Harding Lawson Associates

Transmittal/Memorandum

To: U. S. EPA Region VI
1445 Ross Avenue
Dallas, Texas 75202-2733
Attn: Mr. Guy Tidmore

From: Jay Mabrey
Date: April 4, 1990
Subject: RFI Interim Report - Sparton Technology, Inc.
Job No.: 06310,039.12

Remarks:

Enclosed please find six copies of the RCRA Facility Investigation (RFI) Interim Report describing the status of the RFI in progress at Sparton Technology's Coors Road facility located in Albuquerque, New Mexico.

cc: Suzanne Moore-Mayne, NMEID
R. Mico
V. Samala
B. Thompson
J. DeWitt
G. Richardson

Engineering and Environmental Services

9800 Richmond Avenue, Suite 150, Houston, TX 77042 713/789-8050
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Harding Lawson Associates

Engineering and Environmental Services

RCRA FACILITY INVESTIGATION
(RFI) INTERIM REPORT

OGC-003093 - OGC-003220

A Report Prepared for:

Sparton Technology, Inc.
9621 Coors Road NW
Albuquerque, New Mexico

RCRA FACILITY INVESTIGATION
INTERIM REPORT

HLA Job No. 06310,039.12

by

Jay E. Mabrey, P.E.
Associate Engineer

Harding Lawson Associates
9800 Richmond Avenue, Suite 150
Houston, Texas 77042
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April 4, 1990

I INTRODUCTION

On October 17, 1989 representatives of Sparton Technology, Inc. ("Sparton") and U.S. EPA ("EPA") met in Dallas to review a draft RFI report and to discuss further plans to define the contaminant plume. It was agreed that Sparton would proceed to obtain access agreements for and install three additional off site monitoring wells in the upper flow zone, three off site monitoring wells in the lower flow zone, two onsite monitoring wells in the lower flow zone and one monitoring well onsite in the third flow zone. It was agreed and confirmed by EPA's letter dated January 29, 1990, that the Draft RFI Report would be resubmitted July 10, 1990 and that an interim report with analytical results from the added monitoring wells would be filed with EPA by April 5, 1990.

The following material constitutes the interim report.

II DESCRIPTION OF ADDITIONAL WELLS

Since October 17, 1989, Sparton has installed the following monitoring wells in its effort to define the plume:

Upper flow zone:

MWs 47, 48

Lower flow zone:

MWs 42, 43, 44, 45, 46

Third flow zone:

MW 49

Installation of one of the three wells to be installed in the upper flow zone was delayed due to difficulties in obtaining permission from the landowner. Ultimately, the analytical results from the other two upper flow zone wells negated the need for the third well, and plans to install it were abandoned.

The locations of the additional wells are shown on Figure 1. Pertinent well data is shown on Figure 2.

III DISCUSSION OF CONTAMINANT PLUME DEFINITION

Efforts to date to define the leading edge of the contaminant plume have been divided primarily between the upper and lower flow zones. These efforts have included the installation of 21 monitor wells, and repetitive analyses of these wells along with 3 pre-existing monitor wells. Figure 3 shows the location of all wells associated with the plume delineation efforts.

Initial efforts were focused on delineation of the leading edge of the plume in the upper flow zone since the focus of investigations prior to the Consent Order was in the upper flow zone, and thus a more complete set of data was available. Figure 4 shows the apparent configuration of the plume in the upper flow zone, as well as the location of all upper flow zone wells, including wells previously installed under the State program, from which data was used to construct the plume map.

Initial onsite lower flow zone wells were installed in the upper region of the lower flow zone. Analyses of these wells indicated contaminants at levels above State standards. Additional wells were then installed in the lower region of the lower flow zone. Analyses of these wells also indicated contamination above State standards in the lower region of the lower flow zone. Three offsite wells were then installed along Irving Boulevard in the upper region of the lower flow zone. Analytical results from these wells showed unexpectedly high

concentrations, increasing with distance from the source area. Figure 5 shows the location of wells in the upper region of the lower flow zone along with a limited preliminary view of the contaminant plume in this region.

Of the seven offsite wells installed along Irving Boulevard, only one (MW-34, near the intersection of Coors Road) indicated the presence of the aquitard predominant beneath the Sparton site. This aquitard apparently disappears somewhere between the Sparton property and Irving Boulevard, and the upper and lower flow zones merge into a single zone. Boring logs and well completion diagrams for all wells installed during the RFI program are included in Attachment I.

One well, MW-49, has been installed in the zone immediately beneath the lower flow zone. This zone has been termed the "third" flow zone. Analytical results from this well show only one compound (trichlorofluoromethane), not normally associated with the Sparton plume, at levels slightly above method detection limits.

Laboratory analytical data sheets for all analyses performed to date have been furnished to EPA in the various monthly reports submitted in accordance with the provisions of the Consent Order. Attachment II contains a summary of these analytical results. Attachment III contains a summary of analytical data gathered under the quarterly groundwater monitoring provisions of the State program.

IV PLANS FOR COMPLETION OF DRAFT RFI REPORT

Based on the unexpected results from testing the additional offsite wells, new implications have arisen. They include:

1. The plume has apparently migrated much farther offsite than had been originally anticipated.
2. The plume(s) appear to have merged, and only one plume appears to exist once you get a certain distance offsite.
3. The plume direction appears more northwesterly than had been originally anticipated, not withstanding that regional groundwater flow is generally more southerly; alternatively, the plume may be impacted by contaminants coming from sources northeasterly from Sparton.
4. It no longer makes sense to step out radially from the facility in order to try to find the leading edge of the plume.

These implications were all discussed with representative for EPA in Dallas on February 27, and a plan was proposed for the continuation of the contaminant plume definition. The plan is set forth in Mr. DeWitt's letter to Mr. Peycke which is attached to this interim report as Attachment IV. The proposed wells are shown on Figure 6.

To implement that plan, Sparton has taken the following steps:

1. Application has been made to the City for permits to install three wells; as a part of that application, Sparton has requested approval of additional well installations should they be needed. The City has approved that application. Drilling operations were begun on April 2.

2. Application has also been made to the County for a permit to install additional well installations in County right-of-ways should they be needed. The County approved this request at the County Board meeting on March 27.

The results from the two proposed monitoring wells and the results from the piezometer will be promptly reported to EPA, and a plan for further wells will be presented after confirmatory sampling of those wells.

As noted in Attachment IV, this plan will require an extension of the filing date of the Draft RFI Report.

TO VIEW THE MAP AND/OR MAPS WITH THIS DOCUMENT, PLEASE CALL THE HAZARDOUS WASTE BUREAU AT 505-476-6000 TO MAKE AN APPOINTMENT

FIGURE 2
MONITOR WELL SUMMARY

WELL NO.	DATE INSTALLED	MONITOR ZONE	DIAMETER (inches)	SCREENED INTERVAL
MW-42	11/89	lower(upper)	4	105.0-115.0
MW-43	11/89	lower(lower)	4	127.0-137.0
MW-44	11/89	lower(upper)	4	106.0-116.0
MW-45	11/89	lower(upper)	4	143.0-153.0
MW-46	11/89	lower(upper)	4	170.0-180.0
MW-47	12/89	upper	4	180.0-195.0
MW-48	12/89	upper	4	192.0-207.0
MW-49	1/90	third	4	137.8-147.8

Attachments

I Boring Logs and Well Completion Diagram

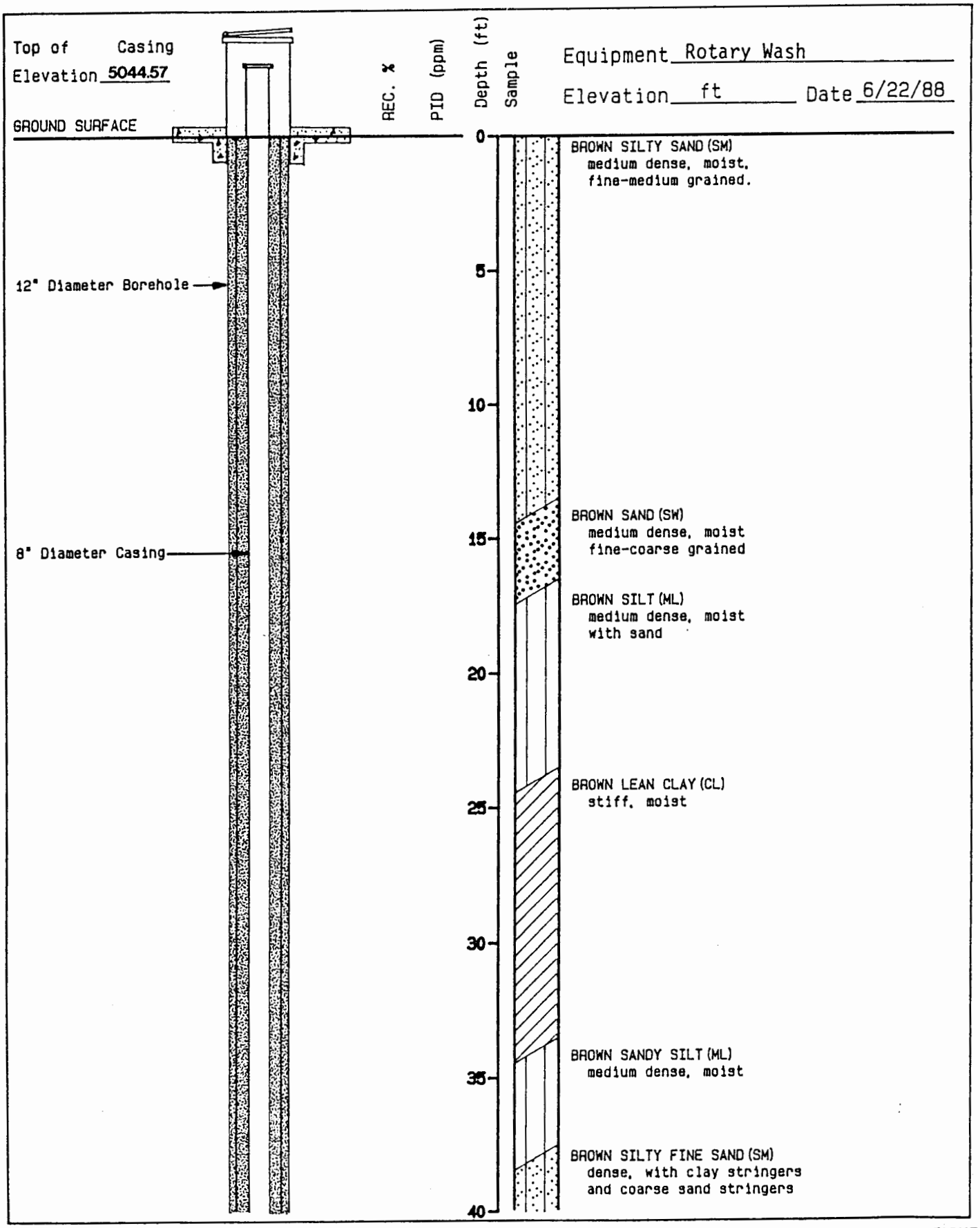
II RFI Analytical Results

III NMEID Quarterly Monitoring Analytical Results

IV DeWitt Letter

Attachment I

Boring Logs and Well Completion Diagrams



Harding Lawson Associates
Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-29 FIGURE

Sparton Technology Inc.
Albuquerque, New Mexico

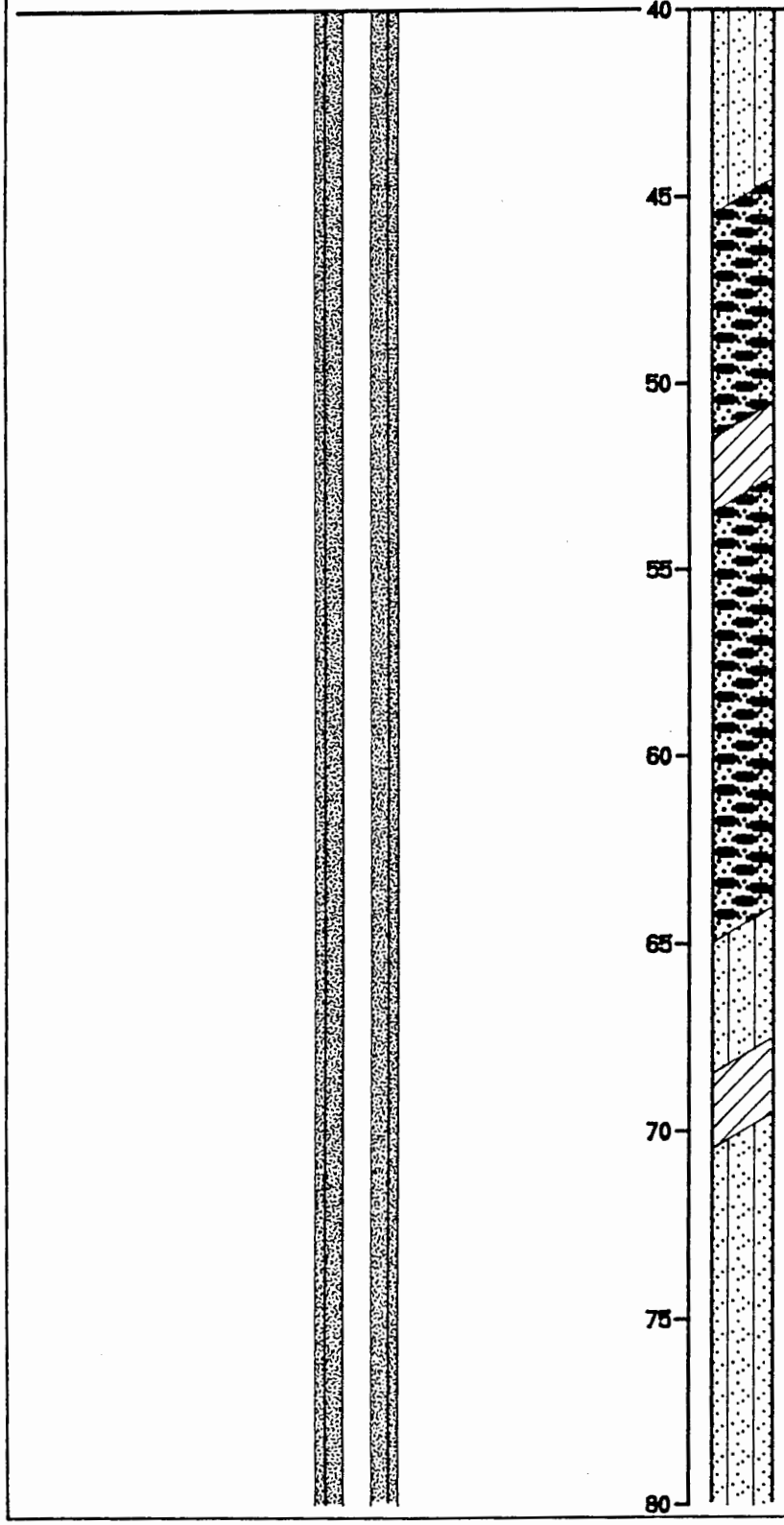
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
E.S.	06310,039.12		9/88		

OGC-003109

Equipment Rotary Wash

Elevation ft Date 6/22/88

REC. % | PID (ppm) | Depth (ft) | Sample



Harding Lawson Associates
Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-29 FIGURE

Sparton Technology Inc.

Albuquerque, New Mexico

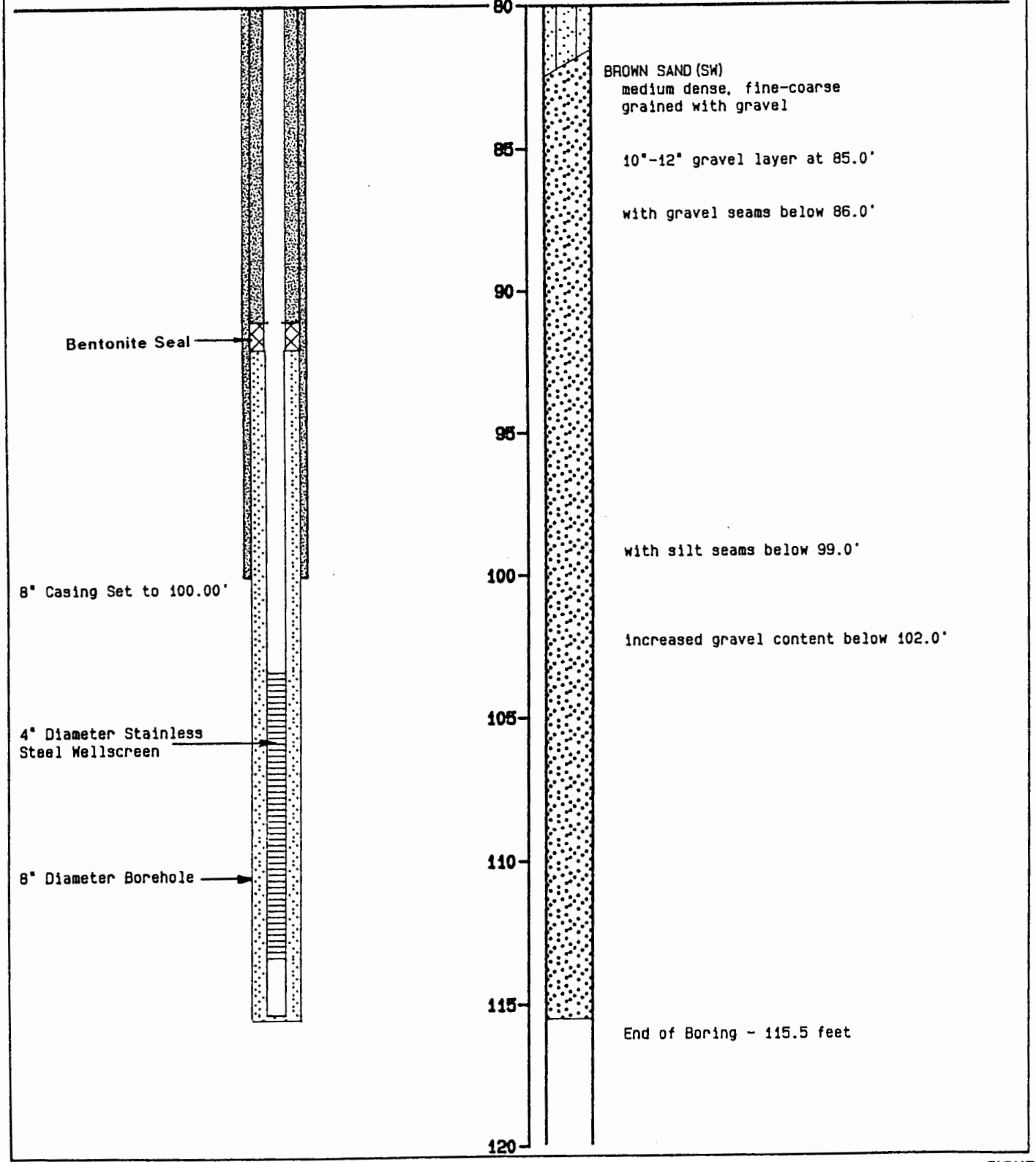
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
ES	06310,039.12		9/88		

OGC-003110

Equipment Rotary Wash

Elevation ft Date 6/22/88

REC. % | PID (ppm) | Depth (ft) | Sample



Harding Lawson Associates
Engineers and Geoscientists

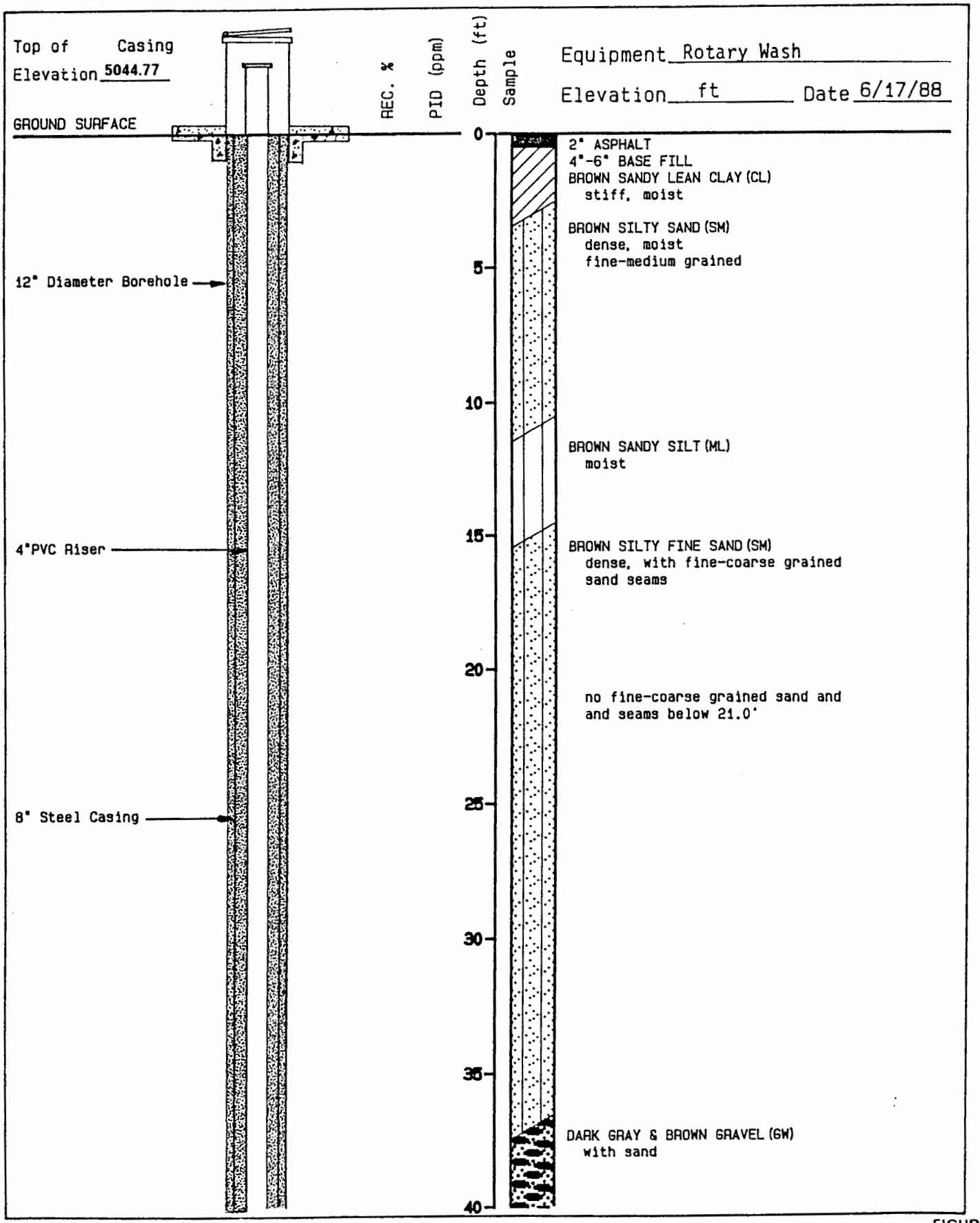
Log of Boring and Well Completion Detail MW-29 FIGURE

Sparton Technology Inc.

Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
E.S	16310,039.12		9/88		

OGC-003111



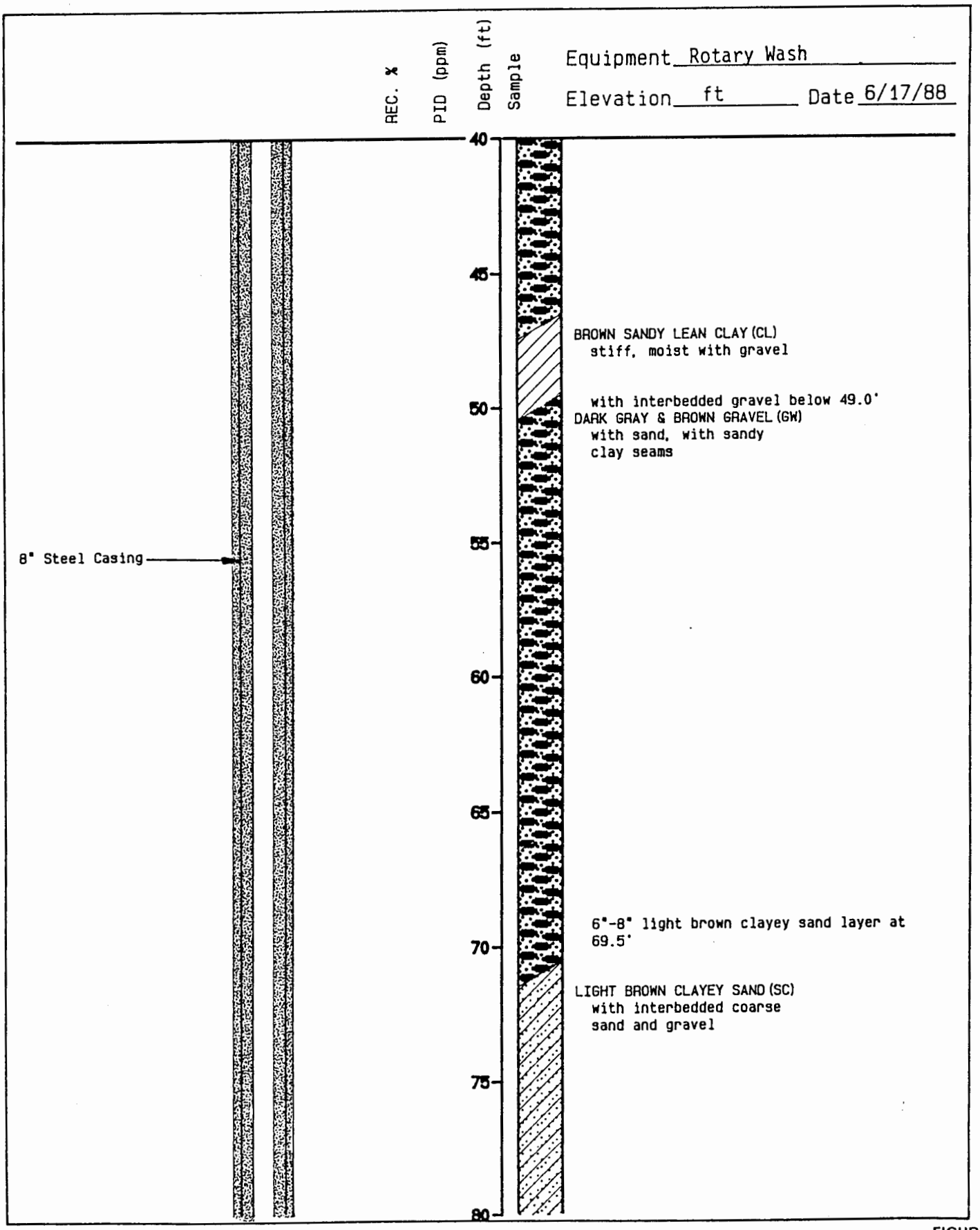
Harding Lawson Associates
Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-30
Sparton Technology Inc.
Albuquerque, New Mexico

FIGURE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
E.S.	06310,039.12		9/88		

OGC-003112



Harding Lawson Associates
Engineers and Geoscientists

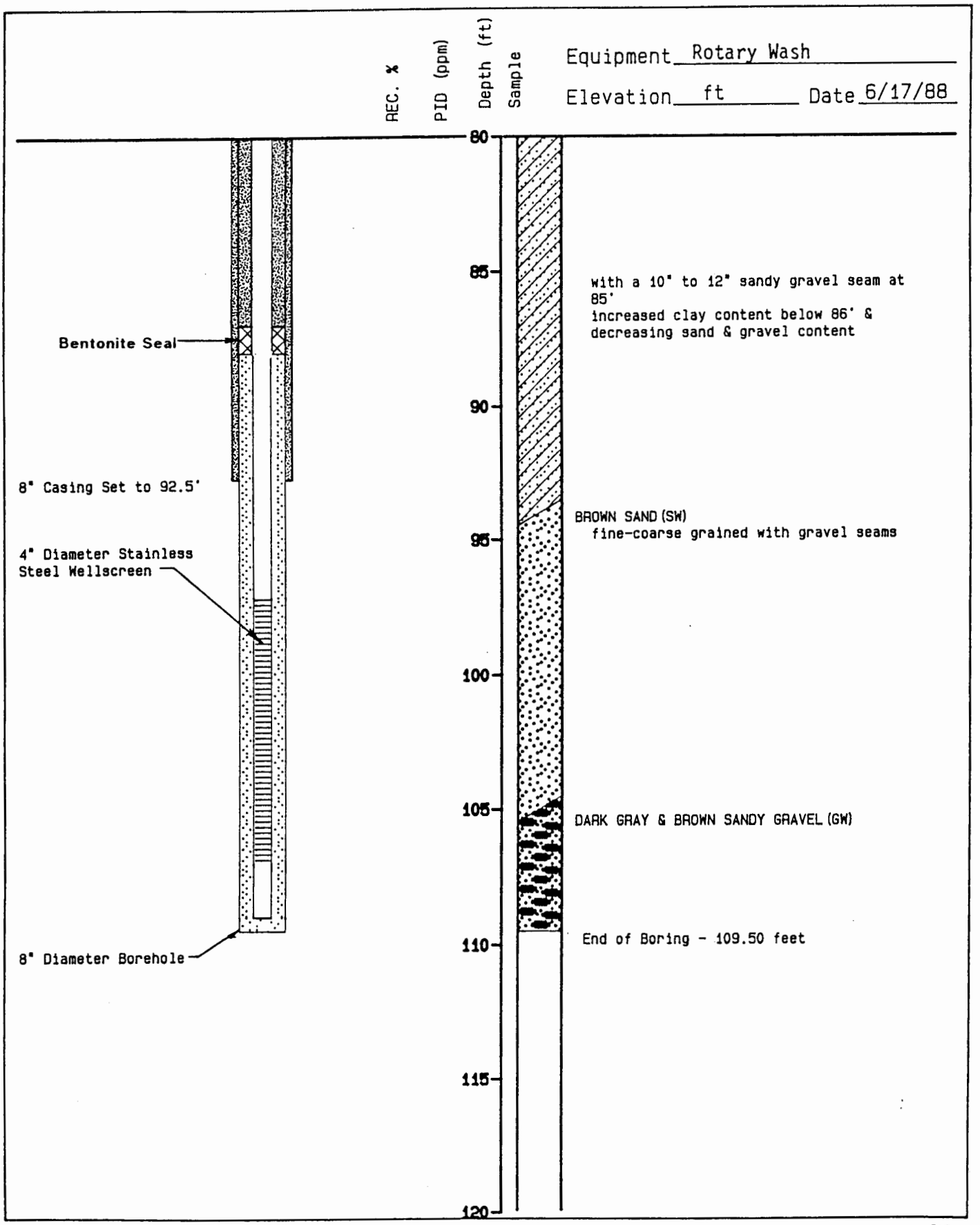
Log of Boring and Well Completion Detail MW-30

FIGURE

Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
M.	06310,039.12		9/88		

OGC-003113



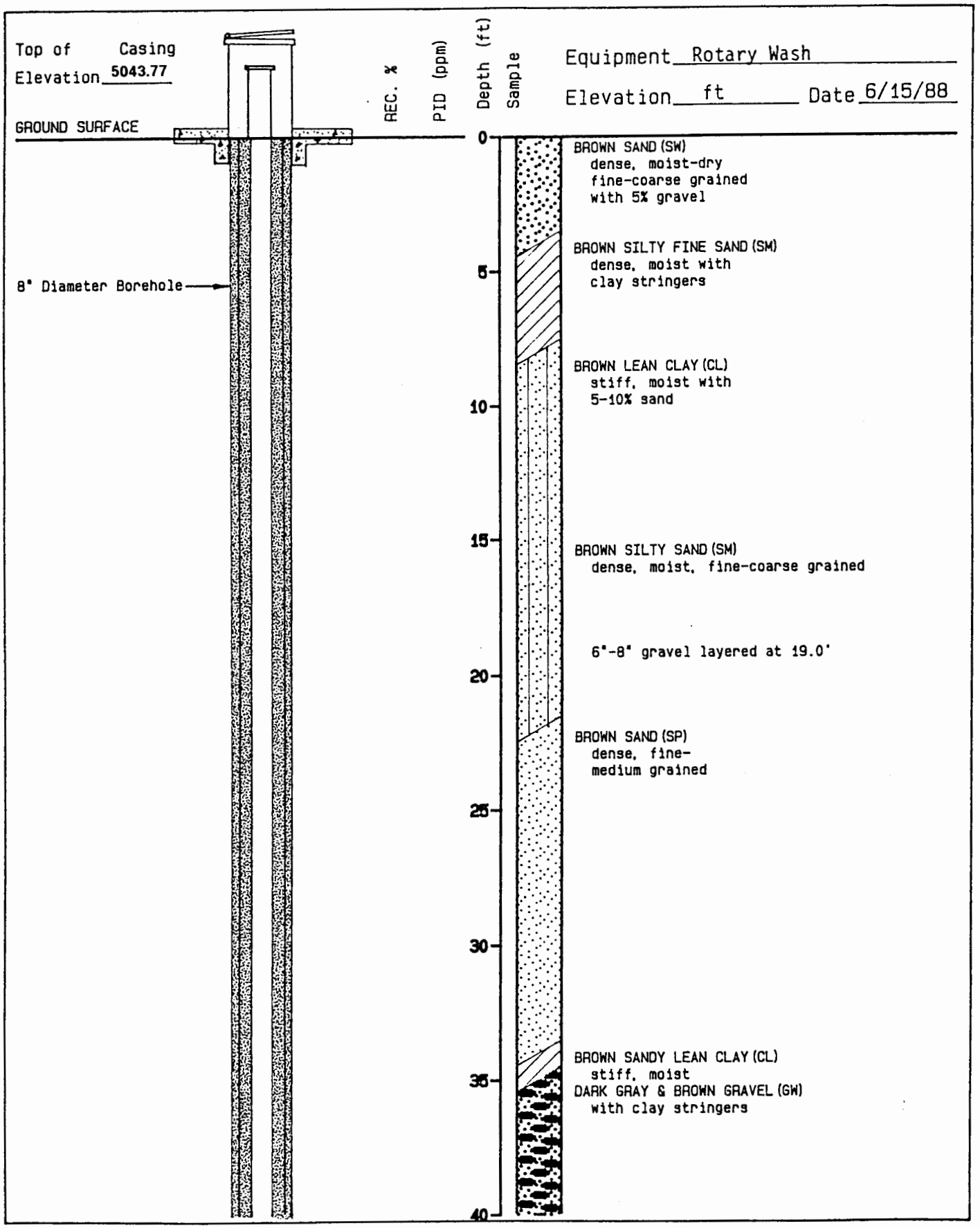
FIGURE

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-30
Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
M.K.	310,039.12		9/88		

OGC-003114



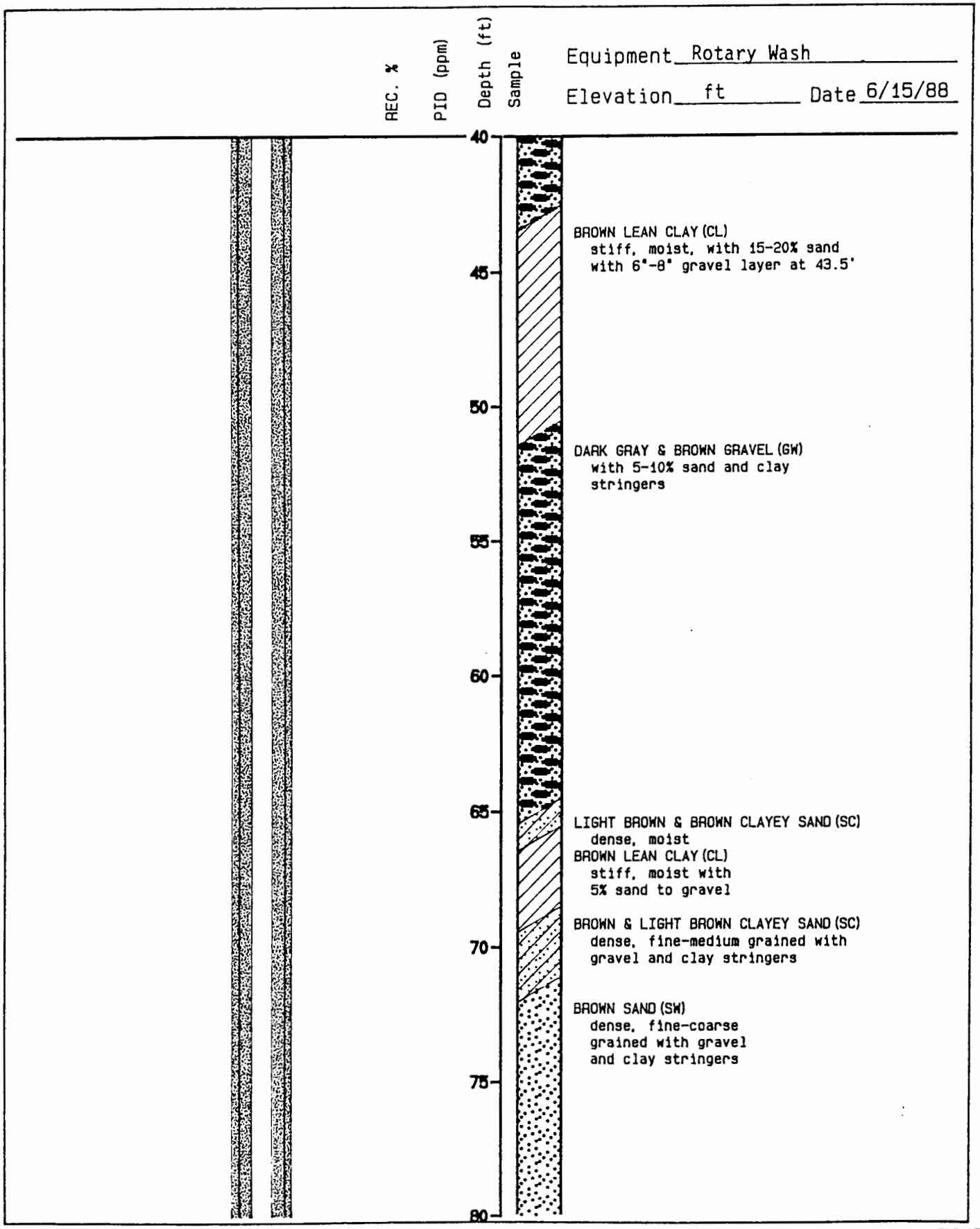
Harding Lawson Associates
Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-31 FIGURE

Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
M.K.	6310,039.12		9/88		

OGC-003115



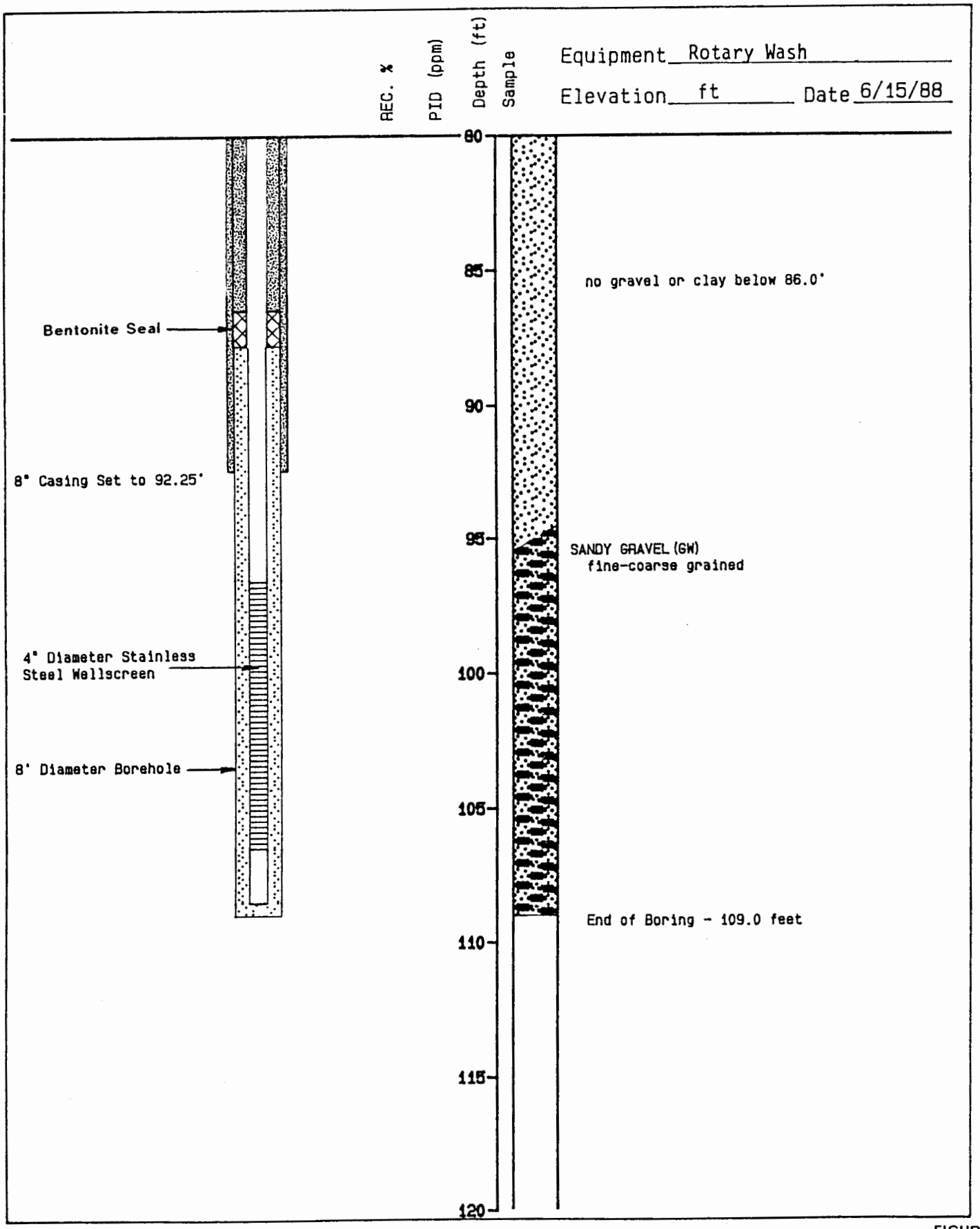
FIGURE

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-31
Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
M.K.	06310.039.12		9/88		

OGC-003116



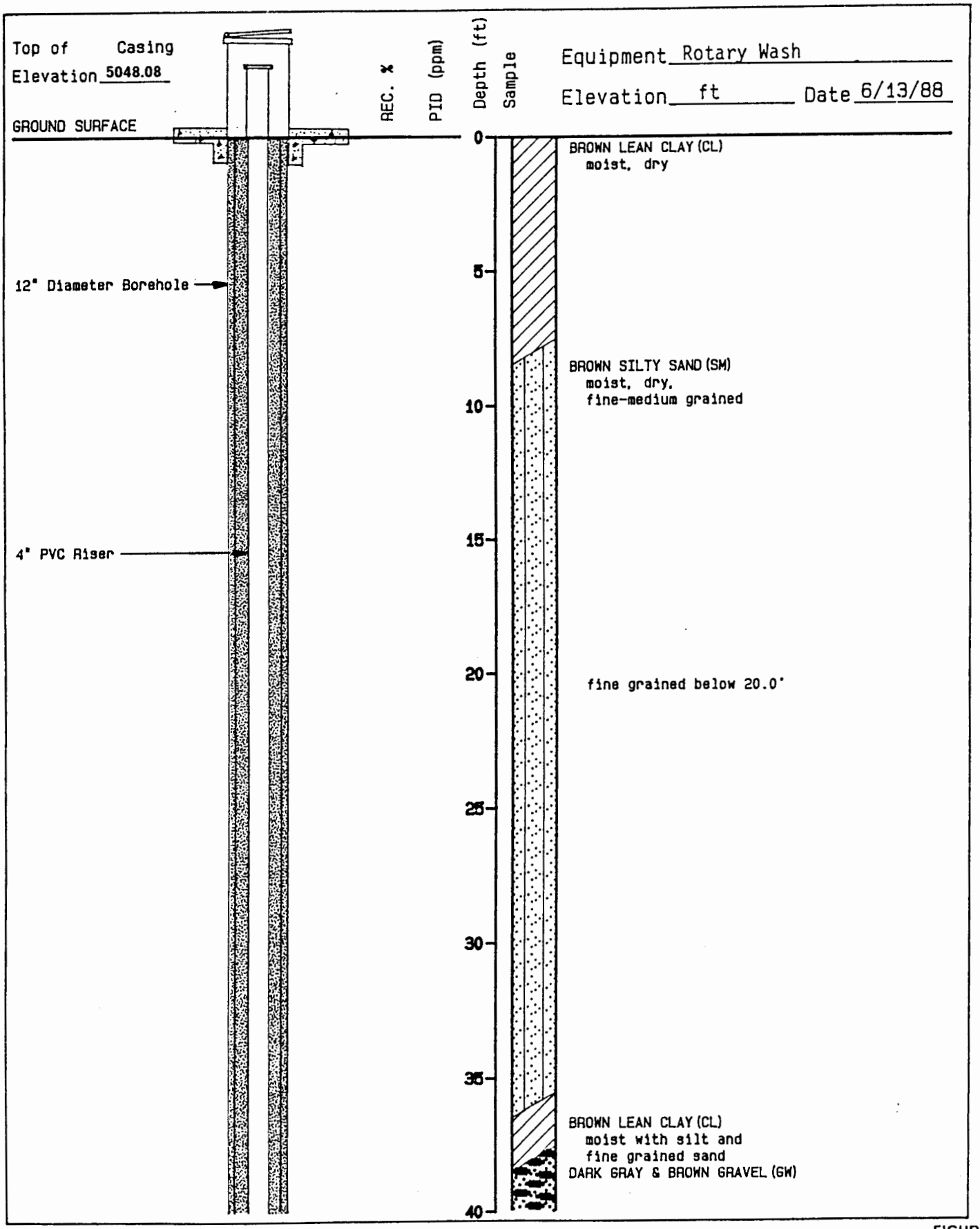
Harding Lawson Associates
Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-31 FIGURE

Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
M.K.	06310,039.12		9/88		

OGC-003117



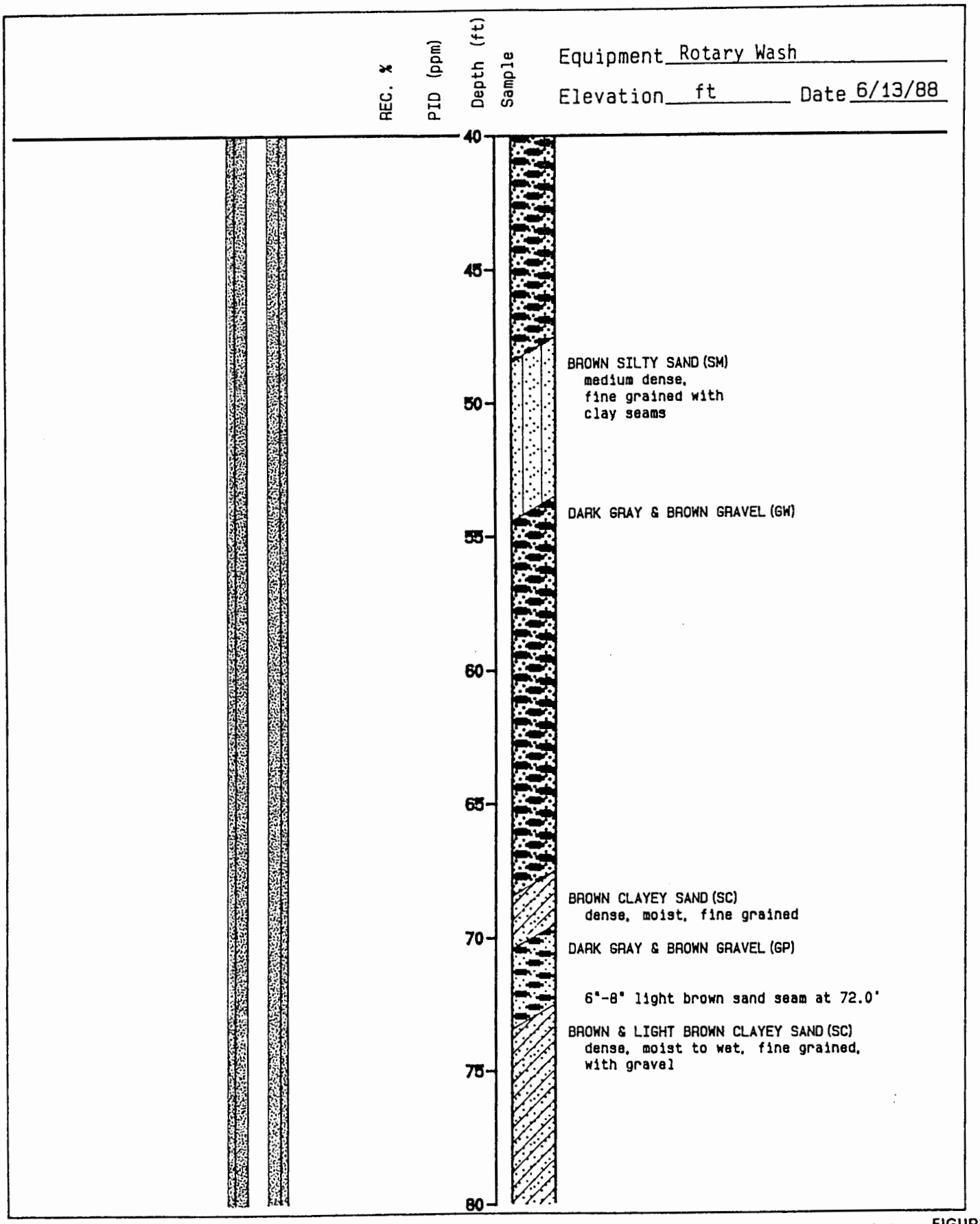
FIGURE

Harding Lawson Associates
Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-32
Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
M.K.	06310,039.12		9/88		

OGC-003118



Harding Lawson Associates
Engineers and Geoscientists

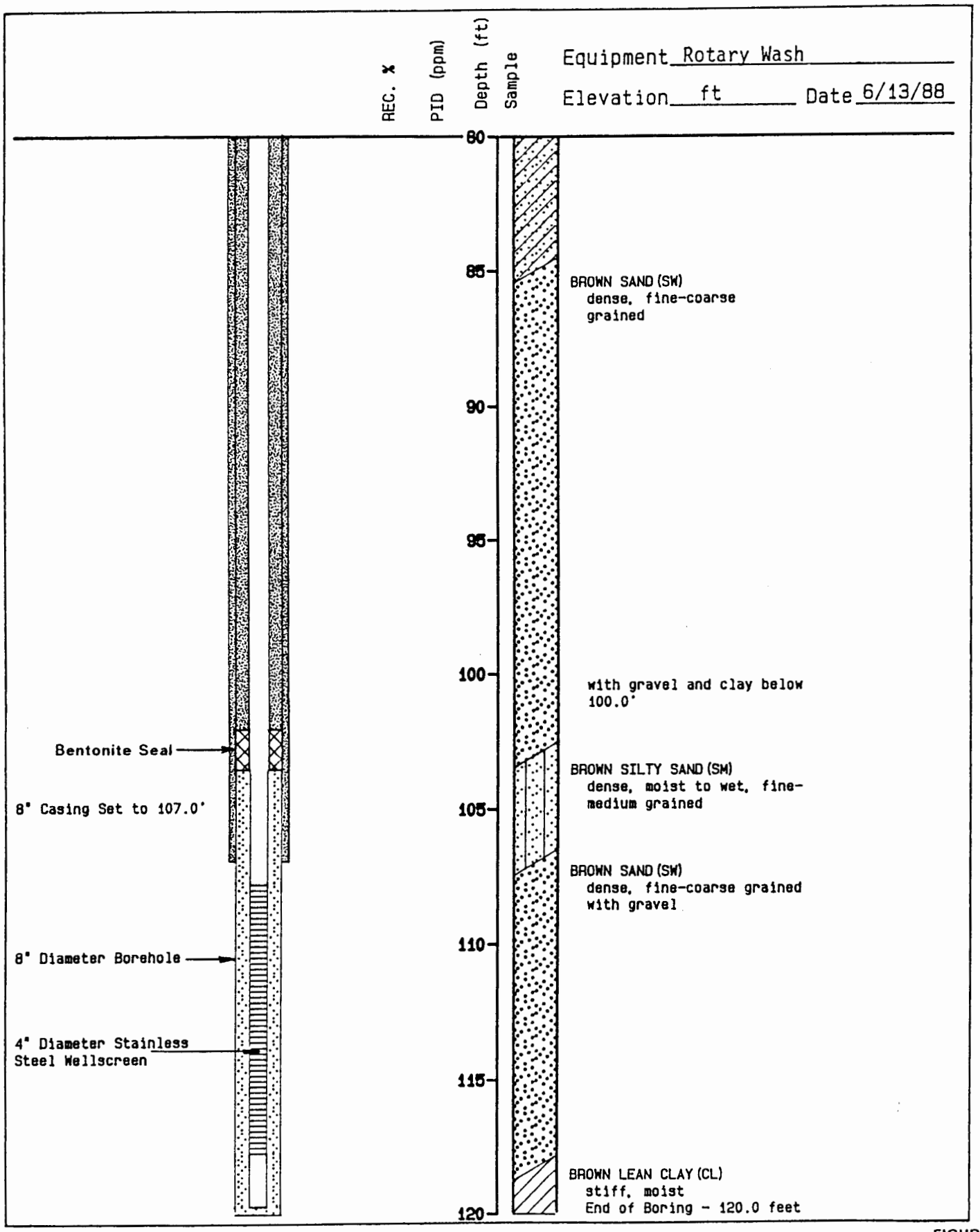
Log of Boring and Well Completion Detail MW-32

FIGURE

Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
M.K.	06310,039.12		9/88		

OGC-003119



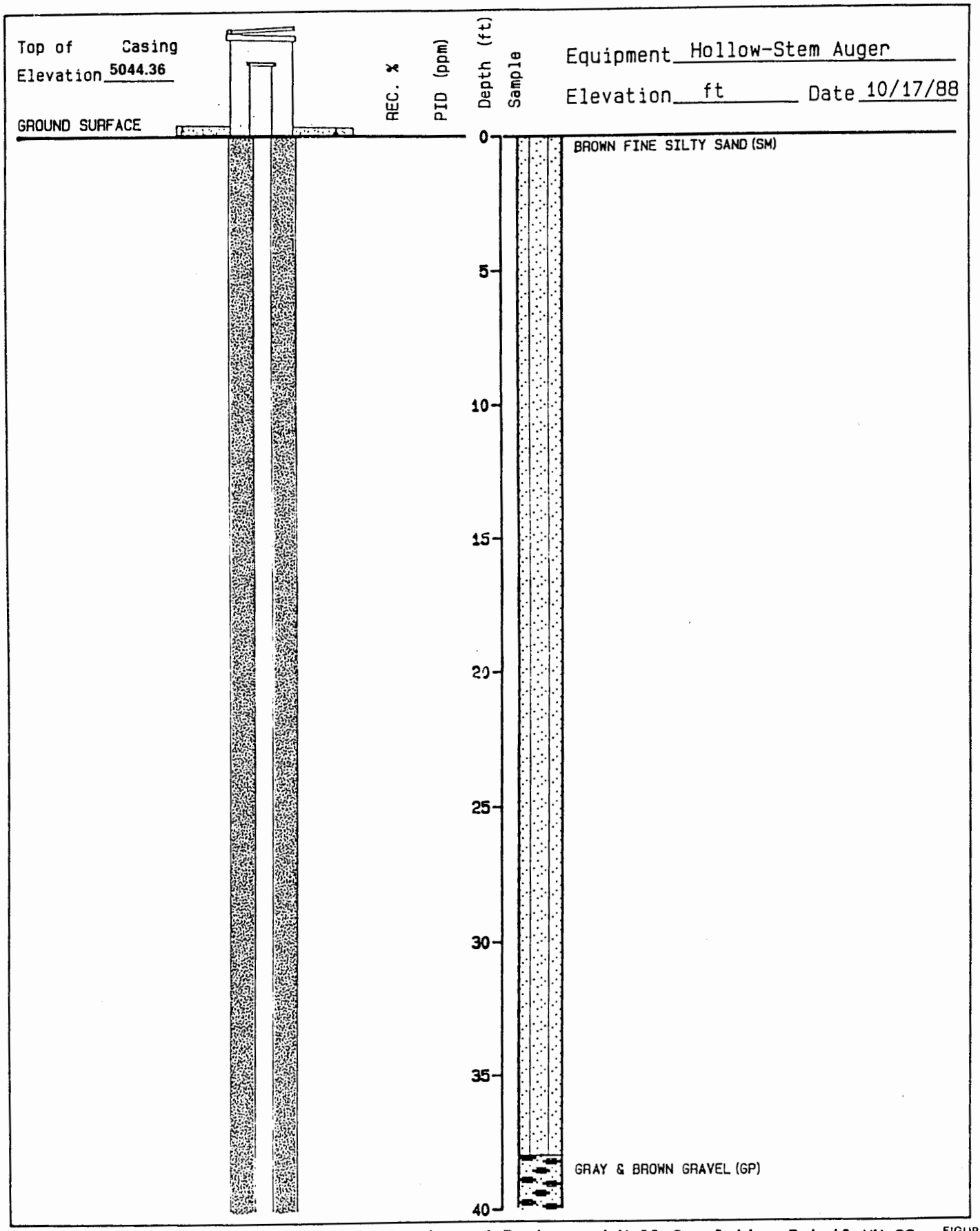
Harding Lawson Associates
Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-32 FIGURE

Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
M.K.	6310,039.12		9/88		

OGC-003120



Harding Lawson Associates
Engineers and Geoscientists

Log of Boring and Well Completion Detail MW-33

FIGURE

Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310.039.12		10/88		

OGC-003121

Equipment Hollow-Stem Auger

Elevation ft Date 10/17/88

REC. %	PID (ppm)	Depth (ft)	Sample
		40	
		45	
		50	
		55	
		60	
		65	
		70	
		75	
		80	

BENTONITE/CEMENT GROUT

2" SCH 40 PVC CASING

2" STAINLESS STEEL CASING

2" STAINLESS STEEL 0.012 SLOT SCREEN

1.8
1.8
0.0
0.0
0.0

BROWN FINE SILTY SAND (SM)
moist

BROWN FINE SILTY SAND (SM)
saturated

GRAY CLAYEY FINE SAND (SC)
End of Boring - 73.0 feet

Harding Lawson Associates
Engineers and Geoscientists

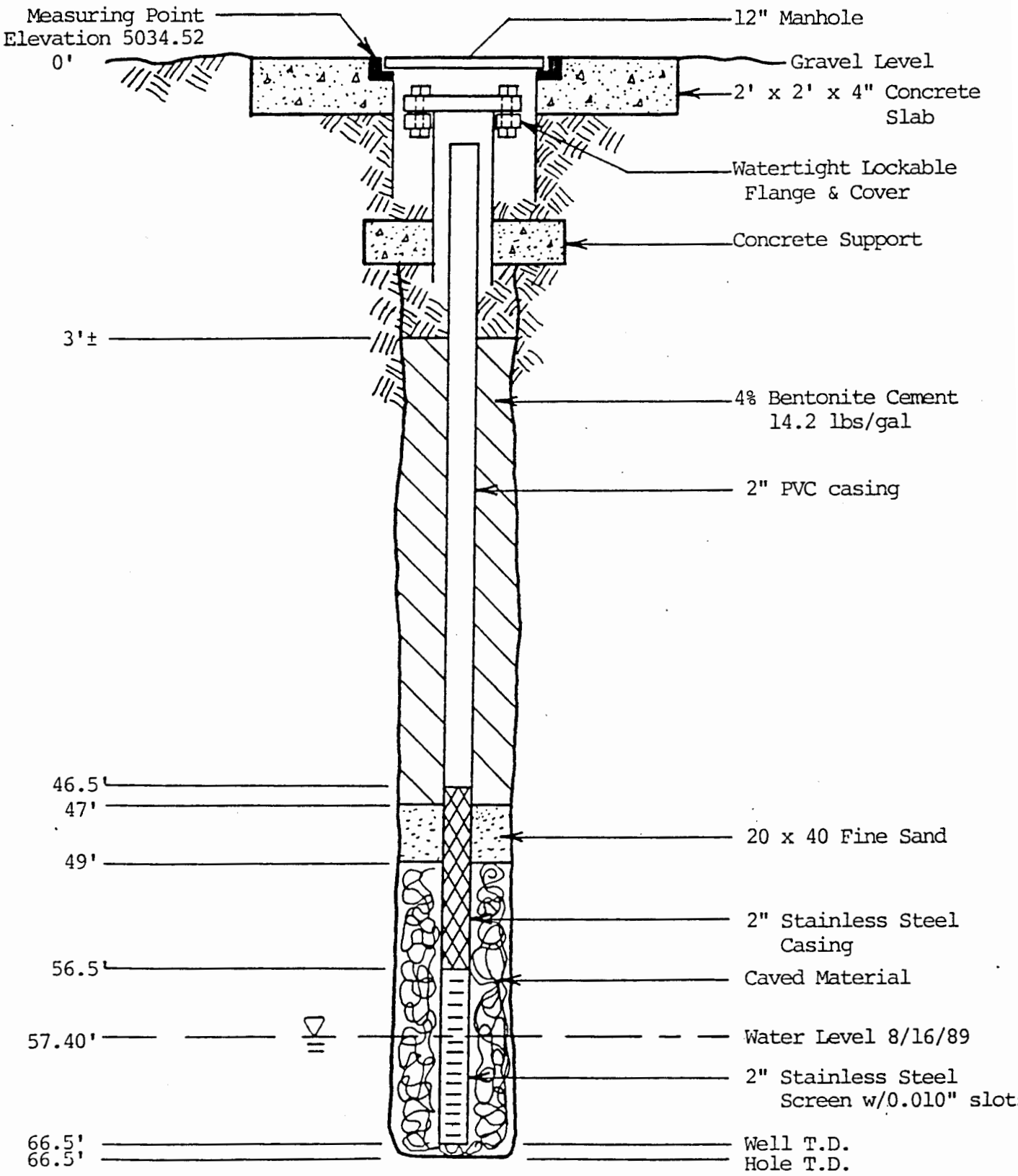
Log of Boring and Well Completion Detail MW-33 FIGURE

Sparton Technology Inc.

Albuquerque, New Mexico

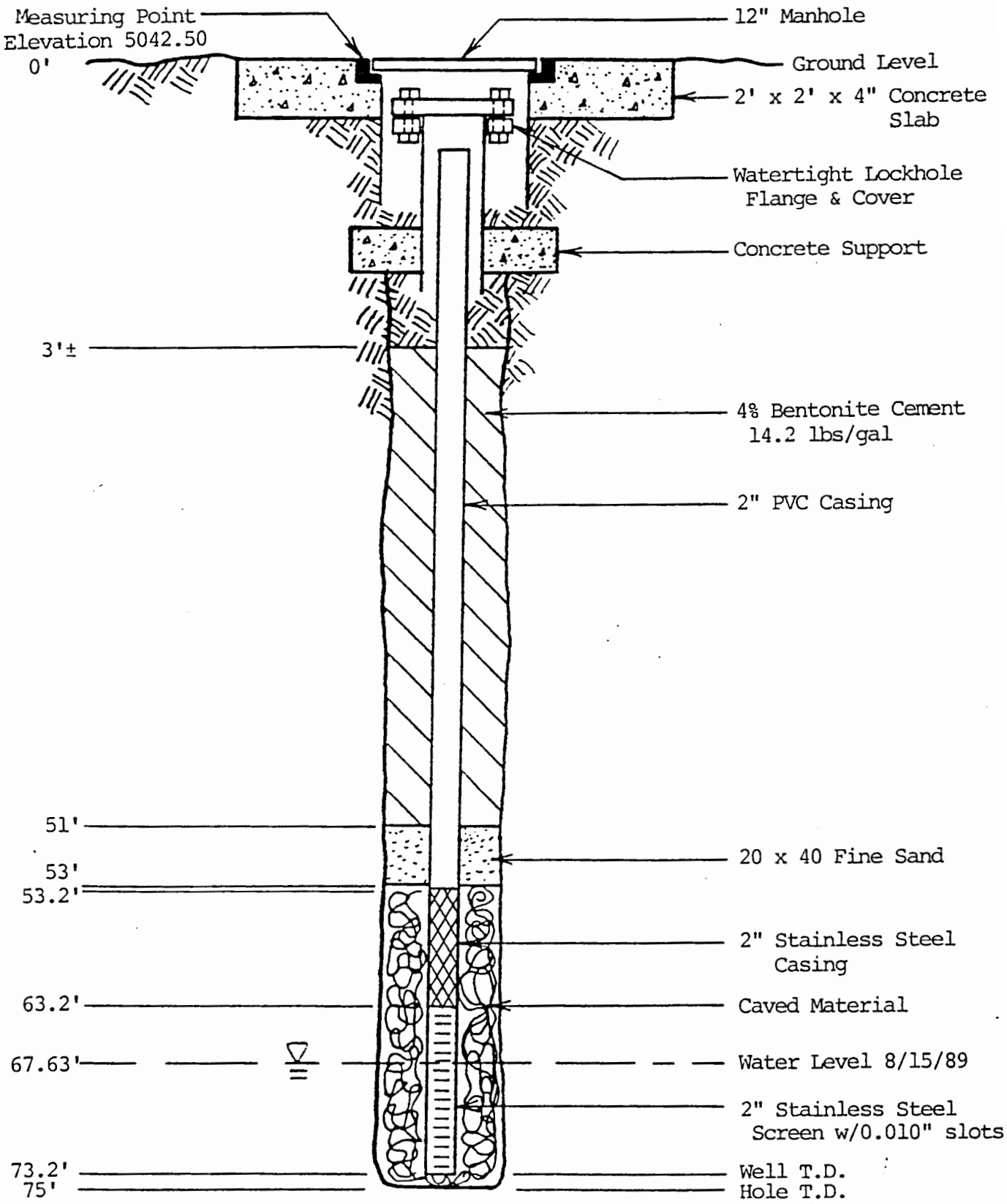
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310, 039.12		10/88		

OGC-003122



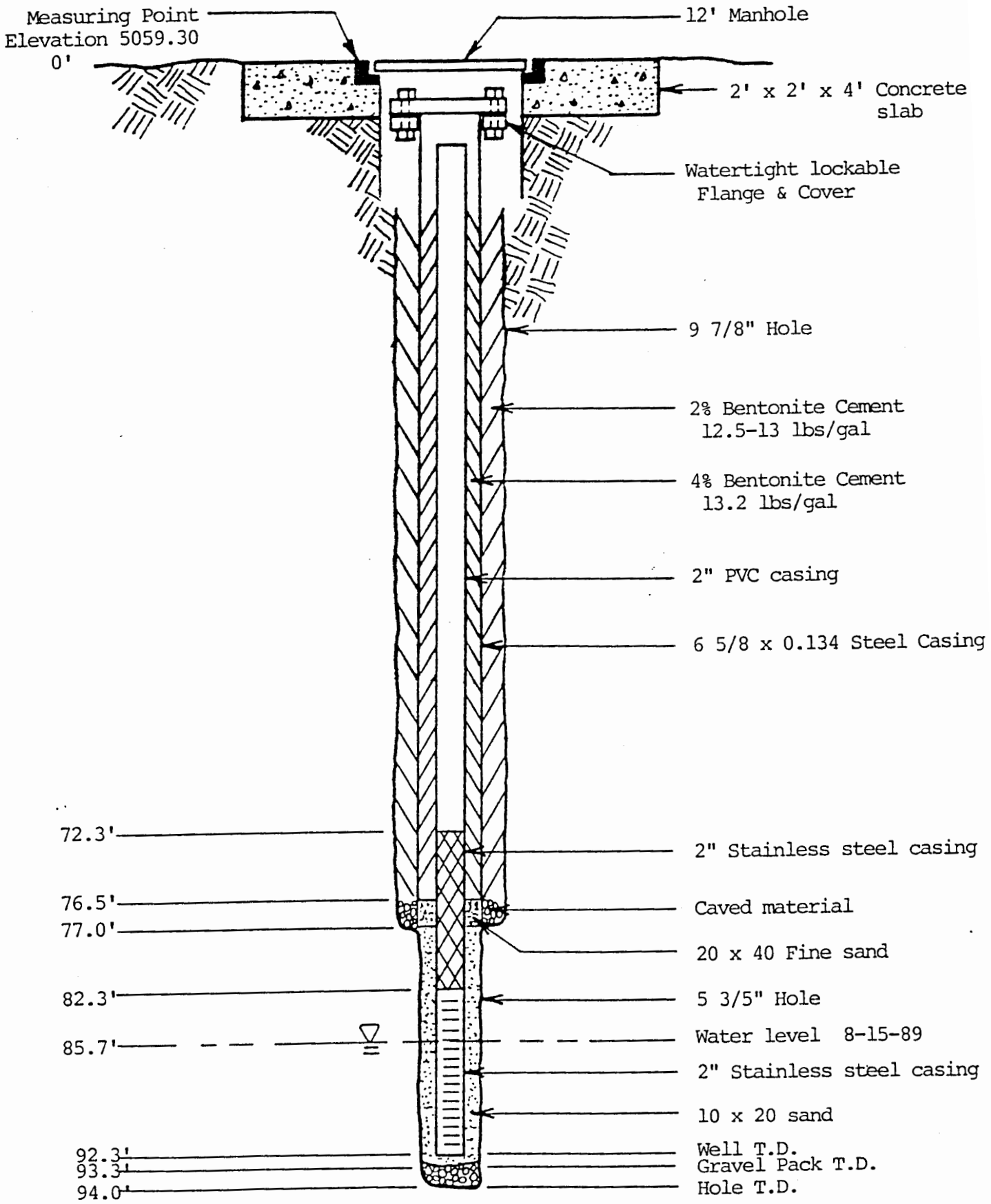
CONSTRUCTION DIAGRAM
MW-34-OS

OGC-003123



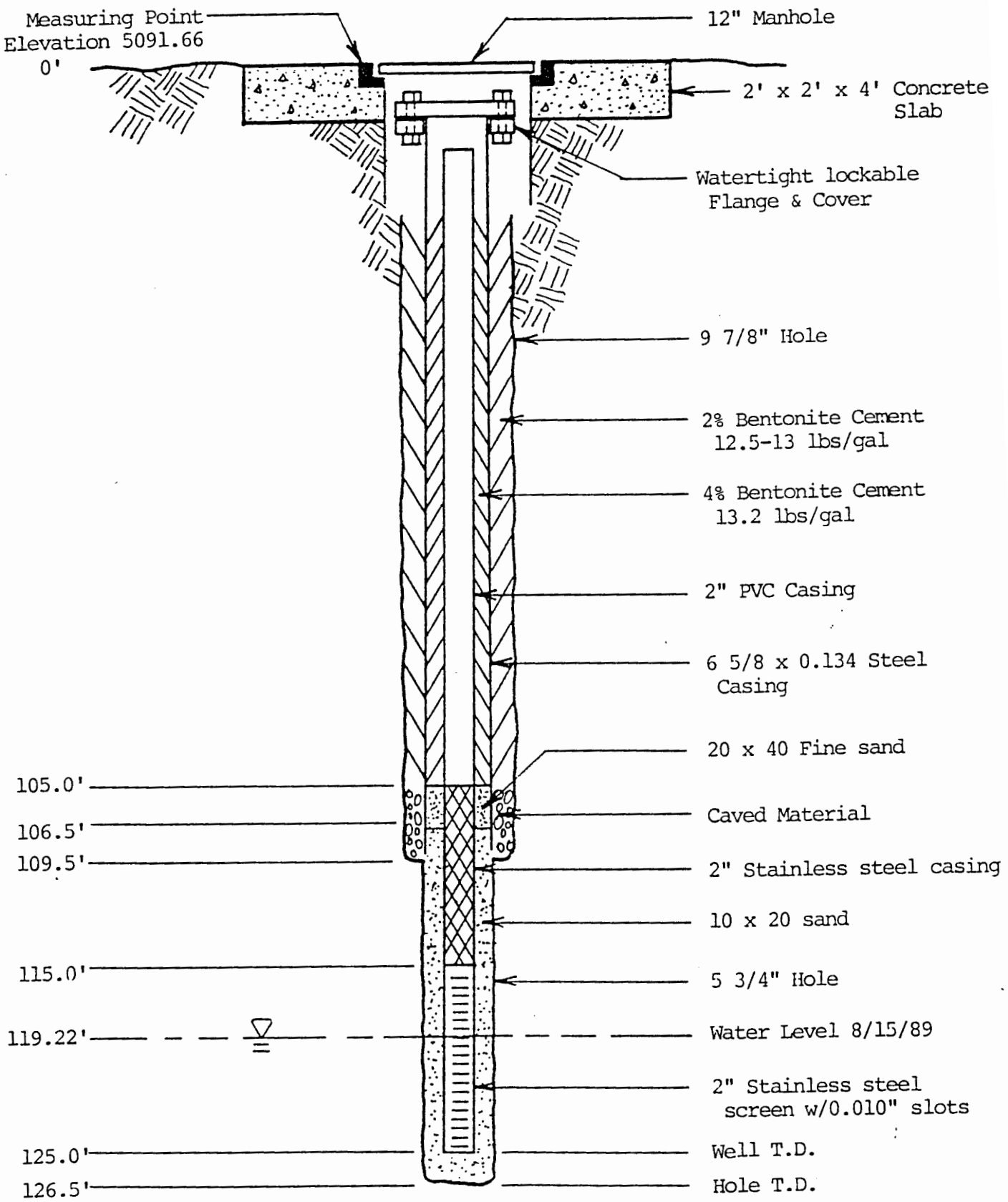
CONSTRUCTION DIAGRAM
MW-35-OS

OGC-003124



CONSTRUCTION DIAGRAM
MW-36-OS

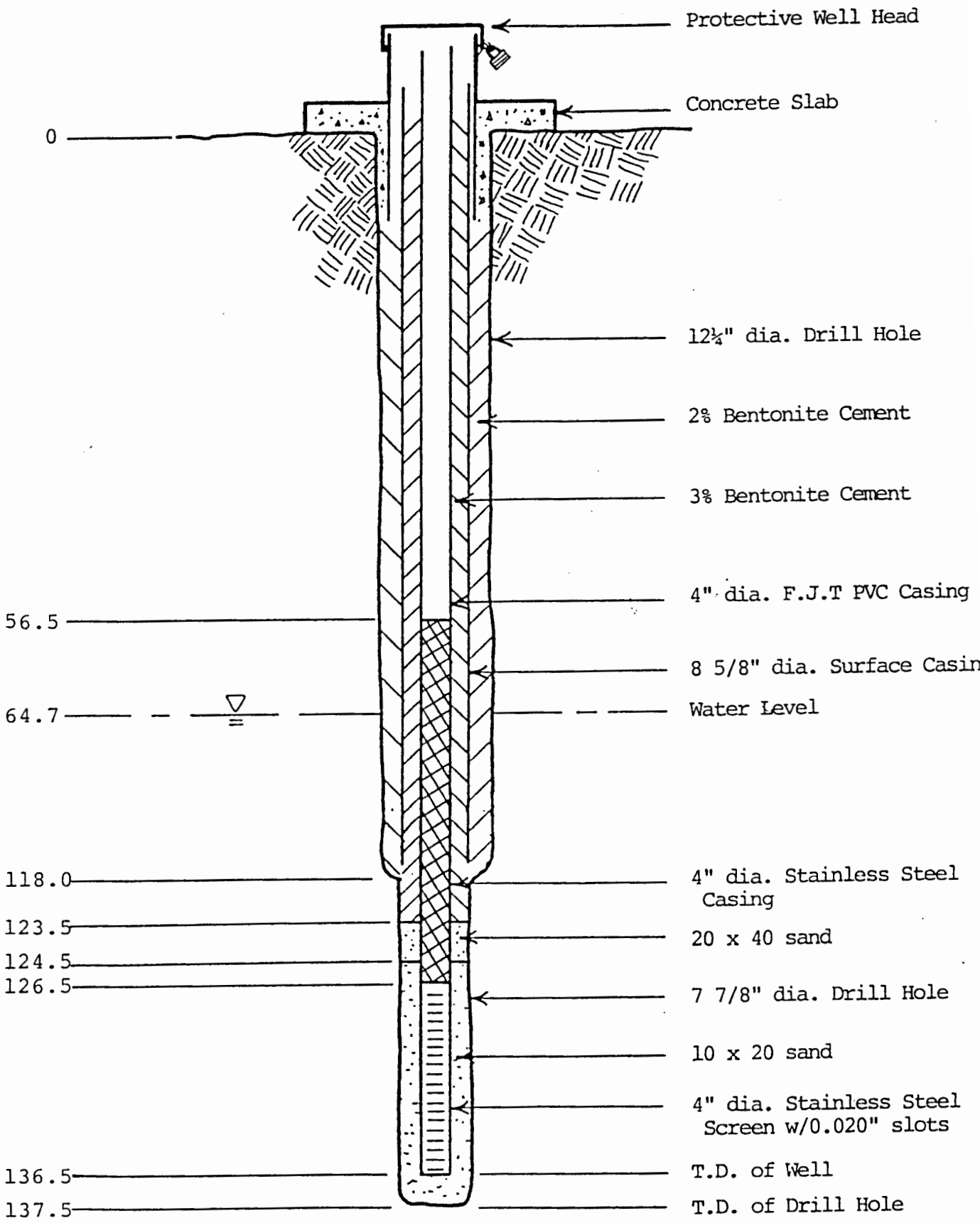
OGC-003125



CONSTRUCTION DIAGRAM

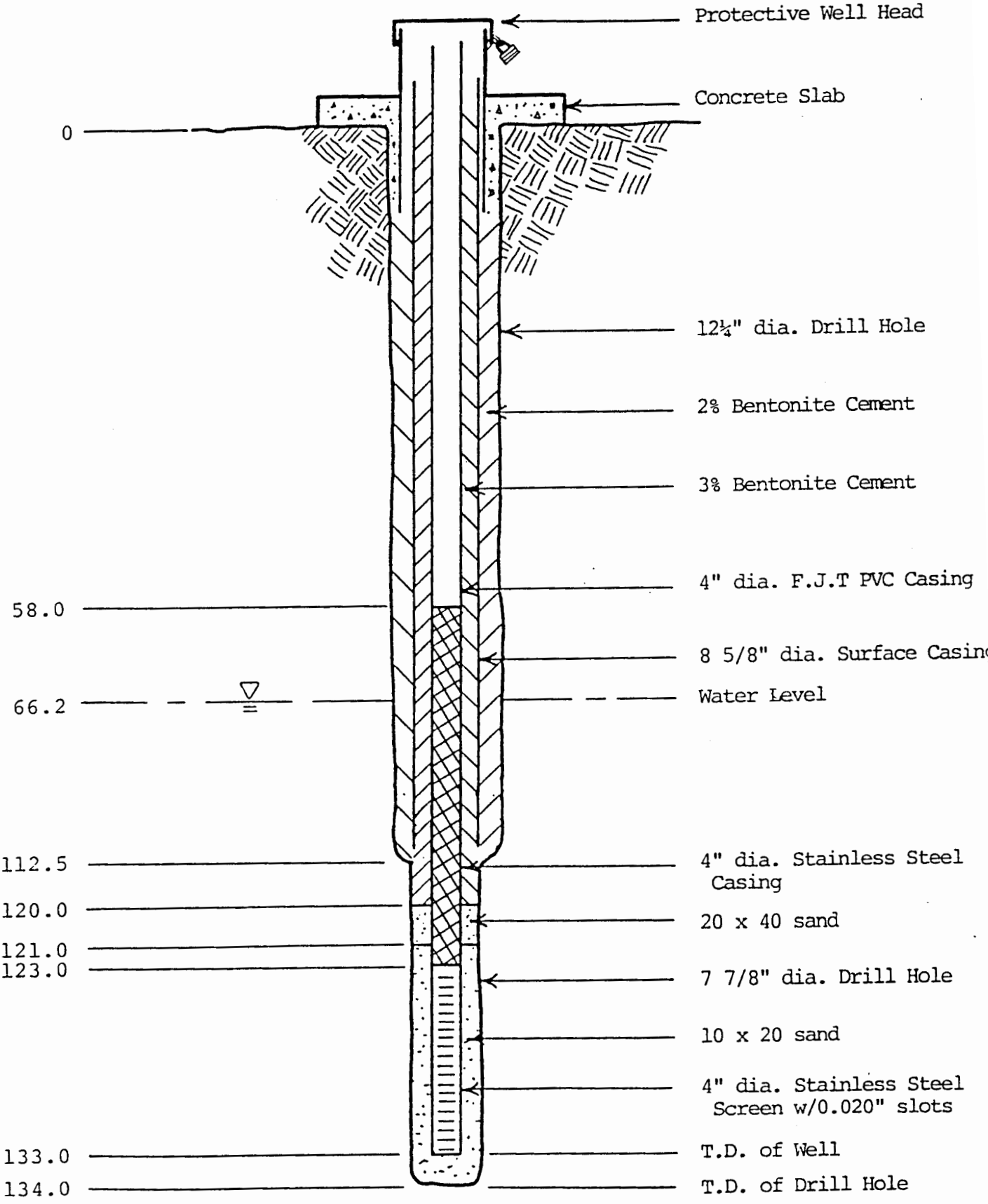
MW-37-OS

OGC-003126



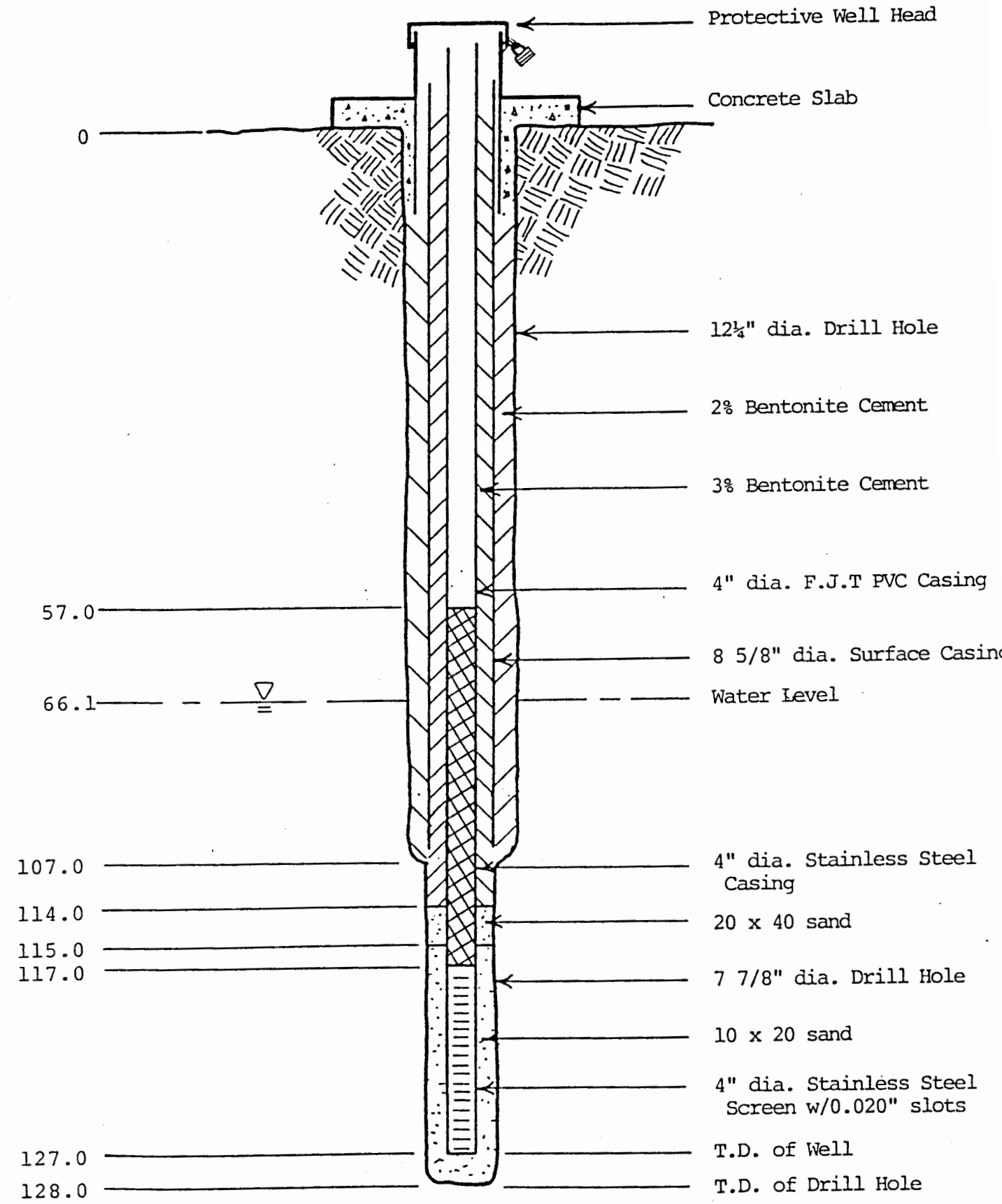
Construction Diagram
MW-38

OGC-003127



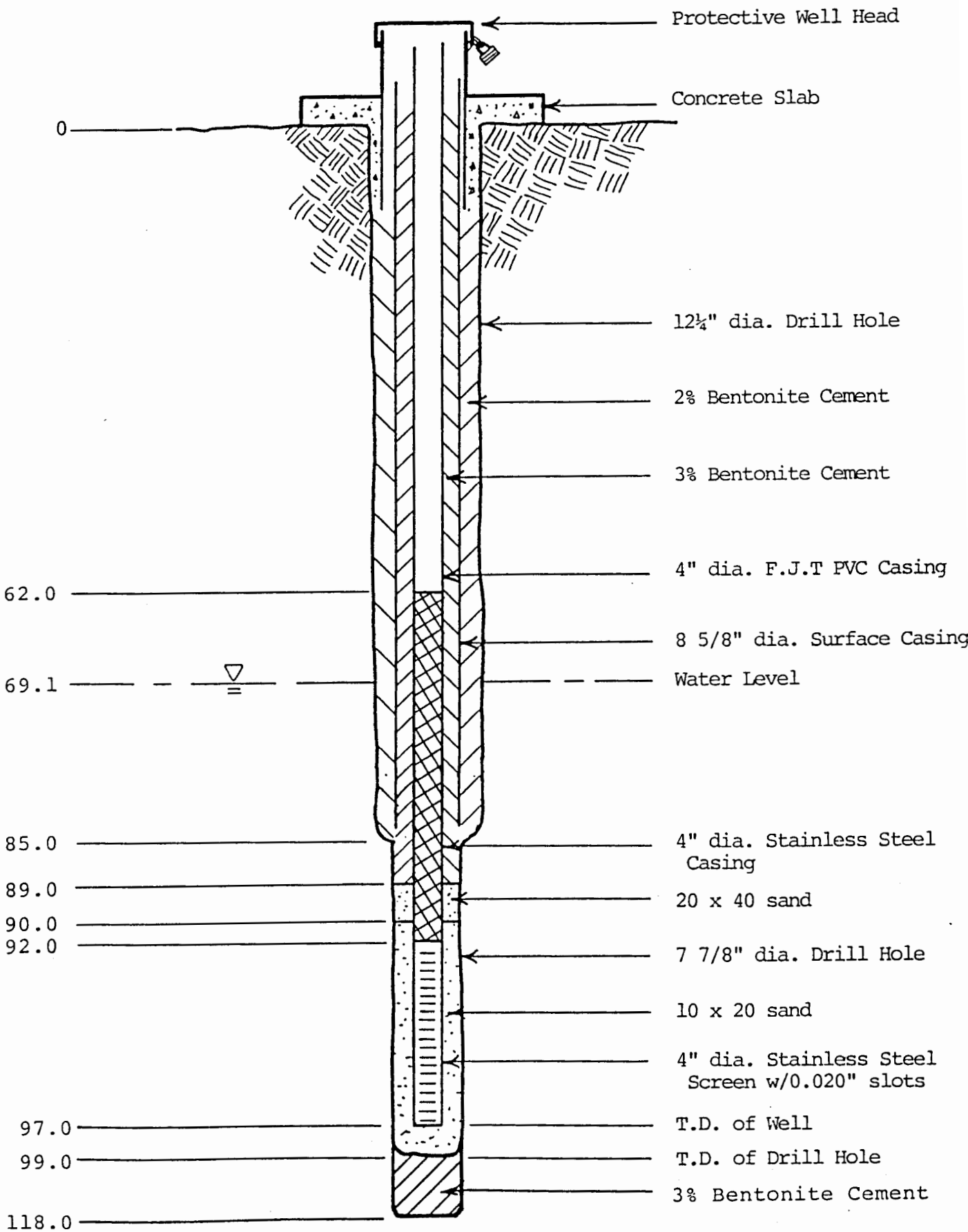
Construction Diagram
MW-39

OGC-003128



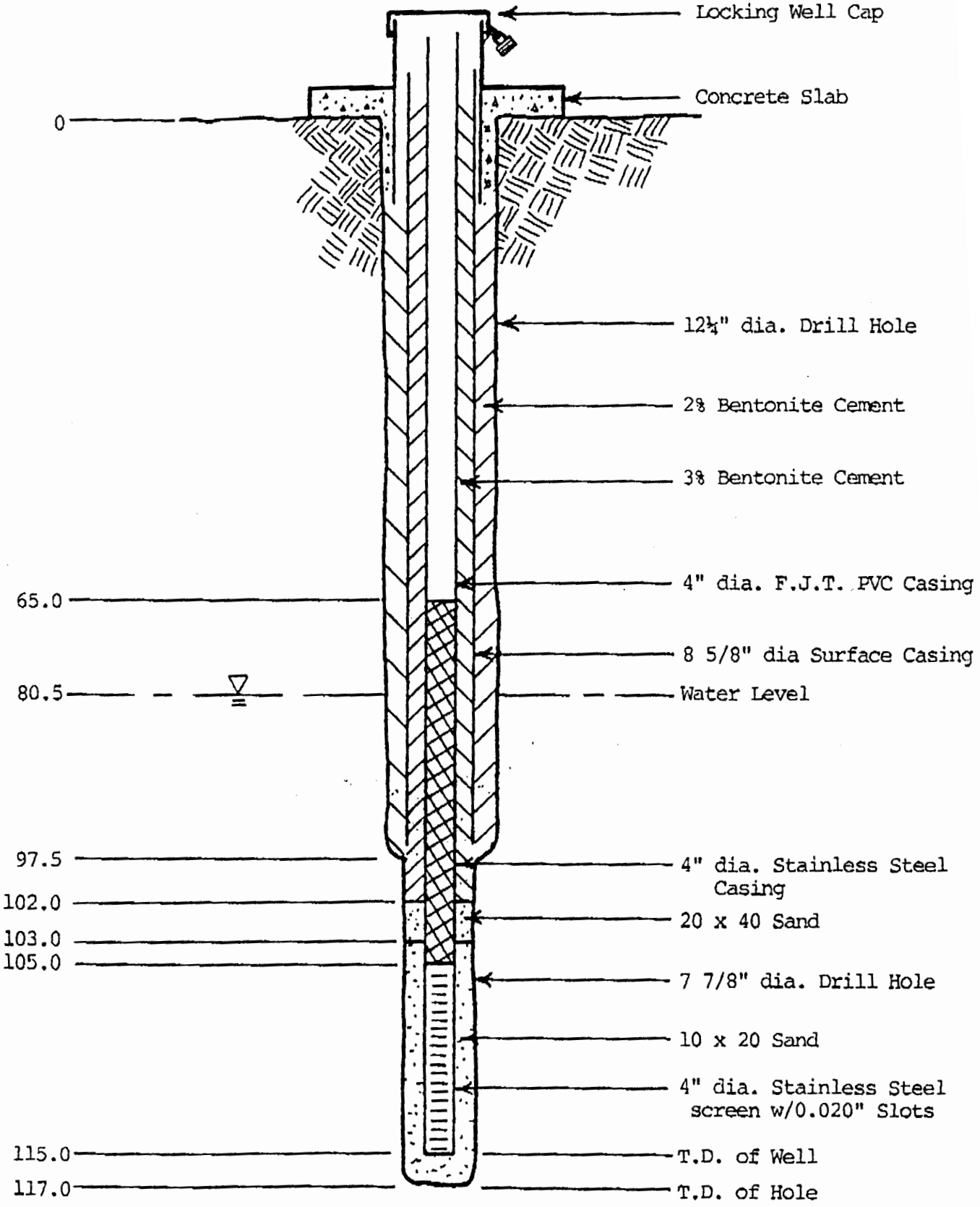
Construction Diagram
MW-40

OGC-003129



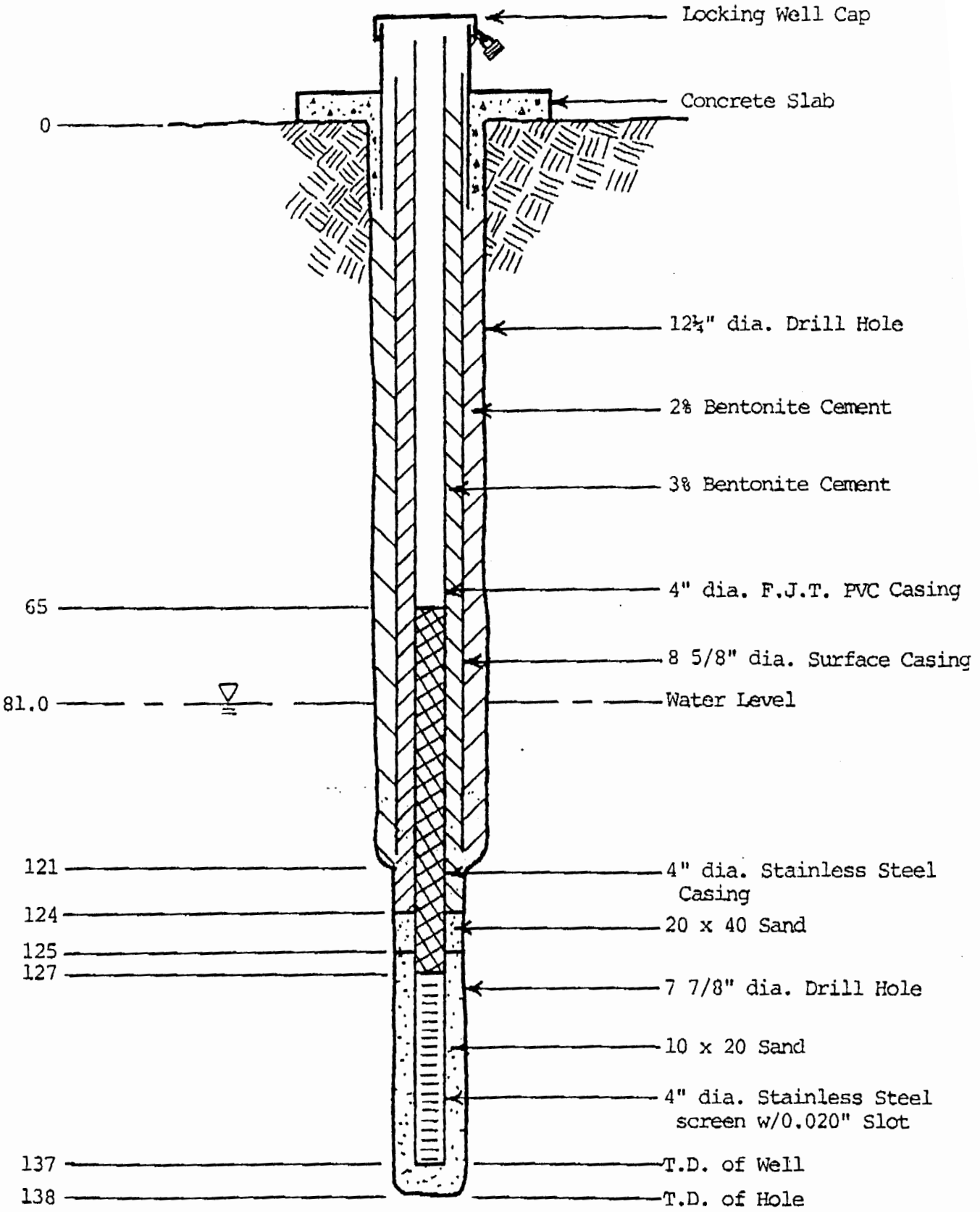
OGC-003130

Construction Diagram
MW-41



MW-42
CONSTRUCTION DIAGRAM

OGC-003131

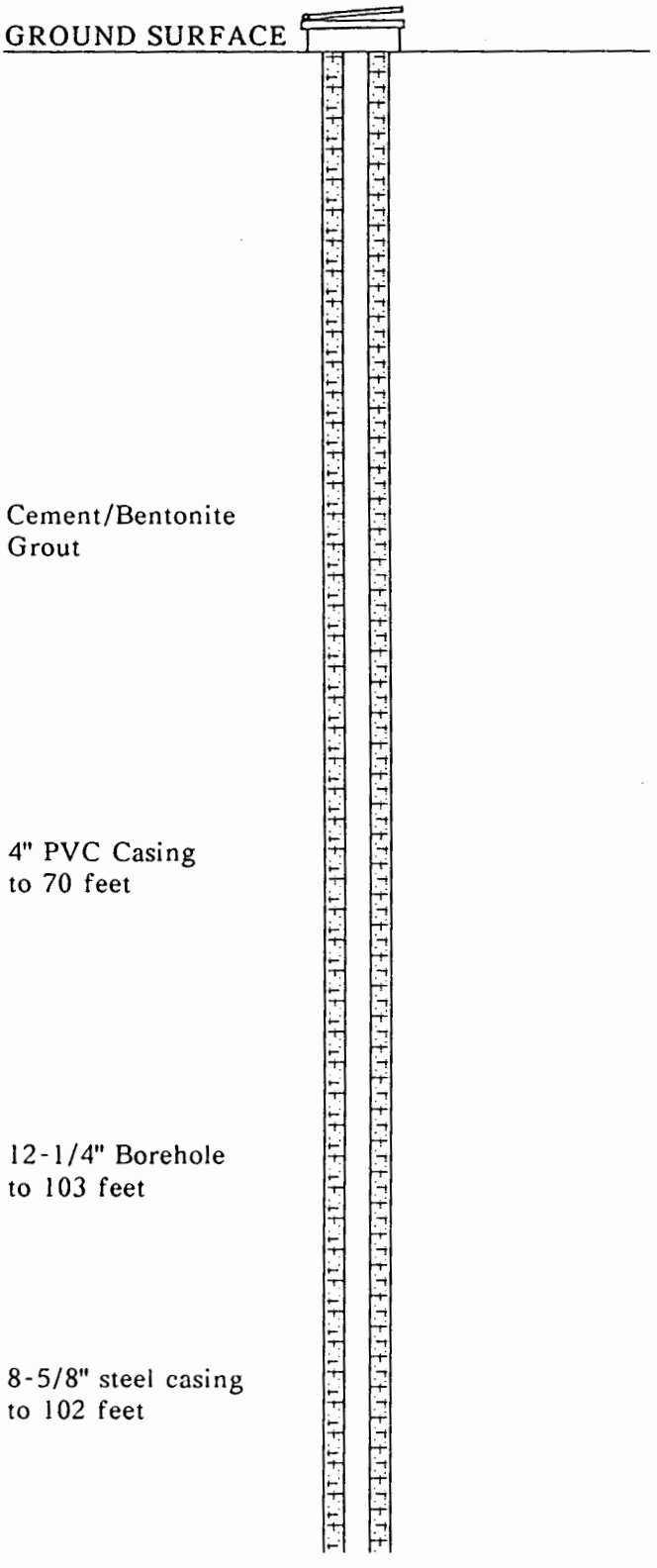


MW-43
CONSTRUCTION DIAGRAM

Top of Riser Elevation 5058.68

Equipment GD-1500

Elevation ft **Date** 11/18/89



Harding Lawson Associates
Engineers and Environmental Services

MONITORING WELL DETAIL MW-44

PLATE

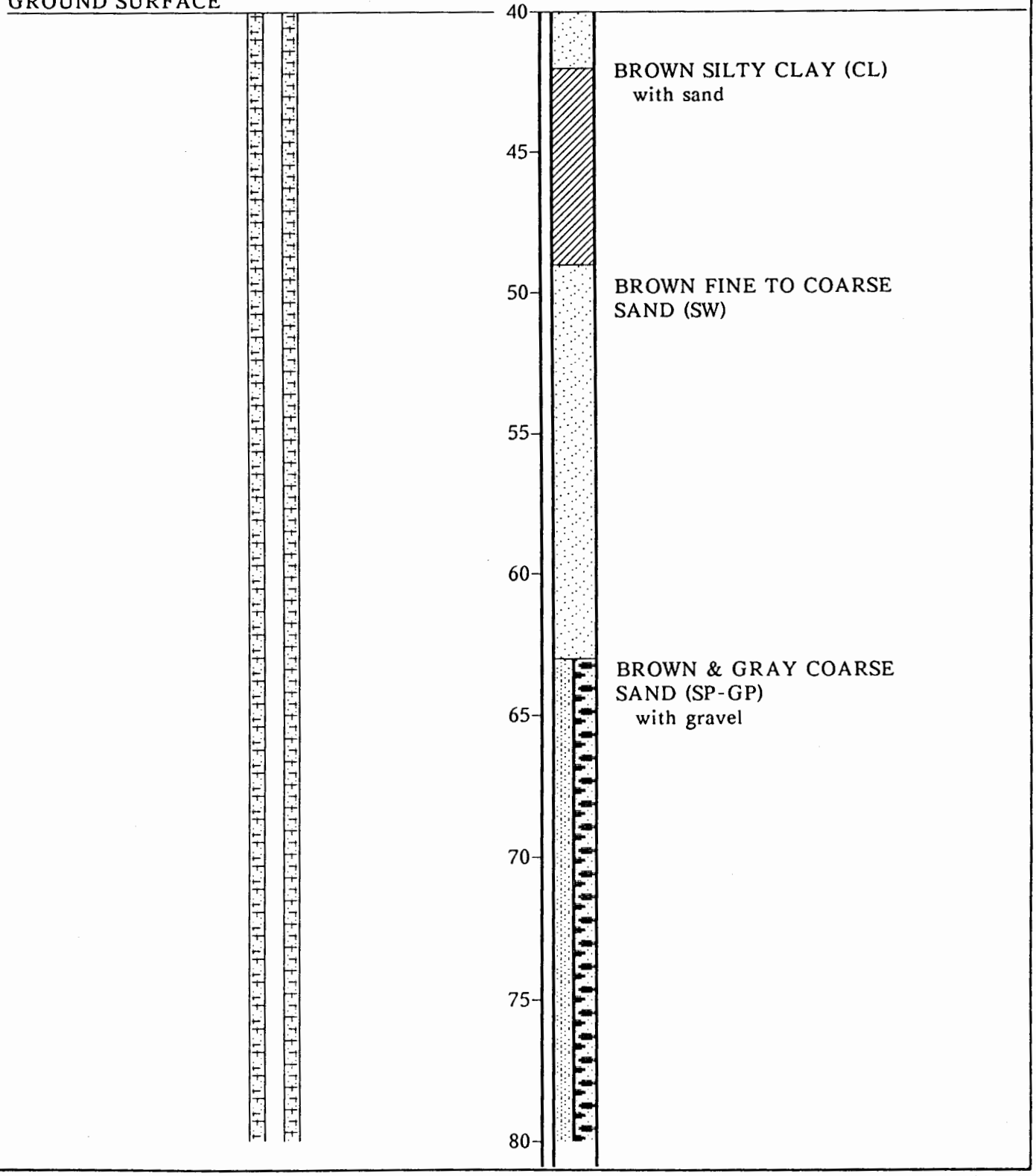
Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
—	06310,039.12		3/90		

OGC-003133

Equipment GD-1500

Elevation ft Date 11/18/89



Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-44

PLATE

Sparton Technology Inc.
Albuquerque, New Mexico

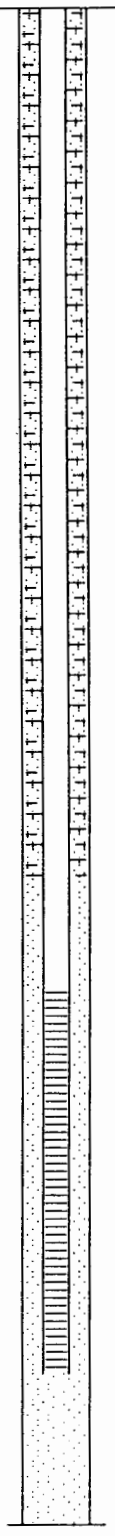
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003134

Equipment GD-1500

Elevation ft Date 11/18/89

GROUND SURFACE



Stainless Steel casing
from 70-106 feet

Sandpack:
20x40 sand (103-104)
10x20 sand (104-120)

7-7/8" Borehole
102-120 feet

4" Stainless Steel
Screen (Slot size 0.02")

Bottom Cap

BROWN & GRAY GRAVEL (GP)
with coarse sand

BROWN & GRAY COARSE
SAND (SP)
with fine gravel

BROWN FINE SAND (SP)
with silt

BROWN & GRAY FINE TO
COARSE SAND (SW)

BROWN & GRAY COARSE
SAND (SP)
with fines

BROWN MEDIUM SAND (SP)
with clay

BROWN & GRAY MEDIUM TO
COARSE SAND (SP)

BROWN FINE SAND (SP)
with silt

End of Boring at 120 feet.

PLATE

Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-44

Sparton Technology Inc.
Albuquerque, New Mexico

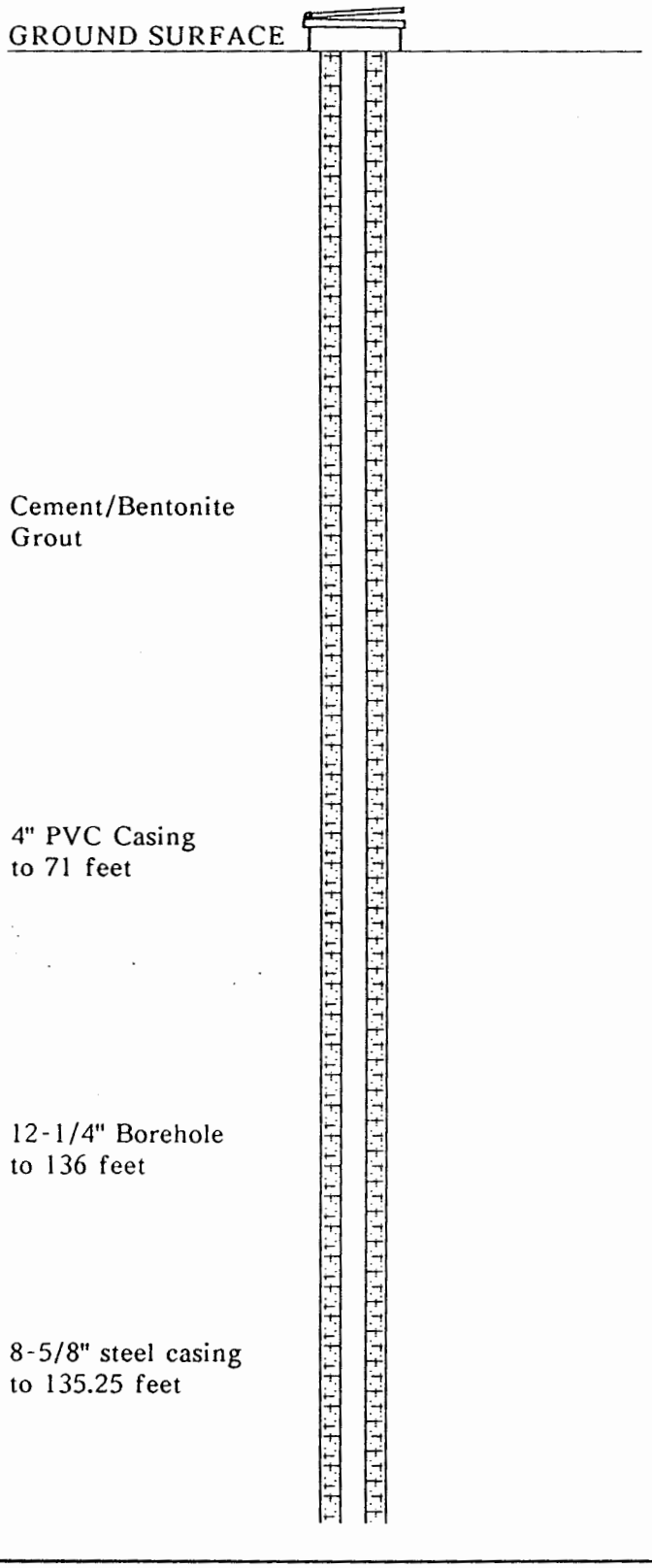
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003135

Top of Riser
Elevation 5090.10

Equipment GD-1500

Elevation ft Date 11/24/89



Harding Lawson Associates
Engineers and Environmental Services

MONITORING WELL DETAIL MW-45

Sparton Technology Inc.
Albuquerque, New Mexico

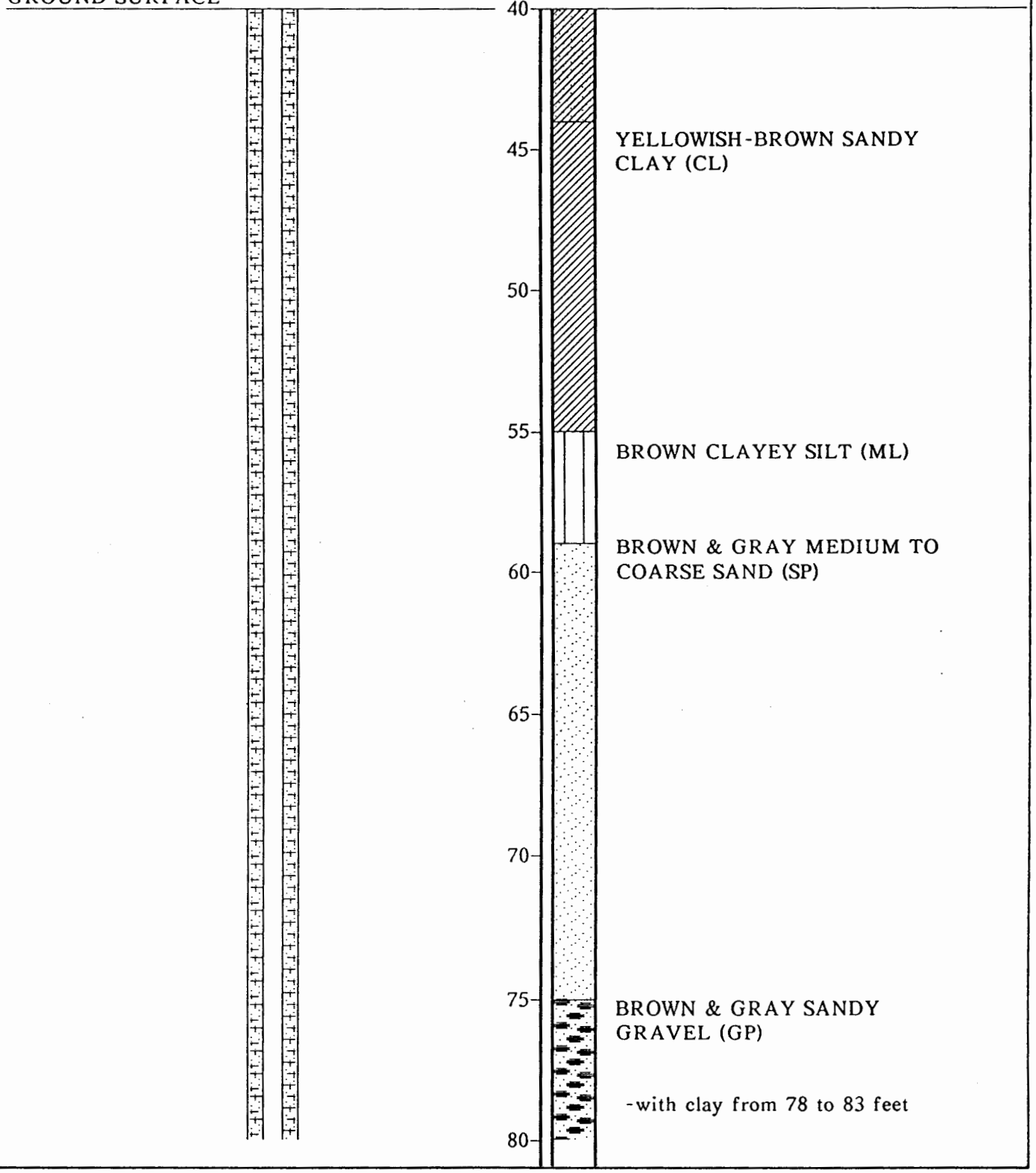
PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003136

Equipment GD-1500

Elevation ft Date 11/24/89



Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-45

PLATE

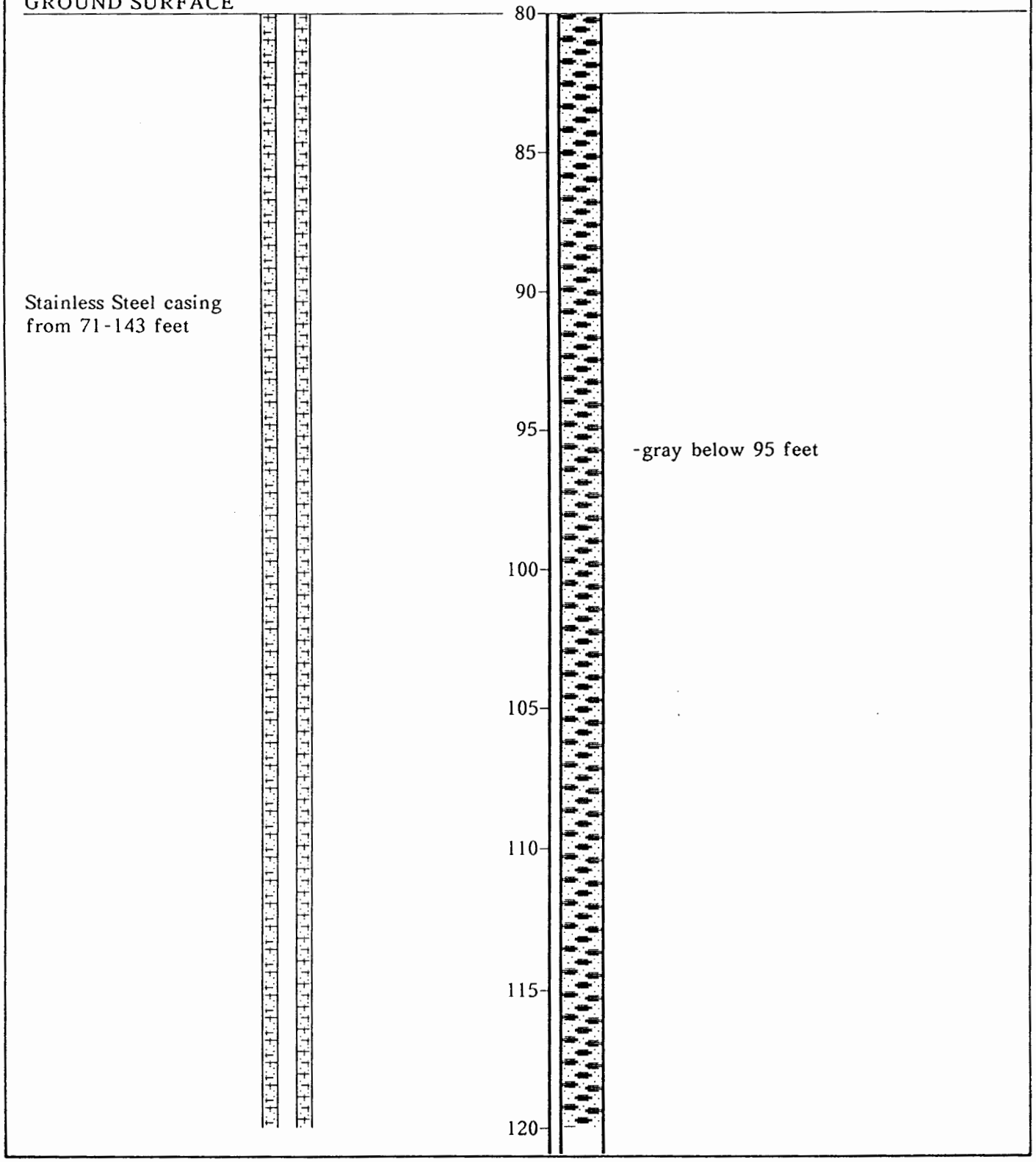
Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
OGC-003137	06310,039.12		3/90		

Equipment GD-1500

Elevation ft Date 11/24/89

GROUND SURFACE



Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-45

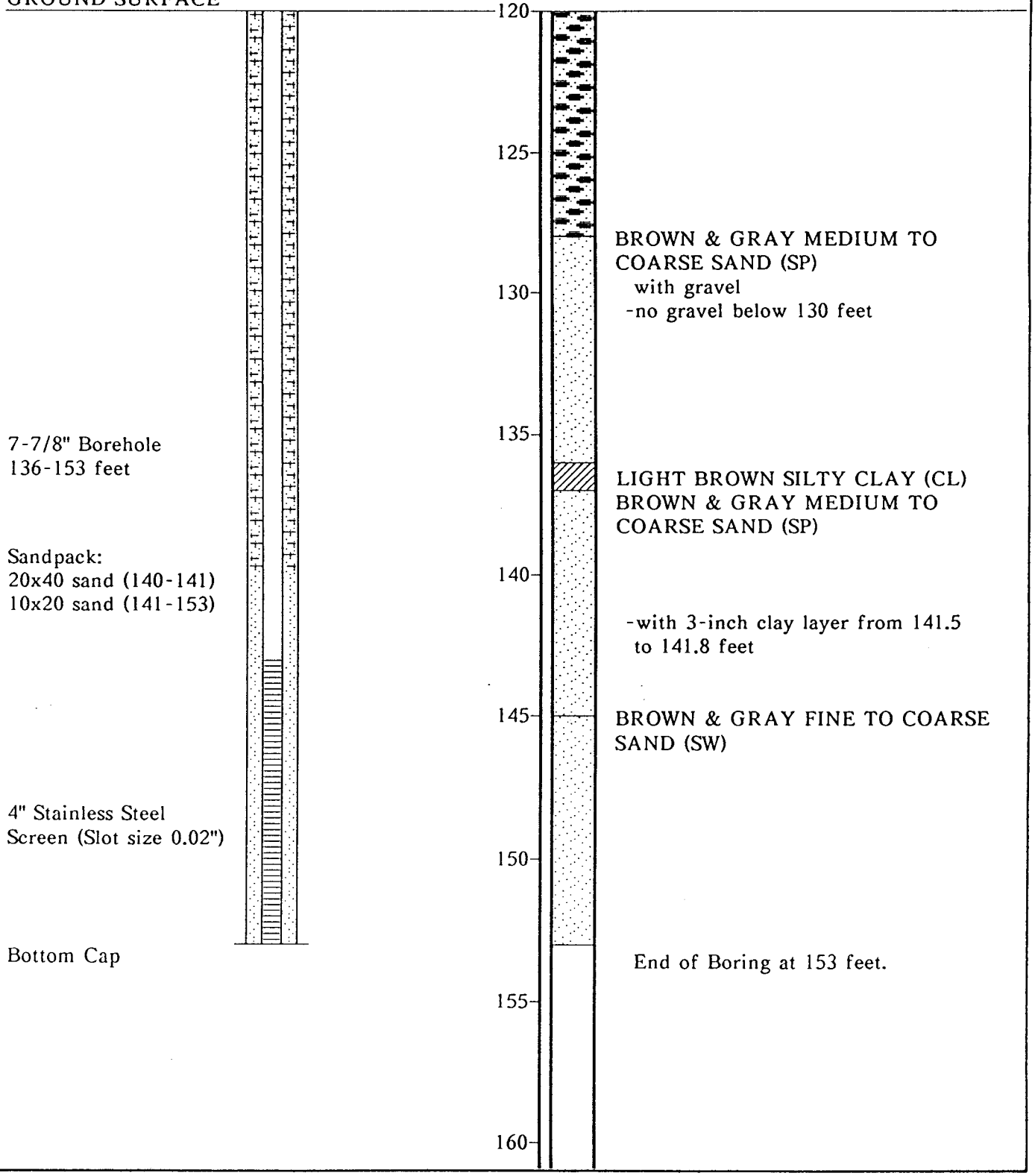
Sparton Technology Inc.
Albuquerque, New Mexico

PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
OGC-003138	06310,039.12		3/90		

Equipment GD-1500

Elevation ft Date 11/24/89



Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-45

PLATE

Sparton Technology Inc.
Albuquerque, New Mexico

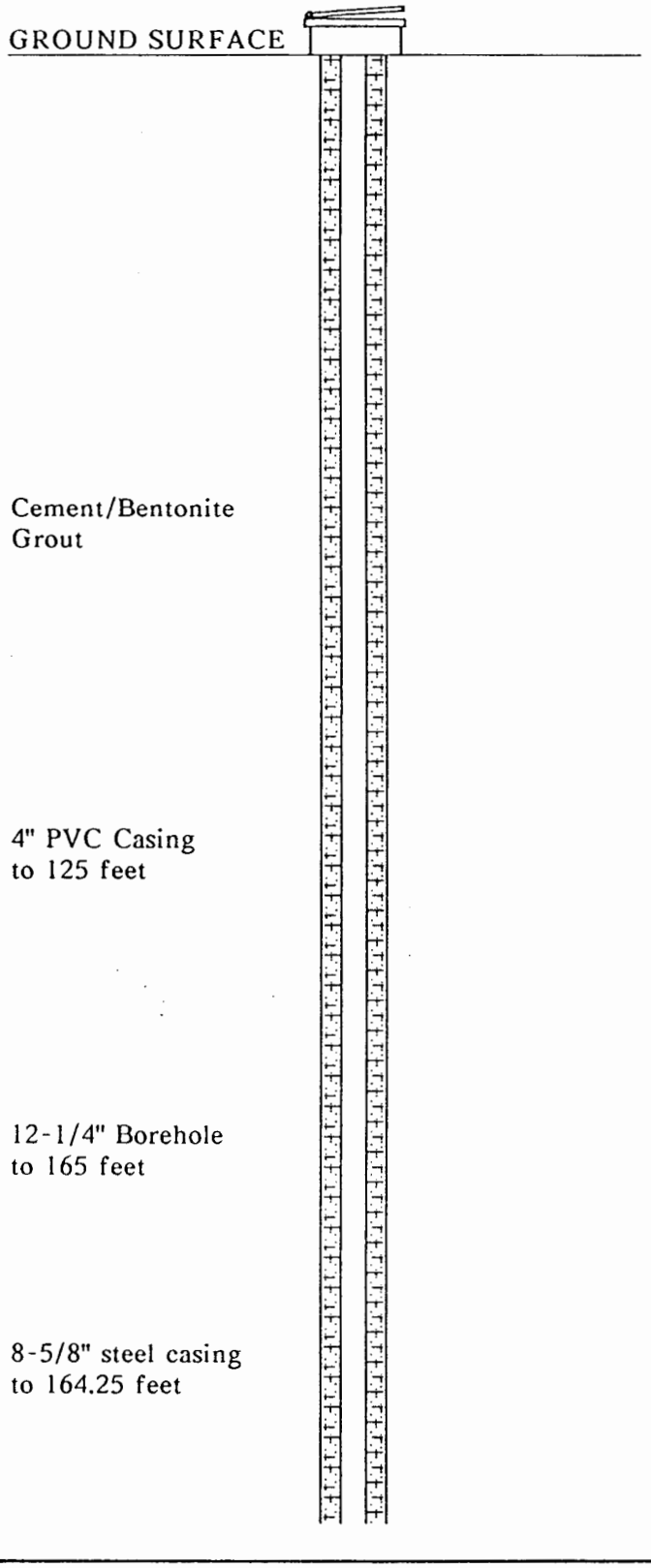
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003139

Top of Riser Elevation 5118.95

Equipment GD-1500

Elevation ft Date 11/30/89



Harding Lawson Associates
Engineers and Environmental Services

MONITORING WELL DETAIL MW-46

PLATE

Sparton Technology Inc.
Albuquerque, New Mexico

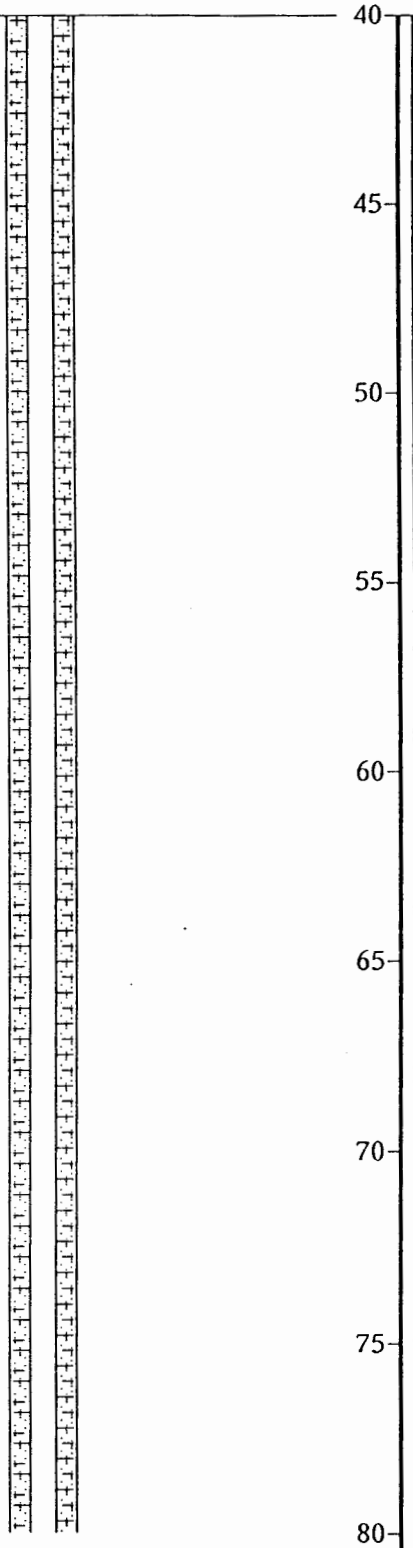
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
-	06310,039.12		3/90		

OGC-003140

Equipment GD-1500

Elevation ft Date 11/30/89

GROUND SURFACE



PLATE

Harding Lawson Associates Engineers and Environmental Services

MONITORING WELL DETAIL MW-46

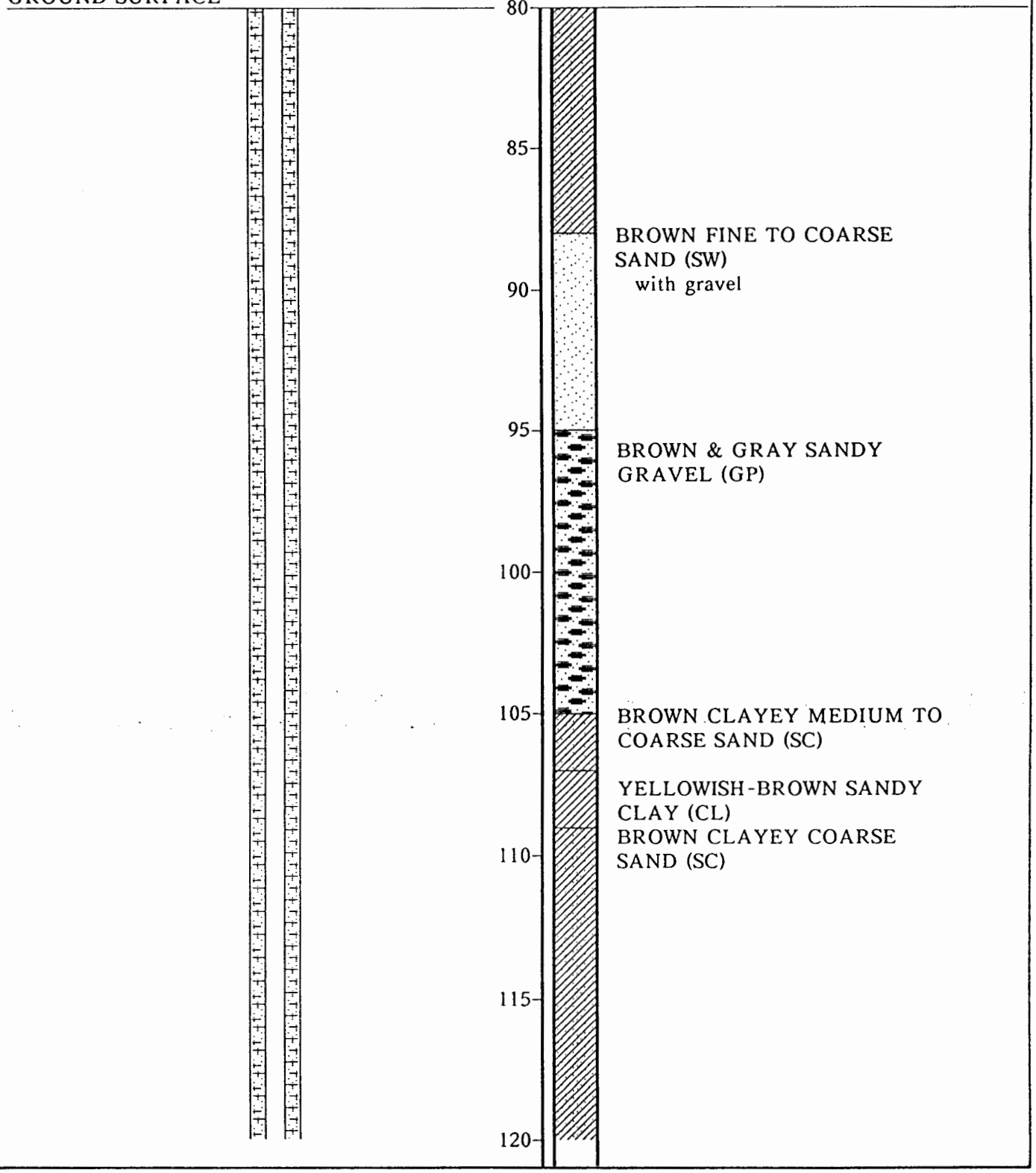
Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003141

Equipment GD-1500

Elevation ft Date 11/30/89



Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-46

PLATE

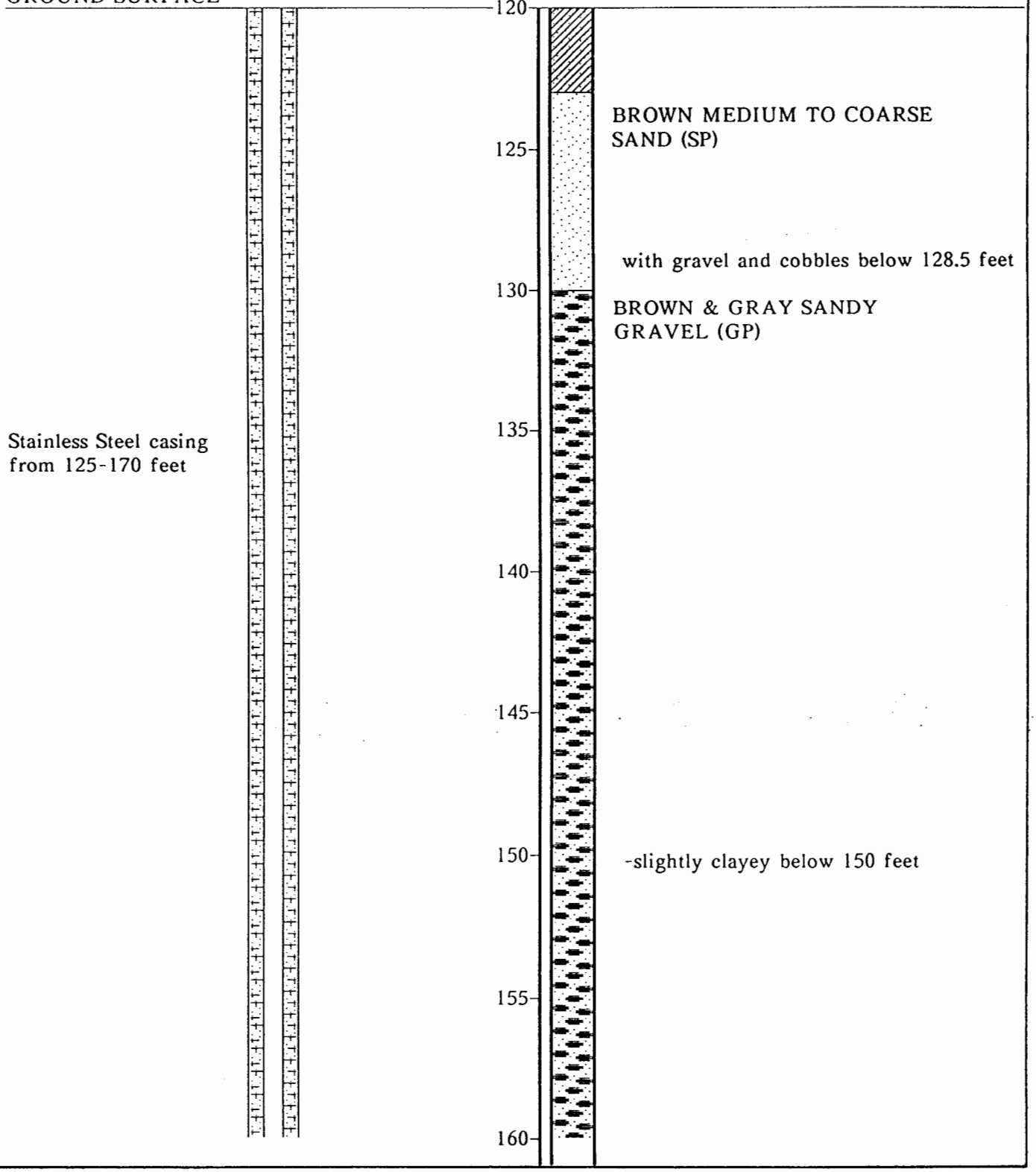
Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003142

Equipment GD-1500

Elevation ft Date 11/30/89



Harding Lawson Associates Engineers and Environmental Services

MONITORING WELL DETAIL MW-46

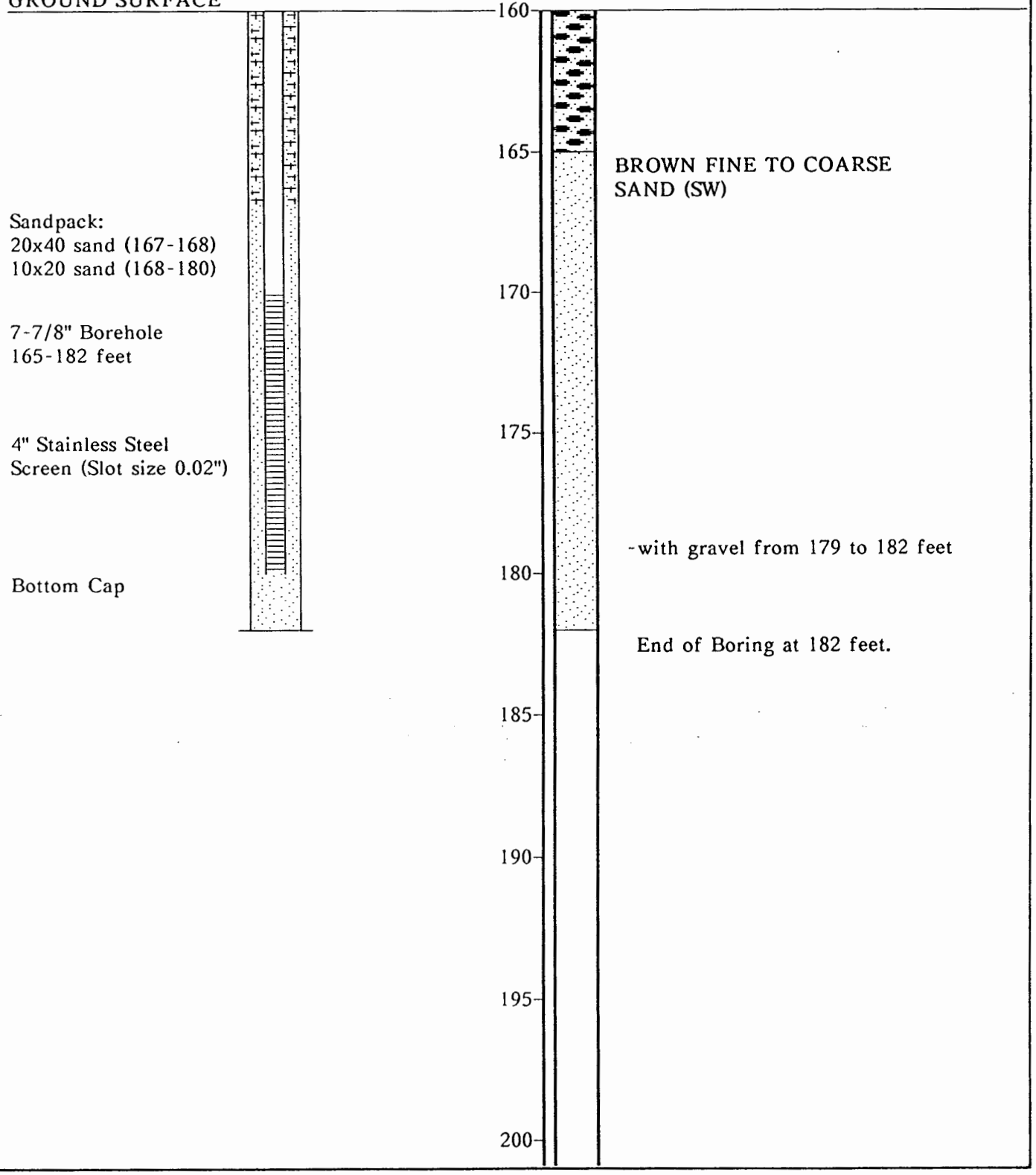
Sparton Technology Inc.
Albuquerque, New Mexico

PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
OGC-003143	06310,039.12		3/90		

Equipment GD-1500

Elevation ft Date 11/30/89



Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-46

Sparton Technology Inc.
Albuquerque, New Mexico

PLATE

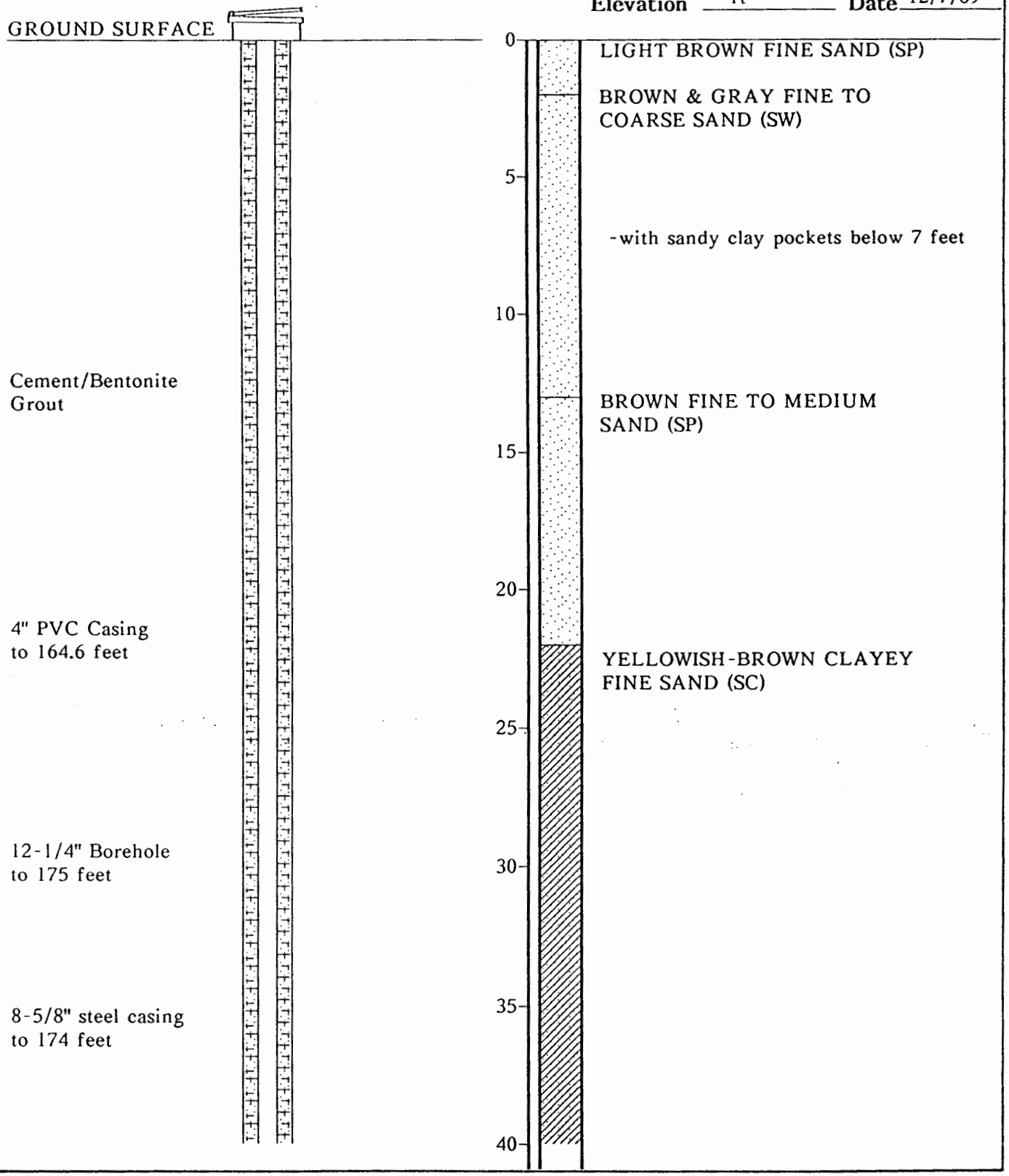
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

-OGC-003144

Top of Riser Elevation 5115.84

Equipment GD-1500

Elevation ft Date 12/7/89



Harding Lawson Associates
Engineers and Environmental Services

MONITORING WELL DETAIL MW-47

Sparton Technology Inc.
Albuquerque, New Mexico

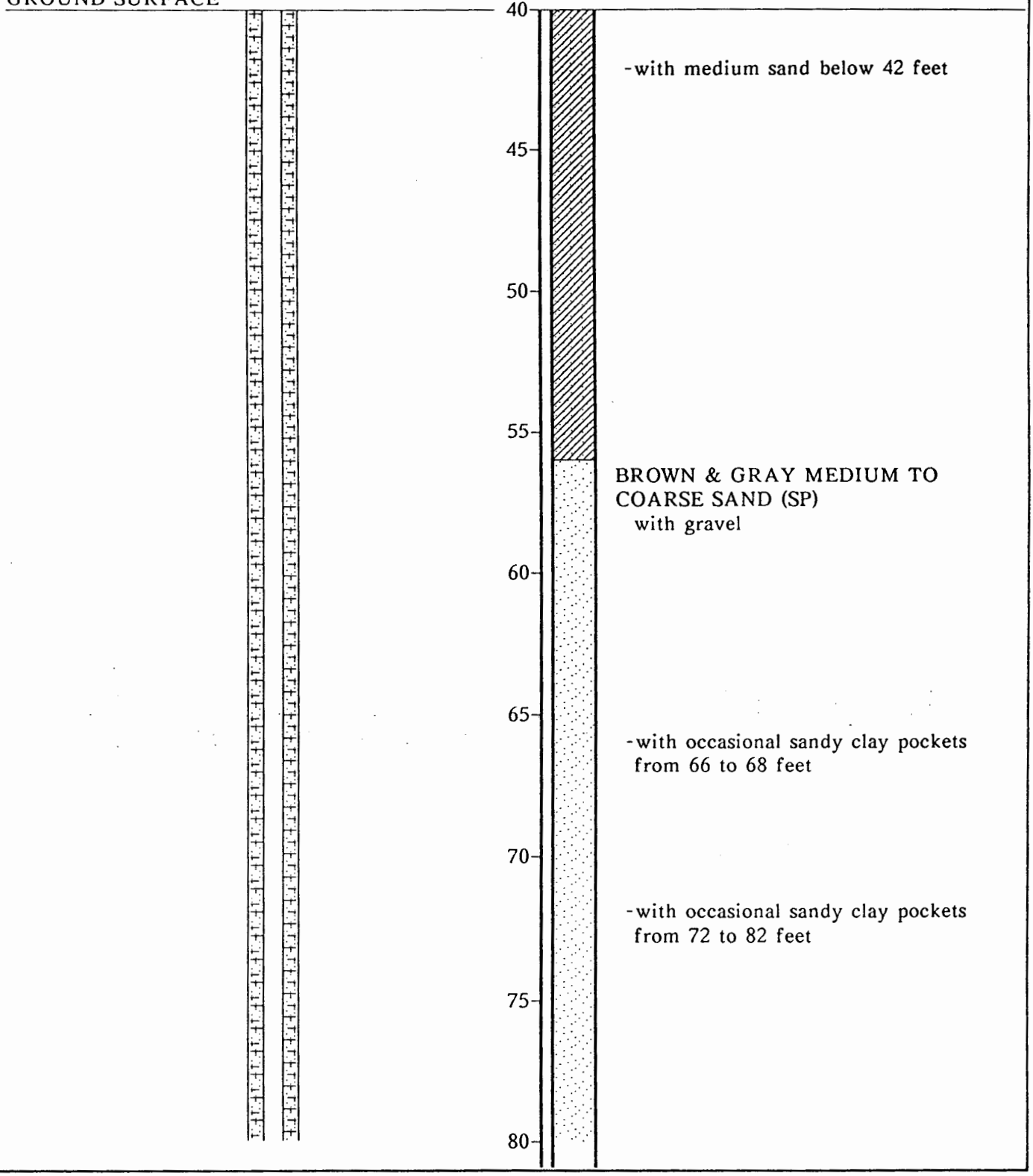
PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003145

Equipment GD-1500

Elevation ft Date 12/7/89



Harding Lawson Associates
Engineers and Environmental Services

MONITORING WELL DETAIL MW-47

Sparton Technology Inc.
Albuquerque, New Mexico

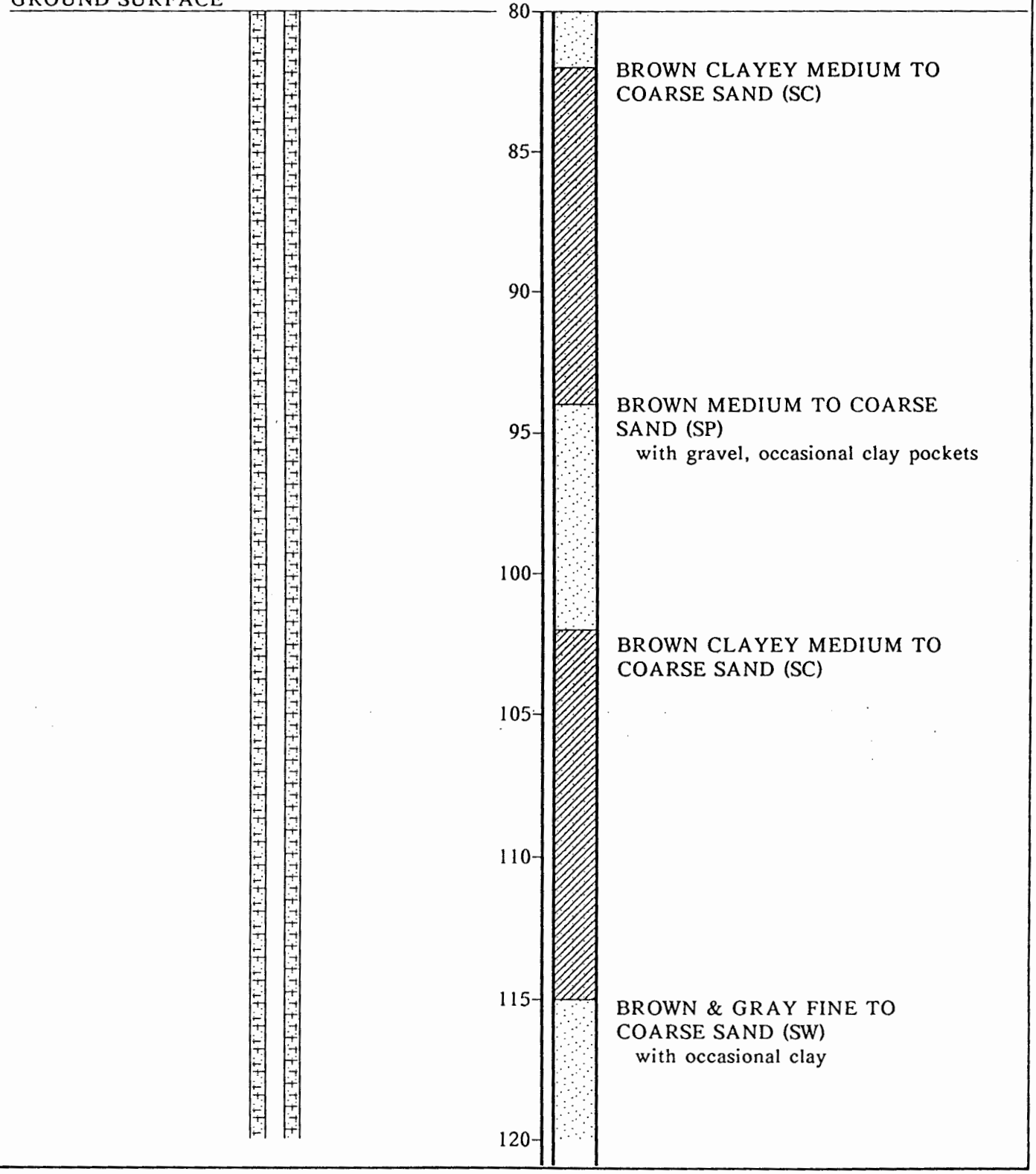
PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003146

Equipment GD-1500

Elevation ft Date 12/7/89



Harding Lawson Associates Engineers and Environmental Services

MONITORING WELL DETAIL MW-47

PLATE

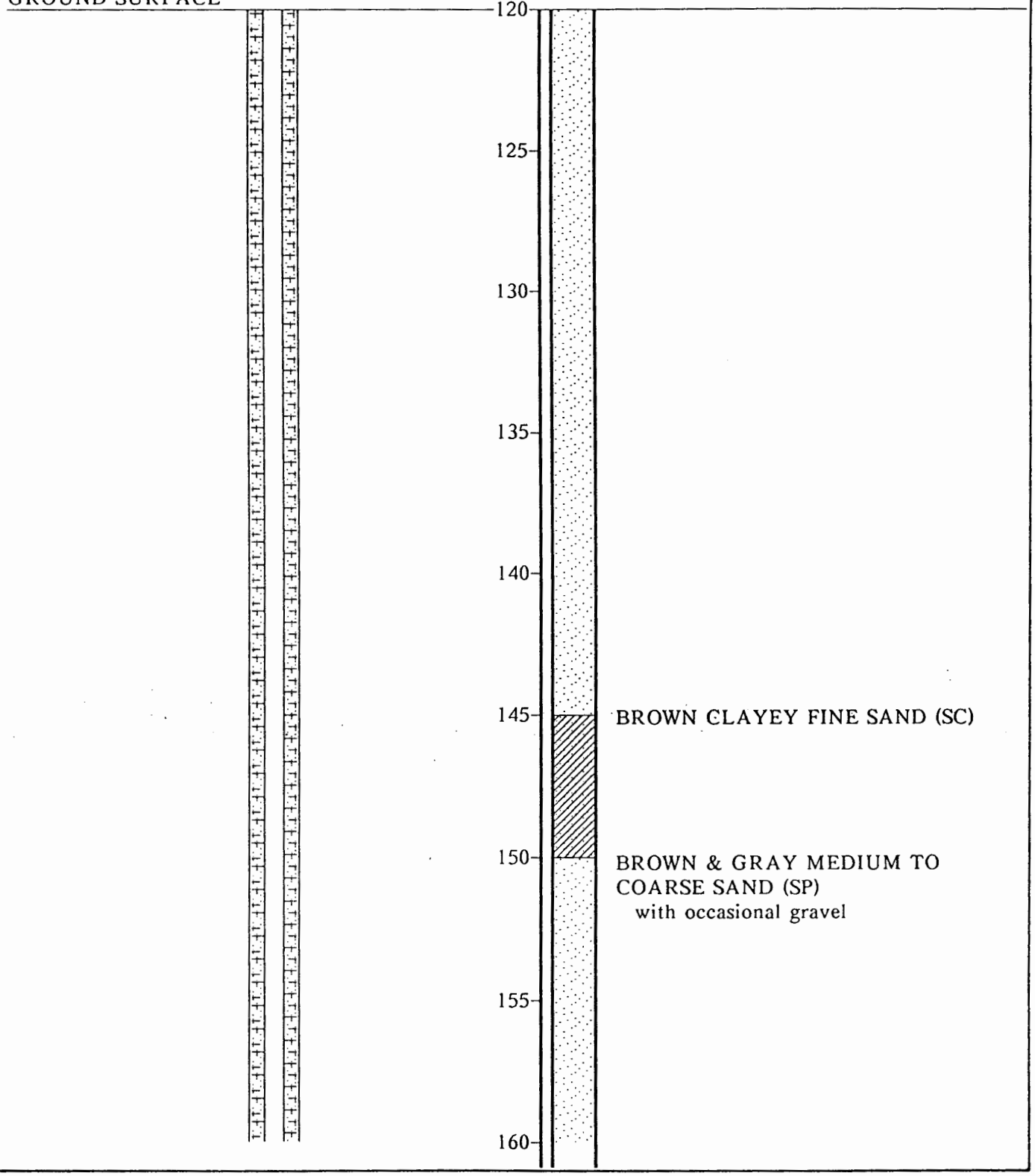
Sparton Technology Inc.
Albuquerque, New Mexico

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003147

Equipment GD-1500

Elevation ft Date 12/7/89



Harding Lawson Associates
Engineers and Environmental Services

MONITORING WELL DETAIL MW-47

Sparton Technology Inc.
Albuquerque, New Mexico

PLATE

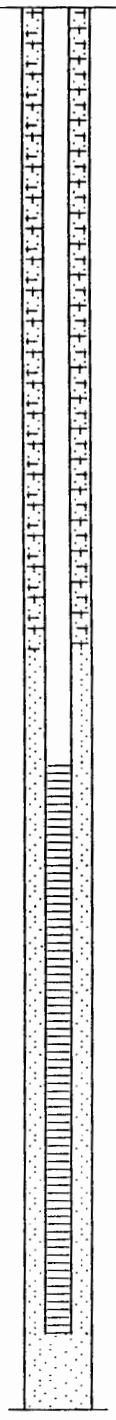
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003148

Equipment GD-1500

Elevation ft Date 12/7/89

GROUND SURFACE



Stainless Steel casing
from 164.6-180 feet

Sandpack:
20x40 sand (177-178)
10x20 sand (178-197)

7-7/8" Borehole
174-197 feet

4" Stainless Steel
Screen (Slot size 0.02")

Bottom Cap

160
165
170
175
180
185
190
195
200

BROWN, GRAY, & BLACK
GRAVEL (GP)

BROWN, GRAY, & BLACK
GRAVELLY SAND (SP)

End of Boring at 197 feet.

Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-47

Sparton Technology Inc.
Albuquerque, New Mexico

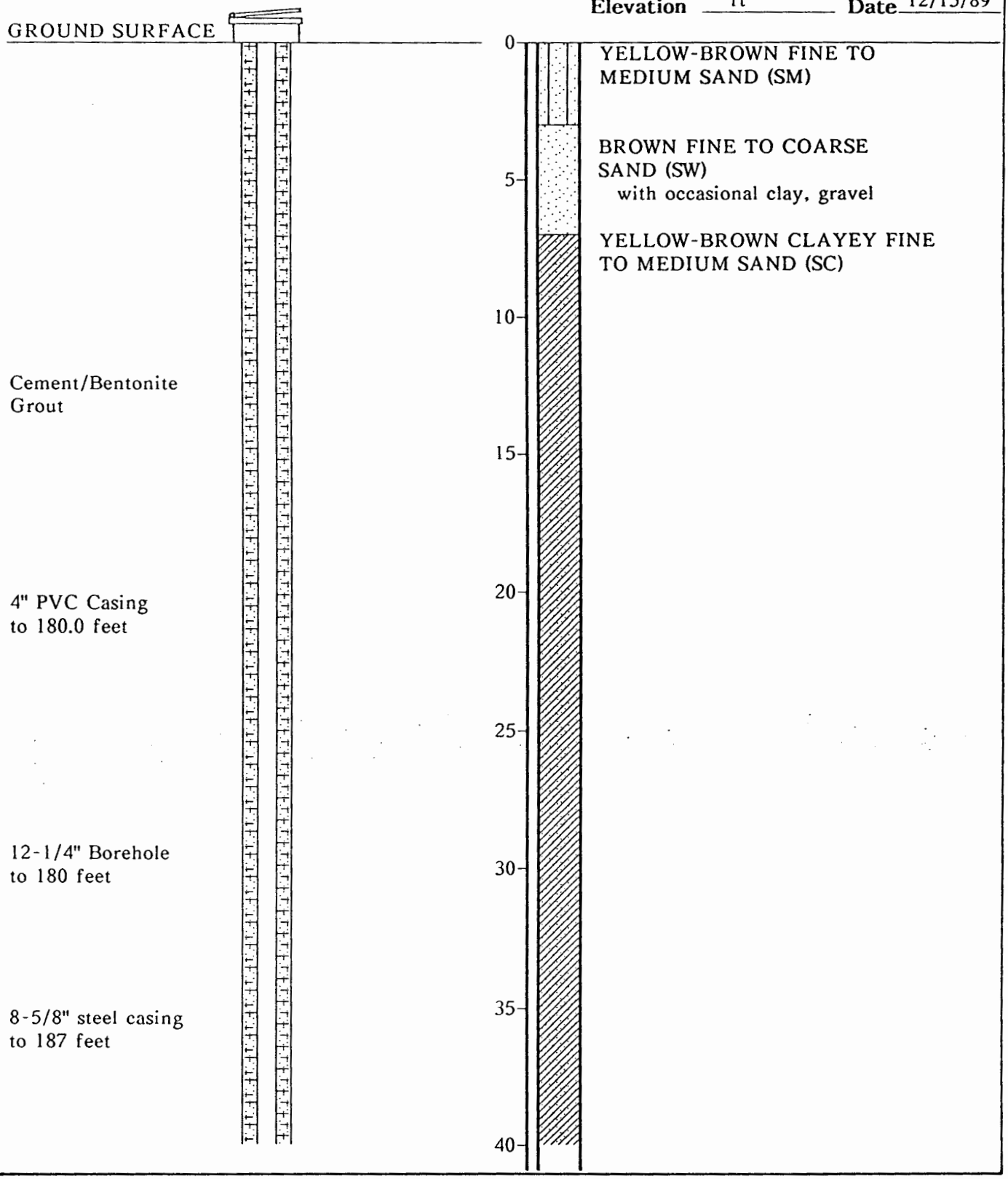
PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
OGC-003149	06310,039.12		3/90		

Top of Riser Elevation 5168.33

Equipment GD-1500

Elevation ft Date 12/15/89



Harding Lawson Associates
Engineers and Environmental Services

MONITORING WELL DETAIL MW-48

Sparton Technology Inc.
Albuquerque, New Mexico

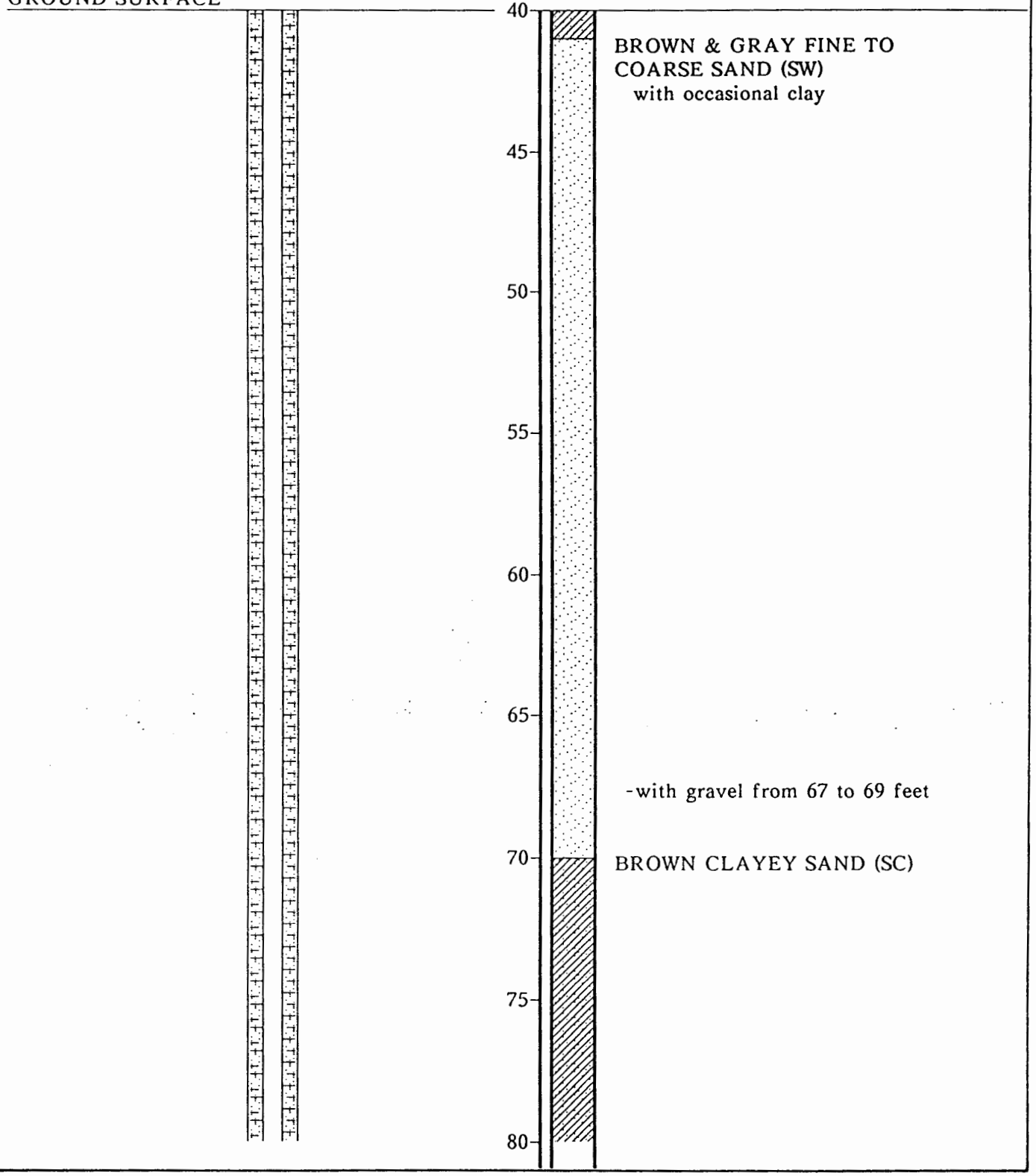
PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003150

Equipment GD-1500

Elevation ft Date 12/15/89



Harding Lawson Associates
Engineers and Environmental Services

MONITORING WELL DETAIL MW-48

Sparton Technology Inc.
Albuquerque, New Mexico

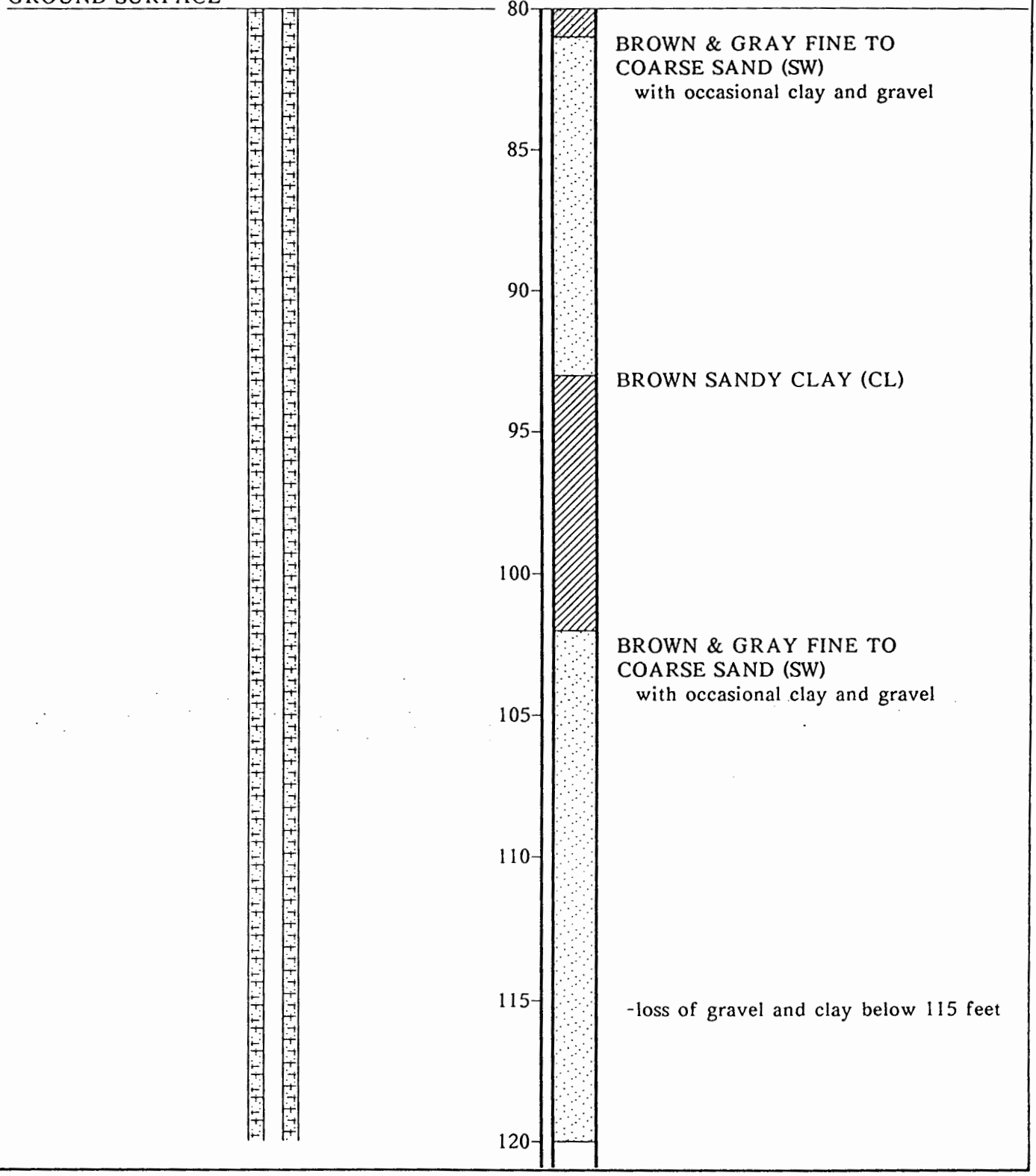
PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003151

Equipment GD-1500

Elevation ft Date 12/15/89



Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-48

Sparton Technology Inc.
Albuquerque, New Mexico

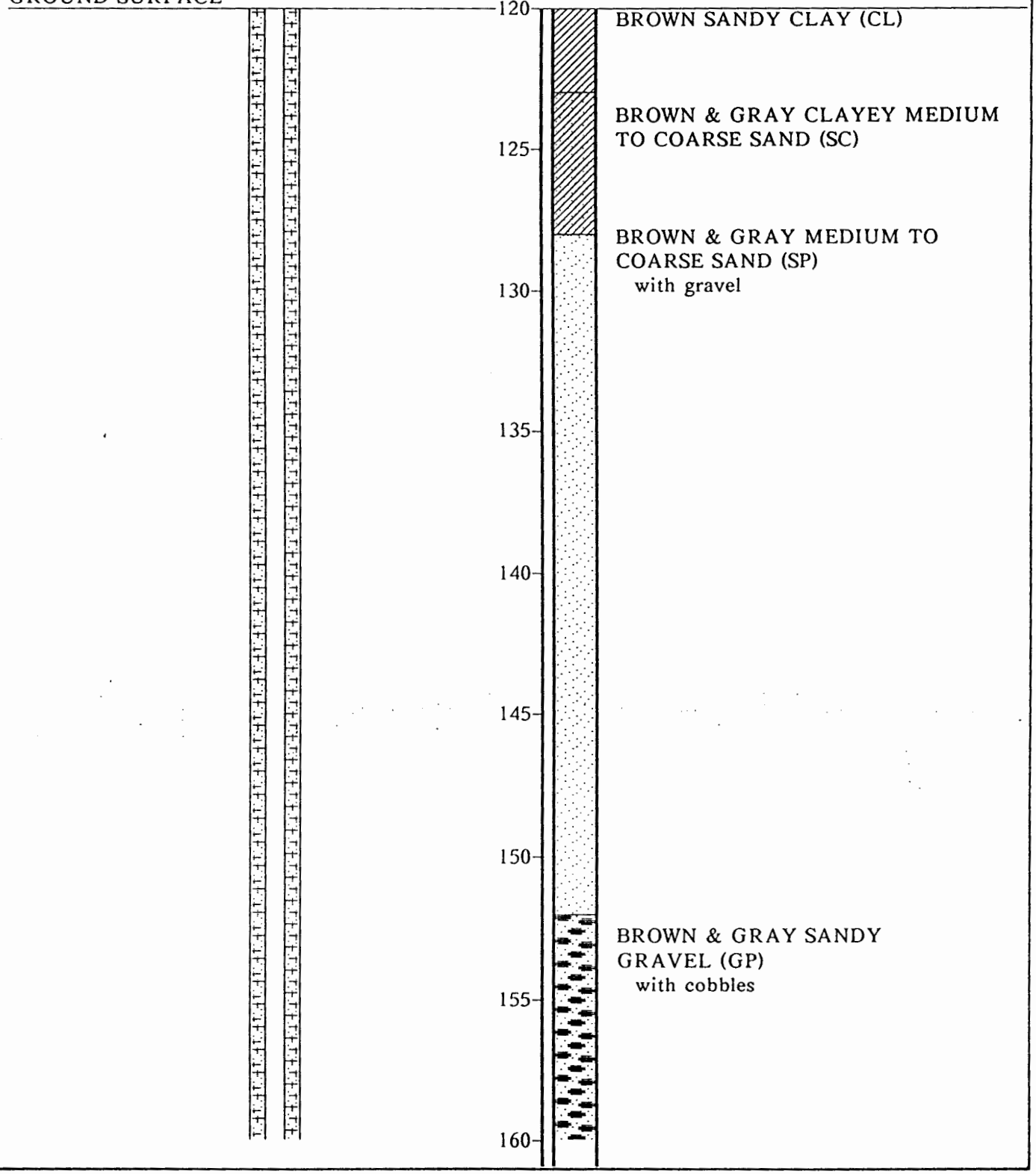
PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003152

Equipment GD-1500

Elevation ft Date 12/15/89



Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-48

Sparton Technology Inc.
Albuquerque, New Mexico

PLATE

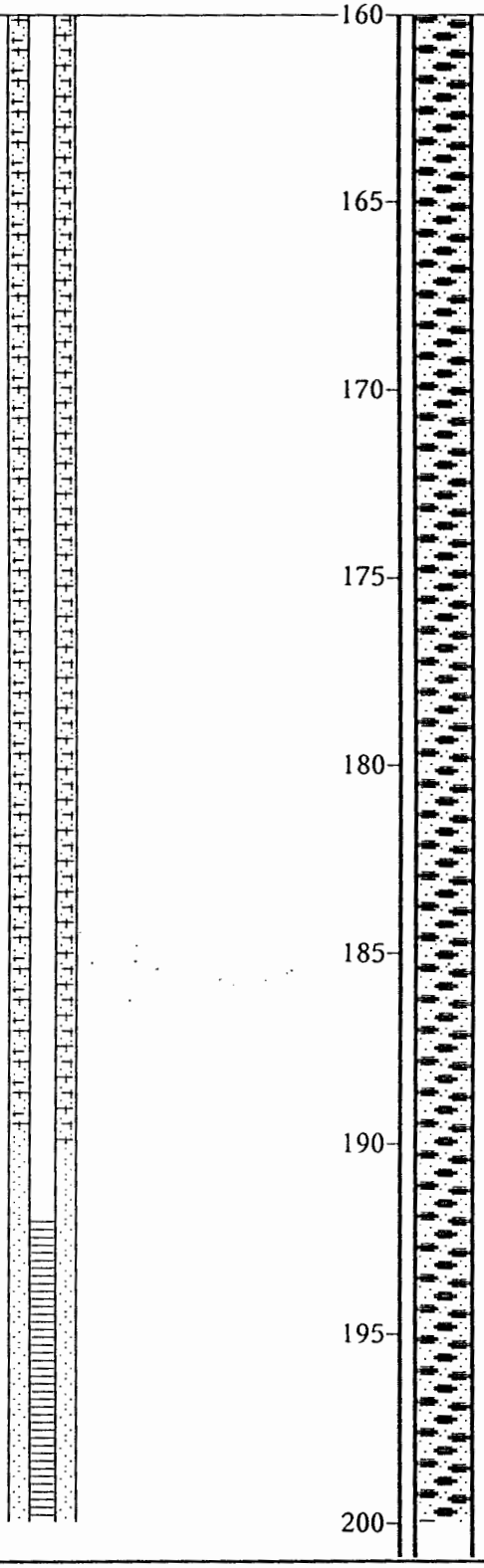
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003153

Equipment GD-1500

Elevation ft Date 12/15/89

GROUND SURFACE



Stainless Steel casing
from 180-192 feet

7-7/8" Borehole
188-209 feet

Sandpack:
20x40 sand (189-190)
10x20 sand (190-207)

4" Stainless Steel
Screen (Slot size 0.02")

Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-48

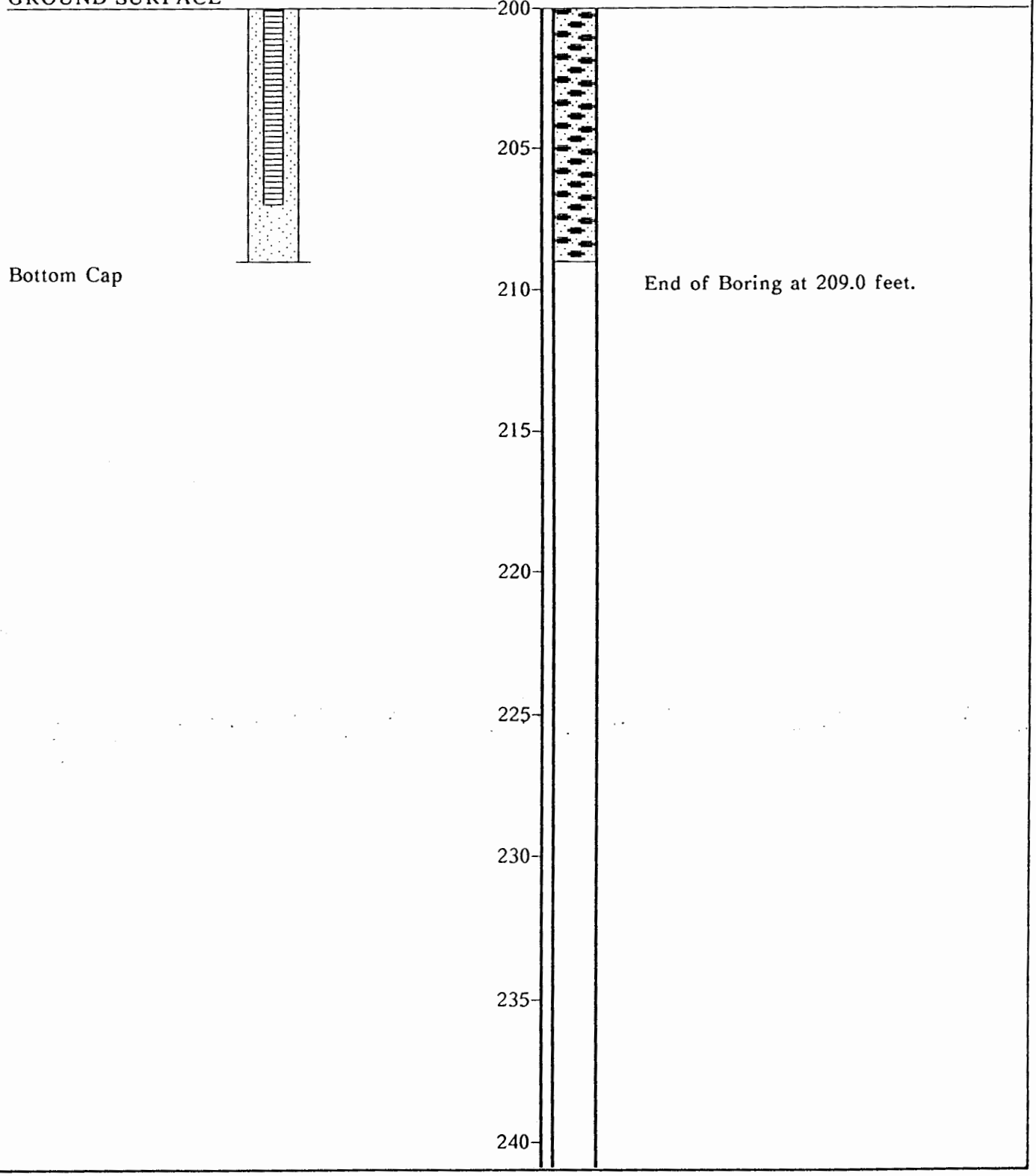
Sparton Technology Inc.
Albuquerque, New Mexico

PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
OGC-003154	06310,039.12		3/90		

Equipment GD-1500

Elevation ft Date 12/15/89



Harding Lawson Associates
Engineers and
Environmental Services

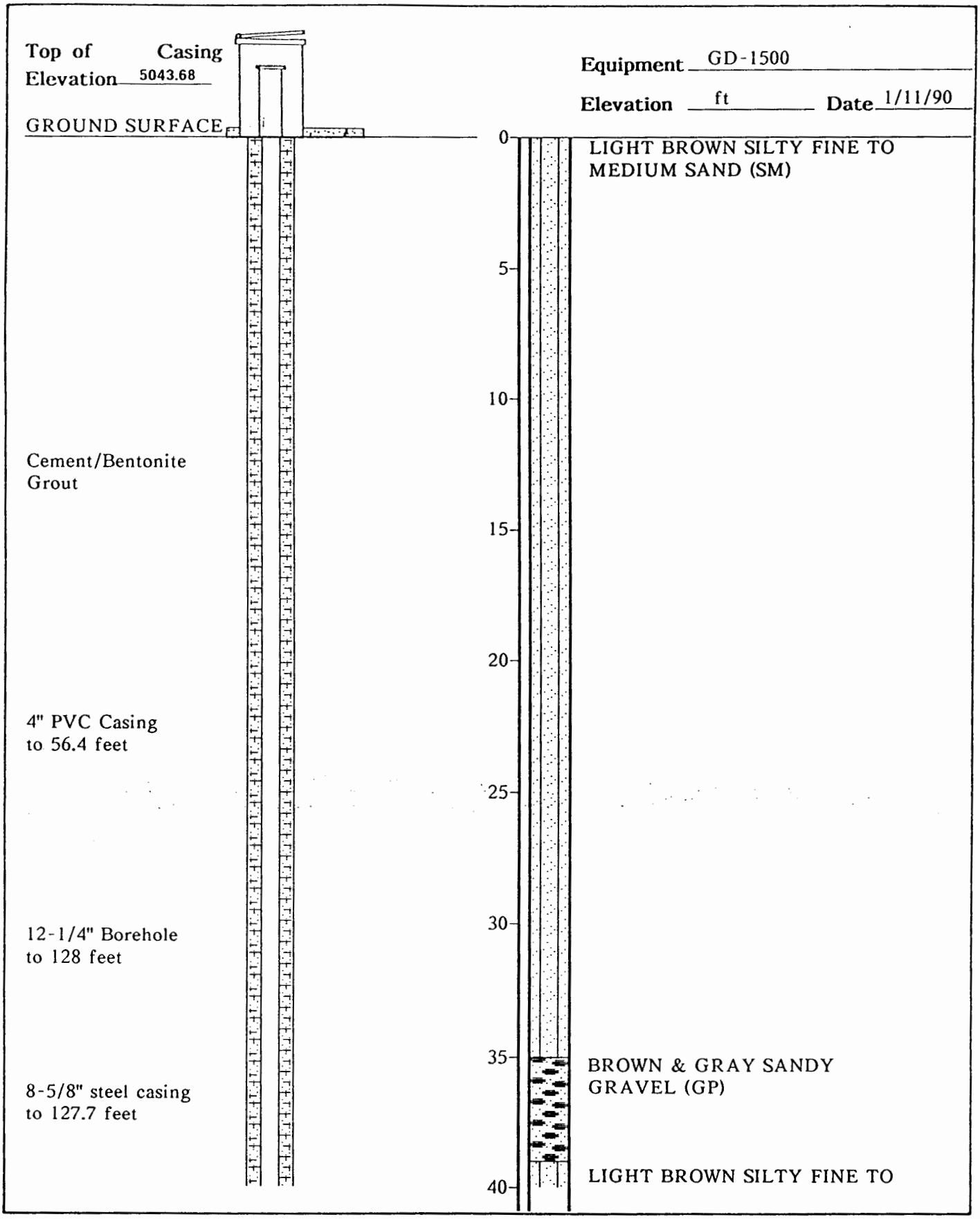
MONITORING WELL DETAIL MW-48

Sparton Technology Inc.
Albuquerque, New Mexico

PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003155



Harding Lawson Associates
Engineers and Environmental Services

MONITORING WELL DETAIL MW-49

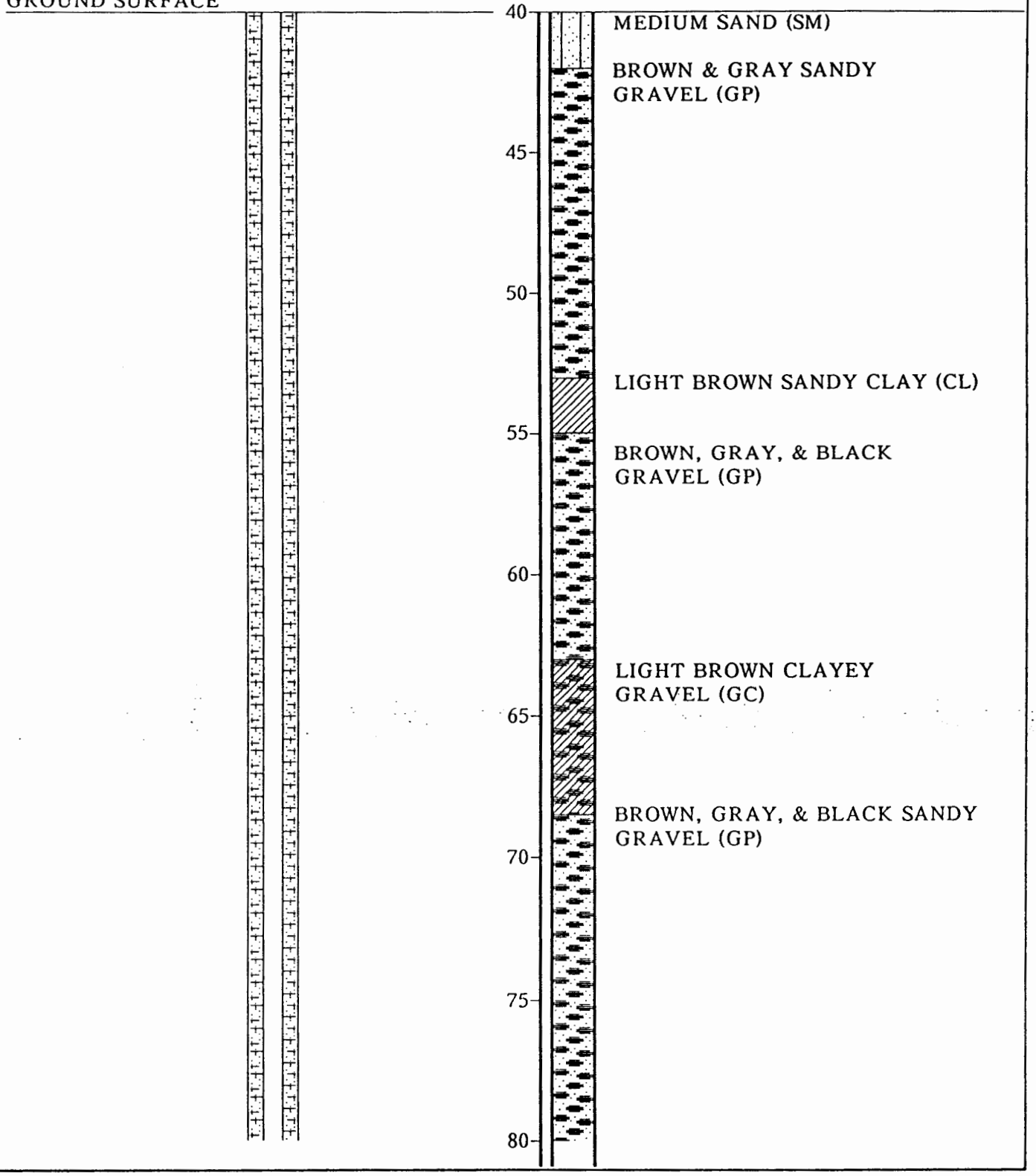
Sparton Technology Inc.
Albuquerque, New Mexico

PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
OGC-003156	06310,039.12		3/90		

Equipment GD-1500

Elevation ft Date 1/11/90



Harding Lawson Associates
Engineers and
Environmental Services

MONITORING WELL DETAIL MW-49

PLATE

Sparton Technology Inc.
Albuquerque, New Mexico

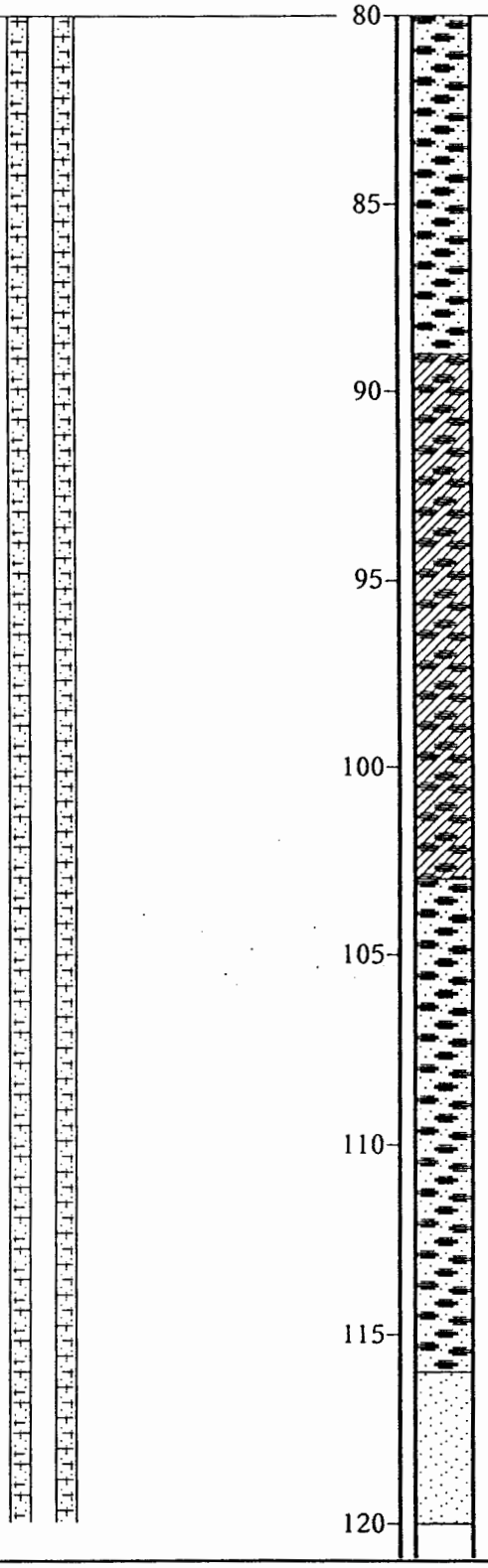
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003157

Equipment GD-1500

Elevation ft Date 1/11/90

GROUND SURFACE



Stainless Steel casing
from 56.4-137.8 feet

BROWN CLAYEY GRAVEL (GC)

BROWN, GRAY, & BLACK SANDY GRAVEL (GP)

BROWN & GRAY MEDIUM TO COARSE SAND (SP)
with gravel

Harding Lawson Associates
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Environmental Services

MONITORING WELL DETAIL MW-49

Sparton Technology Inc.
Albuquerque, New Mexico

PLATE

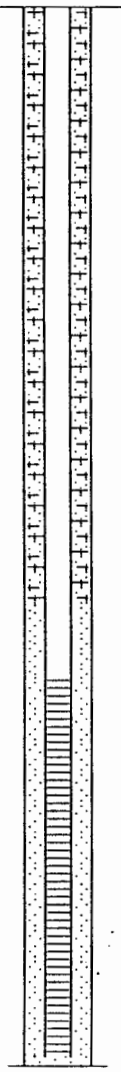
DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003158

Equipment GD-1500

Elevation ft Date 1/11/90

GROUND SURFACE



Sandpack:
20x40 sand
(134.7-135.8)
10x20 sand
(135.8-147.9)

7-7/8" Borehole
from 128-148 feet

4" Stainless Steel
Screen (Slot size 0.02")

Bottom Cap

120

125

130

135

140

145

150

155

160

LIGHT BROWN CLAYEY FINE TO COARSE SAND (SC)

-loss of coarse sand from 126 to 128 feet

BROWN SILTY FINE SAND (SM)

BROWN SILTY FINE SAND (SM)
with clay laminations and
embedded gravel

BROWN & GRAY MEDIUM TO COARSE SAND (SP)
with gravel

BROWN, GRAY, & BLACK COARSE SANDY GRAVEL (GP)
with occasional sandy clay

End of Boring at 148.00 feet.

Harding Lawson Associates
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Environmental Services

MONITORING WELL DETAIL MW-49

Sparton Technology Inc.
Albuquerque, New Mexico

PLATE

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED	DATE
	06310,039.12		3/90		

OGC-003159

Attachment II

RFI Analytical Results

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

SUMMARY OF GENERAL INORGANIC ANALYSES

SAMPLE ID	DATE SAMPLED	CHLORIDE mg/l (250)	FLUORIDE mg/l (1.6)	AMMONIA as N mg/l (---)	NITRATE as N mg/l (10)	SULFATE mg/l (600)	TOTAL KJELDAH NITROGE as N mg/l (---
MW-13	02/14/89	24	0.3	0.1	2.2	104	0.3
MW-13	03/13/89	25	0.4	< 0.1	2.6	100	< 0.1
MW-14	02/15/89	91	0.2	< 0.1	18	124	0.4
MW-14	03/14/89	94	0.3	< 0.1	22	133	< 0.1
MW-15	02/16/89	48	0.4	< 0.1	5.2	122	0.4
MW-15	03/15/89	36	0.4	< 0.1	4.5	120	< 0.1
MW-29	02/15/89	26	0.3	< 0.1	2.0	107	0.2
MW-29	03/13/89	25	0.3	< 0.1	1.9	106	< 0.1
MW-30	02/14/89	28	0.3	< 0.1	4.6	122	< 0.1
MW-30	03/14/89	28	0.4	< 0.1	4.4	120	< 0.1
MW-31	02/13/89	31	0.3	< 0.1	3.5	133	< 0.1
MW-31	03/15/89	31	0.3	< 0.1	3.3	126	< 0.1
MW-32	02/16/89	107	< 0.1	< 0.1	0.7	127	0.3
MW-32	03/16/89	88	0.3	< 0.1	0.7	121	< 0.1
MW-33	02/14/89	177	0.9	3.5	< 0.1	263	4.7
MW-33	03/14/89	176	1.1	6.2	< 0.1	261	6.5
MW-34	08/16/89	11	0.5	< 0.1	1.1	105	< 0.5
MW-34	08/28/89	12	0.4	< 0.1	12	130	< 0.5
MW-34	08/28/89	12	0.4	< 0.1	12	130	< 0.5
MW-35	08/15/89	24	0.6	< 0.1	68	204	< 0.5
MW-35	08/28/89	25	0.3	< 0.1	24	220	< 0.5

NOTE : State Standards, where they exist, are shown in parentheses.

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

SUMMARY OF GENERAL INORGANIC ANALYSES

SAMPLE ID	DATE SAMPLED	CHLORIDE mg/l (250)	FLUORIDE mg/l (1.6)	AMMONIA as N mg/l (---)	NITRATE as N mg/l (10)	SULFATE mg/l (600)	TOTAL KJELDAI NITROGI as N mg/l (---
MW-36	08/15/89	19	0.4	< 0.1	22	171	< 0.5
MW-36	08/28/89	23	0.3	< 0.1	13	111	< 0.5
MW-37	08/15/89	23	0.6	< 0.1	1.2	122	0.8
MW-37	08/28/89	21	0.9	< 0.1	1.5	140	< 0.5
MW-38	11/06/89	12	0.3	< 0.1	0.4	71	< 0.5
MW-38	11/20/89	12	0.4	< 0.1	0.3	71	< 0.5
MW-39	11/06/89	25	0.3	< 0.1	0.3	106	< 0.5
MW-39	11/20/89	21	0.3	< 0.1	< 0.1	93	< 0.5
MW-40	11/07/89	24	0.3	< 0.1	0.9	119	< 0.5
MW-40	11/21/89	24	0.3	< 0.1	0.8	120	< 0.5
MW-41	11/07/89	54	0.2	< 0.1	3.2	128	< 0.5
MW-41	11/20/89	44	0.2	< 0.1	3.3	122	< 0.5
MW-42	12/12/89	22	0.3	< 0.1	2.5	96	< 0.5
MW-42	12/21/89	20	0.3	< 0.1	2.5	92	< 0.5
MW-43	12/12/89	28	0.2	< 0.1	0.6	110	< 0.5
MW-43	12/21/89	26	0.2	< 0.1	0.6	105	< 0.5
MW-44	01/04/90	9	0.4	< 0.1	1.9	71	< 0.5
MW-44	01/16/90	9	0.3	< 0.1	1.9	72	< 0.5
MW-45	01/04/90	39	0.3	< 0.1	3.9	120	< 0.5
MW-45	01/17/90	41	0.2	< 0.1	4.0	119	< 0.5
MW-46	01/04/90	31	0.4	< 0.1	2.2	102	< 0.5

NOTE : State Standards, where they exist, are shown in parentheses.

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

SUMMARY OF GENERAL INORGANIC ANALYSES

SAMPLE ID	DATE SAMPLED	CHLORIDE mg/l (250)	FLUORIDE mg/l (1.6)	AMMONIA as N mg/l (---)	NITRATE as N mg/l (10)	SULFATE mg/l (600)	TOTAL KJELDAH NITROGE as N mg/l (---
MW-46	01/17/90	31	0.4	< 0.1	2.3	100	< 0.5
MW-47	01/03/90	27	0.4	< 0.1	4.0	116	< 0.5
MW-47	01/16/90	27	0.3	< 0.1	3.8	115	< 0.5
MW-48	01/03/90	32	0.4	< 0.1	2.5	120	< 0.5
MW-48	01/16/90	32	0.3	< 0.1	2.5	123	< 0.5
MW-49	01/25/90	19	0.3	< 0.1	0.7	107	< 0.5
MW-49	01/31/90	19.7	0.25	< 0.1	0.62	103	< 0.5

NOTE : State Standards, where they exist, are shown in parentheses.

OGC-003164

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

SUMMARY OF METALS ANALYSES

mg/l

SAMPLE ID	DATE SAMPLED	ANTIMONY (---)	ARSENIC (0.1)	BARIUM (1)	BERYLLIUM (---)	BORON (0.75)	CADMIUM (0.01)	CHROMIUM (0.05)	COBALT (---)	COPPER (---)	LEAD (0.05)	MANGANESE (0.2)	MERCURY (0.002)	NICKEL (---)	SELENIUM (0.05)	SILVER (0.05)	THALLIUM (---)	TIN (---)	VANADIUM (---)	ZINC (---)
MW-13	02/14/89	< 0.05	< 0.003	0.067	< 0.001	0.78	< 0.005	< 0.01	< 0.01	< 0.006	0.003	0.19	< 0.0001	< 0.04	0.005	< 0.005	< 0.02	< 0.03	< 0.01	0.07
MW-13	03/13/89	< 0.05	< 0.006	0.054	< 0.001	0.64	< 0.005	< 0.01	< 0.01	0.008	< 0.002	0.15	< 0.0001	< 0.04	0.006	< 0.005	< 0.004	< 0.04	< 0.01	0.02
MW-14	02/15/89	< 0.05	< 0.003	0.23	< 0.001	0.95	< 0.005	0.75	< 0.01	< 0.006	< 0.002	< 0.005	< 0.0001	< 0.04	0.005	< 0.005	< 0.08	< 0.03	< 0.01	< 0.01
MW-14	03/14/89	< 0.05	< 0.003	0.17	< 0.001	1.2	< 0.005	0.90	< 0.01	< 0.006	< 0.002	0.008	< 0.0001	< 0.04	0.008	< 0.005	< 0.08	< 0.03	< 0.01	< 0.01
MW-15	02/16/89	< 0.05	0.006	0.11	< 0.001	0.12	< 0.005	< 0.01	< 0.01	< 0.006	< 0.004	< 0.005	< 0.0001	< 0.04	< 0.002	< 0.005	< 0.04	< 0.03	< 0.01	< 0.01
MW-15	03/15/89	< 0.05	0.007	0.097	< 0.001	0.12	0.007	< 0.01	< 0.01	< 0.006	< 0.002	< 0.005	< 0.0001	< 0.04	< 0.002	< 0.005	< 0.008	< 0.03	< 0.01	< 0.01
MW-29	02/15/89	< 0.05	0.006	0.18	< 0.001	0.13	< 0.005	< 0.01	< 0.01	< 0.006	< 0.004	0.81	< 0.0001	< 0.04	< 0.002	< 0.005	< 0.02	< 0.03	< 0.01	< 0.01
MW-29	03/13/89	< 0.05	0.008	0.16	< 0.001	0.13	< 0.005	< 0.01	< 0.01	0.019	< 0.002	0.74	< 0.0001	< 0.04	< 0.002	< 0.005	< 0.004	< 0.04	< 0.01	0.01
MW-30	02/14/89	< 0.05	0.005	0.079	< 0.001	0.20	< 0.005	0.09	< 0.01	< 0.006	< 0.004	0.15	< 0.0001	< 0.04	< 0.002	< 0.005	< 0.02	< 0.03	< 0.01	0.01
MW-30	03/14/89	< 0.05	0.004	0.086	< 0.001	0.18	< 0.005	0.06	< 0.01	< 0.006	< 0.002	0.21	< 0.0001	< 0.04	< 0.002	< 0.005	< 0.04	< 0.03	< 0.01	< 0.01
MW-31	02/13/89	< 0.05	< 0.006	0.065	< 0.001	0.17	< 0.005	< 0.01	< 0.001	< 0.006	< 0.002	0.017	< 0.0001	< 0.04	< 0.002	< 0.005	< 0.02	< 0.03	< 0.01	< 0.01
MW-31	03/15/89	< 0.05	< 0.003	0.057	< 0.001	0.16	0.006	< 0.01	< 0.01	< 0.006	< 0.002	0.011	< 0.0001	< 0.04	< 0.002	< 0.005	< 0.008	< 0.03	< 0.01	< 0.01
MW-32	02/16/89	< 0.05	0.004	0.18	< 0.001	0.51	< 0.005	0.02	< 0.01	< 0.006	< 0.004	1.3	0.0002	< 0.04	< 0.002	< 0.005	< 0.04	< 0.03	< 0.01	< 0.01
MW-32	03/16/89	< 0.05	< 0.003	0.15	< 0.001	0.46	0.006	0.03	< 0.01	< 0.006	< 0.002	1.1	< 0.0001	< 0.04	< 0.002	< 0.005	< 0.008	< 0.03	< 0.01	< 0.01
MW-33	02/14/89	< 0.05	0.004	0.062	< 0.001	7.7	< 0.005	0.14	0.01	< 0.006	< 0.002	2.4	< 0.0001	0.62	< 0.002	< 0.005	< 0.04	< 0.03	< 0.01	0.02
MW-33	03/14/89	< 0.05	0.004	0.061	< 0.001	7.1	< 0.005	< 0.01	0.01	< 0.006	< 0.002	2.3	< 0.0001	0.51	0.003	< 0.005	< 0.08	< 0.03	< 0.01	< 0.01
MW-34	08/16/89	< 0.05	0.014	3.0	0.005	0.13	< 0.005	0.55	0.05	0.08	0.062	8.5	< 0.0002	0.23	< 0.01	< 0.01	< 0.01	< 0.07	0.16	0.48
MW-34	08/28/89	< 0.05	< 0.005	0.28	< 0.002	0.16	< 0.005	0.09	< 0.01	0.02	0.007	1.4	< 0.0002	0.04	< 0.005	< 0.01	< 0.005	< 0.005	0.01	0.14
MW-35	08/15/89	< 0.05	0.010	0.64	< 0.002	0.22	< 0.005	0.25	0.02	0.05	0.033	3.3	< 0.0002	0.14	< 0.01	< 0.01	< 0.05	< 0.07	0.05	0.32
MW-35	08/28/89	< 0.05	< 0.005	0.15	< 0.002	0.23	< 0.005	0.02	< 0.01	0.01	0.005	0.42	0.0007	< 0.04	0.019	0.01	< 0.01	< 0.05	0.01	0.09
MW-36	08/15/89	< 0.05	0.031	1.2	0.008	0.21	< 0.005	0.26	0.02	0.07	0.37	3.9	< 0.0002	0.15	< 0.02	< 0.01	< 0.05	< 0.07	0.09	0.50

OGC-003165

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

SUMMARY OF METALS ANALYSES

mg/l

SAMPLE ID	DATE SAMPLED	ANTIMONY (---)	ARSENIC (0.1)	BARIUM (1)	BERYLLIUM (---)	BORON (0.75)	CADMIUM (0.01)	CHROMIUM (0.05)	COBALT (---)	COPPER (---)	LEAD (0.05)	MANGANESE (0.2)	MERCURY (0.002)	NICKEL (---)	SELENIUM (0.05)	SILVER (0.05)	THALLIUM (---)	TIN (---)	VANADIUM (---)	ZINC (---)
MW-36	08/28/89	< 0.05	< 0.005	0.10	< 0.002	0.20	< 0.005	0.07	< 0.01	< 0.01	0.009	0.07	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	0.10
MW-37	08/15/89	< 0.05	0.034	0.54	0.007	0.23	< 0.005	0.23	0.01	0.06	0.15	2.0	< 0.0002	0.14	< 0.02	< 0.01	< 0.05	< 0.07	0.11	0.67
MW-37	08/28/89	< 0.05	0.012	0.03	< 0.002	0.17	0.006	0.05	< 0.01	< 0.01	< 0.01	0.05	< 0.0002	< 0.04	< 0.005	0.01	< 0.005	< 0.05	0.06	0.07
MW-38	11/06/89	< 0.05	< 0.005	0.13	< 0.002	0.13	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	0.27	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	0.76
MW-38	11/20/89	< 0.05	< 0.005	0.12	< 0.002	0.11	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	0.42	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	0.54
MW-39	11/06/89	< 0.05	< 0.005	0.14	< 0.002	0.12	< 0.005	< 0.01	< 0.01	< 0.01	< 0.01	0.38	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	0.35
MW-39	11/20/89	< 0.05	< 0.005	0.14	< 0.002	0.12	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	0.64	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.02	< 0.05	< 0.01	0.15
MW-40	11/07/89	< 0.05	< 0.01	0.12	< 0.002	0.14	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	0.02	< 0.0002	< 0.04	< 0.01	< 0.01	< 0.01	< 0.05	< 0.01	0.66
MW-40	11/21/89	< 0.05	< 0.01	0.12	< 0.002	0.15	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	0.01	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	0.37
MW-41	11/07/89	< 0.05	< 0.005	0.06	< 0.002	0.14	< 0.005	0.02	< 0.01	< 0.01	< 0.005	0.13	< 0.0002	< 0.04	< 0.01	< 0.01	< 0.01	< 0.05	< 0.01	0.03
MW-41	11/20/89	< 0.05	< 0.005	0.06	< 0.002	0.14	< 0.005	0.02	< 0.01	< 0.01	< 0.005	0.14	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.05	< 0.05	< 0.01	0.02
MW-42	12/12/89	< 0.05	< 0.005	0.07	< 0.002	0.10	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01
MW-42	12/21/89	< 0.05	< 0.01	0.07	< 0.002	0.11	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01	< 0.0002	< 0.04	< 0.01	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01
MW-43	12/12/89	< 0.05	< 0.005	0.17	< 0.002	0.11	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	0.45	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	0.15
MW-43	12/21/89	< 0.05	0.008	0.16	< 0.002	0.12	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	0.48	< 0.0002	< 0.04	< 0.01	< 0.01	< 0.02	< 0.05	< 0.01	< 0.01
MW-44	01/04/90	< 0.05	< 0.005	0.09	< 0.002	0.10	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	0.01	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.005	< 0.05	< 0.01	0.01
MW-44	01/16/90	< 0.05	< 0.01	0.10	< 0.002	0.11	< 0.005	0.27	< 0.01	< 0.01	< 0.005	0.02	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01
MW-45	01/04/90	< 0.05	< 0.005	0.06	< 0.002	0.33	< 0.005	0.53	< 0.01	< 0.01	< 0.01	0.01	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	0.06
MW-45	01/17/90	< 0.05	< 0.005	0.06	< 0.002	0.36	< 0.005	0.57	< 0.01	0.02	0.024	0.01	< 0.0002	< 0.04	< 0.01	< 0.01	< 0.01	< 0.05	< 0.01	0.05
MW-46	01/04/90	< 0.05	0.005	0.11	< 0.002	0.10	< 0.005	0.11	< 0.01	0.07	< 0.005	0.21	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	1.2
MW-46	01/17/90	< 0.05	< 0.005	0.15	< 0.002	0.13	< 0.005	0.17	< 0.01	0.13	0.024	0.08	< 0.0002	< 0.04	< 0.01	< 0.01	< 0.005	< 0.05	0.01	0.43

OGC-003166

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

SUMMARY OF METALS ANALYSES

mg/l

SAMPLE ID	DATE SAMPLED	ANTIMONY (---)	ARSENIC (0.1)	BARIUM (1)	BERYLLIUM (---)	BORON (0.75)	CADMIUM (0.01)	CHROMIUM (0.05)	COBALT (---)	COPPER (---)	LEAD (0.05)	MANGANESE (0.2)	MERCURY (0.002)	NICKEL (---)	SELENIUM (0.05)	SILVER (0.05)	THALLIUM (---)	TIN (---)	VANADIUM (---)	ZINC (---)
MW-47	01/03/90	< 0.05	0.006	0.06	< 0.002	0.09	< 0.005	0.25	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.005	< 0.05	< 0.01	< 0.01
MW-47	01/16/90	< 0.05	0.006	0.05	< 0.002	0.11	< 0.005	0.27	< 0.01	< 0.01	< 0.005	< 0.01	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01
MW-48	01/03/90	< 0.05	0.006	0.07	< 0.002	0.08	< 0.005	0.14	< 0.01	< 0.01	< 0.01	< 0.01	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	0.01
MW-48	01/16/90	< 0.05	< 0.01	0.06	< 0.002	0.36	< 0.005	0.16	< 0.01	< 0.01	< 0.005	< 0.01	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.01	< 0.05	< 0.01	0.01
MW-49	01/25/90	< 0.05	< 0.005	0.13	< 0.002	0.14	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	0.08	< 0.0002	< 0.04	< 0.01	< 0.01	< 0.005	< 0.05	< 0.01	0.02
MW-49	01/31/90	< 0.05	0.0058	0.14	< 0.002	0.13	< 0.005	< 0.01	< 0.01	< 0.01	< 0.005	0.086	< 0.0002	< 0.04	< 0.005	< 0.01	< 0.005	< 0.05	< 0.01	0.012

NOTE : State standards, where they exist, are shown in parentheses.

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

APPENDIX IX VOLATILE ORGANIC ANALYSES SUMMARY
Part 1 of 3

(all concentrations in micrograms per liter (ug/l))

SAMPLE ID	DATE SAMPLED	ACETONE (---)	ACETO-NITRILE (---)	ACROLEIN (---)	ACRYLO-NITRILE (---)	ALLYL CHLORIDE (---)	BENZENE (10)	BROMO-DICHLORO-METHANE (---)	BROMO-FORM (---)	BROMO-METHANE (---)	CARBON DISULFIDE (---)	CARBON TETRA-CHLORIDE (10)	CHLORO-BENZENE (---)	CHLORO-PRENE (---)	CHLORO-ETHANE (---)	CHLORO-DIBROMO-METHANE (---)	CHLORO-FORM (100)	CHLORO-METHANE (---)	1,2-DIBROMO-3-CHLORO-PROPANE (---)
MW-13	02/14/89	< 75	< 300	< 300	< 300	< 15	< 15	< 15	< 15	< 30	< 15	< 15	< 15	< 15	< 30	< 15	< 15	< 30	< 15
MW-13	03/13/89	< 82	< 330	< 330	< 330	< 16	< 16	< 16	< 16	< 33	< 16	< 16	< 16	< 16	< 33	< 16	< 16	< 33	< 16
MW-14	02/15/89	< 250	<1000	<1000	<1000	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 100	< 50
MW-14	03/14/89	< 420	<1700	<1700	<1700	< 85	< 85	< 85	< 85	< 170	< 85	< 85	< 85	< 85	< 170	< 85	< 85	< 170	< 85
MW-15	02/16/89	< 42	< 170	< 170	< 170	< 8.5	< 8.5	< 8.5	< 8.5	< 17	< 8.5	< 8.5	< 8.5	< 8.5	< 17	< 8.5	< 8.5	< 17	< 8.5
MW-15	03/15/89	< 25	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0
MW-29	02/22/89	< 25	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0
MW-29	03/13/89	< 25	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0
MW-30	02/14/89	< 50	< 200	< 200	< 200	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 20	< 10
MW-30	03/14/89	< 62	< 250	< 250	< 250	< 12	< 12	< 12	< 12	< 25	< 12	< 12	< 12	< 12	< 25	< 12	< 12	< 25	< 12
MW-31	02/13/89	< 25	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0
MW-31	03/15/89	< 25	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0
MW-32	02/16/89	< 2500	<10000	<10000	<10000	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 500	< 1000	< 500	< 500	< 1000	< 500
MW-32	03/16/89	140	< 100	< 100	< 100	< 5.0	9.1	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	35	< 10	< 5.0
MW-33	02/14/89	<1200	<5000	<5000	<5000	< 250	< 250	< 250	< 250	< 500	< 250	< 250	< 250	< 250	< 500	< 250	< 250	< 500	< 250
MW-33	03/14/89	<1200	<5000	<5000	<5000	< 250	< 250	< 250	< 250	< 500	< 250	< 250	< 250	< 250	< 500	< 250	< 250	< 500	< 250
MW-34	08/16/89	< 10	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0
MW-34	08/28/89	< 10	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0
MW-35	08/15/89	< 10	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0
MW-35	08/28/89	< 10	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0

NOTE : State standards, where they exist, are shown in parentheses.

OGC-003168

SPARTON TECHNOLOGY,INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

APPENDIX IX VOLATILE ORGANIC ANALYSES SUMMARY
Part 1 of 3

(all concentrations in micrograms per liter (ug/l))

SAMPLE ID	DATE SAMPLED	ACETONE (---)	ACETO-NITRILE (---)	ACROLEIN (---)	ACRYLO-NITRILE (---)	ALLYL CHLORIDE (---)	BENZENE (10)	BROMO-DICHLORO-METHANE (---)	BROMO-FORM (---)	BROMO-METHANE (---)	CARBON DISULFIDE (---)	CARBON TETRA-CHLORIDE (10)	CHLORO-BENZENE (---)	CHLORO-PRENE (---)	CHLORO-ETHANE (---)	CHLORO-DIBROMO-METHANE (---)	CHLORO-FORM (100)	CHLORO-METHANE (---)	1,2-DIBROMO-3-CHLORO-PROPANE (---)
MW-36	08/15/89	< 10	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0
MW-36	08/28/89	< 10	< 100	< 100	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 10	< 5.0
MW-37	08/15/89	< 100	<1000	<1000	<1000	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 100	< 50
MW-37	08/28/89	< 100	<1000	<1000	<1000	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 100	< 50
MW-38	11/06/89	< 10	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5
MW-38	11/20/89	< 10	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5
MW-39	11/06/89	< 10	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5
MW-39	11/20/89	< 10	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5
MW-40	11/07/89	< 10	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5
MW-40	11/21/89	< 10	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5
MW-41	11/07/89	< 100	<1000	<1000	<1000	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 100	< 50
MW-41	11/20/89	< 100	<1000	<1000	<1000	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 100	< 50
MW-42	12/12/89	< 100	<1000	<1000	<1000	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 100	< 50
MW-42	12/21/89	< 120	<1200	<1200	<1200	< 60	< 60	< 60	< 60	< 120	< 60	< 60	< 60	< 60	< 120	< 60	< 60	< 120	< 60
MW-43	12/12/89	< 25	< 250	< 250	< 250	< 12	< 12	< 12	< 12	< 25	< 12	< 12	< 12	< 12	< 25	< 12	< 12	< 25	< 12
MW-43	12/21/89	< 20	< 200	< 200	< 200	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 10	< 10	< 20	< 10	< 10	< 20	< 10
MW-44	01/04/90	< 10	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5
MW-44	01/16/90	< 10	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5
MW-45	01/04/90	< 200	<2000	<2000	<2000	< 100	< 100	< 100	< 100	< 200	< 100	< 100	< 100	< 100	< 200	< 100	< 100	< 200	< 100
MW-45	01/17/90	< 100	<1000	<1000	<1000	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 100	< 50

NOTE : State standards, where they exist, are shown in parentheses.

SPARTON TECHNOLOGY,INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

APPENDIX IX VOLATILE ORGANIC ANALYSES SUMMARY
Part 1 of 3

(all concentrations in micrograms per liter (ug/l))

SAMPLE ID	DATE SAMPLED	ACETONE (---)	ACETO-NITRILE (---)	ACROLEIN (---)	ACRYLO-NITRILE (---)	ALLYL CHLORIDE (---)	BENZENE (10)	BROMO-DICHLORO-METHANE (---)	BROMO-FORM (---)	BROMO-METHANE (---)	CARBON DISULFIDE (---)	CARBON TETRA-CHLORIDE (10)	CHLORO-BENZENE (---)	CHLORO-PRENE (---)	CHLORO-ETHANE (---)	CHLORO-DIBROMO-METHANE (---)	CHLORO-FORM (100)	CHLORO-METHANE (---)	1,2-DIBROMO-3-CHLORO-PROPANE (---)
MW-46	01/04/90	< 500	<5000	<5000	<5000	< 250	< 250	< 250	< 250	< 500	< 250	< 250	< 250	< 250	< 500	< 250	< 250	< 500	< 250
MW-46	01/17/90	< 200	<2000	<2000	<2000	< 100	< 100	< 100	< 100	< 200	< 100	< 100	< 100	< 100	< 200	< 100	< 100	< 200	< 100
MW-47	01/03/90	< 50	< 500	< 500	< 500	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 50	< 25
MW-47	01/16/90	29	< 250	< 250	< 250	< 12	< 12	< 12	< 12	< 25	< 12	< 12	< 12	< 12	< 25	< 12	< 12	< 25	< 12
MW-48	01/03/90	< 100	<1000	<1000	<1000	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 100	< 50
MW-48	01/16/90	50	< 500	< 500	< 500	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 50	< 25	< 25	< 50	< 25
MW-49	01/25/90	< 10	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5
MW-49	01/31/90	< 10	< 100	< 100	< 100	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 10	< 5

NOTE : State standards, where they exist, are shown in parentheses.

OGC-003170

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

APPENDIX IX VOLATILE ORGANIC ANALYSES SUMMARY
Part 2 of 3

(all concentrations in micrograms per liter (ug/l))

SAMPLE ID	DATE SAMPLED	1,2-DIBROMO-METHANE (---)	DIBROMO-METHANE (---)	TRANS-1,4-DICHLORO-2-BUTENE (---)	DICHLORO-DI-FLOURO-METHANE (---)	1,1-DI-CHLORO-ETHANE (25)	1,2-DI-CHLORO-ETHANE (10)	TRANS-1,2-DICHLORO-ETHENE (---)	1,1-DI-CHLORO-ETHENE (5)	METHYLENE CHLORIDE (100)	1,2-DI-CHLORO PROPANE (---)	CIS-1,3-DI-CHLORO-PROPENE (---)	TRANS-1,3-DI-CHLORO-PROPENE (---)	1,4-DIOXANE (---)	ETHYL BENZENE (750)	ETHYL CYANIDE (---)	2-HEXANONE (100)	IODO-METHANE (---)	ISOBUTYL ALCOHOL (---)
MW-13	02/14/89	< 15	< 15	< 15	< 30	< 15	< 15	< 15	47	< 75	< 15	< 15	< 15	< 300	< 15	< 15	< 30	< 15	< 300
MW-13	03/13/89	< 16	< 16	< 16	< 33	< 16	< 16	< 16	48	< 82	< 16	< 16	< 16	< 330	< 16	< 16	< 33	< 16	< 330
MW-14	02/15/89	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 250	< 50	< 50	< 50	<1000	< 50	< 50	< 100	< 50	<1000
MW-14	03/14/89	< 85	< 85	< 85	< 170	< 85	< 85	< 85	150	< 420	< 85	< 85	< 85	<1700	< 85	< 85	< 170	< 85	<1700
MW-15	02/16/89	< 8.5	< 8.5	< 8.5	< 17	< 8.5	< 8.5	< 8.5	10	< 42	< 8.5	< 8.5	< 8.5	< 170	< 8.5	< 8.5	< 17	< 8.5	< 170
MW-15	03/15/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	11	< 25	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-29	02/22/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-29	03/13/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-30	02/14/89	< 10	< 10	< 10	< 20	< 10	< 10	< 10	19	100	< 10	< 10	< 10	< 200	< 10	< 10	< 20	< 10	< 200
MW-30	03/14/89	< 12	< 12	< 12	< 25	< 12	< 12	< 12	19	110	< 12	< 12	< 12	< 250	< 12	< 12	< 25	< 12	< 250
MW-31	02/13/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-31	03/15/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 25	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-32	02/16/89	< 500	< 500	< 500	< 1000	< 500	< 500	< 500	< 500	12000	< 500	< 500	< 500	<10000	< 500	< 500	< 1000	< 500	<10000
MW-32	03/16/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	340	8600	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-33	02/14/89	< 250	< 250	< 250	< 500	< 250	< 250	< 250	750	<1200	< 250	< 250	< 250	<5000	< 250	< 250	< 500	< 250	<5000
MW-33	03/14/89	< 250	< 250	< 250	< 500	< 250	< 250	< 250	730	<1200	< 250	< 250	< 250	<5000	< 250	< 250	< 500	< 250	<5000
MW-34	08/16/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	6.6	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-34	08/28/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-35	08/15/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	5.9	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-35	08/28/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100

NOTE : State standards, where they exist, are shown in parentheses.

OGC-003171

SPARTON TECHNOLOGY,INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

APPENDIX IX VOLATILE ORGANIC ANALYSES SUMMARY
Part 2 of 3

(all concentrations in micrograms per liter (ug/l))

SAMPLE ID	DATE SAMPLED	1,2-DIBROMO-METHANE (---)	DIBROMO-METHANE (---)	TRANS-1,4-DICHLORO-2-BUTENE (---)	DICHLORO-DI-FLOURO-METHANE (---)	1,1-DI-CHLORO-ETHANE (25)	1,2-DI-CHLORO-ETHANE (10)	TRANS-1,2-DICHLORO-ETHENE (---)	1,1-DI-CHLORO-ETHENE (5)	METHYLENE CHLORIDE (100)	1,2-DI-CHLORO PROPANE (---)	CIS-1,3-DI-CHLORO-PROPENE (---)	TRANS-1,3-DI-CHLORO-PROPENE (---)	1,4-DIOXANE (---)	ETHYL BENZENE (750)	ETHYL CYANIDE (---)	2-HEXANONE (100)	IODO-METHANE (---)	ISOBUTYL ALCOHOL (---)
MW-36	08/15/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	5.3	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-36	08/28/89	< 5.0	< 5.0	< 5.0	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 100	< 5.0	< 5.0	< 10	< 5.0	< 100
MW-37	08/15/89	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	61	< 50	< 50	< 50	<1000	< 50	< 50	< 100	< 50	<1000
MW-37	08/28/89	< 50	< 50	< 50	< 100	< 50	< 50	< 50	67	< 50	< 50	< 50	< 50	<1000	< 50	< 50	< 100	< 50	<1000
MW-38	11/06/89	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 10	< 5	< 100
MW-38	11/20/89	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 10	< 5	< 100
MW-39	11/06/89	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 10	< 5	< 100
MW-39	11/20/89	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 10	< 5	< 100
MW-40	11/07/89	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 10	< 5	< 100
MW-40	11/21/89	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 10	< 5	< 100
MW-41	11/07/89	< 50	< 50	< 50	< 100	< 50	< 50	< 50	150	< 50	< 50	< 50	< 50	<1000	< 50	< 50	< 100	< 50	<1000
MW-41	11/20/89	< 50	< 50	< 50	< 100	< 50	< 50	< 50	110	< 50	< 50	< 50	< 50	<1000	< 50	< 50	< 100	< 50	<1000
MW-42	12/12/89	< 50	< 50	< 50	< 100	< 50	< 50	< 50	140	< 50	< 50	< 50	< 50	<1000	< 50	< 50	< 100	< 50	<1000
MW-42	12/21/89	< 60	< 60	< 60	< 120	< 60	< 60	< 60	130	< 60	< 60	< 60	< 60	< 1200	< 60	< 60	< 120	< 60	<1200
MW-43	12/12/89	< 12	< 12	< 12	< 25	< 12	< 12	< 12	55	< 12	< 12	< 12	< 12	< 250	< 12	< 12	< 25	< 12	< 250
MW-43	12/21/89	< 10	< 10	< 10	< 20	< 10	< 10	< 10	46	< 10	< 10	< 10	< 10	< 200	< 10	< 10	< 20	< 10	< 200
MW-44	01/04/90	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 10	< 5	< 100
MW-44	01/16/90	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 10	< 5	< 100
MW-45	01/04/90	< 100	< 100	< 100	< 200	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 2000	< 100	< 100	< 200	< 100	<2000
MW-45	01/17/90	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 1000	< 50	< 50	< 100	< 50	<1000

NOTE : State standards, where they exist, are shown in parentheses.

OGC-003172

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

APPENDIX IX VOLATILE ORGANIC ANALYSES SUMMARY
Part 2 of 3

(all concentrations in micrograms per liter (ug/l))

SAMPLE ID	DATE SAMPLED	1,2-DIBROMO-METHANE (---)	DIBROMO-METHANE (---)	TRANS-1,4-DICHLORO-2-BUTENE (---)	DICHLORO-DI-FLOURO-METHANE (---)	1,1-DI-CHLORO-ETHANE (25)	1,2-DI-CHLORO-ETHANE (10)	TRANS-1,2-DICHLORO-ETHENE (---)	1,1-DI-CHLORO-ETHENE (5)	METHYLENE CHLORIDE (100)	1,2-DI-CHLORO PROPANE (---)	CIS-1,3-DI-CHLORO-PROPENE (---)	TRANS-1,3-DI-CHLORO-PROPENE (---)	1,4-DIOXANE (---)	ETHYL BENZENE (750)	ETHYL CYANIDE (---)	2-HEXANONE (100)	IODO-METHANE (---)	ISOBUTYL ALCOHOL (---)
MW-46	01/04/90	< 250	< 250	< 250	< 500	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 5000	< 250	< 250	< 500	< 250	<5000
MW-46	01/17/90	< 100	< 100	< 100	< 200	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 2000	< 100	< 100	< 200	< 100	<2000
MW-47	01/03/90	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 500	< 25	< 25	< 50	< 25	< 500
MW-47	01/16/90	< 12	< 12	< 12	< 25	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 250	< 12	< 12	< 25	< 12	< 250
MW-48	01/03/90	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	70	< 50	< 50	< 50	< 1000	< 50	< 50	< 100	< 50	<1000
MW-48	01/16/90	< 25	< 25	< 25	< 50	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 500	< 25	< 25	< 50	< 25	< 500
MW-49	01/25/90	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 10	< 5	< 100
MW-49	01/31/90	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 100	< 5	< 5	< 10	< 5	< 100

NOTE : State standards, where they exist, are shown in parentheses.

OGC-003173

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

APPENDIX 1X VOLATILE ORGANIC ANALYSES SUMMARY
Part 3 of 3

(all concentrations in micrograms per liter (ug/l))

SAMPLE ID	DATE SAMPLED	METH-ACRYLO-NITRILE (---)	METHYL ETHYL KETONE (---)	4-METHYL-2-PENTANONE (---)	STYRENE (---)	1,1,1,2-TETRA-CHLORO-ETHANE (---)	1,1,2,2-TETRA-CHLORO-ETHANE (10)	TETRA-CHLORO-ETHENE (20)	TOLUENE (750)	1,1,1-TRI-CHLORO-ETHANE (60)	1,1,2-TRI-CHLORO-ETHANE (10)	TRI-CHLORO-ETHENE (100)	TRI-CHLORO-FLUORO-METHANE (---)	1,2,3-TRI-CHLORO-PROPANE (---)	VINYL ACETATE (---)	VINYL CHLORIDE (1)	TOTAL XYLENES (620)
MW-13	02/14/89	< 15	< 75	< 30	< 15	< 15	< 15	< 15	< 15	250	< 15	610	< 15	< 15	< 30	< 30	< 15
MW-13	03/13/89	< 16	< 82	< 33	< 16	< 16	< 16	< 16	< 16	220	< 16	650	< 16	< 16	< 33	< 33	< 16
MW-14	02/15/89	< 50	< 250	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	1100	< 50	< 50	< 100	< 100	< 50
MW-14	03/14/89	< 85	< 420	< 170	< 85	< 85	< 85	< 85	< 85	150	< 85	3700	< 85	< 85	< 170	< 170	< 85
MW-15	02/16/89	< 8.5	< 42	< 17	< 8.5	< 8.5	< 8.5	< 8.5	< 8.5	80	< 8.5	210	< 8.5	< 8.5	< 17	< 17	< 8.5
MW-15	03/15/89	< 5.0	< 25	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	75	< 5.0	210	< 5.0	< 5.0	< 10	< 10	< 5.0
MW-29	02/22/89	< 5.0	< 25	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.7	< 5.0	< 5.0	< 10	< 10	< 5.0
MW-29	03/13/89	< 5.0	< 25	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.4	< 5.0	< 5.0	< 10	< 10	< 5.0
MW-30	02/14/89	< 10	< 50	< 20	< 10	< 10	< 10	< 10	< 10	11	< 10	320	< 10	< 10	< 20	< 20	< 10
MW-30	03/14/89	< 12	< 62	< 25	< 12	< 12	< 12	< 12	< 12	< 12	< 12	320	< 12	< 12	< 25	< 25	< 12
MW-31	02/13/89	< 5.0	< 25	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	120	< 5.0	< 5.0	< 10	< 10	< 5.0
MW-31	03/15/89	< 5.0	< 25	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	120	< 5.0	< 5.0	< 10	< 10	< 5.0
MW-32	02/16/89	< 500	< 2500	< 1000	< 500	< 500	< 500	< 500	< 500	< 500	< 500	4800	< 500	< 500	< 1000	< 1000	< 500
MW-32	03/16/89	< 5.0	< 25	< 10	< 5.0	< 5.0	< 5.0	20	33	300	< 5.0	3400	< 5.0	< 5.0	< 10	< 10	9.6
MW-33	02/14/89	< 250	<1200	< 500	< 250	< 250	< 250	< 250	< 250	2500	< 250	7500	< 250	< 250	< 500	< 500	< 250
MW-33	03/14/89	< 250	<1200	< 500	< 250	< 250	< 250	< 250	< 250	2500	< 250	7000	< 250	< 250	< 500	< 500	< 250
MW-34	08/16/89	< 5.0	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0
MW-34	08/28/89	< 5.0	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0
MW-35	08/15/89	< 5.0	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0
MW-35	08/28/89	< 5.0	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 10	< 5.0

NOTE : State standards, where they exist, are shown in parentheses.

OGC-003174

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

APPENDIX IX VOLATILE ORGANIC ANALYSES SUMMARY
Part 3 of 3

(all concentrations in micrograms per liter (ug/l))

SAMPLE ID	DATE SAMPLED	METH-ACRYLO-NITRILE (---)	METHYL ETHYL KETONE (---)	4-METHYL-2-PENTANONE (---)	STYRENE (---)	1,1,1,2-TETRA-CHLORO-ETHANE (---)	1,1,2,2-TETRA-CHLORO-ETHANE (10)	TETRA-CHLORO-ETHENE (20)	TOLUENE (750)	1,1,1-TRI-CHLORO-ETHANE (60)	1,1,2-TRI-CHLORO-ETHANE (10)	TRI-CHLORO-ETHENE (100)	TRI-CHLORO-FLUORO-METHANE (---)	1,2,3-TRI-CHLORO-PROPANE (---)	VINYL ACETATE (---)	VINYL CHLORIDE (1)	TOTAL XYLENES (620)
MW-36	08/15/89	< 5.0	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	7.9	< 5.0	< 5.0	< 10	< 10	< 5.0
MW-36	08/28/89	< 5.0	< 10	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	11	< 5.0	< 5.0	< 10	< 10	< 5.0
MW-37	08/15/89	< 50	< 100	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	1100	< 50	< 50	< 100	< 100	< 50
MW-37	08/28/89	< 50	< 100	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	1800	< 50	< 50	< 100	< 100	< 50
MW-38	11/06/89	< 5	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 5
MW-38	11/20/89	< 5	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5.7	< 5	< 10	< 10	< 5
MW-39	11/06/89	< 5	< 10	< 10	< 5	< 5	< 5	< 5	5.3	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 5
MW-39	11/20/89	< 5	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 5
MW-40	11/07/89	< 5	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5.4	< 5	< 10	< 10	< 5
MW-40	11/21/89	< 5	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 5
MW-41	11/07/89	< 50	< 100	< 100	< 50	< 50	< 50	< 50	< 50	310	< 50	1100	< 50	< 50	< 100	< 100	< 50
MW-41	11/20/89	< 50	< 100	< 100	< 50	< 50	< 50	< 50	< 50	290	< 50	960	< 50	< 50	< 100	< 100	< 50
MW-42	12/12/89	< 50	< 100	< 100	< 50	< 50	< 50	< 50	< 50	200	< 50	1100	< 50	< 50	< 100	< 100	< 50
MW-42	12/21/89	< 60	< 120	< 120	< 60	< 60	< 60	< 60	< 60	200	< 60	1200	< 60	< 60	< 120	< 120	< 60
MW-43	12/12/89	< 12	< 25	< 25	< 12	< 12	< 12	< 12	< 12	100	< 12	270	< 12	< 12	< 25	< 25	< 12
MW-43	12/21/89	< 10	< 20	< 20	< 10	< 10	< 10	< 10	< 10	86	< 10	160	< 10	< 10	< 20	< 20	< 10
MW-44	01/04/90	< 5	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 5
MW-44	01/16/90	< 5	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 5
MW-45	01/04/90	< 100	< 200	< 200	< 100	< 100	< 100	< 100	< 100	< 100	< 100	1400	< 100	< 100	< 200	< 200	< 100
MW-45	01/17/90	< 50	< 100	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	1400	< 50	< 50	< 100	< 100	< 50

NOTE : State standards, where they exist, are shown in parentheses.

OGC-003175

SPARTON TECHNOLOGY,INC.
COORS ROAD FACILITY
ALBUQUERQUE, NEW MEXICO

APPENDIX IX VOLATILE ORGANIC ANALYSES SUMMARY
Part 3 of 3

(all concentrations in micrograms per liter (ug/l))

SAMPLE ID	DATE SAMPLED	METH-ACRYLO-NITRILE (---)	METHYL ETHYL KETONE (---)	4-METHYL-2-PENTANONE (---)	STYRENE (---)	1,1,1,2-TETRA-CHLORO-ETHANE (---)	1,1,2,2-TETRA-CHLORO-ETHANE (10)	TETRA-CHLORO-ETHENE (20)	TOLUENE (750)	1,1,1-TRI-CHLORO-ETHANE (60)	1,1,2-TRI-CHLORO-ETHANE (10)	TRI-CHLORO-ETHENE (100)	TRI-CHLORO-FLUORO-METHANE (---)	1,2,3-TRI-CHLORO-PROPANE (---)	VINYL ACETATE (---)	VINYL CHLORIDE (1)	TOTAL XYLENES (620)
MW-46	01/04/90	< 250	< 500	< 500	< 250	< 250	< 250	< 250	< 250	< 250	< 250	4200	< 250	< 250	< 500	< 500	< 250
MW-46	01/17/90	< 100	< 200	< 200	< 100	< 100	< 100	< 100	< 100	100	< 100	2300	< 100	< 100	< 200	< 200	< 100
MW-47	01/03/90	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 25	< 25	< 25	310	< 25	< 25	< 50	< 50	< 25
MW-47	01/16/90	< 12	< 25	< 25	< 12	< 12	< 12	< 12	< 12	< 12	< 12	330	< 12	< 12	< 25	< 25	< 12
MW-48	01/03/90	< 50	< 100	< 100	< 50	< 50	< 50	< 50	< 50	< 50	< 50	820	< 50	< 50	< 100	< 100	< 50
MW-48	01/16/90	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 25	< 25	< 25	830	< 25	< 25	< 50	< 50	< 25
MW-49	01/25/90	< 5	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	12	< 5	< 10	< 10	< 5
MW-49	01/31/90	< 5	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	6.9	< 5	< 10	< 10	< 5

NOTE : State standards, where they exist, are shown in parentheses.

Attachment III

NMEID Quarterly Monitoring Analytical Results

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXAVALENT CHROMIUM	TRIVALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
							mg/l									
********** WELL NO. 06 (UPPER FLOW ZONE) ********* **WELL PLUGGED & ABANDONED IN 1989**																
1983	4	7.97	821	38	10	95	7.8	---	---	---	---	< 0.1	---	---	0.032	---
1984	4	7.50	866	---	16	120	6.1	0.45	0.1	< 0.01	< 0.01	---	0.25	< 0.01	0.34	0.005
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	7.89	871	---	---	---	1.7	0.31	---	---	---	---	---	---	---	---
1985	3	7.46	833	38	15	140	1.4	0.4	< 0.1	< 0.01	< 0.01	---	0.33	< 0.005	0.23	< 0.01
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	7.43	810	---	---	---	12	0.32	---	---	---	---	---	---	---	---
1986	2	7.34	821	---	---	---	1.9	1.4	---	---	---	---	---	---	---	---
1986	3	7.77	831	---	---	---	6.3	0.59	---	---	---	---	---	---	---	---
1986	4	7.72	846	28	14	142	4.4	0.421	< 0.1	< 0.01	< 0.01	---	0.3	< 0.005	---	< 0.01
1987	1	8.03	886	---	---	---	3.7	0.26	---	---	---	---	---	---	---	---
1987	2	7.61	879	---	---	---	1.2	0.18	---	---	---	---	---	---	---	---
1987	3	7.61	784	27	14	12	3.3	0.35	< 0.1	< 0.01	< 0.01	0.2	0.34	< 0.01	0.066	< 0.04
1987	4	7.55	832	---	---	---	0.4	0.3	---	---	---	---	---	---	---	---
1988	1	7.62	885	---	---	---	1.1	0.19	---	---	---	---	---	---	---	---
1988	2	7.61	880	---	---	---	1.5	0.15	---	---	---	---	---	---	---	---
1988	3	7.60	812	23	20	118	2.3	0.120	< 0.1	0.01	< 0.01	< 0.1	0.31	< 0.01	0.042	< 0.04
1988	4	7.80	775	---	---	---	1.6	0.100	---	---	---	---	---	---	---	---
1989	1	7.40	675	---	---	---	2.1	0.039	---	---	---	---	---	---	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003178

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

[---------- mg/l ----------]

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXAVALENT CHROMIUM	TRIVALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
********** WELL NO. 08 (UPPER FLOW ZONE) *********																
1983	4	8.05	579	18	1.7	65	15	---	---	---	---	< 0.1	---	---	0.098	---
1984	4	7.50	763	---	7.4	80	5.5	0.18	0.4	< 0.01	< 0.01	---	0.37	< 0.01	< 0.006	< 0.006
1985	1	7.96	735	---	---	---	2.1	0.088	---	---	---	---	---	---	---	---
1985	2	7.78	741	---	---	---	1.3	0.15	---	---	---	---	---	---	---	---
1985	3	7.42	715	33	5.5	69	1.8	0.38	< 0.1	< 0.01	< 0.01	---	0.31	< 0.005	< 0.005	< 0.01
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	7.40	708	---	---	---	16	0.098	---	---	---	---	---	---	---	---
1986	2	7.27	764	---	---	---	2	0.18	---	---	---	---	---	---	---	---
1986	3	7.68	754	---	---	---	14	0.37	---	---	---	---	---	---	---	---
1986	4	7.48	784	37	2.1	74	1.3	0.233	< 0.1	< 0.01	< 0.01	---	0.52	< 0.005	---	< 0.01
1987	1	8.22	754	---	---	---	2	0.069	---	---	---	---	---	---	---	---
1987	2	7.78	772	---	---	---	3.3	0.054	---	---	---	---	---	---	---	---
1987	3	7.61	705	37	3	53	3.2	0.15	0.2	< 0.01	< 0.01	0.1	0.38	< 0.01	0.22	< 0.04
1987	4	7.59	703	---	---	---	3	0.07	---	---	---	---	---	---	---	---
1988	1	7.82	782	---	---	---	3.7	0.042	---	---	---	---	---	---	---	---
1988	2	7.56	799	---	---	---	1.5	0.052	---	---	---	---	---	---	---	---
1988	3	7.60	737	23	1.7	71	2.5	0.070	0.1	< 0.01	0.01	< 0.1	0.57	0.01	0.18	< 0.04
1988	4	6.60	717	---	---	---	2.2	0.093	---	---	---	---	---	---	---	---
1989	1	7.50	771	---	---	---	3.4	4.080	---	---	---	---	---	---	---	---

WELL PLUGGED & ABANDONED IN 1989

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003179

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

mg/l

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXA-VALENT CHROMIUM	TRI-VALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
********** WELL NO. 09 (UPPER FLOW ZONE) *********																
1983	4	7.36	2320	400	< 0.1	340	29	---	---	---	---	< 0.1	---	---	3.4	---
1984	4	6.70	2350	---	< 0.1	372	14	21	1.7	< 0.01	< 0.01	---	13	< 0.01	1.9	0.19
1985	1	7.00	2040	---	---	---	6.1	15	---	---	---	---	---	---	---	---
1985	2	7.31	1770	---	---	---	7.2	9.1	---	---	---	---	---	---	---	---
1985	3	6.92	1590	210	< 0.1	300	4.6	6.9	0.9	< 0.01	< 0.01	---	7.9	< 0.005	1.1	0.11
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	6.96	1340	---	---	---	20	6.7	---	---	---	---	---	---	---	---
1986	2	7.02	1380	---	---	---	3	5	---	---	---	---	---	---	---	---
1986	3	7.46	1480	---	---	---	3.1	6.3	---	---	---	---	---	---	---	---
1986	4	7.71	1470	138	< 0.1	226	1.4	5.08	5.1	< 0.01	< 0.01	---	5.5	< 0.005	---	0.081
1987	1	8.03	1440	---	---	---	3	3.2	---	---	---	---	---	---	---	---
1987	2	7.66	1370	---	---	---	2.1	4.0	---	---	---	---	---	---	---	---
1987	3	7.87	1300	116	< 0.1	203	2	4.4	2.6	< 0.01	< 0.01	2.2	4	< 0.01	0.24	0.06
1987	4	7.39	1220	---	---	---	2.8	2.6	---	---	---	---	---	---	---	---
1988	1	8.29	1210	---	---	---	1.7	2.5	---	---	---	---	---	---	---	---
1988	2	7.26	1130	---	---	---	2.7	3.6	---	---	---	---	---	---	---	---
1988	3	7.30	1040	66	< 0.1	182	3.8	2.870	1.7	< 0.01	0.01	1.1	3.5	0.01	1.3	< 0.04
1988	4	7.60	1080	---	---	---	1.9	2.580	---	---	---	---	---	---	---	---
1989	1	7.10	1080	---	---	---	1.5	5.180	---	---	---	---	---	---	---	---
1989	2	7.50	981	---	---	---	0.7	2.110	---	---	---	---	---	---	---	---
1989	3	7.70	992	69	< 0.1	225	1.8	2.390	1.5	< 0.01	< 0.01	---	2.9	< 0.01	0.11	< 0.04
1989	4	7.5	962	---	---	---	3.2	1.99	---	---	---	---	---	---	---	---
1990	1	7.4	911	---	---	---	1.4	2.470	---	---	---	---	---	---	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003180

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

[---------- mg/l ----------]

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUC-TANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXA-VALENT CHROMIUM	TRI-VALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
********** WELL NO. 11 (LOWER FLOW ZONE) ********* **WELL PLUGGED & ABANDONED IN 1989**																
1983	4	7.89	741	30	< 0.1	97	18	---	---	---	---	< 0.1	---	---	0.76	---
1984	4	7.76	699	---	0.5	118	2.2	0.006	0.6	< 0.01	< 0.01	---	< 0.05	0.01	0.78	0.006
1985	1	8.01	733	---	---	---	1.7	0.032	---	---	---	---	---	---	---	---
1985	2	7.95	752	---	---	---	1.7	0.01	---	---	---	---	---	---	---	---
1985	3	7.57	697	29	< 0.1	130	1.7	0.01	< 0.1	< 0.01	< 0.01	---	0.12	< 0.005	0.98	< 0.01
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	7.53	717	---	---	---	4.2	0.014	---	---	---	---	---	---	---	---
1986	2	7.38	679	---	---	---	11	0.19	---	---	---	---	---	---	---	---
1986	3	7.87	683	---	---	---	2.4	0.058	---	---	---	---	---	---	---	---
1986	4	7.76	696	28	< 0.1	110	1.3	0.010	< 0.1	< 0.01	< 0.01	---	0.1	< 0.005	---	< 0.01
1987	1	8.18	692	---	---	---	8.5	0.011	---	---	---	---	---	---	---	---
1987	2	7.69	660	---	---	---	1.7	< 0.005	---	---	---	---	---	---	---	---
1987	3	7.65	639	22	< 0.1	77	3.2	0.038	0.3	< 0.01	< 0.01	0.1	0.14	< 0.01	0.98	< 0.04
1987	4	7.55	832	---	---	---	0.4	0.3	---	---	---	---	---	---	---	---
1988	1	7.84	666	---	---	---	1.1	0.012	---	---	---	---	---	---	---	---
1988	2	7.69	611	---	---	---	1.9	0.021	---	---	---	---	---	---	---	---
1988	3	7.60	580	18	< 0.1	85	2.0	0.010	0.4	< 0.01	< 0.01	< 0.1	0.12	< 0.01	0.75	< 0.04
1988	4	7.90	597	---	---	---	2.0	< 0.02	---	---	---	---	---	---	---	---
1989	1	7.40	605	---	---	---	1.7	< 0.005	---	---	---	---	---	---	---	---

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2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003181

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

mg/l

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXAVALENT CHROMIUM	TRIVALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
********** WELL NO. 14 (UPPER FLOW ZONE) *********																
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	7.61	1290	---	1	192	5.9	3.7	1	0.6	---	---	2	0.58	0.76	0.04
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	7.76	1200	34	3.1	175	3.8	2.3	< 0.1	1.1	< 0.01	---	1.8	1.1	---	0.03
1987	1	7.89	1190	---	---	---	2.6	3.5	---	---	---	---	---	---	---	---
1987	2	7.43	995	---	---	---	1.7	0.53	---	---	---	---	---	---	---	---
1987	3	7.58	877	64	2.7	132	2.7	1	0.1	0.41	0.54	< 0.1	0.82	0.95	0.017	< 0.04
1987	4	7.52	991	---	---	---	0.8	1.7	---	---	---	---	---	---	---	---
1988	1	12.17	5000	---	---	---	3.1	2.6	---	---	---	---	---	---	---	---
1988	2	7.40	3030	---	---	---	3.2	3.8	---	---	---	---	---	---	---	---
1988	3	11.90	3410	97	10	66	3.5	3.500	< 0.1	0.70	< 0.01	< 0.1	0.30	0.55	0.014	< 0.04
1988	4	12.40	2950	---	---	---	2.5	1.870	---	---	---	---	---	---	---	---
1989	1	11.70	3700	---	---	---	2.5	2.420	---	---	---	---	---	---	---	---
1989	2	10.50	934	---	---	---	1.6	1.800	---	---	---	---	---	---	---	---
1989	3	11.00	1010	92	23	172	2.4	2.170	< 0.5	1.0	< 0.01	---	1.2	0.96	< 0.01	< 0.04
1989	4	11.5	1400	---	---	---	2.0	1.270	---	---	---	---	---	---	---	---
1990	1	11.4	1080	---	---	---	1.7	1.830	---	---	---	---	---	---	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003182

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXAVALENT CHROMIUM	TRIVALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
							mg/l									
********** WELL NO. 15 (UPPER FLOW ZONE) *********																
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	7.68	885	---	4.4	146	2.7	1.1	0.5	< 0.01	---	---	0.16	< 0.005	0.06	< 0.01
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	7.99	853	53	5.6	126	1.3	1.1	< 0.1	< 0.01	< 0.01	---	0.13	< 0.005	---	< 0.01
1987	1	8.32	801	---	---	---	1.3	0.42	---	---	---	---	---	---	---	---
1987	2	7.60	764	---	---	---	1.1	0.43	---	---	---	---	---	---	---	---
1987	3	8.01	812	41	4.7	135	2.4	0.49	< 0.1	< 0.01	< 0.01	< 0.1	0.14	< 0.01	< 0.005	< 0.04
1987	4	7.65	790	---	---	---	0.9	0.45	---	---	---	---	---	---	---	---
1988	1	8.20	819	---	---	---	1.1	0.29	---	---	---	---	---	---	---	---
1988	2	7.78	871	---	---	---	27	0.28	---	---	---	---	---	---	---	---
1988	3	7.70	827	63	6.2	122	2.5	0.290	< 0.1	< 0.01	< 0.01	< 0.1	0.12	< 0.01	0.034	< 0.04
1988	4	8.30	808	---	---	---	1.6	0.170	---	---	---	---	---	---	---	---
1989	1	7.70	874	---	---	---	1.2	0.925	---	---	---	---	---	---	---	---
1989	2	7.60	656	---	---	---	0.5	0.220	---	---	---	---	---	---	---	---
1989	3	7.70	652	32	4.7	114	1.2	0.270	< 0.5	< 0.01	< 0.01	---	0.15	< 0.01	< 0.01	< 0.04
1989	4	7.90	710	---	---	---	1.0	0.180	---	---	---	---	---	---	---	---
1990	1	7.8	624	---	---	---	0.9	0.170	---	---	---	---	---	---	---	---

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OGC-003183

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

[---------- mg/l ----------]

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXAVALENT CHROMIUM	TRIVALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
********** WELL NO. 16 (UPPER FLOW ZONE) *********																
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	7.17	5300	---	< 0.1	2180	54	15	310	< 0.01	---	---	14	0.75	17	0.4
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	7.30	2930	---	---	---	140	23.3	---	---	---	---	---	---	---	---
1986	4	7.02	4920	364	1.4	1610	25	29.3	390	< 0.02	< 0.02	---	18	0.017	---	0.35
1987	1	7.61	4530	---	---	---	0.019	31	---	---	---	---	---	---	---	---
1987	2	7.15	4040	---	---	---	14	27	---	---	---	---	---	---	---	---
1987	3	7.24	3330	231	3.5	1370	14	27	250	< 0.01	< 0.01	230	12	< 0.01	4.1	0.25
1987	4	7.27	3700	---	---	---	17	25	---	---	---	---	---	---	---	---
1988	1	7.52	3800	---	---	---	10	15	---	---	---	---	---	---	---	---
1988	2	7.70	611	---	---	---	13	27	---	---	---	---	---	---	---	---
1988	3	7.30	2510	239	6.6	500	19	29.8	107	< 0.01	0.04	90	9.1	0.04	1.6	0.23
1988	4	7.50	2340	---	---	---	6.4	18.200	---	---	---	---	---	---	---	---
1989	1	7.20	1740	---	---	---	4.4	7.960	---	---	---	---	---	---	---	---
1989	2	7.40	1370	---	---	---	8.1	15.300	---	---	---	---	---	---	---	---
1989	3	7.70	1420	85	1.2	193	4.2	20.500	86	0.03	0.02	---	3.0	0.05	0.46	0.06
1989	4	7.4	1700	---	---	---	5.8	16.7	---	---	---	---	---	---	---	---
1990	1	7.4	1430	---	---	---	3.8	16.200	---	---	---	---	---	---	---	---

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3) --- = NOT TESTED.

OGC-003184

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXAVALENT CHROMIUM	TRIVALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
							[---------- mg/l ----------]									
********** WELL NO. 18 (UPPER FLOW ZONE) *********																
WELL CONVERTED TO RECOVERY WELL IN 1989																
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	7.54	760	---	---	---	6.2	4.9	---	---	---	---	---	---	---	---
1986	4	7.25	782	31	2.7	129	0.5	6.02	< 0.1	< 0.01	< 0.01	---	0.13	< 0.005	---	< 0.01
1987	1	8.24	793	---	---	---	2.4	4.4	---	---	---	---	---	---	---	---
1987	2	7.36	798	---	---	---	1.1	1.8	---	---	---	---	---	---	---	---
1987	3	7.37	797	33	2.6	108	50	1.9	0.4	< 0.01	0.01	< 0.1	0.15	< 0.01	< 0.005	< 0.04
1987	4	7.50	740	---	---	---	2.1	3.2	---	---	---	---	---	---	---	---
1988	1	7.55	739	---	---	---	0.8	2.4	---	---	---	---	---	---	---	---
1988	2	12.03	7440	---	---	---	2.7	3.6	---	---	---	---	---	---	---	---
1988	3	7.50	774	31	3.1	122	3.4	3.780	< 0.1	< 0.01	< 0.01	< 0.1	0.12	< 0.01	0.009	< 0.04
1988	4	7.60	637	---	---	---	1.6	2.780	---	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1989	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
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3) --- = NOT TESTED.

OGC-003185

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXA-VALENT CHROMIUM	TRI-VALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
							mg/l									
********** WELL NO. 19 (LOWER FLOW ZONE) *********																
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	7.20	934	58	2.2	145	1.1	3.4	< 0.1	< 0.01	0.043	---	0.3	0.043	---	0.01
1987	1	8.18	915	---	---	---	1.7	2.6	---	---	---	---	---	---	---	---
1987	2	7.40	884	---	---	---	1.2	1.1	---	---	---	---	---	---	---	---
1987	3	7.45	842	54	0.9	110	1.9	2.7	0.2	0.02	0.01	< 0.1	0.33	0.03	0.11	< 0.04
1987	4	7.48	870	---	---	---	2	2.7	---	---	---	---	---	---	---	---
1988	1	7.56	946	---	---	---	1	1.6	---	---	---	---	---	---	---	---
1988	2	7.71	902	---	---	---	1.7	2.7	---	---	---	---	---	---	---	---
1988	3	7.50	869	65	1.1	131	3.4	3.830	0.4	0.02	< 0.01	< 0.1	0.33	0.02	0.11	< 0.04
1988	4	7.60	753	---	---	---	1.3	1.920	---	---	---	---	---	---	---	---
1989	1	7.10	856	---	---	---	1.2	1.920	---	---	---	---	---	---	---	---
1989	2	7.70	732	---	---	---	1.1	2.070	---	---	---	---	---	---	---	---
1989	3	7.70	745	44	2.0	130	1.4	2.890	< 5.0	< 0.01	0.02	---	0.05	0.02	0.04	< 0.04
1989	4	7.5	689	---	---	---	1.5	1.64	---	---	---	---	---	---	---	---
1990	1	7.5	644	---	---	---	0.9	1.140	---	---	---	---	---	---	---	---

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3) --- = NOT TESTED.

OGC-003186

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

mg/l

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXA-VALENT CHROMIUM	TRI-VALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
********** WELL NO. 20 (LOWER FLOW ZONE) *********																
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	7.48	804	30	0.3	144	1.3	0.19	< 0.1	< 0.01	< 0.01	---	0.15	< 0.005	---	< 0.01
1987	1	8.33	789	---	---	---	2.7	0.02	---	---	---	---	---	---	---	---
1987	2	7.63	770	---	---	---	1.5	0.43	---	---	---	---	---	---	---	---
1987	3	7.76	687	27	0.5	11	1.8	0.04	0.1	< 0.01	< 0.01	< 0.1	0.16	< 0.01	0.35	< 0.04
1987	4	7.74	720	---	---	---	1.9	< 0.005	---	---	---	---	---	---	---	---
1988	1	7.77	784	---	---	---	1.1	0.02	---	---	---	---	---	---	---	---
1988	2	7.76	753	---	---	---	1.5	0.023	---	---	---	---	---	---	---	---
1988	3	7.70	704	24	0.4	116	2.6	0.026	< 0.1	< 0.01	< 0.01	< 0.1	0.13	< 0.01	0.31	< 0.04
1988	4	7.80	721	---	---	---	1.6	< 0.02	---	---	---	---	---	---	---	---
1989	1	7.40	695	---	---	---	1.5	0.027	---	---	---	---	---	---	---	---
1989	2	7.60	638	---	---	---	0.9	0.015	---	---	---	---	---	---	---	---
1989	3	7.90	717	23	1.0	110	1.7	0.043	< 0.5	< 0.01	< 0.01	---	0.05	< 0.01	< 0.01	< 0.04
1989	4	8.1	654	---	---	---	1.5	< 0.030	---	---	---	---	---	---	---	---
1990	1	8.1	637	---	---	---	1.6	< 0.030	---	---	---	---	---	---	---	---

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OGC-003187

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXAVALENT CHROMIUM	TRIVALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
							mg/l									
********** WELL NO. 21 (UPPER FLOW ZONE) *********																
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	7.26	796	30	2.2	141	1	3.5	< 0.1	< 0.01	< 0.01	---	0.12	0.006	---	< 0.01
1987	1	8.05	753	---	---	---	1.1	1.8	---	---	---	---	---	---	---	---
1987	2	7.56	744	---	---	---	0.9	1.4	---	---	---	---	---	---	---	---
1987	3	7.80	746	19	2.8	106	3.2	1.9	< 0.1	< 0.01	< 0.01	0.1	0.14	< 0.01	0.15	< 0.04
1987	4	7.61	753	---	---	---	0.2	1.9	---	---	---	---	---	---	---	---
1988	1	7.67	729	---	---	---	0.9	1.4	---	---	---	---	---	---	---	---
1988	2	7.65	749	---	---	---	0.7	1.3	---	---	---	---	---	---	---	---
1988	3	7.60	666	22	2.6	110	2.1	0.910	< 0.1	< 0.01	< 0.01	< 0.1	0.12	< 0.01	0.14	< 0.04
1988	4	7.80	682	---	---	---	1.1	1.300	---	---	---	---	---	---	---	---
1989	1	7.50	670	---	---	---	0.7	0.202	---	---	---	---	---	---	---	---
1989	2	7.60	585	---	---	---	0.9	0.680	---	---	---	---	---	---	---	---
1989	3	7.90	587	23	2.7	104	1.4	0.150	< 0.5	< 0.01	0.01	---	0.14	0.01	0.19	< 0.04
1989	4	7.7	665	---	---	---	1.3	1.58	---	---	---	---	---	---	---	---
1990	1	7.8	581	---	---	---	0.7	1.450	---	---	---	---	---	---	---	---

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3) --- = NOT TESTED.

OGC-003188

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

mg/l

YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXA-VALENT CHROMIUM	TRI-VALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
********** WELL NO. 22 (UPPER FLOW ZONE) *********																
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	7.79	741	30	2.1	114	1.6	0.773	0.1	< 0.01	< 0.01	---	0.17	< 0.005	---	0.01
1987	1	8.26	743	---	---	---	2.6	0.68	---	---	---	---	---	---	---	---
1987	2	7.71	736	---	---	---	1	0.44	---	---	---	---	---	---	---	---
1987	3	7.69	678	31	2.4	89	3	0.22	0.2	< 0.01	< 0.01	< 0.1	0.16	< 0.01	0.2	< 0.04
1987	4	7.75	718	---	---	---	1.2	0.37	---	---	---	---	---	---	---	---
1988	1	7.83	783	---	---	---	0.9	0.43	---	---	---	---	---	---	---	---
1988	2	7.65	750	---	---	---	1.3	0.36	---	---	---	---	---	---	---	---
1988	3	7.70	702	30	2.9	96	1.7	0.310	0.3	< 0.01	0.04	< 0.1	0.33	0.04	1.9	0.08
1988	4	7.90	673	---	---	---	1.8	0.250	---	---	---	---	---	---	---	---
1989	1	7.50	653	---	---	---	1.1	0.323	---	---	---	---	---	---	---	---
1989	2	7.70	604	---	---	---	1.3	0.230	---	---	---	---	---	---	---	---
1989	3	7.90	615	25	4.0	92	1.4	0.034	< 0.5	< 0.01	0.01	---	0.17	0.01	0.03	< 0.04
1989	4	7.8	650	---	---	---	1.5	0.265	---	---	---	---	---	---	---	---
1990	1	7.7	601	---	---	---	1.4	0.360	---	---	---	---	---	---	---	---

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OGC-003189

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 1 of 3

													mg/l				
YEAR	QUARTER NO.	pH units (6-9)	SPECIFIC CONDUCTANCE umhos/cm	CHLORIDE (250)	NITRATE + NITRITE AS N (10.0)	SULFATE (600)	TOTAL ORGANIC CARBON	TOTAL ORGANIC HALOGEN as Cl	TOTAL KJELDAHL NITROGEN as N	HEXAVALENT CHROMIUM	TRIVALENT CHROMIUM	AMMONIA NITROGEN as N	BORON	TOTAL CHROMIUM (0.05)	MANGANESE (0.2)	NICKEL
********** WELL NO. 23 (UPPER FLOW ZONE) *********											**WELL CONVERTED TO RECOVERY WELL IN 1989**						
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1986	4	6.96	1030	56	2.8	132	1.3	9.3	0.2	0.07	< 0.01	---	0.65	0.072	---	0.03	
1987	1	7.92	994	---	---	---	11	3.6	---	---	---	---	---	---	---	---	
1987	2	7.45	860	---	---	---	1	4.2	---	---	---	---	---	---	---	---	
1987	3	7.53	792	40	2.8	98	2.1	0.74	0.4	< 0.01	< 0.01	0.2	0.58	0.02	0.015	< 0.04	
1987	4	7.42	1440	---	---	---	4.9	12	---	---	---	---	---	---	---	---	
1988	1	7.39	1480	---	---	---	2.0	9.8	---	---	---	---	---	---	---	---	
1988	2	7.37	1220	---	---	---	2.7	4.03	---	---	---	---	---	---	---	---	
1988	3	7.60	1080	110	2.6	115	6.7	8.420	0.5	0.06	0.55	< 0.1	1.5	0.61	0.097	0.23	
1988	4	7.40	1110	---	---	---	3.0	7.040	---	---	---	---	---	---	---	---	
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
1989	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

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OGC-003190

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 06 (UPPER FLOW ZONE) ********** **WELL PLUGGED & ABANDONED IN 1989**																			
1983	4	< 1000	< 1000	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 50
1984	4	< 100	< 100	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	28	< 5	< 5
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	< 5	---	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	---	< 5	< 5	27	< 5	< 5
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	35	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	46	---	---
1986	4	< 300	< 300	< 15	---	< 15	< 15	< 15	< 15	< 30	< 15	< 15	< 15	---	< 15	< 15	33	< 15	< 15
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	27	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28	---	---
1987	3	---	---	< 25	---	< 25	< 25	< 25	< 25	< 50	< 50	< 25	< 25	---	< 25	< 25	40	< 25	< 25
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	40	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11	---	---
1988	3	---	---	< 7	---	< 7	< 7	< 7	< 7	< 14	< 14	< 7	< 7	---	< 7	< 7	7.9	< 7	< 7
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	5.1	---	---

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OGC-003191

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 08 (UPPER FLOW ZONE) **********		**WELL PLUGGED & ABANDONED IN 1989**																	
1983	4	< 100	< 100	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
1984	4	< 100	< 100	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	22000	< 5	< 5
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	< 5	---	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	---	< 5	< 5	13	< 5	< 5
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	8.4	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	---	---
1986	4	< 100	< 100	< 5	---	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	---	< 5	< 5	9	< 5	< 5
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4.2	---	---
1987	3	---	---	< 17	---	< 17	< 17	< 17	< 17	< 33	< 33	< 17	< 17	---	< 17	< 17	< 17	< 17	< 17
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 7	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1988	3	---	---	< 5	---	< 5	< 5	< 5	< 5	< 10	< 10	< 5	< 5	---	< 5	< 5	11	< 5	< 5
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.7	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---

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OGC-003192

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 09 (UPPER FLOW ZONE) **********																			
1983	4	< 100	< 100	20	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10	130	< 5	2500	< 5	< 5
1984	4	< 100	< 100	16	< 5	< 5	< 5	< 5	< 5	< 10	< 5	57	< 5	< 10	120	< 5	1200	< 5	< 5
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	7	---	< 5	< 5	< 5	< 5	< 5	< 10	28	< 5	---	35	< 5	1300	< 5	< 5
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1300	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1200	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	740	---	---
1986	4	< 3600	< 3600	< 180	---	< 180	< 180	< 180	< 180	< 360	< 180	< 180	< 180	---	< 180	< 180	400	< 180	< 180
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	310	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	260	---	---
1987	3	---	---	< 250	---	< 250	< 250	< 250	< 250	< 500	< 500	< 250	< 250	---	< 250	< 250	600	< 250	< 250
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	590	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	490	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	350	---	---
1988	3	---	---	< 180	---	< 180	< 180	< 180	< 180	< 350	< 350	< 180	< 180	---	< 180	< 180	660	< 180	< 180
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	410	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	340	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	320	---	---
1989	3	< 2500	< 2500	< 120	---	< 120	< 120	< 120	< 120	< 250	---	< 120	< 120	< 250	< 120	< 120	220	< 120	< 120
1989	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	180	---	---

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OGC-003193

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
**********	WELL NO. 11 (LOWER FLOW ZONE) **********	**WELL PLUGGED & ABANDONED IN 1989**																	
1983	4	< 1000	< 1000	< 50	< 50	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 50
1984	4	< 100	< 100	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	< 5	---	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1	---	---
1986	4	< 100	< 100	< 5	---	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 0.5	---	---
1987	3	---	---	< 5	---	< 5	< 5	< 5	< 5	< 10	< 10	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 16	---	---
1988	3	---	---	< 5	---	< 5	< 5	< 5	< 5	< 10	< 10	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---

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OGC-003194

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 14 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	< 100	< 100	9	< 5	< 5	< 5	< 5	< 5	< 10	< 5	34	< 5	< 10	17	< 5	1000	< 5	< 5
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 100	< 100	< 5	---	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	---	< 5	< 5	310	< 5	5
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	230	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	65	---	---
1987	3	---	---	< 120	---	< 50	< 50	< 50	< 120	< 250	< 250	< 120	< 120	---	< 120	< 120	< 120	< 120	< 120
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	130	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 250	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 500	---	---
1988	3	---	---	< 250	---	< 250	< 250	< 250	< 250	< 500	< 500	< 250	< 250	---	< 250	< 250	< 250	< 250	< 250
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 250	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	120	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	190	---	---
1989	3	< 2500	< 2500	< 120	---	< 120	< 120	< 120	< 120	< 250	---	< 120	< 120	< 250	< 120	< 120	160	< 120	< 120
1989	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	94	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 120	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003195

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 15 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	< 100	< 100	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 10	< 5	< 5	85	< 5	< 5
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 600	< 600	< 30	---	< 30	< 30	< 30	< 30	< 60	< 30	< 30	< 30	---	< 30	< 30	46	< 30	< 30
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 100	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21	---	---
1987	3	---	---	< 25	---	< 25	< 25	< 25	< 25	< 50	< 50	< 25	< 25	---	< 25	< 25	30	< 25	< 25
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	28	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 10	---	---
1988	3	---	---	< 15	---	< 15	< 15	< 15	< 15	< 30	< 30	< 15	< 15	---	< 15	< 15	< 15	< 15	< 15
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 10	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	6.9	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 10	---	---
1989	3	< 200	< 200	< 10	---	< 10	< 10	< 10	< 10	< 20	---	< 10	< 10	< 20	< 10	< 10	11	< 10	< 10
1989	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 50	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
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3) --- = NOT TESTED.

OGC-003196

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 16 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	< 100	< 100	58	< 5	< 5	< 5	16	< 5	45	< 5	25	< 5	< 10	3200	< 5	3100	< 5	< 5
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2200	---	---
1986	4	< 25000	< 25000	< 1300	---	< 1300	< 1300	< 1300	< 1300	< 2500	< 1300	< 1300	< 1300	---	< 1300	< 1300	3500	< 1300	< 1300
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2200	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1900	---	---
1987	3	---	---	< 1200	---	< 1200	< 1200	< 1200	< 1200	< 2500	< 2500	< 1200	< 1200	---	< 1200	< 1200	2200	< 1200	< 1200
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1600	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1400	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1400	---	---
1988	3	---	---	< 1600	---	< 1600	< 1600	< 1600	< 1600	< 3100	< 3100	< 1600	< 1600	---	< 1600	< 1600	1900	< 1600	< 1600
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1600	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1200	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1000	---	---
1989	3	< 5000	< 5000	< 250	---	< 250	< 250	< 250	< 250	< 500	---	< 250	< 250	< 500	< 250	< 250	960	< 250	< 250
1989	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1200	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1000	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003197

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 18 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	650	---	---
1986	4	< 4000	< 4000	< 200	---	< 200	< 200	< 200	< 200	< 400	< 200	< 200	< 200	---	< 200	< 200	390	< 200	< 200
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	400	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	290	---	---
1987	3	---	---	< 250	---	< 250	< 250	< 250	< 250	< 500	< 500	< 250	< 250	---	< 250	< 250	480	< 250	< 250
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	340	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	320	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 500	---	---
1988	3	---	---	< 250	---	< 250	< 250	< 250	< 250	< 500	< 500	< 250	< 250	---	< 250	< 250	770	< 250	< 250
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	360	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1989	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

WELL CONVERTED TO RECOVERY WELL IN 1989

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003198

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 19 (LOWER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 4000	< 4000	< 200	---	< 200	< 200	< 200	< 200	< 400	< 200	< 200	< 200	---	< 200	< 200	320	< 200	< 200
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	190	---	---
1987	3	---	---	< 250	---	< 250	< 250	< 250	< 250	< 500	< 500	< 250	< 250	---	< 250	< 250	360	< 250	< 250
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	330	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	260	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1988	3	---	---	< 180	---	< 180	< 180	< 180	< 180	< 350	< 350	< 180	< 180	---	< 180	< 180	790	< 180	< 180
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	310	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	370	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	410	---	---
1989	3	< 2500	< 2500	< 120	---	< 120	< 120	< 120	< 120	< 250	---	< 120	< 120	< 250	< 120	< 120	300	< 120	< 120
1989	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	150	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	89	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
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3) --- = NOT TESTED.

OGC-003199

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 20 (LOWER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 100	< 100	< 5	---	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 1	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1.8	---	---
1987	3	---	---	< 5	---	< 5	< 5	< 5	< 5	< 10	< 10	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1988	3	---	---	< 5	---	< 5	< 5	< 5	< 5	< 10	< 10	< 5	< 5	---	< 5	< 5	< 5	< 5	< 5
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1989	3	< 100	< 100	< 5	---	< 5	< 5	< 5	< 5	< 10	---	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5
1989	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 5	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
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SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 21 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 4000	< 4000	< 200	---	< 200	< 200	< 200	< 200	< 400	< 200	< 200	< 200	---	< 200	< 200	300	< 200	< 200
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	130	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	84	---	---
1987	3	---	---	< 100	---	< 100	< 100	< 100	< 100	< 200	< 200	< 100	< 100	---	< 100	< 100	250	< 100	< 100
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	200	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	150	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	88	---	---
1988	3	---	---	< 5	---	< 5	< 5	< 5	< 5	< 10	< 10	< 5	< 5	---	< 5	< 5	100	< 5	< 5
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	140	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	71	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 50	---	---
1989	3	< 500	< 500	< 25	---	< 25	< 25	< 25	< 25	< 50	---	< 25	< 25	< 50	< 25	< 25	37	< 25	< 25
1989	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	< 120	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	88	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003201

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 22 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 800	< 800	< 40	---	< 40	< 40	< 40	< 40	< 80	< 40	< 40	< 40	---	< 40	< 40	200	< 40	< 40
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	110	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	100	---	---
1987	3	---	---	< 25	---	< 25	< 25	< 25	< 25	< 50	< 50	< 25	< 25	---	< 25	< 25	78	< 25	< 25
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	120	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	98	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	67	---	---
1988	3	---	---	< 5	---	< 5	< 5	< 5	< 5	< 10	< 10	< 5	< 5	---	< 5	< 5	110	< 5	< 5
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	62	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	50	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	42	---	---
1989	3	< 200	< 200	< 10	---	< 10	< 10	< 10	< 10	< 20	---	< 10	< 10	< 20	< 10	< 10	38	< 10	< 10
1989	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	49	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	45	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003202

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 2 of 3

ug/l

YEAR	QUARTER NO.	Acrolein	Acrylo-nitrile	Benzene	Bis-(chloro-methyl) ether	Bromo-form	Carbon tetra-chloride (10)	Chloro-benzene	Chloro-dibromo methane	Chloro-ethane	2-Chloro-ethyl-vinyl-ether	Chloro-form (100)	Dichloro-bromo-methane	Di-chloro-difluoro-methane	1,1-Di-chloro-ethane (25)	1,2-Di-chloro-ethane (10)	1,1-Di-chloro-ethylene (5)	1,2-Di-chloro propane	1,3-Di-chloro-propylene
********** WELL NO. 23 (UPPER FLOW ZONE) **********		**WELL CONVERTED TO RECOVERY WELL IN 1989**																	
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 8000	< 8000	< 400	---	< 400	< 400	< 400	< 400	< 800	< 400	< 400	< 400	---	< 400	< 400	1200	< 400	< 400
1987	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1000	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	620	---	---
1987	3	---	---	< 170	---	< 170	< 170	< 170	< 170	< 340	< 340	< 170	< 170	---	< 170	< 170	610	< 170	< 170
1987	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1400	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1800	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1600	---	---
1988	3	---	---	< 350	---	< 350	< 350	< 350	< 350	< 700	< 700	< 350	< 350	---	< 350	< 350	2400	< 350	< 350
1988	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	900	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1989	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT DETECTED, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED.

OGC-003203

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
															[---------- Non-Priority Polluntants -----]				
**********	WELL NO. 06 (UPPER FLOW ZONE) **********																		
												WELL PLUGGED & ABANDONED IN 1989							
1983	4	< 50	< 100	< 100	< 100	< 50	< 50	< 50	< 50	< 50	< 50	560	< 100	< 100	< 10	< 5	< 10	< 5	< 10
1984	4	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	81	< 5	310	< 10	< 10	< 10	61	< 10	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	62	< 5	300	---	< 10	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	310	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	110	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	420	---	---	---	---	---	---	---
1986	4	< 15	< 30	< 30	< 30	< 15	< 15	< 15	< 15	140	< 15	390	---	< 30	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	300	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	320	---	---	---	---	---	---	---
1987	3	< 25	< 50	< 50	< 120	< 25	< 25	< 25	< 25	130	< 25	540	---	< 50	< 120	---	< 50	< 25	< 120
1987	4	---	---	---	---	---	---	---	---	---	---	360	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	280	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	170	---	---	---	---	---	---	---
1988	3	< 7	< 14	< 14	< 35	< 7	< 7	< 7	< 7	21	< 7	52	---	< 14	< 35	---	< 14	< 7	< 35
1988	4	---	---	---	---	---	---	---	---	---	---	99	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	55	---	---	---	---	---	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
2) IF A COMPOUND WAS NOT FOUND, THE METHOD DETECTION LIMIT IS SHOWN, PRECEEDED BY A "<" (less than sign).
3) --- = NOT TESTED

OGC-003204

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
**********	WELL NO. 08 (UPPER FLOW ZONE) **********																		
												WELL PLUGGED & ABANDONED IN 1989							
1983	4	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	7	< 5	42	< 10	< 10	< 10	< 5	< 10	< 5	< 10
1984	4	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	82	< 5	250	< 10	< 10	< 10	< 5	< 10	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	39	< 5	190	---	< 10	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	100	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	160	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	150	---	---	---	---	---	---	---
1986	4	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	39	< 5	190	---	< 10	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	84	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	69	---	---	---	---	---	---	---
1987	3	< 17	< 33	< 33	< 83	< 17	< 17	< 17	< 17	33	< 17	300	---	< 33	< 83	---	< 33	< 17	< 83
1987	4	---	---	---	---	---	---	---	---	---	---	150	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	45	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	93	---	---	---	---	---	---	---
1988	3	< 5	< 10	< 10	< 25	< 5	< 5	< 5	< 5	6.8	< 5	66	---	< 10	< 25	---	< 10	< 5	< 25
1988	4	---	---	---	---	---	---	---	---	---	---	190	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	82	---	---	---	---	---	---	---

Non-Priority Pollutants

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
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3) --- = NOT TESTED

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
															Non-Priority Pollutants				
**********	WELL NO. 09 (UPPER FLOW ZONE) **********																		
1983	4	13	< 10	< 10	9100	< 5	54	1200	< 5	15000	< 5	21000	< 10	< 10	2300	< 5	170	< 5	< 10
1984	4	13	< 10	< 10	5200	< 5	60	290	11	6900	110	9600	< 10	< 10	33	200	< 10	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	< 5	< 10	< 10	1200	< 5	28	23	< 5	6300	49	7300	---	< 10	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	6100	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	8300	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	5000	---	---	---	---	---	---	---
1986	4	< 180	< 360	< 360	< 360	< 180	< 180	< 180	< 180	2700	< 180	5000	---	< 360	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	4500	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	3600	---	---	---	---	---	---	---
1987	3	< 250	< 500	< 500	< 1200	< 250	< 250	< 250	< 250	3300	< 250	6400	---	< 500	< 1200	---	< 500	< 250	< 1200
1987	4	---	---	---	---	---	---	---	---	---	---	7100	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	5500	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	4800	---	---	---	---	---	---	---
1988	3	< 180	< 350	< 350	< 880	< 180	< 180	< 180	< 180	1800	< 180	3300	---	< 350	< 880	---	< 350	< 180	< 880
1988	4	---	---	---	---	---	---	---	---	---	---	4200	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	4000	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	4400	---	---	---	---	---	---	---
1989	3	< 120	< 250	< 250	< 120	< 120	< 120	< 120	< 120	910	< 120	2500	< 120	< 250	< 250	---	< 250	< 120	< 250
1989	4	---	---	---	---	---	---	---	---	---	---	2300	---	---	---	---	---	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	2800	---	---	---	---	---	---	---

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3) --- = NOT TESTED

OGC-003206

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Non-Priority Pollutants: Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
********** WELL NO. 11 (LOWER FLOW ZONE) **********																			
1983	4	< 50	< 100	< 100	420	< 50	< 50	91	< 50	130	< 50	840	< 100	< 100	< 10	< 5	< 10	< 5	< 10
1984	4	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 10	< 10	< 10	< 5	< 10	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	7	---	< 10	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	9.9	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	6.9	---	---	---	---	---	---	---
1986	4	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 10	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	1.2	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	< 1	---	---	---	---	---	---	---
1987	3	< 5	< 10	< 10	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 10	< 25	---	< 10	< 5	< 25
1987	4	---	---	---	---	---	---	---	---	---	---	< 5	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	< 5	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	< 16	---	---	---	---	---	---	---
1988	3	< 5	< 10	< 10	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	---	< 10	< 25	---	< 10	< 5	< 25
1988	4	---	---	---	---	---	---	---	---	---	---	< 5	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	< 5	---	---	---	---	---	---	---

WELL PLUGGED & ABANDONED IN 1989

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
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3) --- = NOT TESTED

OGC-003207

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Non-Priority Pollutants: Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
********** WELL NO. 14 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	< 5	< 10	< 10	3600	< 5	25	6	< 5	4100	< 5	12000	< 10	< 10	< 10	9	< 10	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	630	< 5	4900	---	< 10	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	5000	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	1800	---	---	---	---	---	---	---
1987	3	< 120	< 250	< 250	< 620	< 120	< 120	< 120	< 120	170	< 120	2100	---	< 250	< 620	---	< 250	< 120	< 620
1987	4	---	---	---	---	---	---	---	---	---	---	2700	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	6200	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	5000	---	---	---	---	---	---	---
1988	3	< 250	< 500	< 500	< 1200	< 250	< 250	< 250	< 250	< 250	< 250	5200	---	< 500	< 1200	---	< 500	< 250	< 1200
1988	4	---	---	---	---	---	---	---	---	---	---	5600	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	3300	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	4900	---	---	---	---	---	---	---
1989	3	< 120	< 250	< 250	< 120	< 120	< 120	< 120	< 120	130	< 120	3000	< 120	< 250	< 250	---	< 250	< 120	< 250
1989	4	---	---	---	---	---	---	---	---	---	---	2200	---	---	---	---	---	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	2100	---	---	---	---	---	---	---

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3) --- = NOT TESTED

OGC-003208

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Non-Priority Polluntants: Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
********** WELL NO. 15 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	< 5	< 10	< 10	11	< 5	34	< 5	< 5	2200	< 5	4400	< 10	< 10	< 10	48	< 10	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 30	< 60	< 60	< 60	< 30	< 30	< 30	< 30	390	< 30	940	---	< 60	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	630	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	580	---	---	---	---	---	---	---
1987	3	< 25	< 50	< 50	< 120	< 25	< 25	< 25	< 25	250	< 25	650	---	< 50	< 120	---	< 50	< 25	< 120
1987	4	---	---	---	---	---	---	---	---	---	---	480	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	370	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	< 10	---	---	---	---	---	---	---
1988	3	< 15	< 30	< 30	< 75	< 15	< 15	< 15	< 15	150	< 15	380	---	< 30	< 75	---	< 30	< 15	< 75
1988	4	---	---	---	---	---	---	---	---	---	---	250	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	180	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	200	---	---	---	---	---	---	---
1989	3	< 10	< 20	< 20	< 10	< 10	< 10	< 10	< 10	77	< 10	200	< 10	< 20	< 20	---	< 20	< 10	< 20
1989	4	---	---	---	---	---	---	---	---	---	---	260	---	---	---	---	---	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	190	---	---	---	---	---	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
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3) --- = NOT TESTED

OGC-003209

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
															Non-Priority Pollutants				
********** WELL NO. 16 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	63	< 10	70	49000	< 5	140	1600	200	5500	< 5	37000	< 10	< 10	17000	73	< 10	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	20000	---	---	---	---	---	---	---
1986	4	< 1300	< 2500	< 2500	16000	< 1300	< 1300	< 1300	< 1300	30000	< 1300	36000	---	< 2500	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	21000	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	23000	---	---	---	---	---	---	---
1987	3	< 1200	< 2500	< 2500	< 6200	< 1200	< 1200	< 1200	< 1200	21000	< 1200	25000	---	< 2500	< 6200	---	< 2500	< 1200	< 6200
1987	4	---	---	---	---	---	---	---	---	---	---	28000	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	26000	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	25000	---	---	---	---	---	---	---
1988	3	< 1600	< 3100	< 3100	< 7800	< 1600	< 1600	< 1600	< 1600	24000	< 1600	26000	---	< 3100	< 7800	---	< 3100	< 1600	< 7800
1988	4	---	---	---	---	---	---	---	---	---	---	22000	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	16000	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	14000	---	---	---	---	---	---	---
1989	3	< 250	< 500	< 500	1100	< 250	< 250	< 250	< 250	10000	< 250	13000	< 250	< 500	< 500	---	< 500	< 250	< 500
1989	4	---	---	---	---	---	---	---	---	---	---	16000	---	---	---	---	---	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	13000	---	---	---	---	---	---	---

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3) --- = NOT TESTED

OGC-003210

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
															Non-Priority Pollutants				
********** WELL NO. 18 (UPPER FLOW ZONE) **********																			
															WELL CONVERTED TO RECOVERY WELL IN 1989				
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	5400	---	---	---	---	---	---	---
1986	4	< 200	< 400	< 400	< 400	< 200	< 200	< 200	< 200	3400	< 200	3600	---	< 400	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	4000	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	3000	---	---	---	---	---	---	---
1987	3	< 250	< 500	< 500	< 1200	< 250	< 250	< 250	< 250	2900	< 250	4800	---	< 500	< 1200	---	< 500	< 250	< 1200
1987	4	---	---	---	---	---	---	---	---	---	---	4300	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	3500	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	3100	---	---	---	---	---	---	---
1988	3	< 250	< 500	< 500	< 1200	< 250	< 250	< 250	< 250	2200	< 250	3800	---	< 500	< 1200	---	< 500	< 250	< 1200
1988	4	---	---	---	---	---	---	---	---	---	---	4200	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1989	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NOTES : 1) WHERE STATE STANDARDS EXIST, THEY ARE SHOWN IN PARENTHESES IMMEDIATELY BELOW THE CHEMICAL NAME.
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3) --- = NOT TESTED

OGC-003211

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Non-Priority Pollutants: Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
********** WELL NO. 19 (LOWER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 200	< 400	< 400	5000	< 200	< 200	< 200	< 200	280	< 200	3600	---	< 400	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	2700	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	2900	---	---	---	---	---	---	---
1987	3	< 250	< 500	< 500	3100	< 250	< 250	< 250	< 250	340	< 250	4600	---	< 500	< 1200	---	< 500	< 250	< 1200
1987	4	---	---	---	---	---	---	---	---	---	---	3400	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	2900	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	< 5	---	---	---	---	---	---	---
1988	3	< 180	< 350	< 350	2700	< 180	< 180	< 180	< 180	180	< 180	1800	---	< 350	< 880	---	< 350	< 180	< 880
1988	4	---	---	---	---	---	---	---	---	---	---	3600	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	3200	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	3700	---	---	---	---	---	---	---
1989	3	< 120	< 250	< 250	1800	< 120	< 120	< 120	< 120	180	< 120	2400	< 120	< 250	< 250	---	< 250	< 120	< 250
1989	4	---	---	---	---	---	---	---	---	---	---	1500	---	---	---	---	---	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	880	---	---	---	---	---	---	---

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3) --- = NOT TESTED

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Non-Priority Pollutants: Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
********** WELL NO. 20 (LOWER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 5	< 10	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	17	---	< 10	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	32	---	---	---	---	---	---	---
1987	3	< 5	< 10	< 10	< 25	< 5	< 5	< 5	< 5	< 5	< 5	35	---	< 10	< 25	---	< 10	< 5	< 25
1987	4	---	---	---	---	---	---	---	---	---	---	25	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	10	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	28	---	---	---	---	---	---	---
1988	3	< 5	< 10	< 10	< 25	< 5	< 5	< 5	< 5	< 5	< 5	19	---	< 10	< 25	---	< 10	< 5	< 25
1988	4	---	---	---	---	---	---	---	---	---	---	15	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	12	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	14	---	---	---	---	---	---	---
1989	3	< 5	< 10	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	20	< 5	< 10	< 10	---	< 10	< 5	< 10
1989	4	---	---	---	---	---	---	---	---	---	---	< 5	---	---	---	---	---	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	17	---	---	---	---	---	---	---

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3) --- = NOT TESTED

OGC-003213

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Non-Priority Pollutants: Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
********** WELL NO. 21 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 200	< 400	< 400	< 400	< 200	< 200	< 200	< 200	3300	< 200	2300	---	< 400	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	1700	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	1400	---	---	---	---	---	---	---
1987	3	< 100	< 200	< 200	< 500	< 100	< 100	< 100	< 100	2800	< 100	2100	---	< 200	< 500	---	< 200	< 100	< 500
1987	4	---	---	---	---	---	---	---	---	---	---	2000	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	1800	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	1100	---	---	---	---	---	---	---
1988	3	< 5	< 10	< 10	< 25	< 5	< 5	< 5	< 5	1900	< 5	1500	---	< 10	< 25	---	< 10	< 5	< 25
1988	4	---	---	---	---	---	---	---	---	---	---	1300	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	900	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	520	---	---	---	---	---	---	---
1989	3	< 25	< 50	< 50	< 25	< 25	< 25	< 25	< 25	450	< 25	460	< 25	< 50	< 50	---	< 50	< 25	< 50
1989	4	---	---	---	---	---	---	---	---	---	---	1100	---	---	---	---	---	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	1000	---	---	---	---	---	---	---

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OGC-003214

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Non-Priority Pollutants: Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
********** WELL NO. 22 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 40	< 80	< 80	< 80	< 40	< 40	< 40	< 40	950	< 40	230	---	< 80	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	170	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	270	---	---	---	---	---	---	---
1987	3	< 25	< 50	< 50	< 120	< 25	< 25	< 25	< 25	510	< 25	370	---	< 50	< 120	---	< 50	< 25	< 120
1987	4	---	---	---	---	---	---	---	---	---	---	240	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	150	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	230	---	---	---	---	---	---	---
1988	3	< 5	< 10	< 10	< 25	< 5	< 5	< 5	< 5	140	< 5	63	---	< 10	< 25	---	< 10	< 5	< 25
1988	4	---	---	---	---	---	---	---	---	---	---	120	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	110	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	150	---	---	---	---	---	---	---
1989	3	< 10	< 20	< 20	< 10	< 10	< 10	< 10	< 10	190	< 10	120	< 10	< 20	< 20	---	< 20	< 10	< 20
1989	4	---	---	---	---	---	---	---	---	---	---	91	---	---	---	---	---	---	---
1990	1	---	---	---	---	---	---	---	---	---	---	110	---	---	---	---	---	---	---

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OGC-003215

SPARTON TECHNOLOGY, INC.
COORS ROAD FACILITY
GROUNDWATER MONITORING RESULTS
PART 3 of 3

ug/l

YEAR	QUARTER NO.	Ethyl-benzene	Methyl-bromide	Methyl-chloride	Methylene Chloride (100)	1,1,2,2-Tetra-chloro-ethane	Tetra-chloro-ethylene (20)	Toluene (750)	1,2-trans-Dichloro-ethylene	1,1,1-Tri-chloro-ethane (60)	1,1,2-Tri-chloro-ethane (10)	Tri-chloro-ethylene (100)	Tri-chloro-fluoro-methane	Vinyl chloride (1)	Non-Priority Polluntants: Acetone	Tri-chloro-tri-fluoro-ethane	2-Hexanone	Di-methyl benzene (620)	Methyl ethyl ketone
********** WELL NO. 23 (UPPER FLOW ZONE) **********																			
1983	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1984	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1985	4	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1986	4	< 400	< 800	< 800	< 800	< 400	< 400	< 400	< 400	7300	< 400	7500	---	< 800	---	---	---	---	---
1987	1	---	---	---	---	---	---	---	---	---	---	6500	---	---	---	---	---	---	---
1987	2	---	---	---	---	---	---	---	---	---	---	3700	---	---	---	---	---	---	---
1987	3	< 170	< 340	< 340	< 850	< 170	< 170	< 170	< 170	3500	< 170	3900	---	< 340	< 850	---	< 340	< 170	< 850
1987	4	---	---	---	---	---	---	---	---	---	---	13000	---	---	---	---	---	---	---
1988	1	---	---	---	---	---	---	---	---	---	---	13000	---	---	---	---	---	---	---
1988	2	---	---	---	---	---	---	---	---	---	---	11000	---	---	---	---	---	---	---
1988	3	< 350	< 700	< 700	< 1800	< 350	< 350	< 350	< 350	3200	< 350	3900	---	< 700	< 1800	---	< 700	< 350	< 1800
1988	4	---	---	---	---	---	---	---	---	---	---	8000	---	---	---	---	---	---	---
1989	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1989	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1989	3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

WELL CONVERTED TO RECOVERY WELL IN 1989

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Attachment IV

DeWitt Letter

VARNUM, RIDDERING, SCHMIDT & HOWLETT
ATTORNEYS AT LAW
SUITE 800
171 MONROE AVENUE, N.W.
GRAND RAPIDS, MICHIGAN 49503
TELEPHONE (616) 459-4186
TELECOPIER (616) 459-8468
TELEX 192818015 VARN

JON F. DeWITT

March 2, 1990

Mr. Mark Peycke
U.S. EPA Region VI
Mail Code 6-C
1445 Ross Avenue
Dallas, Texas 75202

Re: Sparton Technology, Inc.

Dear Mr. Peycke:

This letter is written at your suggestion to follow up on the meeting Mr. Mabrey and I had with you and Mr. Williams in Dallas on February 27.

Since representatives of Sparton met with EPA on October 17, 1989, Sparton has moved aggressively to attempt to delineate the leading edge of the contaminated ground water plume. Since that time, Sparton has installed and tested the following monitoring wells:

On-site - Lower Flow Zone: MWS 42,43

Off-site - Upper Flow Zone: MWS 47,48

Off-site - Lower Flow Zone: MWS 44,45,46

On-site - Third Flow Zone: MW 49

The results of lab tests for all of these wells have been received and analyzed. The results are graphically presented on the map enclosed with this letter. Some of the results, particularly off-site, were unforeseen and unexpected. When Sparton commenced this round of well placement, we believe that all parties fully expected that these wells would likely find the leading edge of the plume.

Such was not the case. The two new off-site downgradient upper flow zone wells (MWs 47 and 48) show levels of TCE in the 300 to 800 ppb range. Two of the new off-site downgradient lower flow

zone wells (MWs 45 and 46) show levels in the 1400 to 4200 ppb range.

Furthermore, the demonstrated levels also raise questions as to just which way the plume is moving. It also appears that when you get a certain distance offsite, there is only one flow zone, not two.

As Sparton explained at the February 27 meeting, it makes no sense any longer to step out 300' from these recent wells looking for the leading edge. Instead, Sparton proposes to proceed as follows:

1. Sparton will place a new monitoring well about one mile from the facility in the Irving Boulevard right-of-way near the intersection of Snowflake Drive and obtain an expedited test for the presence of TCE. (For this purpose, Sparton proposes to use Assaigai Analytical Laboratories, 7300 Jefferson, S.E., Albuquerque; using EPA test method 601.) If TCE is found, Sparton will present a plan to proceed further downgradient. If TCE is not found, Sparton will present a plan to test upgradient towards MW-47. Once the leading edge is found, Sparton will also do a vertical profile.

2. Sparton will install a piezometer well south and east of the one-mile well, in the Paradise Boulevard right-of-way near the intersection of Joe Montoya Place. This well, MW-47, and the one-mile well will allow Sparton to better determine flow direction, which in turn will help determine where additional wells may be placed.

3. Sparton will install a new monitoring well upgradient of the facility (see "proposed well" on enclosed map) because of some historical evidence, recently learned, that suggests some of this contamination may be coming from another source.

4. At the same time Sparton obtains access agreements for these three wells, it will attempt to obtain access agreements for several other potential well locations, in an attempt to cut down on future access related delays.

The Consent Order requires seven days written notice of any sampling event. It may help us further expedite this process if that could be changed to allow for telephone notification 3 days prior to the sampling event.

We believe this plan will expedite Sparton's ability to locate the leading edge as required by the Consent Order. However, these new circumstances make it doubtful that all of the investigation

can be completed in time to file a complete RFI report, now due on July 10, 1990.

We request concurrence with this plan and that the RFI schedule be adjusted to account for this plan. Sparton does not want to be faced with penalties on July 10 if the RFI report cannot be completed due to this unexpected development.

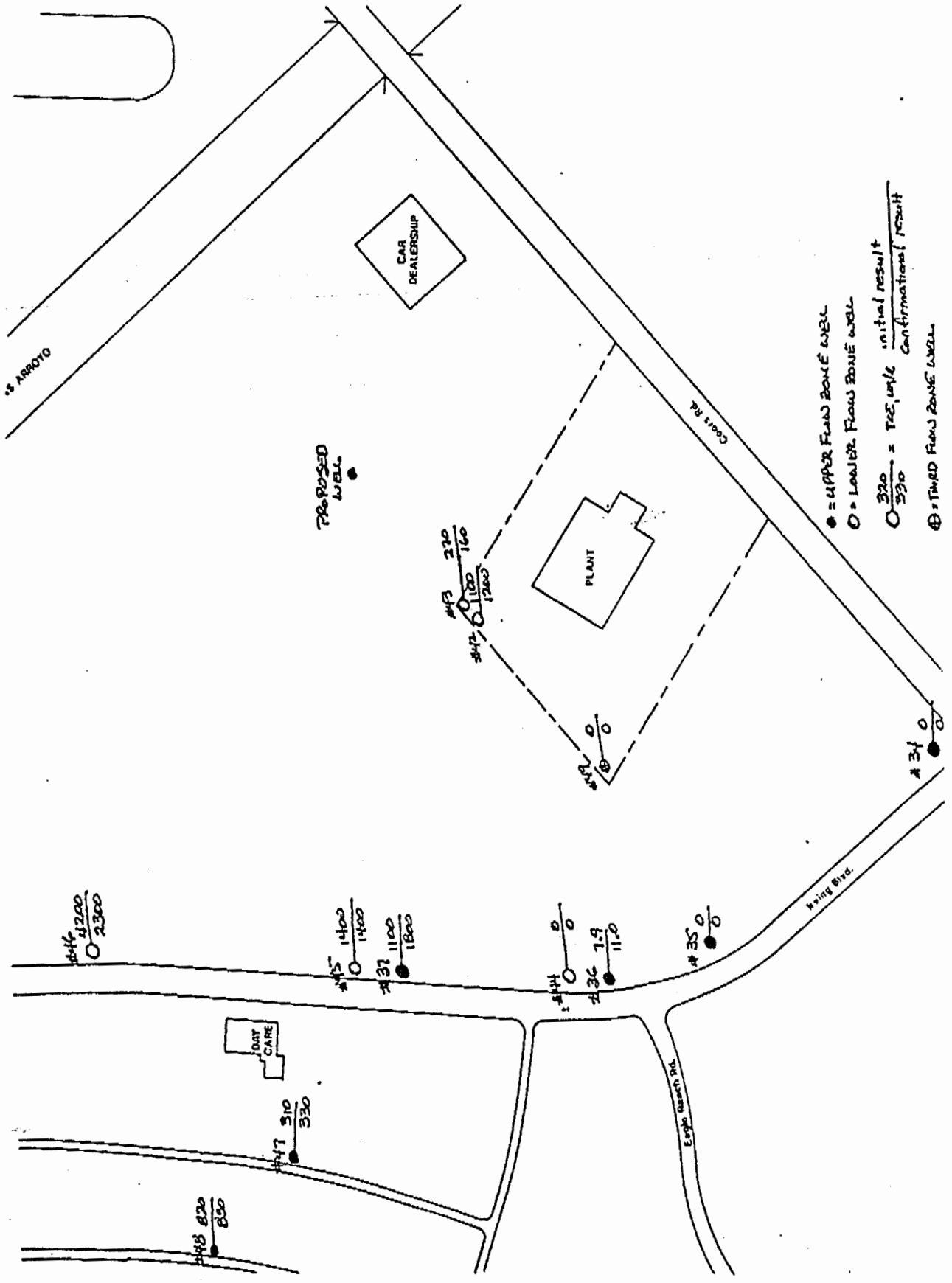
Yours truly,

VARNUM, RIDDERING, SCHMIDT & HOWLETT

Jon F. DeWitt

JFD:jc
enclosures
cc: Mr. Jay Mabrey

bcc: Mr. Blair Thompson
Mr. Dick Mico
Mr. Gary Richardson


CAR DEALERSHIP
ARROYO
PROPOSED WELL
PLANT
Cooks Rd.
Irving Blvd.
Eagle Ranch Rd.
DAY CARE
● = UPPER FLOWS ZONE WELL
○ = LOWER FLOWS ZONE WELL
320/330 = TCE, ug/L initial result / confirmational result
⊕ = THIRD FLOWS ZONE WELL

OGC-003220