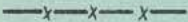
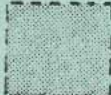


APPENDIX III

The following Site Data Forms are designated as Prospective Sites; Sampled. The sites described herein are depicted on the county materials maps as a "▼".

LEGEND

	Fence		Farm site
	Trail or lane		Open materials site
	Railroad		Prospective materials site
	Road		Center of section
	Hedge or trees		Cemetery
	Major streams		School
	Intermittent streams		Church
	Pond or lake		Town or city

Pg Date January 1966

Limestone Brown

SE $\frac{1}{4}$, SE $\frac{1}{4}$	18	1S	15E
-------------------------------------	----	----	-----

Owner Louis J. Fulton name 1223 Oregon St., Sabetha, Kansas address

Nature of Deposit Dry Accessibility _____

Status of Site	
Prospective site; sampled	

EXPLORATION DATA

[illegible]

CORRELATION DATA

Geological Age Permian

Grenola Limestone

Material Similar To _____ Material reported on S.H.C.

619 No. 7-31 and Lab. No. 27643

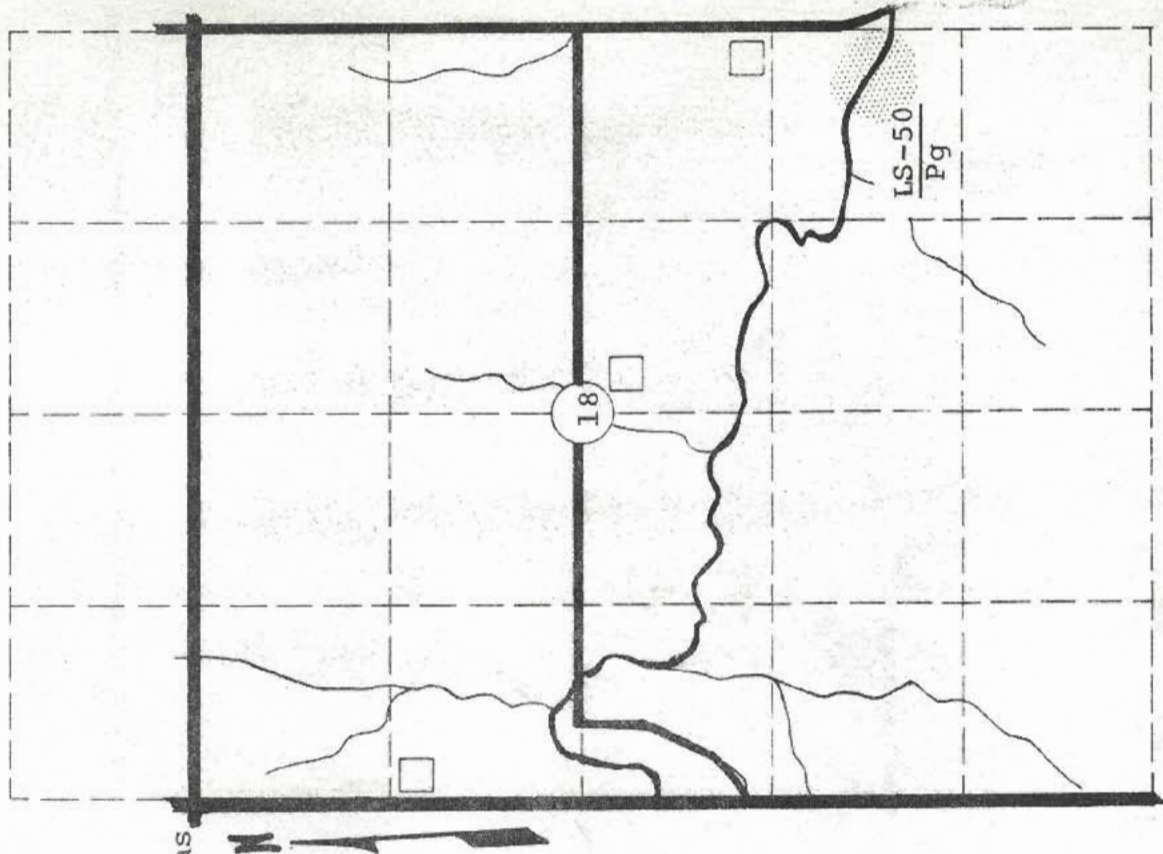
Specific Gravity (Sat.) 2.31 2.19
(Dry)

50.0 B

Absorption	5.74	Soundness	0.94
------------	------	-----------	------

Wt. Cu. Ft. _____ Str. Ratio _____

Remarks _____



Scale: 1" = $\frac{1}{4}$ mile

MATERIAL SURVEY REPORT

LS-51
Pg

Site No. _____ Date January 1966

Material Limestone County Brown

Location NE $\frac{1}{4}$ Sec. 9 Twp. 3S Range 15E

Owner A. H. Trentman name _____

Nature of Deposit Dry Accessibility Good

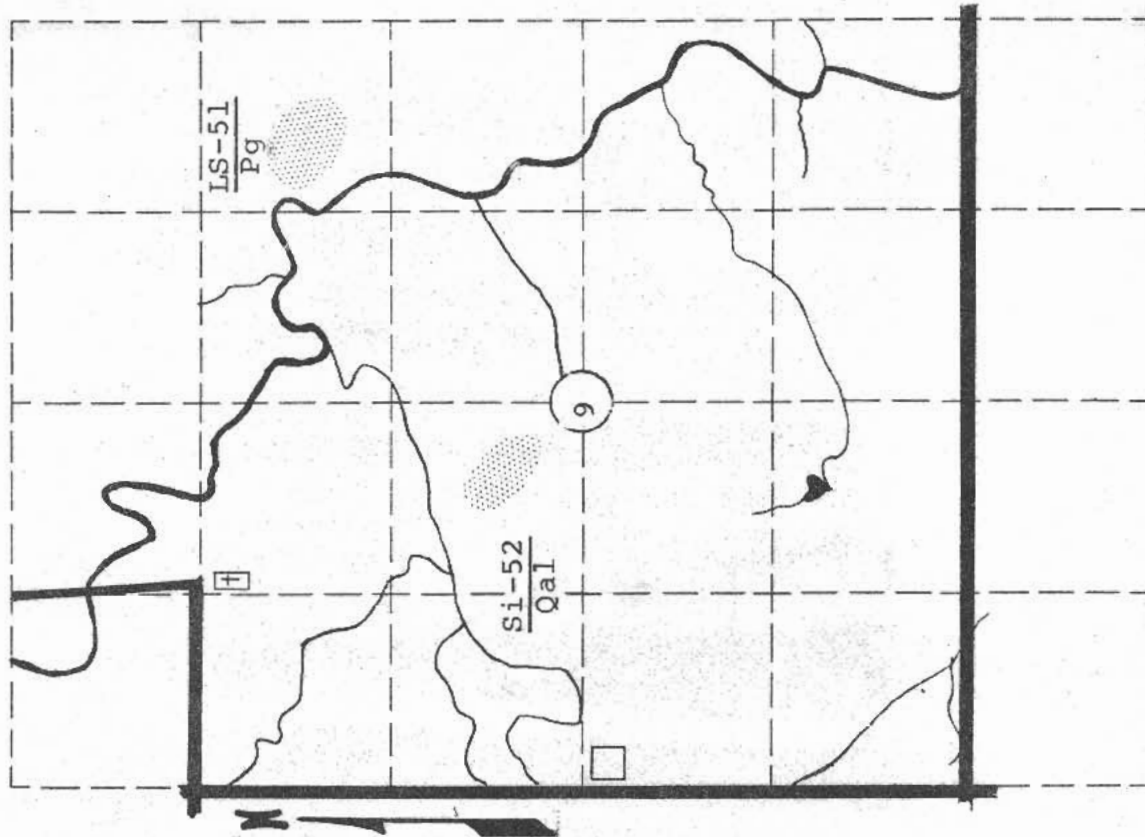
Status of Site Prospective site; sampled

EXPLORATION DATA

[illegible]

CORRELATION DATA

Geological Age Permian
Geological Source Grenola Limestone
Material Similar to Material reported on SHC 619 No. 7-15
and Lab No. 87176
Specific Gravity (Sat.) 2.36 (Dry) 2.21
Los Angeles Year 35.7 (B)
Absorption _____ Soundness 0.90
Mt. Cu. Ft. _____ Str. Ratio _____
Remarks _____



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

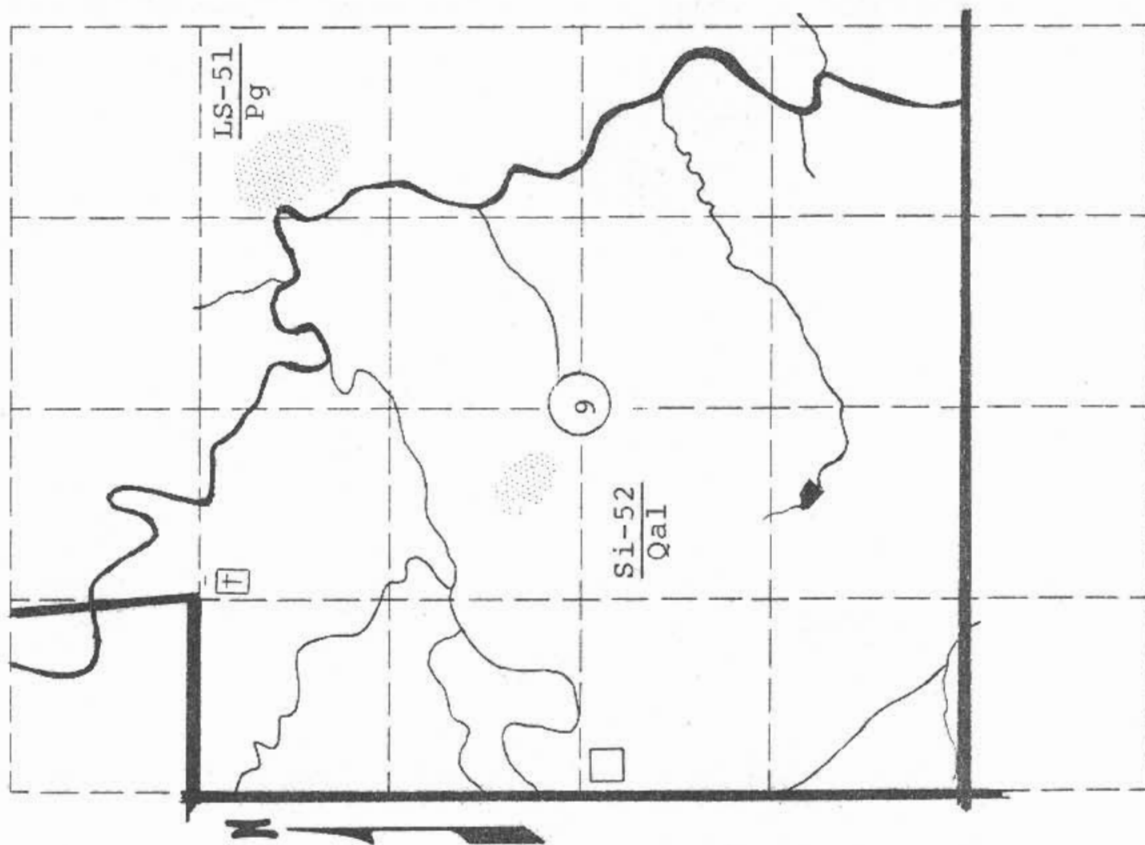
Site No. Si-52 Date January 1966
Qal
 Material Silt County Brown
 Location SE 1/4 NW 1/4 Sec. 9 Twp. 3S Range 15E
 Owner Wendell Tyler 206 N. 14th, Sabetha, Kansas
 Name address
 Nature of Deposit Dry Accessibility Good
 Status of Site Prospective site; sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of over-burden	Depth of Material	Percent Retained								Wash 200	G. F.	L. L.	P. I.
				1 1/2	3/4	3/8	4	8	16	30	50	100			
1	SIC	1.5								0	1	3	91	35	14
2	SIC	1.5							0	1	2	6	89	35	15
3	SIC	1.5									0	1	96	35	12

CORRELATION DATA

Geological Age Quaternary
 Geological Source Alluvium
 Material Similar To Material reported on SHC Form 619
 No. 7-17
 Specific Gravity (Sat.) _____ (dry) _____
 Los Angeles Wear _____
 Absorption _____ Soundness _____
 Mt. Cu. ft. _____ Str. Ratio _____
 Remarks _____



Scale: 1" = 1/4 Mile

MATERIAL SURVEY REPORT

LS+53

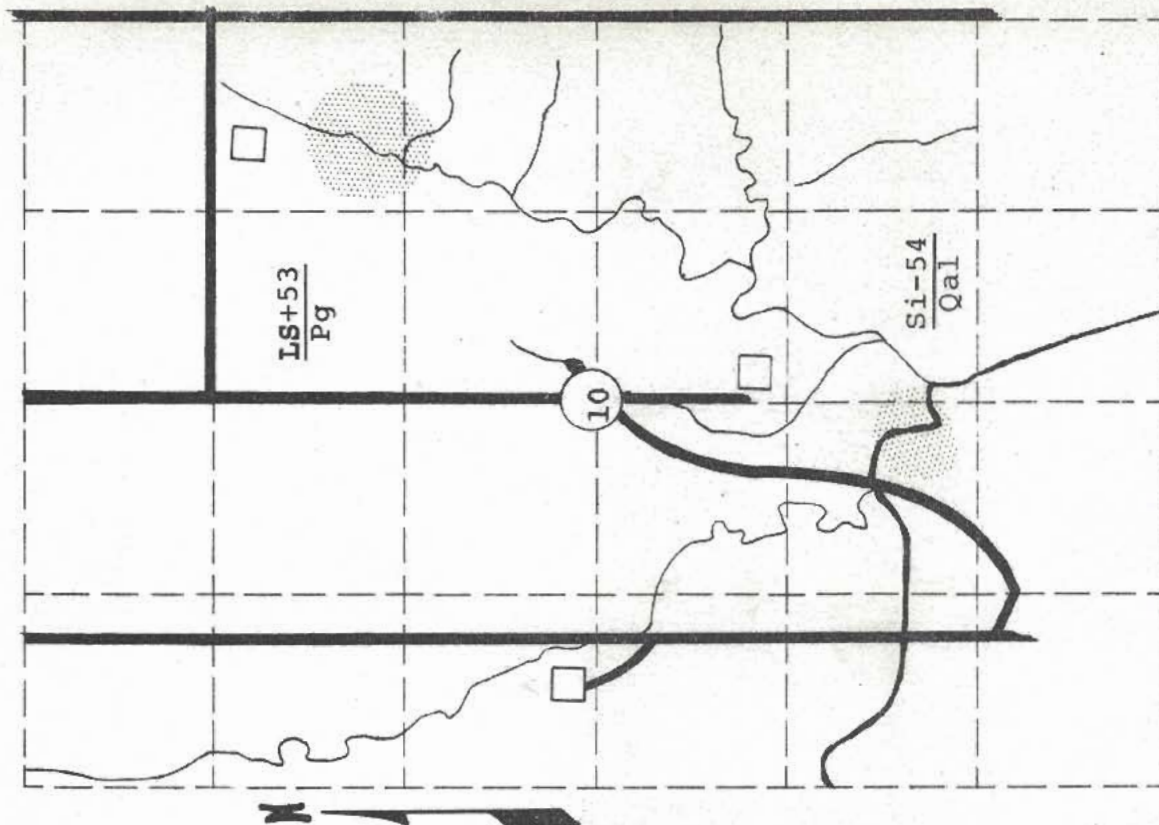
Site No. Pg Date January 1966
Material Limestone County Brown
Location NE $\frac{1}{4}$ Sec. 10 Twp. 3S Range 15E
Owner Harold H. Trentman Fairview, Kansas
name address
Nature of Deposit Dry Accessibility Good
Status at site Prospective site, sampled

EXPLORATION DATA

[illegible]

CORRELATION DATA

Geological Age Permian
Geological Source Grenola Limestone
Material Similar To Material reported on SHC 619 No. 7-14
and Lab Nos. 84908, 84909, 14655
Specific Gravity (Sat.) 2.42, 2.41, 2.36 (Dry) 2.22
Los Angeles Weir 35.60 (B), 31.7 (B), 36.9 (B)
Absorption 4.80, 5.40, 6.51 Soundness 0.92, 0.92, 0.88
Wt. Cu.Ft. _____ Str. Ratio _____
Remarks _____



Scale: 1" = $\frac{1}{4}$ Mile

MATERIAL SURVEY REPORT

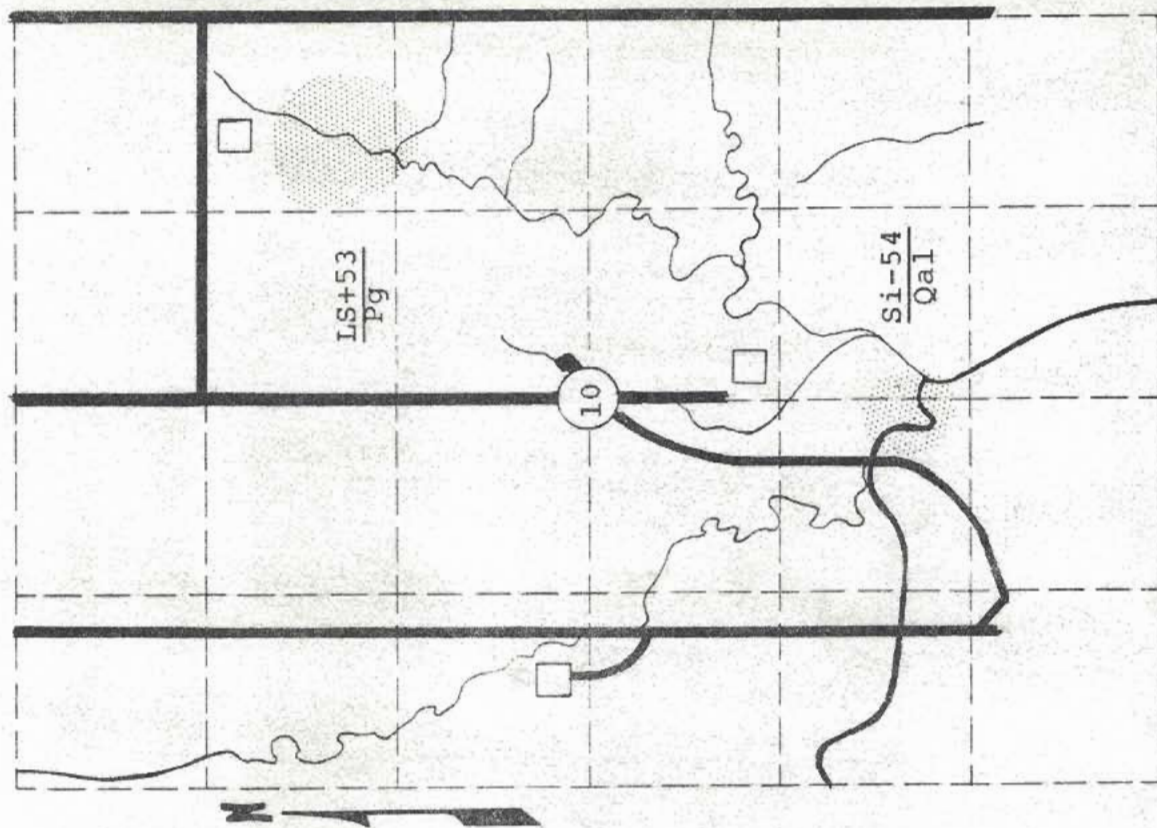
Site No. Si-54
Pg
 Date January 1966
 Material Silt
 County Brown
 Location SE 1/4 SW 1/4
 Sec. 10 Twp. 3S Range 15E
 Owner Wilbert E. Koch
 name address
 Fairview, Kansas
 Nature of Deposit Dry Accessibility Poor
 Status of Site Prospective site, sampled

EXPLORATION DATA

Test Hole	Material at Bottom of Hole	Depth of overburden	Depth of Material	Percent Retained								Wash 200	G.F.	L.L.	P.L.
				1 1/2	3/4	3/8	4	8	16	30	50	100			
4	SIC	1.5							0	1	5	11	82	32	11
5	SIC	1.5							0	2	5	91		35	13
6	SIC	1.5							0	1	2	96		34	12

CORRELATION DATA

Geological Age Quaternary
 Geological Source Alluvium
 Material Similar To Material reported on SHC Form 619
No. 7-16
 Specific Gravity (sat.) _____ (dry) _____
 Los Angeles Wear _____
 Absorption _____ Soundness _____
 Wt. Cu.Ft. _____ Str. Ratio _____
 Remarks _____



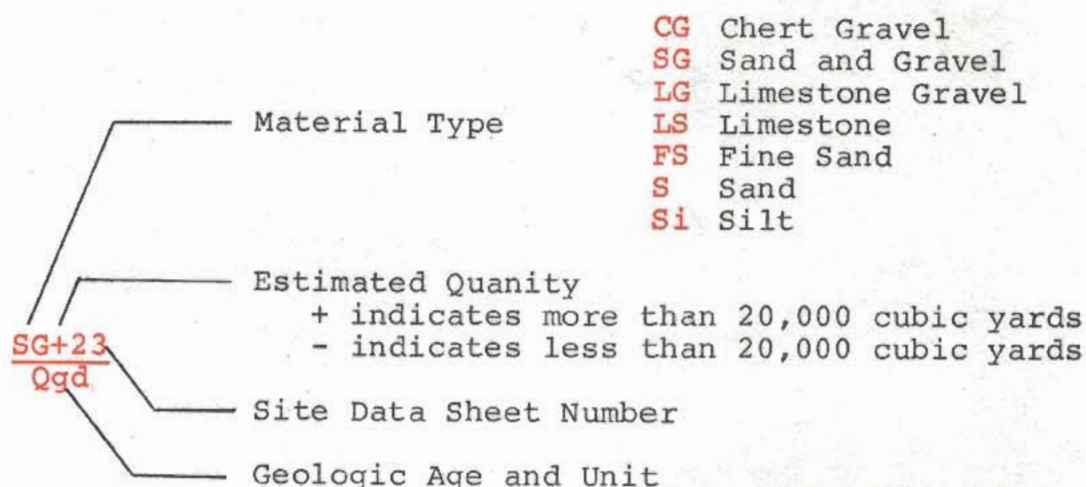
Scale: 1" = 1/4 Mile

BROWN COUNTY MATERIALS

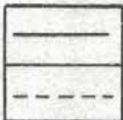
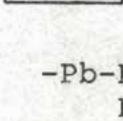
MAP LEGEND

EXPLANATIONS OF MATERIALS SITE DESIGNATIONS

- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▼ Prospective site; sampled (See Appendix III)



EXPLANATION OF MAP SYMBOLS

	Qal Alluvium		Exposed Limestone
	Prospective Limestone Gravel		Unexposed Limestone
	Tt Tertiary	-Pb-Permian Beattie Limestone Formation	
	Qgd Glacial Drift	-Pg-Permian Granola Limestone Formation	
		-Tt-Pennsylvannian Tarkio Limestone Member	
		-Pb-Pennsylvanian Berm Limestone Formation	

Scale: 1 0 1 2 3 4 Miles

prepared by the

STATE HIGHWAY COMMISSION OF KANSAS

in cooperation with the

U. S. DEPARTMENT OF COMMERCE

BUREAU OF PUBLIC ROADS

NEBRASKA

R 15 W

RICHARDSON

R 15 W
R 16 W

COUNTY

R 16 W

T 1 S

COUNTY

NEMAHA



BROWN
COUNTY

T 1 S
T 2 S

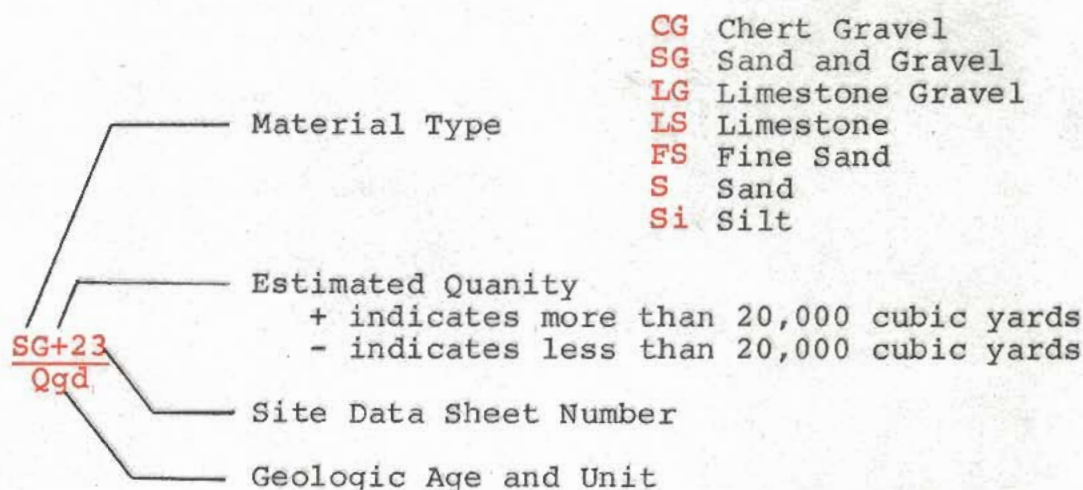
PLATE I

BROWN COUNTY MATERIALS

MAP LEGEND

EXPLANATIONS OF MATERIALS SITE DESIGNATIONS

- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▼ Prospective site; sampled (See Appendix III)



EXPLANATION OF MAP SYMBOLS



Qal Alluvium
Tt Prospective Limestone Gravel



Tt Tertiary



Qgd Glacial Drift



Exposed Limestone
Unexposed Limestone

-Pb-Permian Beattie Limestone Formation
-Pg-Permian Granola Limestone Formation
-Pt-Pennsylvannian Tarkio Limestone Member
-Pb-Pennsylvanian Berm Limestone Formation

Scale: 1 0 1 2 3 4 Miles

prepared by the

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U. S. DEPARTMENT OF COMMERCE

BUREAU OF PUBLIC ROADS

NEBRASKA

R 17 E

RICHADSON

R 17 E
R 18 E

COUNTY

R 18 E

T 1 S

COUNTY

DONIPHAN

T 1 S
T 2 S

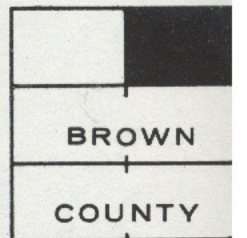
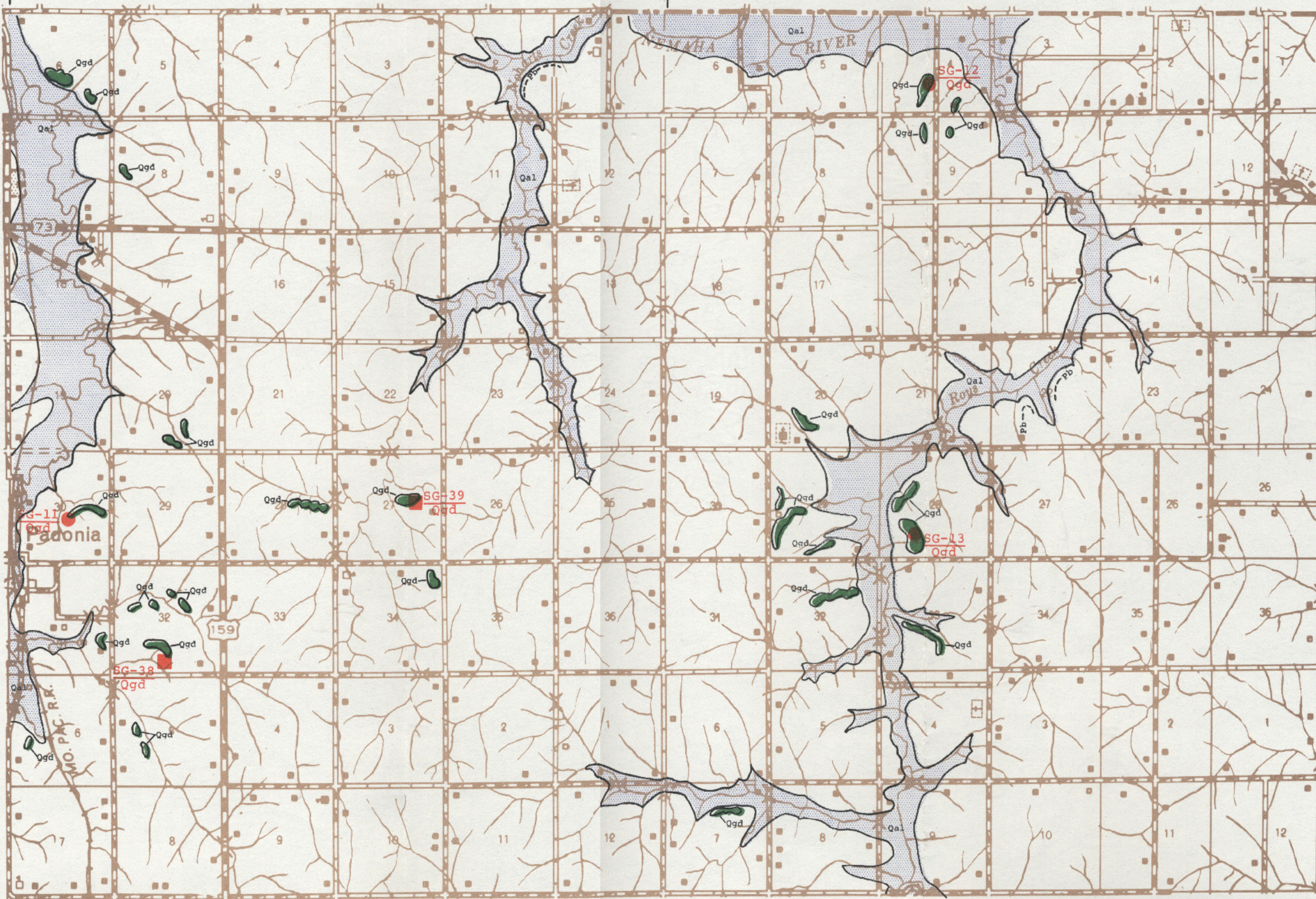


PLATE II

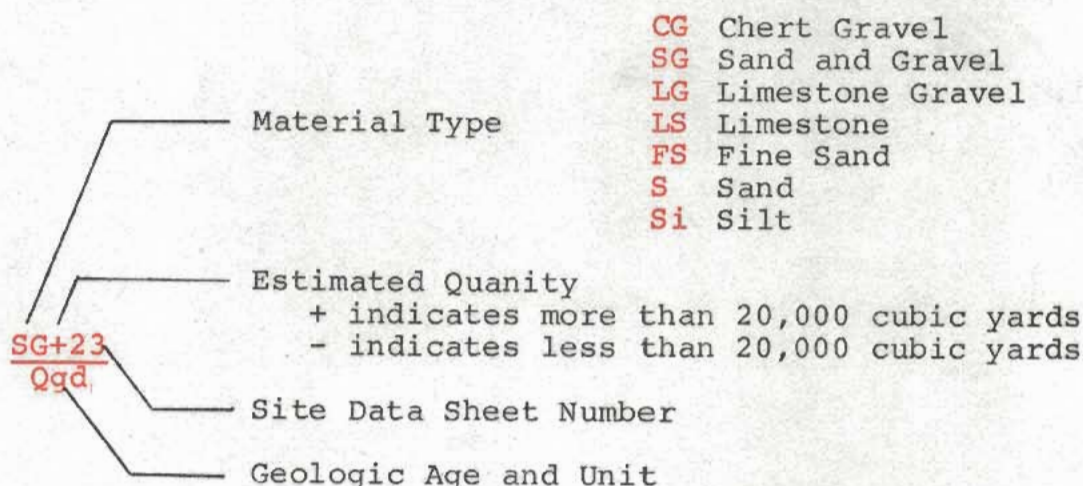


BROWN COUNTY MATERIALS

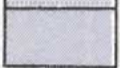
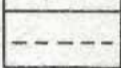
MAP LEGEND

EXPLANATIONS OF MATERIALS SITE DESIGNATIONS

- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▼ Prospective site; sampled (See Appendix III)



EXPLANATION OF MAP SYMBOLS

	Qal Alluvium		Exposed Limestone
	Prospective Limestone Gravel		Unexposed Limestone
	Tt Teriary	-Pb-Permian Beattie Limestone Formation	
	Qgd Glacial Drift	-Pg-Permian Granola Limestone Formation	
		-Pt-Pennsylvannian Tarkio Limestone Member	
		-Pb-Pennsylvanian Berm Limestone Formation	

Scale: 1 0 1 2 3 4 Miles

prepared by the

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BUREAU OF PUBLIC ROADS

COUNTY

NEMAHA

R 15 E

R 15 E
R 16 E

R 16 E

T 2 S
T 3 S

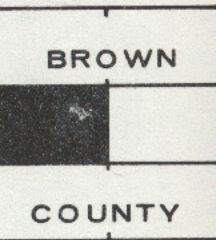
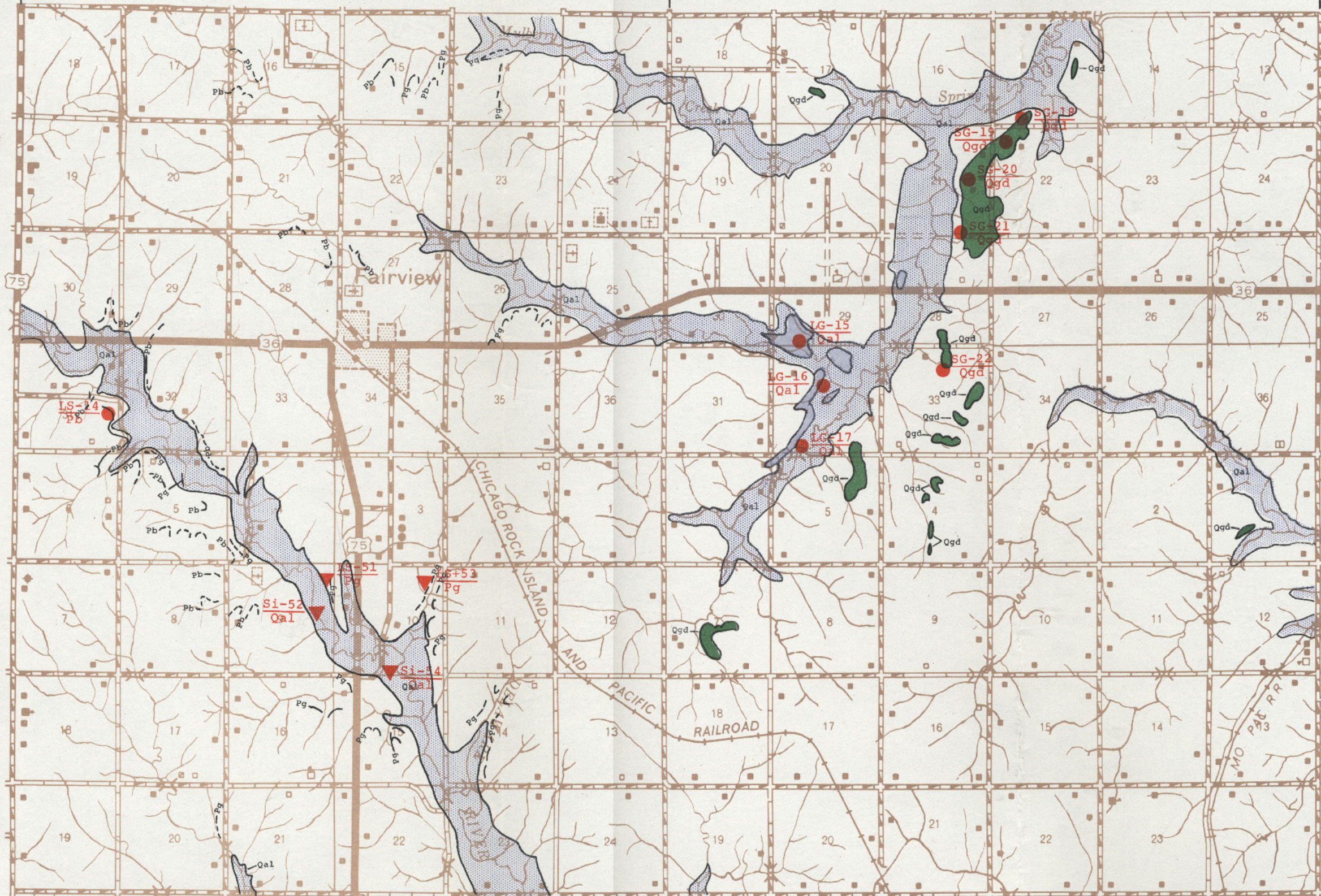


PLATE III

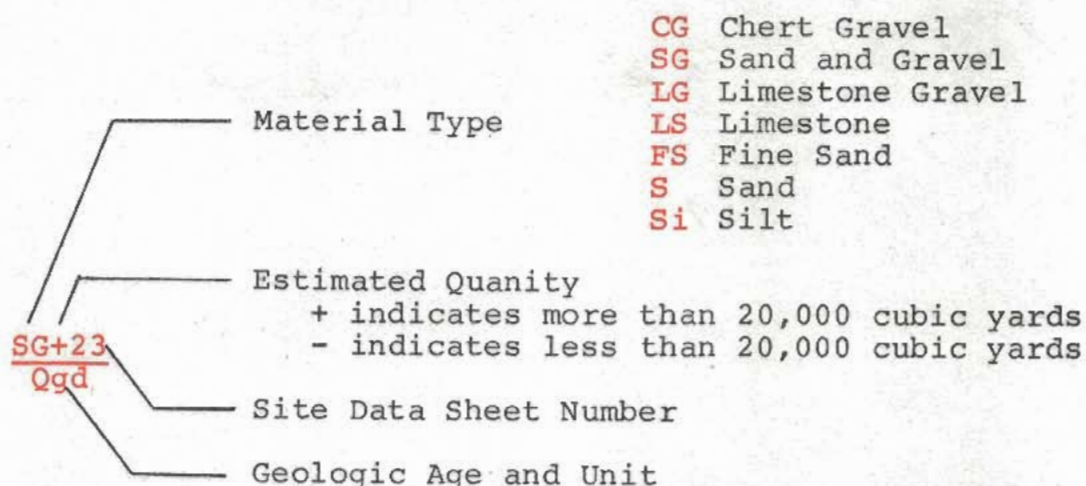


BROWN COUNTY MATERIALS

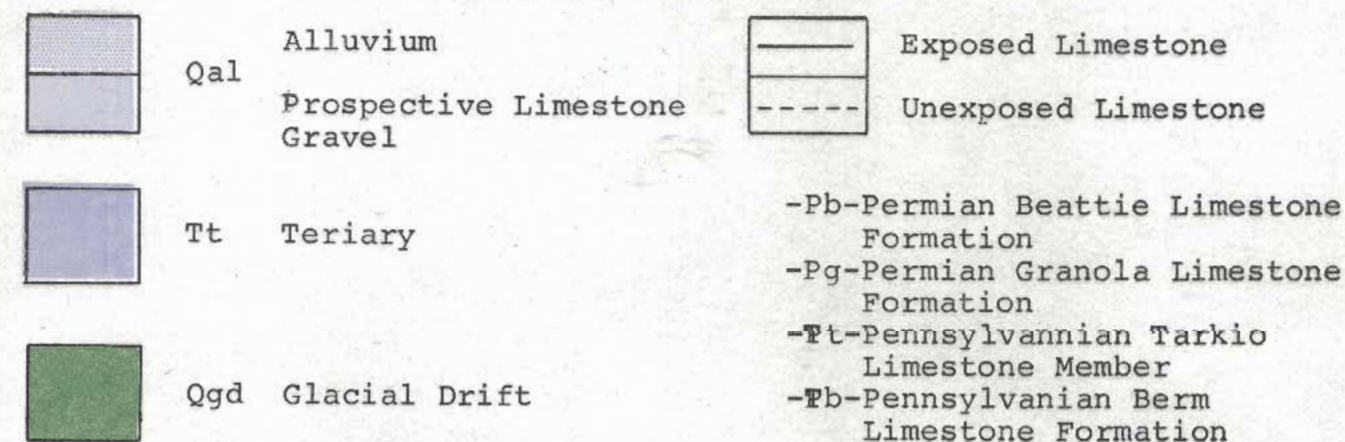
MAP LEGEND

EXPLANATIONS OF MATERIALS SITE DESIGNATIONS

- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▼ Prospective site; sampled (See Appendix III)



EXPLANATION OF MAP SYMBOLS



Scale: 1 0 1 2 3 4 Miles

prepared by the

STATE HIGHWAY COMMISSION OF KANSAS

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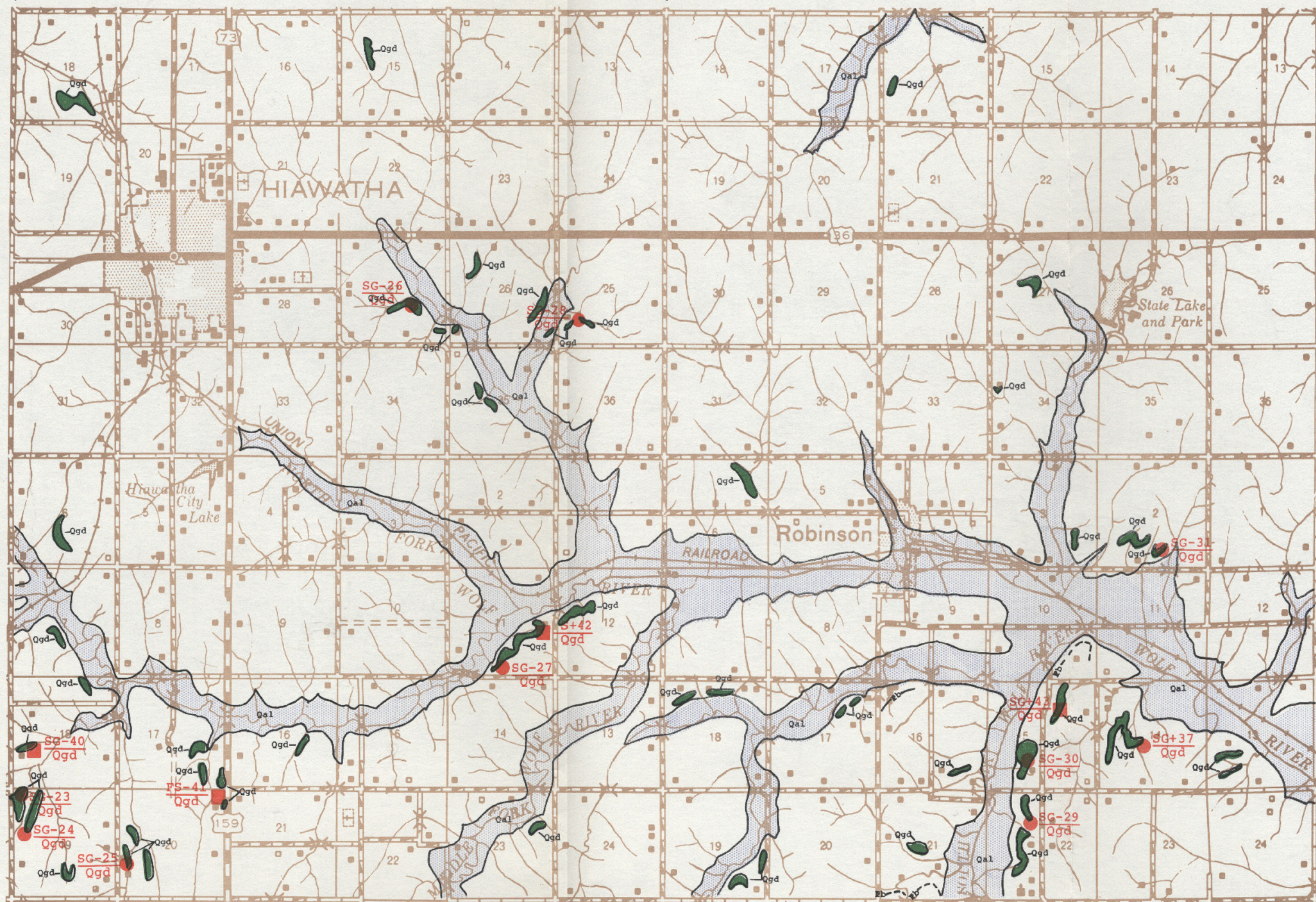
U. S. DEPARTMENT OF COMMERCE

BUREAU OF PUBLIC ROADS

R 17 E

R 17 E
R 18 E

R 18 E



COUNTY

DONIPHAN

T 2 S
T 3 S

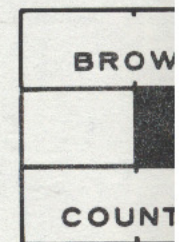


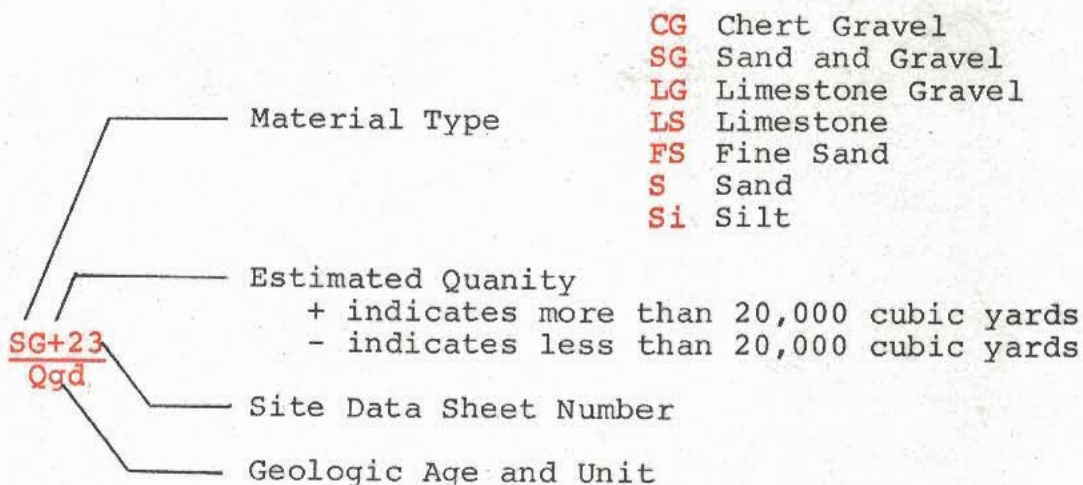
PLATE IV

BROWN COUNTY MATERIALS

MAP LEGEND

EXPLANATIONS OF MATERIALS SITE DESIGNATIONS

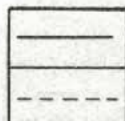
- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▼ Prospective site; sampled (See Appendix III)



EXPLANATION OF MAP SYMBOLS



Qal Alluvium
Prospective Limestone Gravel



Exposed Limestone
Unexposed Limestone



Tt Tertiary



Qgd Glacial Drift

-Pb-Permian Beattie Limestone Formation
-Pg-Permian Granola Limestone Formation
-Tt-Pennsylvannian Tarkio Limestone Member
-Pb-Pennsylvanian Berm Limestone Formation

Scale: 1 0 1 2 3 4 Miles

prepared by the

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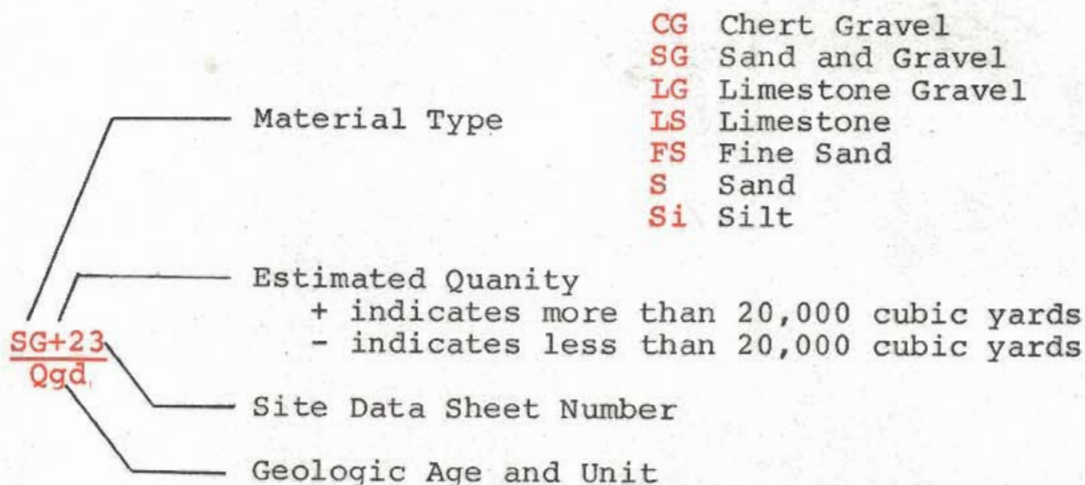
BUREAU OF PUBLIC ROADS

BROWN COUNTY MATERIALS

MAP LEGEND

EXPLANATIONS OF MATERIALS SITE DESIGNATIONS

- Open site; not sampled (See Appendix I)
- Open site; sampled (See Appendix II)
- ▼ Prospective site; sampled (See Appendix III)



EXPLANATION OF MAP SYMBOLS



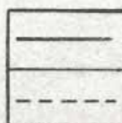
Qal Alluvium
Prospective Limestone Gravel



Tt Tertiary



Qgd Glacial Drift



Exposed Limestone
Unexposed Limestone

-Pb-Permian Beattie Limestone Formation
-Pg-Permian Granola Limestone Formation
-Pt-Pennsylvannian Tarkio Limestone Member
-Pb-Pennsylvanian Berm Limestone Formation

Scale: 1 0 1 2 3 4 Miles

prepared by the

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BUREAU OF PUBLIC ROADS



ATCHISON

COUNTY

PLATE VI

L