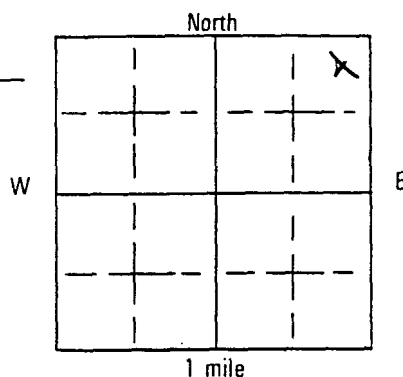


SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT

10-85

Location ~~NE~~ ~~NE~~ ~~NE~~ Sec 21 Twp 8N Rg 2E
SW SW 15County
ButtePlease mark well
location with
an "X"

Well Owner:

Name D.O.T. Belle Fourche

Address _____

Belle Fourche SDPlugging completion Date 9/15/00

CHECK APPROPRIATE BOX

EXISTING WELL



TEST HOLE



Well depth

See Attached Logs

Hole depth

See Attached Logs

Casing material

Hole size

Casing size(s)

_____, _____

Casing condition

Describe plugging procedure:

The well casings were Filled with Bentonite to 1' From the surface. The manholes were Removed and the Blacktop surface was Plugged with Cement.

Describe grout or plugging material:

Bentonite chips

Type of non-slip plug: _____

This well or test hole was plugged under license #

525

And this report is true and accurate.

Drilling firm

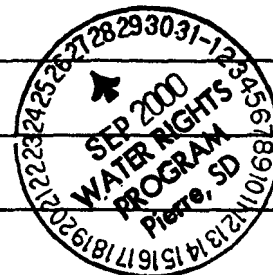
American Engineering Testing Inc.

Signature of Licensed Representative

Elly Malone

Signature of Well Owner

Date

9/19/00

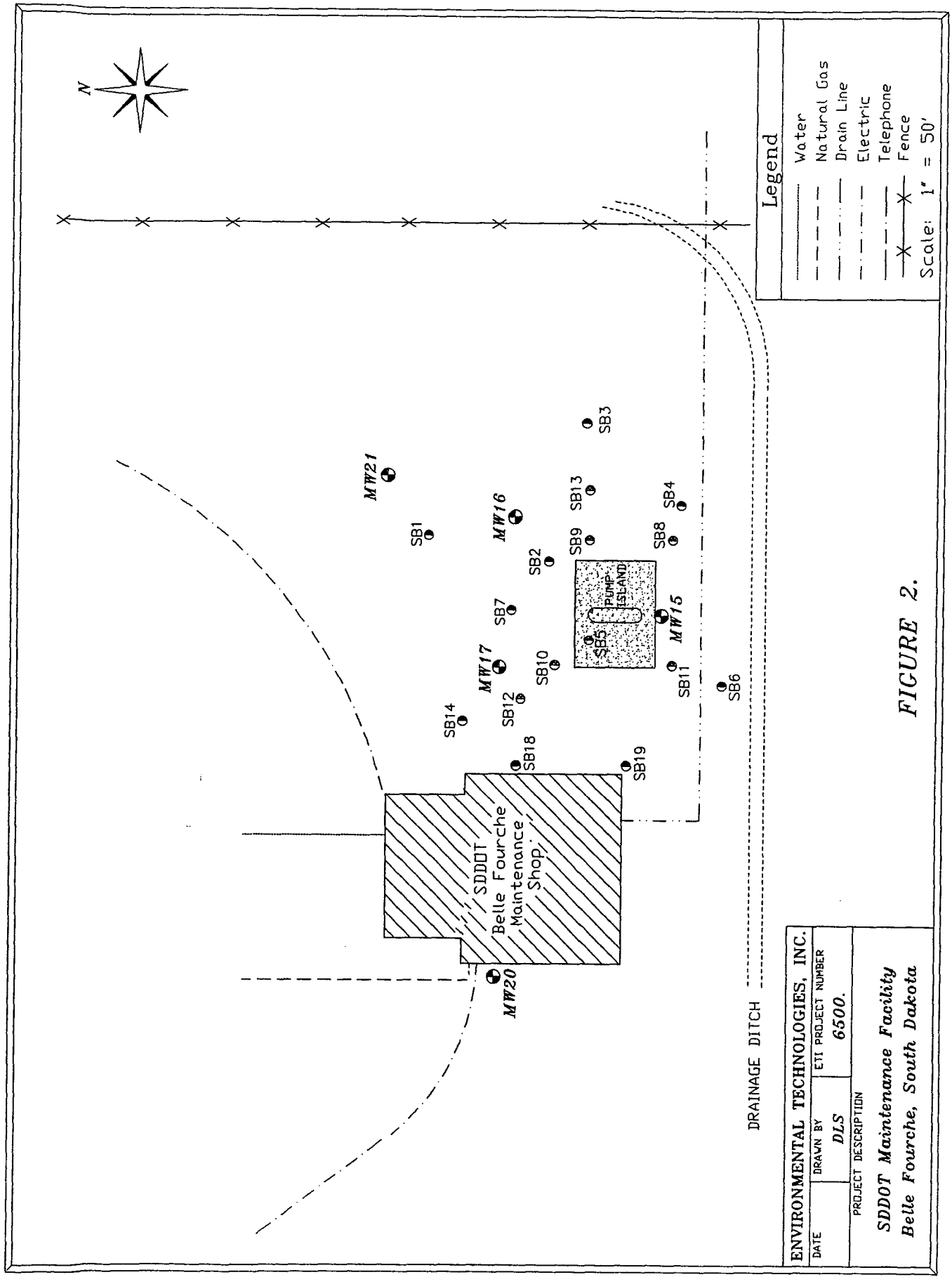


FIGURE 2.

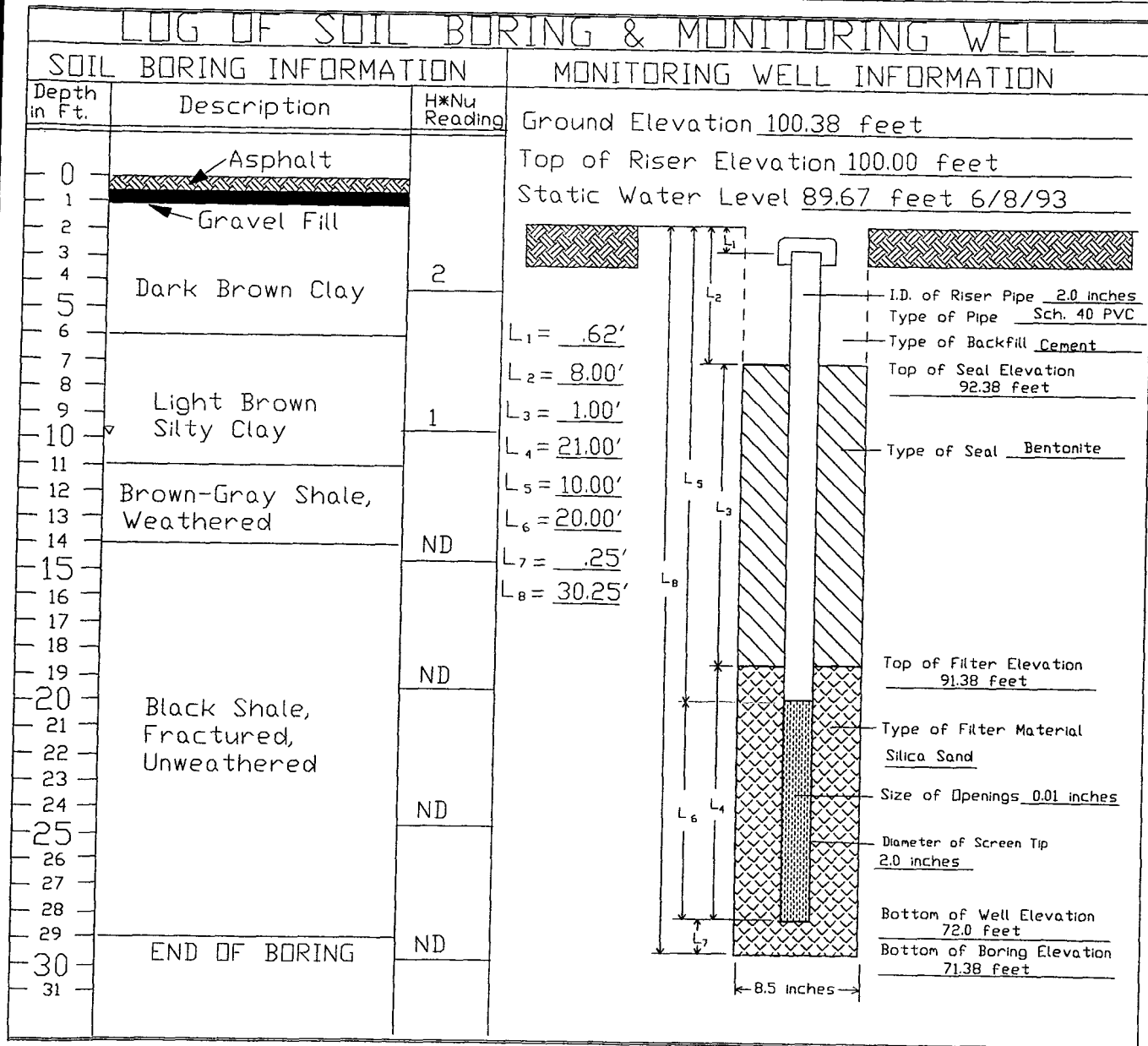
ENVIRONMENTAL TECHNOLOGIES, INC.		
DATE	DRAWN BY	ETI PROJECT NUMBER
	DLS	6500.
PROJECT DESCRIPTION		
SDDOT Maintenance Facility		
Belle Fourche, South Dakota		

SPECIAL RESOURCE MANAGEMENT, INC.

GROUNDWATER MONITORING WELL INSTALLATION REPORT

South Dakota License Number 575 Monitoring Well Number MW-15
 Project Name SDDOT Belle Fourche Project Location Belle Fourche, SD
 SRM Project Number 41.0610.115 Installed By SRM Date Installed 6/8/93

Method of Installation Truck mounted "Mobil" drilling rig with an 8.5 inch outside diameter hollow-stem auger. Samples obtained in advance of the auger's tip with a standard split-spoon sampler.



Remarks Laboratory sample taken from the 4-6 foot interval.

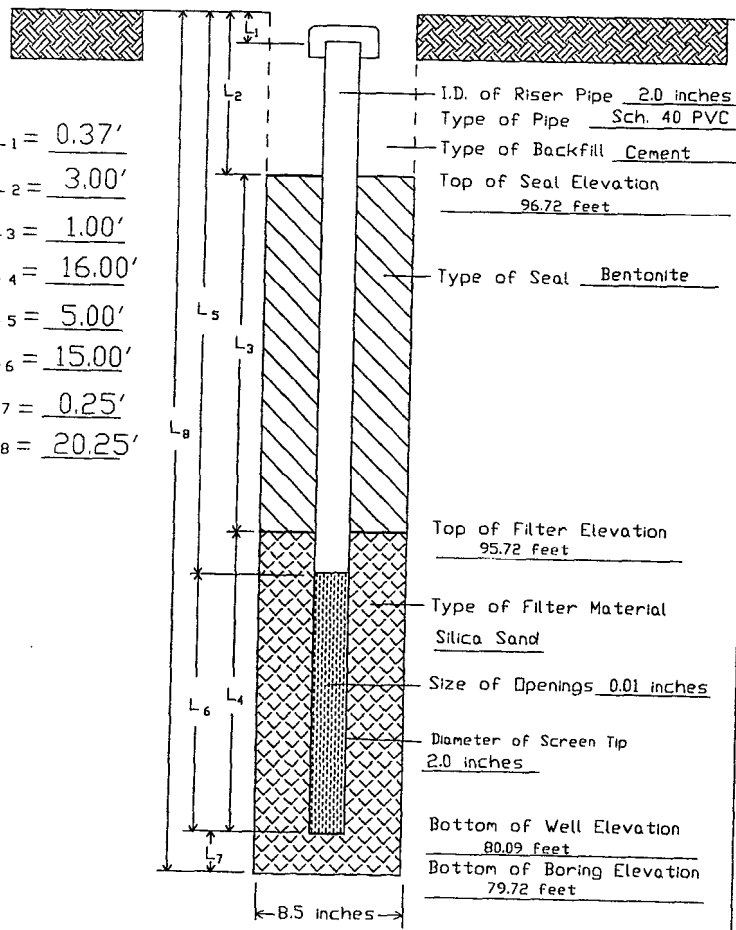
Prepared by Graphix

SPECIAL RESOURCE MANAGEMENT, INC.

GROUNDWATER MONITORING WELL INSTALLATION REPORT

South Dakota License Number 575 Monitoring Well Number MW-16
 Project Name SDDOT Belle Fourche Project Location Belle Fourche, SD
 SRM Project Number 41.0610.115 Installed By SRM Date Installed 6/8/93
 Method of Installation Truck mounted "Mobil" drilling rig with an 8.5 inch
outside diameter hollow-stem auger. Samples obtained in advance of the
auger's tip with a standard split-spoon sampler.

LOG OF SOIL BORING & MONITORING WELL

SOIL BORING INFORMATION			MONITORING WELL INFORMATION	
Depth in Ft.	Description	H*Nu Reading		
0	Asphalt		Ground Elevation <u>99.72 feet</u>	
1	Gravel Fill		Top of Riser Elevation <u>99.35 feet</u>	
2			Static Water Level <u>89.79 feet 6/8/93</u>	
3				
4	Dark Brown Clay	4		
5				
6				
7				
8	Brown Silty Clay, Moist	3		
9				
10				
11				
12				
13				
14		ND		
15	Black Shale, Unweathered, Fractured, Friable			
16				
17				
18				
19				
20				
21	END OF BORING			
22				
23				
24				
25				

Remarks Laboratory sample obtained at the 4-6 feet interval.
No Petroleum Odor detected.

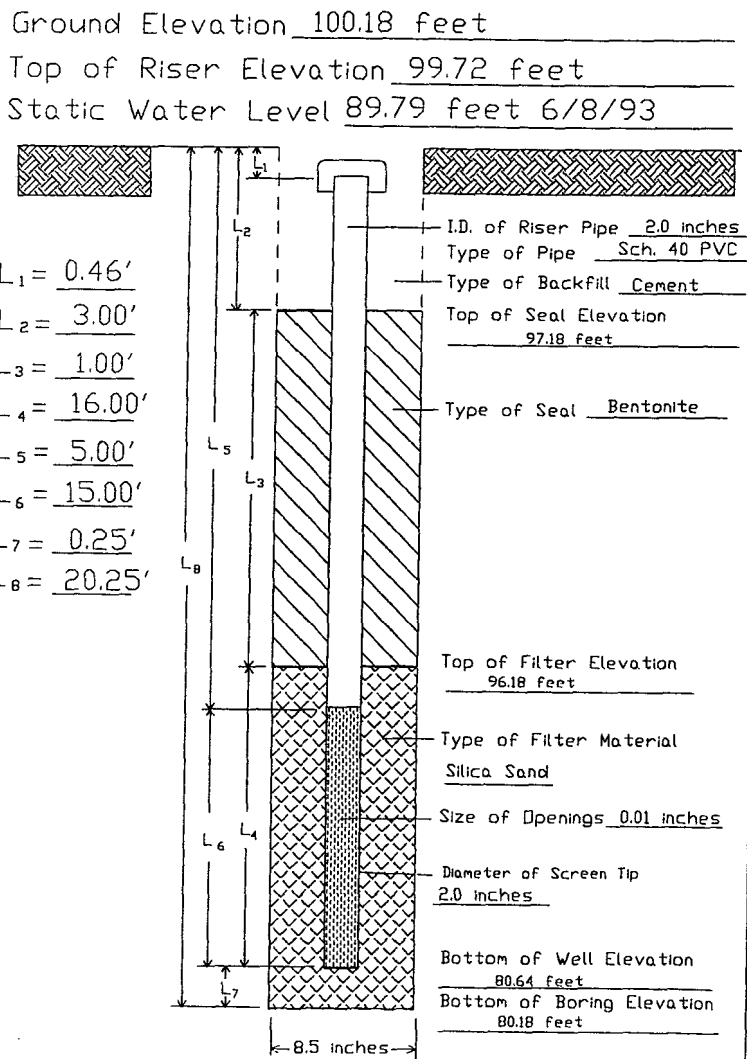
Prepared by Graphix

SPECIAL RESOURCE MANAGEMENT, INC.

GROUNDWATER MONITORING WELL INSTALLATION REPORT

South Dakota License Number 575 Monitoring Well Number MW-17
 Project Name SDDOT Belle Fourche Project Location Belle Fourche, SD
 SRM Project Number 41.0610.115 Installed By SRM Date Installed 6/8/93
 Method of Installation Truck mounted "Mobil" drilling rig with an 8.5 inch
outside diameter hollow-stem auger. Samples obtained in advance of the
auger's tip with a standard split-spoon sampler.

LOG OF SOIL BORING & MONITORING WELL		
SOIL BORING INFORMATION		MONITORING WELL INFORMATION
Depth in Ft.	Description	H*Nu Reading
0	Asphalt	
1	Gravel Fill	
2		
3		
4	Dark Brown Clay	2
5		$L_1 = 0.46'$
6		$L_2 = 3.00'$
7		$L_3 = 1.00'$
8		$L_4 = 16.00'$
9	Brown Silty Clay, Moist	2
10		$L_5 = 5.00'$
11		$L_6 = 15.00'$
12		$L_7 = 0.25'$
13		$L_8 = 20.25'$
14		
15	Black Shale, Unweathered, Fractured, Friable	100
16		
17		
18		
19		
20	END OF BORING	
21		
22		
23		
24		
25		



Remarks Laboratory sample obtained at the 14-16 feet interval.
Fuel Oil odor detected at the 14-16 feet interval.

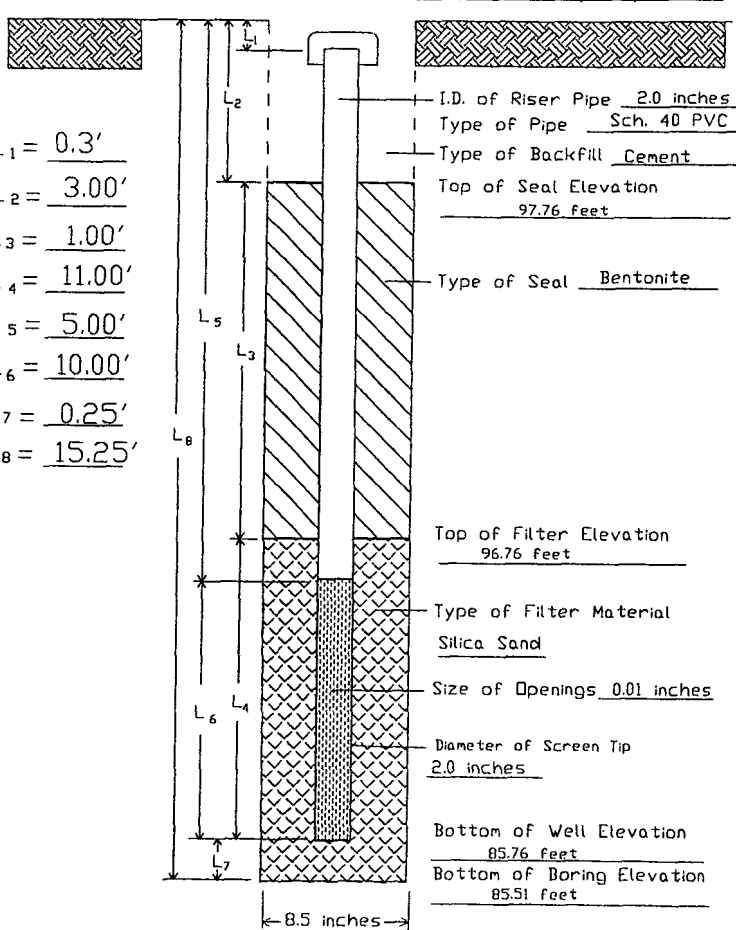
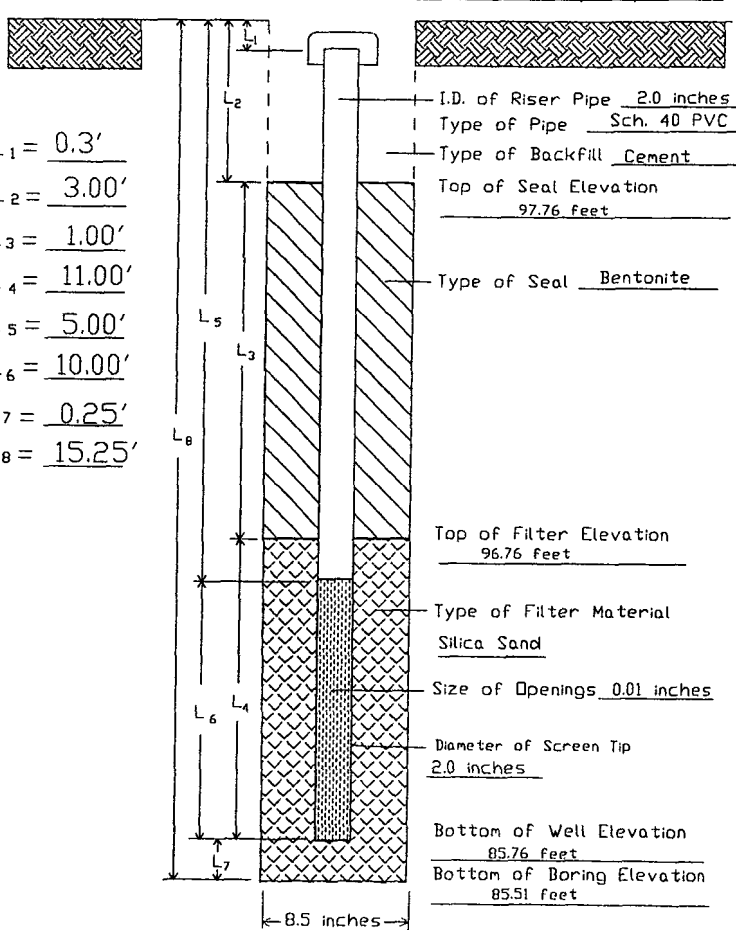
Prepared by Graphix

ENVIRONMENTAL TECHNOLOGIES, INC.

GROUNDWATER MONITORING WELL INSTALLATION REPORT

South Dakota License Number 575 Monitoring Well Number MW-20
 Project Name SDDOT BELLE FOURCHE Project Location BELLE FOURCHE, SD
 ETI Project Number 6500.018 Installed By ETI Date Installed 7/15/94
 Method of Installation Truck mounted "Mobil" drilling rig with an 6.5 inch
outside diameter hollow-stem auger. Samples obtained in advance of the
auger's tip with a standard split-spoon sampler.

LOG OF SOIL BORING & MONITORING WELL

SOIL BORING INFORMATION			MONITORING WELL INFORMATION	
Depth in Ft.	Description	H*Nu Reading	Ground Elevation <u>100.76 feet</u>	
0	Asphalt		Top of Riser Elevation <u>100.46 feet</u>	
1	Gravel Fill	NS	Static Water Level <u>95.14 feet on 7/14/94</u>	
2	CLAY, Black		 I.D. of Riser Pipe <u>2.0 inches</u> Type of Pipe <u>Sch. 40 PVC</u> Type of Backfill <u>Cement</u> Top of Seal Elevation <u>97.76 feet</u> Type of Seal <u>Bentonite</u> Top of Filter Elevation <u>96.76 feet</u> Type of Filter Material <u>Silica Sand</u> Size of Openings <u>0.01 inches</u> Diameter of Screen Tip <u>2.0 inches</u> Bottom of Well Elevation <u>85.76 feet</u> Bottom of Boring Elevation <u>85.51 feet</u>	
3				
4		ND		
5				
6	SHALE, Olive Gray	ND		
7				
8				
9	SILTY CLAY, Brown	1.0		
10			 L₁ = <u>0.3'</u> L₂ = <u>3.00'</u> L₃ = <u>1.00'</u> L₄ = <u>11.00'</u> L₅ = <u>5.00'</u> L₆ = <u>10.00'</u> L₇ = <u>0.25'</u> L₈ = <u>15.25'</u>	
11		<1		
12	SHALE, Olive Gray with Iron Staining			
13				
14		<1		
15				
16				
17	END OF BORING			
18				
19				
20				
21				
22				
23				
24				
25				

Remarks Sample obtained for Laboratory Analysis from the 9 to 11 foot interval.

Prepared by Graphix

ENVIRONMENTAL TECHNOLOGIES, INC.

GROUNDWATER MONITORING WELL INSTALLATION REPORT

South Dakota License Number 575

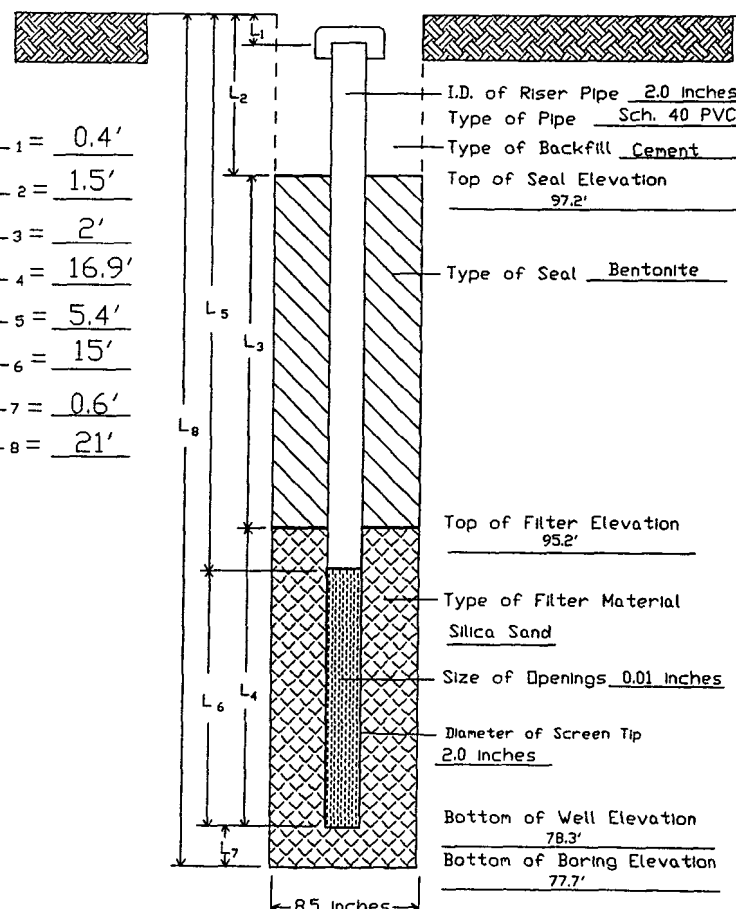
Monitoring Well Number MW-21

Project Name SDDOT Belle Fourche Shop Project Location Belle Fourche, SD

ETI Project Number 6500.121 Installed By ETI Date Installed 1-23-97

Method of Installation Truck mounted "Mobil" drilling rig with an 6.5 inch outside diameter hollow-stem auger. Samples obtained in advance of the auger's tip with a standard split-spoon sampler.

LOG OF SOIL BORING & MONITORING WELL

SOIL BORING INFORMATION			MONITORING WELL INFORMATION	
Depth in Ft.	Description	H*Nu Reading	Ground Elevation <u>98.73</u>	
0	Asphalt		Top of Riser Elevation <u>98.31</u>	
1	Gravel Fill		Static Water Level <u>8.93</u> TOC <u>1/24/97</u>	
2	CLAYEY SILT with Sand, brown, moist.	0		
3				
4				
5		0		
6	SILTY CLAY, brown, wet.			
7		0.5		
8				
9	SILTY CLAY, tan-brown, iron staining, wet.	0.5		
10				
11				
12	SHALE, tan-brown and dark gray, iron staining, friable, wet.	0.5		
13				
14				
15	-Waterbearing	0		
16				
17		0.5		
18	SHALE, dark gray, iron staining, fractured, moist-waterbearing.	0.5		
19				
20				
21	END OF BORING			
22				
23				
24				
25				

Remarks _____

Prepared by DLS