

SYMBOL	MEMBER	DESCRIPTION	THICKNESS		
86	JOHNSON SHALE	86 Shale, limy, gray, blocky, weathers gray-green. *(R)	8.1'		
87		87 Shale, maroon, blocky, weathers maroon *(R)	1.1'		
88		88 Shale, dark gray, blocky, weathers gray-green, limy nodules. *(R)	3.4'		
89		89 Limestone, shaly, gray, blocky, weathers tan. *(R)	0.3'		
90		90 Shale, gray, blocky, weathers gray-green, limy nodules. *(R)	3.1'	16.0'	
91	LONG CREEK SHALE	91 Limestone, tan, blocky to platy, weathers tan, water carrier, honey-combed, irregular, top and base. (R)	6.2'	6.2'	
92	HUGHES CREEK SHALE	92 Shale, dark gray, blocky, weathers gray-green, contains some limy stringers and nodules. *(R)	9.5'		
93		93 Limestone, shaly, gray, blocky, weathers tan-gray. *(R)	1.2'		
94		94 Shale, dark blue-gray, blocky, weathers gray. *(R)	2.4'		
95		95 Limestone, shaly, gray, blocky, weathers gray. *(R)	0.3'		
96		96 Shale, dark blue-gray, blocky, weathers gray. *(R)	0.9'		
97		97 Shale, limy, gray, blocky, weathers gray. *(R)	3.8'		
98		98 Shale, dark blue-gray, blocky, weathers gray. *(R)	0.7'		
99		99 Limestone, shaly, gray, blocky, weathers gray. *(R)	0.9'		
100			100 Shale, dark blue-gray, blocky, weathers gray. *(R)	12.0'	31.7'
101		AMERICUS LIMESTONE	101 Limestone, gray, unit-bedded, weathers gray. (R)	1.2	1.2'
102	OAKS SHALE	102 Shale, gray, blocky, weathers tan-green. *(R)	12.2'+	12.2'+	
103	HOUGHEN CR. LIMESTONE	103 Limestone, yellow-brown, blocky, impure, weathers yellow-brown. (R)	1.9'	1.9'	
104	STINE FORMATION	104 Shale, gray, platy, weathers gray-green, limy nodules throughout. *(R)	4.5'		
105		105 Shale, limy, maroon, platy, weathers maroon. *(R)	0.2'		
106		106 Shale, limy, green, blocky, weathers tan-green. *(R)	1.4'		
107		107 Shale, micaceous, gray, platy, weathers tan-green. *(R)	2.4'		
108		108 Limestone, shaly, gray, blocky, weathers tan-gray, water carrier *(R)	0.3'		
109		109 Shale, gray, blocky, weathers tan-gray *(R)	3.2'		
110		110 Shale, maroon, blocky, weathers maroon. *(R)	0.9'		
111		111 Shale, gray, blocky, weathers gray-green *(R)	0.5'		
112		112 Limestone, gray, blocky, weathers tan. *(R)	0.8'		
113			113 Shale, limy, green, blocky, weathers gray-green, contains shaly limestone zones. *(R)	6.1'	27.1'
114	FIVE POINT LIMESTONE	114 Limestone, gray, blocky, weathers gray. *(R)	1.0±		
115		115 Shale, gray, blocky, weathers gray-green. *(R)	4.1±		
116		116 Limestone, gray, blocky, weathers gray. (R)	1.8±	51' to 6.9'	
117	WEST BRANCH SHALE	117 Shale, maroon, gray, and green, blocky, weathers vari-colored. *(R)	8.6'		
118		118 Shale, gray, blocky, weathers gray-green. *(R)	10.2'	18.8'	

SYMBOL	MEMBER	DESCRIPTION	THICKNESS	
119	FALL CITY LIMESTONE	119 Limestone, gray, blocky, weathers gray. (R)	1.8'	1.8'
120	HAWXBY SHALE	120 Shale, gray, blocky, weathers gray-green. *(R)	9.4'	
121		121 Shale, limy, gray, blocky, weathers gray. *(R)	1.0'	10.4'
122	ASPINWALL LIMESTONE	122 Limestone, gray, blocky. (R)	2.0'	2.0'
123	TOWLE SHALE	123 Shale, limy, gray, platy, weathers gray. *(R)	3.2'	
124		124 Shale, maroon, platy, weathers maroon *(R)	1.0'	
125		125 Sandstone, maroon, fine-grained. *(R)	0.8'	
126		126 Shale, limy, green, platy, weathers tan-green. *(R)	0.5'	
127		127 Limestone, shaly, light green, blocky. *(R)	1.0'	
128		128 Shale, maroon, platy, weathers maroon *(R)	8.9'	
129		129 Shale, green, platy, weathers tan-green *(R)	3.5'	
130	BROWNVILLE LIMESTONE	130 Sandstone, gray green, fine-grained. *(R)	1.9'	
131		131 Shale, gray, platy, weathers tan-gray. *(R)	4.2'	
132		132 Shale, black, fissile, weathers dark gray. *(R)	0.5'	
133		133 Shale, gray, platy, weathers light gray. *(R)	0.8'	28.3'
134		134 Limestone, rust-brown, blocky. (R)	1.7'	1.7'
135	PONY CREEK SHALE	135 Shale, blue-gray, platy, weathers tan-gray-green, contains thin sandstone zones. *(R)	40.±	
136		136 Alternating sandstone and shale, sandstone fine-grained, gray, weathers tan-brown, shale is platy, weathers tan-clayey. This material in channel filling and is Pony Creek in age. *(R)	200.0±	200.0±
137	WILLARD SHALE	137 Shale, blue-gray, platy. *(R)	29.0±	29.0±
138	ELMONT LIMESTONE	138 Limestone, gray, blocky, weathers light gray-brown, fossiliferous. (R)	2.4'	
139		139 Shale, limy green blocky, weathers gray. *(R)	0.5'	
140		140 Limestone, gray, platy, weathers gray-green. (R)	0.6'	3.5'
	HARVEYVILLE SHALE			

SYMBOL	MEMBER	DESCRIPTION	THICKNESS	
141	HARVEYVILLE SHALE	141 Shale, gray-green, platy, weathers tan-green, clayey, slick. *(R)	9.6'	9.6'
142	READING LIMESTONE	142 Limestone, brown, blocky, weathers rust-brown, fossiliferous, contains two horizontal partings, vertical joints are 3.0' to 6.0' apart. (R)	2.6'	2.6'
143	AUBURN SHALE	143 Shale, limy, gray, platy, weathers tan-gray. *(R)	26.9'	
144		144 Limestone, gray, blocky. (R)	0.5'	26.9'
145	WAKARUSA LIMESTONE	145 Shale, limy, gray, blocky, weathers gray-green. (R)	0.7'	
146		146 Limestone, gray, blocky. (R)	1.2'	2.4'
147	SOLDIER CREEK SHALE	147 Shale, gray, blocky, weathers gray-green. *(R)	1.8±	1.8±

GEOLOGICAL COLUMNAR SECTION  
 Scale: 1" = 5'  
 \* Common where weathered (See Cross Sections)

3					
2					
1					
NO.	DATE	REVISIONS	BY	APP'D	

STATE HIGHWAY COMMISSION OF KANSAS  
 GEOLOGICAL  
 PLAN AND PROFILE  
 POTTAWATOMIE COUNTY  
 PROJ. 16-75-S-1305 (2)

SHEET NO. 1 OF 9	SCALE 1" = 5'	APP'D	
DESIGNED	DETAILED	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.