N00217.003881
HUNTERS POINT
SSIC NO. 5090.3

POST CONSTRUCTION REPORT
SITE IR-1/21 INDUSTRIAL LANDFILL REMOVAL ACTION
HUNTERS POINT SHIPYARD
SAN FRANCISCO, CALIFORNIA

Contract No. N62474-93-D-2151
Delivery Order No. 0060

Submitted to:

Department of the Navy
Engineering Field Activity, West
Naval Facilities Engineering Command
900 Commodore Drive, Building 208
San Bruno, California 94066-2402

Submitted by:

IT Corporation
4585 Pacheco Boulevard
Martinez, California 94553

VOLUME 2

N00217.003881
HUNTERS POINT
SSIC NO. 5090.3

POST CONSTRUCTION REPORT
SITE IR 1/21 INDUSTRIAL LANDFILL

DATED 1 JULY 1999

THIS RECORD CONTAINS MULTIPLE VOLUMES
WHICH HAVE BEEN ENTERED SEPARATELY

VOLUME I OF II IS ENTERED IN THE DATABASE
AND FILED AT ADMINISTRATIVE RECORD NO.
N00217.003880

Appendix C

Monitoring Wells, Piezometers and Extraction Wells

Appendix C.1

Boring Logs/Monitoring Well, Extraction Well & Piezometer Construction Diagrams

BORING NO. EW-134

COORDINATES: N. 450760.2
E. 1457812.3

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/19/97
CHECKED BY N. Hey — DATE FINISHED 12/22/97
APPROVED BY J. Baur — TOC ELEV. 8.89 ft MSL
TOTAL DEPTH 23 ft. bgs

DEPTH IN FEET	LEVEL SENSORS	PUMP	RECOVERY	WELL CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0				Piezometer; 1" Sch. 40 PVC Casing			SILTY GRAVEL; 10yr4/4, dark yellowish brown, slightly moist. SAND; 10yr8/4, very pale brown, loose, fine grain, grades to 10yr4/1 dark gray sand, moist.
			60%	Sand Tube: 1" Sch. 40 PVC Casing; 3" Pea Gravel			
5				Bentonite/ Cement Grout			
			40%	Bentonite Seal; 6" Sch. 80 PVC Casing	gm/ sp		▽ Groundwater encountered at 9.0'.
10				6" Sch. 80 PVC Screen 0.020" Slots			Wet sand, grades to 10yr5/1, gray.
	LSH		20%				
15				Centralizer			
	LSL		0%	#2/12 Lonestar Sand			18.0'
			80%	5.5' Sediment Trap			CLAY; 10yr3/1, very dark gray, very wet, plastic, no visible shell fragments, "BAY MUD", organic clay.
20			100%		ch		Shell fragments present. 23.0'
25				14"			TOTAL DEPTH 23.0 FEET
30							
35							

DRILLER : G. Nunes
DRILLING CO. : Gregg Drilling & Testing
DRILLING METHOD : 8" and 14" Hollow Stem Auger
SAMPLING METHOD : 5 ft core barrel & 2.5 ft long 2-inch Mod. Cal. Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497

DRAWN BY	T.R.S	CHECKED BY	NH 9.21.98	FILE NAME & DISK NUMBER	HP-EW134 (HP39)
DATE	9/18/98	APPROVED BY	DLB 9/4/98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. EW-138

COORDINATES: N. 450789.6
E. 1457784.6

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/19/97
CHECKED BY N. Hey — DATE FINISHED 12/22/97
APPROVED BY J. Baur — TOC ELEV. 9.48 ft MSL
TOTAL DEPTH 30 ft.

DEPTH IN FEET	LEVEL SENSORS	PUMP	RECOVERY	WELL CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0			80%	Piezometer; 1" Sch. 40 PVC Casing; 3" Pea Gravel	mh		SILT; 10yr3/3 to 4/3, dark to pale brown. 3.0'
5			5%	Sand Tube: 1" Sch. 40 PVC Casing; Bentonite/ Cement Grout; Bentonite Seal	sp		SAND; 10yr8/1, white, fine to very fine, loose, slightly moist, wood and concrete pieces. ▽ Groundwater encountered at 7.0'.
10	LSH		50%	6" Sch. 80 PVC Casing	sp		GRAVELLY SAND; 10yr2/1, black, very dense with 10yr8/1 white gravel, coarse to medium grain sand, wet.
15	LSL		5%	6" Sch. 80 PVC Screen 0.020" Slots; Centralizer	sp		GRAVELLY SAND; 10yr2/1, black, very dense with 10yr8/1 white gravel, coarse to medium grain sand, wet, wood. 20.0'
20			80%		ch		CLAY; 10yr3/1, very dark gray (BAY MUD). 22.0'
			80%	5.5' Sediment Trap	sp		SAND; 10yr3/1, very dark gray, flowing, wet. 24.0'
25			100%	#2/12 Lonestar Sand	ch		CLAY (BAY MUD); 10yr3/1, very dark gray, plastic, organic.
30							TOTAL DEPTH 30.0 FEET
35							

DRILLER : G. Nunes
DRILLING CO. : Gregg Drilling & Testing
DRILLING METHOD : 8" and 14" Hollow Stem Auger
SAMPLING METHOD : 5 ft core barrel/ 2.5 ft, 2 inch dia. Mod. Cal. Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497

DRAWN BY	T.R.S.	CHECKED BY	9.21.98	FILE NAME & DATA NUMBER	HP-EW138 (HP39)

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. EW-146

COORDINATES: N. 450844.1
E. 1457717.5

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/22/97
CHECKED BY N. Hey — DATE FINISHED 12/22/97
APPROVED BY J. Baur — TOC ELEV. 9.86 ft. MSL
TOTAL DEPTH 19 ft.

DEPTH IN FEET	LEVEL SENSORS	PUMP	RECOVERY	WELL CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0			20%	Piezometer; 1" Sch. 40 PVC Casing; 3" Pea Gravel; Sand Tube: 1" Sch. 40 PVC Casing	sm		GRAVELLY SILTY SAND; 5y4/3, reddish brown to 5/6 yellowish red, slightly moist. 5.0'
5			30%	Bentonite/ Cement Grout; Bentonite Seal	cl		CLAY; 10yr4/1, dark gray with 8/1 white, wood, paper, grades siltier. ∇ Groundwater encountered at 7.0'. 8.0'
10	LSH, LSL		10%	6" Sch. 80 PVC Casing	ch		CLAY; 10yr3/1, very dark gray, firm, wet, wood in core barrel. Refusal at 10', drilled with out sampler, returned to sampling at 12'.
			0%	6" Sch. 80 PVC Screen 0.020" Slots			
			80%	Centralizer			
15			80%	5.5' Sediment Trap; #2/12 Lonestar Sand			
20							TOTAL DEPTH 19.0 FEET NOTE: MOVED NORTHWEST DUE TO LOST AUGER IN BOREHOLE. KEYWAY STRIPPED.
25							
30							
35							

DRILLER : G. Nunes
DRILLING CO. : Gregg Drilling & Testing
DRILLING METHOD : 8" and 14" Hollow Stem Auger
SAMPLING METHOD : 5 ft core barrel, 2.5 ft Mod. Cal Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497

DRAWN BY	T.R.S.	CHECKED BY	NL 9.21.98	FILE NAME & DISK NUMBER	HP-EW146 (HP39)
		APPROVED BY	TMR 11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. EW-150

COORDINATES: N. 450873.6
E. 1457687.7

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/22/97
CHECKED BY N. Hey — DATE FINISHED 12/29/97
APPROVED BY J. Baur — TOC ELEV. 9.76 ft MSL
TOTAL DEPTH 22.5 ft.

DEPTH IN FEET	LEVEL SENSORS	PUMP	RECOVERY	WELL CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0	LSH		40%	Piezometer; 1" Sch. 40 PVC Casing; 3" Pea Gravel	mh/sw		GRAVELLY SANDY SILT; 2.5yr5/8 red to 10yr3/3 dark brown, 20% angular gravel, 20% fine grained sand, 60% silt, brick and concrete, grades to 10yr4/3 pale brown, gravelly sand.
5			0%	Sand Tube: 1" Sch. 40 PVC Casing; Bentonite/ Cement Grout; Bentonite Seal			▽ Groundwater encountered at 7.0'. 8.0'
10			5%	6" Sch. 80 PVC Casing	sp		SAND; 10yr3/1 very dark gray, medium grain, loose, wood and glass.
			10%				
15	LSL		0%	6" Sch. 80 PVC Screen 0.020" Slots			Shell fragments. 15.0'
			20%		gw		SILTY GRAVEL; 10yr3/1 very dark gray to 5g4/1 dark greenish gray, coarse sand, angular gravel. 17.5'
20			100%	Centralizer; 5.5' Sediment Trap	ch		CLAY; 5bg4/1 dark greenish gray, firm, shells, wet (BAY MUD), plastic.
			0%	#2/12 Lonestar Sand			
25							TOTAL DEPTH 22.5 FEET
30							
35							

DRILLER : G. Nunes
DRILLING CO. : Gregg Drilling & Testing
DRILLING METHOD : 8" and 14" Hollow Stem Auger
SAMPLING METHOD : 5 ft. core barrel/ 2.5 ft. Mod Cal Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497

DRAWN BY	T.R.S.	CHECKED BY	NZ 9-21-98	FILE NAME & DISK NUMBER	HP-EW150 (HP39)
DATE	9/17/98	APPROVED BY	DJS 11-4-98		

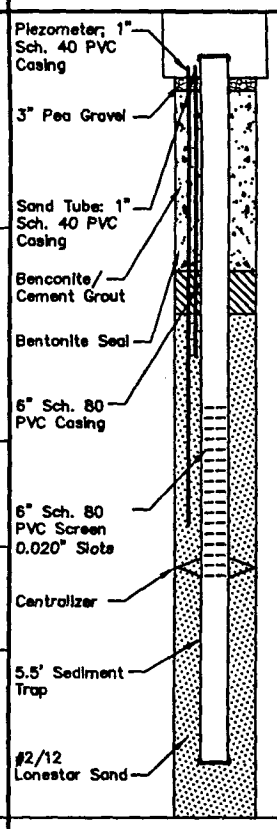
INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. EW-154

COORDINATES: N. 450898.4
E. 1457661.8

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/22/97
CHECKED BY N. Hey — DATE FINISHED 12/22/97
APPROVED BY J. Baur — TOC ELEV. 10.34 ft. MSL
TOTAL DEPTH 19 ft.

DEPTH IN FEET	LEVEL SENSORS	PUMP	RECOVERY	WELL CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0			10%	Piezometer; 1" Sch. 40 PVC Casing; 3" Pea Gravel; Sand Tube: 1" Sch. 40 PVC Casing	mh		SANDY SILT; 10yr8/1 white to 3/1 very dark gray, slightly moist to dry, wood fragments, 5% angular gravel, metal straps, wire. 5.0'
5			60%	Benconite/ Cement Grout; Bentonite Seal; 6" Sch. 80 PVC Casing	cl		SANDY CLAY; 5y4/1 dark gray, firm, sand-clay mix with wood throughout. ∇ Groundwater encountered at 7.0'. 10.0'
10	LSH		20%	6" Sch. 80 PVC Screen 0.020" Slots	sp		SAND; 5y3/2 dark olive gray, loose, fine to medium grain, wood fragments. wet 15.0'
	LSL		60%	Centralizer			
15			100%	5.5' Sediment Trap; #2/12 Lonestar Sand	ch		CLAY; 5y3/2 dark olive green, firm, (BAY MUD), wet.
20							TOTAL DEPTH 19.0 FEET
25							
30							
35							



DRILLER : G. Nunes
DRILLING CO. : Gregg Drilling & Testing
DRILLING METHOD : 8" and 14" Hollow Stem Auger
SAMPLING METHOD : 5 ft core barrel/ 2.5 ft. Mod. Cal. Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497

DRAWN BY	T.R.S.	CHECKED BY	7/7/ 9-21-98	FILE NAME & DISK NUMBER	HP-EW154 (HP39)
DATE	9/16/98	APPROVED BY	DJS 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. EW-158

COORDINATES: N. 450929.2
E. 1457657.6

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/23/97
CHECKED BY N. Hey — DATE FINISHED 12/29/97
APPROVED BY J. Baur — TOC ELEV. 10.52 ft MSL
TOTAL DEPTH 25 ft.

DEPTH IN FEET	LEVEL SENSORS	PUMP	RECOVERY	WELL CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0			25%	Piezometer; 1" Sch. 40 PVC Casing; 3" Pea Gravel	sm		SILTY GRAVELLY SAND; 10yr6/4 light pale brown, dry, wood and paper pieces, 30% angular gravel, 60% very fine sand, 10% silt
			25%				
			25%	Sand Tube: 1" Sch. 40 PVC Casing			Grades to coarser, cardboard.
5				Bentonite/ Cement Grout			6.0'
			50%		sp		SAND; 10yr3/2 very dark grayish brown, fine to medium grained, sand, loose, wet.
							▽ Groundwater encountered at 8'.
				Bentonite Seal			1/4" copper wire in cuttings.
10							Sand grades to coarser, pieces of wood, plastic and wire.
			50%	6" Sch. 80 PVC Casing			
	LSH						SILTY SAND; minor silts with coarse to medium grain sand, loose, wet.
			25%				
15			30%	6" Sch. 80 PVC Screen 0.020" Slots			Wood, 10% silty sand.
	LSL						
			5%				Wood.
20				Centralizer			20.0'
			100%	5.5' Sediment Trap	ch		CLAY; plastic, wet, (BAY MUD), 5bg5/1 greenish gray.
			100%	#2/12 Lonestar Sand			
25							TOTAL DEPTH 25.0 FEET
30							
35							

DRILLER : G. Nunes
DRILLING CO. : Gregg Drilling & Testing
DRILLING METHOD : 8" and 14" Hollow Stem Auger
SAMPLING METHOD : 5 ft core barrel/ 2.5 ft. Mod. Cal. Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497

DRAWN BY	T.R.S.	CHECKED BY	TJL 9.21.98	FILE NAME & DISK NUMBER	HP-EW158 (HP40)
DATE	9/16/98	APPROVED BY	DWB 11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. MW-60-1

COORDINATES: N. 450982.5
E. 1457653.0

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/18/97
CHECKED BY C. Carlton — DATE FINISHED 12/18/97
APPROVED BY J. Baur — SURFACE ELEV. 12.1 feet MSL
TOTAL DEPTH 20 ft. — T.O.C. ELEV. 14.69 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	WELL CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0				Steel Stand up well cover; Concrete Apron			
			1%	Steel Locking Cap; Cement/Bentonite Grout			Gravel Road, Fill, wood debris, asbestos?, fibrous cloth. SILT; 10yr 5/3 brown, coarse gravel wood, cloth, silty debris, wire, metal strapping, shoe parts, paper.
5			0%	4" dia. Sch. 40 PVC Casing	ml		Groundwater encountered at 7.0'.
			0%	Bentonite Seal			
10			0%				
			33%	4" dia. Sch. 40 PVC, 0.020" Slot Screen With Prepacked 2/12 sand			13.0' SILTY SAND; 10yr2/1, loose, wet, medium sand, wood debris.
15			10%	1' Sediment Trap; #2/12 Lonestar Sand	sm/sp		At 17': wood, brick.
					ch		19.0' CLAY; 10yr2/1 plastic, wet. (BAY MUD)
20							TOTAL DEPTH 20.0 FEET
25							
30							
35							

DRILLER : C. St. Pierre
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 8" O.D. Hollow Stem Auger, Reamed to 12" O.D.
SAMPLING METHOD : California Modified Split-spoon Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

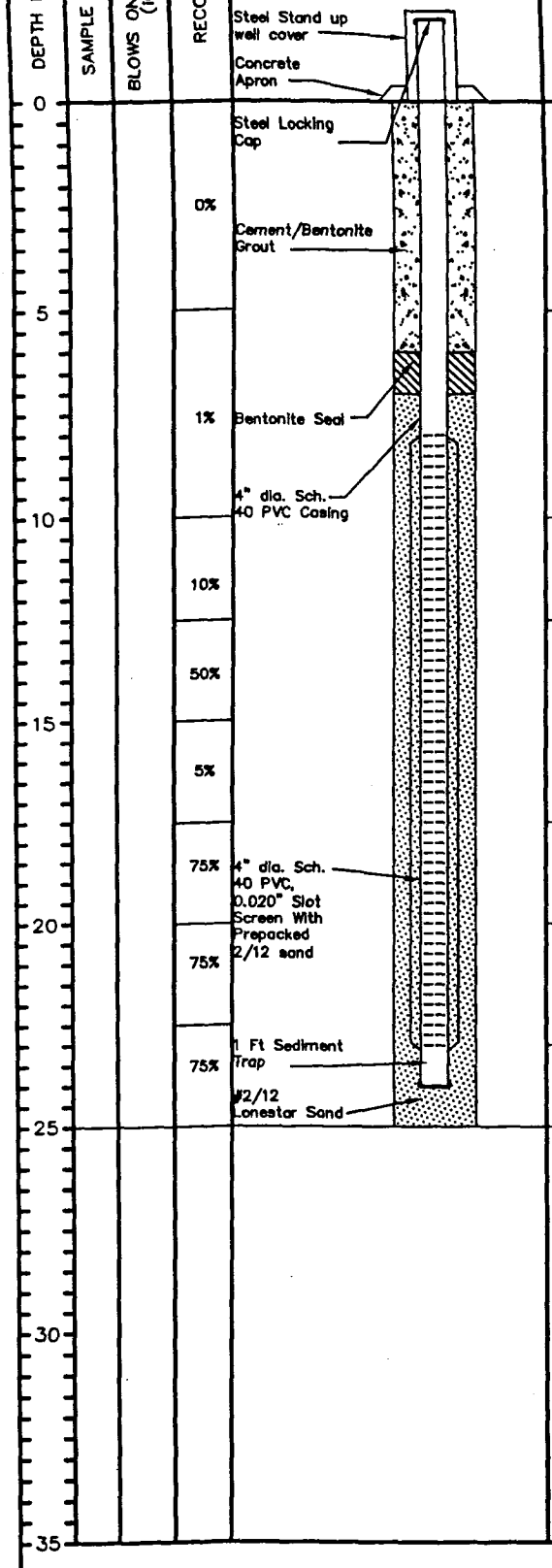
DRAWN BY	T.R.S.	CHECKED BY	9-23-98	FILE NAME & DISK NUMBER	HP-MW601 (HP)
DATE	9/22/98	APPROVED BY	11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. MW-60-2

COORDINATES: N. 450803.9 E. 1457718.4

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/18/97
CHECKED BY C. Carlton — DATE FINISHED 12/18/97
APPROVED BY J. Baur — SURFACE ELEV. 12.2 feet MSL
TOTAL DEPTH 25 ft. — T.O.C. ELEV. 13.59 ft MSL



DEPTH	USCS	DESCRIPTION
0 – 5.0'	fill	FILL: concrete, wood debris.
5.0' – 10.0'	mh	SANDY SILT; 5y2.5/5 black, moist to wet. ▽Groundwater encountered at 9'
10.0' – 12.5'	gm	SILTY GRAVEL (Fill); black, wet, coarse, angular to subangular, wood, glass, insulation (asbestos?).
12.5' – 17.5'	gp	Poorly-graded SANDY GRAVEL; black very moist 80% subangular, medium, gravel, 20% fine subrounded sand. At 15': Poorly-graded sand lense, olive subrounded, very moist.
17.5' – 20.0'	sw	Well-graded GRAVELLY SAND; 5y4/3 olive, wet, subrounded, medium to fine sand, 10% angular gravel, 5% shell fragments, 5% silt.
20.0' – 23.0'	sp	Poorly-graded SAND; 5y4/3 olive, wet, fine to medium sand, 10% gravel, 5% shells, 5% silt.
23.0' – 25.0'	gp	Poorly-graded SANDY GRAVEL; dark gray to black, wet, angular to subangular.

TOTAL DEPTH 25.0 FEET

DRILLER : C. St. Pierre
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 8" Hollow Stem Auger, Reamed to 12"O.D.
SAMPLING METHOD : California Modified Split-spoon sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9.23.98	FILE NAME & DISK NUMBER	HP-MW602 (HP)
DATE	9/22/98	APPROVED BY	11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. MW-60-3

COORDINATES: N. 450550.9
E. 1457835.4

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/18/97
CHECKED BY C. Carlton — DATE FINISHED 12/18/97
APPROVED BY J. Baur — SURFACE ELEV. 8.1 feet MSL
TOTAL DEPTH 8.5 ft. — T.O.C. ELEV. 10.0 ft. MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	WELL CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0			50%	Steel Stand up well cover; Concrete apron; Steel Locking Cap; Cement/Bentonite Grout; Bentonite Seal			Poorly-graded SAND; 10yr 7/8 yellow, slightly moist to moist 90% medium sand, 10% silt and clay. 2.5'
5			28%	4" dia. Sch. 40 PVC Casing; 4" dia. Sch. 40 PVC, 0.020" Slot Screen	sp/sw		Well-graded SAND; Very dark-grayish brown. At 5': Poorly-graded sand bed, black, medium sand.
			25%	1' Sediment Trap			▽ Groundwater encountered at 5.5'. At 6': Oily material 6.5'
			100%	#2/12 Lonestar Sand; Bentonite Backfill	ch		CLAY; gray, moist, 90% clay, 5% grass roots, 5% shell fragments. (BAY MUD)
10, 15, 20, 25, 30, 35							TOTAL DEPTH 8.5 FEET

DRILLER : C. St. Pierre
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 8" Hollow Stem Auger, Reamed to 12" O.D.
SAMPLING METHOD : California Modified Split- Spoon Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9.23.98	FILE NAME & DISK NUMBER	HP-MW603 (HP)
DATE	9/22/98	APPROVED BY	DWB 11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. MW-60-4

COORDINATES: N. 450407.7
E. 1457923.5

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/18/97
CHECKED BY C. Carlton — DATE FINISHED 12/18/97
APPROVED BY J. Baur — SURFACE ELEV. 7.5 feet MSL
TOTAL DEPTH 10 ft. — T.O.C. ELEV. 9.38 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	WELL CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0			100%	Steel Stand up well cover; Concrete Apron; Steel Locking Cap; Cement/Bentonite Grout	sp		Poorly-graded SAND; 10yr5/8 yellowish, brown, 90% medium sand, 10% silt.
			0%	Bentonite Seal; 4" dia. Sch. 40 PVC Casing			▼ Groundwater encountered at 3.0'. At 4': 10r3/3 dusky, red.
5			100%	4" dia. Sch. 40 PVC, 0.020" continuous Slot Screen; 1' Sediment Trap; #2/12 Lonestar Sand; Bentonite Backfill	ch		5.0' CLAY; 10yr5/1 gray, firm (BAY MUD).
10							TOTAL DEPTH 10.0 FEET
15							
20							
25							
30							
35							

DRILLER : C. St. Pierre
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 8" Hollow Stem Auger, reamed to 12"O.D.
SAMPLING METHOD : Calif. Mod. Split-spoon Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9.23.98	FILE NAME & DISK NUMBER	HP-MW604 (HP)
DATE	9/22/98	APPROVED BY	DWB 11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-93D

COORDINATES: N. 450356.1
E. 1457920.1

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/29/97
CHECKED BY C. Carlton — DATE FINISHED 12/29/97
APPROVED BY J. Baur — SURFACE ELEV. 7.0 feet MSL
TOTAL DEPTH 6 ft. — T.O.C. ELEV. 10.37 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0			100%	Steel Stand up well cover; Concrete Apron; Steel Locking Cap	sp		Poorly-graded SAND; 10yr5/3 to 10yr3/4 brown to dark yellowish brown, loose, slightly moist, 10% silt.
			25%	1.25" dia. 304SS Casing			At 3': Wet with fill rock and concrete
			25%	1.25" dia. 304SS 0.010 continuous slot Screen			∇ Groundwater encountered at 4.0'
5					ch		CLAY; gray to dark gray, plastic, BAY MUD. (5.0')
6							TOTAL DEPTH 6.0 FEET
10							
15							
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	7/2 9-23-98	FILE NAME & DISK NUMBER	HP-PZ93D (HP41)
DATE	9/22/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-100B

COORDINATES: N. 450420.6
E. 1457875.0

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/29/97
CHECKED BY C. Carlton — DATE FINISHED 12/29/97
APPROVED BY J. Baur — SURFACE ELEV. 7.4 ft MSL
TOTAL DEPTH 6 ft. — T.O.C. ELEV. 9.87 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0			10%	Steel Stand up well cover; Concrete Apron; Steel Locking Cap			Poorly-graded SAND; 10yr4/1 loose, moist.
			50%	1.25" dia. 304SS Casing	sp		
			100%	1.25" dia. 304SS 0.010" continuous slot Screen			At 4': dark brown to brown.
5			1%		ch		CLAY; gray, wet, plastic. BAY MUD (5.0')
							TOTAL DEPTH 6.0 FEET
10							
15							
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	TRL 9-23-98	FILE NAME & DISK NUMBER	HPPZ100B (HP41)
DATE	9/22/98	APPROVED BY	DWB 11-4-98		

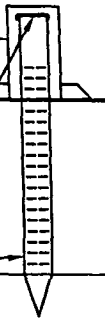
INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-100E

COORDINATES: N. 450430.5
E. 1457938.4

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/29/97
CHECKED BY C. Carlton — DATE FINISHED 12/29/97
APPROVED BY J. Baur — SURFACE ELEV. 8.3 feet MSL
TOTAL DEPTH 4 ft. — T.O.C. ELEV. 11.59 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0			100%	Steel Stand up well cover; Concrete Apron; Steel Locking Cap	sp		Poorly-graded SAND; 10yr4/1, wood.
			100%	1.25" dia. 304SS 0.010" continuous slot Screen	ch		CLAY; 5g4/1 dark gray to gray, plastic, wet. BAY MUD (3.5')
5							TOTAL DEPTH 4.0 FEET
10							
15							
20							
25							
30							
35							



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9-23-98	FILE NAME & DISK NUMBER	HPPZ100E (HP41)
DATE	9/22/98	APPROVED BY	11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-107C

COORDINATES: N. 450492.9
E. 1457885.2

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 6 ft.

DATE BEGAN 12/29/97
DATE FINISHED 12/29/97
SURFACE ELEV. 7.0 feet MSL
T.O.C. ELEV. 9.90 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0			100%	Steel Stand up well cover; Concrete Apron; Steel Locking Cap	sp		Poorly-graded SAND; black to brown 10yr5/3. 1.0'
					ml		SILT 2.0'
			100%	1.25" dia. 304SS Casing	sp		Poorly-graded SAND; grades to dark gray. ▽Groundwater encountered at 3.0'.
5			0%	1.25" dia. 304SS 0.010 continuous slot Screen			At 6': BAY MUD
10							TOTAL DEPTH 6.0 FEET
15							NOTE: PRODUCT (DIESEL) IN HOLE.
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9-23-98	FILE NAME & DISK NUMBER	HPPZ107C (HP41)
		APPROVED BY	11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-107D

COORDINATES: N. 450495.4
E. 1457900.0

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/29/97
CHECKED BY C. Carlton — DATE FINISHED 12/29/97
APPROVED BY J. Baur — SURFACE ELEV. 7.3 feet MSL
TOTAL DEPTH 6.5 ft. — T.O.C. SIZE 10.24 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0			100%	Steel Stand up well cover; Concrete Apron; Steel Locking Cap	sp		Poorly-graded SAND; black to yellowish brown 10yr5/6, 30% concrete, 70% fine black sand. 2.0'
			90%	1.25" dia. 304SS Casing	sc		CLAYEY SAND; 5/1 gray. ▽Wet. 5.0'
5			90%	1.25" dia. 304SS 0.010" continuous slot Screen	ch		CLAY; plastic, wet. BAY MUD
							TOTAL DEPTH 6.5 FEET
10							
15							
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9.23.98	FILE NAME & DISK NUMBER	HPPZ107D (HP41)
DATE	9/22/98	APPROVED BY	DWB 11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

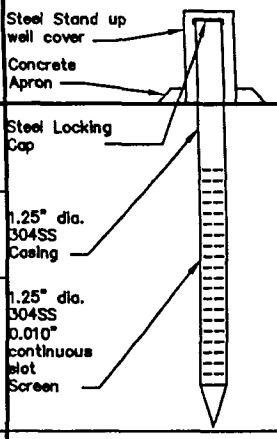
BORING NO.PZ-107E

COORDINATES: N. 450498.0
E. 1457924.0

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 7.6 ft.

DATE BEGAN 12/29/97
DATE FINISHED 12/29/97
SURFACE ELEV. 8.3 feet MSL
T.O.C. ELEV. 10.79 ft MSL

PIEZOMETER CONSTRUCTION DETAILS



DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0			90%	sp		Poorly-graded SAND; 10yr4/2 dark grayish brown, loose, moist. 2.0'
			–	sm		SILTY SAND/SANDY SILT. Medium dense 4.0'
5			–	sc		CLAYEY SAND; gray, medium dense. ▼ Groundwater encountered at 6.5'. 7.0'
				ch		CLAY; gray, firm. BAY MUD
10						TOTAL DEPTH 7.6 FEET
15						
20						
25						
30						
35						

PAGE 1 OF 1

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	MZ 9.23.98	FILE NAME & DISK NUMBER	HPPZ107E (HP41)
DATE	9/22/98	APPROVED BY	DWR 11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

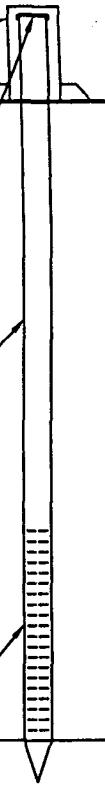
BORING NO.PZ-107F

COORDINATES: N. 450512.9
E. 1458023.2

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 15 ft.

DATE BEGAN 1/5/98
DATE FINISHED 1/5/98
SURFACE ELEV. 8.4 feet MSL
T.O.C. ELEV. 11.59 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0			80%	Steel Stand up well cover; Concrete Apron; Steel Locking Cap	sm		SILTY SAND; brown to blue, greenish gray, slightly moist, 20% rock fragments 20% Silt, 60% Sand. 5.0'
5			20%	1.25" dia 304SS Casing	sc		CLAYEY SAND; blue gray. Groundwater encountered at 8.0'.
10			50%				At 9': soft, wet.
			30%	1.25" dia. 304SS 0.010" continuous slot Screen			
15							TOTAL DEPTH 15.0 FEET
20							
25							
30							
35							



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	TTB 9.23.98	FILE NAME & DISK NUMBER	HPPZ107F (HP41)
DATE	9/22/98	APPROVED BY	DWB 11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-114D

COORDINATES: N. 450563.8
E. 1457889.7

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 12/29/97
CHECKED BY C. Carlton — DATE FINISHED 12/29/97
APPROVED BY J. Baur — SURFACE ELEV. 7.3 feet MSL
TOTAL DEPTH 8 ft. — T.O.C. ELEV. 10.38 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE		
0			100%	Steel Stand up well cover; Concrete Apron; Steel Locking Cap	sp		Poorly-graded SAND.	1.0'
					ml		SILT.	2.0'
			100%	1.25" dia. 304SS Casing	sp		Poorly-graded SAND; product 12 ppm.	3.0'
					gw		GRAVEL; Serpentine Rock fragments.	4.0'
5			20%	1.25" dia. 304SS 0.010" continuous slot Screen	sp		Poorly-graded SAND.	7.0'
			100%		cl		CLAY; gray, soft. BAY MUD	
							TOTAL DEPTH 8.0 FEET	

10, 15, 20, 25, 30, 35

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	10-12-98	FILE NAME & DISK NUMBER	HPPZ114D (HP41)
DATE	9/22/98	APPROVED BY	11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-121A

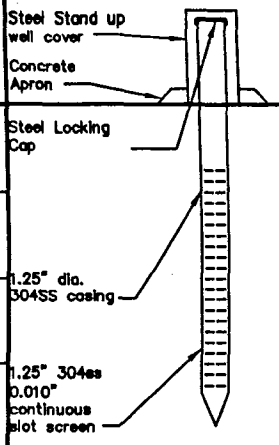
COORDINATES: N. 450625.0
E. 1457824.4

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 8 ft.

DATE BEGAN 12/29/97
DATE FINISHED 12/29/97
SURFACE ELEV. 8.9 feet MSL
T.O.C. ELEV. 11.17 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0			100%	sm		SILTY SAND with GRAVEL. 1.0'
				ml		SILT. 2.0'
			50%	sm		SILTY SAND; wood. ▼ Groundwater encountered at 4.0'. 5.0'
5			0%	sp		Poorly-graded SAND; flowing. 6.5'
			10%	ch		CLAY; 10yr4/1 dark gray, plastic, shell fragments.
10						TOTAL DEPTH 8.0 FEET
15						
20						
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9.23.98	FILE NAME & DISK NUMBER	HPPZ121A (HP42)
DATE	9/22/98	APPROVED BY	DWB 11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-121B

COORDINATES: N. 450628.4
E. 1457844.5

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 6 ft.

DATE BEGAN 12/29/97
DATE FINISHED 12/29/97
SURFACE ELEV. 9.0 feet MSL
T.O.C. ELEV. 11.62 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0			100%	Steel Stand up well cover; Concrete Apron; Steel Locking Cap	cl/ ml		SANDY CLAY and SILT; brown to black. 3.0'
			100%	1.25" dia. 304SS Casing	cl		CLAY; firm, slightly moist. 3.5'
5				1.25" dia. 304SS 0.010" continuous slot Screen	sp		Poorly-graded SAND, black, fine sand, moist to wet. 5.5'
					ch		CLAY; firm, slightly moist, plastic, BAY MUD.
							TOTAL DEPTH 6.0 FEET

10 15 20 25 30 35

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9.23.98	FILE NAME & DISK NUMBER	HPPZ121B (HP42)
DATE	9/23/98	APPROVED BY	11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-121C

COORDINATES: N. 450635.4
E. 1457863.8

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 8 ft.

DATE BEGAN 1/5/98
DATE FINISHED 1/5/98
SURFACE ELEV. 9.7 feet MSL
T.O.C. ELEV. 12.63 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0				Steel Stand up well cover; Concrete Apron			
			80%	Steel Locking Cap; 1.25" dia. 304SS Casing	sp		Poorly-graded SAND; mostly brown, 5% silt, fine sand, 5% rock fragments.
5			80%	1.25" dia. 304SS 0.010" continuous slot Screen			▽ Groundwater encountered at 5.0'.
					ch		6.0' CLAY; green firm, BAY MUD
							8.0' TOTAL DEPTH 8.0 FEET
10							
15							
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	TJB 9-23-98	FILE NAME & DISK NUMBER	HPPZ121C (HP42)
DATE	9/23/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-121D

COORDINATES: N/A
N/A

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/5/98
CHECKED BY C. Carlton — DATE FINISHED 1/5/98
APPROVED BY J. Baur — SURFACE ELEV. N/A
TOTAL DEPTH 4 ft.

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	DRILLING REMARKS	USCS	PROFILE	
0			80%	No Piezometer Installed	ml		SANDY SILT; brown, dry to slightly moist, rock fragments. 3.0'
					ch		CLAY.
5							TOTAL DEPTH 4.0 FEET TOO SHALLOW; NO PIEZOMETER
10							
15							
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9/26 9.23.98	FILE NAME & DISK NUMBER	HPPZ121D (HP42)
DATE	9/23/98	APPROVED BY	DWB 11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-121E

COORDINATES: N. 450631.5
E. 1457900.3

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/5/98
CHECKED BY C. Carlton — DATE FINISHED 1/5/98
APPROVED BY J. Baur — SURFACE ELEV. 9.4 feet MSL
TOTAL DEPTH 10 ft. — T.O.C. ELEV. 11.69 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0				Steel Stand up well cover; Concrete Apron	sp		Poorly-graded SAND; brown, loose, moist, changes to gray with 30% clay. 0.5'
			75%	Steel Locking Cap			SANDY CLAY/CLAYEY SAND.
5			80%	1.25" dia. 304SS Casing	sc		8.0'
				1.25" dia. 304SS 0.010" continuous slot Screen	ch		CLAY; gray, plastic. BAY MUD
10							TOTAL DEPTH 10.0 FEET
15							
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9-23-98	FILE NAME & DISK NUMBER	HPPZ121E (HP42)
DATE	9/23/98	APPROVED BY	11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-121F

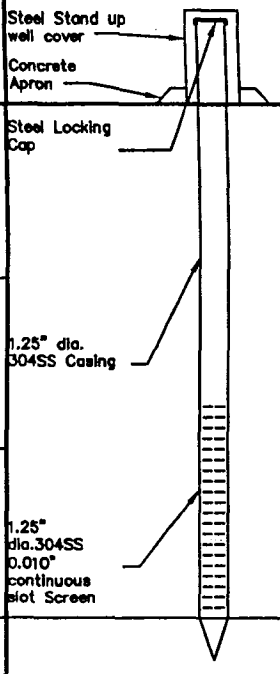
COORDINATES: N. 450651.3
E. 1458003.1

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 12 ft.

DATE BEGAN 1/5/98
DATE FINISHED 1/5/98
SURFACE ELEV. 10.0 feet MSL
T.O.C. ELEV. 13.60 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	DESCRIPTION
0			80%	gc		CLAYEY GRAVEL/GRAVELLY CLAY/SANDY CLAY; slightly moist, firm, 3%-6 % angular gravel. 3.0'
5			40%	sc		SANDY CLAY/CLAYEY SAND; fine to medium sand. Groundwater encountered at 8.0'. 10.0'
10				sp		Poorly-graded SAND; dark gray, wet, medium sand. 11.0'
				ch		SANDY CLAY; wet, soft, light gray.
						TOTAL DEPTH 12.0 FEET
15						
20						
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9.23.98	FILE NAME & DISK NUMBER	HPPZ121F (HP42)
DATE	9/23/98	APPROVED BY	DWB 11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-131A

COORDINATES: N. 450724.0
E. 1457803.6

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 18 ft.

DATE BEGAN 1/5/98
DATE FINISHED 1/5/98
SURFACE ELEV. 10.3 feet MSL
T.O.C. ELEV. 13.22 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0				Steel Stand up well cover; Concrete Apron; Steel Locking Cap			SILT/GRAVELLY SILT; grayish brown, brick pieces.
			50%				
					ml		At 4': SANDY SILT; brown to blue green.
5			50%				At 6.0': Oily material (18 ppm and rising).
				1.25" dia. 304SS Casing			
			50%				10.0'
10							SILTY SAND; black, loose, medium sand, very oily.
					sm		
			40%	1.25" dia. 304SS 0.010" continuous slot Screen			
15							16.0'
					ch		CLAY; blue green. BAY MUD
20							TOTAL DEPTH 18.0 FEET
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9-23-98	FILE NAME & DISK NUMBER	HPPZ131A (HP43)
DATE	9/23/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-131D

COORDINATES: N. 450710.3
E. 1457821.2

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 12 ft.

DATE BEGAN 1/5/98
DATE FINISHED 1/5/98
SURFACE ELEV. 9.0 feet MSL
T.O.C. ELEV. 12.06 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0			80%	Steel Stand up well cover; Concrete Apron; Steel Locking Cap	sm		SAND/SILTY SAND; brown to dark gray, loose to medium dense, slightly moist to moist. At 3.0' to 3.25': Dark gray, oily in appearance. 4.0'
5			10%	1.25" dia. 304SS Casing	sp		Poorly-graded SAND; very dark gray, very oily. 10.0'
10			0%	1.25" dia. 304SS 0.010" continuous slot Screen	cl		SANDY CLAY; blue green, soft, wet. 11.0'
					ch		CLAY; blue green, soft, wet, BAY MUD.
							TOTAL DEPTH 12.0 FEET
15							
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9.23.98	FILE NAME & DISK NUMBER	HPPZ131D (HP43)
DATE	9/23/98	APPROVED BY	DWB 11.6.98		

INTERNATIONAL TECHNOLOGY CORPORATION

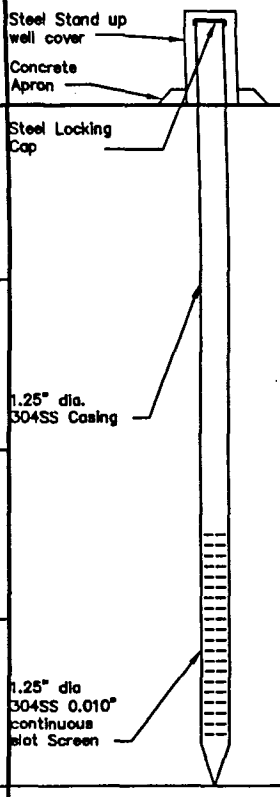
BORING NO. PZ-131E

COORDINATES: N. 450730.6
E. 1457857.3

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/5/98
CHECKED BY C. Carlton — DATE FINISHED 1/5/98
APPROVED BY J. Baur — SURFACE ELEV. 10.9 feet MSL
TOTAL DEPTH 16 ft. — T.O.C. ELEV. 14.13 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0				cl		CLAY; very moist, rock and wood. 1.0'
			60%	sp		Poorly-graded SAND; white to reddish brown, loose, fine sand, slightly moist, bolt in end of core shoe.
5			80%			Grades to gray, wet.
			20%			Grades to medium sand, wet.
10			50%			15.0'
15				ch		CLAY; greenish gray, plastic, soft, wet. BAY MUD
						TOTAL DEPTH 16.0 FEET
20						
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



PAGE 1 OF 1

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	NB 9-23-98	FILE NAME & DISK NUMBER	HPPZ131E (HP43)
DATE	9/23/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

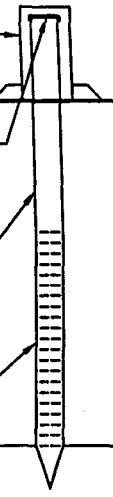
BORING NO. PZ-131F

COORDINATES: N. 450778.1
E. 1457961.8

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 8 ft.

DATE BEGAN 1/5/98
DATE FINISHED 1/5/98
SURFACE ELEV. 10.9 feet MSL
T.O.C. ELEV. 13.50 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0				Steel Stand up well cover; Concrete Apron	gm		SILTY GRAVEL; moist. 0.5'
			90%	Steel Locking Cap	sp		Poorly-graded SAND; yellowish brown, loose, fine sand, pieces of serpentine rock. 6.0'
5			50%	1.25" dia. 304SS Casing; 1.25" dia. 304SS 0.010" continuous slot Screen	gm		SILTY GRAVEL; dense, wet. Dry, hard, serpentine rock.
							TOTAL DEPTH 8.0 FEET
10							
15							
20							
25							
30							
35							



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9-23-98	FILE NAME & DISK NUMBER	HPPZ131F (HP43)
DATE	9/23/98	APPROVED BY	DWB 11-9-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-138A

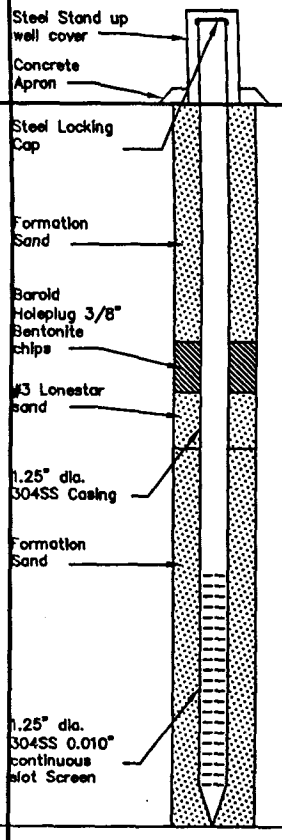
COORDINATES: N. 450775.2
E. 1457759.2

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 17 ft.

DATE BEGAN 1/5/98
DATE FINISHED 1/5/98
SURFACE ELEV. 10.5 feet MSL
T.O.C. ELEV. 13.59 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0				sm		SILTY SAND with GRAVEL; brown to gray.
5				sp		Poorly-graded SAND; brown to yellowish brown, fine sand. (5.0')
				sc		CLAYEY SAND; light gray, very fine sand. (7.0')
10						
15						Black sand on bottom of auger.
20						TOTAL DEPTH 17.0 FEET
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 6.25" O.D. Hollow-Stem Auger
SAMPLING METHOD :
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	TK 10-12-98	FILE NAME & DISK NUMBER	HPPZ138A (HP43)
DATE	9/28/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

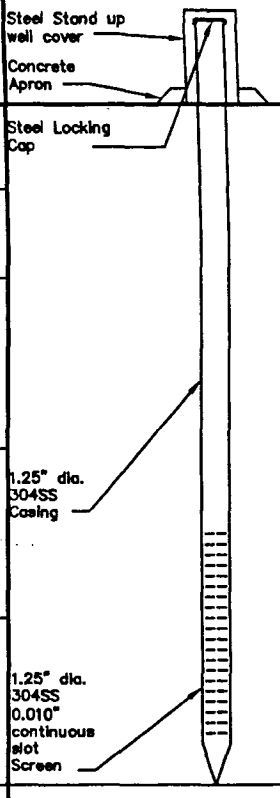
BORING NO.PZ-138B

COORDINATES: N. 450785.8
E. 1457780.8

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/26/98
CHECKED BY C. Carlton — DATE FINISHED 1/26/98
APPROVED BY J. Baur — SURFACE ELEV. 11.2 feet MSL
TOTAL DEPTH 16 ft. — T.O.C. ELEV. 14.04 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0				cl		CLAY; dark grayish brown. 3.0'
			50%	sp		Poorly-graded SAND; yellow, loose, fine sand, cloth pieces. 6.0'
5			50%	cl		SANDY CLAY; dark gray, hard, slightly moist. 9.0'
10			75%	sc		CLAYEY SAND; dark gray, dense, medium sand. At 12': CLAYEY SAND with GRAVEL.
15						TOTAL DEPTH 16.0 FEET
20						
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9-23-98	FILE NAME & DISK NUMBER	HPPZ138B (HP43)
DATE	9/23/98	APPROVED BY	11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-138C

COORDINATES: N. 450797.8
E. 1457791.1

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 16 ft.

DATE BEGAN 1/26/98
DATE FINISHED 1/26/98
SURFACE ELEV. 11.1 feet MSL
T.O.C. ELEV. 14.35 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0				Steel Stand up well cover; Concrete Apron; Steel Locking Cap			
			50%		cl		GRAVELLY CLAY; reddish brown, slightly moist.
5			50%				6.0
					sp		Poorly-graded SAND; dark gray, loose, wet, fine to medium sand.
							8.0'
			75%	1.25" dia. 304SS Casing	sm		SILTY SAND; gray to dark gray, fine to medium sand, 2" piece of concrete.
10							
			80%	1.25" dia. 304SS 0.010" continuous slot Screen			
15							15.0'
					ch		CLAY; gray, moist, plastic, BAY MUD.
							TOTAL DEPTH 16.0 FEET
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9-23-98	FILE NAME & DISK NUMBER	HPPZ138C (HP44)
DATE	9/23/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

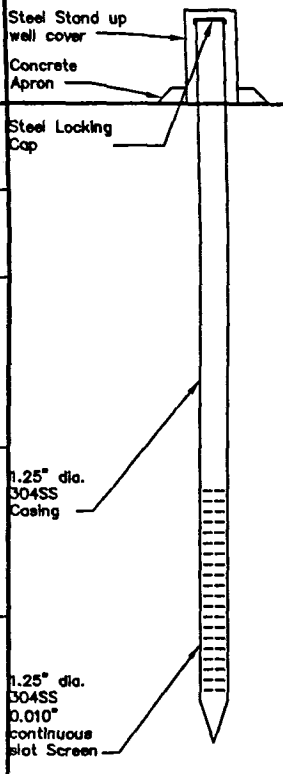
BORING NO.PZ-138D

COORDINATES: N. 450812.7
E. 1457806.2

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/26/98
CHECKED BY C. Carlton — DATE FINISHED 1/26/98
APPROVED BY J. Baur — SURFACE ELEV. 11.9 feet MSL
TOTAL DEPTH 16 ft. — T.O.C. ELEV. 14.77 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0				gc		CLAYEY GRAVEL; very moist, loose.
			50%			
5			90%			6.0'
				sm		SILTY SAND; brown, slightly moist to wet, fine to medium sand. ▽ Groundwater encountered at 7.0'.
			50%			9.0'
10				sp		Poorly-graded SAND; black, wet fine sand.
			100%			14.5'
15				ch		CLAY; gray, plastic, very moist.
						TOTAL DEPTH 16.0 FEET
20						
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	7/2 10·12·98	FILE NAME & DISK NUMBER	HPPZ138D (HP44)
DATE	9/23/98	APPROVED BY	DWB 11·4·98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-138E

COORDINATES: N. 450828.1
E. 1457821.4

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/26/98
CHECKED BY C. Carlton — DATE FINISHED 1/26/98
APPROVED BY J. Baur — SURFACE ELEV. 11.6 ft MSL
TOTAL DEPTH 13 ft. — T.O.C. ELEV. 14.39 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0				Steel Stand up well cover; Concrete Apron; Steel Locking Cap			CLAYEY GRAVEL; very moist, medium dense. (Auger first 2 feet)
			50%		gc		
5			50%	1.25" dia. 304SS Casing			6.0'
					sp		Poorly-graded SAND; loose, wet, coarse to medium sand. ∇ Groundwater encountered at 7.0'. Wood. 8.0'
10			90%	1.25" dia. 304SS 0.010" continuous slot Screen	sm		SILTY SAND; wet, loose, medium to fine sand. Obstruction at 12' (wood).
15							TOTAL DEPTH 13.0 FEET
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9-23-98	FILE NAME & DISK NUMBER	HPPZ138E (HP44)
DATE	9/23/98	APPROVED BY	11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-138F

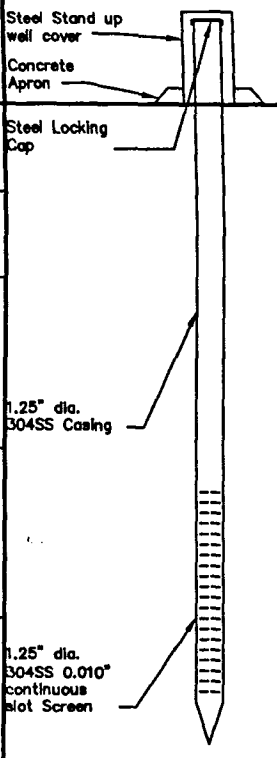
COORDINATES: N. 450889.0
E. 1457884.8

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 16 ft.

DATE BEGAN 1/26/98
DATE FINISHED 1/26/98
SURFACE ELEV. 13.4 feet MSL
T.O.C. ELEV. 15.76 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0						CLAYEY GRAVEL; dark gray to dark brown, slightly moist clay, hard drilling. (Auger first 2 feet)
			50%	gc		
5			100%			
						Wood. 8.0'
				cl		CLAY; dark brown, stiff. 10.0'
10			90%			
				sp		Poorly-graded SAND; dark gray, wet, medium sand, shell fragments. 14.0'
			100%	ch		CLAY; plastic, wet, BAY MUD.
15						
20						TOTAL DEPTH 16.0 FEET
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9.23.98	FILE NAME & DISK NUMBER	HPPZ138F (HP44)
DATE	9/23/98	APPROVED BY	11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-144C

COORDINATES: N. 450833.5
E. 1457745.5

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/30/98
CHECKED BY C. Carlton — DATE FINISHED 1/30/98
APPROVED BY J. Baur — SURFACE ELEV. 11.7 ft MSL
TOTAL DEPTH 17 ft. — T.O.C. ELEV. 14.75 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0				Steel Stand up well cover; Concrete Apron; Steel Locking Cap; Formation Sand	gm		SILTY GRAVEL with SAND; light brown, with sand. (3.0')
5			100%	Baroid Holeplug 3/8" Bentonite chips; 1.25" dia. 304SS Casing; #3 Lonestar Sand	sm		SILTY SAND; medium dense, fine to medium grain, minor gravel, wood, debris.
10			90%	Formation Sand; 1.25" dia. 304SS 0.010" continuous slot Screen			Wood pieces, sand, black, loose, fine to medium sand. (15.0')
15					ch		CLAY; wet, plastic, BAY MUD.
20							TOTAL DEPTH 17.0 FEET
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 6.25" O.D. Hollow-Stem Augar
SAMPLING METHOD : California Modified Split-Spoon Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	10-12-98	FILE NAME & DISK NUMBER	HPPZ144C (HP44)
DATE	9/28/98	APPROVED BY	11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

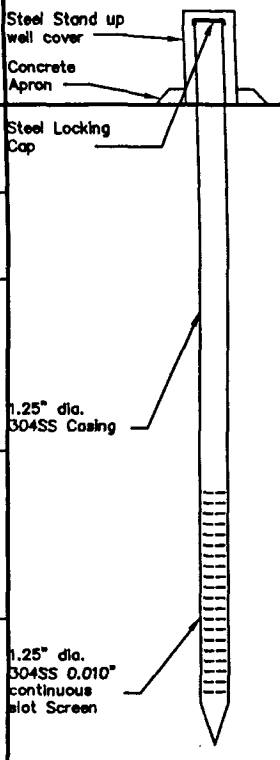
BORING NO.PZ-144E

COORDINATES: N. 450864.1
E. 1457768.5

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/26/98
CHECKED BY C. Carlton — DATE FINISHED 1/26/98
APPROVED BY J. Baur — SURFACE ELEV. 12.4 ft MSL
TOTAL DEPTH 16 ft. — T.O.C. ELEV. 15.08 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0				cl		CLAY; very dark gray, moist, firm, concrete. 4.0'
			50%			
5			50%	sc		CLAYEY SAND; dense, wood (1.5" thick).
			25%			At 10': Wood.
10						
			0%			14.0'
15				ch		CLAY; gray, soft, wet, BAY MUD.
						TOTAL DEPTH 16.0 FEET
20						
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : Geoprobe/ Direct Push
SAMPLING METHOD : 4 ft MACRO Core Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	10-12-98	FILE NAME & DISK NUMBER	HPPZ144E (HP44)
DATE	9/28/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

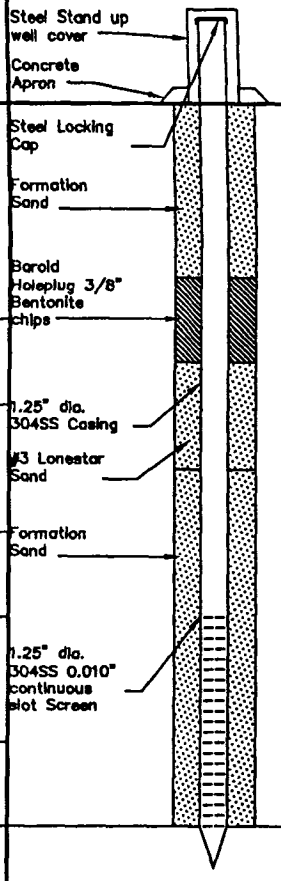
BORING NO.PZ-150A

COORDINATES: N. 450860.5
E. 1457671.8

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/30/98
CHECKED BY C. Carlton — DATE FINISHED 1/30/98
APPROVED BY J. Baur — SURFACE ELEV. 11.8 feet MSL
TOTAL DEPTH 17 ft. — T.O.C. ELEV. 15.51 feet MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0				gw		Well-graded SANDY GRAVEL; light brown to gray. 4.0'
5			33%	sp		Poorly-graded SAND to SILTY SAND; yellow to gray, slightly moist, loose, medium to fine sand, minor gravel. 10.0'
10			90%	sw		Well-graded SAND; black to brown, very fine to coarse sand, wood and brick pieces. At 15': Gray to black.
15						
20						TOTAL DEPTH 17.0 FEET
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 6.25" O.D. Hollow-Stem Auger
SAMPLING METHOD : California Modified Split-Spoon Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	10-12-98	FILE NAME & DISK NUMBER	HPPZ150A (HP45)
DATE	9/28/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-150B

COORDINATES: N. 450867.2
E. 1457681.5

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 17 ft.

DATE BEGAN 1/30/98
DATE FINISHED 1/30/98
SURFACE ELEV. 11.1 feet MSL
T.O.C. ELEV. 14.67 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0				Steel Stand up well cover; Concrete Apron; Steel Locking Cap; Formation Sand			SILTY SAND; brown, wood debris.
			50%	Bariod Holeplug 3/8" Bentonite chips	sm		At 4'; Loose, shell fragments, very wet.
5							▽ Groundwater encountered at 5.0'.
				1.25" dia. 304SS Casing; #3 Lonestar Sand; Formation Sand			At 7'; Metal debris, wire.
							At 9'; Olive brown, sandy silt bed, soft, brick.
10			90%				10.0' Poorly-graded SAND; black, dense, wet, medium sand, gravel.
				1.25" dia. 304SS 0.010" continuous slot Screen	sp		
15			50%				At 15'; Silty sandy clay bed, dark gray with bright yellow flecks.
							TOTAL DEPTH 17.0 FEET
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 6.25" O.D. Hollow-Stem Auger
SAMPLING METHOD : California Modified Split-Spoon Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	TRL 10-12-98	FILE NAME & DISK NUMBER	HPPZ150B(HP45)
DATE	9/28/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

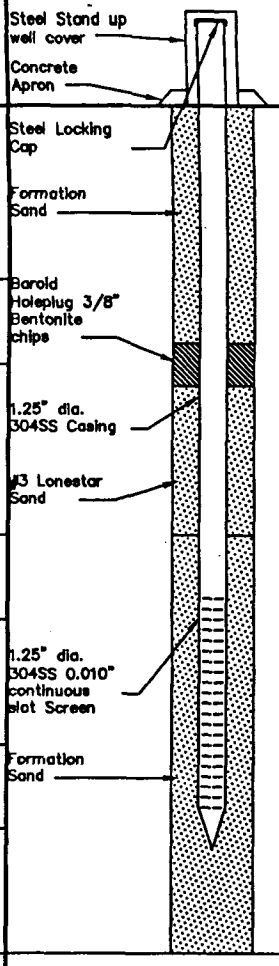
BORING NO.PZ-150C

COORDINATES: N. 450881.5
E. 1457685.7

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/26/98
CHECKED BY C. Carlton — DATE FINISHED 1/26/98
APPROVED BY J. Baur — SURFACE ELEV. 11.3 feet MSL
TOTAL DEPTH 20 ft. — T.O.C. ELEV. 14.83 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	DESCRIPTION
0				sm		SAND with SILT; light brown to reddish brown At 2': SILTY SAND, dark gray, wood and rubber
5.0'			0%	gw		Well-graded SANDY GRAVEL ; green, dense, very moist, serpentine.
10.0'			25%	sw		Well-graded SAND; yellow to dark gray, loose, wet, fine to coarse sand.
16.0'				ch		BAY MUD.
20						TOTAL DEPTH 20.0 FEET

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 6.25" O.D. Hollow-stem Augar
SAMPLING METHOD : California Modified Split-Spoon Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	TAL 10·12·98	FILE NAME & DISK NUMBER	HPPZ150C(HP45)
DATE	9/28/98	APPROVED BY	DWB 11·4·98		

INTERNATIONAL TECHNOLOGY CORPORATION

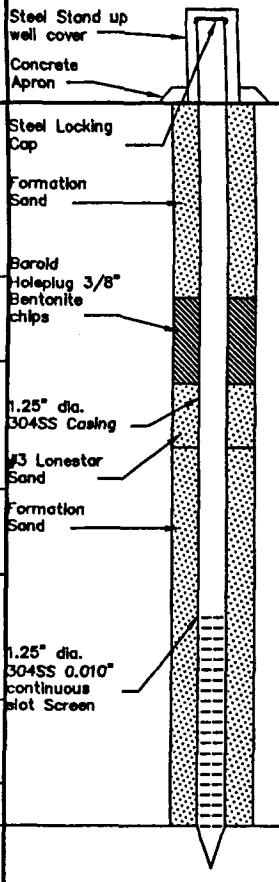
BORING NO.PZ-150D

COORDINATES: N. 450890.5
E. 1457707.3

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/26/98
CHECKED BY C. Carlton — DATE FINISHED 1/26/98
APPROVED BY J. Baur — SURFACE ELEV. 11.5 feet MSL
TOTAL DEPTH 17 ft. — T.O.C. ELEV. 15.15 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0				sm		SILTY SAND; light brown. 3.0'
			1%	sp		Poorly-graded SAND; black. At 4': Wood pieces. At 7': Wire, diamond shaped metal grating. At 9': Light brown, 50% wood pieces. 14.0'
			25%			
			50%	sw		Well-graded SAND; black, coarse to fine sand, 25% wood pieces, black water.
5						
10						
15						
20						TOTAL DEPTH 17.0 FEET
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 6.25" O.D. Hollow-stem Auger
SAMPLING METHOD : California Modified Split-spoon Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	TRL 10-12-98	FILE NAME & DISK NUMBER	HPPZ150D(HP45)
DATE	9/28/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-150E

COORDINATES: N. 450908.1
E. 1457724.6

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 12 ft.

DATE BEGAN 1/29/98
DATE FINISHED 1/29/98
SURFACE ELEV. 12.0 feet MSL
T.O.C. ELEV. 15.30 feet MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0				Steel Stand up well cover; Concrete Apron; Steel Locking Cap; Formation Sand; Baroid Holeplug 3/8" Bentonite chips	ml		SANDY SILT; dark gray. 4.0'
5			50%	#3 Lonestar Sand; 1.25" dia. 304SS Casing; Formation Sand	sm		SILTY SAND; dark brown, medium dense, wood pieces. ▼ Groundwater encountered at 6.5'.
10			0%	1.25" dia. 304SS 0.010" continuous slot Screen			TOTAL DEPTH 12.0 FEET
15							
20							
25							
30							
35							

PAGE 1 OF 1

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 6.25" O.D. Hollow-stem Auger
SAMPLING METHOD : California Modified Split-Spoon Sampler.
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	7/2 10·12·98	FILE NAME & DISK NUMBER	HPPZ150E(HP45)
DATE	9/28/98	APPROVED BY	DWB 11·4·98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO. PZ-150F

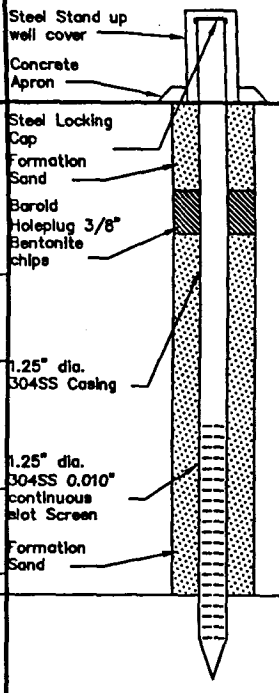
COORDINATES: N. 450976.8
E. 1457789.7

FIELD GEOLOGIST W. Akiyama
CHECKED BY C. Carlton
APPROVED BY J. Baur
TOTAL DEPTH 11.5 ft.

DATE BEGAN 1/29/98
DATE FINISHED 1/29/98
SURFACE ELEV. 13.5 ft. MSL
T.O.C. ELEV. 17.09 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0				cl/sc		SANDY CLAY to CLAYEY SAND; brown, very moist, grades to grayish brown, brick pieces. At 3': grades to grayish brown, brick pieces.
4.0'						
5			50%	sm		SILTY SAND; orangish brown, loose, fine sand, cloth and wood pieces.
7.0'						
10			25%	sp		Poorly-graded SAND; dark brown, medium to coarse sand, wood pieces.
11.5						TOTAL DEPTH 11.5 FEET
15						
20						
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 6.25" O.D. Hollow-Stem Auger
SAMPLING METHOD : California Modified Split-Spoon Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	CLB 10-12-98	FILE NAME & DISK NUMBER	HPPZ150F(HP45)
DATE	9/28/98	APPROVED BY	DWB 11-4-98		

INTERNATIONAL TECHNOLOGY CORPORATION

BORING NO.PZ-159A

COORDINATES: N. 450935.7
E. 1457632.9

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/29/98
CHECKED BY C. Carlton — DATE FINISHED 1/29/98
APPROVED BY J. Baur — SURFACE ELEV. 10.8 feet MSL
TOTAL DEPTH 16 ft. — T.O.C. ELEV. 14.09 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	PIEZOMETER CONSTRUCTION DETAILS	USCS	PROFILE	
0				Steel Stand up well cover; Concrete Apron			CLAYEY GRAVEL; reddish brown, moist, medium dense, gravel, wood pieces.
				Steel Locking Cap; Formation Sand; Barold Hole plug 3/8" Bentonite chips			
5			50%	1.25" dia.304SS Casing; #3 Lonestar Sand	gc		
10			50%	Formation Sand; 1.25" dia. 304SS 0.010" continuous slot Screen			
15			0%				BAY MUD.
							TOTAL DEPTH 16.0 FEET
20							
25							
30							
35							

DRILLER : R. Nessinger
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 6.25" O.D. Hollow-stem Auger
SAMPLING METHOD : California Modified Split-spoon Sampler
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9-28-98	FILE NAME & DISK NUMBER	HPPZ159A(HP38)
DATE	9/23/98	APPROVED BY	DWB 11-9-98		

INTERNATIONAL TECHNOLOGY CORPORATION

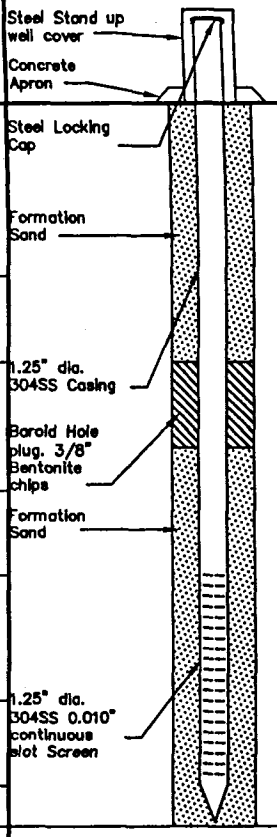
BORING NO.PZ-161D

COORDINATES: N. 450959.5
E.1457682.2

FIELD GEOLOGIST W. Akiyama — DATE BEGAN 1/29/98
CHECKED BY C. Carlton — DATE FINISHED 1/29/98
APPROVED BY J. Baur — SURFACE ELEV. 12.0 feet MSL
TOTAL DEPTH 17 ft. — T.O.C. ELEV. 13.28 ft MSL

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	USCS	PROFILE	
0				cl		CLAY; brown, slightly moist.
						Sandy gravelly clay, wood pieces. 4.0'
5			25%	sc		CLAYEY SAND; very moist, medium dense, wood pieces.
						▽ Groundwater encountered at 6.0' 9.0'
10			75%	sp		Poorly-graded SAND, dark brown, fine sand. 14.0'
15			25%	sw		Well-graded SAND, black, fine to coarse sand.
20						TOTAL DEPTH 17.0 FEET
25						
30						
35						

PIEZOMETER CONSTRUCTION DETAILS



PAGE 1 OF 1

DRILLER : Gregg Drilling Co.
DRILLING CO. : Gregg Drilling Co.
DRILLING METHOD : 6.25" O.D. Hollow-stem Auger
SAMPLING METHOD : California Modified Split-spoon Sampler.
PROJECT NAME: Site IR-1/21 D.O. 60
LOCATION : Hunters Point Shipyard
PROJECT NO. : 767497.02106000

DRAWN BY	T.R.S.	CHECKED BY	9.23.98	FILE NAME & DISK NUMBER	HPPZ161D(HP38)
DATE	9/23/98	APPROVED BY	11.4.98		

INTERNATIONAL TECHNOLOGY CORPORATION

Appendix C.2

Well Development Records

WELL DEVELOPMENT RECORD

Location: Hunters Point D.O. 60 (767497)

Well No. / Piez No.: EW-134

Personnel: Moe Rud · Greg Drilling

Date Installed: 12-22-97

Date: 1-6-98

Csg. Diameter (I.D.): 6-inch

Method of Development:

Total Depth (ft. BGL): 20.5 ft (25.05 w/ 3.5' stickup)

☑ Swabbing ☑ Bailing ☑ Pumping

Weather: Cloudy cold

Screened Interval (ft. BGL): _____

Equipment No.: pH Meter: EC Meter: Turbidity Meter:

Horiba U-10 pH, Cond, Temp, Turbid., D.O., Salinity

Solinst No.: _____

Equipment decontamined prior to development Y ✓ N ____

Describe: Steam cleaner

Collected sample of water added to well Y ____ N ✓

Describe: _____

DATE	TIME	WATER LEVEL (ft.)	VOLUME REMOVED (gal)	°C TEMP	pH	mS/cm µmho EC	NTU TURBIDITY	Salinity COMMENTS
1-6-98	7:52	7.87	Initial					
	8:37	~~7.87~~ WA	10	15.7	7.28	4.56	>999	silty/sand bottom 0.23
	8:49		30	14.6	7.23	3.34	>999	0.14
	8:52		55	15.5	7.21	2.42	>999	0.11
	9:07	7.45	Pumping ~~1/2~~ WA					
	9:11	3.46PM 11.17	Pumping 12 GAL	15.3	6.97	2.20	918	0.10
	9:17	12.44	35 GAL	15.4	7.02	2.00	230	0.09
	9:24	13.09	53 GAL	15.5	7.05	1.97	90	0.09
	9:32	13.90	71	15.6	7.04	1.92	130	0.09
	9:40	15.12	107	15.5	7.11	1.94	55	0.09

WELL DEVELOPMENT RECORD

767497

Location: Hunters Point D.O.E.D

Well No. / Piez No.: EW-138

Personnel: Moe Rood - Gregg Drilling

Date Installed: 12-23-97

Date: 1-6-98

Csg. Diameter (I.D.): 6-inch

Method of Development:

Total Depth (ft. BGL): 24.5-ft (TD-25.6ft)

☑ Swabbing ☑ Bailing ☑ Pumping

Weather: cloudy, slight breeze, cold

Screened Interval (ft. BGL): _____

Equipment No.: pH Meter: EC Meter: Turbidity Meter:

Horiba U-10 pH, Cond, Temp, Turbidity, D.O., Salinity

Solinst No.: _____

Equipment decontamined prior to development Y ✓ N ____

Describe: Steam Clean

Collected sample of water added to well Y ____ N ✓

Describe: _____

DATE	TIME	WATER LEVEL (ft.)	VOLUME REMOVED (gal)	°C TEMP	units pH	mS/cm EC	TURBIDITY	Salinity COMMENTS
1-6-98	10:09	7.60	initial water level					
	10:47		10 gal	16.4	6.99	5.05	>999	0.26
	10:53		25	16.2	6.97	3.94	>999	0.19
	10:57		40	16.0	7.18	3.04	>999	0.15
	1108	7.62 ~~11.67~~	Pump rate 3.37 GPM initial prior to pumping					
	1114	7.95	14 Gallons	15.7	7.11	2.40	>999	0.11
	1121	8.02	39	15.6	7.16	2.30	321	0.11
	11:26	8.02	55	15.9	7.10	2.27	~~16~~ 143	0.10
	11:34	8.02	75	15.9	7.13	2.12	139	0.10
	11:40	7.06	105	16.0	7.09	2.23	85	0.10

WELL DEVELOPMENT RECORD

767497

Location: Hunters Point D.O.60

Well No. / Piez No.: EW-14Z

Personnel: Moe Rund - Gregg Drilling

Date Installed: 12-23-97

Date: 1-6-98

Csg. Diameter (I.D.): 6-inch

Method of Development:

Total Depth (ft. BGL): 19.5 - ft (TD 20.60)

☑ Swabbing ☑ Bailing ☑ Pumping

Weather: overcast, cold, slight breeze

Screened Interval (ft. BGL):

Equipment No.: pH Meter: EC Meter: Turbidity Meter:

Solinst No.: N/A

Horiba U-10 pH, Cond, Temp, Turbidity, D.O., Salinity

Equipment decontamined prior to development Y ✓ N ____

Describe: steam clean

Collected sample of water added to well Y ____ N ✓

Describe:

DATE	TIME	WATER LEVEL (ft.)	VOLUME REMOVED (gal)	°C TEMP	pH	EC (mS/cm)	NTU TURBIDITY	Salinity COMMENTS
1-6-98	12:36	7.82	initial water level					
	12:58		10	16.1	7.41	5.76	>999	bailing 0.30
	1304 ~~12:57~~		25	15.7	7.26	3.29	>999	0.16
	1310		45	15.3	7.22	2.40	>999	0.11
	1320	3.37 gpm 7.79	water level prior to pumping					
	1324	8.21	8	15.1	7.47	234	>999	0.11
	13:28	8.25	23	15.6	7.31	2.11	116	0.10
	13:34	8.34	42	15.6	7.25	2.10	56	0.10
	13:42	8.42	67	16.2	7.17	2.24	102	pumpgrized 0.10
	13:49	8.50	92	15.7	7.26	2.13	34	0.10
	13:53	8.54	106	15.7	7.20	2.13	29	0.10

WELL DEVELOPMENT RECORD

7674/97

Location: Hunters Point D.O. 60

Well No. / Piez No.: EW-146

Personnel: MOE Rowd - Greell Drilling

Date Installed: 12-23-97

Date: 1-7-98

Csg. Diameter (I.D.): 6-inch

Method of Development:

Total Depth (ft. BGL): 17.5 ft (20.71) stickup 2' 6 18"

☑ Swabbing ☑ Bailing ☑ Pumping

Weather: cloudy, drizzle, cold

Screened Interval (ft. BGL): _____

Equipment No.: pH Meter: EC Meter: Turbidity Meter:

Horiba U-10 pH, Cond, Temp, Turbidity, D.O., Salinity

Solinst No.: _____

Equipment decontamined prior to development Y ✓ N ____

Describe: Steam Clean

Collected sample of water added to well Y ____ N ✓

Describe: _____

DATE	TIME	WATER LEVEL (ft.)	VOLUME REMOVED (gal)	°C TEMP	UNITS pH	mS/cm EC	NTU TURBIDITY	SAL COMMENTS
1-7-98	0936	9.75	initial water level					
	0757		10	17.2	6.27	3.33	>999	0.16
	0804		25	16.2	6.41	2.56	>999	0.12
	8:09		50	16.1	6.46	2.41	>999	0.11
	0817	9.78 / 3.36 gpm	set pump in well				>999	
	0821		8	15.9	6.53	2.37	>999	0.11
	0830	9.78 / 3.5 gpm	40	16.2	6.48	2.29	241	0.11
	0833	9.78 / 3.5	50	16.4	6.43	2.30	170	0.11 RAISE PUMP
	0841	9.78 / 3.5	75	16.4	6.46	2.30	166	0.11
	0845	9.78 / 3.5	91	16.3	6.44	2.27	34	0.10
	0859	9.78 / 3.5	107	16.4	6.44	2.27	33	0.10

WELL DEVELOPMENT RECORD

7674/97

Location: HUNTERS POINT D.O. 60

Well No. / Piez No.: EW-150

Personnel: MOE Rood - Gregg Drilling

Date Installed: 12-29-97

Date: 1-7-98

Csg. Diameter (I.D.): 6-inch

Method of Development:

Total Depth (ft. BGL): 22.5-ft (25.72 TD) 45.5" stickup

☒ Swabbing ☑ Bailing ☒ Pumping

Weather: Cold, cloudy drizzle

Screened Interval (ft. BGL): _____

Equipment No.: pH Meter: EC Meter: Turbidity Meter:

Horiba U-10 TEMP, pH, Cond, Turbidity, D.O., Salinity

Solinst No.: _____

Equipment decontamined prior to development Y ✓ N ____

Describe: Steam clean

Collected sample of water added to well Y ____ N ✓

Describe: _____

DATE	TIME	WATER LEVEL (ft.)	VOLUME REMOVED (gal)	TEMP	pH	EC	TURBIDITY	SALINITY COMMENTS
1/7/98	9:15	9.48	initial					
	9:48		10	17.0	6.70	7.44	999	0.40
	9:51		30	16.4	6.91	4.61	>999	0.23
	9:55		50	16.1	6.76	3.54	>999	0.17
	— Set	(est 3.3 gpm) pump, START PUMP 1007					—	
	1007	9.52						
	1009	9.6	8	15.9	6.87	2.56	>999	0.12
	10:13	9.6	23	15.7	6.78	1.92	744	0.09
	10:19	9.6	40	15.8	6.69	1.77	114	filling pump 0.08
	10:26	9.6	65	15.8	6.75	1.70	87	0.07
	10:31	9.6	87	16.0	6.64	1.97	90	0.09
	10:36	9.6	105	15.9	~~6.66~~ 6.67	1.78	21	0.08

WELL DEVELOPMENT RECORD

Location: Hunters Point D.O. 60

Well No. / Piez No.: EW-154

Personnel: Moe Rubd - Gregg Drilling

Date Installed: 12-23-97

Date: 1/7/98

Csg. Diameter (I.D.): 6-in

Method of Development:

Total Depth (ft. BGL): 18.5 ft (20.72)

Stickup 25"

☑ Swabbing ☑ Bailing ☑ Pumping

Weather: cloudy, breezy Cool

Screened Interval (ft. BGL):

Equipment No.: pH Meter: EC Meter: Turbidity Meter:

Horiba U-10 pH, Temp, Cond, Turbidity, D.O., Salinity

Solinst No.: NA

Equipment decontamined prior to development Y ✓ N ____

Describe: Steam clean

Collected sample of water added to well Y ____ N ✓

Describe:

DATE	TIME	WATER LEVEL (ft.)	VOLUME REMOVED (gal)	°C TEMP	Units pH	mS/cm EC	NTU TURBIDITY	Salinity COMMENTS
1/7/98	10:58	8.21	Initial					
	11:17	bailing	10	17.2	6.94	4.91	>999	0.25
	1124		25	17.3	6.87	3.76	>999	0.19
	1226	8.40	50	16.8	7.87	2.74	673	0.13
	1232		75	17.2	6.88	2.16	>999	0.10
	12:41		90	16.6	6.99	1.78	406	0.08
	1251		125	16.2	6.92	1.66	156	0.07
	1302		150	16.2	6.87	1.60	117	0.07

WELL DEVELOPMENT RECORD

Location: 767497 Hunters Point D.O.60

Well No. / Piez No.: EW-158

Personnel: MOE Rund - Gregg Drilling

Date Installed: 12-29-97

Date: 1-7-98

Csg. Diameter (I.D.): 6-inch

Method of Development:

Total Depth (ft. BGL): 24.5 ft (25.6) 18 in standup

☑ Swabbing ☑ Bailing ☑ Pumping

Weather: cloudy, cold, slight breeze

Screened Interval (ft. BGL): _____

Equipment No.: pH Meter: EC Meter: Turbidity Meter:

Solinst No.: _____ Horiba U-10 pH, Temp, cond, turbidity, D.O., Salinity

Equipment decontamined prior to development Y ✓ N ____

Describe: Steam Clean

Collected sample of water added to well Y ____ N ✓

Describe: _____

DATE	TIME	WATER LEVEL (ft.)	VOLUME REMOVED (gal)	TEMP	pH	EC	TURBIDITY	SAL COMMENTS
1-7-98	1318	8.68						
	1343		15	17.5	6.89	6.35	> 999	0.36
	1351		35	16.9	6.73	4.09	> 999	0.20
	1354		50	16.6	6.94	3.25	> 999	0.16
	1402	8.02	Prior to pumping					
	1405	8.48	3.5 gal 5	16.4	6.90	2.91	> 999	0.14
	1411	8.52	23	16.4	6.78	2.40	> 999	0.11
	1416	8.52	38 43	16.4	6.77	2.39	> 999	0.11
	1430	8.52	87	16.4	6.68	2.23	473	0.10
	1435	8.52	105	16.3	6.68	2.24	306	0.10

Development Water Levels vs Time
Hunters Point Naval Shipyard
D.O. 60 Job Number 767497

EW134	Time	Elapsed time	Water level	Drawdown (ft)				
	9:07	0	7.45	0.00				
	9:11	0:04	11.17	3.72		T=264Q/Δs		
	9:18	0:11	12.44	4.99		338.3111	gpd/f	
	9:24	0:17	13.09	5.64		Q=3.46 gpm		
	9:32	0:25	13.90	6.45				
	9:40	0:33	15.12	7.67				
EW138	Time	Elapsed time	Water level	Drawdown (ft)				
	11:08	0	7.62	0.00		3357.283	gpd/f	
	11:14	0:06	7.95	0.33				
	11:21	0:13	8.02	0.40		Δs=.265		
	11:26	0:18	8.02	0.40				
	11:34	0:26	8.02	0.40		Q=3.37 gpm		
	11:40	0:32	8.06	0.44		T=264Q/Δs		
EW142	Time	Elapsed time	Water level	Drawdown (ft)				
	13:20	0	7.79	0.00		T=264Q/Δs		
	13:24	0:04	8.21	0.42				
	13:28	0:08	8.25	0.46		2780.25	gpd/f	
	13:34	0:14	8.34	0.55				
	13:42	0:22	8.42	0.63		Q=3.37 gpm		
	13:49	0:29	8.50	0.71		Δs=.32		
	13:53	0:33	8.54	0.75				
EW146	Time	Elapsed time	Water level	Drawdown (ft)				
	8:17	0	9.78	0.00				
	8:21	0:04	9.78	0.00		0.13		
	8:30	0:13	9.78	0.00				
	8:33	0:16	9.78	0.00		Δs=0/1=	0	
	8:41	0:24	9.78	0.00		Q=3.5 gpm		
	8:45	0:28	9.78	0.00				
	8:59	0:42	9.78	0.00				
							gpd/f	
EW150	Time	Elapsed time	Water level	Drawdown (ft)				
	10:07	0	9.52	0.00				
	10:09	0:02	9.60	0.08				
	10:13	0:06	9.60	0.08				
	10:19	0:12	9.60	0.08		Q=3.3 gpm		
	10:26	0:19	9.60	0.08				
	10:31	0:24	9.60	0.08				
	10:36	0:29	9.60	0.08				
EW154	Time	Elapsed time	Water level	Drawdown (ft)				
	BAILED, NO WATER LEVELS COLLECTED							
EW158	Time	Elapsed time	Water level	Drawdown (ft)				
	14:02	0	8.02	0.00		T=264Q/Δs		
	14:05	0:03	8.48	0.46		7107.692		
	14:11	0:09	8.52	0.50				
	14:16	0:14	8.52	0.50				
	14:30	0:28	8.52	0.50		Q=3.5 gpm		
	14:35	0:33	8.52	0.50				

Appendix D

Sheet Pile Driving Logs

Hunters Point Shipyard
Delivery Order #0060
Site IR-1/21
Sheetpile Installation

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
1	10+00	10+01.5	12-8	12	13	18.0	18.0	8/15/97	8/15/97	8/13/97	8/25/97	
2	10+01.5	10+03	12-9	12	13	18.0	36.0	8/15/97	8/15/97	8/13/97	8/25/97	
3	10+03	10+04.5	12-10	12	13	18.0	54.0	8/15/97	8/15/97	8/13/97	8/25/97	
4	10+04.5	10+06	12-11	12	13	18.0	72.0	8/15/97	8/15/97	8/13/97	8/25/97	
5	10+06	10+07.5	12-12	12	13	18.0	90.0	8/15/97	8/15/97	8/13/97	8/25/97	
6	10+07.5	10+09	12-13	12	13	18.0	108.0	8/15/97	8/15/97	8/13/97	8/25/97	
7	10+09	10+10.5	12-14	12	13	18.0	126.0	8/15/97	8/15/97	8/13/97	8/25/97	
8	10+10.5	10+12	12-6	12	13	18.0	144.0	8/15/97	8/15/97	8/13/97	8/25/97	
9	10+12	10+13.5	12-7	12	13	18.0	162.0	8/15/97	8/15/97	8/13/97	8/25/97	
10	10+13.5	10+15	12-1	12	13	18.0	180.0	8/15/97	8/15/97	8/13/97	8/25/97	
11	10+15	10+16.5	12-2	12	13	18.0	198.0	8/15/97	8/15/97	8/13/97	8/25/97	
12	10+16.5	10+18	12-3	12	13	18.0	216.0	8/15/97	8/15/97	8/13/97	8/25/97	
13	10+18	10+19.5	12-4	12	13	18.0	234.0	8/21/97	8/22/97	8/13/97	8/25/97	
14	10+19.5	10+21	12-5	12	13	18.0	252.0	8/21/97	8/22/97	8/13/97	8/25/97	
15	10+21	10+22.5	12-28	12	13	18.0	270.0	8/21/97	8/22/97	8/13/97	8/25/97	
16	10+22.5	10+24	12-15	12	13	18.0	288.0	8/21/97	8/22/97	8/13/97	8/25/97	
17	10+24	10+25.5	12-29	12	13	18.0	306.0	8/21/97	8/22/97	8/13/97	8/25/97	

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
18	10+25.5	10+27	12-16	12	13	18.0	324.0	8/21/97	8/22/97	8/13/97	8/25/97	
19	10+27	10+28.5	12-30	12	13	18.0	342.0	8/21/97	8/22/97	8/13/97	8/25/97	
20	10+28.5	10+30	12-17	12	13	18.0	360.0	8/21/97	8/22/97	8/13/97	8/25/97	
21	10+30	10+31.5	12-31	12	13	18.0	378.0	8/21/97	8/22/97	8/13/97	8/25/97	
22	10+31.5	10+33	12-18	12	13	18.0	396.0	8/21/97	8/22/97	8/13/97	8/25/97	
23	10+33	10+34.5	12-32	12	13	18.0	414.0	8/21/97	8/22/97	8/13/97	8/25/97	
24	10+34.5	10+36	12-19	12	13	18.0	432.0	8/21/97	8/22/97	8/13/97	8/25/97	
25	10+36	10+37.5	12-33	12	13	18.0	450.0	8/21/97	8/22/97	8/13/97	8/25/97	
26	10+37.5	10+39	12-20	12	13	18.0	468.0	8/21/97	8/22/97	8/13/97	8/25/97	
27	10+39	10+40.5	12-34	12	13	18.0	486.0	8/21/97	8/22/97	8/13/97	8/26/97	
28	10+40.5	10+42	12-21	12	13	18.0	504.0	8/21/97	8/22/97	8/13/97	8/26/97	
29	10+42	10+43.5	12-35	12	13	18.0	522.0	8/21/97	8/22/97	8/13/97	8/26/97	
30	10+43.5	10+45	12-22	12	13	18.0	540.0	8/21/97	8/22/97	8/13/97	8/26/97	
31	10+45	10+46.5	12-23	12	13	18.0	558.0	8/21/97	8/22/97	8/13/97	8/26/97	
32	10+46.5	10+48	12-24	12	13	18.0	576.0	8/21/97	8/22/97	8/13/97	8/26/97	
33	10+48	10+49.5	12-36	12	13	18.0	594.0	8/21/97	8/25/97	8/13/97	8/26/97	
34	10+49.5	10+51	12-39	12	13	18.0	612.0	8/21/97	8/25/97	8/13/97	8/26/97	
35	10+51	10+52.5	12-40	12	13	18.0	630.0	8/21/97	8/25/97	8/13/97	8/26/97	
36	10+52.5	10+54	12-45	12	13	18.0	648.0	8/22/97	8/25/97	8/13/97	8/26/97	
37	10+54	10+55.5	12-46	12	13	18.0	666.0	8/22/97	8/25/97	8/13/97	8/26/97	
38	10+55.5	10+57	12-44	12	13	18.0	684.0	8/22/97	8/25/97	8/13/97	8/26/97	Obstruction at 3'

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
39	10+57	10+58.5	12-47	12	13	18.0	702.0	8/22/97	8/25/97	8/13/97	8/26/97	
40	10+58.5	10+60	12-48	12	13	18.0	720.0	8/22/97	8/25/97	8/13/97	8/26/97	
41	10+60	10+61.5	12-43	12	13	18.0	738.0	8/22/97	8/25/97	8/13/97	8/26/97	
42	10+61.5	10+63	12-42	12	13	18.0	756.0	8/22/97	8/25/97	8/13/97	8/26/97	
43	10+63	10+64.5	12-49	12	13	18.0	774.0	8/22/97	8/25/97	8/13/97	8/26/97	
44	10+64.5	10+66	12-41	12	13	18.0	792.0	8/22/97	8/25/97	8/13/97	8/26/97	
45	10+66	10+67.5	12-50	12	13	18.0	810.0	8/22/97	8/25/97	8/13/97	8/26/97	
46	10+67.5	10+69	12-51	12	13	18.0	828.0	8/22/97	8/25/97	8/13/97	8/26/97	
47	10+69	10+70.5	12-66	12	13	18.0	846.0	8/22/97	8/25/97	8/13/97	8/26/97	
48	10+70.5	10+72	12-52	12	13	18.0	864.0	8/22/97	8/25/97	8/13/97	8/26/97	
49	10+72	10+73.5	12-67	12	13	18.0	882.0	8/22/97	8/25/97	8/13/97	8/26/97	
50	10+73.5	10+75	12-53	12	13	18.0	900.0	8/22/97	8/25/97	8/13/97	8/26/97	
51	10+75	10+76.5	12-68	12	13	18.0	918.0	8/22/97	8/25/97	8/13/97	8/26/97	
52	10+76.5	10+78	12-54	12	13	18.0	936.0	8/22/97	8/25/97	8/13/97	8/26/97	
53	10+78	10+79.5	12-69	12	13	18.0	954.0	8/22/97	8/25/97	8/13/97	8/26/97	
54	10+79.5	10+81	12-55	12	13	18.0	972.0	8/22/97	8/25/97	8/13/97	8/26/97	
55	10+81	10+82.5	12-70	12	13	18.0	990.0	8/22/97	8/25/97	8/13/97	8/29/97	
56	10+82.5	10+84	12-56	12	13	18.0	1,008.0	8/22/97	8/25/97	8/13/97	8/27/97	
57	10+84	10+85.5	12-71	12	13	18.0	1,026.0	8/22/97	8/25/97	8/13/97	8/27/97	Obstruction at 3', broke through
58	10+85.5	10+87	12-57	12	13	18.0	1,044.0	8/22/97	8/25/97	8/13/97	8/27/97	
59	10+87	10+88.5	12-72	12	13	18.0	1,062.0	8/22/97	8/25/97	8/13/97	8/27/97	

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
60	10+88.5	10+90	12-58	12	13	18.0	1,080.0	8/22/97	8/25/97	8/13/97	8/27/97	
61	10+90	10+91.5	12-73	12	13	18.0	1,098.0	8/22/97	8/25/97	8/13/97	8/27/97	
62	10+91.5	10+93	12-59	12	13	18.0	1,116.0	8/22/97	8/25/97	8/13/97	8/29/97	
63	10+93	10+94.5	12-74	12	13	18.0	1,134.0	8/22/97	8/25/97	8/13/97	* 8/27/97	Obstruction at 7', broke through
64	10+94.5	10+96	12-60	12	13	18.0	1,152.0	8/22/97	8/25/97	8/13/97	8/27/97	
65	10+96	10+97.5	12-75	12	13	18.0	1,170.0	8/22/97	8/25/97	8/13/97	8/27/97	
66	10+97.5	10+99	12-160	12	13	18.0	1,188.0	8/22/97	8/25/97	8/18/97	8/27/97	
67	10+99	11+00.5	12-61	12	13	18.0	1,206.0	8/25/97	8/25/97	8/13/97	8/27/97	
68	11+00.5	11+02	13-1	13.5	14.5	20.25	1,226.3	8/25/97	8/25/97	8/13/97	8/27/97	
69	11+02	11+03.5	12-62	12	13	18.0	1,244.3	8/25/97	8/25/97	8/13/97	8/27/97	
70	11+03.5	11+05	12-162	12	13	18.0	1,262.3	8/25/97	8/25/97	8/13/97	8/27/97	
71	11+05	11+06.5	12-63	12	13	18.0	1,280.3	8/25/97	8/25/97	8/22/97	8/27/97	
72	11+06.5	11+08	12-163	12	13	18.0	1,298.3	8/25/97	8/25/97	8/18/97	8/27/97	
73	11+08	11+09.5	12-64	12	13	18.0	1,316.3	8/25/97	8/25/97	8/22/97	8/27/97	
74	11+09.5	11+11	12-164	12	13	18.0	1,334.3	8/25/97	8/25/97	8/18/97	8/27/97	
75	11+11	11+12.5	12-65	12	13	18.0	1,352.3	8/25/97	8/25/97	8/22/97	8/27/97	
76	11+12.5	11+14	12-165	12	13	18.0	1,370.3	8/25/97	8/25/97	8/18/97	8/27/97	
77	11+14	11+15.5	12-159	12	13	18.0	1,388.3	8/25/97	8/25/97	8/18/97	8/27/97	
78	11+15.5	11+17	12-166	12	13	18.0	1,406.3	8/25/97	8/25/97	8/18/97	8/27/97	
79	11+17	11+18.5	13-2	13.5	14.5	20.25	1,426.5	8/25/97	8/25/97	8/18/97	8/27/97	
80	11+18.5	11+20	12-167	12	13	18.0	1,444.5	8/25/97	8/25/97	8/18/97	8/27/97	

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
81	11+20	11+21.5	* 12-161	12	13	18.0	1,462.5	8/25/97	8/25/97	8/18/97	8/27/97	
82	11+21.5	11+23	12-144	12	13	18.0	1,480.5	8/25/97	8/25/97	8/18/97	8/27/97	
83	11+23	11+24.5	12-145	12	13	18.0	1,498.5	8/25/97	8/25/97	8/18/97	8/28/97	
84	11+24.5	11+26	12-134	12	13	18.0	1,516.5	8/25/97	8/25/97	8/18/97	8/28/97	Obstruction at 5', broke through
85	11+26	11+27.5	12-146	12	13	18.0	1,534.5	8/25/97	8/25/97	8/18/97	8/28/97	
86	11+27.5	11+29	12-135	12	13	18.0	1,552.5	8/25/97	8/25/97	8/18/97	8/28/97	
87	11+29	11+30.5	12-147	12	13	18.0	1,570.5	8/25/97	8/25/97	8/18/97	8/28/97	
88	11+30.5	11+32	12-136	12	13	18.0	1,588.5	8/25/97	8/25/97	8/18/97	8/28/97	
89	11+32	11+33.5	12-148	12	13	18.0	1,606.5	8/25/97	8/25/97	8/18/97	8/27/97	
90	11+33.5	11+35	12-137	12	13	18.0	1,624.5	8/25/97	8/25/97	8/18/97	8/27/97	
91	11+35	11+36.5	12-149	12	13	18.0	1,642.5	8/25/97	8/25/97	8/18/97	8/27/97	
92	11+36.5	11+38	12-138	12	13	18.0	1,660.5	8/25/97	8/25/97	8/18/97	8/27/97	
93	11+38	11+39.5	12-150	12	13	18.0	1,678.5	8/25/97	8/27/97	8/18/97	8/27/97	
94	11+39.5	11+41	12-139	12	13	18.0	1,696.5	8/25/97	8/27/97	8/18/97	8/27/97	
95	11+41	11+42.5	12-151	12	13	18.0	1,714.5	8/25/97	8/27/97	8/18/97	8/27/97	
96	11+42.5	11+44	12-140	12	13	18.0	1,732.5	8/25/97	8/27/97	8/18/97	8/27/97	Obstruction at 6', broke through
97	11+44	11+45.5	12-152	12	13	18.0	1,750.5	8/26/97	8/27/97	8/18/97	8/28/97	
98	11+45.5	11+47	12-141	12	13	18.0	1,768.5	8/26/97	8/27/97	8/18/97	8/28/97	Obstruction at 6', broke through
99	11+47	11+48.5	12-153	12	13	18.0	1,786.5	8/26/97	8/27/97	8/18/97	8/28/97	
100	11+48.5	11+50	12-142	12	13	18.0	1,804.5	8/26/97	8/27/97	8/18/97	8/28/97	
101	11+50	11+51.5	12-143	12	13	18.0	1,822.5	8/26/97	8/27/97	8/18/97	8/28/97	

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
102	11+51.5	11+53	12-76	12	13	18.0	1,840.5	8/26/97	8/27/97	8/13/97	8/28/97	
103	11+53	11+54.5	12-77	12	13	18.0	1,858.5	8/26/97	8/27/97	8/13/97	8/28/97	
104	11+54.5	11+56	12-79	12	13	18.0	1,876.5	8/26/97	8/27/97	8/13/97	8/28/97	
105	11+56	11+57.5	12-94	12	13	18.0	1,894.5	8/26/97	8/27/97	8/18/97	8/28/97	
106	11+57.5	11+59	12-80	12	13	18.0	1,912.5	8/26/97	8/27/97	8/13/97	8/28/97	
107	11+59	11+60.5	12-95	12	13	18.0	1,930.5	8/26/97	8/27/97	8/18/97	8/28/97	
108	11+60.5	11+62	12-81	12	13	18.0	1,948.5	8/26/97	8/27/97	8/13/97	8/28/97	
109	11+62	11+63.5	12-96	12	13	18.0	1,966.5	8/26/97	8/27/97	8/18/97	8/28/97	
110	11+63.5	11+65	12-82	12	13	18.0	1,984.5	8/26/97	8/27/97	8/13/97	8/28/97	
111	11+65	11+66.5	12-97	12	13	18.0	2,002.5	8/26/97	8/27/97	8/18/97	8/28/97	
112	11+66.5	11+68	12-83	12	13	18.0	2,020.5	8/26/97	8/27/97	8/13/97	8/28/97	
113	11+68	11+69.5	12-98	12	13	18.0	2,038.5	8/26/97	8/27/97	8/18/97	8/28/97	
114	11+69.5	11+71	12-84	12	13	18.0	2,056.5	8/26/97	8/27/97	8/13/97	8/28/97	
115	11+71	11+72.5	12-99	12	13	18.0	2,074.5	8/26/97	8/27/97	8/18/97	8/28/97	
116	11+72.5	11+74	12-85	12	13	18.0	2,092.5	8/26/97	8/27/97	8/13/97	8/28/97	
117	11+74	11+75.5	12-100	12	13	18.0	2,110.5	8/26/97	8/27/97	8/18/97	8/28/97	
118	11+75.5	11+77	12-86	12	13	18.0	2,128.5	8/26/97	8/27/97	8/13/97	8/28/97	
119	11+77	11+78.5	12-101	12	13	18.0	2,146.5	8/26/97	8/27/97	8/18/97	8/28/97	
120	11+78.5	11+80	12-158	12	13	18.0	2,164.5	8/26/97	8/27/97	8/18/97	8/28/97	
121	11+80	11+81.5	12-102	12	13	18.0	2,182.5	8/26/97	8/27/97	8/18/97	8/28/97	
122	11+81.5	11+83	12-38	12	13	18.0	2,200.5	8/26/97	8/27/97	8/25/97	8/28/97	

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
123	11+83	11+84.5	12-103	12	13	18.0	2,218.5	8/26/97	8/27/97	8/18/97	8/29/97	
124	11+84.5	11+86	12-37	12	13	18.0	2,236.5	8/26/97	8/27/97	8/25/97	8/29/97	
125	11+86	11+87.5	12-27	12	13	18.0	2,254.5	8/26/97	8/28/97	8/25/97	8/29/97	
126	11+87.5	11+89	12-26	12	13	18.0	2,272.5	8/26/97	8/28/97	8/25/97	8/29/97	
127	11+89	11+90.5	12-154	12	13	18.0	2,290.5	8/26/97	8/28/97	8/25/97	8/29/97	
128	11+90.5	11+92	12-155	12	13	18.0	2,308.5	8/26/97	8/28/97	8/25/97	8/29/97	
129	11+92	11+93.5	12-156	12	13	18.0	2,326.5	8/26/97	8/28/97	8/25/97	8/29/97	
130	11+93.5	11+95	12-157	12	13	18.0	2,344.5	8/27/97	8/28/97	8/25/97	8/29/97	
131	11+95	11+96.5	12-87	12	13	18.0	2,362.5	8/27/97	8/28/97	8/13/97	8/29/97	
132	11+96.5	11+98	12-104	12	13	18.0	2,380.5	8/27/97	8/28/97	8/18/97	8/29/97	
133	11+98	11+99.5	12-88	12	13	18.0	2,398.5	8/27/97	8/28/97	8/13/97	8/29/97	
134	11+99.5	12+01	12-105	12	13	18.0	2,416.5	8/27/97	8/28/97	8/18/97	8/29/97	
135	12+01	12+02.5	12-89	12	13	18.0	2,434.5	8/27/97	8/28/97	8/13/97	8/29/97	
136	12+02.5	12+04	12-106	12	13	18.0	2,452.5	8/27/97	8/28/97	8/18/97	8/29/97	
137	12+04	12+15.5	12-90	12	13	18.0	2,470.5	8/27/97	8/28/97	8/13/97	8/29/97	
138	12+15.5	12+07	12-107	12	13	18.0	2,488.5	8/27/97	8/28/97	8/18/97	8/29/97	
139	12+07	12+08.5	12-91	12	13	18.0	2,506.5	8/27/97	8/28/97	8/13/97	8/29/97	
140	12+08.5	12+10	12-108	12	13	18.0	2,524.5	8/27/97	8/28/97	8/18/97	8/29/97	
141	12+10	12+11.5	12-92	12	13	18.0	2,542.5	8/27/97	8/28/97	8/13/97	8/29/97	
142	12+11.5	12+13	12-109	12	13	18.0	2,560.5	8/27/97	8/28/97	8/18/97	8/29/97	
143	12+13	12+14.5	12-93	12	13	18.0	2,578.5	8/27/97	8/28/97	8/13/97	8/29/97	

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
144	12+14.5	12+16	12-110	12	13	18.0	2,596.5	8/27/97	8/28/97	8/13/97	8/29/97	
145	12+16	12+17.5	12-112	12	13	18.0	2,614.5	8/27/97	8/28/97	8/13/97	8/29/97	
146	12+17.5	12+19	12-111	12	13	18.0	2,632.5	8/27/97	8/28/97	8/13/97	8/29/97	
147	12+19	12+20.5	12-113	12	13	18.0	2,650.5	8/27/97	8/28/97	8/18/97	8/29/97	
148	12+20.5	12+22	12-114	12	13	18.0	2,668.5	8/27/97	8/28/97	8/18/97	8/29/97	
149	12+22	12+23.5	12-115	12	13	18.0	2,686.5	8/27/97	8/28/97	8/18/97	8/29/97	
150	12+23.5	12+25	12-116	12	13	18.0	2,704.5	8/27/97	8/28/97	8/18/97	8/29/97	
151	12+25	12+26.5	12-124	12	13	18.0	2,722.5	8/27/97	8/28/97	8/18/97	8/29/97	
152	12+26.5	12+28	12-117	12	13	18.0	2,740.5	8/27/97	8/28/97	8/18/97	8/29/97	
153	12+28	12+29.5	12-125	12	13	18.0	2,758.5	8/27/97	8/28/97	8/18/97	8/29/97	
154	12+29.5	12+31	12-118	12	13	18.0	2,776.5	8/27/97	8/28/97	8/18/97	8/29/97	
155	12+31	12+32.5	12-126	12	13	18.0	2,794.5	8/27/97	8/28/97	8/18/97	8/29/97	
156	12+32.5	12+34	12-119	12	13	18.0	2,812.5	8/27/97	8/28/97	8/18/97	8/29/97	
157	12+34	12+35.5	12-127	12	13	18.0	2,830.5	8/27/97	8/28/97	8/18/97	8/29/97	
158	12+35.5	12+37	12-120	12	13	18.0	2,848.5	8/27/97	8/28/97	8/18/97	8/29/97	
159	12+37	12+38.5	12-128	12	13	18.0	2,866.5	8/27/97	8/28/97	8/18/97	9/2/97	
160	12+38.5	12+40	12-121	12	13	18.0	2,884.5	8/27/97	8/28/97	8/18/97	9/2/97	
161	12+40	12+41.5	12-129	12	13	18.0	2,902.5	8/27/97	8/28/97	8/18/97	9/2/97	
162	12+41.5	12+43	12-122	12	13	18.0	2,920.5	8/27/97	8/28/97	8/18/97	9/2/97	
163	12+43	12+44.5	12-130	12	13	18.0	2,938.5	8/28/97	8/28/97	8/18/97	9/2/97	
164	12+44.5	12+46	12-123	12	13	18.0	2,956.5	8/28/97	8/28/97	8/18/97	9/2/97	

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
165	12+46	12+47.5	12-131	12	13	18.0	2,974.5	8/28/97	8/28/97	8/18/97	9/2/97	
166	12+47.5	12+49	12-132	12	13	18.0	2,992.5	8/28/97	8/28/97	8/18/97	9/2/97	
167	12+49	12+50.5	12-133	12	13	18.0	3,010.5	8/28/97	8/28/97	8/18/97	9/2/97	
168	12+50.5	12+52	15-30	15	16	22.5	3,033.0	8/28/97	8/28/97	8/18/97	9/2/97	
169	12+52	12+53.5	15-31	15	16	22.5	3,055.5	8/28/97	8/28/97	8/18/97	9/2/97	
170	12+53.5	12+55	15-20	15	16	22.5	3,078.0	8/28/97	8/28/97	8/18/97	9/2/97	
171	12+55	12+56.5	15-32	15	16	22.5	3,100.5	8/28/97	8/28/97	8/18/97	9/2/97	
172	12+56.5	12+58	15-21	15	16	22.5	3,123.0	8/28/97	8/28/97	8/18/97	9/2/97	
173	12+58	12+59.5	15-33	15	16	22.5	3,145.5	8/28/97	8/28/97	8/18/97	9/2/97	
174	12+59.5	12+61	15-22	15	16	22.5	3,168.0	8/28/97	8/28/97	8/18/97	9/2/97	
175	12+61	12+62.5	15-34	15	16	22.5	3,190.5	8/28/97	8/28/97	8/18/97	9/2/97	
176	12+62.5	12+64	15-23	15	16	22.5	3,213.0	8/28/97	8/28/97	8/18/97	9/2/97	
177	12+64	12+65.5	15-35	15	16	22.5	3,235.5	8/28/97	8/28/97	8/18/97	9/2/97	
178	12+65.5	12+67	15-24	15	16	22.5	3,258.0	8/28/97	8/28/97	8/18/97	9/2/97	
179	12+67	12+68.5	15-36	15	16	22.5	3,280.5	8/28/97	8/28/97	8/18/97	9/2/97	
180	12+68.5	12+70	15-25	15	16	22.5	3,303.0	8/28/97	8/28/97	8/18/97	9/2/97	
181	12+70	12+71.5	15-37	15	16	22.5	3,325.5	8/28/97	8/28/97	8/18/97	9/2/97	
182	12+71.5	12+73	15-26	15	16	22.5	3,348.0	8/28/97	8/28/97	8/18/97	9/2/97	
183	12+73	12+74.5	15-38	15	16	22.5	3,370.5	8/28/97	8/28/97	8/18/97	9/2/97	
184	12+74.5	12+76	15-27	15	16	22.5	3,393.0	8/28/97	8/28/97	8/18/97	9/2/97	
185	12+76	12+77.5	15-40	15	16	22.5	3,415.5	8/28/97	8/28/97	8/18/97	9/2/97	

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
186	12+77.5	12+79	15-28	15	16	22.5	3,438.0	8/28/97	8/29/97	8/18/97	9/2/97	
187	12+79	12+80.5	15-29	15	16	22.5	3,460.5	8/28/97	8/29/97	8/18/97	9/2/97	
188	12+80.5	12+82	15-10	15	16	22.5	3,483.0	8/28/97	8/29/97	8/18/97	9/2/97	
189	12+82	12+83.5	15-1	15	16	22.5	3,505.5	8/28/97	8/29/97	8/18/97	9/2/97	
190	12+83.5	12+85	15-11	15	16	22.5	3,528.0	8/28/97	8/29/97	8/18/97	9/2/97	
191	12+85	12+86.5	15-39	15	16	22.5	3,550.5	8/28/97	8/29/97	8/18/97	9/3/97	
192	12+86.5	12+88	15-12	15	16	22.5	3,573.0	8/28/97	8/29/97	8/18/97	9/3/97	
193	12+88	12+89.5	15-2	15	16	22.5	3,595.5	8/28/97	8/29/97	8/18/97	9/3/97	
194	12+89.5	12+91	15-13	15	16	22.5	3,618.0	8/28/97	8/29/97	8/18/97	9/3/97	
195	12+91	12+92.5	15-3	15	16	22.5	3,640.5	8/28/97	8/29/97	8/18/97	9/3/97	
196	12+92.5	12+94	15-14	15	16	22.5	3,663.0	8/28/97	8/29/97	8/18/97	9/3/97	
197	12+94	12+95.5	15-4	15	16	22.5	3,685.5	8/28/97	8/29/97	8/18/97	9/3/97	
198	12+95.5	12+97	15-15	15	16	22.5	3,708.0	8/28/97	8/29/97	8/18/97	9/3/97	
199	12+97	12+98.5	15-5	15	16	22.5	3,730.5	8/28/97	8/29/97	8/18/97	9/3/97	
200	12+98.5	13+00	15-16	15	16	22.5	3,753.0	8/28/97	8/29/97	8/18/97	9/3/97	
201	13+00	13+01.5	15-6	15	16	22.5	3,775.5	8/28/97	8/29/97	8/18/97	9/3/97	
202	13+01.5	13+03	15-17	15	16	22.5	3,798.0	8/28/97	8/29/97	8/18/97	9/3/97	
203	13+03	13+4.5	15-7	15	16	22.5	3,820.5	8/29/97	8/29/97	8/18/97	9/3/97	
204	13+4.5	13+06	15-18	15	16	22.5	3,843.0	8/29/97	8/29/97	8/18/97	9/3/97	
205	13+06	13+07.5	15-8	15	16	22.5	3,865.5	8/29/97	8/29/97	8/18/97	9/3/97	
206	13+07.5	13+09	15-19	15	16	22.5	3,888.0	8/29/97	8/29/97	8/18/97	9/3/97	

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
207	13+09	13+10.5	15-9	15	16	22.5	3,910.5	8/29/97	8/29/97	8/18/97	9/3/97	
208	13+10.5	13+12	25-25	25	26	37.5	3,948.0	8/29/97	9/2/97	8/18/97	9/3/97	
209	13+12	13+13.5	25-29	25	26	37.5	3,985.5	8/29/97	9/2/97	8/18/97	9/3/97	
210	13+13.5	13+15	25-26	25	26	37.5	4,023.0	8/29/97	9/2/97	8/18/97	9/3/97	
211	13+15	13+16.5	25-30	25	26	37.5	4,060.5	8/29/97	9/2/97	8/18/97	9/3/97	
212	13+16.5	13+18	25-27	25	26	37.5	4,098.0	8/29/97	9/2/97	8/18/97		
213	13+18	13+19.5	25-31	25	26	37.5	4,135.5	8/29/97	9/2/97	8/18/97		
214	13+19.5	13+21	25-28	25	26	37.5	4,173.0	8/29/97	9/2/97	8/18/97		
215	13+21	13+22.5	35-31	35	36	52.5	4,225.5	8/29/97	9/2/97	8/22/97		
216	13+22.5	13+24	35-27	35	36	52.5	4,278.0	8/29/97	9/2/97	8/22/97		
217	13+24	13+25.5	35-32	35	36	52.5	4,330.5	8/29/97	9/2/97	8/22/97		
218	13+25.5	13+27	35-28	35	36	52.5	4,383.0	8/29/97	9/2/97	8/22/97		
219	13+27	13+28.5	35-33	35	36	52.5	4,435.5	8/29/97	9/2/97	8/22/97		
220	13+28.5	13+30	35-29	35	36	52.5	4,488.0	8/29/97	9/2/97	8/22/97		
221	13+30	13+31.5	35-34	35	36	52.5	4,540.5	8/29/97	9/2/97	8/22/97		
222	13+31.5	13+33	45-4	45	46	67.5	4,608.0	8/29/97	9/2/97	8/18/97		
223	13+33	13+34.5	45-1	45	46	67.5	4,675.5	8/29/97	9/2/97	8/18/97		
224	13+34.5	13+36	45-5	45	46	67.5	4,743.0	9/2/97	9/2/97	8/18/97		
225	13+36	13+37.5	45-7	45	46	67.5	4,810.5	9/2/97	9/2/97	8/18/97		
226	13+37.5	13+39	45-6	45	46	67.5	4,878.0	9/2/97	9/2/97	8/18/97		
227	13+39	13+40.5	45-8	45	46	67.5	4,945.5	9/2/97	9/2/97	8/18/97		

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
228	13+40.5	13+42	45-9	45	46	67.5	5,013.0	9/2/97	9/2/97	8/18/97		
229	13+42	13+43.5	50-13	50	51	75.0	5,088.0	9/2/97	9/2/97	8/18/97		
230	13+43.5	13+45	50-19	50	51	75.0	5,163.0	9/2/97	9/2/97	8/18/97		
231	13+45	13+46.5	50-14	50	51	75.0	5,238.0	9/2/97	9/2/97	8/18/97		
232	13+46.5	13+48	50-22	50	51	75.0	5,313.0	9/2/97	11/20/97	8/18/97		
233	13+48	13+49.5	50-15	50	51	75.0	5,388.0	9/2/97	11/20/97	8/18/97		
234	13+49.5	13+51	50-23	50	51	75.0	5,463.0	9/2/97	11/20/97	8/18/97		
235	13+51	13+52.5	50-16	50	52	75.0	5,538.0	9/2/97	11/20/97	8/18/97		
236	13+52.5	13+54	50-24	50	51	75.0	5,613.0	9/3/97	11/20/97	8/18/97		re-drove pile - pulled 9\3 initially driven 9/2
237	13+54	13+55.5	50-17	50	51	75.0	5,688.0	9/3/97	11/20/97	8/18/97		
238	13+55.5	13+57	50-25	50	52	75.0	5,763.0	9/3/97	11/20/97	8/18/97		
239	13+57	13+57.8	C-50-1	55	52	82.5	5,845.5	11/11/97	11/20/97	10/31/97		
240	***13+58.5***	***13+60***	***50-20***	***50***	***47***	***75.0***	***5,920.5***	***9/3/97***		***8/18/97***		***Left in place for new alignment***
241	***13+60***	***13+61.5***	***50-21***	***50***	***47***	***75.0***	***5,995.5***	***9/3/97***		***8/18/97***		***Left in place, gaseous release***
242	***13+61.5***	***13+63***	***55-7***	***55***	***52***	***82.5***	***6,078.0***	***9/3/97***		***8/18/97***		***Left in place for new alignment***
243	***13+63***	***13+64.5***	***55-1***	***55***	***52***	***82.5***	***6,160.5***	***9/3/97***		***8/18/97***		***Left in place for new alignment***
244	***13+64.5***	***13+66***	***55-4***	***55***	***52***	***82.5***	***6,243.0***	***9/4/97***		***8/18/97***		***Left in place for new alignment***
245	***13+66***	***13+67.5***	***55-9***	***55***	***52***	***82.5***	***6,325.5***	***9/12/97***		***9/9/97***		***Left in place for new alignment***
246	***13+67.5***	***13+69***	***55-11***	***55***	***52***	***82.5***	***6,408.0***	***9/12/97***		***9/9/97***		***Left in place for new alignment***
247	***13+69***	***13+70.5***	***55-10***	***55***	***52***	***82.5***	***6,490.5***	***9/12/97***		***9/9/97***		***Left in place for new alignment***
248			50-6	50	50	75.0	6,565.5	11/11/97	11/20/97	10/31/97		Offset 0.8' east from 13+57

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
249			50-7	50	51	75.0	6,640.5	11/11/97	11/20/97	10/31/97		Offset 2.3' east from 13+57
250			50-8	50	51	75.0	6,715.5	11/11/97	11/20/97	10/31/97		Offset 3.8' east from 13+57
251			50-9	50	51	75.0	6,790.5	11/11/97	11/20/97	10/31/97		Offset 5.3' east from 13+57
252			50-10	50	51	75.0	6,865.5	11/11/97	11/20/97	10/31/97		Offset 6.8' east from 13+57
253			50-11	50	51	75.0	6,940.5	11/11/97	11/20/97	10/31/97		Offset 8.5' east from 13+57
254			C-50-2	55	53	82.5	7,023.0	11/11/97	11/20/97	10/31/97		Offset 9.8' east from 13+57
255	13+57.8	13+59.3	50-12	50	51	75.0	7,098.0	11/11/97	11/20/97	10/31/97		Offset 10.6' east of alignment
256	13+59.3	13+60.8	55-8	55	56	82.5	7,180.5	11/11/97	11/20/97	10/31/97		Offset 10.6' east of alignment
257	13+60.8	13+62.3	55-2	55	56	82.5	7,263.0	11/12/97	11/20/97	10/31/97		Offset 10.6' east of alignment
258	13+62.3	13+63.8	55-15	55	56	82.5	7,345.5	11/12/97	11/20/97	10/31/97		Offset 10.6' east of alignment
259	13+63.8	13+65.3	55-12	55	56	82.5	7,428.0	11/12/97	11/20/97	10/31/97		Offset 10.6' east of alignment
260	13+65.3	13+66.8	55-3	55	56	82.5	7,510.5	11/12/97	11/20/97	10/31/97		Offset 10.6' east of alignment
261	13+66.8	13+68.3	55-13	55	56	82.5	7,593.0	11/13/97	11/20/97	10/31/97		Offset 10.6' east of alignment
262	13+68.3	13+69.8	55-11	55	56	82.5	7,675.5	11/13/97	11/20/97	10/31/97		Offset 10.6' east of alignment
263	13+69.8	13+71.3	50-6A	50	51	75.0	7,750.5	11/17/97	11/20/97	10/31/97		Offset 10.6' east of alignment
264	13+71.3	13+72.8	50-13A	50	51	75.0	7,825.5	11/17/97	11/20/97	10/31/97		Offset 10.6' east of alignment
265	13+72.8	13+74.3	50-7A	50	51	75.0	7,900.5	11/17/97	11/20/97	10/31/97		Offset 10.6' east of alignment
266	13+74.3	13+75.8	50-14A	50	51	75.0	7,975.5	11/17/97	11/20/97	10/31/97		Offset 10.6' east of alignment
267	13+75.8	13+77.6	50-15A	50	50	75.0	8,050.5	11/17/97	11/20/97	10/31/97		Inverted, Offset 10.6' east of alignment
268	13+77.6	13+79.1	50-8A	50	51	75.0	8,125.5	11/17/97	11/20/97	10/31/97		Offset 10.6' east of alignment
269	13+79.1	13+80.6	50-16A	50	51	75.0	8,200.5	11/17/97	11/20/97	10/31/97		Offset 10.6' east of alignment

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
270	13+80.6	13+82.4	50-17A	50	52	75.0	8,275.5	11/17/97	11/20/97	10/31/97		Inverted, Offset 10.6' east of alignment
271	13+82.4	13+83.9	50-1	50	50	75.0	8,350.5	11/18/97	11/20/97	10/31/97		Offset 10.6' east of alignment
272	13+83.9	13+85.4	50-2	50	50	75.0	8,425.5	11/18/97	11/20/97	10/31/97		Offset 10.6' east of alignment
273	13+85.4	13+86.9	50-3	50	51	75.0	8,500.5	11/18/97	11/20/97	10/31/97		Offset 10.6' east of alignment
274	13+86.9	13+88.7	50-5	50	51	75.0	8,575.5	11/20/97	11/20/97	10/31/97		Offset 10.6' east of alignment
275	13+88.7	13+90.2	50-4	50	51	75.0	8,650.5	11/20/97	11/20/97	10/31/97		Offset 10.6' east of alignment
276	13+90.2	13+91.7	45-2	45	46	67.5	8,718.0	11/20/97	11/20/97	10/31/97		Offset 10.6' east of alignment
277	13+91.7	13+93.2	45-10	45	46	67.5	8,785.5	11/20/97	11/20/97	10/31/97		Offset 10.6' east of alignment
278	13+93.2	13+94.7	45-11	45	46	67.5	8,853.0	11/20/97	11/20/97	10/31/97		Offset 10.6' east of alignment
279	13+94.7	13+96.2	45-3	45	46	67.5	8,920.5	11/20/97	11/20/97	10/31/97		Offset 10.6' east of alignment
280	13+96.2	13+97.7	45-13	45	46	67.5	8,988.0	11/20/97	11/20/97	10/31/97		Offset 10.6' east of alignment
281	13+97.7	13+99.2	45-12	45	46	67.5	9,055.5	11/20/97	11/24/97	10/31/97		Offset 10.6' east of alignment
282	13+99.2	14+00.7	45-14	45	46	67.5	9,123.0	11/20/97	11/24/97	10/31/97		Offset 10.6' east of alignment
283	14+00.7	14+02	35-1	35	36	52.5	9,175.5	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
284	14+02	14+03.3	35-2	35	36	52.5	9,228.0	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
285	14+03.3	14+04.6	35-3	35	36	52.5	9,280.5	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
286	14+04.6	14+05.9	35-4	35	36	52.5	9,333.0	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
287	14+05.9	14+07.2	35-5	35	36	52.5	9,385.5	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
288	14+07.2	14+08.5	35-6	35	36	52.5	9,438.0	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
289	14+08.5	14+09.8	35-7	35	36	52.5	9,490.5	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
290	14+09.8	14+11.1	35-8	35	36	52.5	9,543.0	11/21/97	11/24/97	11/5/97		Angling back to designed alignment

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
291	14+11.1	14+12.4	35-9	35	36	52.5	9,595.5	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
292	14+12.4	14+13.7	35-10	35	36	52.5	9,648.0	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
293	14+13.7	14+15	35-11	35	36	52.5	9,700.5	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
294	14+15	14+16.3	35-12	35	36	52.5	9,753.0	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
295	14+16.3	14+17.6	35-13	35	36	52.5	9,805.5	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
296	14+17.6	14+19	35-14	35	36	52.5	9,858.0	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
297	14+19	14+20.4	35-15	35	39	52.5	9,910.5	11/21/97	11/24/97	11/5/97		Piles dropped due to void
298	14+20.4	14+21.8	35-16	35	39	52.5	9,963.0	11/21/97	11/24/97	11/5/97		Piles dropped due to void
299	14+21.8	14+23.2	35-17	35	36	52.5	10,015.5	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
300	14+23.2	14+24.6	35-18	35	36	52.5	10,068.0	11/21/97	11/24/97	11/5/97		Angling back to designed alignment
301	14+24.6	14+26	35-19	35	36	52.5	10,120.5	11/21/97	11/25/97	11/5/97		Angling back to designed alignment
302	14+26	14+27.6	35-20	35	36	52.5	10,173.0	11/21/97	11/25/97	11/5/97		Inverted
303	14+27.6	14+29	35-21	35	36	52.5	10,225.5	11/24/97	11/25/97	11/5/97		Angling back to designed alignment
304	14+29	14+30.6	35-22	35	36	52.5	10,278.0	11/24/97	11/25/97	11/5/97		Inverted
305	14+30.6	14+32	35-23	35	36	52.5	10,330.5	11/24/97	11/25/97	11/5/97		Angling back to designed alignment
306	14+32	14+33.4	35-24	35	36	52.5	10,383.0	11/24/97	11/25/97	11/5/97		Angling back to designed alignment
307	14+33.4	14+34.8	35-25	35	36	52.5	10,435.5	11/24/97	11/25/97	11/5/97		Angling back to designed alignment
308	14+34.8	14+36.2	35-26	35	36	52.5	10,488.0	11/24/97	11/25/97	11/5/97		Angling back to designed alignment
309	14+36.2	14+37.6	35-30	35	36	52.5	10,540.5	11/24/97	11/25/97	11/5/97		Angling back to designed alignment
310	14+37.6	14+39	35-35	35	36	52.5	10,593.0	11/24/97	11/25/97	11/5/97		Angling back to designed alignment
311	14+39	14+40.5	35-36	35	36	52.5	10,645.5	11/24/97	11/25/97	11/5/97		Back to designed alignment

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
312	14+40.5	14+42	35-37	35	36	52.5	10,698.0	11/24/97	11/25/97	11/5/97		
313	14+42	14+43.5	35-38	35	36	52.5	10,750.5	11/24/97	11/25/97	11/5/97		
314	14+43.5	14+45	35-39	35	36	52.5	10,803.0	11/24/97	11/25/97	11/5/97		
315	14+45	14+46.5	35-40	35	36	52.5	10,855.5	11/24/97	11/25/97	11/5/97		
316	14+46.5	14+48	35-41	35	36	52.5	10,908.0	11/24/97	11/25/97	11/5/97		
317	14+48	14+49.5	35-42	35	36	52.5	10,960.5	11/24/97	11/25/97	11/5/97		
318	14+49.5	14+51	35-43	35	36	52.5	11,013.0	11/24/97	11/25/97	11/5/97		
319	14+51	14+52.5	35-44	35	36	52.5	11,065.5	11/24/97	11/25/97	11/5/97		
320	14+52.5	14+54	35-45	35	36	52.5	11,118.0	11/25/97	11/25/97	11/5/97		
321	14+54	14+55.5	35-46	35	36	52.5	11,170.5	11/25/97	11/25/97	11/5/97		
322	14+55.5	14+57	35-47	35	36	52.5	11,223.0	11/25/97	11/25/97	11/5/97		
323	14+57	14+58.5	30-1	30	31	45.0	11,268.0	11/25/97	11/25/97	11/5/97		
324	14+58.5	14+60	30-2	30	31	45.0	11,313.0	11/25/97	11/25/97	11/5/97		
325	14+60	14+61.5	30-3	30	31	45.0	11,358.0	11/25/97	11/25/97	11/5/97		
326	14+61.5	14+63	30-4	30	31	45.0	11,403.0	11/25/97	11/25/97	11/5/97		
327	14+63	14+64.5	30-5	30	31	45.0	11,448.0	11/25/97	11/25/97	11/5/97		
328	14+64.5	14+66	30-6	30	31	45.0	11,493.0	11/25/97	11/25/97	11/5/97		
329	14+66	14+67.5	30-7	30	31	45.0	11,538.0	11/25/97	11/25/97	11/5/97		
330	14+67.5	14+69	30-8	30	31	45.0	11,583.0	11/25/97	11/25/97	11/5/97		
331	14+69	14+70.5	30-9	30	31	45.0	11,628.0	11/25/97	11/25/97	11/5/97		
332	14+70.5	14+72	30-10	30	31	45.0	11,673.0	11/25/97	11/25/97	11/5/97		

Seg. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka App. Date	Interlocks Welded	Comments
333	14+72	14+73.5	30-11	30	31	45.0	11,718.0	11/25/97	11/25/97	11/5/97		
334	14+73.5	14+75	30-12	30	31	45.0	11,763.0	11/25/97	11/25/97	11/5/97		
335	14+75	14+76.5	30-13	30	31	45.0	11,808.0	11/25/97	11/25/97	11/5/97		
336	14+76.5	14+78	30-14	30	31	45.0	11,853.0	11/25/97	11/25/97	11/5/97		
337	14+78	14+79.5	30-15	30	31	45.0	11,898.0	11/25/97	11/25/97	11/5/97		
338	14+79.5	14+81	30-16	30	31	45.0	11,943.0	11/25/97	11/25/97	11/5/97		
339	14+81	14+82.5	30-17	30	31	45.0	11,988.0	11/25/97	11/25/97	11/5/97		
340	14+82.5	14+84	30-18	30	31	45.0	12,033.0	11/25/97	11/25/97	11/5/97		
341	14+84	14+85.5	30-19	30	31	45.0	12,078.0	11/25/97	12/1/97	11/5/97		
342	14+85.5	14+87	30-20	30	31	45.0	12,123.0	12/1/97	12/1/97	11/5/97		
343	14+87	14+88.5	30-21	30	31	45.0	12,168.0	12/1/97	12/1/97	11/5/97		
344	14+88.5	14+90	30-22	30	31	45.0	12,213.0	12/1/97	12/1/97	11/5/97		
345	14+90	14+91.5	30-23	30	31	45.0	12,258.0	12/1/97	12/1/97	11/5/97		
346	14+91.5	14+93	30-24	30	31	45.0	12,303.0	12/1/97	12/1/97	11/5/97		
347	14+93	14+94.5	30-25	30	31	45.0	12,348.0	12/1/97	12/1/97	11/5/97		
348	14+94.5	14+96	30-26	30	31	45.0	12,393.0	12/1/97	12/1/97	11/5/97		
349	14+96	14+97.5	30-27	30	31	45.0	12,438.0	12/1/97	12/1/97	11/5/97		
350	14+97.5	14+99	30-28	30	31	45.0	12,483.0	12/1/97	12/1/97	11/5/97		
351	14+99	15+00.5	30-29	30	31	45.0	12,528.0	12/1/97	12/1/97	11/5/97		
352	15+00.5	15+02	30-30	30	31	45.0	12,573.0	12/1/97	12/1/97	11/5/97		
353	15+02	15+03.5	30-31	30	31	45.0	12,618.0	12/1/97	12/1/97	11/5/97		

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Applied Date	Interlocks Welded	Comments
354	15+03.5	15+05	30-32	30	31	45.0	12,663.0	12/1/97	12/1/97	11/5/97		
355	15+05	15+06.5	30-33	30	31	45.0	12,708.0	12/1/97	12/1/97	11/5/97		
356	15+06.5	15+08	30-34	30	31	45.0	12,753.0	12/1/97	12/1/97	11/5/97		
357	15+08	15+09.5	30-35	30	31	45.0	12,798.0	12/1/97	12/1/97	11/5/97		
358	15+09.5	15+11	30-36	30	31	45.0	12,843.0	12/1/97	12/1/97	11/5/97		
359	15+11	15+12.5	30-37	30	31	45.0	12,888.0	12/1/97	12/1/97	11/5/97		
360	15+12.5	15+14	30-38	30	31	45.0	12,933.0	12/1/97	12/1/97	11/5/97		
361	15+14	15+15.5	30-39	30	31	45.0	12,978.0	12/1/97	12/1/97	11/5/97		
362	15+15.5	15+17	30-40	30	31	45.0	13,023.0	12/1/97	12/1/97	11/5/97		
363	15+17	15+18.5	30-41	35	36	52.5	13,075.5	12/1/97	12/2/97	11/5/97		
364	15+18.5	15+20	30-42	35	36	52.5	13,128.0	12/1/97	12/2/97	11/5/97		
365	15+20	15+21.5	25-1	25	26	37.5	13,165.5	12/2/97	12/2/97	11/5/97		
366	15+21.5	15+23	25-2	25	26	37.5	13,203.0	12/2/97	12/2/97	11/5/97		
367	15+23	15+24.5	25-3	25	26	37.5	13,240.5	12/2/97	12/2/97	11/5/97		
368	15+24.5	15+26	25-4	25	26	37.5	13,278.0	12/2/97	12/2/97	11/5/97		
369	15+26	15+27.5	25-5	25	26	37.5	13,315.5	12/2/97	12/2/97	11/5/97		
370	15+27.5	15+29	25-6	25	26	37.5	13,353.0	12/2/97	12/2/97	11/5/97		
371	15+29	15+30.5	25-7	25	26	37.5	13,390.5	12/2/97	12/2/97	11/5/97		
372	15+30.5	15+32	25-8	25	26	37.5	13,428.0	12/2/97	12/2/97	11/5/97		
373	15+32	15+33.5	25-9	25	26	37.5	13,465.5	12/2/97	12/2/97	11/5/97		
374	15+33.5	15+35	25-10	25	26	37.5	13,503.0	12/2/97	12/2/97	11/5/97		

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cum. Depth Area (sf)	Start Date	Finish Date	Adeka App Date	Interlocks Welded	Comments
375	15+35	15+36.5	25-11	25	26	37.5	13,5[illegible]	12/[illegible]	12/[illegible]	11/[illegible]		
376	15+36.5	15+38	25-12	25	26	37.5	13,57[illegible]	12/[illegible]	12/[illegible]	11/[illegible]		
377	15+38	15+39.5	25-13	25	26	37.5	13,61[illegible]	12/[illegible]/97	12/[illegible]	11/[illegible]		
378	15+39.5	15+41	20-1	20	21	30.0	13,645.[illegible]	12/[illegible]/97	12/[illegible]	11/[illegible]		
379	15+41	15+42.5	20-2	20	21	30.0	13,675.5	12/[illegible]/97	12/3/[illegible]	11/[illegible]/97		
380	15+42.5	15+44	20-3	20	21	30.0	13,705.5	12/2/97	12/3/97	11/[illegible]/97		
381	15+44	15+45.5	20-4	20	21	30.0	13,735.5	12/2/97	12/3/97	11/[illegible]/97		
382	15+45.5	15+47	20-5	20	21	30.0	13,765.5	12/2/97	12/3/97	11/[illegible]/97		
383	15+47	15+48.5	20-6	20	21	30.0	13,795.5	12/2/97	12/3/97	11/[illegible]/97		
384	15+48.5	15+50	20-7	20	21	30.0	13,825.5	12/2/97	12/3/97	11/[illegible]/97		
385	15+50	15+51.5	20-8	20	21	30.0	13,855.5	12/2/97	12/3/97	11/[illegible]/97		
386	15+51.5	15+53	20-9	20	21	30.0	13,885.5	12/2/97	12/3/97	11/5/97		
387	15+53	15+54.5	20-10	20	21	30.0	13,915.5	12/2/97	12/3/97	11/5/97		
388	15+54.5	15+56	20-11	20	21	30.0	13,945.5	12/2/97	12/3/97	11/5/97		
389	15+56	15+57.5	20-12	20	21	30.0	13,975.5	12/2/97	12/3/97	11/5/97		
390	15+57.5	15+59	20-13	20	21	30.0	14,005.5	12/2/97	12/3/97	11/5/97		
391	15+59	15+60.5	20-14	20	21	30.0	14,035.5	12/2/97	12/3/97	11/5/97		
392	15+60.5	15+62	20-15	20	21	30.0	14,065.5	12/2/97	12/3/97	11/5/97		
393	15+62	15+63.5	20-16	20	21	30.0	14,095.5	12/2/97	12/3/97	11/5/97		
394	15+63.5	15+65	20-17	20	21	30.0	14,125.5	12/2/97	12/3/97	11/5/97		
395	15+65	15+66.5	20-18	20	21	30.0	14,155.5	12/2/97	12/3/97	11/5/97		

Seq. No.	Start Sta	End Sta	Sheet No	Sheet Length (ft)	Depth (ft)	Area (sf)	Cum. Lift Area (sf)	Start Date	Finish Date	Adek. Jpg Date	Interlocks Welded	Comments
396	15+68.5	15+68	20-19	20	26	30.0	14,[illegible]	12/3/97	12/3/97	11/5/97		
397	15+68	15+69.5	20-20	20	26	30.0	14,[illegible]	12/3/97	12/3/97	11/5/97		
398	15+69.5	15+71	25-14	25	26	37.5	14,[illegible]	12/3/97	12/3/97	11/5/97		
399	15+71	15+72.5	25-15	25	26	37.5	14,[illegible]	12/3/97	12/3/97	11/5/97		
400	15+72.5	15+74	25-16	25	26	37.5	14,[illegible]	12/3/97	12/3/97	11/5/97		
401	15+74	15+75.5	25-17	25	26	37.5	14,366.[illegible]	12/3/97	12/3/97	11/5/97		
402	15+75.5	15+77	25-18	25	26	37.5	14,403.0	12/3/97	12/3/97	11/5/97		
403	15+77	15+78.5	25-19	25	26	37.5	14,440.5	12/3/97	12/3/97	11/5/97		
404	15+78.5	15+80	25-20	25	26	37.5	14,478.0	12/3/97	12/3/97	11/5/97		
405	15+80	15+81.5	25-21	25	26	37.5	14,515.5	12/3/97	12/3/97	11/5/97		
406	15+81.5	15+83	25-22	25	26	37.5	14,553.0	12/3/97	12/3/97	11/5/97		
407	15+83	15+84.5	25-23	25	26	37.5	14,590.5	12/3/97	12/3/97	11/5/97		
408	15+84.5	15+86	25-24	25	26	37.5	14,628.0	12/3/97	12/3/97	11/5/97		
409	15+86	15+87.5	25-32	25	26	37.5	14,665.5	12/3/97	12/3/97	11/5/97		
410	15+87.5	15+89	25-33	25	26	37.5	14,703.0	12/3/97	12/3/97	11/5/97		
411	15+89	15+90.5	25-34	25	26	37.5	14,740.5	12/3/97	12/3/97	11/5/97		
412	15+90.5	15+92	25-35	25	26	37.5	14,778.0	12/3/97	12/3/97	11/5/97		
413	15+92	15+93.5	25-36	25	26	37.5	14,815.5	12/3/97	12/3/97	11/5/97		
414	15+93.5	15+95	25-37	25	26	37.5	14,853.0	12/3/97	12/3/97	11/5/97		
415	15+95	15+96.5	25-38	25	26	37.5	14,890.5	12/3/97	12/3/97	11/5/97		
416	15+96.5	15+98	25-39	25	26	37.5	14,928.0	12/3/97	12/3/97	11/5/97		

Seq. No.	Start STA	End STA	Sheet No.	Sheet Length (ft)	Depth (ft)	Area (sf)	Cumulative Area (sf)	Start Date	Finish Date	Adeka Appl. Date	Interlocks Welded	Comments
417	15+98	15+99.5	25-40	25	26	37.5	14,965.5	12/3/97	12/3/97	11/5/97		
418	15+99.5	16+01	25-41	25	26	37.5	15,003.0	12/3/97	12/3/97	11/5/97		
419	16+01	16+02.5	25-42	25	26	37.5	15,040.5	12/3/97	12/3/97	11/5/97		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft | Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 1
Station: 10 + 13.5
Adeka Applied: 8/12/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1104 1107	8/15/97
10		
13	1215 1215	8/15/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 2
Station: 10+15.0
Adeka Applied: 8/12/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1115	1116	8/15/97
13 – 15	1215	1215	8/15/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft | RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 3
Station: 104 K6.5
Adeka Applied: 8/12/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1119	1218	PROBLEMS W/HAMMER 8/15/97
10			
13	0925	0925	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 4
Station: 10+18
Adeka Applied: 8/12/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	0930	0932	8/21/97
10			
13	0800	0800	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 5
Station: 10+19.5
Adeka Applied: 8/12/97 1400

Sheet Type/Orientation: PZ-27 Normal Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
8 — 10	0939 0940	8/21/97	35		
13 — 15	0800 0800	8/22/97	40		
20			45		
25			50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-6
Station: 10+10.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1045	1047	8/15/97
10			
13	1208	1208	8/15/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft \ Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 7
Station: 10+10.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1045	1047	8/15/97
13 – 15	1208	1208	8/15/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - S
Station: 10+12
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
5 – 10	~~1056~~ 0910	~~1059~~ 0912	8/15/97
13 – 15	~~1208~~ 1150	~~1208~~ 1150	8/15/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-9
Station: 10+01.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
3			OBSTRUCTION
5			
8	0919	0928	8/15/97
10			
13	1150	1150	8/15/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 10
Station: 10+03
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10	1010	1016	8/15/97
10 – 15	1155	1155	8/15/97
15 – 20			
20 – 25			

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 11
Station: 10+04.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1020	1025	8/15/97
10			
13	1155	1155	8/15/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 12
Station: 10+06
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1030	1031	8/15/97
10			
13	1200	1201	8/15/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 13
Station: 10+07.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1034	1037	8/15/97
13 – 15	1205	1205	8/15/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 14
Station: 10+09
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1041	1041	8/15/97
10			
13	1205	1205	8/15/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft | Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 15
Station: 10+ 22.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1008 1009	8/21/97
10		
13	0801 0802	8/22/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 16
Station: 10+25.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
			Problem w/Hammer
8	1019	1032	8/21/97
10			
13	0802	0802	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 17
Station: 10+28.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1104	4006	8/21/97
10			
13	0803	0803	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Frank Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 18
Station: 10+31.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1115 1116	Problem w/ Hammer 8/21/97
10		
13	0804 0804	8/22/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 19
Station: 10+34.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1141	1142	8/21/97
13 – 15	0805	0805	8/22/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 20
Station: 10+37.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1156	1204	8/21/97
13 – 15	0806	0806	8/22/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft | RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 21
Station: 10+40.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1310	1312	8/21/97
10			
13	0807	0807	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 215 LINK BELT

Sheet No: 12 - 22
Station: 10+43.5
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1321	1322	8/21/97
10			
13	0309	0309	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 23
Station: 10+45
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
5	1325	1325	8/21/97
10			
13	0810	0810	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 24
Station:
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1329 1331	8/21/97
13 – 15	0811 0811	8/22/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: _____

Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size:
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 25
Station:
Adeka Applied:

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 26
Station: 11 + 87.5
Adeka Applied: 8/25/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1427	1429	8/26/97
13 – 15	0720	0723	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 27
Station: 11+86
Adeka Applied: 8/25/97 1330

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1423	1425	8/26/97
10			
13	0720	0723	8/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft | RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 28
Station: 10+21
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	0947	0948	8/21/97
10			
13	0800	0800	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 29
Station: 10+24
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1015	1016	8/21/97
10			
13	0802	0802	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 30
Station: 10+27
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1039	1100	8/21/97
10			
13	0803	0803	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 31
Station: 10+30
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1109	1111	8/21/97
13 – 15	0804	0804	8/22/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft | Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 32
Station: 10+33
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1136	1137	8/21/97
13 – 15	0805	0805	8/22/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 33
Station: 10+36
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1147	1150	8/21/97
10			
13	0806	0806	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 34
Station: 10+39
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1300	1301	8/21/97
10			
13	0807	0807	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 35
Station: 10+42
Adeka Applied: 8/13/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1316	1317	8/21/97
13 – 15	0809	0809	8/22/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 36
Station: 10+48
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1345	1345	8/21/97
10			
13	0710	0712	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 219 LINK BELT

Sheet No: 12 - 37
Station: 11+84.5
Adeka Applied: 8/25/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1416	1418	8/26/97
10			
13	0758	0759	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 38
Station: 11+81.5
Adeka Applied: 8/25/97 1330

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1405	1406	8/26/97
10			
13	0744	0745	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 39
Station: 10+49.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1350	1351	8/21/97
13 – 15	0710	0712	8/25/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 40
Station: 10+51
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
		PROBLEM w/ HAMMER
5	1357 1405	8/21/97
10		
13	0713 0713	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 41
Station: 10+64.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1133	1133	8/22/97
10			
13	0742	0743	8/23/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 42
Station: 10+61.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1122 1124	8/22/97
10		
13	0740 0741	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 43
Station: 10+60
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1116	1117	8/22/97
10			
13	0740	0741	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 44
Station: 10+55.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
6			SMALL OBSTRUCTION
8	0947	0948	8/22/97
10			
13	0720	0729	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 45
Station: 10+52.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	0925	0932	8/22/97
10			
13	0714	0714	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 46
Station: 16+54
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	0936	0942	8/22/97
13 – 15	0720	0728	8/25/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft | Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 47
Station: 10+57
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1040	1041	8/22/97
13 – 15	0732	0735	8/25/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 48
Station: 10+58.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1047	1052	8/22/97
10			
13	0732	0735	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 49
Station: 10+63
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1128	1128	8/22/97
10			
13	0742	0743	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 21B LINK BELT

Sheet No: 12 - 50
Station: 10+66
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1140	1140	8/22/97
10			
13	0744	0745	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 51
Station: 10+67.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1146	1146	
10			
13	0744	0745	
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft | Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-52
Station: 10+70.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1154	1154	8/22/97
10			
13	0746	0746	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MILT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 53
Station: 10+73.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1203	1203	8/22/97
13 – 15	0747	0747	8/25/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 54
Station: 10+76.5
Adeka Applied: 9/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1247 1247	8/22/97
13 – 15	0748 0748	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-55
Station: 10+79.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1257 1257	8/22/97
10		
13	0749 0741	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 56
Station: 10+82.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	0750	0751	8/22/97
13 – 15	1306	1306	8/22/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-57
Station: 10+85.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	0752	0752	8/22/97
10			
13	1316	1316	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 58
Station: 10+88.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
9	0753	0753	8/22/97
10			
13	1345	1345	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / Rick Fulford
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-59
Station: 10+91.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	0754 0754	8/22/97
10		
13	1354 1354	8/22/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft / RICK FULFORD
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-60
Station: 10+94.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1345	1345	8/22/97
10			
13	1407	1410	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Liberty Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 61
Station: 10+99
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
6 – 10	0820 0824	8/25/97
13 – 15	1400 1401	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibrotory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-62
Station: 11+02
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10	0834	0874	8/25/97
13 – 15	1401	1401	8/25/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-63
Station: 11+05
Adeka Applied: 8/22/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10	0945	0945	8/25/97
10 – 15	1402	1403	8/25/97
15 – 20			
20 – 25			

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 64
Station: 11+00
Adeka Applied: 8/22/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	0855 0855	8/25/97
13 – 15	1404 1405	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 65
Station: 11+11
Adeka Applied: 8/22/97 0900

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	0906 0907	8/25/97
10		
13	1406 1407	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBROTORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 66
Station: 10+69
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1150 1150	8/22/97
10		
13	0746 0746	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-67
Station: 10+72
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1200 1200	8/22/97
13 – 15	0747 0747	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-68
Station: 10+75
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
8 — 10	1245 1245		35		
13 — 15	0748 0749		40		
20			45		
25			50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 69
Station: 10+78
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1252 1252	8/22/97
10		
13	0749 0749	8/23/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 70
Station: 10+81
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
6 – 10	0750	0751	8/22/97
13 – 15	1301	1301	8/22/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 12 - 71
Station: 10+84
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
3			OBSTRUCTION
5			
8	0752	0752	8/22/97
10			
13	1309	1312	8/22/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-72
Station: 10+87
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	0753 0753	8/22/97
13 – 15	1325 1325	8/22/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 12-73
Station: 10+90
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	0754	0754	8/22/97
13 – 15	1350	1351	8/22/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 74
Station: 10+93
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
7			OBSTRUCTION @ 7' BGS
8	1357	1407	8/22/97
10			
13	1245	1245	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 75
Station: 10+96
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1413 1414	8/22/97
10		
13	1356 1358	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-76
Station: 11+51.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	0912	0913	8/26/97
10			
13	0710	0710	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - Z18 LINK BELT

Sheet No: 12 - 77
Station: 11+53
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1150 1152	8/26/97
13 – 15	0714 0715	8/27/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: _____
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size:
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 78
Station:
Adeka Applied:

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-79
Station: 11+54.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1158	1159	8/26/97
13 – 15	0714	0715	8/27/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 80
Station: 11+57.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1214	1215	8/26/97
10			
13	0719	0720	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 81
Station: 11+60.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1224	1229	8/26/97
13 – 15	0724	0726	8/27/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 82
Station: 11+63.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1242	1243	8/26/97
13 – 15	0727	0728	8/27/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 83
Station: 11+66.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1251	1259	8/26/97
13 – 15	0730	0732	8/27/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-84
Station: 11+69.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1313	1315	8/26/97
13 – 15	0733	0734	8/27/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 85
Station: 11+72.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1324	1325	8/26/97
13 – 15	0736	0737	8/27/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 86
Station: 11+75.5
Adeka Applied: 8/13/97 1400

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1333 1334	8/26/97
10		
13	0738 0740	8/27/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 87
Station: 11+95
Adeka Applied: 8/13/97 1430

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
9	0919	0919	8/27/97
10			
13	0732	0733	8/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 88
Station: 11+98
Adeka Applied: 8/13/97 1430

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	0941	0942	8/27/97
13 – 15	0734	0735	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 89
Station: 12+01
Adeka Applied: 8/13/97 1430

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	0957 0958	8/27/97
10		
13	0735 0735	8/28/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-90
Station: 12+04
Adeka Applied: 8/13/97 1430

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1009	1008	8/27/97
10			
13	0736	0736	8/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-91
Station: 12+07
Adeka Applied: 8/13/97 1430

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1019	1020	8/27/97
13 – 15	0738	0739	8/20/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb | L Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-92
Station: 12+10
Adeka Applied: 8/13/97 1430

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0–5			
8–10	1633	1038	8/27/97
13–15	0739	0739	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25–30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINE BELT

Sheet No: 12 - 93
Station: 12+13
Adeka Applied: 8/13/97 1430

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1046	1047	8/27/97
10			
13	0740	0740	8/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 94
Station: 11+56
Adeka Applied: 8/10/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1203 1207	8/26/97
10		
13	0719 0720	8/27/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-95
Station: 11+59
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1219 1223	8/26/97
10		
13	0724 0726	8/27/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-96
Station: 11+62
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1234	1237	8/26/97
10			
13	0727	0728	8/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-97
Station: 1465
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1247	1247	8/26/97
10			
13	0730	0732	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 98
Station: 11+68
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1305	1306	8/26/97
13 – 15	0733	0734	8/27/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-99
Station: 11+71
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1319	1320	8/26/97
10			
13	0736	0737	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 100
Station: 11+74
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1329	1330	8/26/97
10			
13	0738	0740	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 101
Station: 11+77
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10	1336 1339	8/26/97
13 – 15	0742 0742	8/27/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-102
Station: 11+80
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1356	1400	8/26/97
13 – 15	0744	0755	8/27/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 103
Station: 11+83
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1411	1412	8/26/97
10			
13	0758	0759	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-104
Station: 11+96.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	0931 0937	8/27/97
10		
13	0732 0733	8/28/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-105
Station: 11+99.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	0947	0951	8/27/97
13 – 15	0734	0735	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 106
Station: 12+2.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1002 1003	8/27/97
13 – 15	0735 0735	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 107
Station: 12+5.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1011	1012	8/27/97
13 – 15	0736	0736	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Lewis

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-108
Station: 12+8.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1026	1026	8/27/97
10			
13	0738	0738	8/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 109
Station: 12 + 11.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1641	1041	8/27/97
13 – 15	0739	0739	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 110
Station: 12+14.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 Normal Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1054	1055	8/27/97
13 – 15	0740	0740	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 111
Station: 12+17.5
Adeka Applied: 8/8/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10	1114	1115	8/27/97
10 – 15	0740	0741	8/28/97
15 – 20			
20 – 25			

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 112
Station: 12+16
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1110	1110	8/27/97
10			
13	0740	0741	8/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-113
Station: 12+19
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10	1123 1124	8/27/97
10 – 15	0741 0741	8/28/97
15 – 20		
20 – 25		

Depth (ft)	Time / Blows	Notes
25 – 30		
30 – 35		
35 – 40		
40 – 45		
45 – 50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 114
Station: 12+20.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1132	1134	8/27/97
13 – 15	0741	0741	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 115
Station: 12+22
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 Normal / Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1143	1143	8/27/97
13 – 15	0742	0742	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 1V6
Station: 12+25.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
10	1147 1147	8/27/97
13	0742 0742	8/28/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane – 218 Link Belt

Sheet No: 12 - 117
Station: 12+26.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
6 – 10	1335	1335	8/27/97
13 – 15	0743	0743	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 118
Station: 12+29.5
Adeka Applied: 8/10/97 0700

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
9 – 10	1346 1346	8/27/97
13 – 15	0743 0744	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 119
Station: 12+32.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 Normal Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10	1355 1356	8/27/97
13 – 15	0745 0745	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 120
Station: 12+35.5
Adeka Applied: 8/18/97 0700

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1410 1410	9/27/97
13 – 15	0747 0747	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 6/27/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 121
Station: 12+38.5
Adeka Applied: 6/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
6	1421	1421	6/27/97
10			
13	0749	0749	6/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 122
Station: 12+41.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1429 1430	8/27/97
13 – 15	1055 1055	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-123
Station: 12+44.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	0822 0823	8/28/97
13 – 15	1100 1106	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane -218 Link Belt

Sheet No: 12 - 124
Station: 12+25
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1153 1154	8/27/97
13 – 15	0743 0743	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-125
Station: 12+28
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1339 1340	8/27/97
10		
13	0743 0744	8/28/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

DO-0060

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb | L. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 126
Station: 12+31
Adeka Applied: 8/8/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1350 1350	8/27/97
10		
13	0745 0745	8/28/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 127
Station: 12+34
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1401	1402	8/27/97
13 – 15	0747	0747	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 128
Station: 12+37
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1417 1418	8/27/97
10		
13	0749 0749	8/28/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster V/Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 129
Station: 12+40
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1424 1425	8/27/97
10		
13	1055 1055	8/28/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FESTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 130
Station: 12+43
Adeka Applied: 0715 6/18/97

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
6 – 10	0817	0818	8/28/97
13 – 15	1100	1100	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FESTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 131
Station: 12+46
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
9	0831	0832	8/28/97
10			
13	1102	1103	8/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane – 218 Link Belt

Sheet No: 12 - 132
Station: 12+47.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	0834 0834	8/28/97
13 – 15	1102 1103	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 133
Station: 12+49
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	0940	0841	8/28/97
10			
13	1104	1105	8/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 134
Station: 11+24.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		OBSTRUCTION @ 5' BGS
5 – 10	1046 1048	8/25/97
13 – 15	1413 1413	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 135
Station: 11+27.5
Adeka Applied: 8/10/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
6	1100 1101	8/25/97
10		
13	1414 1414	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 136
Station: 11+30.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1234 1234	8/25/97
10		
13	1416 1417	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 137
Station: 14 33.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1242 1244	8/25/97
13 – 15	1418 1419	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 138
Station: 11+36.5
Adeka Applied: 9/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1250	1256	8/25/97
13 – 15	1420	1421	8/25/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 139
Station: 11+ 39.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1306 1307	8/25/97
13 – 15	0702 0705	8/27/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 12 - 140
Station: 11+42.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1434	1442	OBSTRUCTION @6' BGS 8/25/97
13 – 15	0705	0705	8/27/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 141
Station: 11+45.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			Obstruction @5' BGS
8	0748	0752	8/26/97
10			
13	0707	0707	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 12 - 142
Station: 1148.5
Adeka Applied: 8/8/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	0849 0854	8/26/97
13 – 15	0709 0709	8/27/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12-143
Station: 11+50
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	0858 0900	8/26/97
10		
13	0710 0710	8/27/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 144
Station: 11+21.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
6 – 10	1035	1035	8/25/97
13 – 15	1412	1412	8/25/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 145
Station: 11+23
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1041 1041	8/25/97
10		
13	1413 1413	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 146
Station: 11+26
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1052	1053	8/25/97
10			
15	1414	1414	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 12-147
Station: 11+29
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1104 1106	8/25/97
13 – 15	1416 1417	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 148
Station: 11+32
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1236 1238	8/25/97
10		
13	1418 1419	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 149
Station: 11+35
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	1246 1247	8/25/97
10		
13	1420 1421	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane

Sheet No: 12 - 150
Station: 11+38
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1302	1303	8/25/97
10			
13	0702	0703	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21-Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT V/BRATORY HAMMER
Other Equipment: 85 Ton Crane – 218 LINK BELT

Sheet No: 12 - 151
Station: 11+41
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1315 1316	8/25/97
13 – 15	0705 0705	8/27/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 12 - 152
Station: 11+44
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10	0745 0746	8/26/97
13 – 15	0707 0707	8/27/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 153
Station: 11+47
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		OBSTRUCTION @ 5' BGS
9	0755 0805	8/26/97
10		
13	0709 0709	8/27/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster / Beaty Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 154
Station: 11+89
Adeka Applied: 8/25/97 1330

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1432 1432	8/26/97
13 – 15	0725 0720	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FESTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 210 LINK BELT

Sheet No: 12 - 155
Station: 11+90.5
Adeka Applied: 8/25/97 1330

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	1437 1439	8/26/97
13 – 15	0725 0728	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane

Sheet No: 12 - 156
Station: 11+92
Adeka Applied: 8/25/97 1330

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1445	1440	8/26/97
10			
13	0727	0730	8/28/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/27/97
Inspector: S. Lamb | L. LAWS

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 21E LINK BELT

Sheet No: 12 - 157
Station: N+93.5
Adeka Applied: 8/25/97 1330

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10	0846 0857	8/27/97
13 – 15	0727 0730	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/26/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 1470# Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 216 Link Belt

Sheet No: 12 - 158
Station: 11+78.5
Adeka Applied: 8/25/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1346	1348	8/26/97
10			
13	0742	0742	8/27/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-159
Station: 11+14
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	0920 0921	8/25/97
13 – 15	1408 1409	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 ~~Industrial Landfill~~
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 12 - 1600
Station: 10+97.5
Adeka Applied: 8/22/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	0950	0951	8/25/97
10			
13	1416	1411	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 1601
Station: 11+20
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0 – 5			
8 – 10	1030	1031	8/25/97
13 – 15	1412	1412	8/25/97
20			
25			

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12-162
Station: 11+03.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows		Notes
0			
5			
8	0836	0836	8/25/97
10			
13	1401	1401	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 12 - 163
Station: 11+00.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	0850 0851	8/25/97
13 – 15	1402 1403	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 12 - 164
Station: 11+09.5
Adeka Applied: 8/20/97 0715

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	0901 0901	8/25/97
10		
13	1404 1405	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane ~210 LINK BELT

Sheet No: 12 - 1C65
Station: 11+12.5
Adeka Applied: 8/15/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0 – 5		
8 – 10	0913 0914	8/25/97
13 – 15	1406 1407	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane – 218 LINK BELT

Sheet No: 12 - 1606
Station: 11+ 15.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8	0946 0947	8/25/97
10		
13	1408 1409	8/25/97
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 210 LINK BELT

Sheet No: 12 - 1C27
Station: 11+18.5
Adeka Applied: 8/12/97 0715

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 12'
Design Depth: 13'

Depth (ft)	Time / Blows	Notes
0		
5		
8 – 10	0755 0956	8/25/97
13 – 15	1410 1411	8/25/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/22/97
Inspector: S. LAMB

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: RICK FULFORD
Hammer Type and Size: 812 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 218 LINK BELT CRANE

Sheet No: 13-1
Station: ~~10+97.5~~ SU 11+00.5
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 NORMAL
Sheet Length: 13.5'
Design Depth: 14.5'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1419	1426	8/22/97
10			
1415 15	~~0800~~	0806	8/25/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. LAMB

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: RICK FULFORD
Hammer Type and Size: 812 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 218 LINK BELT 85 TON CRANE

Sheet No: 13-2
Station: ~~11+03.5~~ 11+17
Adeka Applied: 8/18/97 0715

Sheet Type/Orientation: PZ-27 NORMAL
Sheet Length: 13.5
Design Depth: 14.5

Depth (ft)	Time / Blows		Notes
0			
5			
8	0840	0841	8/25/97
10			
13	1401	1401	8/25/97
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard; D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 1
Station: 12+02
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1155	1158	8/28/97
10			
15			
16	0755	0755	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15 - 2
Station: 12+88
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
8	1314	1315	8/28/97
10			
15			
16	0800	0800	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 3
Station: 12+91
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
2.5			Small Surface Void
5			
10			
11	1335	1335	8/20/97
15			
16	0803	0803	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15 - 4
Station: 12+94
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
2.5			HIT OILY SUBSANCE SMALL VOID
5			
10			
11	1347	1412	8/28/97
15			
16	0804	0804	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15-5
Station: 12+97
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
25		Small Void
5		
10		
11	1425 1429	8/28/97
15		
16	0806 0806	8/29/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15-6
Station: 13+00
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1445	1445	8/28/97
15			
16	0807	0807	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15-7
Station: 13+03
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	0714	0716	8/29/97
15			
16	0806	0808	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 8
Station: 13+06
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	0729	0730	8/29/97
15			
16	0809	0809	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 9
Station: 13+09
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	0750	0750	8/29/97
15			
16	0833	0833	9/2/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 10
Station: 12+80.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11 ←	1146	1148	8/28/97
15			
16 ←	0754	0754	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 11
Station: 12+83.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1250	1256	8/28/97
15			
Ko	0750	0750	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15-12
Station: 12+86.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1309	1310	8/28/97
15			
16	0750	0758	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 13
Station: 12+ 89.5
Adeka Applied: 9/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
2.5			Small Surface Void
5			
10			
11	1521	1526	8/28/97
15			
16	0800	0800	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 14
Station: 12+92.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
2.5			Small Void
5			
10			
11	1341	1342	8/28/97
15			
16	0803	0803	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15 - 15
Station: 12+95.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
25		BLACK GW
5		
10		
11	1419 1421	8/28/97
15		
16	0801 0804	8/29/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 16
Station: 12+ 99.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1433	1440	8/28/97
15			
16	0806	0806	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster / Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 17
Station: 13+01.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
11	1450 1455	8/28/97
15		
16	0807 0807	8/29/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15 - 18
Station: 13+04.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	0723	0723	8/29/97
15			
16	0808	0808	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - Normal

Sheet No: 15 - 19
Station: 13+07.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
11	0736 0740	8/29/97
15		
16	0833 0833	9/2/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15-20
Station: 12+53.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
11	0856 0857	8/28/97
15		
16	1108 1109	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 21
Station: 12+ 56.5
Adeka Applied: 8/15/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	0905	0906	8/28/97
15			
16	1114	1115	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 22
Station: 12+59.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	0915	0915	8/28/97
15			
16	1116	1116	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 23
Station: 12+62.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	0924	0925	8/28/97
15			
16	1117	1117	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 24
Station: 12+ 63.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	0934	0934	8/28/97
15			
16	1118	1118	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 25
Station: 12+ 68.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
11	1006 1007	8/28/97	40		
15					
16	1120 1120	8/28/97	45		
20					
25			50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 26
Station: 12+71.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1017	1018	8/28/97
15			
16	1121	1122	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 15 - 27
Station: 12+ 74.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1027	1030	8/28/97
15			
16	1123	1123	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 28
Station: 12+77.5
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
11	1040 1041	8/28/97
15		
16	0752 0752	8/29/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15-29
Station: 12+79
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1055	1055	8/28/97
15			
16	0754	0754	8/29/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation _____

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15 - 30
Station: 12+50.5
Adeka Applied: 8/10/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
11	0846 0847	8/28/97
15		
16	1104 1105	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15 - 31
Station: 12+52
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
4 —	0850 0851	8/28/97
15		
10 —	1108 1109	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 15 - 32
Station: 12+55
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 15 - 33
Station: 12+58
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
11	0910 0911	8/28/97
15		
16	1114 1115	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15-34
Station: 12+61
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0 – 5		
10		
11 – 15	0926 0924	8/28/97
16 – 20	1116 1116	8/28/97
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane -218 Link Belt

Sheet No: 15 - 35
Station: 12+64
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	0929	0930	8/28/97
15			
16	1117	1117	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15 - 36
Station: 12+67
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
11	0950 0952	8/28/97
15		
16	1118 1118	8/28/97
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/20/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15 - 37
Station: 12+70
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1012	1012	8/20/97
15			
16	1120	1120	8/20/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 15 - 38
Station: 12+73
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1022	1023	8/28/97
15			
16	1121	1122	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/20/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 15 - 39
Station: 12+85
Adeka Applied: 8/19/97 0730

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1301	1302	8/20/97
15			
16	0759	0759	8/21/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. LAMB

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: ~~RICK FULFORD~~ LARRY TREFT
Hammer Type and Size: ~~BIG~~ FOSTER ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 218 LINK BELT 85 TON CRANE

Sheet No: 15-40
Station: 12+76
Adeka Applied: 8/18/97 0730

Sheet Type/Orientation: PZ-27 NORMAL
Sheet Length: 15'
Design Depth: 16'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
11	1035	1056	8/28/97
15			
16	1123	1123	8/28/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20 - 1
Station: 15+39.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
18	1024	1025	12/2/97
20			
21	1056	1056	12/3/97
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 210 LINK BELT

Sheet No: 20 - 2
Station: 15+40
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0–5			
5–10			
10–15			
15–20	1033	1034	12/2/97
20–25	1056	1056	12/3/97

Depth (ft)	Time / Blows		Notes
25–30			
30–35			
35–40			
40–45			
45–50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 20 - 3
Station: 15+42.5 to 15+45.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10			
10 – 15			
15 – 20 (18)	1041	1043	12/2/97
20 – 25 (21)	1055	1055	12/3/97

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -21B LINK BELT

Sheet No: 20 - 4
Station: 15+~~43~~ 44
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10		
10 – 15		
15 – 20	18 – 1048 1049	12/2/97
20 – 25	21 – 1055 1055	12/3/97

Depth (ft)	Time / Blows	Notes
25 – 30		
30 – 35		
35 – 40		
40 – 45		
45 – 50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 20 - S
Station: 15+45.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
18 – 20	1055	1055	12/2/97
21 – 25	1055	1055	12/3/97

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20 - 6
Station: 15+46.47
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10			
10 – 15			
15 – 18			
18 – 20	1102	1102	12/2/97
20 – 21			
21 – 25	1055	1055	12/3/97

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20 - 7
Station: 15+48.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10			
10 – 15			
15 – 20	1114	1115	12/2/97
20 – 25	1054	1054	12/3/97

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20 - 8
Station: 15+49.50
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
10			
15			
18 – 20	1124	1124	12/2/97
21 – 25	1054	1054	12/3/97

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20-9
Station: 15+50.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10			
10 – 15			
15 – 18			
18 – 20	1139	1139	12/2/97
20 – 21			
21 – 25	1053	1053	12/3/97

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20 - 10
Station: 15+53
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10			
10 – 15			
15 – 18			
18 – 20	1256	1257	12/2/97
20 – 21			
21 – 25	1053	1053	12/3/97

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 21" LINE BELT

Sheet No: 20 - 11
Station: 15+54.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10			
10 – 15			
15 – 18 – 20	1300	1302	12/2/97
20 – 21 – 25	1052	1052	12/3/97

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20 - 12
Station: 15+58
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
10			
15			
18 – 20	1313	1314	12/2/97
21 – 25	1052	1052	12/3/97

Depth (ft)	Time / Blows		Notes
25 – 30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20 - 13
Station: ~~15+56.5 57.5~~ 15+57.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
18 — 20	1321	1321	12/2/97
21 — 25	1051	1051	12/3/97

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20 - 14
Station: ~~15+58~~ 15+59
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
18 – 20	1327 1330	12/2/97
21 – 25	1051 1051	12/3/97

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINE BELT

Sheet No: 20 - 15
Station: 15+60.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
18	1340	1341	12/2/97
20			
21	1050	1050	12/3/97
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 24 LINK BELT

Sheet No: 20 - 16
Station: ~~15+61.5~~ 15+62
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10			
10 – 15			
15 – 18			
18 – 20	1354	1356	12/2/97
20 – 21	1050	1050	12/3/97
21 – 25			

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20 - 17
Station: 15+63.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10			
10 – 15			
15 – 20 (18)	1407	1408	12/2/97
20 – 25 (21)	1049	1049	12/3/97

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 20 - 18
Station: ~~15+64.5~~ 15+65
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
18	1417	1419	12/2/97
20			
21	1049	1049	12/3/97
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4456 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 20 - 19
Station: 15+66.5
Adeka Applied: ~~[illegible]~~ 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10		
10 – 15		
15 – 20 (18)	1424 1425	12/2/97
20 – 25 (21)	1048 1048	12/3/97

Depth (ft)	Time / Blows	Notes
25 – 30		
30 – 35		
35 – 40		
40 – 45		
45 – 50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 20 - 20
Station: 15+68 ~~15+67.5~~ (Ending 65+69.5)
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 20'
Design Depth: 21'

Depth (ft)	Time / Blows		Notes
0 – 5			
5 – 10			
10 – 15			
15 – 20 (18)	1437	1438	12/2/97
20 – 25 (21)	1048	1048	12/3/97

Depth (ft)	Time / Blows		Notes
25 – 30			
30 – 35			
35 – 40			
40 – 45			
45 – 50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY Hammer
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 1
Station: 15+20
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	0736 0742	12/2/97

Depth (ft)	Time / Blows	Notes
25 26	1000 1000	12/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -210 LINK BELT

Sheet No: 25-2
Station: 15+21.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0747 0748	12/2/97

Depth (ft)	Time / Blows	Notes
25 26	1000 1000	12/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 25 - 3
Station: 15+23
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	0757 0759	12/2/97

Depth (ft)	Time / Blows	Notes
25 26	1002 1002	12/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 219 LINK BELT

Sheet No: 25 - 4
Station: 15+ 24.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	0305 0806	12/2/97

Depth (ft)	Time / Blows	Notes
25 26	1002 1002	12/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 44So ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 5
Station: 15+26
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 – 25	0013 0814	12/2/97

Depth (ft)	Time / Blows	Notes
25 – 26	1004 1004	12/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 25 - C6
Station: 15+27.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	0824 0829	

Depth (ft)	Time / Blows	Notes
25 26	1004 1004	12/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 25 - 7
Station: 15+29
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	0851 0854	

Depth (ft)	Time / Blows	Notes
25 26	1008 1009	12/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 8
Station: 15+30.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	0906 0914	12/2/97

Depth (ft)	Time / Blows	Notes
25 26	1008 1009	12/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 25 - 9
Station: 15+32
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	0931 0932	12/2/97

Depth (ft)	Time / Blows	Notes
25 26	1011 1011	12/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 445D ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 21B LINK BELT

Sheet No: 25 - 10
Station: 15+33.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	0945 0946	12/2/97

Depth (ft)	Time / Blows	Notes
25 26	1011 1011	12/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 11
Station: 15+35
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	0953 0954	12/2/97

Depth (ft)	Time / Blows	Notes
25 26	1058 1059	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 12
Station: 15+96.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	1000 1001	12/2/97

Depth (ft)	Time / Blows	Notes
25 26	1058 1059	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 25 - 13
Station: 15+38 (Ending 15+39.5)
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	1006 1007	12/2/97

Depth (ft)	Time / Blows	Notes
25 26	1058 1059	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -219 LINK BELT

Sheet No: 25 - 14
Station: 15+69.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
23	0735 0736	12/3/97
25		

Depth (ft)	Time / Blows	Notes
25		
26	1047 1047	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25-15
Station: 15+71
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
23	0743	0743	12/3/97
25			

Depth (ft)	Time / Blows		Notes
25			
26	1047	1047	12/3/97
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 16
Station: 15+72.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
23	0743 0743	12/2/97
25		

Depth (ft)	Time / Blows	Notes
25		
26	1045 1045	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4456 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 210 LINK BELT

Sheet No: 25 - 17
Station: 15+74
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
24 25	0752 0753	12/3/97

Depth (ft)	Time / Blows	Notes
25 26	1045 1045	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25-18
Station: 15+75.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0759 0759	12/3/97

Depth (ft)	Time / Blows	Notes
25 26	1044 1044	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 19
Station: 15+77
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0806 0807	12/3/97

Depth (ft)	Time / Blows	Notes
25	~~0806~~ SL ~~0807~~	12/3/97
26	1044 1044	
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 26
Station: 15+78.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0812 0814	12/3/97

Depth (ft)	Time / Blows	Notes
25 26	SL ~~0812~~ 1043 ~~0814~~ 1043	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25-21
Station: 15+80
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0819 0820	12/3/97

Depth (ft)	Time / Blows	Notes
25		
26	~~0819~~ SL 0820 1043 1043	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 216 LINK BELT

Sheet No: 25 - 22
Station: 15+81.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0826 0829	12/3/97

Depth (ft)	Time / Blows	Notes
25 (20)	1042 1042	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 210 LINK BELT

Sheet No: 25-23
Station: 15+83
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0833 0834	12/3/97

Depth (ft)	Time / Blows	Notes
25 (26)	1042 1042	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 216 LINK BELT

Sheet No: 25 - 24
Station: 15+84.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0844 0844	12/3/97

Depth (ft)	Time / Blows	Notes
25 26	1040 1040	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 25 - 25
Station: 13+10.5
Adeka Applied: 8/10/97 0900

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
21	0940 0943	8/29/97
25		

Depth (ft)	Time / Blows	Notes
25 (26)	0835 0835	9/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb | L. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 25 - 26
Station: 13+13.5
Adeka Applied: 0900 8/18/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
21	1004 1007	8/29/97
25		

Depth (ft)	Time / Blows	Notes
25 26	0842 0845	9/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Lewis

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 27
Station: 13+16.5
Adeka Applied: 8/18/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
21	1022 1031	8/29/97
25		

Depth (ft)	Time / Blows	Notes
25 26	0842 0843	9/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 25 - 28
Station: 13+19.5
Adeka Applied: 8/18/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
21	1123	1125	8/29/97
25			

Depth (ft)	Time / Blows		Notes
25 / 26	0846	0847	9/2/97
30			
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 29
Station:
Adeka Applied: 8/18/97 0900

Sheet Type/Orientation: PZ-27/Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
21	0954 0957	
25		

Depth (ft)	Time / Blows	Notes
25		
26	0835 0935	9/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25-30
Station: 13+15
Adeka Applied: 8/18/97 0900

Sheet Type/Orientation: PZ-27/Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
21	1014 1016	8/29/97
25		

Depth (ft)	Time / Blows	Notes
25		
26	0842 0843	9/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb | L. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: EDSTEC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 25-31
Station: 13+18
Adeka Applied: 8/18/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		OBSTRUCTION
15		
20		
21	1040 1085	8/29/97
25		

Depth (ft)	Time / Blows	Notes
25 26	0846 0847	9/2/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 32
Station: 15+86
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0859 0900	12/3/97

Depth (ft)	Time / Blows	Notes
25	1040 1040	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 216 LINK BELT

Sheet No: 25 - 33
Station: 15+87.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0905 0906	12/3/97

Depth (ft)	Time / Blows	Notes
25 26	1039 1039	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 34
Station: 15+89
Adeka Applied: 4/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0913 0914	12/3/97

Depth (ft)	Time / Blows	Notes
25 ~~26~~	1039 1039	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 35
Station: 15+90.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0922 0923	12/3/97

Depth (ft)	Time / Blows	Notes
25 26	1038 1038	12/3/97
30		
35		
40		
45		
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 36
Station: 15+92
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0931 0932	12/3/97

Depth (ft)	Time / Blows	Notes
25 (26)	1030 1038	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 37
Station: 15+93.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0942 0943	12/3/97

Depth (ft)	Time / Blows	Notes
25 26	1036 1036	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25-38
Station: 15+95
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	0947 0953	12/3/97

Depth (ft)	Time / Blows	Notes
25 26	1036 1036	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25 - 39
Station: 15+96.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	1001 1002	12/3/97

Depth (ft)	Time / Blows	Notes
25 26	1035 1035	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 219 LINK BELT

Sheet No: 25 - 40
Station: 15+98
Adeka Applied: 11/3/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	1006 1007	12/3/97

Depth (ft)	Time / Blows	Notes
25	1035 1035	12/3/97
30		
35		
40		
45		
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 25-41
Station: 15+99.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Pransverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25	1017 1019	12/3/97

Depth (ft)	Time / Blows	Notes
25		
20	1027 1028	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/3/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY Hammer
Other Equipment: 85 Ton Crane – 21B LINK BELT

Sheet No: 25 - 42
Station: 16+01 (Ending 16+02.5)
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 25'
Design Depth: 26'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25 26	1026 1028	12/3/97
30		
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 2ea LINK BELT

Sheet No: 30 - 1
Station: 14+57
Adeka Applied: 11/5/97 - 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
28	1011	1012	8/25/97
30			
31	1515	1515	8/25/97
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 215 LINK BELT

Sheet No: 30 - 2
Station: 14+58.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
28	1020	1021	11/25/97
30			
31	1515	1515	11/25/97
~~33~~	~~1020~~	~~1021~~	~~11/25/97~~ 11
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 3
Station: 14+60
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
28	1031	1033	11/25/97
30			
31	1517	1517	11/25/97
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 210 LINK BELT

Sheet No: 30 - 4
Station: 14+61.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	1042 1043	11/25/97
30		
31	1517 1517	11/25/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 210 LINK BELT

Sheet No: 30 - 5
Station: 14+63
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	1052 1053	11/25/97
30		
31	1518 1519	11/25/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -28 LINK BELT

Sheet No: 30 - C6
Station: 14+64.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		UBS @ 15' BGS
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28 – 30	1100 1102	11/25/97
31 – 35	1518 1519	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 30 - 7
Station: 14+66
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28 — 30	1114 1116	11/25/97
31 — 35	1521 1521	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane – 219 LINK BELT

Sheet No: 30 - 8
Station: 14+67.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	1125 1127	11/25/97
30		
31	1521 1521	11/25/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 9
Station: 14+69
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	1125 1127	11/25/97
30		
31	1523 1524	11/25/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 10
Station: 14+70.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	1146 1150	11/25/97
30		
31	1523 1524	11/25/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 210 LINK BELT

Sheet No: 30 - 11
Station: 14+72
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
28	1201	1203	11/25/97
30			
31	1528	1530	11/25/97
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 12
Station: 14+73.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
28	1317	1322	11/25/97
30			
31	1528	1530	11/25/97
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 30 - 13
Station: 14+75
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
26	1330	1332	11/25/97
30			
31	1531	1531	11/25/97
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 14
Station: 14+76.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
29	1341 1342	11/25/97
30		
31	1531 1531	11/25/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 15
Station: 14+78
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		OBSTRUCTION 15-17' BGS
20		
25		

Depth (ft)	Time / Blows	Notes
25		
29	1359 1404	11/25/97
30		
31	1533 1537	11/25/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 30 - 16
Station: 14+79.5
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
29	1416	1420	11/25/97
30			
31	1533	1533	11/25/97
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 216 LINK BELT

Sheet No: 30 - 17
Station: 14+81
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
29	1427 1429	11/25/97
30		
31	1538 1540	11/25/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 18
Station: 14+82.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
29	1437 1440	11/25/97
30		
31	1538 1540	11/25/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 30 - 19
Station: 14+84
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	1507 1508	11/25/97
30		
31	0856 0856	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 215 LINK BELT

Sheet No: 30 - 20
Station: 14+ 85.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	0737 0745	12/1/97
30		
31	0956 0856	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 215 LINK BELT

Sheet No: 30 - 21
Station: 14+87
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	0755 0759	12/1/97
30		
31	0900 0900	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: ICE 4450 HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 216 LINK BELT

Sheet No: 30-22
Station: 14+88.5
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
29 — 30	0905 0800	12/1/97
31 — 35	0900 0900	12/1/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: ICE 4450 HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 23
Station: 14+90
Adeka Applied: 11/3/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	0813 0814	12/1/97
30		
31	0904 0904	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC JIB
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 30 - 24
Station: 14+91.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28 — 30	0824 0825	12/1/97
31 — 35	0904 0904	12/1/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane ~218 LINK BELT

Sheet No: 30 - 25
Station: 14+93
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
29	0831 0832	12/1/97
30		
31	0905 0905	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 215 LINK BELT

Sheet No: 30 - 26
Station: 14+94.5
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
29	0837 0839	12/1/97
30		
31	0905 0905	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 27
Station: 14+96
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
29	0845 0848	12/1/97
30		
31	1336 1336	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 28
Station: 14+97.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27/Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	0912 0913	12/1/97
30		
31	1336 1336	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 215 LINK BELT

Sheet No: 30 - 29
Station: 14+99
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	0923 0924	12/1/97
30		
31	1339 1339	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 9450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 30
Station: 15+00.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	0932 0936	12/1/97
30		
31	1339 1339	12/1/97
35		
40		
45		
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 30 - 31
Station: 15+02
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	0947 0949	12/1/97
30		
31	1340 1340	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 30 - 32
Station: 15+03.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28 – 30	0959 1000	12/1/97
31 – 35	1310 1340	12/1/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 216 LINK BELT

Sheet No: 30 - 33
Station: 15+05
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28 — 30	1009 1012	12/1/97
31 — 35	1342 1342	12/1/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 215 LINK BELT

Sheet No: 30 - 34
Station: 15+06.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28 — 30	1023 1024	12/1/97
31 — 35	1342 1342	12/1/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 35
Station: 15+08
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
28	1035	1036	12/1/97
30			
31	1344	1344	12/1/97
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 36
Station: 15+09.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	1045 1047	12/1/97
30		
31	1344 1344	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 30 - 37
Station: 15+11
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 ~~Normal~~/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
29	1106 1107	12/1/97
30		
31	1345 1345	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 38
Station: 15+12.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
28	1231	1232	12/1/97
30			
31	1345	1345	12/1/97
35			
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 219 LINK BELT

Sheet No: 30 - 39
Station: 15+14
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15	1243	1248	OBSTRUCTION
20			
25			

Depth (ft)	Time / Blows		Notes
25			
28 – 30	1248	1251	12/1/97
31 – 35	1347	1347	12/1/97
40			
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 2 CLINK BELT

Sheet No: 30 - 40
Station: 15+15.5
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 30'
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
28	1257 1259	12/1/97
30		
31	1347 1347	12/1/97
35		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 30 - 41
Station: 15+17
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: ~~30~~ 35
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33 – 35	1309 1314	12/1/97
36 – 40	1009 1009	12/2/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 12/1/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 30 - 42
Station: 15+18.5 (Ending 15+20)
Adeka Applied: 11/5/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: ~~30'~~ 35
Design Depth: 31'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1332 1334	12/1/97
35		
36	1009 1009	12/2/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 1
Station: 14+00.7
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
34 35	0844 0845	11/21/97
36 40	1422 1422	11/24/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -215 LINK BELT

Sheet No: 35-2
Station: 14+02
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
34 35	0852 0854	11/21/97
36 40	1422 1422	11/24/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 3
Station: 14+03.3
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		OBSTRUCTION 10-14' BGS
15		↓
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
34 – 35	0859	0905	11/21/97
36 – 40	1425	1425	11/24/97
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane

Sheet No: 35 - 4
Station: 14+04.6
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
34 35	0911	0913	11/21/97
36 40	1425	1425	11/24/97
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 5
Station: 14+05.9
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
34 — 35	0920 0921	11/21/97
36 — 40	1427 1427	11/24/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 219 LINK BELT

Sheet No: 35-6
Station: 14+07.2
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
34 35	0920 0921	11/21/97
36	1427 1427	11/24/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 210 LINK BELT

Sheet No: 35 - 7
Station: 14+08.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
34 — 35	0939 0941	11/21/97
36 — 40	1429 1429	11/24/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 35 - 8
Station: 14+09.8
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
34 — 35	0940	0940	11/21/97
36 — 40	1429	1429	11/24/97
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 216 LINK BELT

Sheet No: 35 - 9
Station: 14+11.1
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
34 35	0959 1000	11/21/97
36 40	1430 1430	11/24/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -268 LINK BELT

Sheet No: 35 - 10
Station: 14+12.4
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			
25			
30			
34 35	1017	1020	11/21/97
36 40	1430	1430	11/24/97
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 2 LB LINK BELT

Sheet No: 35 - 11
Station: 14+13.7
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
34 35	1026	1028	11/21/97
36 40	1431	1431	11/24/97
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 12
Station: 14+15
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
34 35	1044 1047	11/21/97
36 40	1434 1434	11/24/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 35 - 13
Station: 14+16.3
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27/Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
34 35	1059 1101	11/21/97
36 40	1434 1434	11/24/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 35 - 14
Station: 14+17.6
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
34 35	1127	1128	11/21/97
36 40	1435	1435	11/24/97
45			
50			

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 15
Station: 14+19
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
34 35	1230 1230	11/21/97
36	1435 1435	11/24/97
39 40	VOID DROPPED WHEN DRIVING LOT UP ALIGNMENT	11/25/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 160
Station: 14 + 20.4
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1246 1249	11/21/97
35		
36	1438 1439	11/24/97
39	VOID DROPPED WHEN DRIVING 16' UP ALIGNMENT	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 215 LINK BELT

Sheet No: 35 - 17
Station: 14+21.8
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10		
10 – 15		
15 – 20		
20 – 25		

Depth (ft)	Time / Blows	Notes
25 – 30		
30 – 35	33 — 1255 1257	11/21/97
35 – 40	36 — 1440 1443	11/24/97
40 – 45		
45 – 50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 35 - 18
Station: 14+23.2
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33 — 35	1302 1304	11/21/97
36 — 40	1440 1443	11/24/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 19
Station: 14+24.6
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33 – 35	1310 1314	11/21/97
36 – 40	0930 0930	11/25/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/21/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 20
Station: 14+26
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		DAMAGED 1' OF TOP OF PILE WHEN DRIVING
5		
10		
15		OBSTRUCTION
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1408 1418	11/21/97
35		
36	0930 0930	11/25/97
40		
45		
50		

* DROVE PILE TWICE - 1ST DRIVE FAILED @ 15' BGS
- INVERTED SECOND DRIVE - DAMAGED PORTION NOW AT TIP

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 VCE VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 21
Station: 14+27.00
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0 – 5		
7 – 10		OBSTRUCTION
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25 – 30		
33 – 35	0835 0845	11/24/97
36 – 40	0933 0933	11/25/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -215 LINK BELT

Sheet No: 35 - 22
Station: 14+29
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	0926 0932	11/24/97
35		
36	0933 0933	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 23
Station: 14+30.6
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		PROBLEMS w/ WHIP LINE SLOWED DRIVING
33 35	0952 1020	11/24/97
36 40	0934 0935	11/25/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 24
Station: 14+32
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1047 1048	11/24/97
35		
36	0934 0935	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 35 - 25
Station: 14+33.4
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1054 1058	11/24/97
35		
36	0939 0940	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 26
Station: 14+34.8
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1105 1107	11/24/97
35		
36	0937 0937	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 35 - 27
Station: 13+22.5
Adeka Applied: 8/18/97 0800 → Damaged
8/22/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
31	1145 1147	8/29/97
35		
36	0849 0850	9/2/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 210 Link Belt

Sheet No: 35 - 28
Station: 13+25.5
Adeka Applied: 8/18/97 0800 - damaged
8/22/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
31	1252 1256	8/29/97
35		
36	0851 0852	9/2/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb | L. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 28 Link Belt

Sheet No: 35 - 29
Station: 13+29.5
Adeka Applied: 8/18/97 0800 - Damaged
8/22/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
31	1312 1313	8/29/97
35		
36	0853 0854	9/2/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 30
Station: 14+ 36.2
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33 – 35	1115 1116	11/24/97
36 – 40	0939 0940	11/25/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane -218 Link Belt

Sheet No: 35 - 31
Station: 13+21
Adeka Applied: 8/18/97 0800 Damaged
8/22/97 0900

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
31	1137 1139	8/29/97
35		
36	0849 0850	9/2/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 35 - 32
Station: 13+24
Adeka Applied: 8/18/97 0800 Damaged
8/22/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
31	1156 1158	8/29/97
35		
36	0817 0852	9/2/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/20/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 35 - 33
Station: 13+27
Adeka Applied: 8/15/97 0800 Damaged
8/22/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
31	1302 1304	8/20/97
35		
36	0853 0857	9/2/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 8/28/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 35 - 34
Station: 13+30
Adeka Applied: 8/18/97 0800 Damaged
8/22/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10		
10 – 15		
15 – 20		
20 – 25		

Depth (ft)	Time / Blows	Notes
25 – 30		
30 – 35	1323 1325	8/28/97
35 – 40	1323 1338	9/2/97
40 – 45		
45 – 50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 35 - 35
Station: 14+37.16
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1130 1133	11/24/97
35		
36	0939 0939	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 36
Station: 14+39
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33 – 35	1249 1250	11/24/97
36 – 40	0941 0941	11/25/97
45		
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 37
Station: 14+40.5
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1258 1300	11/24/97
35		
36	0941 0941	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 35 - 38
Station: 14+42
Adeka Applied: 11/3/97 1300

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33 – 35	1312 1314	11/24/97
36 – 40	0942 0943	11/25/97
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 35 - 39
Station: 14+43.5
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1324 1326	SC ~~33~~ 11/24/97
35		
~~36~~	0942 0943	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -216 LINK BELT

Sheet No: 35 - 40
Station: 14+45
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1331 1332	11/24/97
35		
36	0946 0947	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -2ea LINK BELT

Sheet No: 35 - 41
Station: 14+46.5
Adeka Applied: 11/5/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1340 1341	11/24/97
35		
36	0946 0947	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 35 - 42
Station: 14+48
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10		
10 – 15		
15 – 20		
20 – 25		

Depth (ft)	Time / Blows	Notes
25 – 30		
30 – 35	33 — 1347 1348	11/24/97
35 – 40	36 — 0949 0949	11/25/97
40 – 45		
45 – 50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 28 LINK BELT

Sheet No: 35 - 43
Station: 14+49.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0 – 5		
5 – 10		
10 – 15		
15 – 20		
20 – 25		

Depth (ft)	Time / Blows	Notes
25 – 30		
30 – 35 (33)	1400 1403	11/24/97
35 – 40 (36)	0949 0949	11/25/97
40 – 45		
45 – 50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/24/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 35 - 44
Station: 14+51
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	1417 1418	11/24/97
35		
36	0951 0951	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11\25\97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -2 LB LINK BELT

Sheet No: 35 - 45
Station: 14+52.5
Adeka Applied: 11\5\97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	0900 0902	11/25/97
35		
36	0951 0951	11/25/97
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 2 LINK BELT

Sheet No: 35 - 46
Station: 14+54
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	0912 0914	11/25/97
35		
36		
40		
45		
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/25/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -216 LINK BELT

Sheet No: 35 - 47
Station: 14+55.5
Adeka Applied: 11/5/97 1300

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 35'
Design Depth: 36'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
33	0922 0925	11/25/97
35		
40		
45		
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb / L. Lawrs

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: MKT ~~V-50~~ Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 45 - 1
Station: 13+33
Adeka Applied: 8/18/97 0815

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
41	1441	1444	8/22/97
45			
46	0859	0903	9/2/97
50			

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/20/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 45 - 2
Station: 13+90.2
Adeka Applied: 10/31/97 @ 1100

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
43 – 45	1110	1111	~~[illegible]~~ 11/20/97
46 – 50	1350	1352	11/20/97

FORMED PAIR w/ 45-10

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/20/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 41450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 45 - 3
Station: 13+94.7
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
43 – 45	1134	1139	11/20/97
46 – 50	1350	1352	

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 8/29/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: V-58 MKT Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 45 - 4
Station: 13+31.5
Adeka Applied: 8/18/97 0815

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows	Notes
0		
2		Obstruction!
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
41	1414 1431	8/29/97
45		
46	0859 0903	9/2/97
50		

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size:
Other Equipment: 85 Ton Crane - Z18 LINK BELT

Sheet No: 45 - 5
Station: 13+34.5
Adeka Applied: 8/18/97 0815

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40	0719 0723	9/2/97
45		
46	0904 0908	9/2/97
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size:
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 45-60
Station: 13+37.5
Adeka Applied: 8/18/97 0815

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40	0753 0756	9/2/97
45		
46	1122 1123	9/2/97
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size:
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 45 - 7
Station: 13+36
Adeka Applied: 8/18/97 0815

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40	0732 0742	9/2/97
45		
46	0904 0908	9/2/97
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size:
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 45 - 8
Station: 13+39
Adeka Applied: 8/18/97 0815

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40	0806 0809	9/2/97
45		
46	1122 1123	9/2/97
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size:
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 45 - 9
Station: 13+40.5
Adeka Applied: 8/18/97 0815

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40	0827 0833	9/2/97
45		
46	1124 1135	9/2/97
50		

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/20/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane

Sheet No: 45 - 10
Station: 13+91.7
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
43	1110	1111	11/20/97
45			
46	1359	1402	11/20/97
50			

FORMED PAIR w/ 45-2

DO 6590

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/20/97

Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill

Project Number: 767497

Piling Contractor: Wagner Construction

Contractor Superintendant: Larry Treft

Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER

Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 45 - 11

Station: 13+93.2

Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 (Normal) Transverse

Sheet Length: 45'

Design Depth: 46'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
43	1122	1127	11/20/97
45			
46	1359	1402	11/20/97
50			

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/20/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: ~~[illegible]~~ 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 45 - 12
Station: 13+97.7
Adeka Applied: 10/31/97

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			
30			
35			
40			
43	1318	1321	11/20/97
45			
46	1421	1421	11/24/97
50			

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/20/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane

Sheet No: 45 - 13
Station: 13+96.2
Adeka Applied: 10/31/97

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
43 – 45	1255	1258	11/20/97
46 – 50	1350	1352	11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/20/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 45 - 14
Station: 13+99.2
Adeka Applied: 10/31/97 1400

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 45'
Design Depth: 46'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
43	1330	1340	11/20/97
45			
46	1421	1421	11/24/97
50			

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/18/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 50 - 1
Station: 13 + 82.4
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows		Notes	
0				
5	1134	1138	OBSTRUCTION	11/18/97
10				
15				
20				
25				

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
47	1138	[illegible]	11/18/97
50			
51	1445	1500	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/19/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 50 - 2
Station: 13+83.9
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
18	0842	0848	OBSTRUCTION 11/19/97
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
47	1005	1050	11/19/97
50	1413	1417	11/20/97

DC-0060

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/18/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 3
Station: 13+85.4
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		OBSTRUCTION 5-20' BGS
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
47	1520	1530	11/18/97
50			
51	1413	1417	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/20/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 4
Station: 13+88.7
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
48	1010	1015	11/20/97
50			
51	1410	1411	11/20/97

FORMED PAIR w/ 50-5

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/20/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 5
Station: 13+86.9
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
48	1010 1015	11/20/97
50		
51	1410 1411	11/20/97

FORMED PAIR w/ 50-4

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/11/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 50 - 60
Station: OFFSET 0.8 E FROM 13+57
Adeka Applied: 10/31/97 0800

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
47	0945 0948	11/11/97
50	1531 1532	11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/18/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 50 - C6A
Station: 13+71.3 (OFFSET 16.6' E)
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30	0752	OBSTRUCTION 30-40' BGS
35		
40	0802	
45		
47	0802 0816	11/17/97
50		
51	1435 1437	11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/11/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 50 - 7
Station: 13+59 (OFFSET 2.3' E)
Adeka Applied: 10/31/97 0800

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
47	1006	1012	11/11/97
50			
51	1531	1532	11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/17/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 7A
Station: 13+72.0 (OFFSET 10.6' E from AUXIL.)
Adeka Applied: 10/31/97 0800

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
47	0830	0841	11/17/97
50			
51	1430	1431	11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/11/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: B12 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 8
Station: 13+59 (OFFSET 3.8' E)
Adeka Applied: 10/31/97 0800

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
47	1022	1038	11/11/97
50			
51	1526	1530	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/17/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 50-8A
Station: 13+77.6 (OFFSET 106'E FROM ALIGNMENT)
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			47	1115 1127	11/17/97
			50		
			51	1425 1427	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/11/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 HYDRAULIC VIBRATORY HAMMER ICE
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 9
Station: 13+59 (OFFSET 5.3' E)
Adeka Applied: 10/31/97 0800

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
47	1216 1218	11/11/97
50		
51	1526 1530	11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/11/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50-10
Station: 13+57 (OFFSET 6.8'E)
Adeka Applied: 10/31/97 0900

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
47	1235	1239	11/11/97
50			
51	1520	1522	11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/11/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 11
Station: 13+57 (OFFSET 8.5' E)
Adeka Applied: 10/31/97 0800

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
47	1257	1300	11/11/97
50			
51	1520	1522	11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/11/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 KE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 12
Station: 13+57.8 (OFFSET 10.6'E FROM DESIGN)
Adeka Applied: 10/31/97 0800

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
47	1337	1347	11/11/97
50			
51	1515	1518	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: ~~S. Lamb~~

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 13
Station: 13+42
Adeka Applied: 8/16/97 0830

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45	0931 0938	9/2/97
50		
51	1124 1135	9/2/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/17/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 50 - 13 A
Station: 13+71.3 (OFFSET 10.6' E FROM DESIGN)
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			47	0826 0829	11/17/97
			50		
			51	1435 1437	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER VIBRATORY HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 50 - 14
Station: 13+45
Adeka Applied: 8/18/97 0830

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45	1027	1035	9/2/97
			POSSIBLE OBST.
50			
51	1139	1145	9/2/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/17/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 718 LINK BELT

Sheet No: 50 - 14 A
Station: 13+74.3 (OFFSET 10.6' E FROM DESIGN)
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35	0852	0903	SLOW DRIVING
40			
45			
47	0903	0944	11/17/97
50			
51	1430	1431	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER ; 4450 ICE HAMMER
Other Equipment: 85 Ton Crane -218 LINK BELT

Sheet No: 50 - 15
Station: 13+48
Adeka Applied: 8/18/97 0830

Sheet Type/Orientation: PZ-27 (Normal)/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45	1155 1207	9/2/97
50		
51	1537 1540	11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER: 4450 ICE HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 160
Station: 13+51
Adeka Applied: 8/18/97 0830

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45	1402 1420	9/2/97
50		

52 1535 1536 11/20/97

DO-0060

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/3/97
Inspector: S. Lamo | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER 4450 ICE HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 17
Station: 13+55.5
Adeka Applied: 8/18/97 0830

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45	0843 0850	9/3/97
50		
51	1533 1534	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/17/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER : 4450 ICE HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50-17 A
Station: 13+80.6 (OFFSET 10.6' E FROM DESIGN)
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
47	1402	1428	11/17/97
50			
52	1420	1423	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/3/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 18
Station: 13+58.5
Adeka Applied: 8/18/97

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45	1029 1037	9/3/97
25			50		

PULLED & PLACED CORNER IN LOCATION
DID NOT REUSE

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hydraulic Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 50-19
Station: 13+43.5
Adeka Applied: 8/18/97 0830

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
44 45	0954	1019	9/2/97 - Rec. OBST.
50			
51	1139	1145	9/2/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/3/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Vibratory Hydraulic Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 50 - 20
Station: 13+60
Adeka Applied: 0830

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
39 40	1107	OBSTRUCTION 39-45 ft
45	1114	
50		

WILL CUT REMAINING SECTION - PILE IS LOCATED IN AREA OF GASEOUS RELEASE'S. REALIGNED WALL

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 9/3/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 21
Station: 13+64.5
Adeka Applied: 8/18/97 0830

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20	1245 1245	- HIT GASEOUS RELEASE SHUT DOWN & WAIT FOR HSS 9/3/97
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45	1410 1418	9/3/97
50		

LEFT IN PLACE - WILL CUT REMAINING FOOTAGE - PILE LOCATED IN AREA OF GASEOUS RELEASES REALIGNED WALL AROUND PILE

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER 4450 ICE HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50-22
Station: 13+46.5
Adeka Applied: 8/18/97 0830

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			OBSTRUCTION 35-38' BGS
40			↓
45	1045	1121	9/2/97
50			
51	1537	1540	10/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/2/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER; 4450 KE HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 50 - 23
Station: 13+49.5
Adeka Applied: 8/18/97 0830

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		OBSTRUCTION 20-30 BGS
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45	1326	1352	9/2/97
50			
51	1537	1340	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/3/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster: 4450 KE Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 50 - 24
Station: 13+54
Adeka Applied: 8/18/97 0830

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		Obstruction 10 - 35' BGS
15		
20		
25		

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
45			
49 / 50	0826	0944	9/3/97
51	1535	1536	11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 9/3/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster: 4450 KE Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 50 - 25
Station: 13+57
Adeka Applied: 8/18/97 0830

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45	1012 1019	9/3/97
25			50		

52 1533 1534 11/20/97

Attachment 1
Sheetpile Driving Log

iT Corporation

Date: 9/3/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 55-1
Station: 13+64.5
Adeka Applied: 8/18/97 0900

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
49 50	1447 1452	9/3/97

LEFT IN PLACE, WILL CUT REMAINING FOOTAGE. REALIGNED WALL DUE TO GASEOUS RELEASES

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/12/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 ICE HYDRAULIC VIBRATORY Hammer | 4450 ICE
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 55-2
Station: 13+60.8 (OFFSET 10.6' E FROM DESIGN)
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows		Notes
0			
5			
10			
15			
20			
25			

Depth (ft)	Time / Blows		Notes
25			
30			
35			
40			
43	1043	1100	11/12/97
45			
50	1223	1230	11/12/97
56	1510	1512	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/12/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 & 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane – 210 LINK BELT

Sheet No: 55-3
Station: 13+65.3 (OFFSET 10.6' E. FROM DESIGN)
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			50	1454 1512	11/12/97
			56	1454 1457	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/4/97
Inspector: S. Lamb | L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: Foster Hydraulic Vibratory Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 55-4
Station: 13+66
Adeka Applied: 8/18/97 0900

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		obstruction
45		
49 – 50	0714 0736	9/4/97

Left in place - will cut remaining footage - realigned due to gaseous releases in the area

N00217.003881
HUNTERS POINT
SSIC NO. 5090.3

PAGE 55-5 & 55-6
APPENDIX D – SHEET PILE DRIVING LOGS

POST CONSTRUCTION REPORT
IR 1/21 INDUSTRIAL LANDFILL
REMOVAL ACTION

THE ABOVE IDENTIFIED PAGES ARE NOT AVAILABLE.

EXTENSIVE RESEARCH WAS PERFORMED BY SOUTHWEST DIVISION TO LOCATE THESE PAGES. THIS PAGE HAS BEEN INSERTED AS A PLACEHOLDER AND WILL BE REPLACED SHOULD THE MISSING ITEM BE LOCATED.

QUESTIONS MAY BE DIRECTED TO:

DIANE C. SILVA
RECORDS MANAGEMENT SPECIALIST
SOUTHWEST
NAVAL FACILITIES ENGINEERING COMMAND
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132

TELEPHONE: (619) 532-3676

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/3/97
Inspector: S. Lamb / L. Laws

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 55-7
Station: 13+63
Adeka Applied: 8/18/97 0900

Sheet Type/Orientation: PZ-27 (Normal/Transverse)
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
49 – 50	1430 1435	9/3/97

LEFT IN PLACE DUE TO GASEOUS RELEASES IN AREA. WILL CUT REMAINING FOOTAGE.

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/12/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812; 4450 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 55-8
Station: 13+59.3 (OFFSET 10.6'E FROM DESIGN)
Adeka Applied: 10/31/97 1100

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			50	0807 0957	PROBLEMS IN DRIVING DUE TO EQUIPMENT - #1 LINE BROKE

56 1515 1518 11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 9/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 55-9
Station: 13+66
Adeka Applied: 9/9/97 1000

Sheet Type/Orientation: PZ-21 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			50	0920 0924	9/12/97

LEFT IN PLACE DUE TO GASEOUS RELEASES IN AREA. REMAINING FOOTAGE WILL BE CUT

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 9/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 55-10
Station: 13+70.5
Adeka Applied: 9/9/97 1000

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			48 – 50	0951 1030	9/15/97

LEFT IN PLACE DUE TO REALIGNMENT & GASEOUS RELEASES IN AREA.
WILL CUT REMAINING FOOTAGE

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 9/15/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: FOSTER HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 55-11
Station: 13+67.5
Adeka Applied: 9/9/97 1000

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			50	0934 0940	9/15/97

LEFT IN PLACE FOR REALIGNMENT AND GASEOUS RELEASE IN AREA
WILL CUT REMAINING FOOTAGE

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/12/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 55-12
Station: 13+57.8 (OFFSET 10.6' E. FROM DESIGN)
Adeka Applied: 10/31/97 1600

Sheet Type/Orientation: PZ-27 Normal/Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50	1434 1440	11/12/97
56	1454 1457	11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/13/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: ~~"Foster Hydraulic Vibratory Hammer~~ 812;4450 ICE Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 55-13
Station: 13+66.3 (offset 106'E from Design)
Adeka Applied: 10/31/97 1000

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			50	0754 0759	10/13/97

55 1440 1452 11/20/97

Attachment 1

Sheetpile Driving Log

IT Corporation

Date: 11/13/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 & 4450 ICE Hammer
Other Equipment: 85 Ton Crane - 218 Link Belt

Sheet No: 55-14
Station:
Adeka Applied: 10/31/97 1000

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			50	0809 0817	11/13/97

55 1440 1452 11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/12/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812; 4450 KE HYDRAULIC HAMMER
Other Equipment: 85 Ton Crane - 218 LINK BELT

Sheet No: 55-15
Station: 3+62.3 (OFFSET 10.6'E FROM DESIGN)
Adeka Applied: 10/31/97 1000

Sheet Type/Orientation: PZ-27 (Normal) Transverse
Sheet Length: 50'
Design Depth: 51'

Depth (ft)	Time / Blows	Notes	Depth (ft)	Time / Blows	Notes
0			25		
5			30		
10			35		
15			40		
20			45		
25			50	1434 1440	11/12/97

56 1454 1457 11/20/97

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/11/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 012 KE VIBRATORY HAMMER
Other Equipment: 85 Ton Crane - 216 LINK BELT

Sheet No: Corner - C-50-1
Station: 13+57
Adeka Applied: 10/31/97 0800

Sheet Type/Orientation: ~~PZ-27~~ SL Corner - RC 231
Sheet Length: 55
Design Depth: 51

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50	0932 0934	

53 0932 0934 11/11/97

Continue

Attachment 1
Sheetpile Driving Log

IT Corporation

Date: 11/11/97
Inspector: S. Lamb

Project Name: Hunters Point Shipyard, D.O. 60, Site IR-1/21 Industrial Landfill
Project Number: 767497

Piling Contractor: Wagner Construction
Contractor Superintendant: Larry Treft
Hammer Type and Size: 812 ICE HYDRAULIC VIBRATORY HAMMER
Other Equipment: 85 Ton Crane 218 LINK BELT

Sheet No: Corner - C-50-2
Station: 13+57 - OFFSET 10.6' EAST
Adeka Applied: 10/31/97 0800

Sheet Type/Orientation: ~~PZ-29~~ SL Corner RC-231
Sheet Length: 55
Design Depth: 51

Depth (ft)	Time / Blows	Notes
0		
5		
10		
15		
20		
25		

Depth (ft)	Time / Blows	Notes
25		
30		
35		
40		
45		
50		

53- 1313 1322