

# BURNS COOLEY DENNIS, INC.

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### Memorandum

To: Horace Lester, Jr., P.E.  
Fairview Development Services

From: R. C. Ahlrich, Ph.D., P.E. *RC Ahlrich*

Date: February 26, 2007

Subject: Depth to Expansive Clays  
NeuMarkt Development  
Madison County, Mississippi

BCD Project No. 070075

This memorandum provides preliminary results of our field investigation that was conducted for the NeuMarkt commercial development in Gluckstadt community of Madison County. Sevent-two (72) soil borings were made between February 14, and 21, 2007 at locations selected by Fairview Development Services and staked in the field by Sterling Consultants. The attached table presents the depths that expansive clays (CH) were encountered. These depths are based on visual field classifications and should be considered approximate. Soil boring logs will be finalized after laboratory testing and visual classifications are completed.

Boring No.	Depth to Expansive Clays (CH) (ft)
A1	9.0
A2	9.0
A3	5.5
A4	6.5
A5	11.0 (2-4Fill)
A6	2.0
A7	11.0
A8	12.0
A9	12.0

Boring No.	Depth to Expansive Clays (CH) (ft)
B1	9.0
B2	8.5
B3	6.5
B4	6.5
B5	13.0
B6	12.5
B7	6.0
B8	6.5
B9	11.0

Boring No.	Depth to Expansive Clays (CH) (ft)
C1	Too Wet
C2	8.5
C3	9.0
C4	6.0
C5	5.0
C6	7.0
C7	11.0
C8	9.0
C9	11.0
C10	9.0
C11	6.5

Boring No.	Depth to Expansive Clays (CH) (ft)
D1	9.5 (2-4 Fill)
D2	0.0
D3	7.5
D4	5.0
D5	6.5
D6	9.0
D7	9.0
D8	9.0
D9	11.0
D10	6.0
D11	7.5
D12	11.0

Boring No.	Depth to Expansive Clays (CH) (ft)
E1	6.0
E2	6.0
E3	6.5
E4	9.5
E5	11.0
E6	7.5
E7	8.5
E8	6.0
E9	9.0
E10	13.0

Boring No.	Depth to Expansive Clays (CH) (ft)
F1	4.0
F2	5.5
F3	6.5
F4	8.0
F5	7.5
F6	11.0
F7	9.0
F8	7.0
F9	6.5
F10	Too Wet

Boring No.	Depth to Expansive Clays (CH) (ft)
G1	6.0
G2	6.5
G3	6.5
G4	12.5
G5	7.5
G6	9.0
G7	11.0

Boring No.	Depth to Expansive Clays (CH) (ft)
H1	6.0
H2	6.5
H3	8.0
H4	9.5
H5	5.0
H6	11.0