



Ted Wynne Engineering/Contractor, Inc.

417 WELSHWOOD DRIVE • SUITE 114 • NASHVILLE, TN 37211
PHONE: 615- 331-7660 • FAX: 615- 333-0764

August 25, 1999

Mr. Bill Stalker
Tennessee Valley Authority
P.O. Box 292409, Bldg 1, Suite 300
565 Marriott Drive
Nashville, Tennessee 37229-2409

Re: Nashville Zoo at Grassmere
Nashville, Tennessee

This office performed a thermal conductivity test on one(1) 200 feet deep, 6 inch diameter vertical bore, backfilled with Grout 111, August 24, 1999. The following data was derived from test data:

Thermal Conductivity	1.90 BTU/HR-F
Ground Temperature	62.7 F

We feel that based on our observation of the terrain, the above is representative of the area where field bores will be located for this project.

The driller's logs are enclosed herewith.

Please let us know if any additional information is needed.

Sincerely,

TED WYNNE ENGINEERING CONTRACTORS, INC.


Ted Wynne, P.E.

jdh



Received
6-1-99
WD
62-1591652

MID-SOUTH DRILLING, INC.
 P.O. Box 297
 LEBANON, TN 37088-0297
 (615) 444-0423 FAX (615) 444-0427

CUSTOMER'S ORDER NO.		PHONE		DATE	
				5/26/99	
NAME Tennessee Valley Authority Attn: Bill Stalker					
ADDRESS Telco Research Building					
616 Marriott Drive, TRN3L Nashville, TN 37214-2810					
SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MOSE. RET'D
			XX		
QTY.		DESCRIPTION		PRICE	AMOUNT
RE: ZOO JOB HOLE # 1/PARKING LOT 200 ft. 0 to 7 Ft./Dirt 7 to 12 Ft./Dirt & Rock 12 to 200 Ft./Medium to Dark Gray Limestone HOLE # 2/ELEPHANT BARN 200 Ft. 0 to 8 Ft./Dirt 8 to 95 Ft./Medium to Dark Gray Limestone 95 Ft./Broken 96 Ft. to 200 Ft./Sulfer Smell HOLE # 3/MAINTENANCE BUILDING 200 Ft. 0 to 25 Ft./Dirt 25 to 125 Ft./Medium to Dark Gray Limestone 125 Ft./Sulfer Smell 126 Ft. to 200 Ft./Light to Medium Gray Limestone					
RECEIVED BY					
<i>Approved By: David B Lamb</i>					

393-
 0764

1479

All claims and returned goods
MUST be accompanied by this bill.

Thank You!