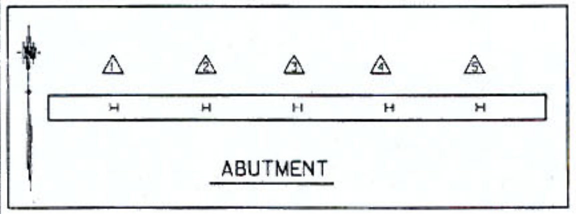
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	99-75 K-6421-01	2003	~~71~~ 71A	169

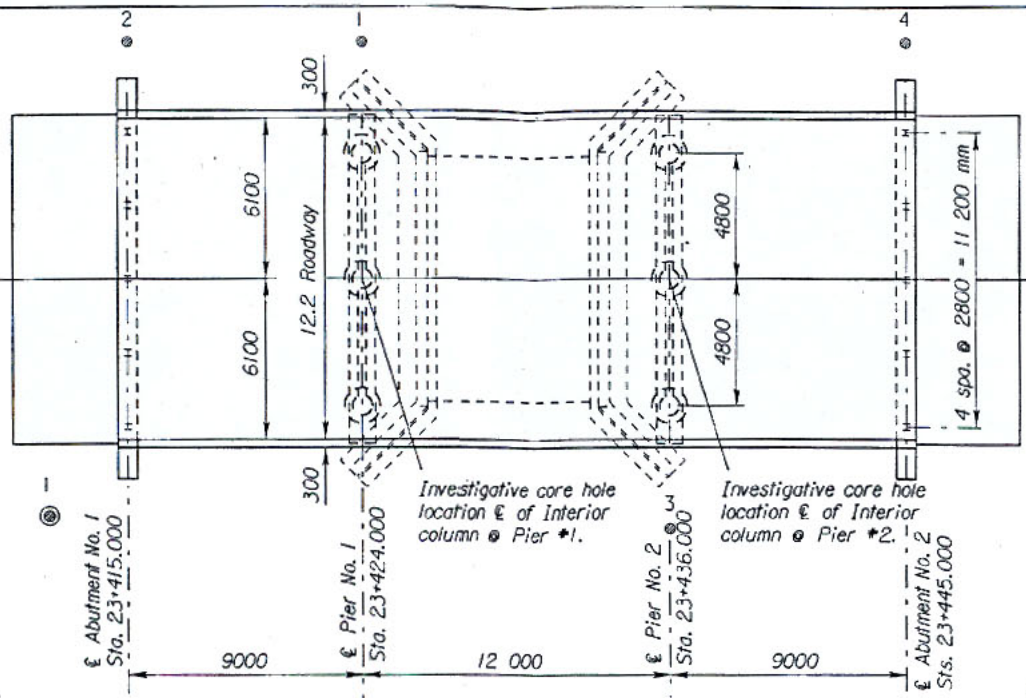
AS BUILT

HAMMER	
Make & Model	Gravity
Weight Hammer	1361 kg
Weight Follow Block	403.7 kg
Average Stroke	2.743 m

LOG OF PILE DRIVING

Footing	Pile No.	Pile Tip Elevation	Refusal kN
Abutment 1	1	346.390	568
	2	346.415	591
	3	346.415	568
	4	346.415	631
	5	346.415	568
Abutment 2	1	346.405	568
	2	346.380	591
	3	346.415	568
	4	346.430	631
	5	346.435	568

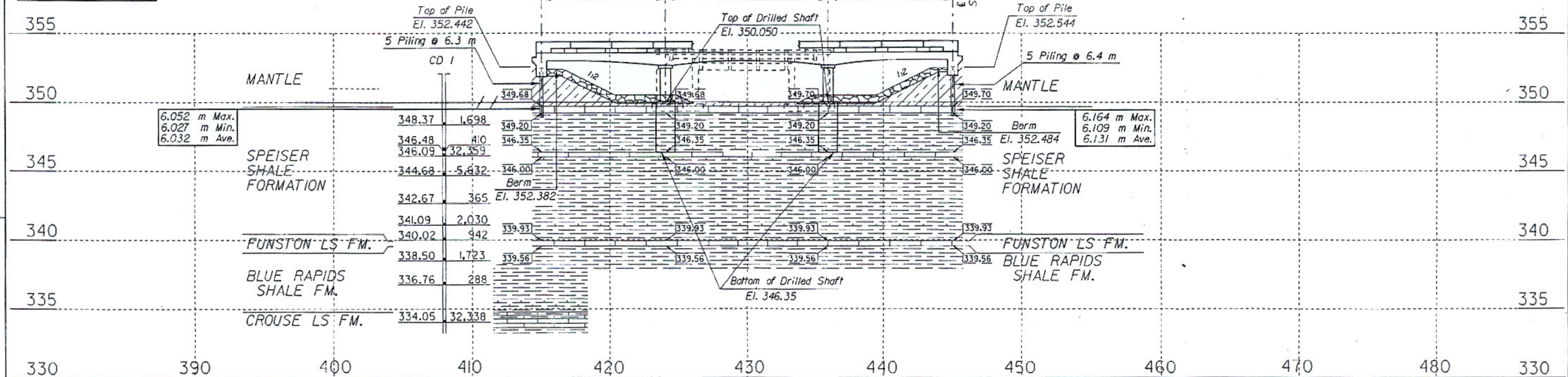




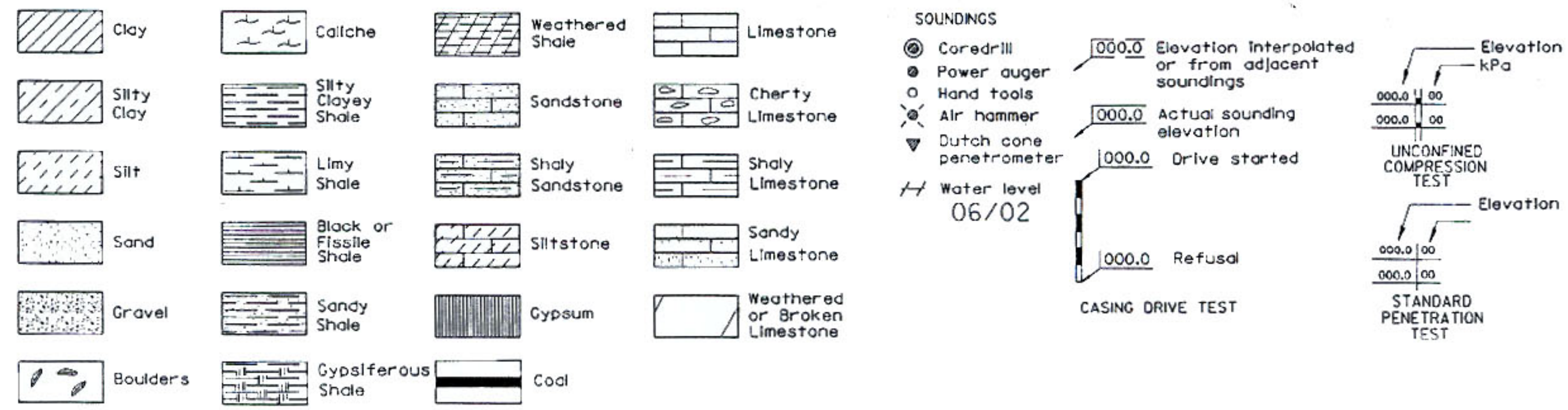
Drilled Shaft Note:
The footing elevations listed will place the shaft sockets on the top of a thin 0.3 m thick limestone bed within the Speiser Shale Formation. Be very careful not to overdrill. A 1.5 m deep test hole, no larger than 102 mm (4 inches) in diameter, should be made in the rock socket of each shaft as part of the acceptance of the founding elevation. This verification test should be done in the presence of the KDOT personnel in charge of the project.

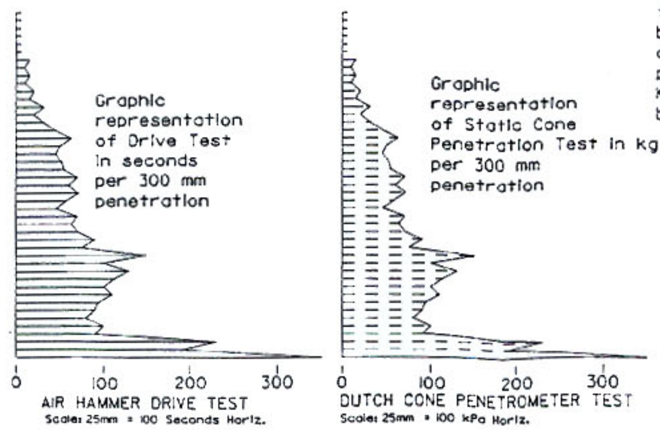
Pre-Drilled Pile Holes:
Provide Pre-Drill pile holes for all piling at both abutments with an inside hole diameter of 400 mm.. Pre-Drill to elevation 346.5 and then drive each pile into the Speiser Shale Formation. All pre-drilled piling shall be backfilled with a loose granular material. Pre-drilled holes shall be drilled to an accuracy that will permit the pile to be set in its true position and not tilted in such a manner as to drive the pile out of position.

Piling:
When sufficient bearing and penetration into competent bedrock are achieved, driving should be stopped to avoid damaging the pile. Final pile tip elevations should be determined in the field based on observed blow counts.



STANDARD GEOLOGIC SYMBOLS GEOLOGIC PROFILE





NOTE: Soundings shown on these plans are taken from notes obtained in the field and represent the best information available. Logs of these soundings are in the files of the Kansas Department of Transportation and are available at their offices at Topeka, Kansas for inspection by interested and qualified bidders.

SCALE: 1:133

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION
BR. NO. 99-75-15.20(057) STA. 23+430.000

ENGINEERING GEOLOGY
K-99 over Rock Creek Drainage

PROJ. NO. 99-75 K-6421-01 POTTAWATOMIE CO.

SHEET NO. OF	SCALE	APP'D	
DESIGNED	DETAILED	QUANTITIES	CADD
DESIGN CK.	DETAIL CK.	QUAN. CK.	CADD CK.

DTOEF05/GEOLOGY/6421I520.DGN

Plotted By: jank | Plot Location: Bridge Design
File: \\DTOOMHI7\Projects\Working\K642101\Bridge\Asbuilt Geology\K642101-057-12bb.dgn
Plot Date: 11-AUG-2004 14:58