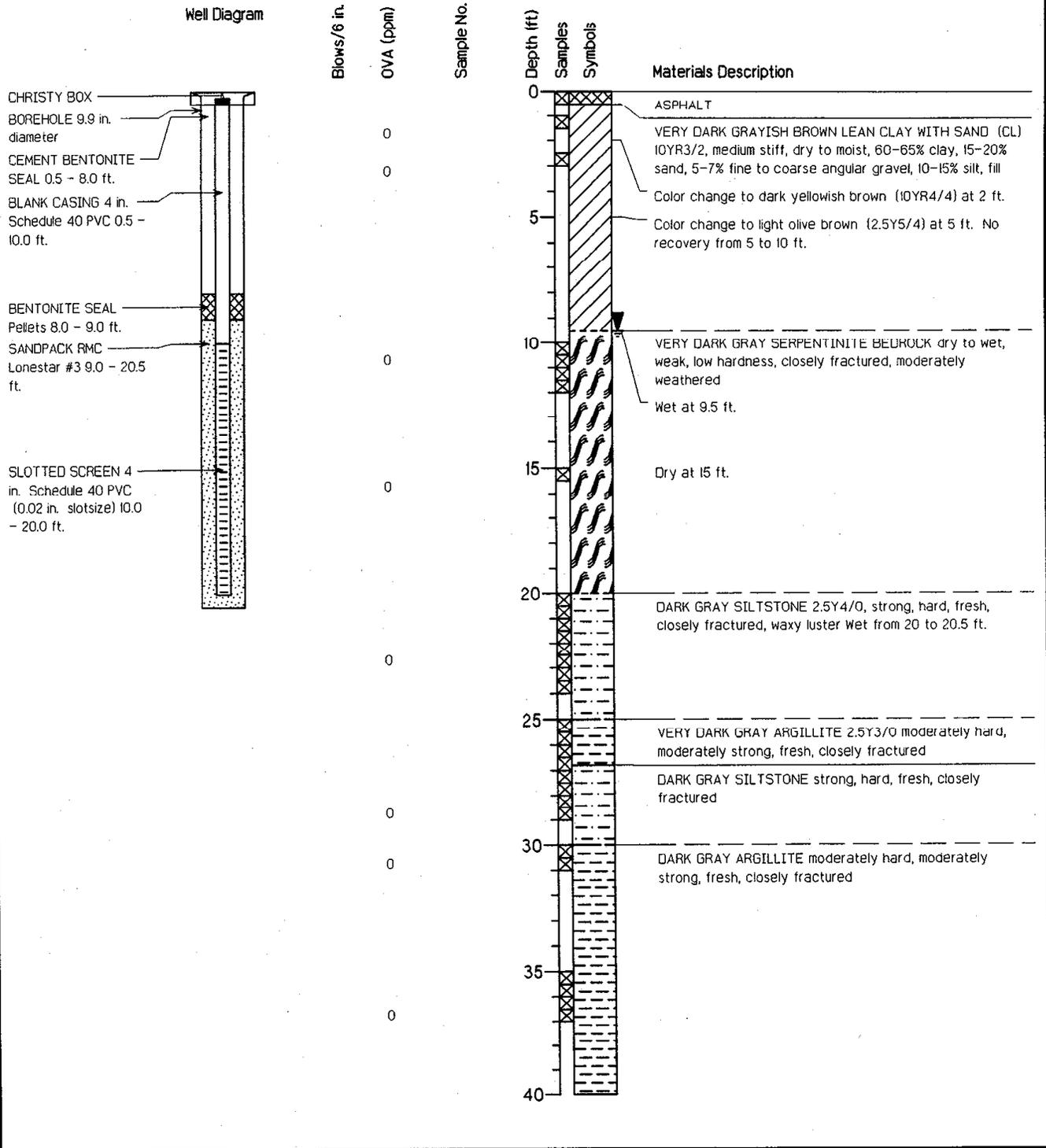
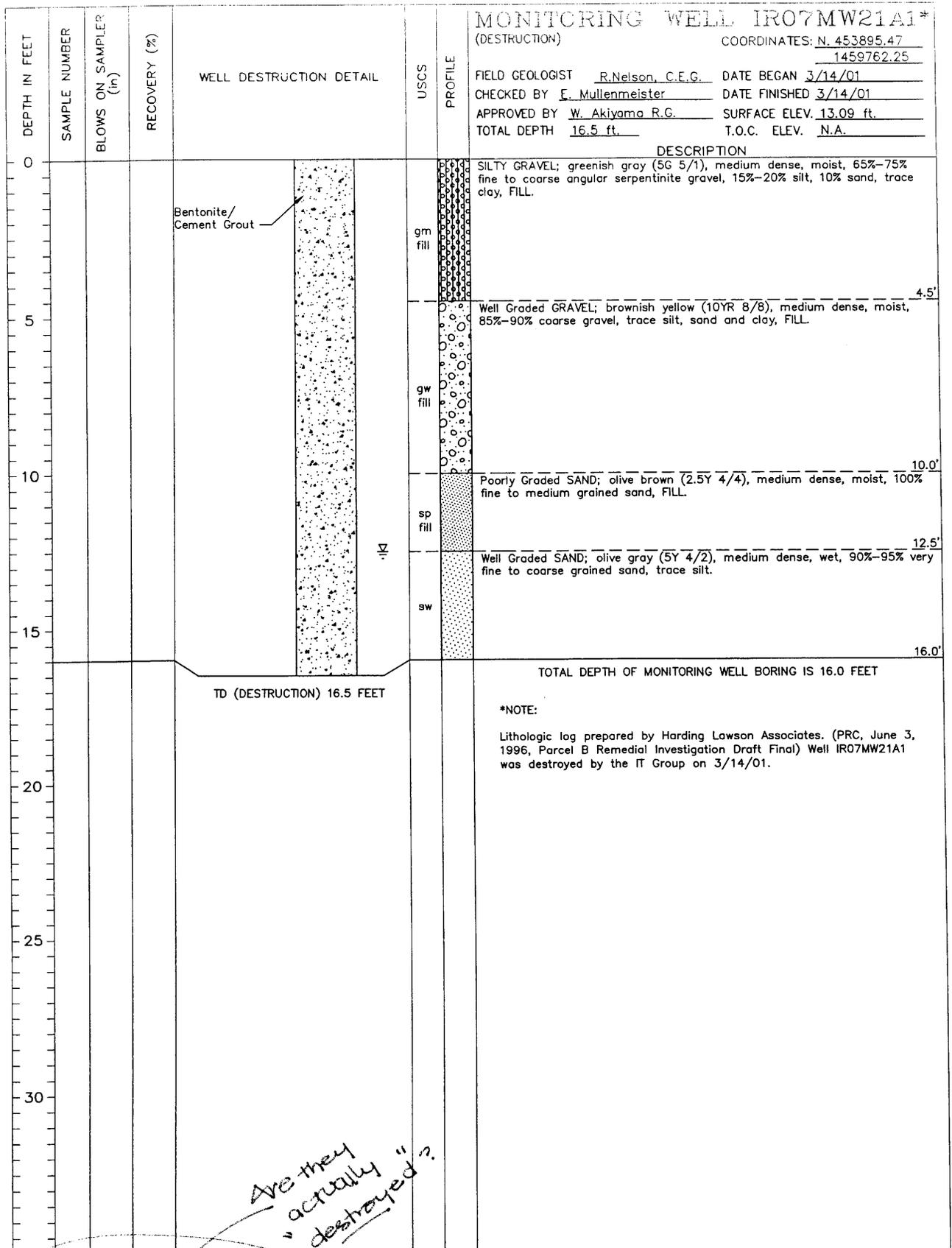


**APPENDIX B**  
**DECOMMISSIONED MONITORING WELL LOGS**

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Project Number	11400 1005	Date Drilled	10/22/1991	Figure
Project Name	Parcel B RI Report	GS Elevation	10.66 feet	
Project Task	Hunters Point Annex	Water Level	9.5 ft.	
Project Location	San Francisco, California	Total Depth Of Hole	40 ft.	
Equipment	NX CORING 9.9 in. diam.			



*Are they  
"actually"  
"destroyed"?*

35  
DESTRUCTION INFORMATION  
DRILLER : Rich Nessinger

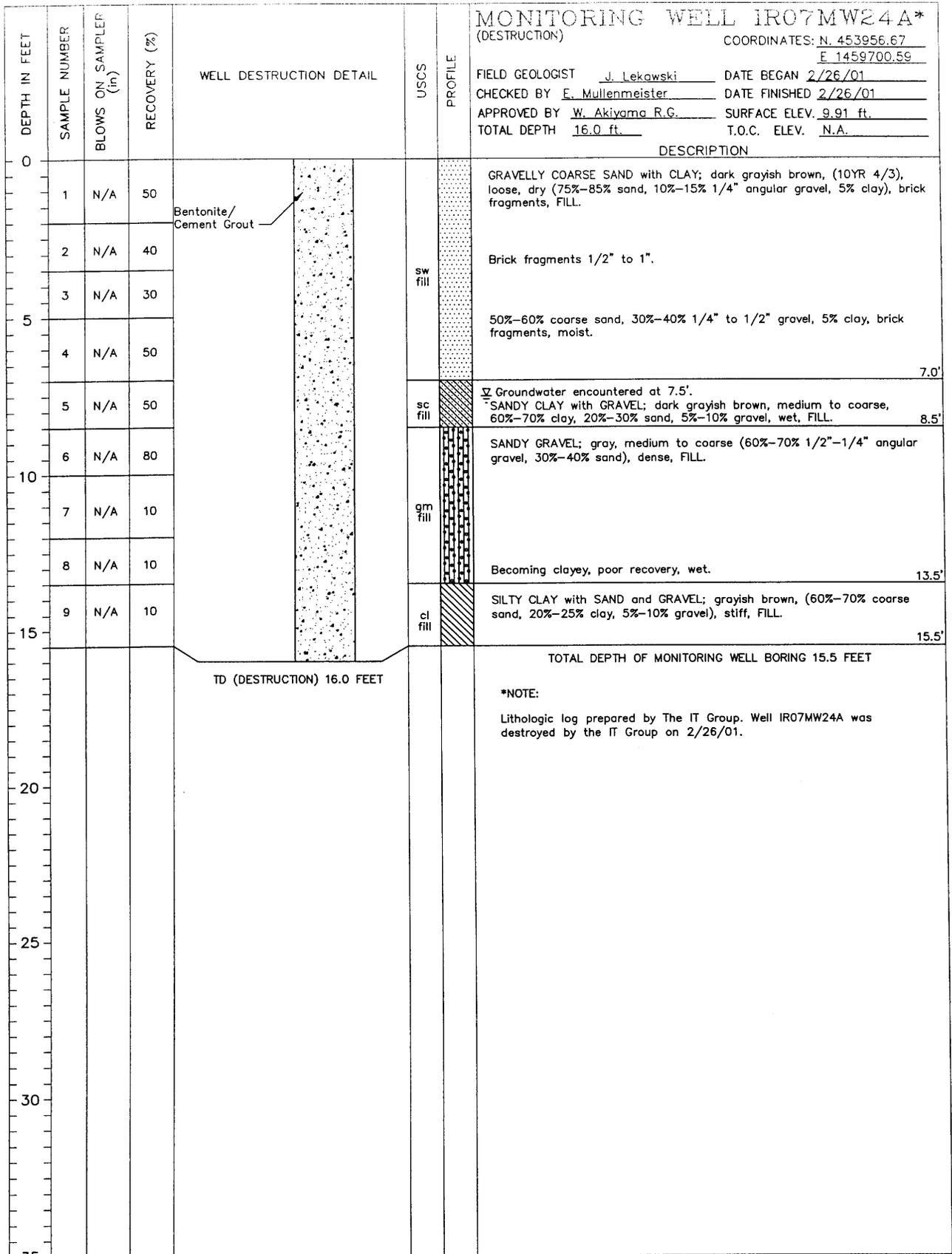
DRILLING CO. : Gregg Drilling and Testing, Inc.  
 DRILLING METHOD : Marl 5-T (Rhino) 11" O.D. Hollow Stem Auger  
 SAMPLING METHOD : N.A.  
 PROJECT NAME: Hunters Point Shipyard  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247



DRAWN BY	T.R.S.	CHECKED BY	<i>EEM 7/19/01</i>	FILE NAME & DISK NUMBER	773247-A558
DATE	5/23/01	APPROVED BY	<i>WSA 7-19-01</i>		

**MONITORING WELL IR07MW24A\***

(DESTRUCTION) COORDINATES: N. 453956.67  
 E 1459700.59  
 FIELD GEOLOGIST J. Lekowski DATE BEGAN 2/26/01  
 CHECKED BY E. Mullenmeister DATE FINISHED 2/26/01  
 APPROVED BY W. Akiyama R.G. SURFACE ELEV. 9.91 ft.  
 TOTAL DEPTH 16.0 ft. T.O.C. ELEV. N.A.



DESTRUCTION INFORMATION  
 DRILLER : Wayne Lisinski  
 DRILLING CO. : Precision Sampling, Inc.  
 DRILLING METHOD : 11" Dia. Hollow Stem Auger  
 SAMPLING METHOD : N.A.  
 PROJECT NAME: Hunters Point Shipyard  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

DRAWN BY	T.R.S.	CHECKED BY	<u>EGM 7/17/01</u>	FILE NAME &
DATE	7/6/01	APPROVED BY	<u>WJA 7-19-01</u>	DISK NUMBER 773247-A559



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**MONITORING WELL IR07MW25A\***  
(DESTRUCTION)

COORDINATES: N. 454016.43  
E. 1459635.38

FIELD GEOLOGIST A. Bolland DATE BEGAN 11/30/00  
CHECKED BY E. Mullenmeister DATE FINISHED 11/30/00  
APPROVED BY W. Akiyama, R.G. SURFACE ELEV. 8.70 ft.  
TOTAL DEPTH 15.0 ft. T.O.C. ELEV. NA

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY (%)	WELL DESTRUCTION DETAIL	USCS	PROFILE	DESCRIPTION		
0	1	N/A	25	Bentonite/ Cement Grout	ml fill		CLAYEY SILT with GRAVEL; very dark gray, (5YR 3/1), (70%-80% silt, 20% clay, 10%-15% gravel), moist, FILL.		
	2	N/A	35				3.5'		
	3	N/A	100				sp fill		SAND with SILT; yellowish brown, (10YR 5/4), (85%-95% coarse sand, 5%-10% silt), moist, dense, FILL.
5	4	N/A	0						Groundwater encountered at 6'.
	5	N/A	50						7.0'
	6	N/A	100				sw fill		GRAVELLY SAND; dark brown, (10YR 4/3), medium grained, (75%-85% coarse sand, 15%-20% gravel), gravel is angular and ~1/2", wet, dense, FILL. No gravel present.
10	7	N/A	100						3" of brick material (11'8" to 12') observed, FILL.
	NS	N/A	0	15.0'					
	NS	N/A	0						
15	8	N/A	20	Filter Pack and Bentonite/Cement Grout	sw fill		GRAVELLY SAND with CLAY; dark brown, (10YR 4/3), (70%-80% sand, 10%-15% gravel, 10% clay), gravel is 1/8", fine sand, FILL.		
	NS	N/A	0	Brick fragments.			18.5'		
20	TOTAL DEPTH 18.5 FEET							<p>*NOTE: Lithologic log prepared by IT Group on 5/3/99. Well IR07MW25A was destroyed by the IT Group on 11/30/00. The existing well casing was pulled out intact. The borehole was reamed to 15 ft bgs and grouted with 80 gal of bentonite/cement.</p>	

**DESTRUCTION INFORMATION**  
 DRILLER : Sergio Navaro  
 DRILLING CO. : Precision Sampling, Inc.  
 DRILLING METHOD : 11" Dia. Hollow Stem Auger  
 SAMPLING METHOD : NA  
 PROJECT NAME: D.O. 109  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

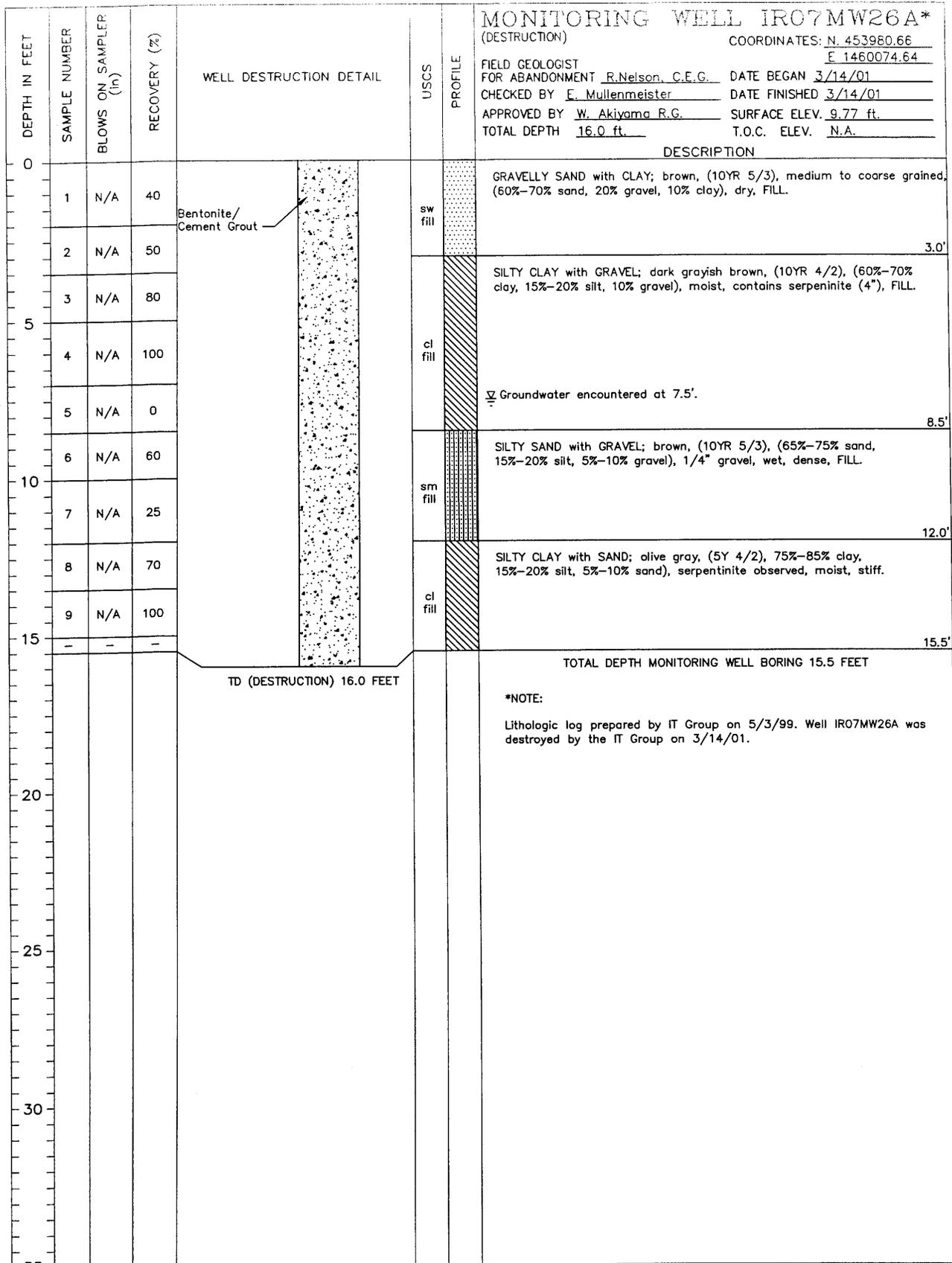
DRAWN BY	T.R.S.	CHECKED BY	<i>EEW 7/17/01</i>	FILE NAME & DISK NUMBER	HP-7MW25A dest
DATE	7/6/01	APPROVED BY	<i>WJA 7-19-01</i>		



**MONITORING WELL IRO7MW26A\***  
(DESTRUCTION)

COORDINATES: N. 453980.66  
E 1460074.64

FIELD GEOLOGIST FOR ABANDONMENT R. Nelson, C.E.G. DATE BEGAN 3/14/01  
CHECKED BY E. Mullenmeister DATE FINISHED 3/14/01  
APPROVED BY W. Akiyama R.G. SURFACE ELEV. 9.77 ft.  
TOTAL DEPTH 16.0 ft. T.O.C. ELEV. N.A.



**DESTRUCTION INFORMATION**

DRILLER : Rich Nessinger  
 DRILLING CO. : Gregg Drilling and Testing, Inc.  
 DRILLING METHOD : Marl 5-T(Rhino) 11" O.D. Hollow Stem Auger  
 SAMPLING METHOD : N.A.  
 PROJECT NAME: Hunters Point Shipyard  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

DRAWN BY	T.R.S.	CHECKED BY	<i>EEM 7/17/01</i>	FILE NAME & DISK NUMBER	773247-A560
DATE	7/6/01	APPROVED BY	<i>WGA 7-19-01</i>		

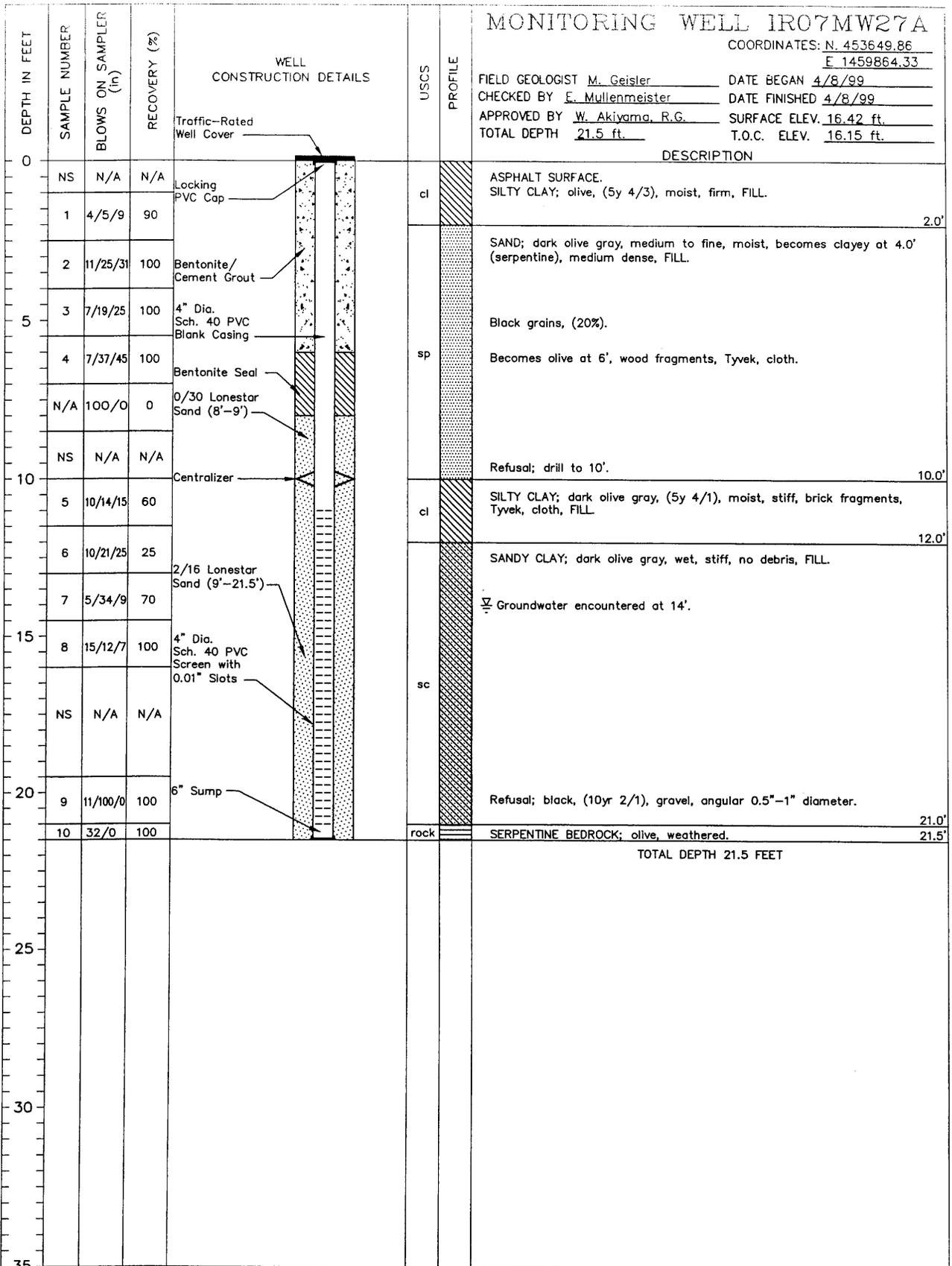


**INTERNATIONAL TECHNOLOGY CORPORATION**

# MONITORING WELL IR07MW27A

COORDINATES: N. 453649.86  
E 1459864.33

FIELD GEOLOGIST M. Geisler DATE BEGAN 4/8/99  
 CHECKED BY E. Mullenmeister DATE FINISHED 4/8/99  
 APPROVED BY W. Akiyama, R.G. SURFACE ELEV. 16.42 ft.  
 TOTAL DEPTH 21.5 ft. T.O.C. ELEV. 16.15 ft.



DRILLER : C. St. Pierre  
 DRILLING CO. : Gregg Drilling and Testing, Inc.  
 DRILLING METHOD : 8" O.D. Hollow Stem Auger, Reamed to 10" O.D.  
 SAMPLING METHOD : California Modified Split-spoon Sampler  
 PROJECT NAME: D.O. 109  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

DRAWN BY	T.R.S.	CHECKED BY	EEM 7/14/01	FILE NAME & DISK NUMBER
DATE	2/24/00	APPROVED BY	WAA 7-19-01	HP-7MW27A Rev 1

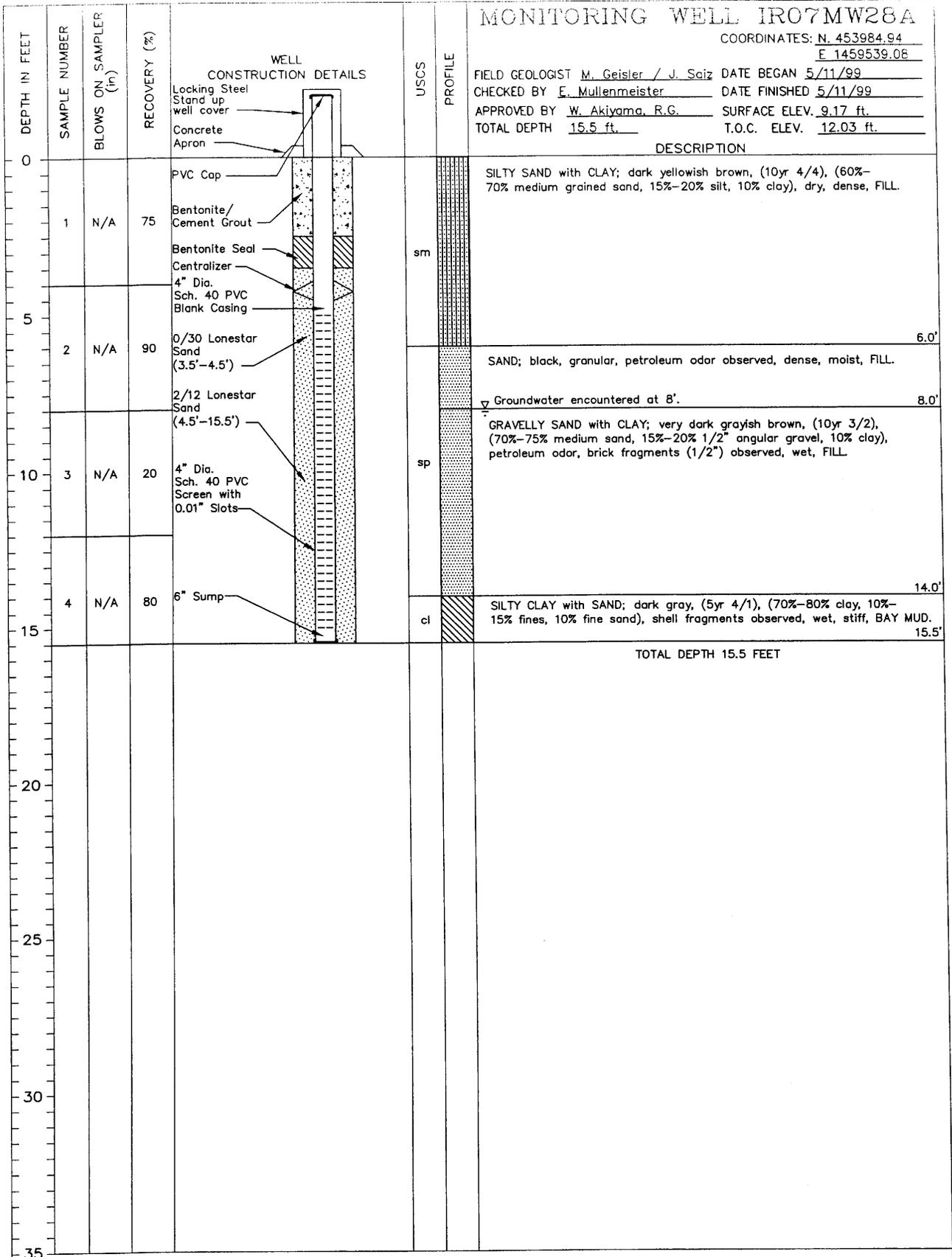


**INTERNATIONAL  
TECHNOLOGY  
CORPORATION**

# MONITORING WELL IRO7MW28A

COORDINATES: N. 453984.94  
E 1459539.08

FIELD GEOLOGIST M. Geisler / J. Soiz DATE BEGAN 5/11/99  
 CHECKED BY E. Mullenmeister DATE FINISHED 5/11/99  
 APPROVED BY W. Akiyama, R.G. SURFACE ELEV. 9.17 ft.  
 TOTAL DEPTH 15.5 ft. T.O.C. ELEV. 12.03 ft.



DRILLER : B. Deason  
 DRILLING CO. : Gregg Drilling and Testing, Inc.  
 DRILLING METHOD : 8" O.D. Hollow Stem Auger, Reamed to 10" O.D.  
 SAMPLING METHOD : Split-spoon Sampler (Push)  
 PROJECT NAME: D.O. 109  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

DRAWN BY	T.R.S.	CHECKED BY	<i>EEM 7/19/01</i>	FILE NAME & DISK NUMBER	HP-7MW28A Rev 1
DATE	2/24/00	APPROVED BY	<i>WAT 7-19-01</i>		



INTERNATIONAL  
TECHNOLOGY  
CORPORATION

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 365-02.02  
 PROJECT NAME HPNS-Painting Area  
 BY JDB DATE 9/5/86, 9/9/86

BORING NO. P01  
 PAGE 1 OF 1  
 SURFACE ELEV. \*113.41'

PHOTO-VAC (ppm)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION
							ASPHALT AND COARSE GRAVEL-FILL.
	2.5	38	v, s	1	GP		
			g, m	2	CL		GRAVELLY CLAY TO CLAYEY GRAVEL-FILL; light olive brown (2.5Y, 5/4); 35-55% low-plasticity fines; 10-20% fine to coarse sand; 35-45% fine and coarse gravel; dense to very stiff; damp.
	1.5	22	d	3			
				5	CL		@5': dark brown (10YR, 3/3); 60-75% low-plasticity fines; 10-20% fine to coarse sand; 15-30% fine and coarse gravel; stiff; damp.
		15	g	4			
	0.75	12	d, m	5			@8': light yellowish brown (2.5Y, 6/4); 65-85% low-plasticity fines; 10-20% fine to coarse sand; 5-15% fine gravel; wet.
		7	v, s	6			@8.5': 25-45% fine to coarse gravel.
	1.0	14	v, s	7			@10': 10-20% fine to coarse gravel.
	0.0	6	d	8			@11': grayish brown (2.5Y, 5/2); 80-90% moderate-plasticity fines; 10-20% fine to coarse sand; <5% fine and coarse gravel; stiff; wet.
				10			
	1.5	25		15			@19': 15-30% fine and coarse gravel; stiff; wet.
				20			BOTTOM OF BORING AT 19.5 FEET.

**REMARKS**

Drilled with 8-inch hollow-stem auger; sampled with 2-inch I.D. California modified split-spoon sampler fitted with stainless steel liners. Boring was converted to a 2-inch ground-water monitoring well as detailed on Plate A94.  
 \*Surface elevation is relative to Navy datum.

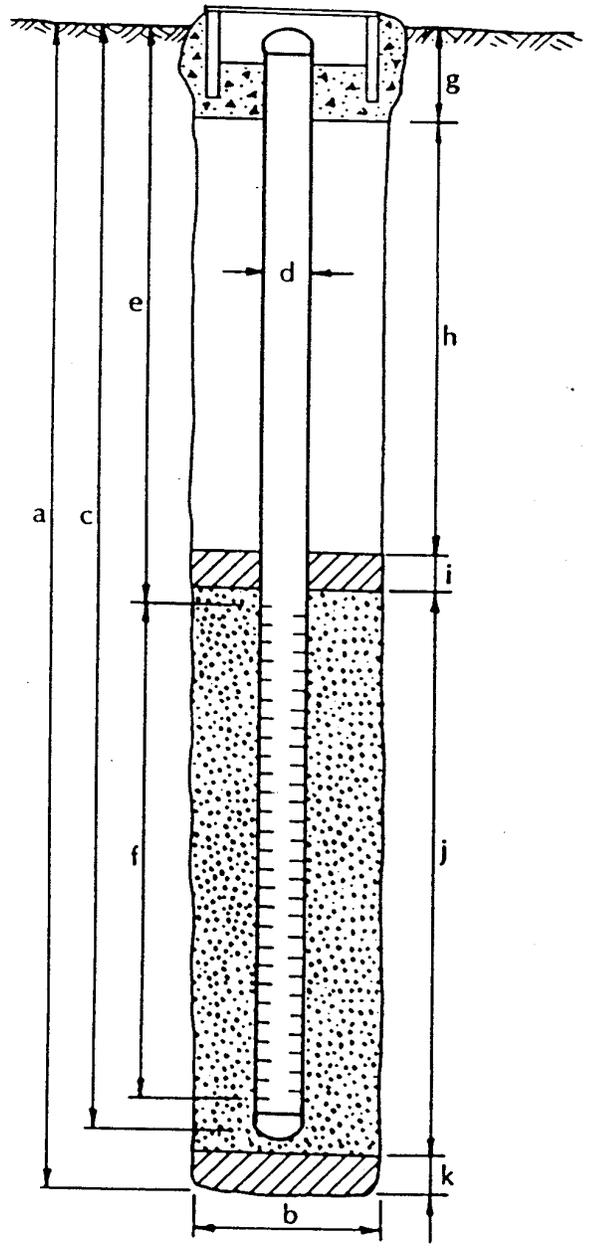
# WELL DETAILS



PROJECT NUMBER 365-02.02  
 PROJECT NAME HPNS-Painting Area  
 COUNTY San Francisco  
 WELL PERMIT NO. \_\_\_\_\_

BORING / WELL NO. P21  
 TOP OF CASING ELEV. 113.41'  
 GROUND SURFACE ELEV. 114'±  
 DATUM Navy

G-5 vault box (Std.)



## EXPLORATORY BORING

- a. Total depth 19.5 ft.
- b. Diameter 8 in.
- Drilling method Hollow-stem auger

## WELL CONSTRUCTION

- c. Casing length 19 ft.  
Material stainless steel
- d. Diameter 2 in.
- e. Depth to top perforations 4 ft.
- f. Perforated length 15 ft.  
Perforated interval from 19 to 4 ft.  
Perforation type screen  
Perforation size 0.010 inch
- g. Surface seal (1 - 0') 1 ft.  
Seal material cement-bentonite grout
- h. Backfill (1.5 - 1') 0.5 ft.  
Backfill material cement-bentonite grout
- i. Seal (2.5 - 1.5') 1 ft.  
Seal material bentonite
- j. Gravel pack (19 - 2.5') 16.5 ft.  
Pack material 12x20 sand
- k. Bottom seal N/A ft.  
Seal material N/A

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 365-02.02  
 PROJECT NAME HPNS-Painting Area  
 BY JDB DATE 9/05/86

BORING NO. P02  
 PAGE 1 OF 1  
 SURFACE ELEV. \*113.34'

PHOTO-VAC (ppm)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION
						GP	ASPHALT AND COARSE GRAVEL-FILL.
	1.5	22	v,s	1	1	CL-GC	GRAVELLY CLAY-FILL to CLAYEY GRAVEL; dark brown (7.5YR, 3/2) to very dark grayish brown (2.5Y, 3/2); 45-70% low-plasticity fines; 10-20% fine to coarse sand; 20-35% fine and coarse gravel; very stiff; dry.
				32	2		
				33	3		
				15	4		
				6	5		@6': damp.
	1.0	12	v,s	6	6		
			v,s	10	7	GW	@10': dark brown (7.5YR, 3/2); stiff; wet (unsaturated).
				19	8		SANDY GRAVEL-FILL; olive (5Y, 4/3); <5% low-plasticity fines; 30-45% fine to coarse sand; 55-70% fine and coarse gravel; medium dense; wet (saturated).
				11	9	CL	
	0.25	30		15	10		SILTY CLAY TO GRAVELLY CLAY-FILL; dark gray (5Y, 4/1); 55-85% low-plasticity fines; 10-20% fine to coarse sand; 5-25% fine and coarse gravel; soft; wet.
	0.5	18					@18': 15-30% fine to coarse sand; soft.
				20			BOTTOM OF BORING AT 19.5 FEET.

**REMARKS**

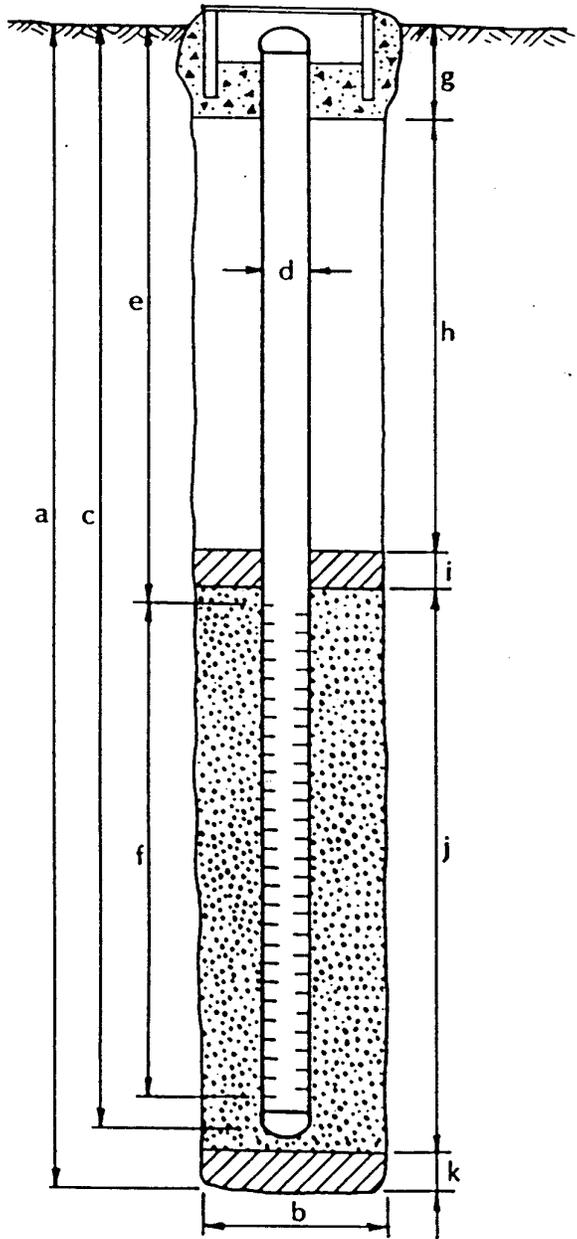
Drilled with 8-inch hollow-stem auger; sampled with 2-inch I.D. California modified split-spoon sampler fitted with stainless steel liners. Boring was converted to a 2-inch ground-water monitoring well as detailed on Plate A96. \*Surface elevation is relative to Navy datum.

# WELL DETAILS



PROJECT NUMBER 365-02.02 BORING / WELL NO. P02  
 PROJECT NAME HPNS-Painting Area TOP OF CASING ELEV. 113.34'  
 COUNTY San Francisco GROUND SURFACE ELEV. 114'±  
 WELL PERMIT NO. \_\_\_\_\_ DATUM Navy

G-5 vault box (Std.)



## EXPLORATORY BORING

- a. Total depth 19.5 ft.
- b. Diameter 8 in.
- Drilling method Hollow-stem auger

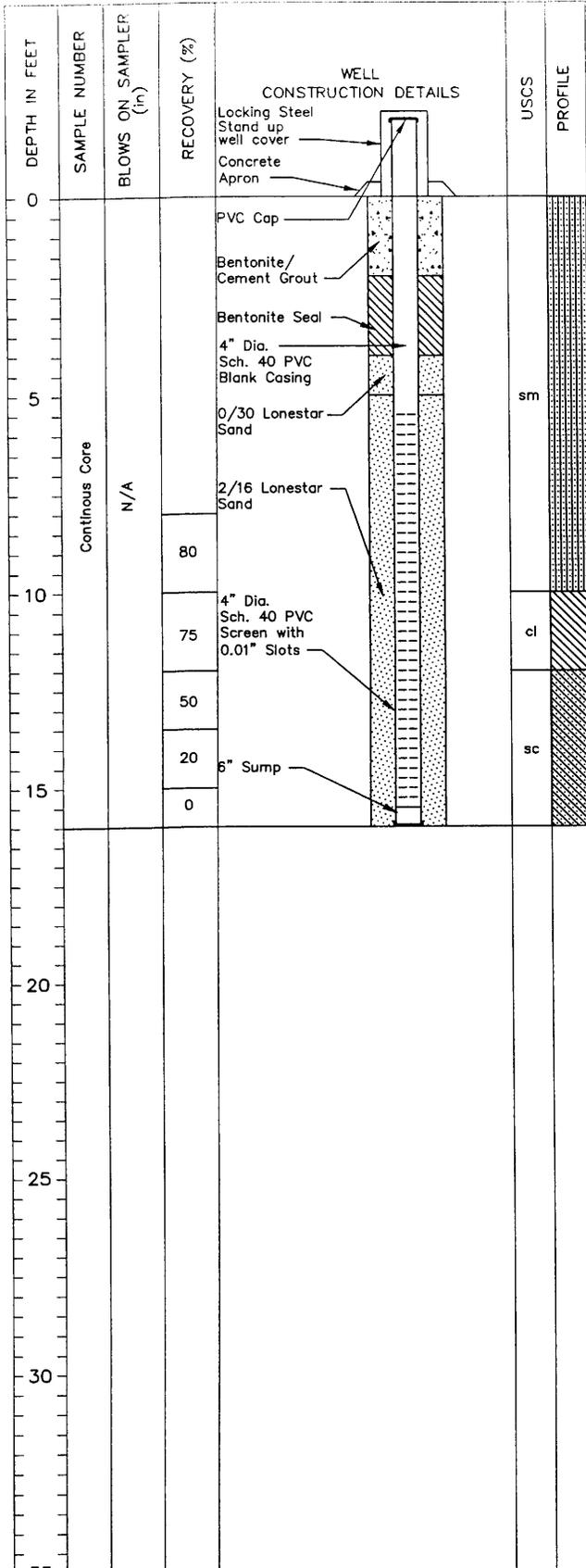
## WELL CONSTRUCTION

- c. Casing length 19 ft.  
Material stainless steel
- d. Diameter 2 in.
- e. Depth to top perforations 4 ft.
- f. Perforated length 15 ft.  
Perforated interval from 19 to 4 ft.  
Perforation type screen  
Perforation size 0.010 inch
- g. Surface seal (1 - 0') 1 ft.  
Seal material cement-bentonite grout
- h. Backfill (1.5 - 1') 0.5 ft.  
Backfill material cement-bentonite grout
- i. Seal (2.5 - 1.5') 1 ft.  
Seal material bentonite
- j. Gravel pack (19 - 2.5') 16.5 ft.  
Pack material 12x20 sand
- k. Bottom seal N/A ft.  
Seal material N/A

# MONITORING WELL IR07MWS02

COORDINATES: N. 453860.98  
E. 1460286.15

FIELD GEOLOGIST J. Saiz DATE BEGAN 6/28/99  
CHECKED BY E. Mullenmeister DATE FINISHED 6/28/99  
APPROVED BY W. Akiyama, R.G. SURFACE ELEV. 10.09 ft.  
TOTAL DEPTH 16.0 ft. T.O.C. ELEV. 12.71 ft.



DRILLER : Rich  
 DRILLING CO. : Gregg Drilling and Testing, Inc.  
 DRILLING METHOD : 8" O.D. Hollow Stem Auger, Reamed to 10" O.D.  
 SAMPLING METHOD : Continuous Core  
 PROJECT NAME: D.O. 109  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

DRAWN BY	T.R.S.	CHECKED BY	<i>EEM 7/19/01</i>	FILE NAME & DISK NUMBER	HP07MWS02 Rev 1
DATE	2/24/00	APPROVED BY	<i>WSA 7-19-01</i>		



**MONITORING WELL IR07MWS04\***

(DESTRUCTION) COORDINATES: N. 453840.15  
 E 1459948.64  
 FIELD GEOLOGIST J. Lewowski DATE BEGAN 3/22/01  
 CHECKED BY E. Mullenmeister DATE FINISHED 3/22/01  
 APPROVED BY W. Akiyama, R.G. SURFACE ELEV. 13.48 ft.  
 TOTAL DEPTH 19.0 ft. T.O.C. ELEV. NA

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY	WELL DESTRUCTION DETAIL	USCS	PROFILE
0	1	N/A	100	<p>Bentonite/Cement Grout</p>	sc fill	<p>GRAVEL SURFACE.                      SANDY CLAY; light olive brown, (2.5Y 5/6), moist, soft, 5% gravel up to 2" dia., 30% fine to medium sand, 65% clay, FILL.</p> <p>Becomes olive brown, (2.5Y 4/4).</p> <p>Brick fragments, serpentine gravel, 10% gravel, 25% sand, 65% clay.</p>
5	2	N/A	100			
5	3	N/A	90			
10	4	N/A	40		sp fill	<p>GRAVELLY CLAYEY SAND; olive brown, (2.5Y 4/4), moist, loose, fine, 10% gravel, 25% clay, 65% sand, FILL.</p> <p>Increasing clay, brick fragments.</p> <p>∇ Groundwater encountered at 11.0 ft.</p>
10	5	N/A	90			
15	NS	N/A	0		sc fill	<p>GRAVELLY SANDY CLAY; olive brown, (2.5Y 4/4), wet, soft, 5% gravel, 30% fine to medium sand, 65% clay, FILL.</p>
15	6	2/2/5	100			

DESCRIPTION

GRAVEL SURFACE.  
 SANDY CLAY; light olive brown, (2.5Y 5/6), moist, soft, 5% gravel up to 2" dia., 30% fine to medium sand, 65% clay, FILL.

Becomes olive brown, (2.5Y 4/4).

Brick fragments, serpentine gravel, 10% gravel, 25% sand, 65% clay.

8.0'

GRAVELLY CLAYEY SAND; olive brown, (2.5Y 4/4), moist, loose, fine, 10% gravel, 25% clay, 65% sand, FILL.

Increasing clay, brick fragments.

∇ Groundwater encountered at 11.0 ft.

15.0'

GRAVELLY SANDY CLAY; olive brown, (2.5Y 4/4), wet, soft, 5% gravel, 30% fine to medium sand, 65% clay, FILL.

18.5'

TD (DESTRUCTION) 19.0 FEET

TOTAL DEPTH MONITORING WELL BORING 18.5 FEET

\*NOTE:

Lithologic log prepared by IT Group on 4/7/99. Well IR07MWS04 was destroyed by the IT Group on 3/22/01.

35 DESTRUCTION INFORMATION

DRILLER : Rich Nessinger  
 DRILLING CO. : Gregg Drilling and Testing, Inc.  
 DRILLING METHOD : Marl 5-T(Rhino) 11" Dia. Hollow Stem Auger  
 SAMPLING METHOD : NA  
 PROJECT NAME: D.O. 109  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

DRAWN BY	T.R.S.	CHECKED BY	<u>EE M 7/17/01</u>	FILE NAME & DISK NUMBER	HP-7MWS4 dest
DATE	7/6/01	APPROVED BY	<u>WSA 7-19-01</u>		



INTERNATIONAL TECHNOLOGY CORPORATION

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 365-02.02

BORING NO. S02

PROJECT NAME HPNS-Sub-Base Sandblast Fill Area

PAGE 1 OF 2

BY JDB DATE 9/02/86

SURFACE ELEV. \*112.72'

PHOTO-VAC (ppm)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION
		42			1	CL-GC	GRAVEL-FILL; coarse baserock.
		12			2		GRAVELLY CLAY TO CLAYEY GRAVEL-FILL; dark olive gray (2.5Y, 4/2); 40-60% low plasticity fines; 10-20% fine to coarse sand; 30-60% fine and coarse gravel; stiff to dense; damp.
		10			3		@4': 10-15% fine to coarse sand; 15-25% fine and coarse gravel; soft; moist.
		15	▼		4		
		13	▽		5		@8': 40-60% fine to coarse gravel; soft.
		10			6		@8.5': wet on sand grains.
		12			7		
	1.0	10			8		
	0.75	4			9		
		9			10		
		11			11		

**REMARKS**

Drilled with 8-inch hollow-stem auger; sampled with 2-inch I.D. California modified split-spoon sampler fitted with stainless steel liners. Boring was converted to a 2-inch ground-water monitoring well as detailed on Plate A105.  
 \*Casing elevation is relative to Navy datum.

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 365-02.02

BORING NO. S02

PROJECT NAME HPNS-Sub-Base Sandblast Fill Area

PAGE 2 OF 2

BY JDB DATE 9/02/86

SURFACE ELEV. \*112.7'

PHOTO-VAC (ppm)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION
				20		SC	GRAVELLY CLAY TO CLAYEY GRAVEL-FILL; continued.
		10		22	12	SC	CLAYEY SAND-FILL; dark grayish brown (2.5Y, 4/2); 20-40% low- to moderate-plasticity fines; 45-75% fine to coarse sand; 5-15% fine gravel; loose; wet.
				25			
		11		28	13	SC	
				30		CL	
		4		34	14	CL	CLAY; dark gray (5Y, 3/1); 90% moderate- to high-plasticity fines; <5% fine sand; <5% shell fragments; soft; very moist.
				35			
		100		35.5	15	CL	@35.5': BEDROCK? BOTTOM OF BORING AT 36 FEET: Refusal.
				40			

REMARKS

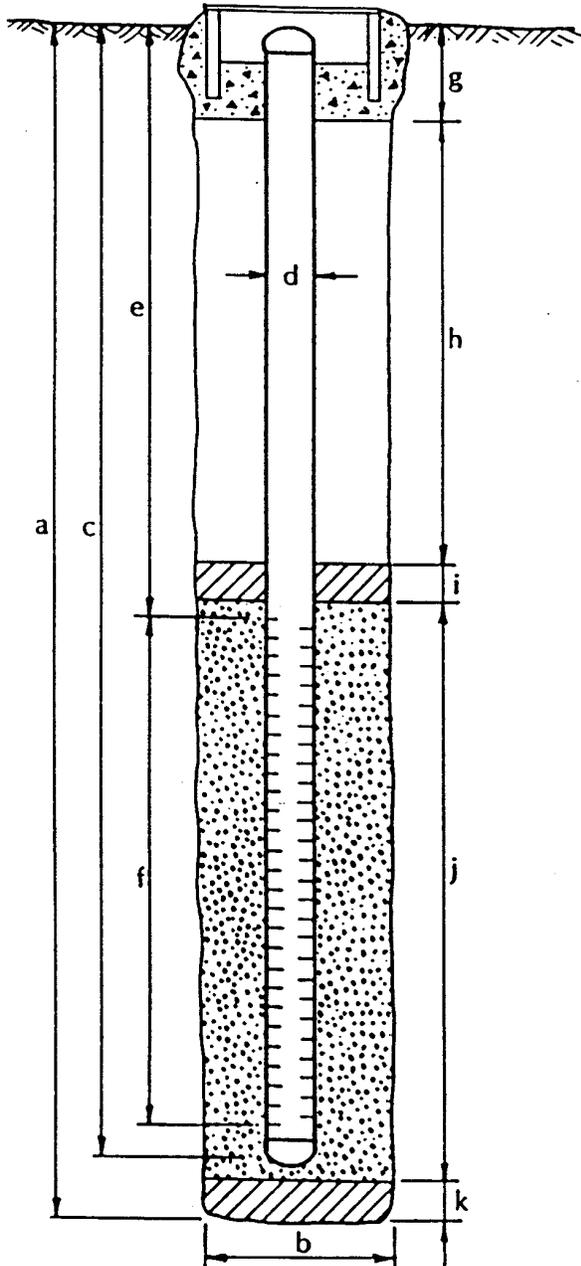
# WELL DETAILS



PROJECT NUMBER 365-02.02  
 PROJECT NAME HPNS-Sub-Base Sandblast  
 COUNTY San Francisco Fill Area  
 WELL PERMIT NO. \_\_\_\_\_

BORING / WELL NO. S02  
 TOP OF CASING ELEV. 112.72'  
 GROUND SURFACE ELEV. 113'±  
 DATUM Navy

G-5 vault box (Std.)



## EXPLORATORY BORING

- a. Total depth 36 ft.
- b. Diameter 8 in.
- Drilling method Hollow-stem auger

## WELL CONSTRUCTION

- c. Casing length 20.5ft.  
Material stainless steel
- d. Diameter 2 in.
- e. Depth to top perforations 3 ft.
- f. Perforated length 15 ft.  
Perforated interval from 18 to 3 ft.  
Perforation type screen  
Perforation size 0.010 inch
- g. Surface seal (1 - 0') 1 ft.  
Seal material cement-bentonite grout
- h. Backfill - ft.  
Backfill material cement-bentonite grout
- i. Seal (2 - 1') 1 ft.  
Seal material bentonite
- j. Gravel pack (31 - 2') 29 ft.  
Pack material 12x20 sand
- k. Bottom seal N/A ft.  
Seal material N/A

Note: Boring caved to 31 feet when augers removed.

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 365-02.02

BORING NO. S03

PROJECT NAME HPNS-Sub-Base Sandblast Fill Area

PAGE 1 OF 2

BY JDB DATE 9/03/86

SURFACE ELEV. \*113.36'

PHOTO-VAC (ppm)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION
				40	1	GC	CLAYEY GRAVEL-FILL; grayish brown (2.5Y, 5/2); 10-25% low-plasticity fines; 20-30% fine to coarse sand; 45-70% fine and coarse gravel; dense to very dense; dry.
				72	2		
				29	3	SW	SAND-FILL; light yellowish brown (10YR, 6/4); 5-10% low-plasticity fines; 75-90% fine to coarse sand; 5-15% fine gravel; wood fragments; dense; damp.
2.0			v, s g, m d	27	4	CL-GC	GRAVELLY CLAY TO CLAYEY GRAVEL-FILL; brown (7.5YR, 4/2); 20-60% low-plasticity fines; 10-20% fine to coarse sand; 30-60% fine and coarse gravel; very stiff to medium dense; moist.
1.0			v, s g, m d	18	5	SM	SILTY SAND-FILL; grayish brown (2.5Y, 5/2); 10-15% low-plasticity fines; 70-85% fine to coarse sand; 5-15% fine gravel; medium dense; damp.
				14	6	CL	GRAVELLY CLAY-FILL; dark olive gray (5Y, 3/2); 50-75% low-plasticity fines; 10-20% fine to coarse sand; 15-30% fine and coarse gravel; stiff; damp.
				13	7	SC-GC	CLAYEY SAND TO CLAYEY GRAVEL-FILL; dark grayish brown (2.5Y, 4/2); 10-30% low-plasticity fines; 35-45% fine to coarse sand; 35-45% fine and coarse gravel; medium dense; wet (unsaturated).
				10	8		
				8	9		
1.0			v, s g, m d	3	10	SC	SANDY CLAY-FILL; dark greenish gray (5Y, 4/1); 30-60% low-plasticity fines; 30-45% fine to coarse sand; 10-25% fine gravel; stiff; wet.
							@14': loose, saturated.

**REMARKS**

Drilled with 8-inch hollow-stem auger; sampled with 2-inch I.D. California modified split-spoon sampler fitted with stainless steel liners. Boring was converted to a 2-inch ground-water monitoring well as detailed on Plate A108.  
 \*Casing elevation is relative to Navy datum.

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 365-02.02

BORING NO. S03

PROJECT NAME HPNS-Sub-Base Sandblast Fill Area

PAGE 2 OF 2

BY JDB DATE 9/03/86

SURFACE ELEV. \*113.36'

PHOTO-VAC (ppm)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION
		16		20	11	SC	SANDY CLAY-FILL; continued.  @22': light olive brown (2.5Y, 5/4).
	0.5	9		25	12	CL	@25-26': subsurface obstruction. CLAY-FILL; light olive brown (2.5Y, 5/4); 65-80% moderate-plasticity fines; 10-15% fine to coarse sand; 10-20% fine gravel; soft; wet.
	0.25	6		30	13	CL-CH	CLAY; dark gray (5Y, 4/1); >90% moderate- to high-plasticity fines; <10% shell fragments; very soft; moist.
		6		35	15		
				40			BOTTOM OF BORING AT 36 FEET.

REMARKS

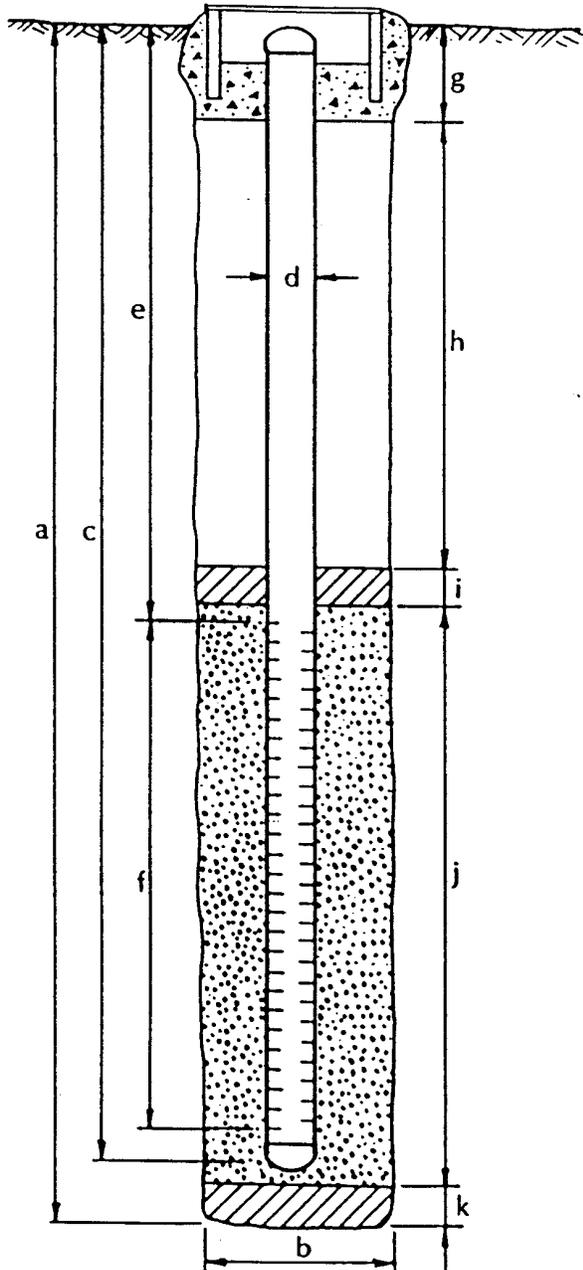
# WELL DETAILS



PROJECT NUMBER 365-02.02  
 PROJECT NAME HPNS-Sub-Base Sandblast  
 COUNTY San Francisco Fill Area  
 WELL PERMIT NO. \_\_\_\_\_

BORING / WELL NO. S03  
 TOP OF CASING ELEV. 113.36'  
 GROUND SURFACE ELEV. 114'±  
 DATUM Navy

G-5 vault box (Std.)



## EXPLORATORY BORING

a. Total depth 36 ft.  
 b. Diameter 8 in.  
 Drilling method Hollow-stem auger

## WELL CONSTRUCTION

c. Casing length 20 ft.  
 Material stainless steel  
 d. Diameter 2 in.  
 e. Depth to top perforations 5 ft.  
 f. Perforated length 15 ft.  
 Perforated interval from 20 to 5 ft.  
 Perforation type screen  
 Perforation size 0.010 inch  
 g. Surface seal (1 - 0') 1 ft.  
 Seal material cement-bentonite grout  
 h. Backfill (2.5 - 1') 1.5 ft.  
 Backfill material cement-bentonite grout  
 i. Seal (3.5 - 2.5') 1 ft.  
 Seal material bentonite  
 j. Gravel pack (20 - 3.5') 16.5 ft.  
 Pack material 12x20 sand  
 k. Bottom seal N/A ft.  
 Seal material N/A

Note: Boring caved to 20 feet when augers removed.

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 365-02.02

BORING NO. S04

PROJECT NAME HPNS-Sub-Base Sandblast Fill Area

PAGE 1 OF 2

BY JDB DATE 9/04/86

SURFACE ELEV. \*116.83'

PHOTO-VAC (ppm)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Fl.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION
						GP	GRAVEL-FILL; very coarse baserock.
		44	v,s	1	1	GC	CLAYEY GRAVEL-FILL; dark grayish brown (2.5Y, 5/2); 15-25% low-plasticity fines; 10-20% fine to coarse sand; 55-75% fine and coarse gravel; dense; damp. @4.5-5': brick.
		46	g,m	2	2		
		17	d	3	3		
		25	5	4	4	SC	CLAYEY SAND-FILL; dark grayish brown (2.5Y, 4/2); 15-20% low-plasticity fines; 55-75% fine to coarse sand; 5-15% fine gravel; 5-10% brick fragments; dense; dry.
		8	d	5	5	GC	CLAYEY GRAVEL-FILL; dark grayish brown (2.5Y, 4/2); 15-25% low-plasticity fines; 10-20% fine to coarse sand; 55-75% fine and coarse gravel; loose; moist. @11': 15-30% low-plasticity fines; wet.
		6	g,m	6	6		
		21	v,s	7	7		
		22	v,s	8	8		
		14	g,m	9	9	GC	@13.5': 30-40% fine to coarse sand; 40-60% fine and coarse gravel.
		6	d	10	10		CLAYEY GRAVEL-FILL; dark grayish brown (2.5Y, 4/2); 15-25% low-plasticity fines; 25-45% fine to coarse sand; 30-60% fine and coarse gravel; loose; wet.
				15			
				20			

**REMARKS**

Drilled with 8-inch hollow-stem auger; sampled with 2-inch I.D. California modified split-spoon sampler fitted with stainless steel liners. Boring was converted to a 2-inch ground-water monitoring well as detailed on Plate A111.  
\*Casing elevation is relative to Navy datum.

# LOG OF EXPLORATORY BORING

PROJECT NUMBER 365-02.02

BORING NO. S04

PROJECT NAME HPNS-Sub-Base Sandblast Fill Area

PAGE 2 OF 2

BY JDB DATE 9/04/86

SURFACE ELEV. \*116.83'

PHOTO-VAC (ppm)	POCKET PENETROMETER (TSF)	PENETRATION (Blows/Ft.)	GROUND WATER LEVELS	DEPTH IN FT.	SAMPLES	LITHO-GRAPHIC COLUMN	DESCRIPTION
				20		GC	CLAYEY GRAVEL-FILL; continued.
	5.0	28			12	CL	CLAY; yellowish brown (10YR, 5/8); 90-95% low-to moderate-plasticity fines; 5-10% fine to medium sand; hard; moist @27.5': black (5Y, 2.5/1); 80-90% moderate-to high-plasticity fines; 10-20% shell fragments; soft; wet.
						CL-CH	
	0.0	4			13		BOTTOM OF BORING AT 32.5 FEET.
				35			
				40			

REMARKS

# WELL DETAILS

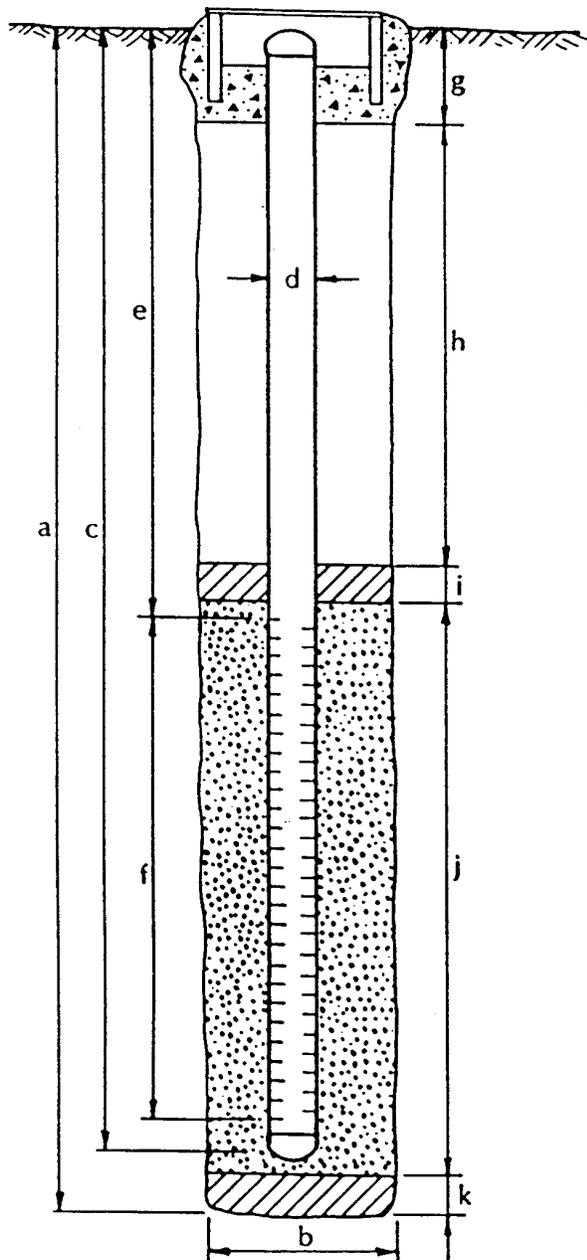
HLA I R07MWS-4



PROJECT NUMBER 365-02.02  
 PROJECT NAME HPNS-Sub-Base Sandblast  
 COUNTY San Francisco Fill Area  
 WELL PERMIT NO. \_\_\_\_\_

BORING / WELL NO. S04  
 TOP OF CASING ELEV. 116.83'  
 GROUND SURFACE ELEV. 117'±  
 DATUM Navy

G-5 vault box (Std.)

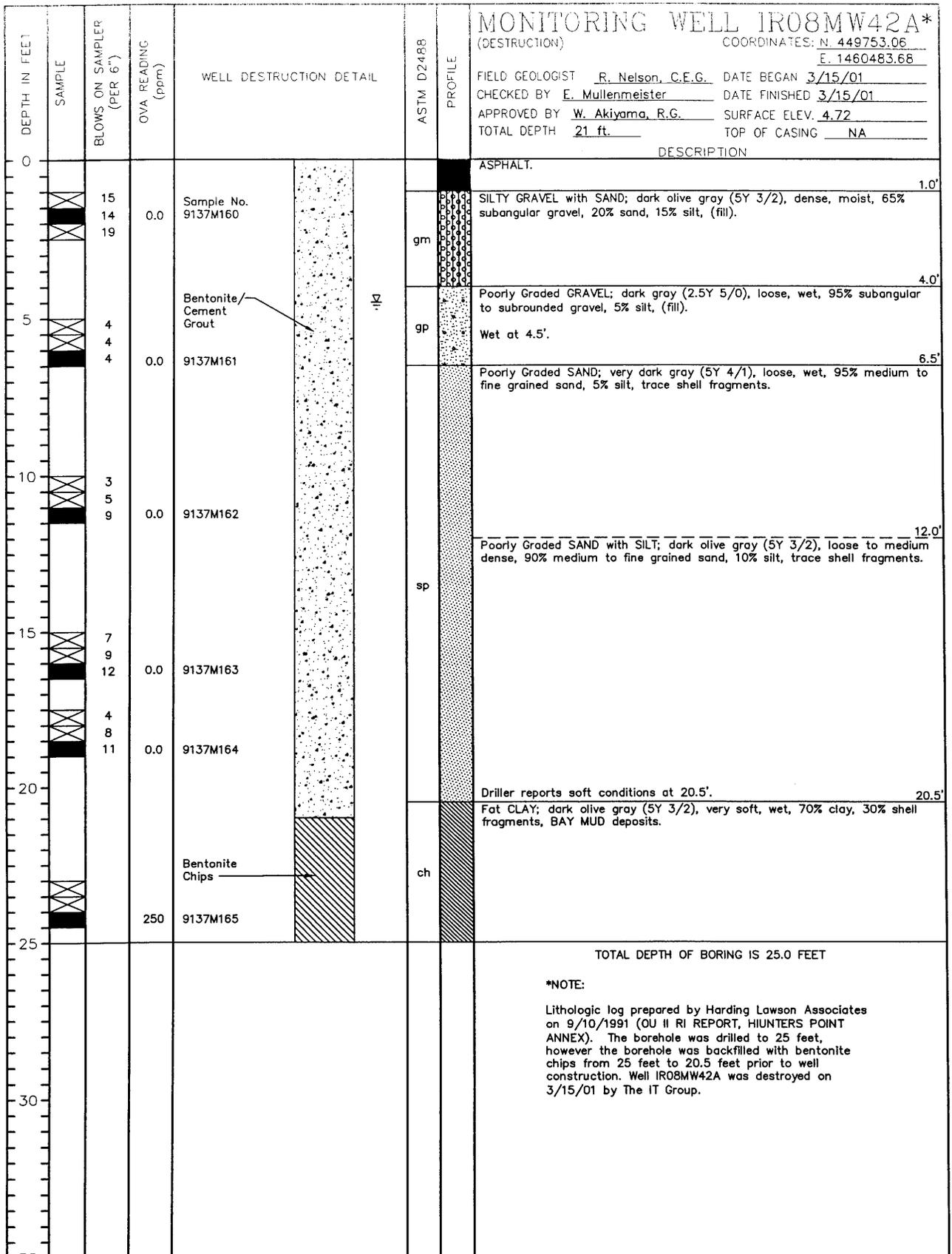


## EXPLORATORY BORING

- a. Total depth 32.5 ft.
- b. Diameter 8 in.
- Drilling method Hollow-stem auger

## WELL CONSTRUCTION

- c. Casing length 21 ft.  
Material stainless steel
- d. Diameter 2 in.
- e. Depth to top perforations 6 ft.
- f. Perforated length 15 ft.  
Perforated interval from 21 to 6 ft.  
Perforation type screen  
Perforation size 0.010 inch
- g. Surface seal (1 - 0') 1 ft.  
Seal material cement-bentonite grout
- h. Backfill (3 - 1') 2 ft.  
Backfill material cement-bentonite grout
- i. Seal (4 - 3') 1 ft.  
Seal material bentonite
- j. Gravel pack (32.5 - 4') 28.5 ft.  
Pack material 12x20 sand
- k. Bottom seal N/A ft.  
Seal material N/A

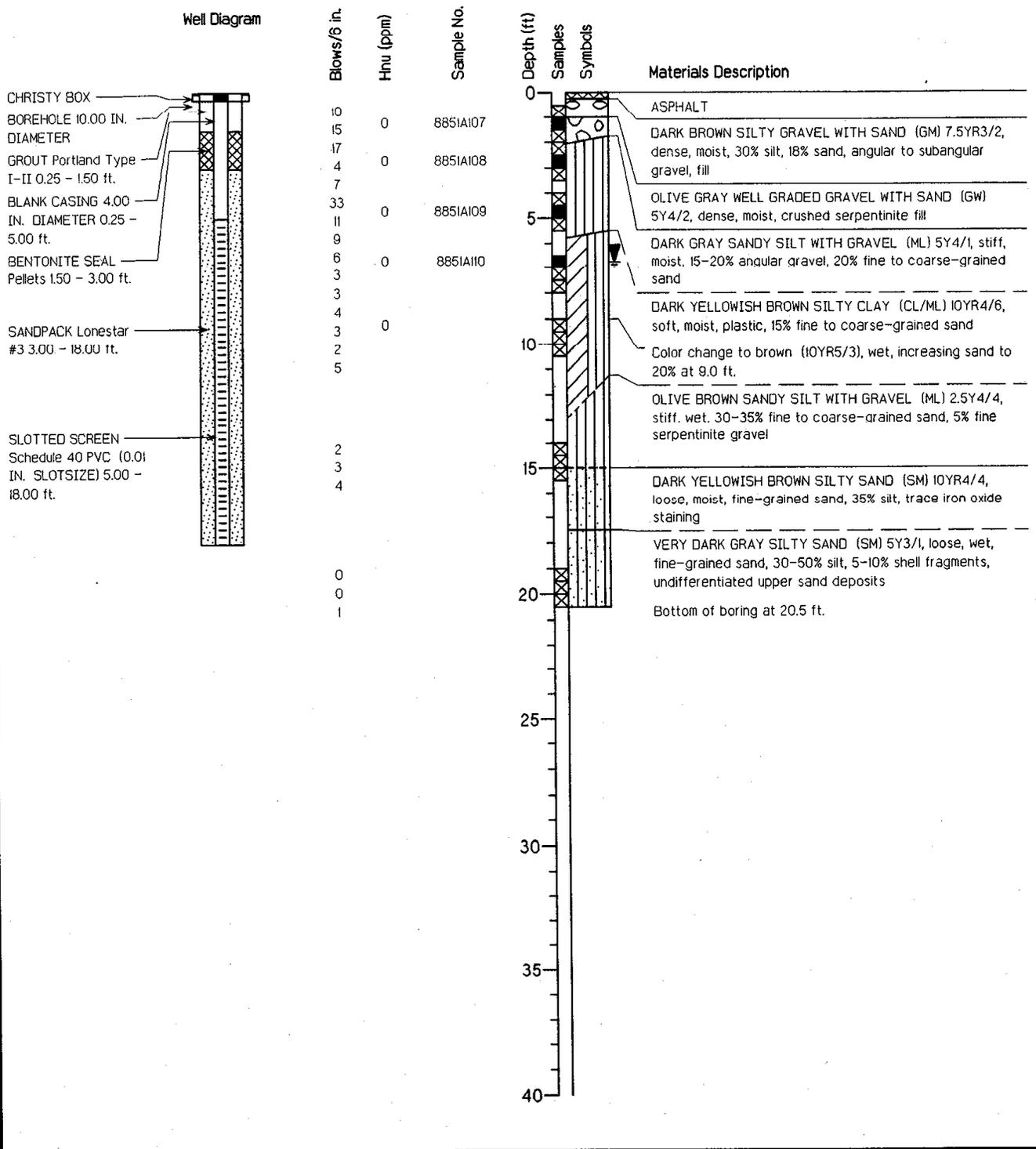


DESTRUCTION INFORMATION

DRILLER : Rich Nessinger  
 DRILLING CO. : Gregg Drilling Co.  
 DRILLING METHOD : Marl 5-T (Rhino) 11" Dia. Hollow Stem Auger  
 SAMPLING METHOD : NA  
 PROJECT : Hunters Point CTO-029  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 820238

DRAWN BY	T.R.S.	CHECKED BY	CEM 7/19/01	DRAWING NO. : 820238-A13 Rev 1
DATE	7/6/01	APPROVED BY	WSA 7-19-01	



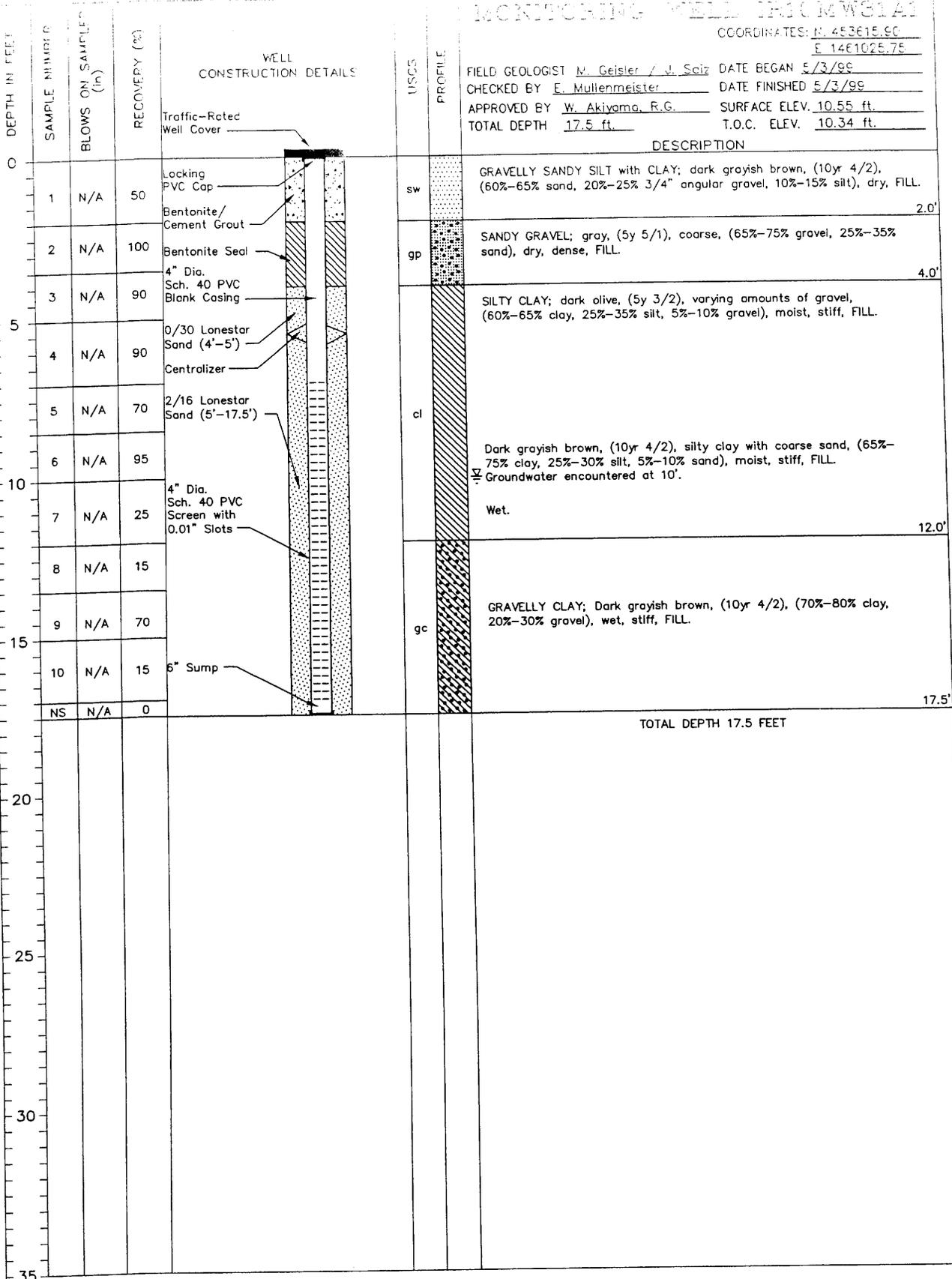


Project Number _____	Date Drilled <u>12/29/1988</u>	Figure _____
Project Name <u>Parcel B RI Report</u>	GS Elevation <u>10.12</u>	
Project Task <u>Hunters Point Annex</u>	Water Level <u>6.75 ft.</u>	
Project Location <u>San Francisco, California</u>	Total Depth Of Hole <u>20.50 ft.</u>	
Equipment <u>CME 55 (HSA) 10.00 in. diam.</u>		

# MONITORING WELL HP10MW31A1

COORDINATES: N. 453615.90  
E. 1461025.75

FIELD GEOLOGIST M. Geisler / J. Seitz DATE BEGAN 5/3/99  
 CHECKED BY E. Mullenmeister DATE FINISHED 5/3/99  
 APPROVED BY W. Akiyama, R.G. SURFACE ELEV. 10.55 ft.  
 TOTAL DEPTH 17.5 ft. T.O.C. ELEV. 10.34 ft.



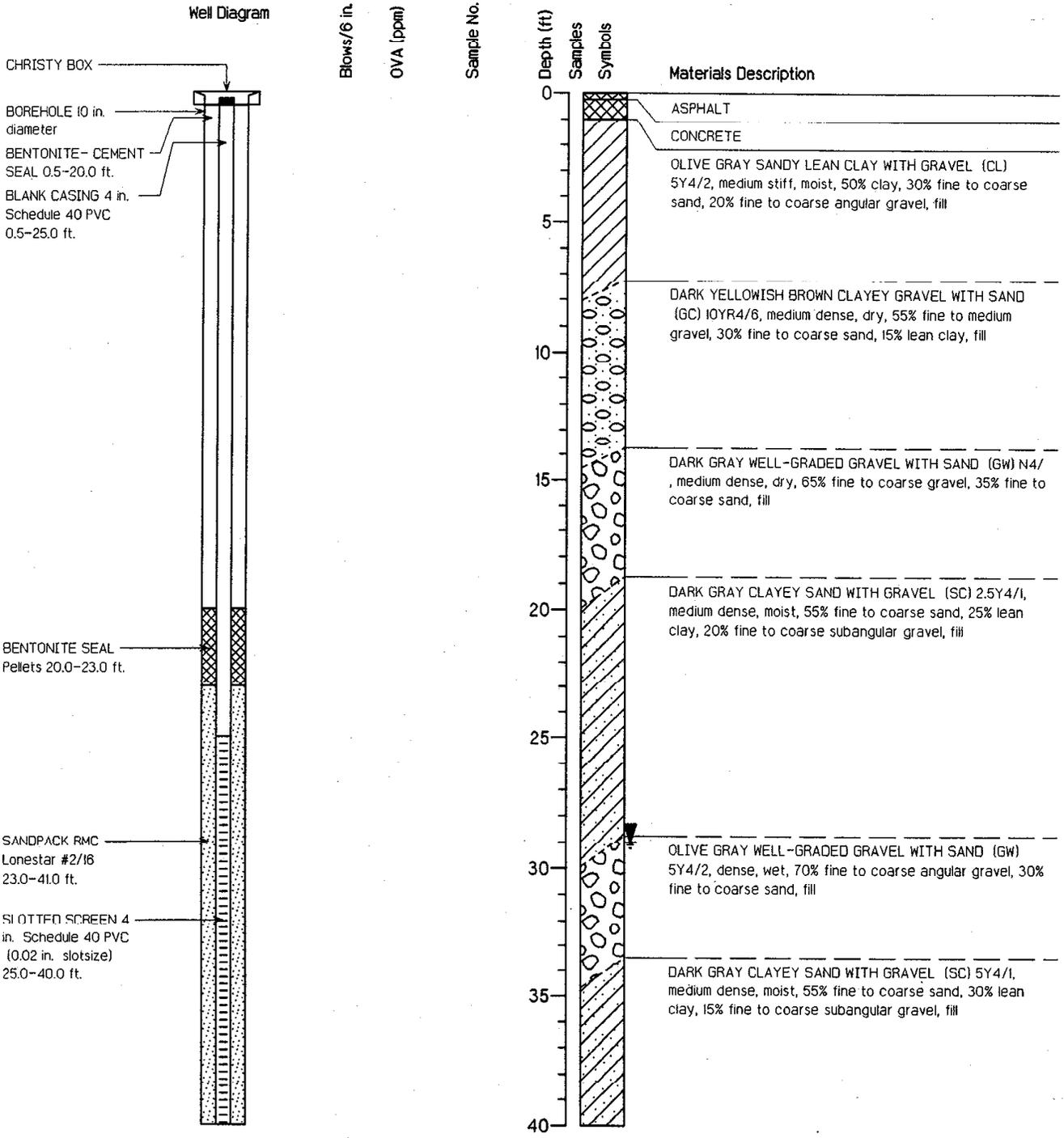
TOTAL DEPTH 17.5 FEET

DRILLER : B. Deason  
 DRILLING CO. : Gregg Drilling and Testing, Inc.  
 DRILLING METHOD : 8" O.D. Hollow Stem Auger, Reamed to 10" O.D.  
 SAMPLING METHOD : Split- Spoon Sampler (Push)  
 PROJECT NAME: D.O. 109  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

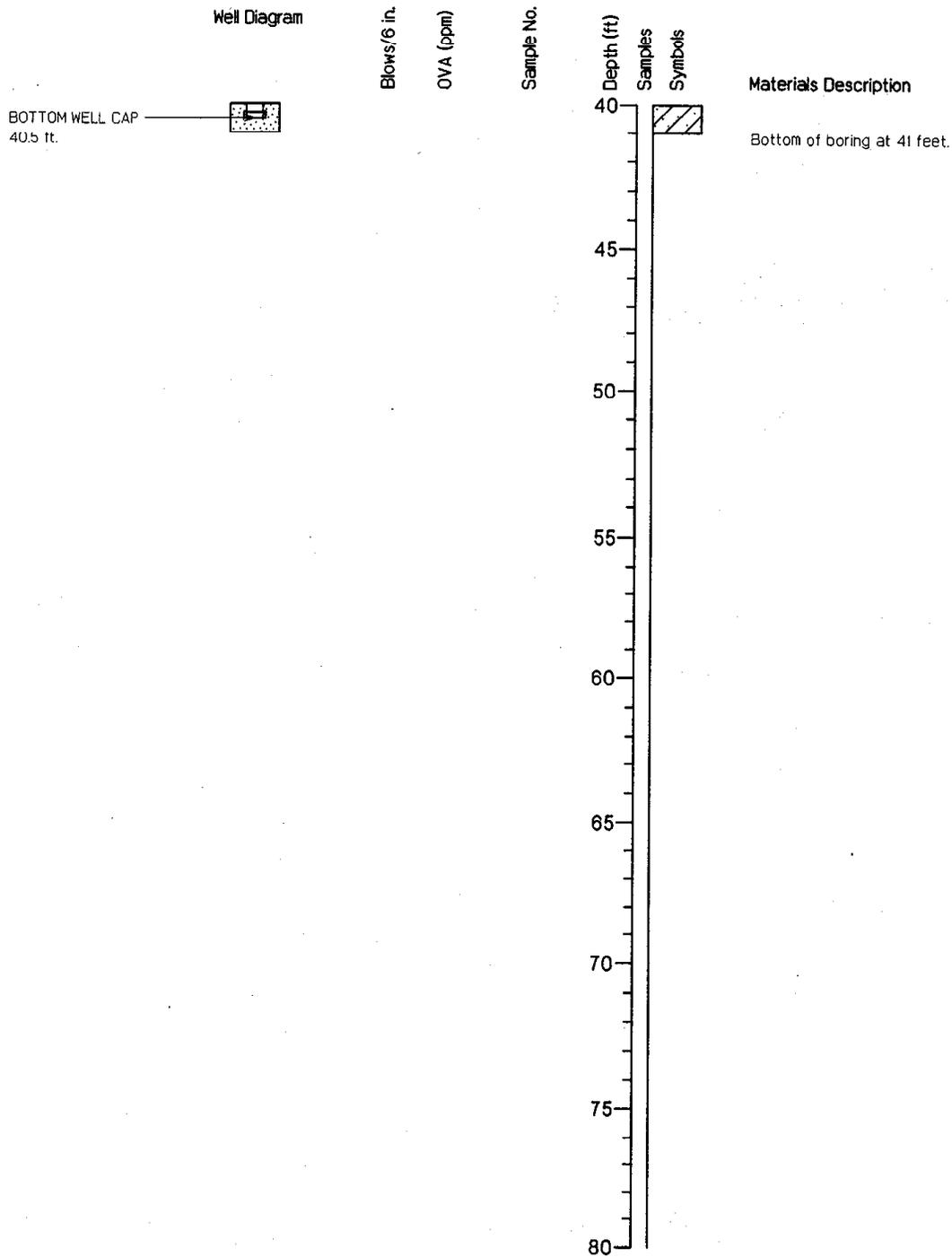
DRAWN BY	T.R.S.	CHECKED BY	<u>EEG 7/19/01</u>	FILE NAME & DISK NUMBER	HP10MW31A1 Rev 1
DATE	2/24/00	APPROVED BY	<u>WJA 7-19-01</u>		



**INTERNATIONAL  
TECHNOLOGY  
CORPORATION**



Project Number	11400 1402	Date Drilled	01/31/1994	Figure
Project Name	Parcel B RI Report	GS Elevation	10.54 ft.	
Project Task	Hunters Point Annex	Water Level	29 ft.	
Project Location	San Francisco, California	Total Depth Of Hole	41 ft.	
Equipment	Drill Systems 1000 (ACH), 10 in. diam.			



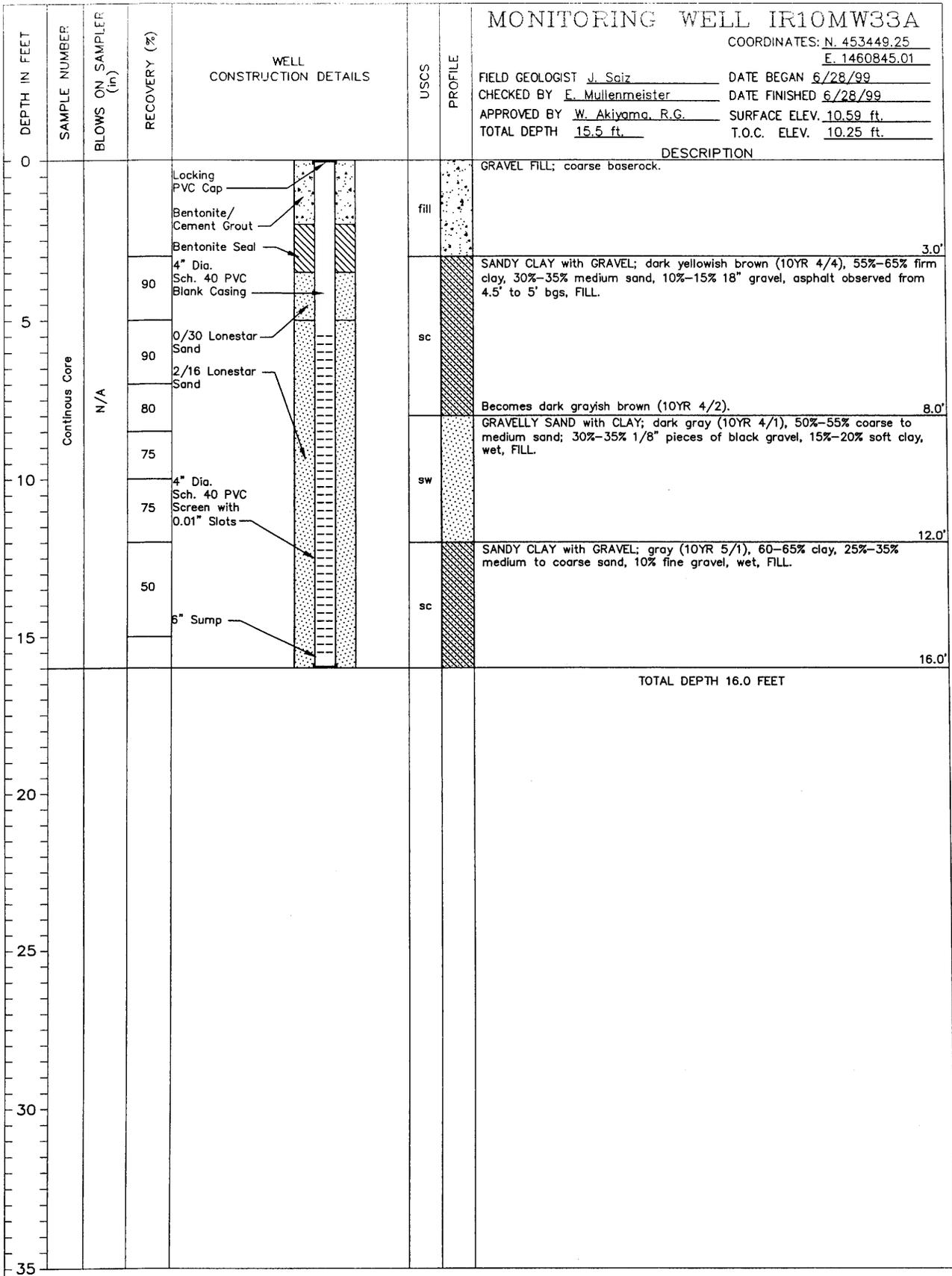
Project Number	11400 1402	Date Drilled	01/31/1994
Project Name	Parcel B RI Report	GS Elevation	10.54 ft.
Project Task	Hunters Point Annex	Water Level	29 ft.
Project Location	San Francisco, California	Total Depth Of Hole	41 ft.
Equipment	Drill Systems 1000 (ACH), 10 in. diam.		

Figure

# MONITORING WELL IR10MW33A

COORDINATES: N. 453449.25  
E. 1460845.01

FIELD GEOLOGIST J. Saiz DATE BEGAN 6/28/99  
 CHECKED BY E. Mullenmeister DATE FINISHED 6/28/99  
 APPROVED BY W. Akiyama, R.G. SURFACE ELEV. 10.59 ft.  
 TOTAL DEPTH 15.5 ft. T.O.C. ELEV. 10.25 ft.

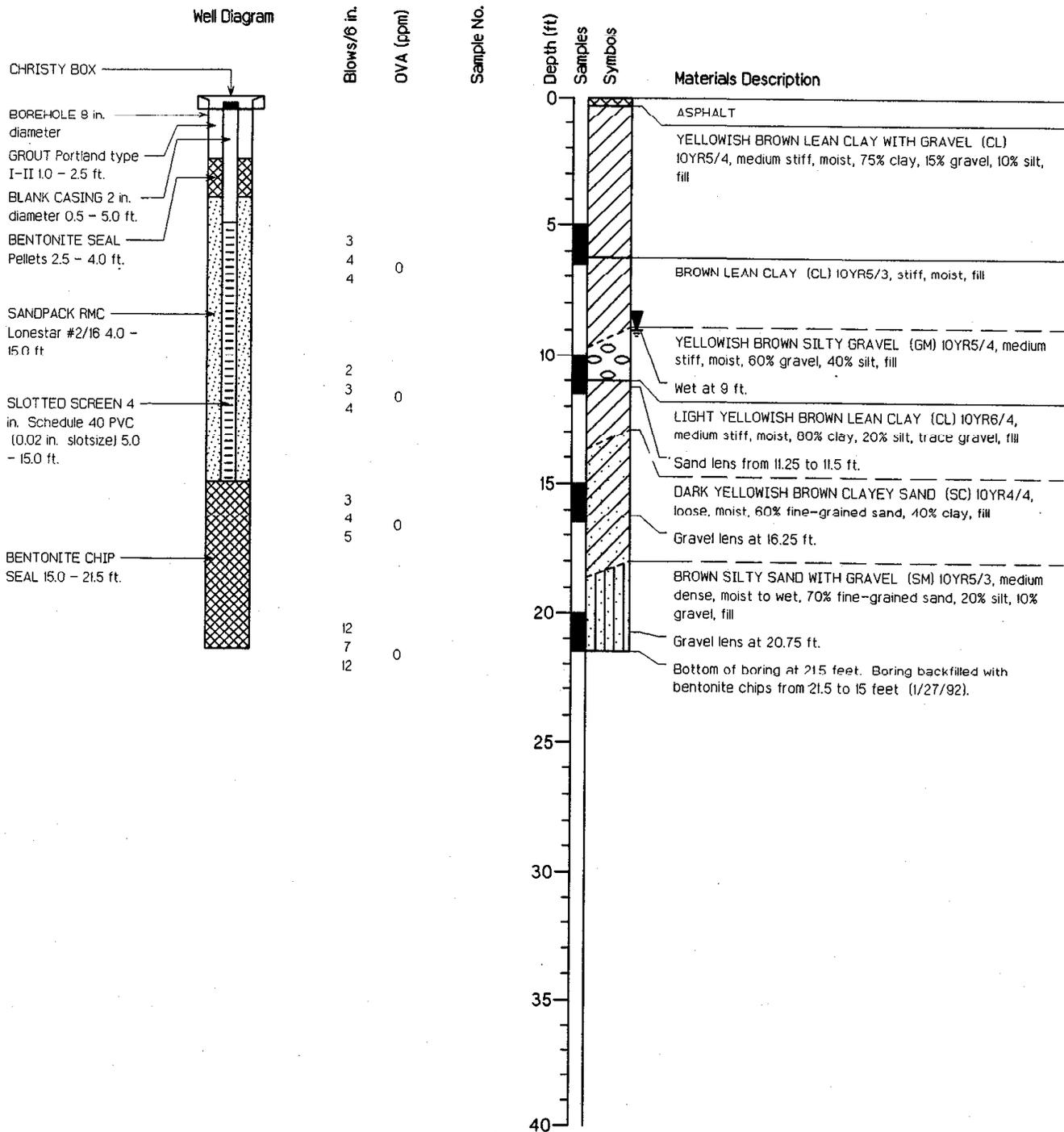


DRILLER : Rich  
 DRILLING CO. : Gregg Drilling and Testing, Inc.  
 DRILLING METHOD : 8" O.D. Hollow Stem Auger, Reamed to 10" O.D.  
 SAMPLING METHOD : Continuous Core  
 PROJECT NAME: D.O. 109  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

DRAWN BY	T.R.S.	CHECKED BY	EEM 7/19/01	FILE NAME & DISK NUMBER	IR10MW33A Rev 1
DATE	2/24/00	APPROVED BY	WZA 7-19-01		



**INTERNATIONAL TECHNOLOGY CORPORATION**



Project Number	02176,266.02	Date Drilled	01/27/1992
Project Name	Parcel B RI Report	GS Elevation	9.76 feet
Project Task	Hunters Point Annex	Water Level	9 ft.
Project Location	San Francisco, California	Total Depth Of Hole	21.5 ft.
Equipment	Mobile B-53 (HSA), 8 in. diam.		

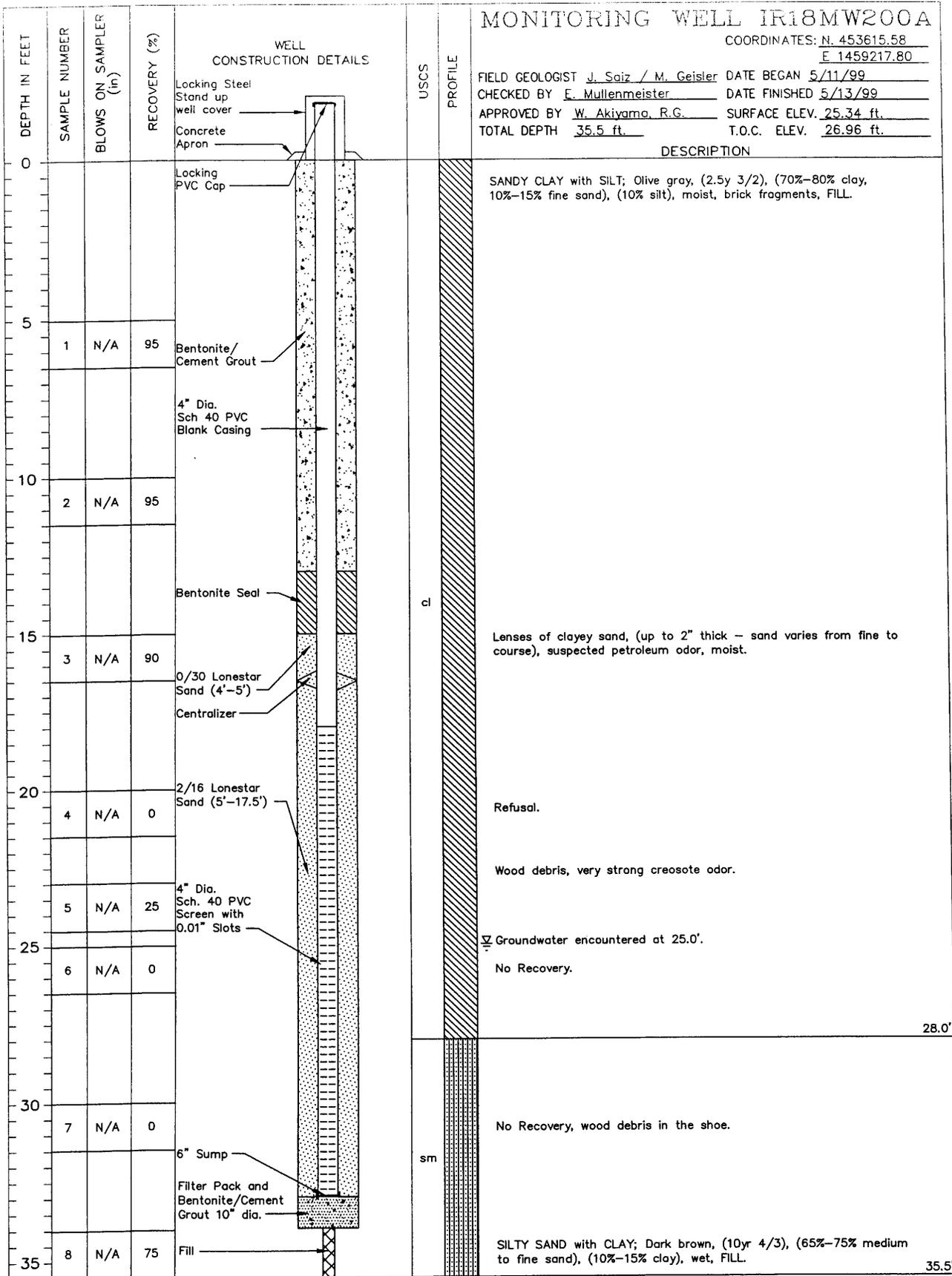
Figure

# MONITORING WELL IR18MW200A

COORDINATES: N. 453615.58  
E. 1459217.80

FIELD GEOLOGIST J. Seiz / M. Geisler DATE BEGAN 5/11/99  
 CHECKED BY E. Mullenmeister DATE FINISHED 5/13/99  
 APPROVED BY W. Akiyama, R.G. SURFACE ELEV. 25.34 ft.  
 TOTAL DEPTH 35.5 ft. T.O.C. ELEV. 26.96 ft.

## DESCRIPTION



DRILLER : B. Deason  
 DRILLING CO. : Gregg Drilling and Testing, Inc.  
 DRILLING METHOD : 8" O.D. Hollow Stem Auger, Reamed to 10" O.D.  
 SAMPLING METHOD : Split-spoon Sampler (Push)  
 PROJECT NAME: D.O. 109  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

TOTAL DEPTH 35.5 FEET

DRAWN BY	RDB	CHECKED BY	EE M 7/19/01	FILE NAME & DISK NUMBER	HP18MW200A Rev 1
DATE	2/24/00	APPROVED BY	WSA 7-19-01		



INTERNATIONAL  
TECHNOLOGY  
CORPORATION

# MONITORING WELL IR18MW21A

COORDINATES: N. 453595.74  
E 1659304.92

FIELD GEOLOGIST M. Geisler / J. Saiz DATE BEGAN 5/3/99  
 CHECKED BY E. Mullenmeister DATE FINISHED 5/6/99  
 APPROVED BY W. Akiyama, R.G. SURFACE ELEV. 17.78 ft.  
 TOTAL DEPTH 20.0 ft. T.O.C. ELEV. 17.62 ft.

DEPTH IN FEET	SAMPLE NUMBER	BLOWS ON SAMPLER (in)	RECOVERY (%)	WELL CONSTRUCTION DETAILS	USCS	PROFILE	DESCRIPTION
0				Traffic-Rated Well Cover			
1	N/A		85	Locking PVC Cap			GRAVELLY SANDY SILT with CLAY; pale brown, (10yr 6/3), (60%-70% sand, 15%-20% 3/4" angular gravel, 15% clay and silt), dry, FILL.  Becomes moist.
2	N/A		86	Bentonite/Cement Grout			
3	N/A		88	Bentonite Seal			
4	N/A		85	4" Dia. Sch. 40 PVC Blank Casing			
5	N/A		80	0/30 Lonestar Sand (4'-5')	sm		
6	N/A		89	Centralizer			
7	N/A		50	2/16 Lonestar Sand (5'-17.5')			
8	N/A		60	4" Dia. Sch. 40 PVC Screen with 0.01" Slots	sc		CLAYEY SAND; Olive gray, (5y 4/2), (65%-75% clay, 25%-30% sand), pieces of asphalt observed, moist, stiff, FILL. Groundwater encountered at 13.5'
9	N/A		60		pt		PEAT like material observed, (1" long, 1/4" thick).
10	N/A		85		sw		GRAVELLY MEDIUM SAND; Dark gray, (10yr 5/1), (20% 1" angular gravel, 75%-85% medium sand, 25%-30% sand), pieces of asphalt observed, wet, FILL.
11	N/A		70				
12	N/A		70	6" Sump	sc		SANDY CLAY; Dark gray, (2.5y 3/1), (80% clay, very soft, 20% medium sand).
TOTAL DEPTH 20.0 FEET							

DRILLER : B. Deason  
 DRILLING CO. : Gregg Drilling and Testing, Inc,  
 DRILLING METHOD : 8" O.D. Hollow Stem Auger  
 SAMPLING METHOD : Split-spoon Sampler (Push)  
 PROJECT NAME: D.O. 109  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

DRAWN BY	RDB	CHECKED BY	EEM 7/19/01	FILE NAME & DISK NUMBER	HP18MW21A Rev 1
DATE	2/24/00	APPROVED BY	WBA 2-19-01		



CHRISTY BOX

BOREHOLE  
10 in. diameter

CEMENT  
BENTONITE SEAL  
1.5-7.25 ft.

BLANK CASING  
4 in. Schedule 40 PVC  
0.5-12.0 ft.

BENTONITE SEAL  
Pellets  
7.25-9.5 ft.

SANDPACK  
RMC Lonestar #2/16  
9.5-27.0 ft.

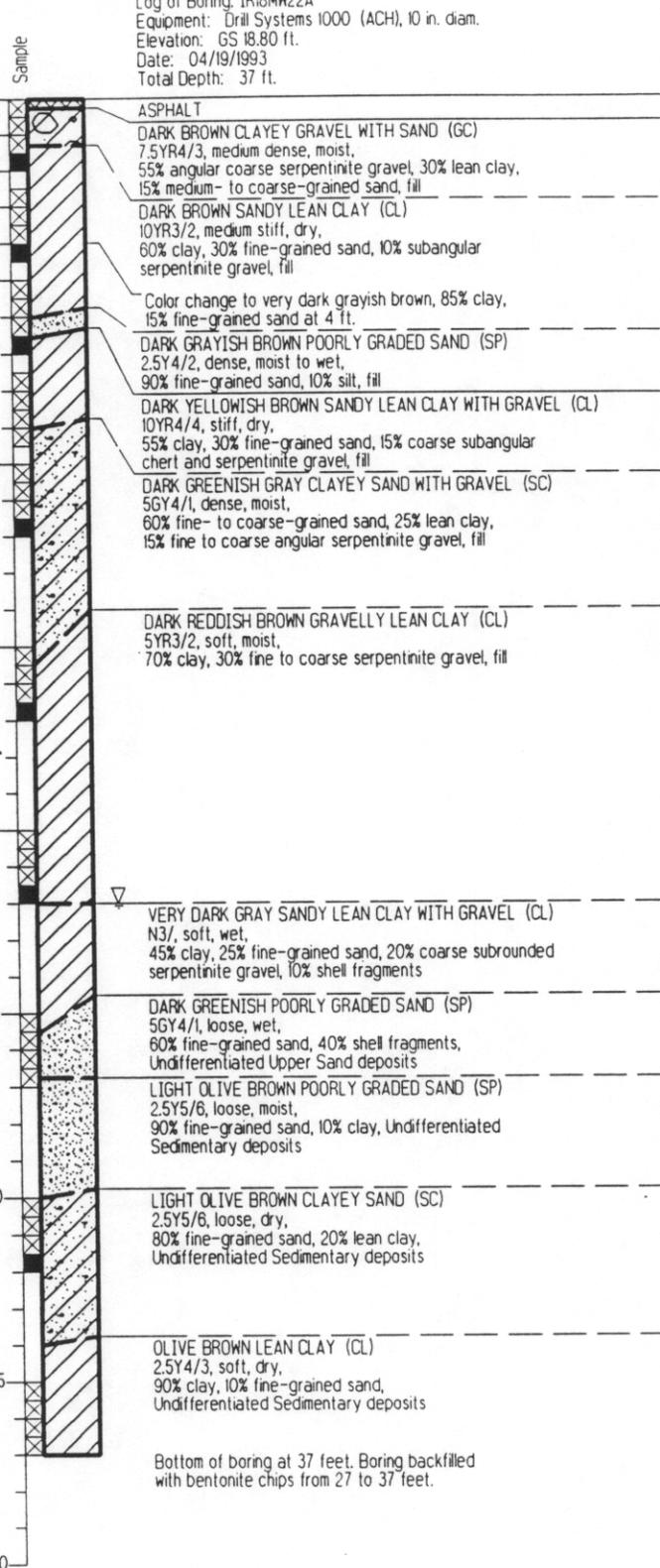
SLOTTED SCREEN  
4 in. Schedule 40 PVC  
(0.02 in. slotsize)  
12.0-27.0 ft.

BOTTOM WELL CAP  
27.0 ft.

BENTONITE  
CHIP SEAL  
27.0-37.0 ft.

Blows/6'	OVA (ppm)	Sample Number
16		
9		
9	0	9316A708
15		
6		
12		
12	0	9316A709
24		
10		
17		
18	1	9316A710
21		
17		
14		
14	1	
15		
14		
18		
15	0	9316A712
18		
10		
5		
6	3	9316A713
6		
4		
6		
4		
5	20	9316A714
4		
3		
2		
6		
4		
7		
7	0	9316A715
9		
4		
7		
7		
9	0	

Depth (ft.)



PLATE



Harding Lawson Associates  
Engineering and  
Environmental Services

Log of Boring and Well Completion IR18MW22A  
Naval Station, Treasure Island  
Hunters Point Annex  
San Francisco, California

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
LRH	11400 081405		03/94	

CHRISTY BOX

BOREHOLE  
8 in. diameter

CEMENT  
BENTONITE SEAL  
1.0-8.0 ft.

BLANK CASING  
2 in. Schedule 40 PVC  
0.5-12.0 ft.

BENTONITE SEAL  
Pellets  
8.0-10.0 ft.

SANDPACK  
RMC Lonestar #2/16  
10.0-27.0 ft.

SLOTTED SCREEN  
2 in. Schedule 40 PVC  
(0.02 in. slotsize)  
12.0-27.0 ft.

BOTTOM WELL CAP  
27.0 ft.

Blows/6'

OVA (ppm)

Sample  
Number

10  
15  
50

1

7  
10  
6

0

2  
3  
5

6

2  
3  
6

5

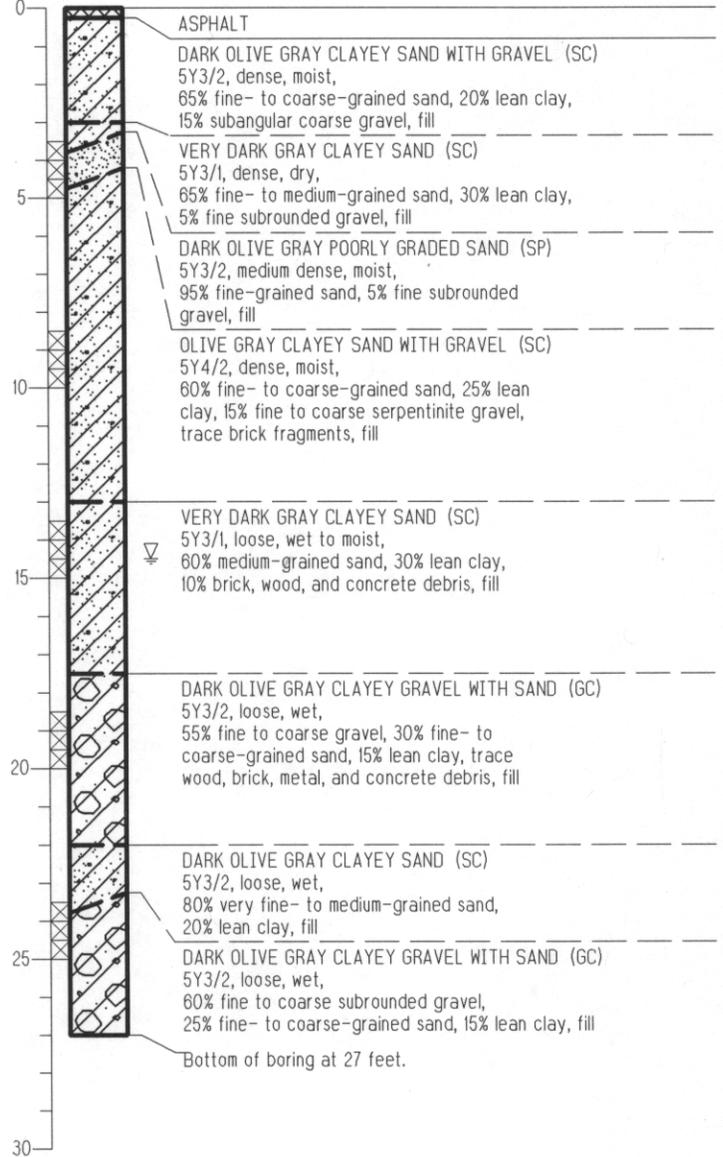
3  
4  
4

0

Depth (ft.)

Sample

Log of Boring: IR18P21A1  
Equipment: CME 75 (HSA), 8 in. diam.  
Elevation: GS 17.77 ft.  
Date: 09/27/1993  
Total Depth: 27 ft.



**Herding Lawson Associates**  
Engineering and  
Environmental Services

Log of Boring and Well Completion IR18P21A1  
Naval Station, Treasure Island  
Hunters Point Annex  
San Francisco, California

PLATE

DRAWN  
mf

JOB NUMBER  
11400 1402

APPROVED

DATE  
10/95

REVISED DATE

CHRISTY BOX

BOREHOLE  
8 in. diameter

CEMENT  
BENTONITE SEAL  
1.0-8.0 ft.

BLANK CASING  
2 in. Schedule 40 PVC  
0.5-12.0 ft.

BENTONITE SEAL  
Pellets  
8.0-10.0 ft.

SANDPACK  
RMC Lonestar #2/16  
10.0-27.5 ft.

SLOTTED SCREEN  
2 in. Schedule 40 PVC  
(0.02 in. slotsize)  
12.0-27.5 ft.

BOTTOM WELL CAP  
27.5 ft.

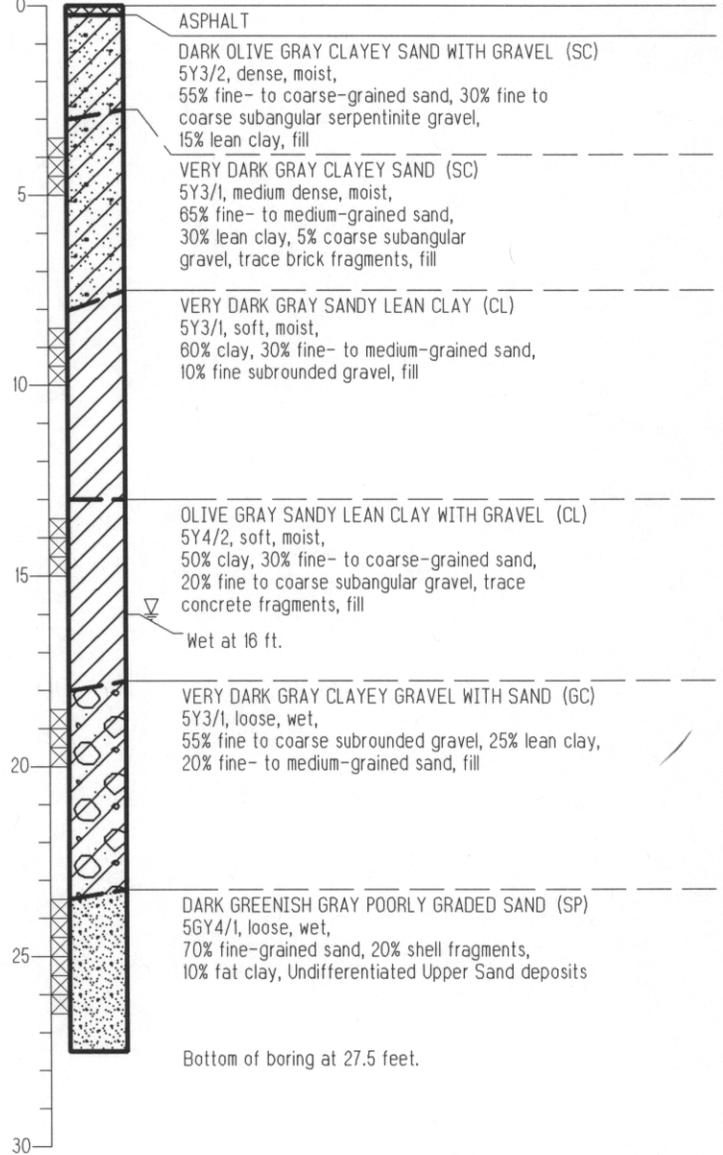
Blows/6'

OVA (ppm)

Sample  
Number

Depth (ft.)

Log of Boring: IR18P21A2  
Equipment: CME 75 (HSA), 8 in. diam.  
Elevation: GS 17.82 ft.  
Date: 09/27/1993  
Total Depth: 27.5 ft.



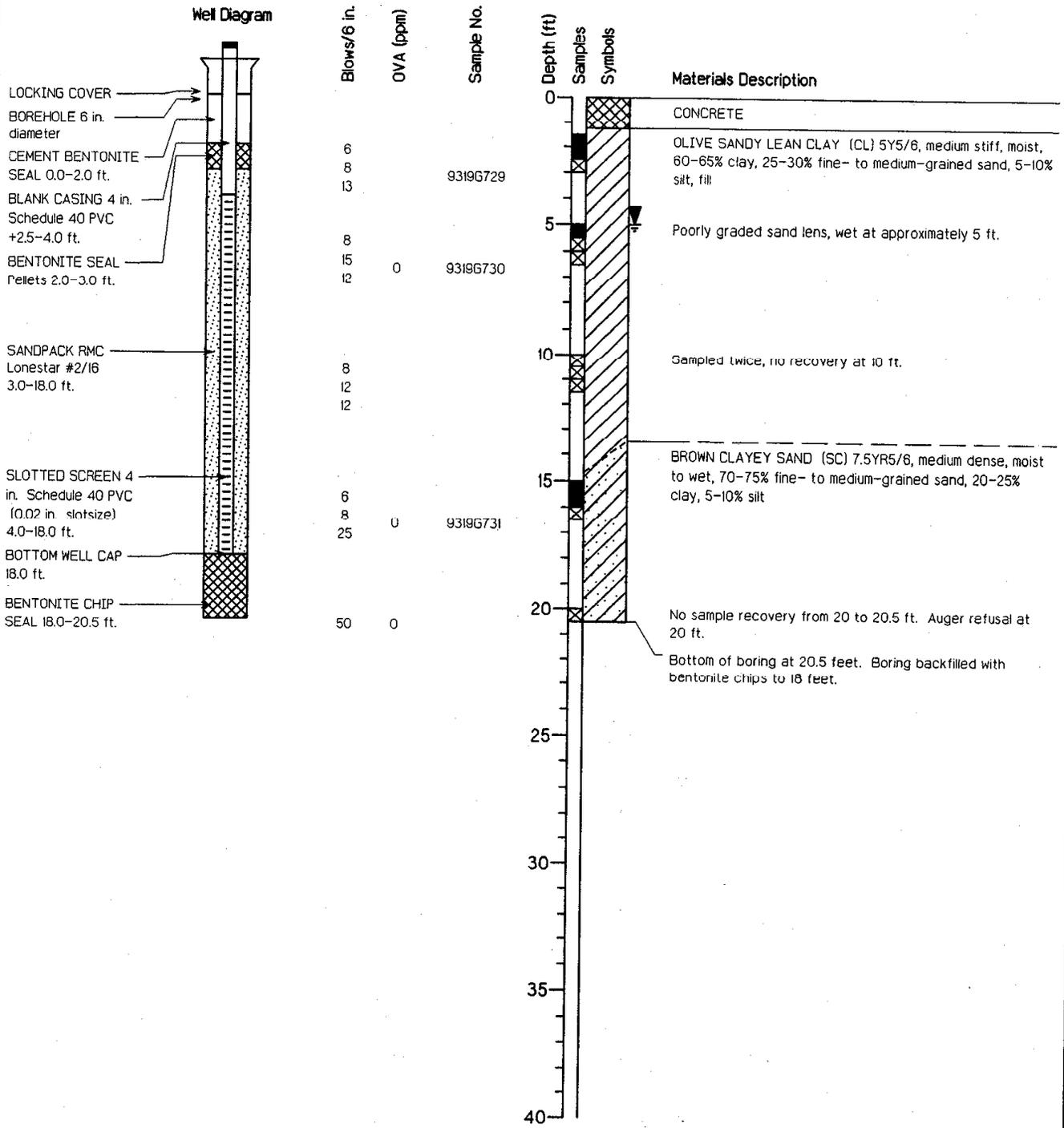
**Harding Lawson Associates**  
Engineering and  
Environmental Services

Log of Boring and Well Completion IR18P21A2

PLATE

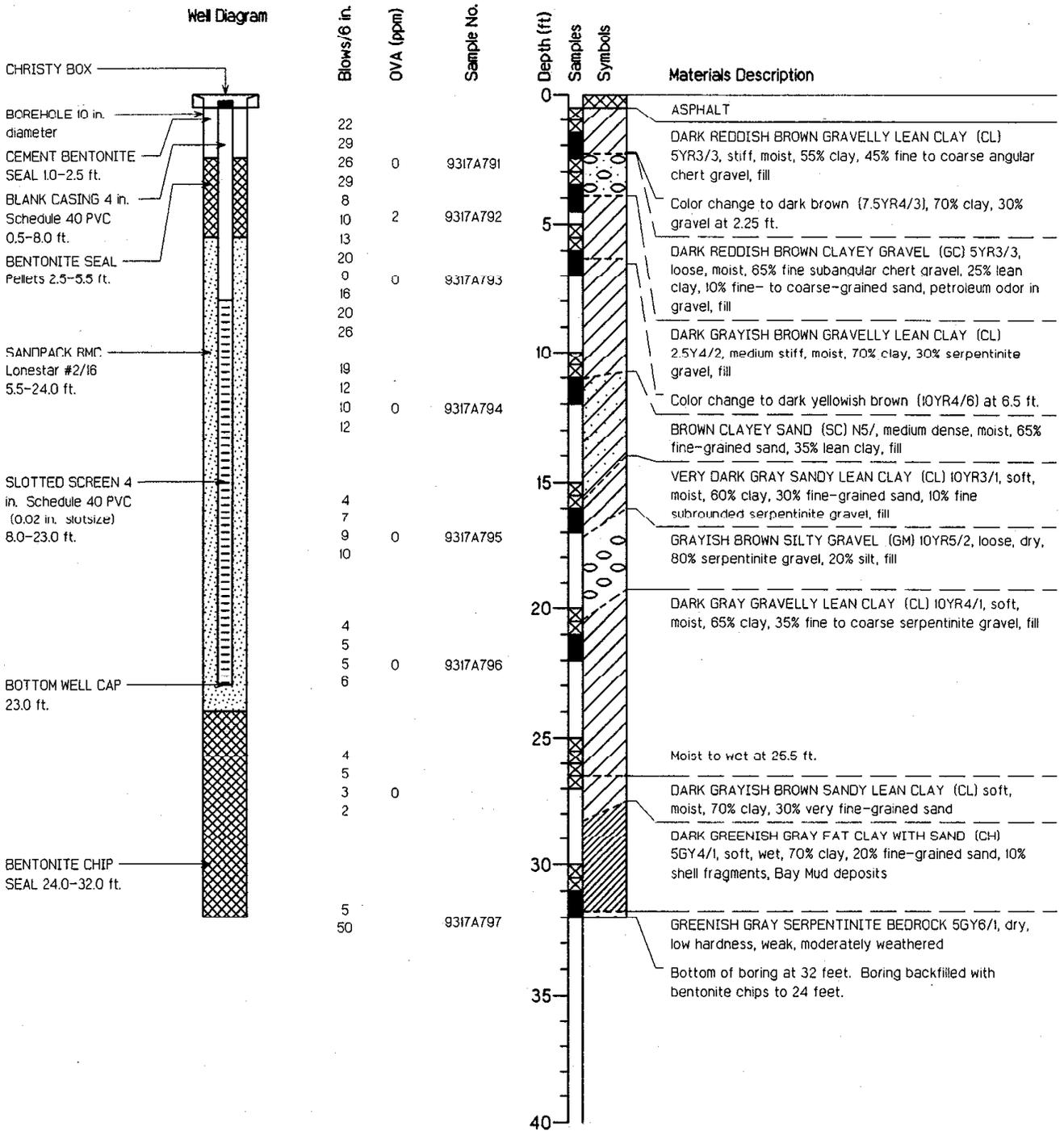
Naval Station, Treasure Island  
Hunters Point Annex  
San Francisco, California

DRAWN mf	JOB NUMBER 11400 1402	APPROVED	DATE 10/95	REVISED DATE
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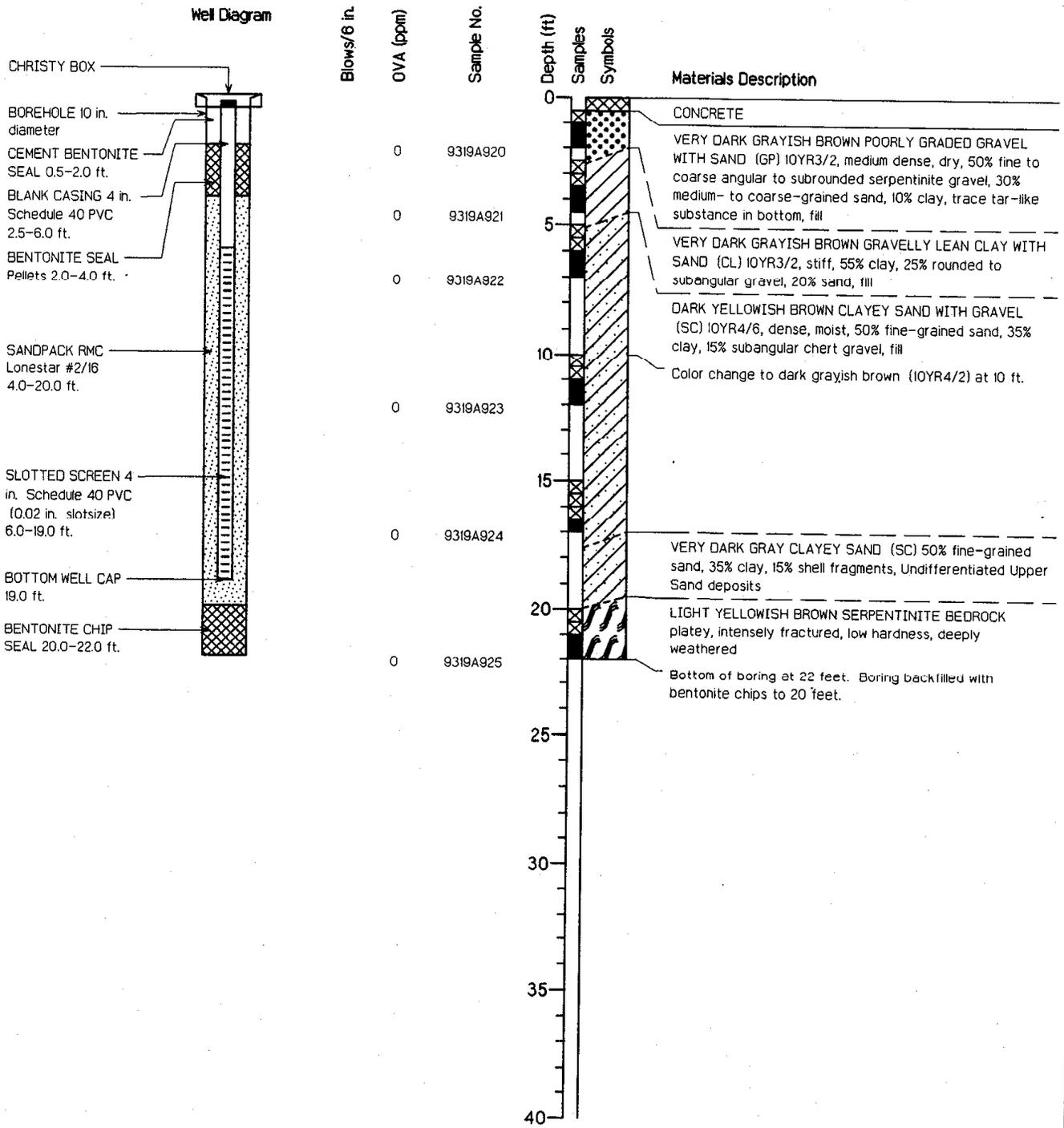
Project Number	11400 081405	Date Drilled	05/14/1993
Project Name	Parcel R RT Report	GS Elevation	9.42 ft.
Project Task	Hunters Point Annex	Water Level	5 ft.
Project Location	San Francisco, California	Total Depth Of Hole	20.5 ft.
Equipment	Limited Access Rig (CFA), 3 in. diam.		

Figure

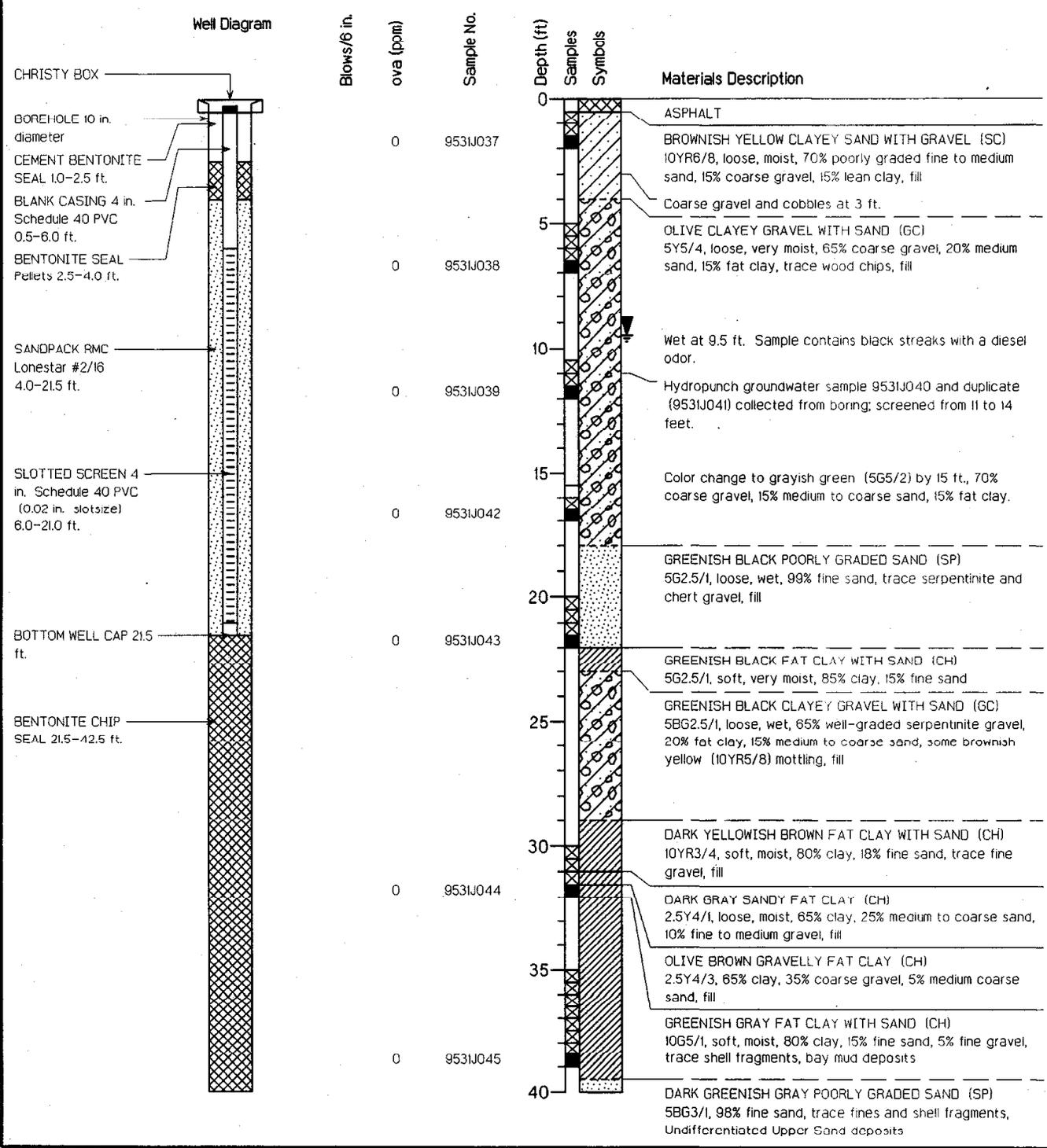


<b>Project Number</b> 11400 081405	<b>Date Drilled</b> 04/28/1993
<b>Project Name</b> Parcel B RI Report	<b>GS Elevation</b> 10.40 ft.
<b>Project Task</b> Hunters Point Annex	<b>Water Level</b> None Encountered
<b>Project Location</b> San Francisco, California	<b>Total Depth Of Hole</b> 32 ft.
<b>Equipment</b> Drill Systems 1000 (ACH), 10 in. diam.	

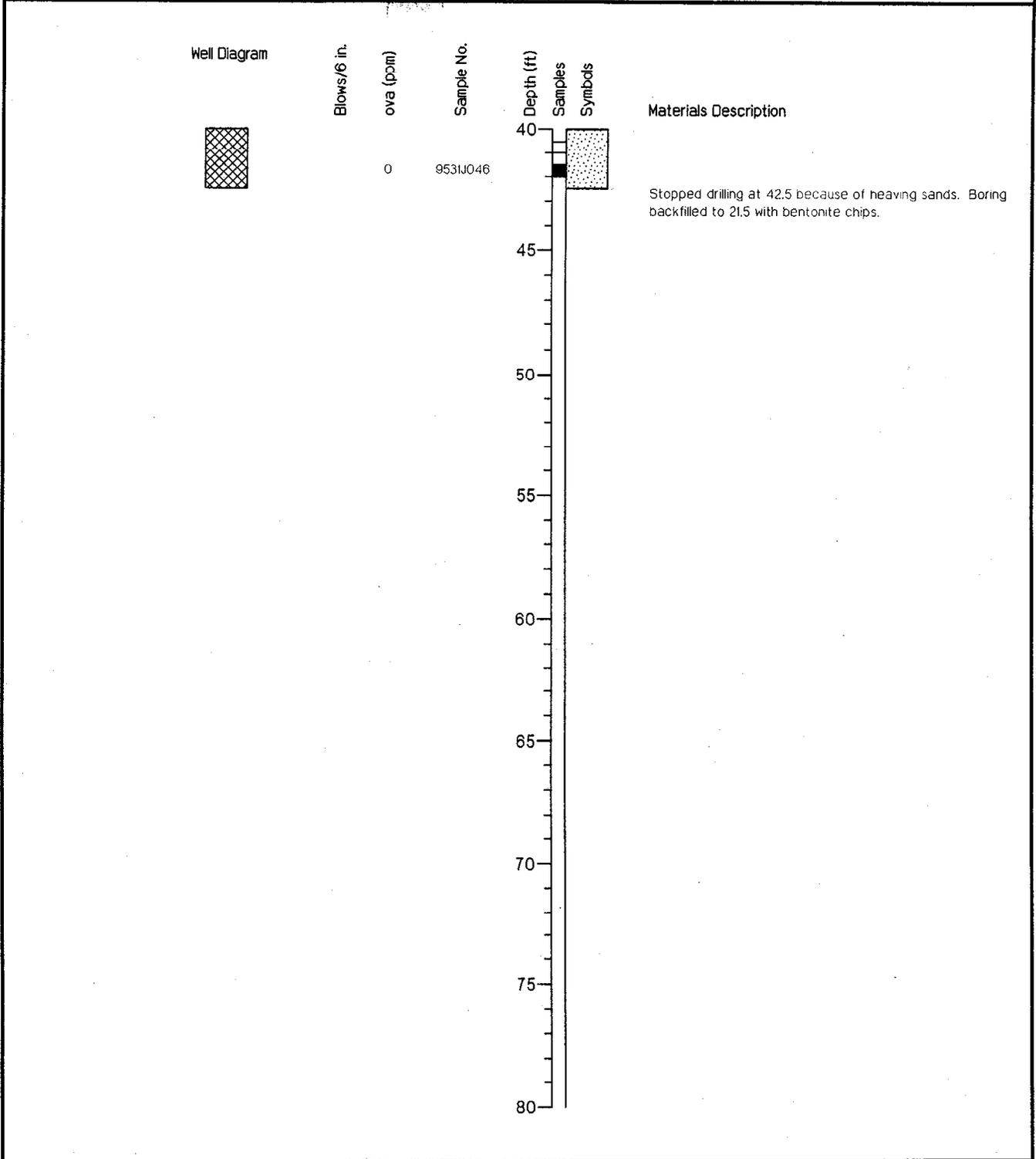
**Figure**



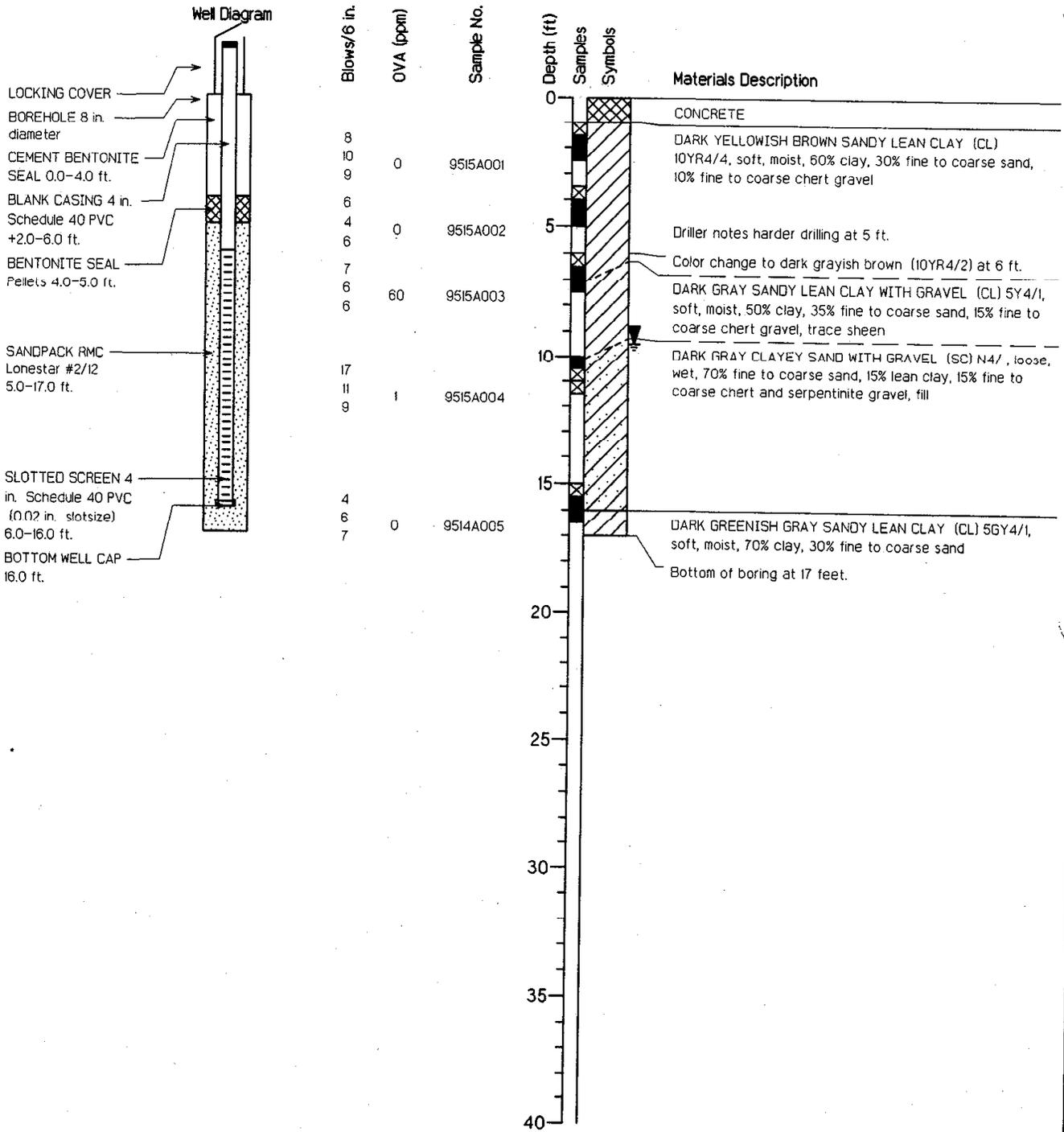
Project Number	11400 081405	Date Drilled	05/11/1993	Figure
Project Name	Parcel B RI Report	GS Elevation	10.96 ft.	
Project Task	Hunters Point Annex	Water Level	None Encountered	
Project Location	San Francisco, California	Total Depth Of Hole	22 ft.	
Equipment	Drill Systems 1000 (ACH), 10 in. diam.			



Project Number	CTO II	Date Drilled	8/1/95	Figure
Project Name	Parcel B RI Report	GS Elevation	9.84 ft.	
Project Task	Hunters Point Annex	Water Level	9.5 ft.	
Project Location	San Francisco, California	Total Depth Of Hole	42.5 ft.	
Equipment	Air Rig (ACH), 10 in. diam			



Project Number	CTO 11	Date Drilled	8/1/95	Figure
Project Name	Parcel B RI Report	GS Elevation	9.84 ft.	
Project Task	Hunters Point Annex	Water Level	9.5 ft.	
Project Location	San Francisco, California	Total Depth Of Hole	42.5 ft.	
Equipment	Air Rig (ACH), 10 in. diam.			

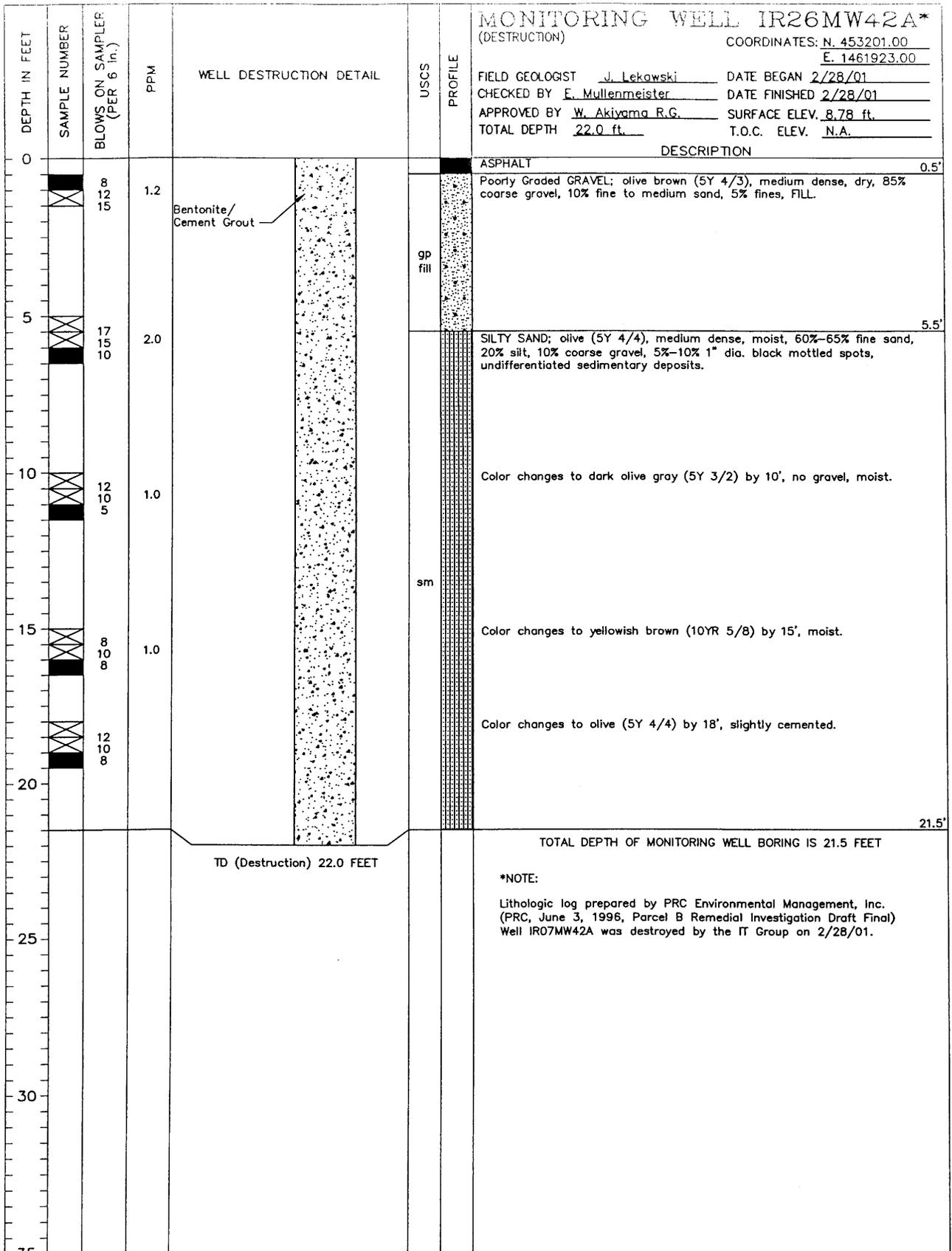


Project Number	11400 1402	Date Drilled	04/10/1995	Figure
Project Name	Parcel B RI Report	GS Elevation	9.20 ft.	
Project Task	Hunters Point Annex	Water Level	9.5 ft.	
Project Location	San Francisco, California	Total Depth Of Hole	17 ft.	
Equipment	Gidding Probc. (HSA), 8 in. diam.			

**MONITORING WELL IR26MW42A\***  
(DESTRUCTION)

COORDINATES: N. 453201.00  
E. 1461923.00

FIELD GEOLOGIST J. Lekawski DATE BEGAN 2/28/01  
CHECKED BY E. Mullenmeister DATE FINISHED 2/28/01  
APPROVED BY W. Akiyama R.G. SURFACE ELEV. 8.78 ft.  
TOTAL DEPTH 22.0 ft. T.O.C. ELEV. N.A.



**DESTRUCTION INFORMATION**

DRILLER : T. McAdoo  
DRILLING CO. : Precision Sampling, Inc.  
DRILLING METHOD : 11" O.D. Hollow Stem Auger  
SAMPLING METHOD : N.A.  
PROJECT NAME: Hunters Point Shipyard  
LOCATION : Hunters Point Shipyard  
PROJECT NO. : 773247

DRAWN BY	T.R.S.	CHECKED BY	<i>EE/M 7/17/01</i>	FILE NAME & DISK NUMBER	773247-A561
DATE	7/6/01	APPROVED BY	<i>WSA 7-19-01</i>		

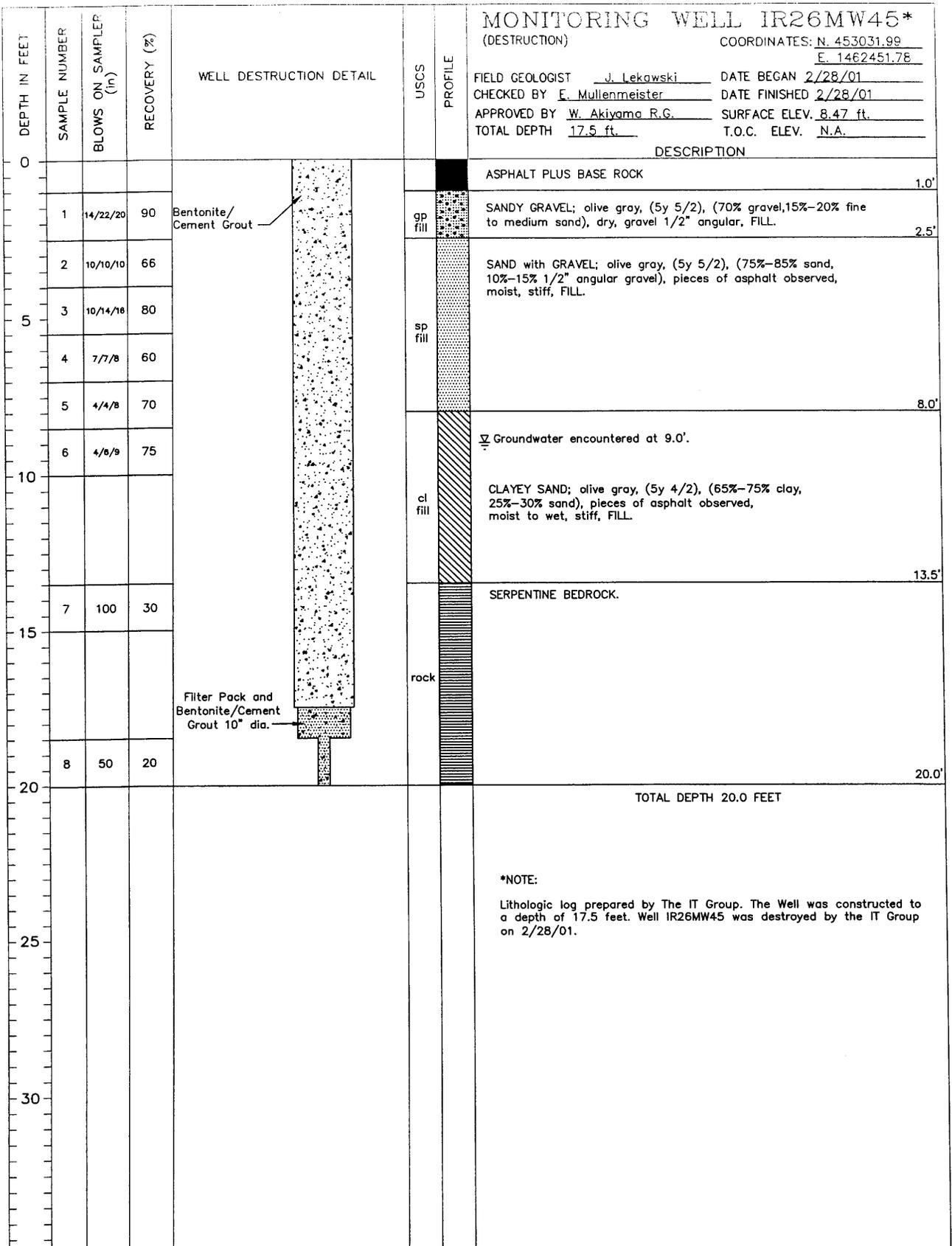


**INTERNATIONAL TECHNOLOGY CORPORATION**

# MONITORING WELL IR26MW45\*

(DESTRUCTION)      COORDINATES: N. 453031.99  
 E. 1462451.78

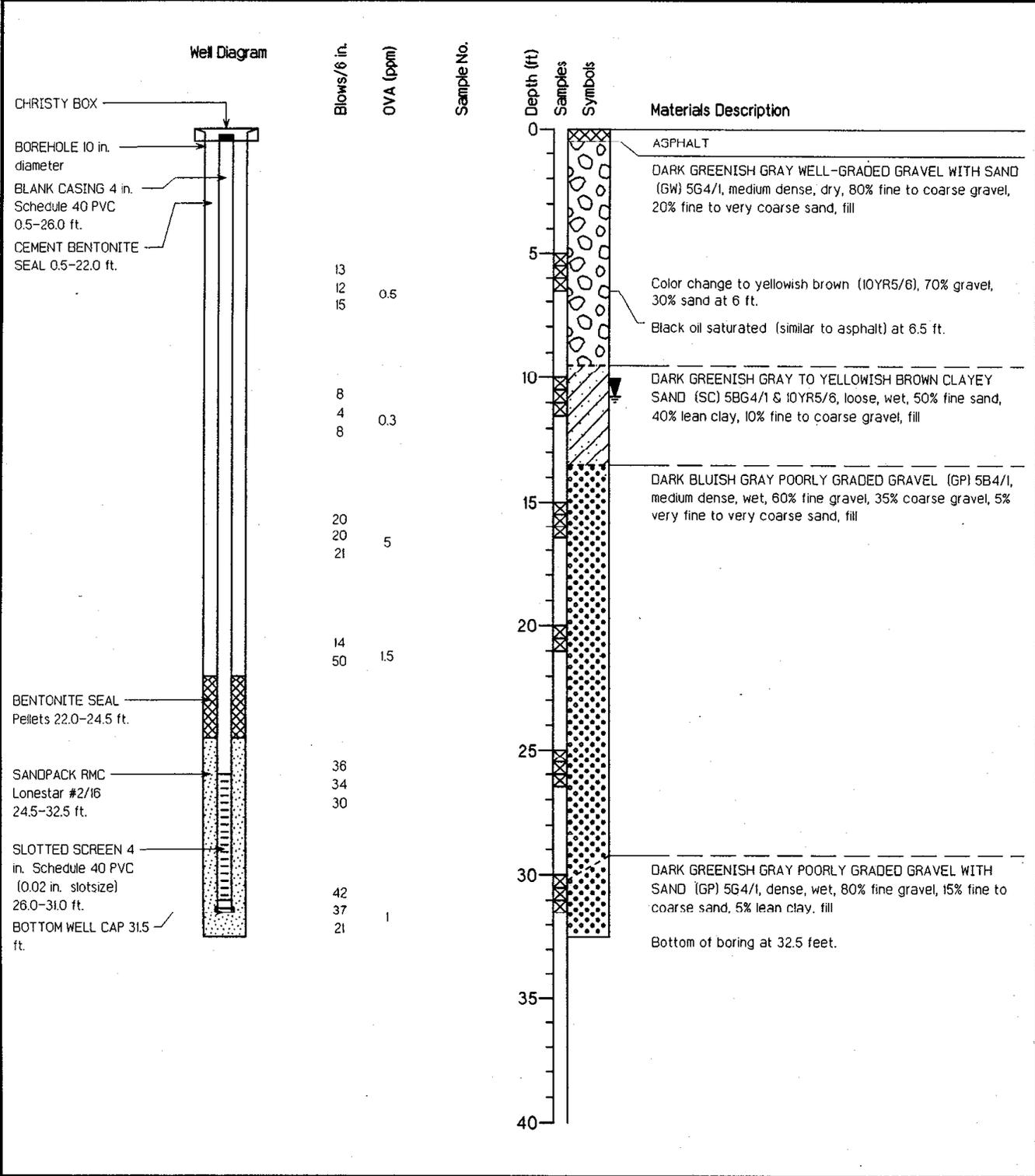
FIELD GEOLOGIST J. Lekawski      DATE BEGAN 2/28/01  
 CHECKED BY E. Mullenmeister      DATE FINISHED 2/28/01  
 APPROVED BY W. Akiyama R.G.      SURFACE ELEV. 8.47 ft.  
 TOTAL DEPTH 17.5 ft.      T.O.C. ELEV. N.A.



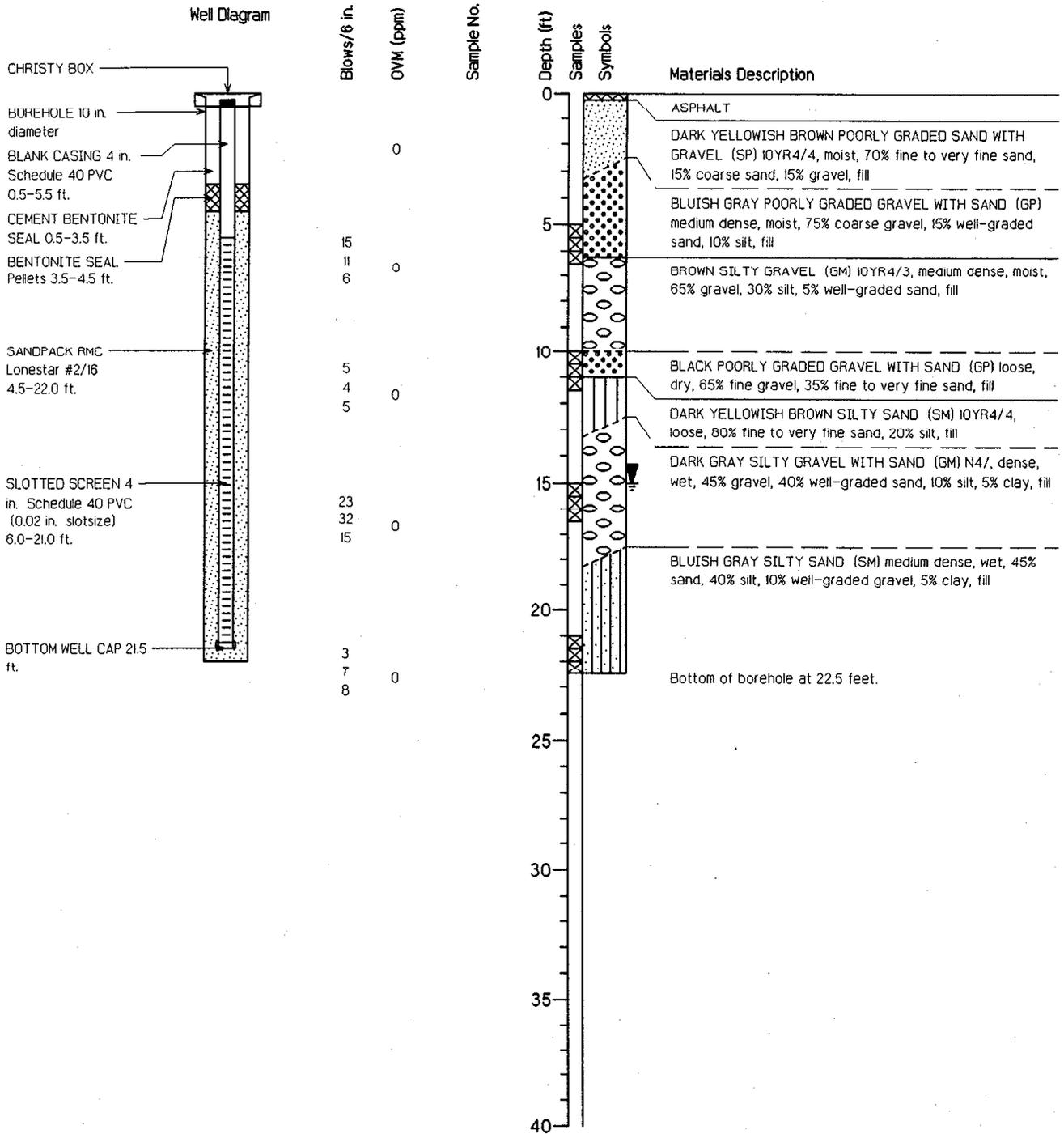
**DESTRUCTION INFORMATION**  
 DRILLER : T. McAdoo  
 DRILLING CO. : Precision Sampling, Inc.  
 DRILLING METHOD : 11" O.D. Hollow Stem Auger  
 SAMPLING METHOD : N.A.  
 PROJECT NAME: Hunters Point Shipyard  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

DRAWN BY	T.R.S.	CHECKED BY	<i>EM 7/19/01</i>	FILE NAME & DISK NUMBER
DATE	7/6/01	APPROVED BY	<i>WA 7-19-01</i>	773247-A562

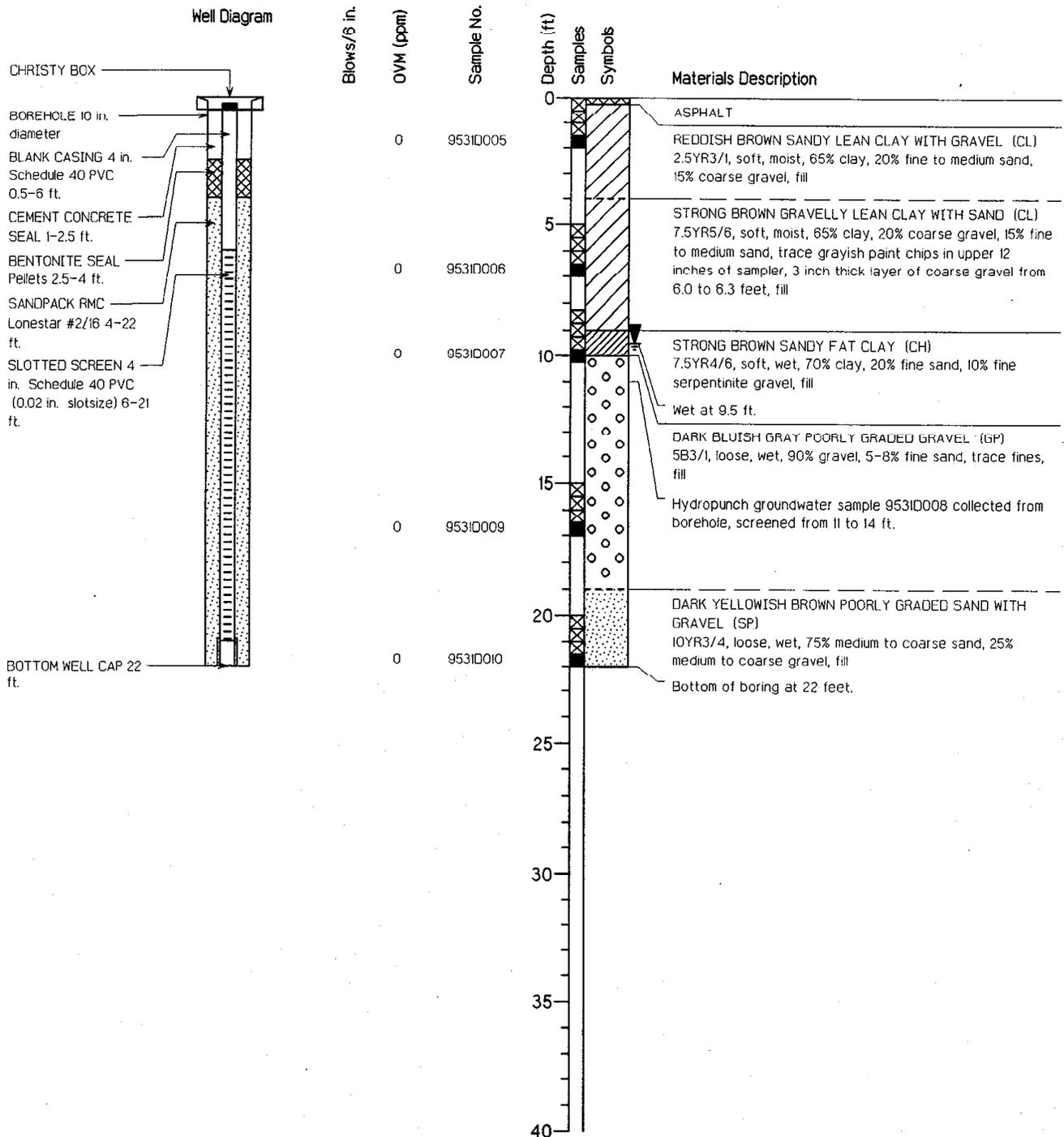




Project Number	11400 1402	Date Drilled	07/13/1994	Figure
Project Name	Parcel B RI Report	GS Elevation	9.99 ft.	
Project Task	Hunters Point Annex	Water Level	10.75 ft.	
Project Location	San Francisco, California	Total Depth Of Hole	32.5 ft.	
Equipment	Drill Tech DK-40 (HSA), 10 in. diam.			

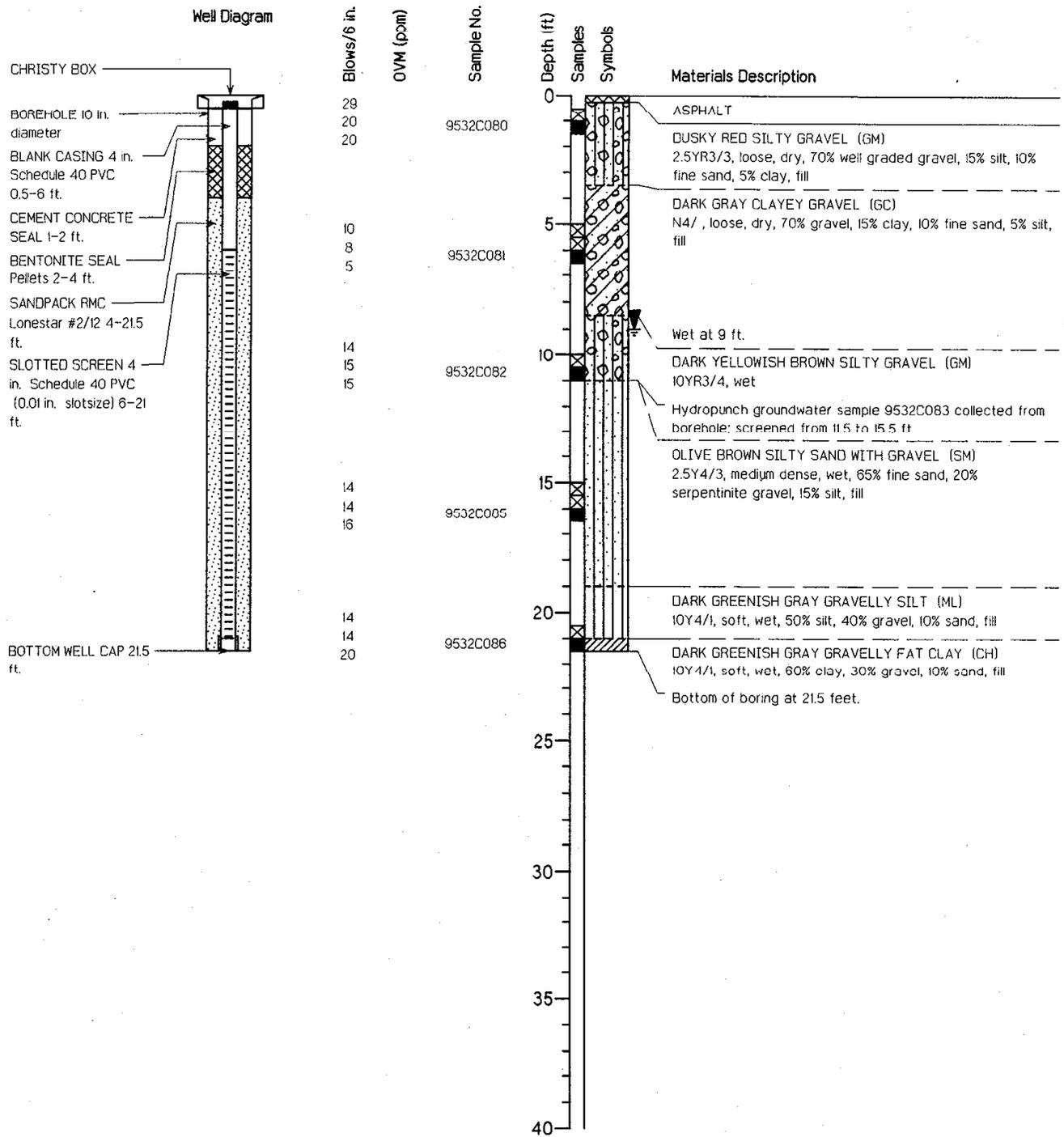


Project Number	11400 1402	Date Drilled	05/19/1994	Figure
Project Name	Parcel B RI Report	GS Elevation	10.21 ft.	
Project Task	Hunters Point Annex	Water Level	15 ft.	
Project Location	San Francisco, California	Total Depth Of Hole	22.5 ft.	
Equipment	Drill Tech DK-40 (ACH), 10 in. diam.			

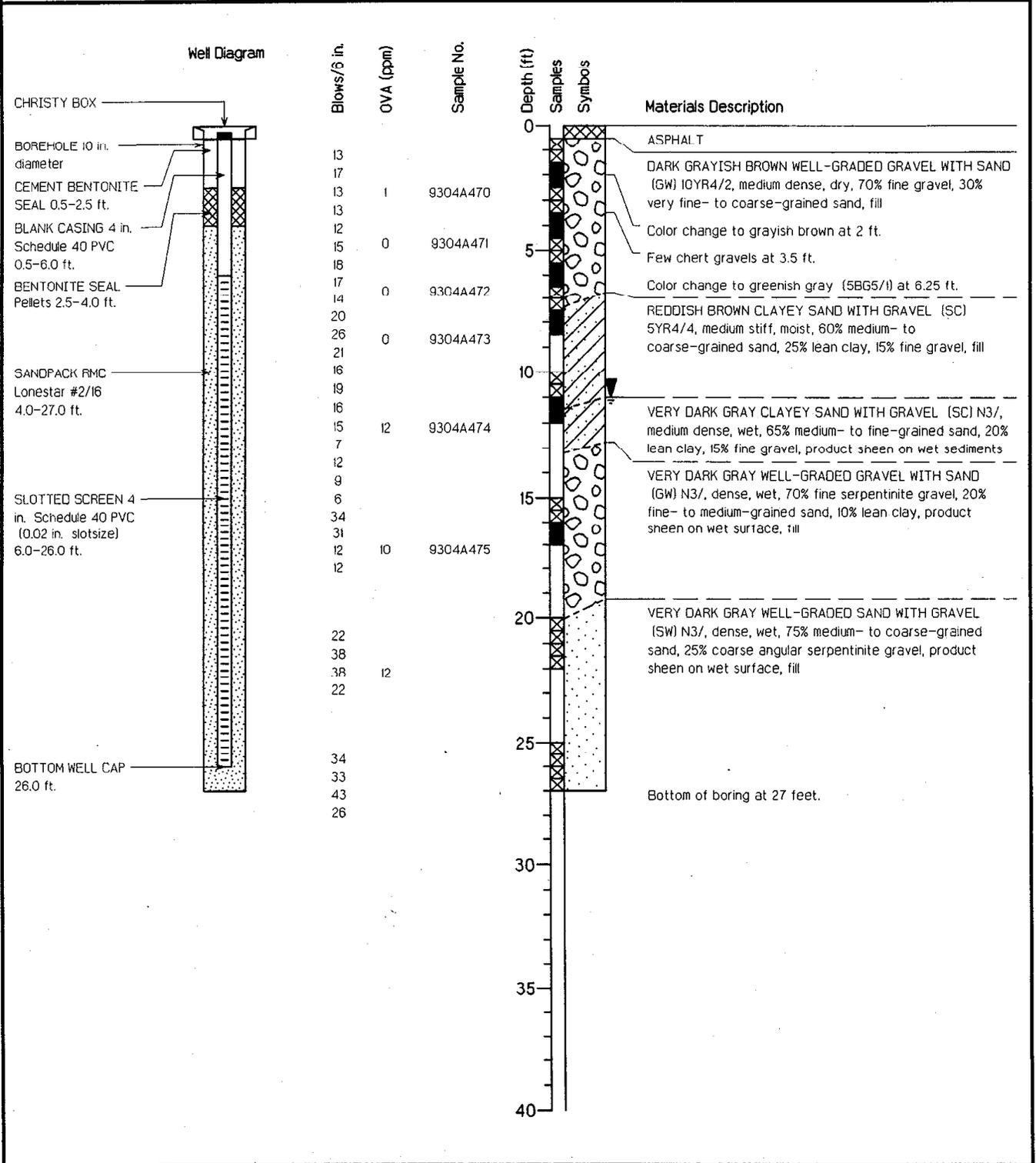


Project Number	CTO II	Date Drilled	07/31/95
Project Name	Parcel B RI Report	GS Elevation	9.68 ft.
Project Task	Hunters Point Annex	Water Level	9.5 ft.
Project Location	San Francisco, California	Total Depth Of Hole	22.0 ft.
Equipment	Air Rig (ACH), 10 in. diam.		

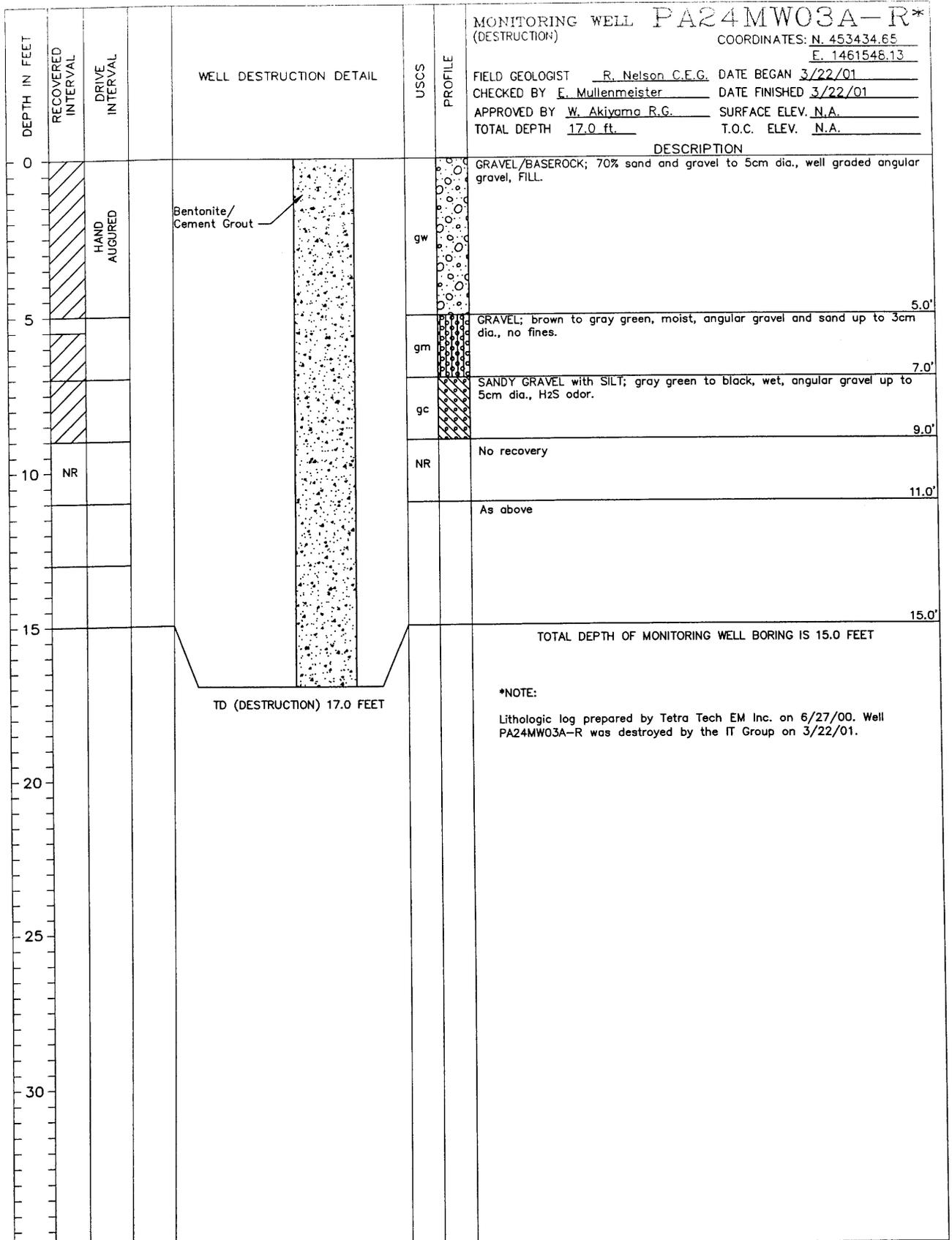
Figure



Project Number	CTO II	Date Drilled	08/09/95	Figure
Project Name	Parcel B RI Report	GS Elevation	9.77 ft.	
Project Task	Hunters Point Annex	Water Level	9 ft.	
Project Location	San Francisco, California	Total Depth Of Hole	21.5 ft.	
Equipment	Mobile Drill HDX-61 (HSA), 10 in. diam.			



Project Number	11400 081405	Date Drilled	01/25/1993	Figure
Project Name	Parcel B RI Report	GS Elevation	10.56 ft.	
Project Task	Hunters Point Annex	Water Level	11 ft.	
Project Location	San Francisco, California	Total Depth Of Hole	27 ft.	
Equipment	Drill Systems 1000 (ACH), 10 in. diam.			

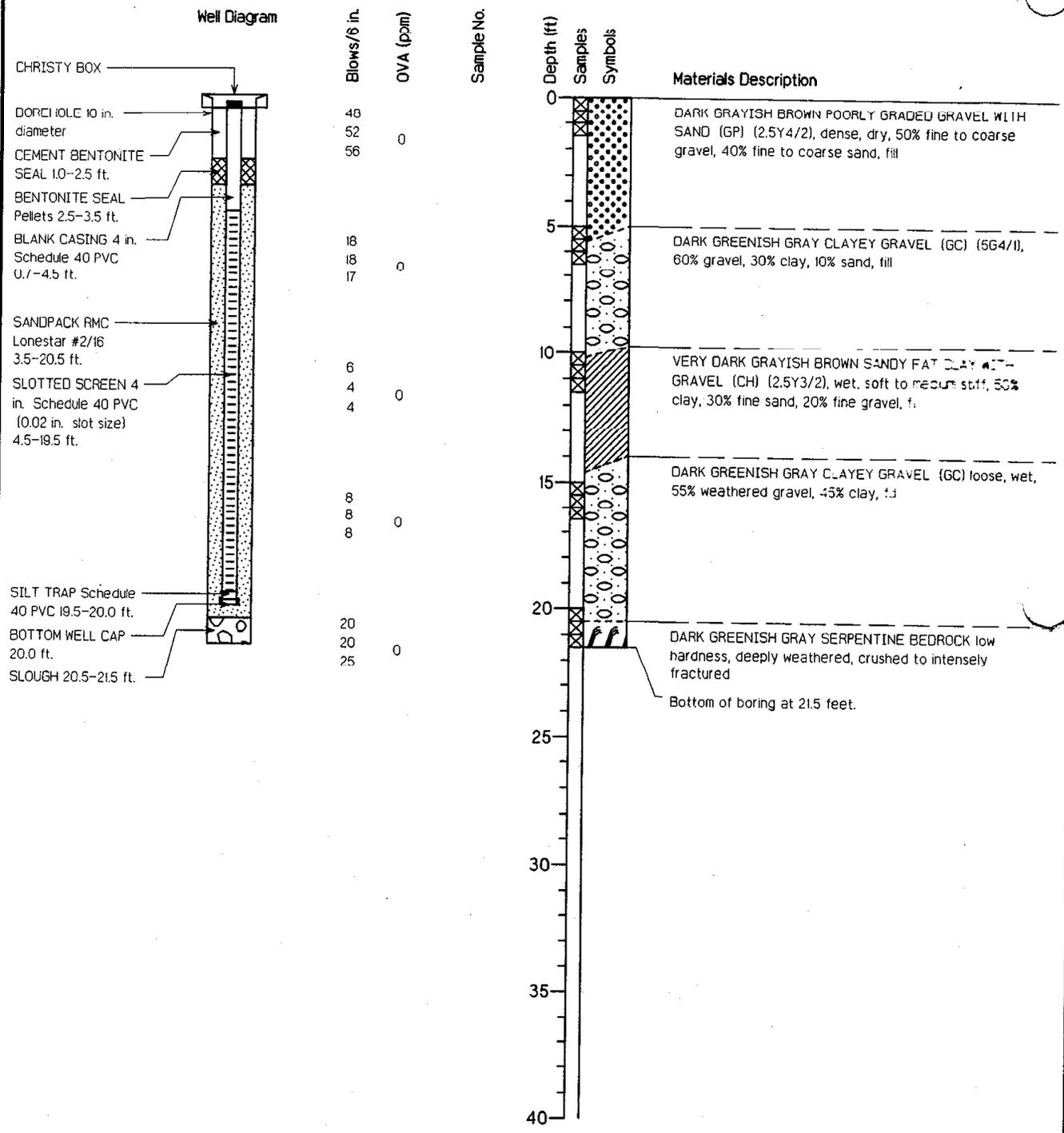


MONITORING WELL PA24MW03A-R\*  
 (DESTRUCTION) COORDINATES: N. 453434.65  
 E. 1461548.13  
 FIELD GEOLOGIST R. Nelson C.E.G. DATE BEGAN 3/22/01  
 CHECKED BY E. Mullenmeister DATE FINISHED 3/22/01  
 APPROVED BY W. Akiyama R.G. SURFACE ELEV. N.A.  
 TOTAL DEPTH 17.0 ft. T.O.C. ELEV. N.A.

DESTRUCTION INFORMATION  
 DRILLER : Rich Nessinger  
 DRILLING CO. : Gregg Drilling and Testing, Inc.  
 DRILLING METHOD : Marl 5-T (Rhino) 11" O.D. Hollow Stem Auger  
 SAMPLING METHOD : N.A.  
 PROJECT NAME: Hunters Point Shipyard  
 LOCATION : Hunters Point Shipyard  
 PROJECT NO. : 773247

DRAWN BY	T.R.S.	CHECKED BY	EEM 7/17/01	FILE NAME & DISK NUMBER	773247-A564
DATE	7/6/01	APPROVED BY	WGA 7-19-01		





Project Number	11400 1402	Date Drilled	05/18/1994
Project Name	Parcel B RI Report	GS Elevation	10.66 ft.
Project Task	Hunters Point Annex	Water Level	None Encountered
Project Location	San Francisco, California	Total Depth Of Hole	21.5 ft.
Equipment	Drill Systems 1000 (ACH), 10 in. diam.		

Figure