

Borehole Logs





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BOREHOLE LOG

TRENCH #: F-2
SHEET: 1 OF 1
FILE #: 947

CONFIDENTIAL AND PRIVILEGED DOCUMENT

PROJECT: TRANSPORT CANADA STARTED ON: 14-08-94 ENDED ON: 14-08-94
LOCATION: IQALUIT AIRPORT, NORTHWEST TERRITORIES SLOTTED PIPE Ø: 50mm TUBING Ø: 50mm
CONTRACTOR: Forages de Montréal DRILL TYPE: Tripod CORE SAMPLER Ø: ---
OPERATOR: Philippe Fomes METHOD (SOIL): Cable tool METHOD (ROCK): ---
TYPE OF TUBING: --- DRILLING FLUID: --- DONE BY: E. Groux

LEVELLING		MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS			
DEPTH (metres)	ELEVATION (metres)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	ODOUR	VISUAL APPEARANCE
0	0.00	24.17										Asphalt		
						CF-1	70					FW: gravelly sand, brown, dry		
1	1.20	22.97										Permafrost 1.20 metre		
2														
3														
4														
5														
6														
7														
8														

STATE OF SAMPLE:



INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:

CF - SPLIT SPOON SAMPLER
TM - THIN WALL SAMPLER
CR - CORE SAMPLER
O - ODORLESS
W - WEAK
I - INTERMEDIATE
P - PERSISTENT
NE - NON-EXISTANT
SC - SCATTERED
SA - SATURATED

OBSERVATIONS

▽ = WATER TABLE

** = FIELD
DUPLICATE
ANALYSED
SAMPLE

SURFACE PROTECTION: ---

SURFACE SEAL: ---

SEAL DEPTH: ---

SLOTTED PIPE LENGTH: ---

TUBING LENGTH: ---

GROUND LEVEL: ---

REFERENCE LEVEL: 0.00 metres

BEDROCK LEVEL: ---

GROUND LEVEL: 24.17 metres

WATER TABLE LEVEL: ---

HOUR(s) AFTER DIGGING: ---

BOREHOLE LOG

CONFIDENTIAL AND PRIVILEGED DOCUMENT

TRENCH #: **F-1**
 SHEET: **1** OF **1**
 FILE #: **847**

PROJECT: **TRANSPORT CANADA** STARTED ON: **14-08-94** ENDED ON: **14-08-94**
 LOCATION: **IQALUIT AIRPORT, NORTHWEST TERRITORIES** SLOTTED PIPE Ø : **50mm** TUBING Ø : **50mm**
 CONTRACTOR: **Forages de Montréal** DRILL TYPE: **Tripod** CORE SAMPLER Ø : **---**
 OPERATOR: **Philippe Farnes** METHOD (SOIL): **Cable tool** METHOD (ROCK): **---**
 TYPE OF TUBING: **---** DRILLING FLUID: **---** DONE BY: **E. Giroux**

LEVELLING			MONITORING WELL		SAMPLE					GEOLOGY		OBSERVATIONS	
DEPTH (metres)	ELEVATION (metres)	WATER TABLE	WELL DESIGN	NOTES	SAMPLE STATE	SAMPLE TYPE AND NUMBER	RECOVERY %	SPT	ANALYSED PARAMETERS	VOLATILE HYDROCARBON RECORD (PPM)	STRATIGRAPHY	SOIL/ROCK DESCRIPTION	
0	0.00	24.14										Asphalt Fill: gravelly sand, brown, moist	
1	1.20	22.94				CF-1	100						
2												Permafrost 1.20 metres	
3													
4													
5													
6													
7													
8													

STATE OF SAMPLE:



INTACT DISTURBED LOST CORE SAMPLE

TYPE OF SAMPLE:

CF - SPLIT SPOON SAMPLER
 TM - THIN WALL SAMPLER
 CR - CORE SAMPLER

OBSERVATIONS

O - ODORLESS
 W - WEAK
 I - INTERMEDIATE
 P - PERSISTENT
 NE - NON-EXISTANT
 SC - SCATTERED
 SA - SATURATED

▽ = WATER TABLE

** = FIELD
 DUPLICATE
 * = ANALYSED
 SAMPLE

SURFACE PROTECTION: **---**

SURFACE SEAL: **---**

SEAL DEPTH: **---**

SLOTTED PIPE LENGTH: **---**

TUBING LENGTH: **---**

GROUND LEVEL:

REFERENCE LEVEL: **0.00 metres**

BEDROCK LEVEL: **---**

GROUND LEVEL: **24.14 metres**

WATER TABLE LEVEL: **---**

_____ HOUR(s) AFTER DIGGING: **---**

Borehole Log

Borehole BH-22

Project: Main Apron, Ph III ESA, Iqaluit Airport

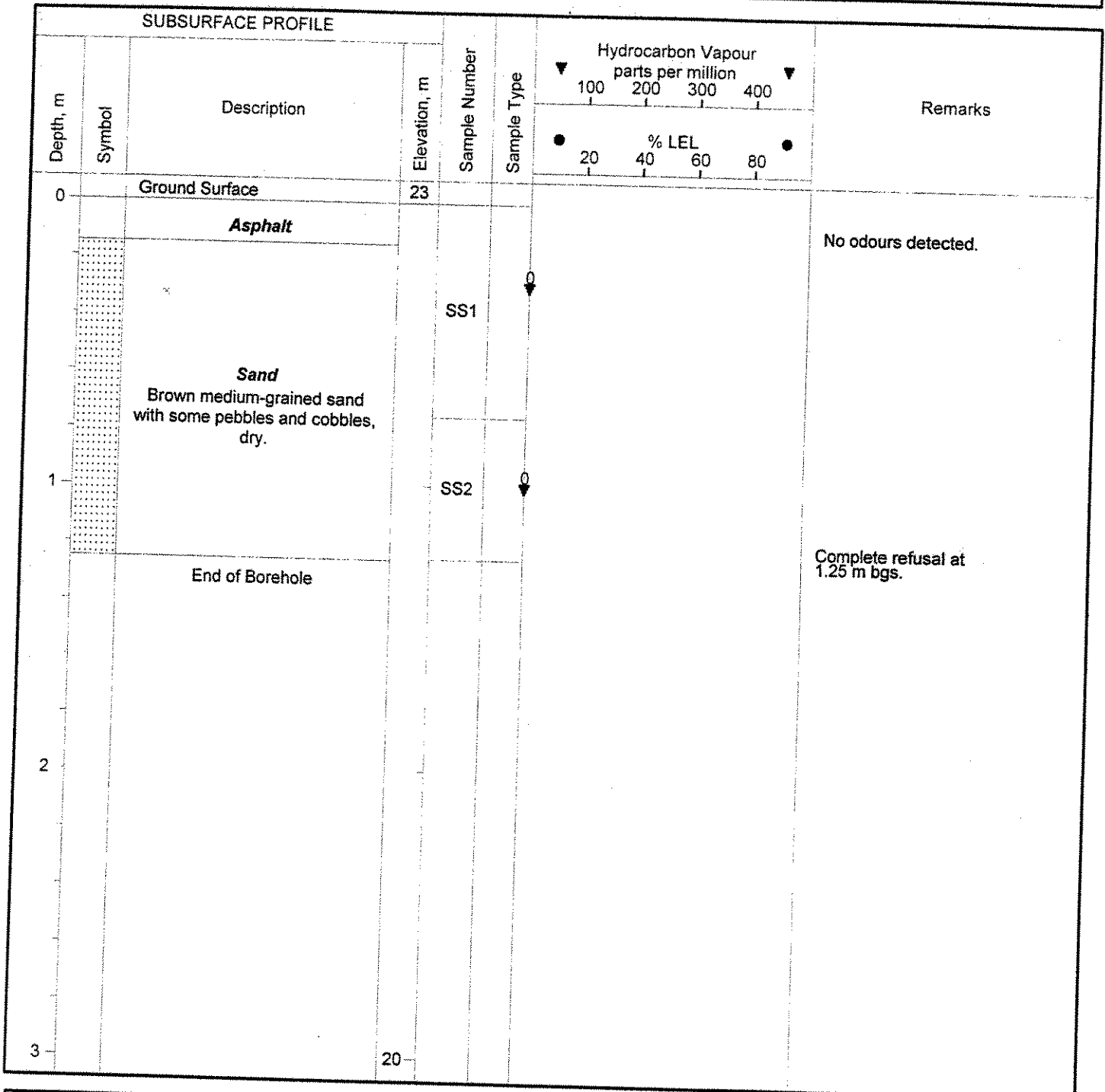
Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



SUBSURFACE PROFILE



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Richmond, B.C.
V6X 2E8

Borehole Log

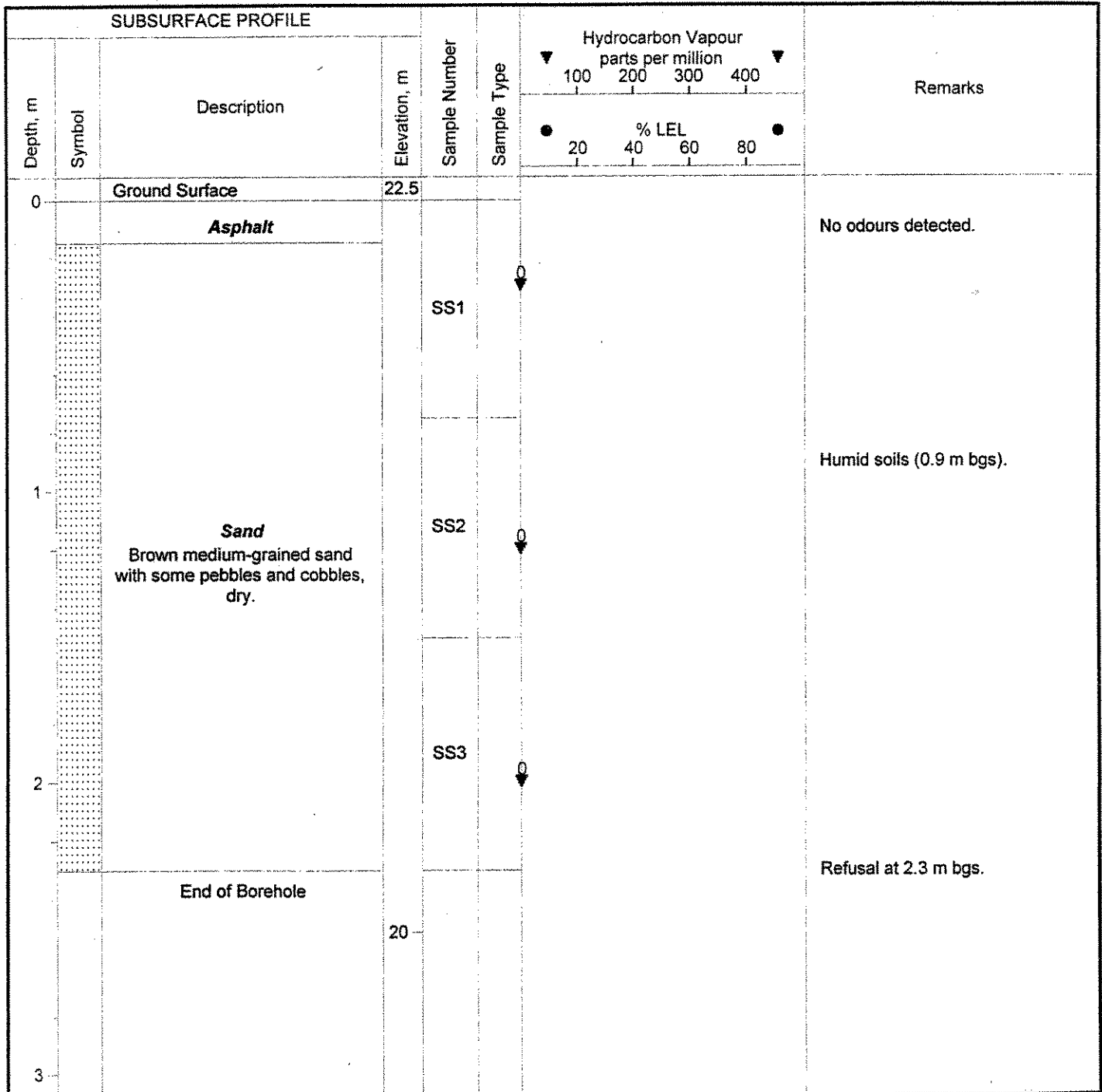
Borehole BH-21

Project: Main Apron, Ph III ESA, Iqaluit Airport

Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

Borehole BH-20

Project: Main Apron, Ph III ESA, Iqaluit Airport

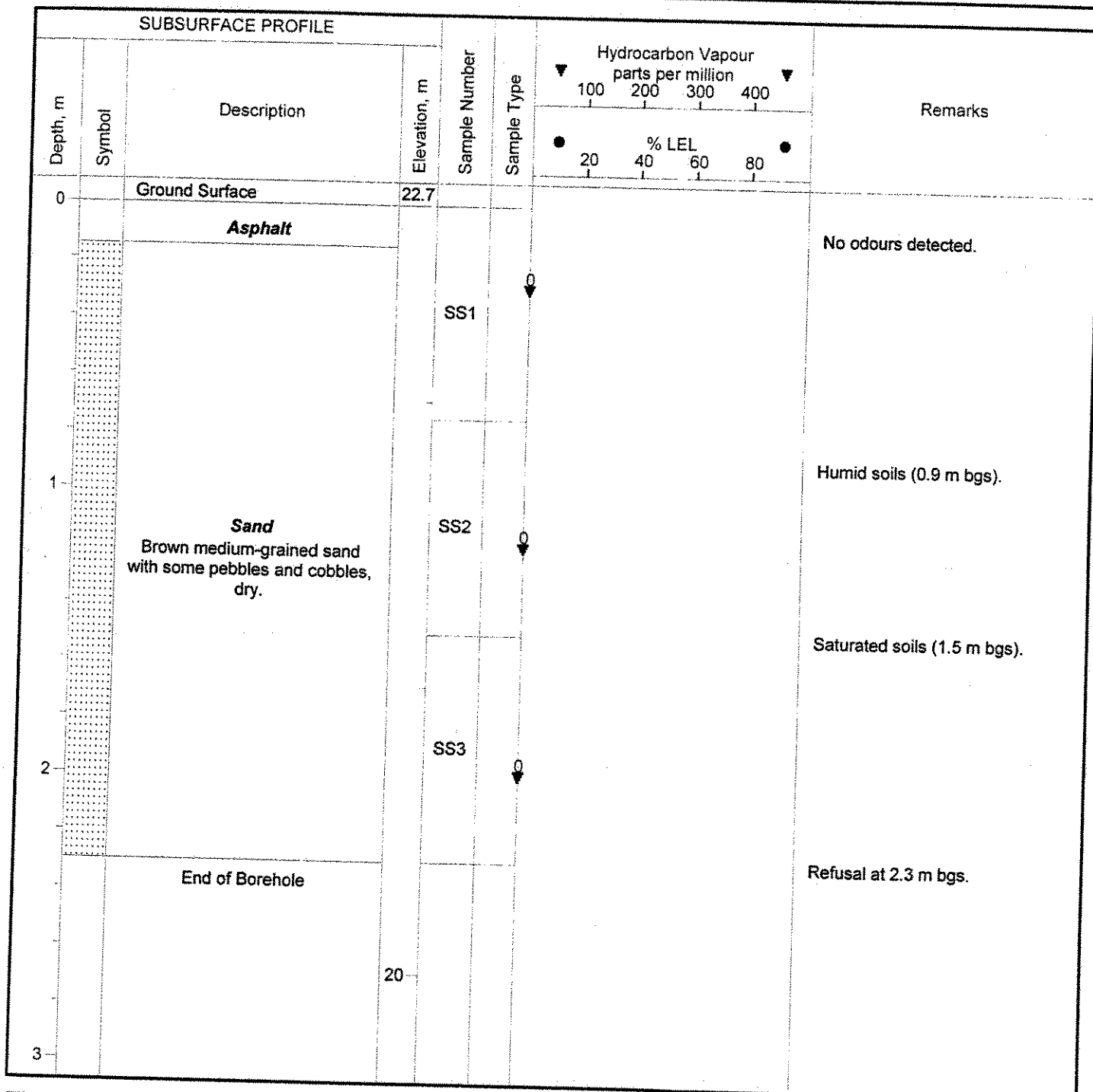
Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



SUBSURFACE PROFILE



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

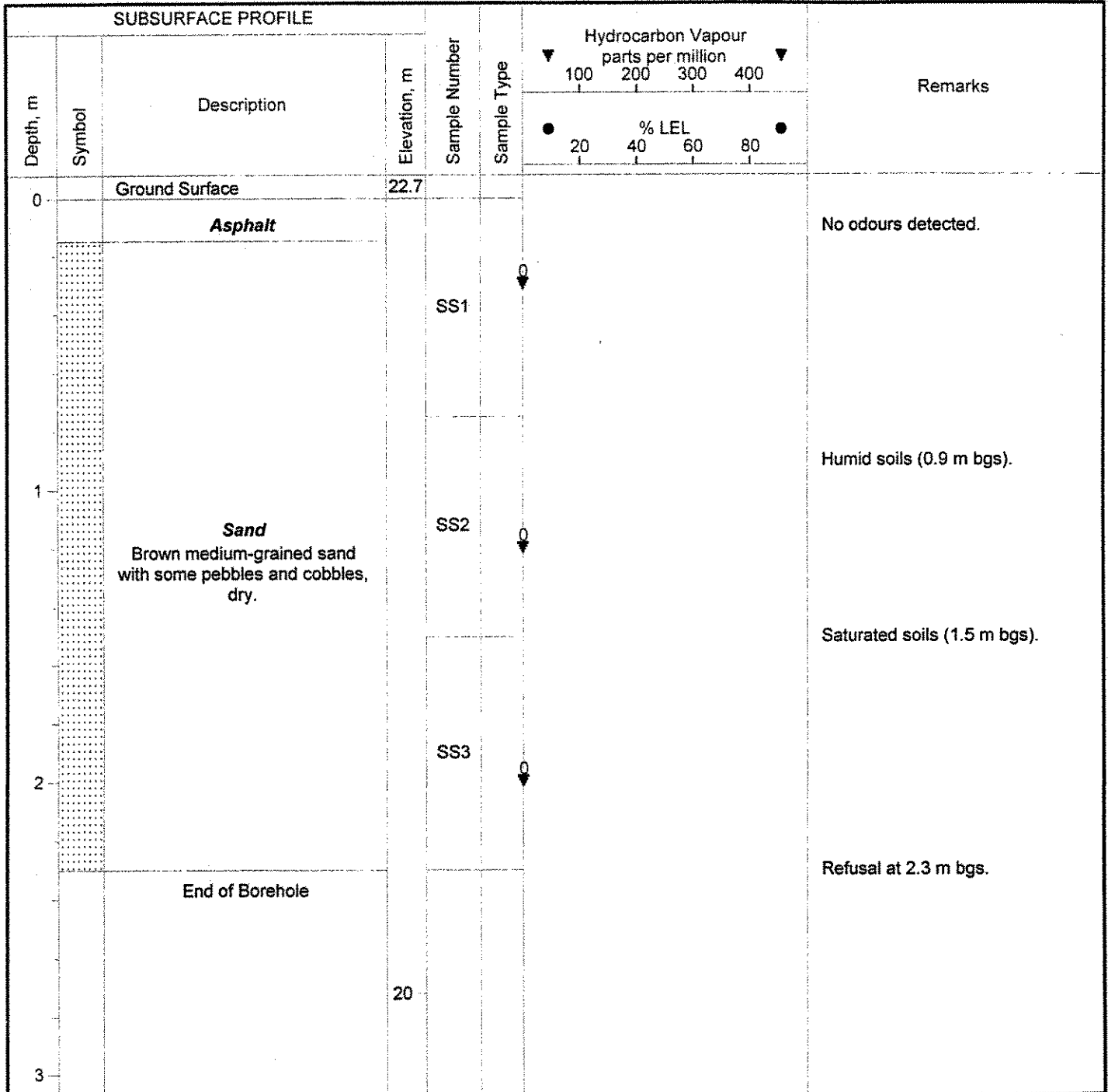
Borehole BH-19

Project: Main Apron, Ph III ESA, Iqaluit Airport

Project No.: 04-3730

Client: Transport Canada

Geoscientist: AG



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

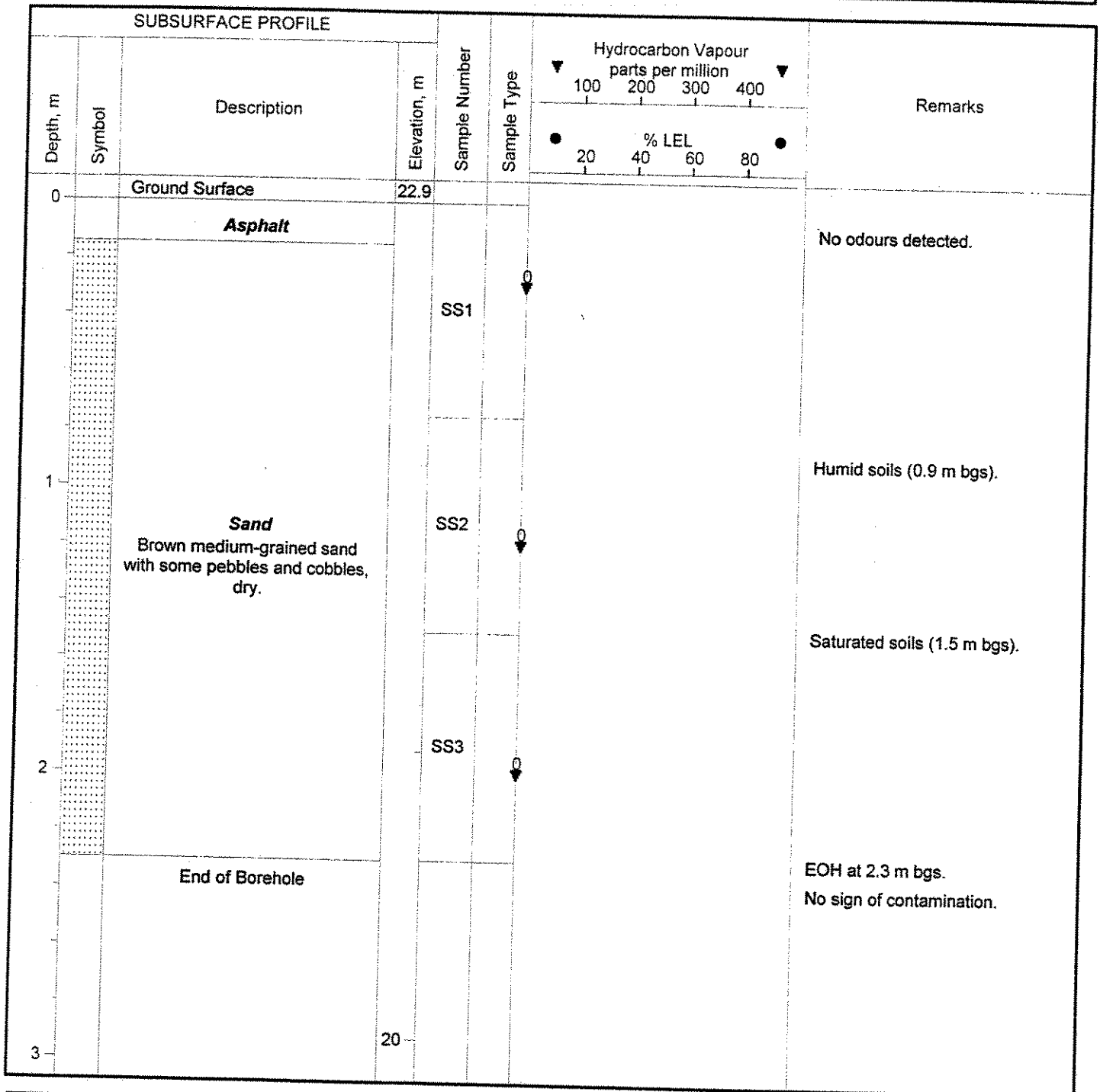
Borehole BH-18

Project: Main Apron, Ph III ESA, Iqaluit

Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

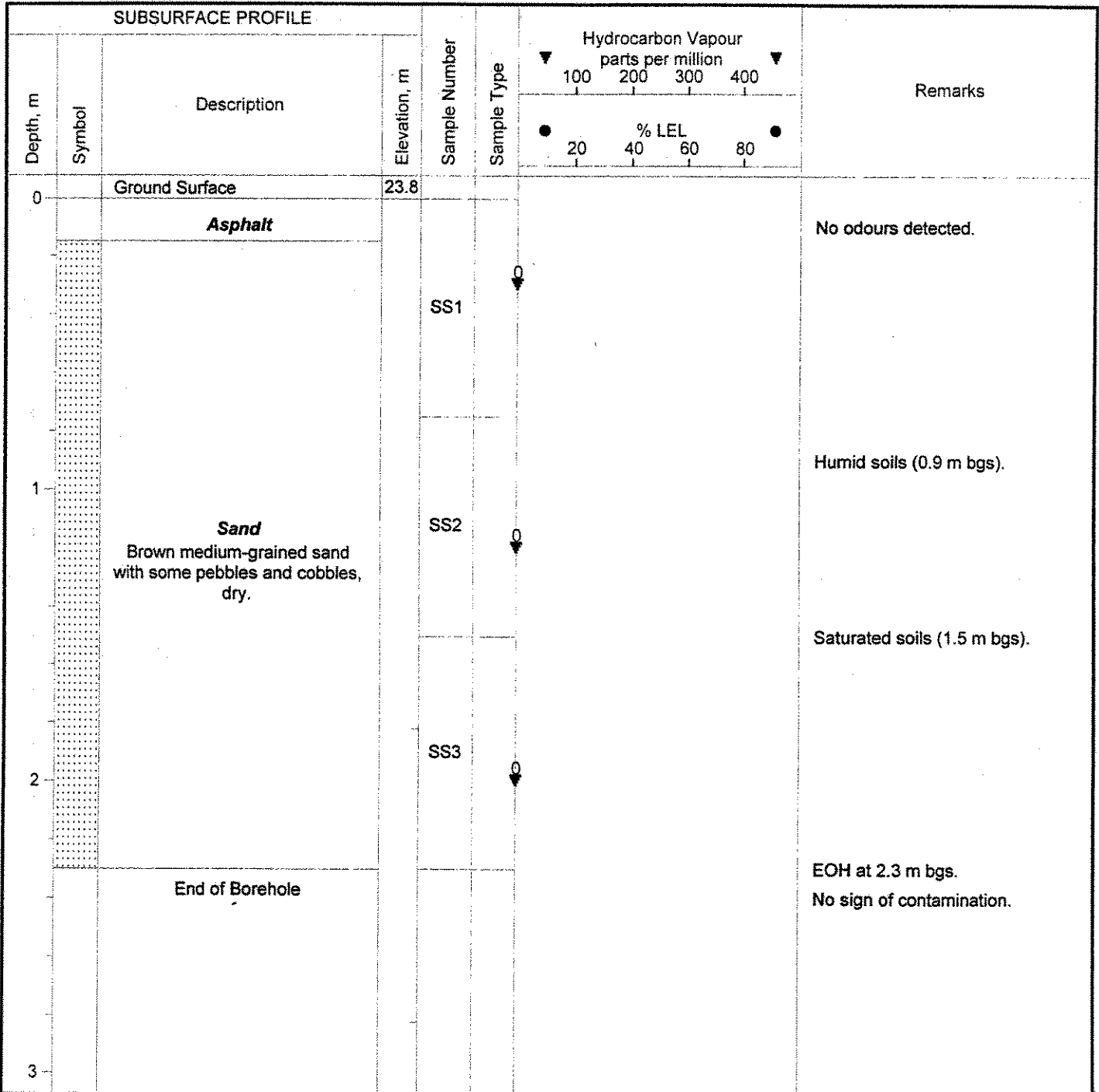
Borehole BH-17

Project: Main Apron, Ph III ESA, Iqaluit Airport

Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 24/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

Borehole BH-16

Project: Main Apron Ph III ESA, Iqaluit Airport

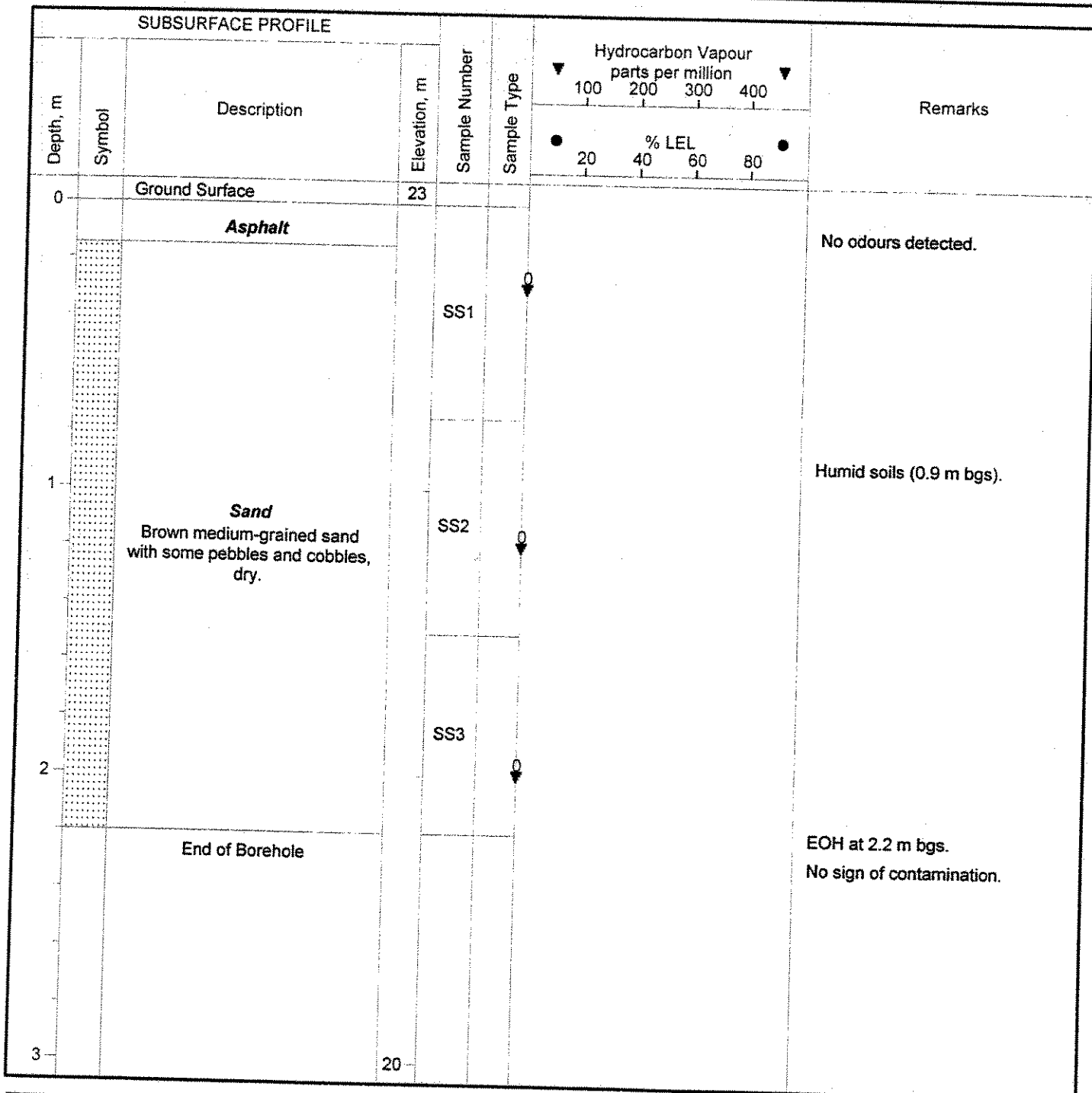
Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



SUBSURFACE PROFILE



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

Borehole BH-15

Project: Main Apron, Ph III ESA, Iqaluit Airport

Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



SUBSURFACE PROFILE					
Depth, m	Symbol	Description	Elevation, m	Sample Number	Sample Type
					Hydrocarbon Vapour parts per million 100 200 300 400 % LEL 20 40 60 80
0		Ground Surface	23.2		
		Asphalt			
				SS1	0
1		Sand Brown coarse-grained sand with some pebbles and cobbles, dry.		SS2	0
				SS3	0
2		End of Borehole			
3					

No odours detected.

Humid soils (0.9 m bgs).

Saturated soils (1.5 m bgs).

EOH at 2.1 m bgs.

No sign of contamination.

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

Borehole BH-14

Project: Main Apron, Ph III ESA, Iqaluit Airport

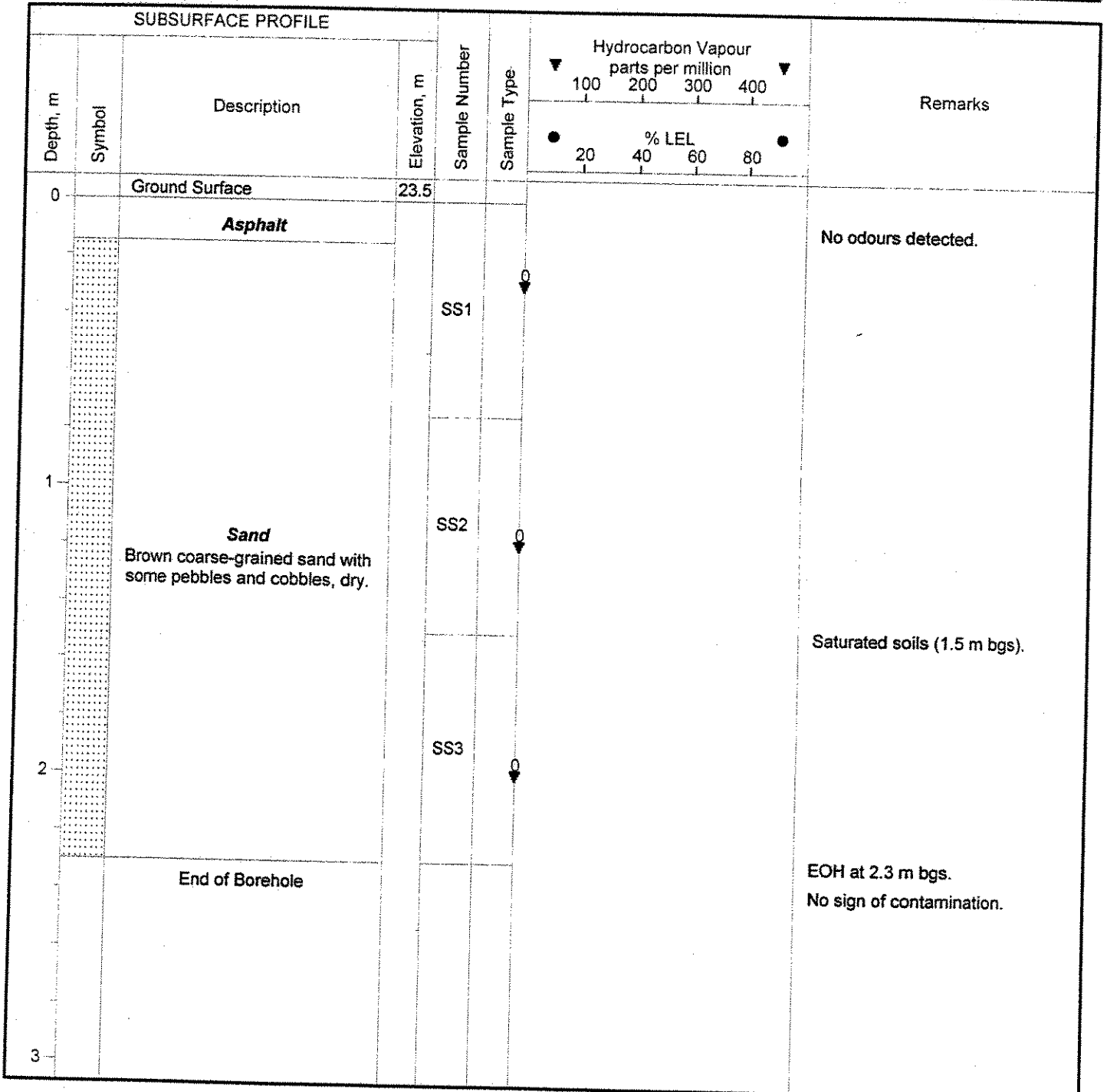
Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



SUBSURFACE PROFILE



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

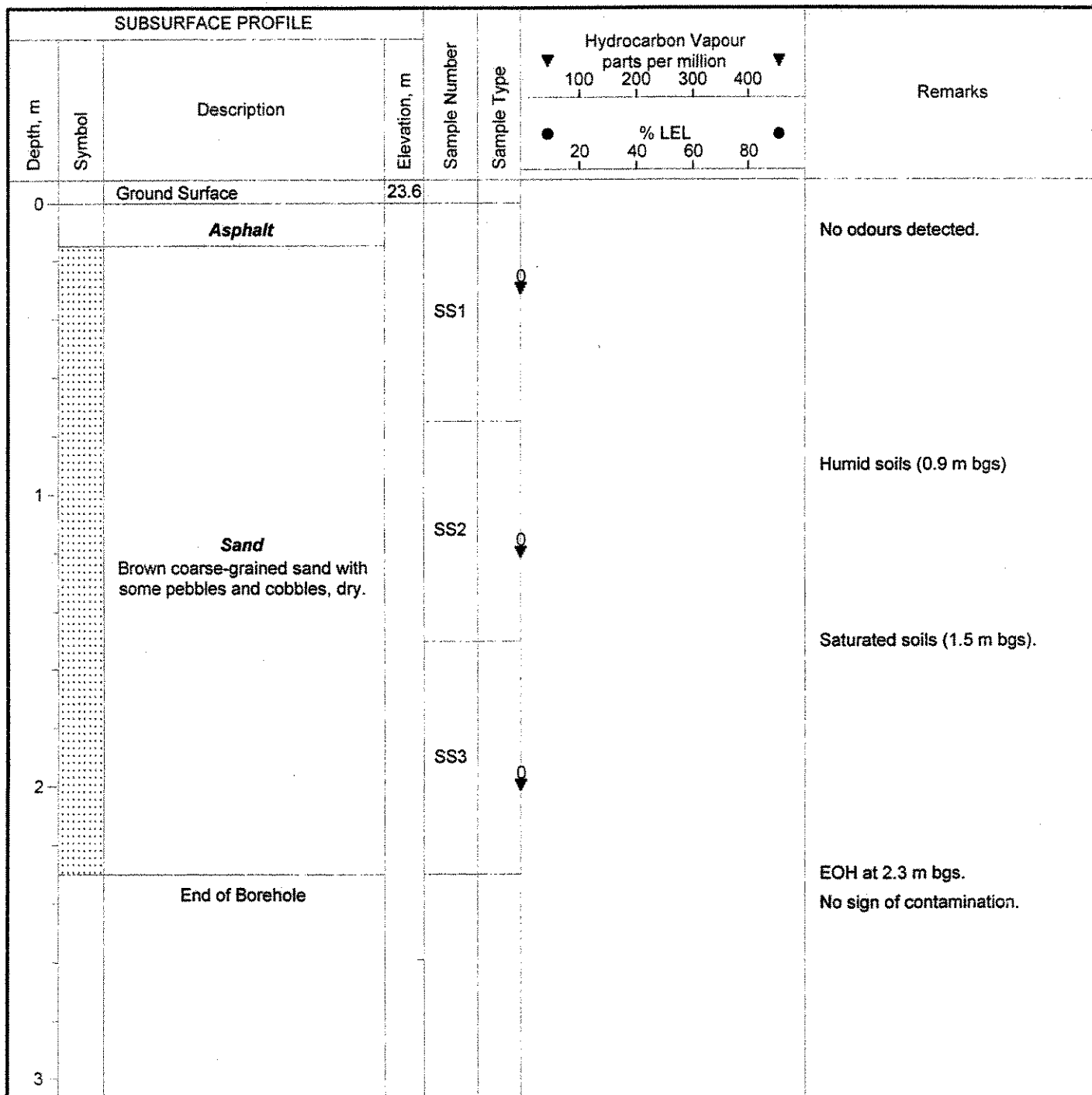
Borehole BH-13

Project: Main Apron, Ph III ESA, Iqaluit Airport

Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch spit spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

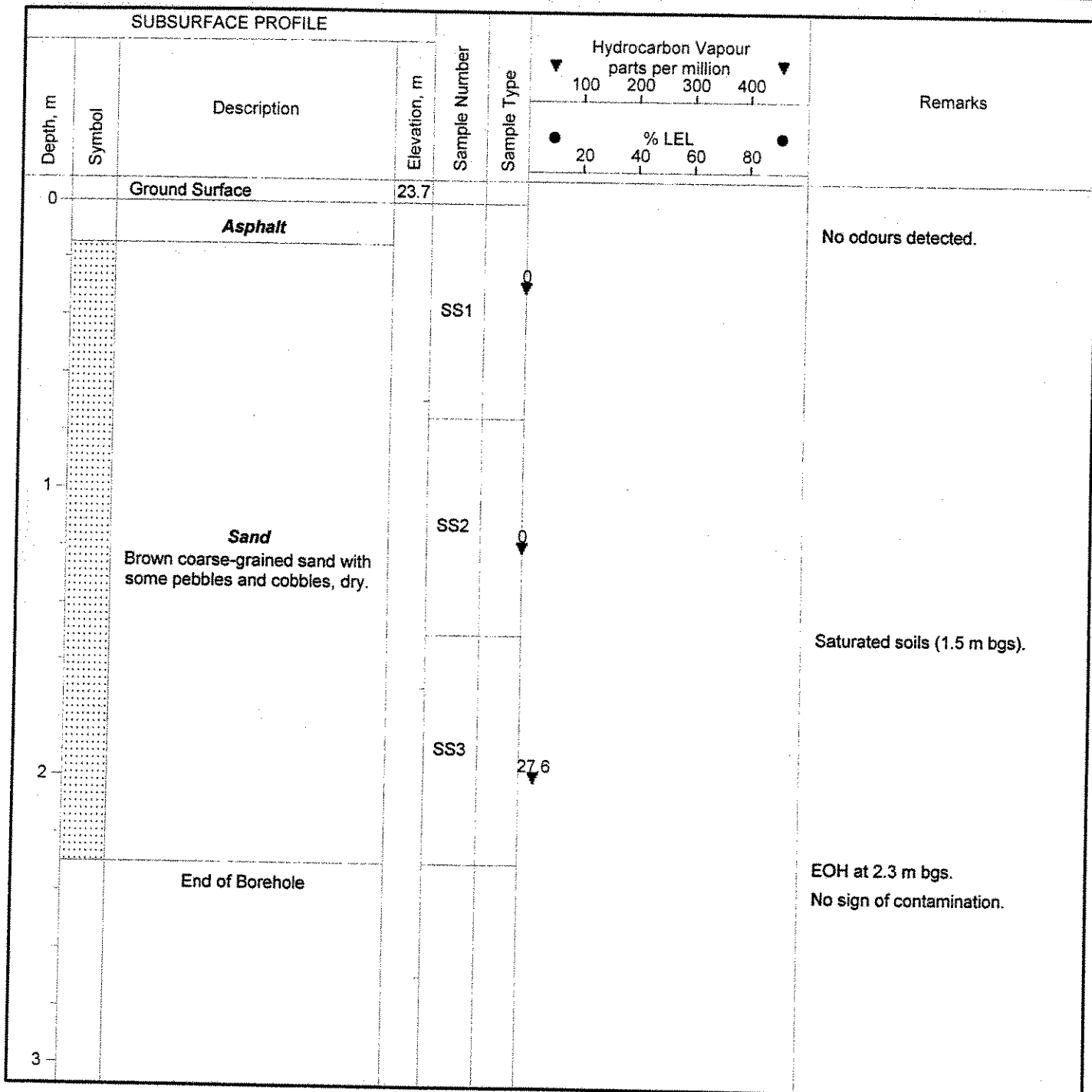
Borehole BH-12

Project: Main Apron, Ph III ESA, Iqaluit Airport

Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

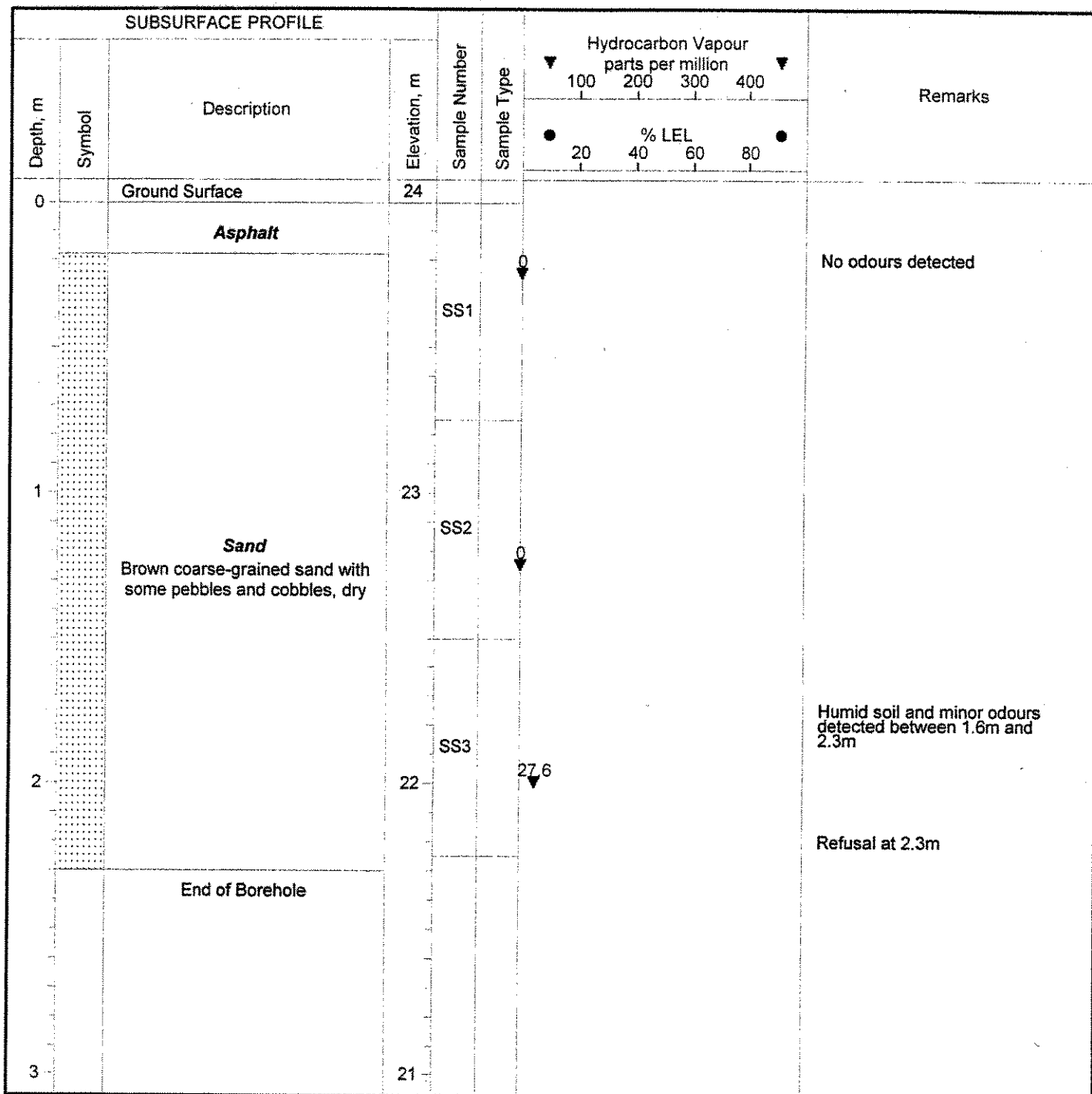
Borehole BH-11

Project: Main Apron, Ph III ESA, Iqaluit Airport

Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Monitoring Well Log

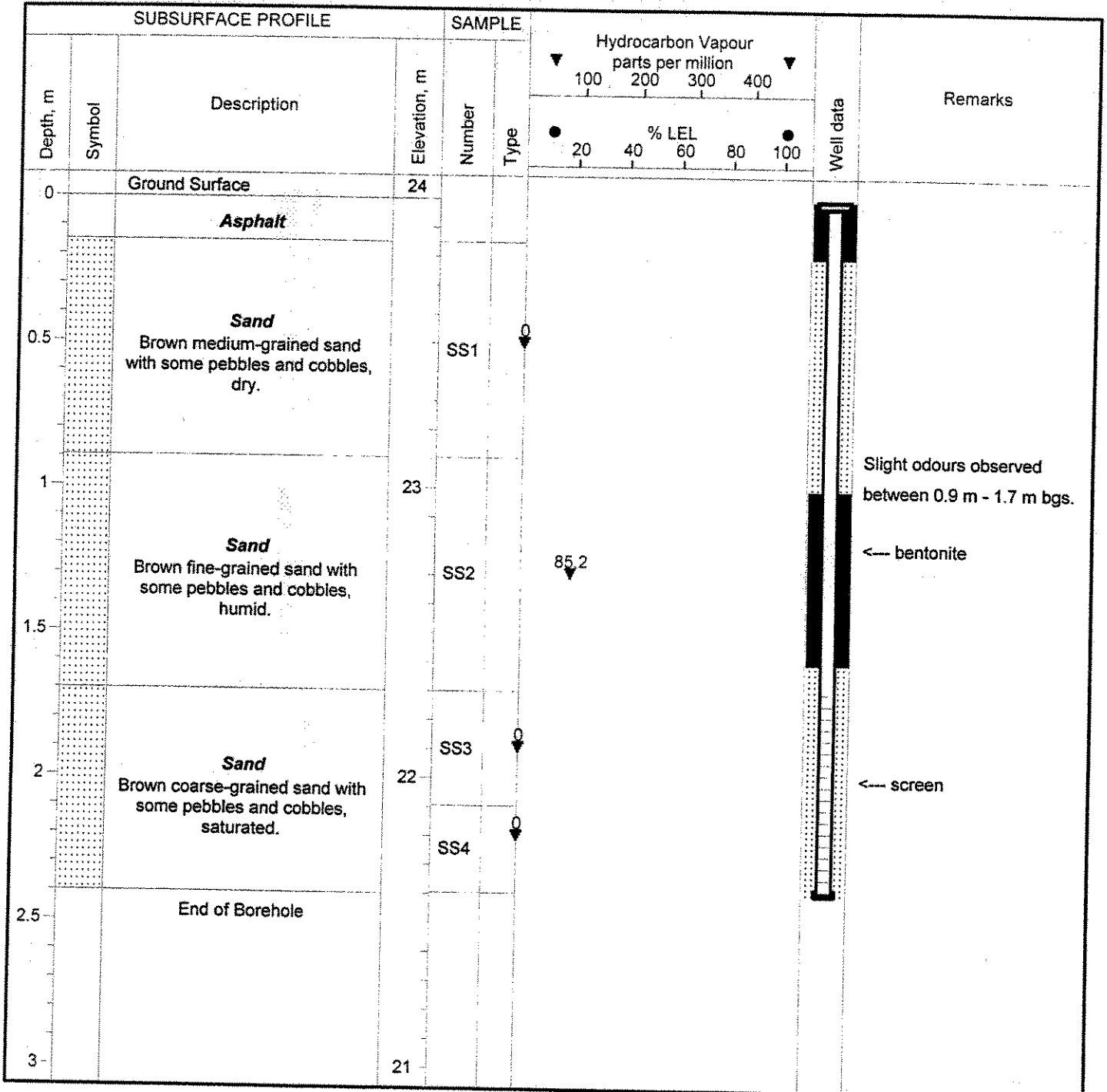
Monitoring Well: BH-10/ MW-10

Project: Main Apron, Ph III ESA, Iqaluit Airport

Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Monitoring Well Log

Monitoring Well: BH-9/ MW-9

Project: Main Apron, Ph III ESA, Iqaluit Airport

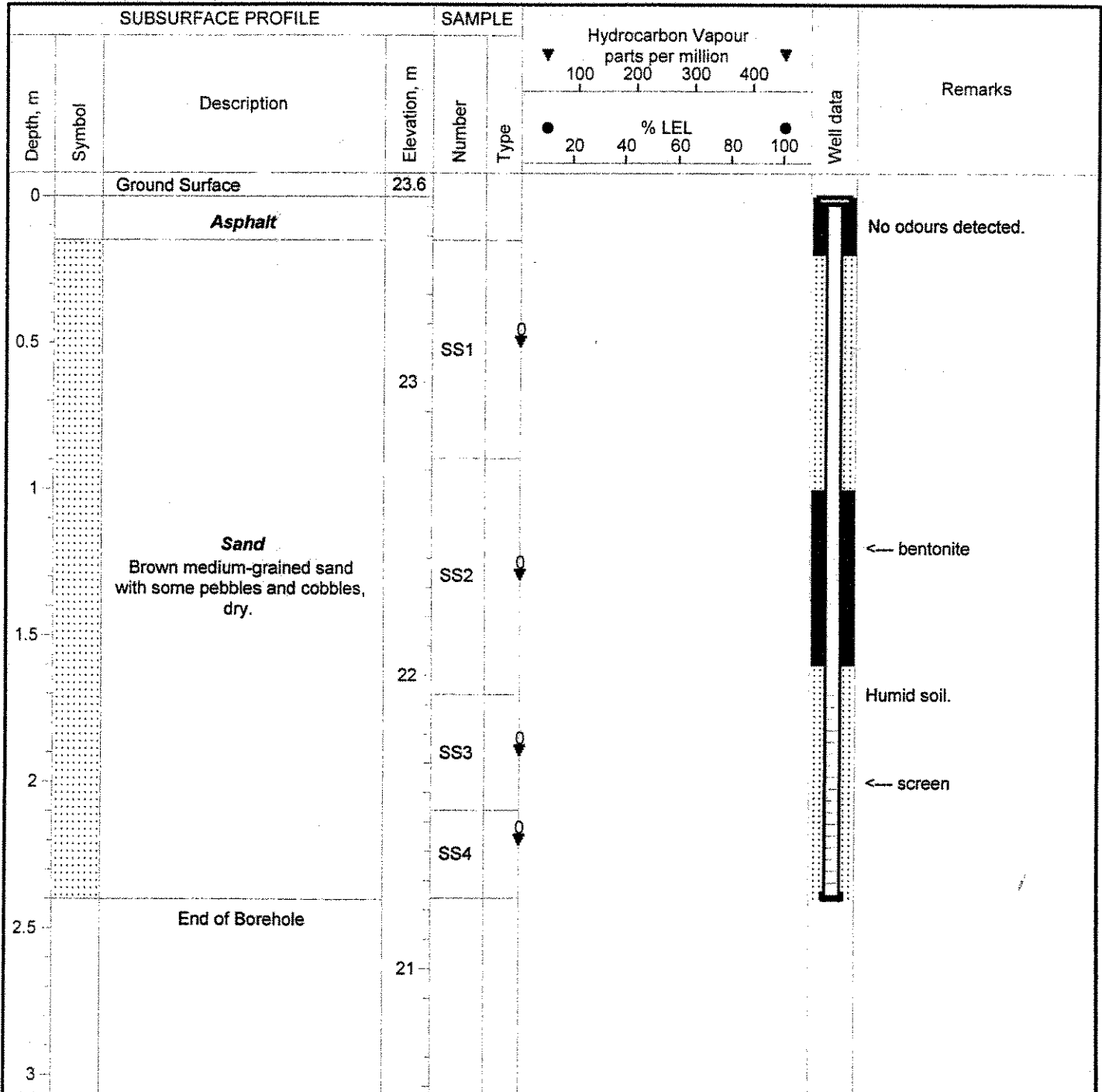
Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



DILLON
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Drilled By: Sonic Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Monitoring Well Log

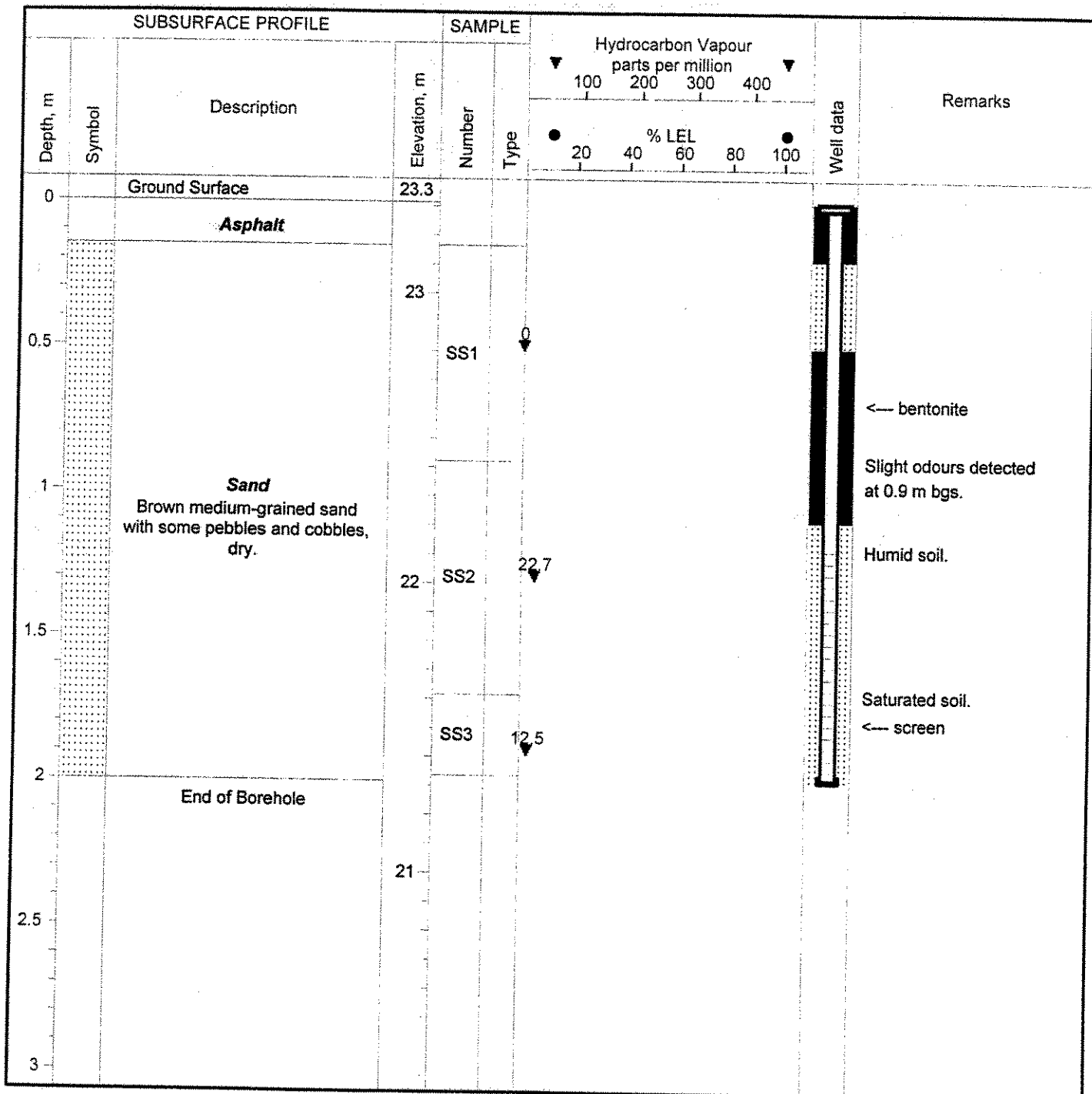
Monitoring Well: BH-8/ MW-8

Project: Main Apron, Ph III ESA, Iqaluit Airport

Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



Drilled By: Sonic Soil Sampling

Drilling Method: Ponjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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Borehole Log

Borehole BH-7

Project: Main Apron, Ph III ESA, Iqaluit Airport

Client: Transport Canada

Project No.: 04-3730

Geoscientist: AG



SUBSURFACE PROFILE					Hydrocarbon Vapour parts per million 100 200 300 400	% LEL 20 40 60 80	Remarks
Depth, m	Symbol	Description	Elevation, m	Sample Number			
0		Ground Surface	23.4				
		Asphalt					No odours detected.
				SS1			
1		Sand Brown medium-grained sand with some pebbles and cobbles, dry.		SS2			
				SS3			
2		End of Borehole					Refusal at 2.0 m bgs.
3							

Drilled By: Sonic Soil Sampling

Drilling Method: Pionjar with 2 inch split spoon

Drilling Date: Sept 23/04

Hole Size: 2 inch

Datum: Geodetic

Sheet: 1 of 1

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