

May 16, 2007

Janice L. Hayes, Attorney at Law
P. O. Box 367
Oskaloosa, KS 66066

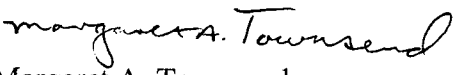
Dear Ms. Hayes,

I was asked to review the Oskaloosa sewer system project. Based on the well log data available to me, it appears that depth to ground water is fairly shallow, generally less than 20 feet. Also, from the NRCS web soils site, I found that the soils in the area of the lagoon consist partly of the Shelby complex. This soil series has 30 to 40% sand, about 35% silt, and 23 to 35% clay. This composition means that the soil has the potential for being fairly permeable. If the lagoon in question is cleared of sludge there is a possibility of increased permeability through the underlying compacted clay if the clay is disturbed and if the lagoon is not lined. If waste that is attached to the clays is exposed to oxygen, the remaining nitrogen may be nitrified to nitrate and be in a mobile form to move downward to the ground water. This is a potential contamination issue. If the lagoon is lined, then the likelihood of nitrate movement is minimized. I do not have any information on the construction of the lagoon so I do not know if the lagoon is lined or not. This is something that should be discussed with the company doing the work for the city.

The areas with collapsed lines may have the same issue. It might be useful to have soil tests done both in the area of the lagoon and the areas with collapsed lines to see if the nitrate content of the soil is high. Ammonium will adsorb to clays; nitrate will not adsorb and will move if there is sufficient recharge.

The above comments are based on regional geologic conditions and limited information available to the KGS at the time of writing and cannot be used in substitute for a detailed site characterization. Other geologic conditions, not discussed here, or for which the KGS has no knowledge, may affect the viability or safe operation of this facility or property. Geotechnical engineering and design are outside the purview of the KGS. It is the responsibility of the applicant to produce any detailed site characterizations, geotechnical or environmental testing, or design by a licensed professional geologist or engineer to complete the project.

Sincerely,


Margaret A. Townsend
Geohydrology section

AGENCY REVIEW TRANSMITTAL FORM

Comments by Margaret Townsend

5-17-06
Transmittal Date

This form provides notification and the opportunity for your agency to review and comments on this proposed project as required by Executive Order 12372. Review Agency, please complete Parts II and III as appropriate and return to contact person listed below. Your prompt response will be appreciated.

RETURN TO: Janice L. Hayes Attorney at Law
P. O. Box 367
Oskaloosa KS 66066

PART I	REVIEW AGENCIES/COMMISSION	
☐ Aging	☐ Education	☐ State Forester
☐ Agriculture-DWR	☒ Geological Survey, KS	☐ Transportation
☐ Biological Survey, KS	☐ Health & Environment	☐ Water Office, KS
☐ Conservation Commission	☐ Historical Society	☐ Wildlife & Parks
☐ Corporation Commission	☐ Social & Rehabilitation	
☐ Commerce		

PART II AGENCY REVIEW COMMENTS
COMMENTS: (Attach additional sheet if necessary) Re: City of Oskaloosa Kansas Sewer Maintenance & Improvement Project

PART III	RECOMMENDED ACTION COMMENTS
☐ Clearance of the project should be granted.	☒ Clearance of the project should not be delayed but the Applicant should (in the final application) address and clarify the question or concerns indicated above.
☐ Clearance of the project should not be granted.	
☐ Clearance of the project should be delayed until the issues or questions above have been clarified.	☐ Request the opportunity to review final application prior to submission to the federal funding agency.
☐ Request a State Process Recommendation in concurrence with the above comments.	

DIVISIONS/ AGENCY/ COMMISSION

Reviewer's Name: Margaret A. Townsend
Organization:

Date: 5-17-07

CITY OF OSKALOOSA KANSAS

Janice L. Hayes, City Attorney
P. O. Box 367
Oskaloosa, KS 66066-0367

Voice: 785-863-2772

Fax: 785-863-2451

April 30, 2007

Dr. Lee Allison
Kansas Geological Survey
KU-1930 Constant Ave -Campus West
Lawrence, KS 66047

Re: Environmental Clearance Document, City of Oskaloosa

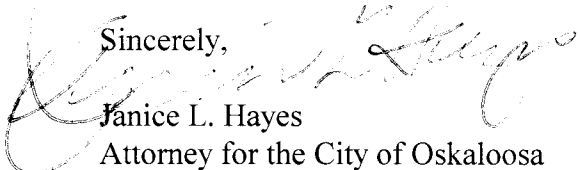
Dear Dr. Allison:

As part of the Kansas SRF loan application package, there is a request for "Intergovernmental Comments." Included with this letter of transmittal is a copy of the KWPCRLF application. The wastewater treatment system improvements proposed for this project include.

1. Removal of sludge from the City lagoon cell number 1.
2. Replacement of the influent, transfer and discharge structures to be constructed concurrently with the sludge removal in cell number 1.
3. Spot repair of collapsed lines in Northeast Swoyer's Addition, City of Oskaloosa KS.
4. TV inspection of sanitary sewer lines system wide to identify deficiencies in the sewer system.
5. Development of a Preliminary Engineering Report summarizing sanitary sewer deficiencies and recommended improvements.

All of the work will be within the City's existing sewer collection system or City lagoon. We thank you for your time to review and respond to this environmental clearance document. If you have any questions, please feel free to call me. Your response should be sent to my attention at the address on the letterhead by May 30, 2007. Thank you.

Sincerely,



Janice L. Hayes
Attorney for the City of Oskaloosa

OSKALOOSA

CITY OF OSKALOOSA
"County Seat of Jefferson County Kansas"
100 E. Washington, Suite C * PO Box 446
Oskaloosa, Kansas 66066-0446
Phone (785) 863-2651 * Fax (785) 863-2363
Email: cityclerk@ruralnet1.com

April 30, 2007

To Whom It May Concern:

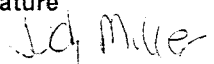
There are no current existing Environmental Assessments or Impact Statements. The only proximity to wildlife habitats include the third cell of the lagoon cell system which discharges into an unnamed creek. However, this project is not working near that discharge unit. The locks of cell one which is the southern cell is the one to be effected.

If you have any questions, please call me at the above telephone number.

Sincerely,

Patty Hamm
City Clerk

Kansas Department of Health and Environment

APPLICATION FOR SRF LOAN ASSISTANCE		New	Amendment
Project Number	C 20- - 163701	X	
1. Legal Applicant / Recipient CITY OF OSKALOOSA KANSAS		2. Type of Applicant / Recipient	
Applicant Name	CITY OF OSKALOOSA KANSAS	A. City	
Organization Unit		B. County	
Street / PO Box	P. O. Box	C. Other (Specify)	
City	Oskaloosa	Enter Appropriate Letter	
County	Jefferson County	A	
State / Zip code	Kansas 66066		
Contact Person Name	Judy Miller		
Telephone Number	785.863.2651		
3. Title of applicants project Sewer Maintenance and Improvement Project			
4. Type of Project Sanitary Sewer System Improvements and Maintenance Project			
5. Employer Identification Number		-6034856	
6. Area of project impact (Names of cities, counties, etc)		City of Oskaloosa	
7a. Congressional District / Applicant		2nd	
7b. Congressional District / Project		2nd	
8. Type of change		Increase dollars	\$ 0.00
		Decrease dollars	0.00
9. Proposed Funding			
SRF Loan 9a.	\$ 220,000	10. Project Start Date Apr 1 2007	
Applicant 9b.	\$ 0	(Estimated)	
CDBG 9c.	\$ 0	11. Project Duration June 1 07	
EPA 9d.	\$ 0	(Months)	
EDA 9e.	\$ 0	12. Date Submitted April 07	
Other 9f.	\$ 0	(To KDHE)	
Total	\$ 220,000		
13. Requested Loan Repayment Period (Must not be over 20 years)			
The applicant certifies that: To the best of my knowledge and belief, data in this pre-application / application is true and correct, the document has been duly authorized by the governing body of the applicant and the applicant will comply with the attached assurances if the assistance is approved		s notice of intent / preapplication / application was made available to the state executive order 12372 process for review on: Date	
15. Certifying Representative		Signature	
Name	Judy Miller		
Title	Mayor		
Mail completed application to:		If you need assistance please contact:	
Kansas Department of Health and Environment		Brenda Diegel	
Bureau of Water / Attn: Rod Geisler		Administrative / Finance Section, Suite 420	
Municipal Programs Section, Suite 420		1000 SW Jackson Street	
1000 SW Jackson Street		Topeka, KS 66612-1367	
Topeka, KS 66612-1367		785-296-4262	

PLEASANT VIEW CEMETERY

OS

ROAD

CEMETERY

STREET

COLUMBIA

PARK

STREET

WARREN

HERKIMER

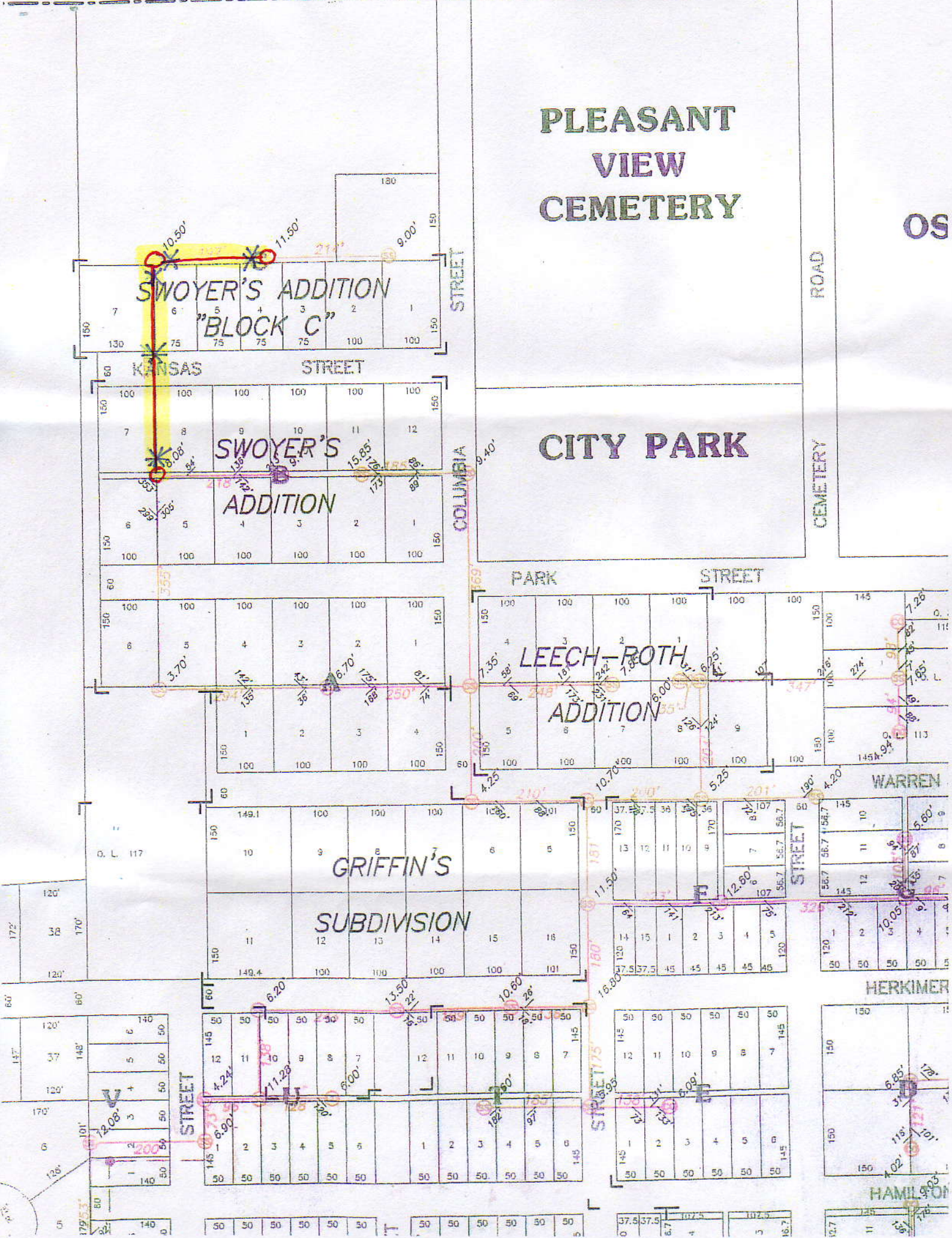
HAMILTON

SWOYER'S ADDITION
"BLOCK C"

SWOYER'S
ADDITION

LEECH-ROTH
ADDITION

GRIFFIN'S
SUBDIVISION



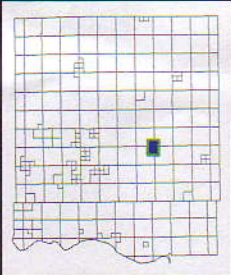


Map
1930510
Twp 10S
Rng 19E



Parcel Legend

- Taxing Unit
- City Limit
- Subdivisions
- Sections
- Parcel
- Parcel and Lot
- Lot
- Contiguous Lot and Parcel
- Contiguous Parcel
- Government Lot
- Gov. Lot and Parcel
- KHBIL Survey
- Allotment
- Allotment Parcel
- Lot Number
- Parcel Number
- Acres
- Block Number
- Old Block Number



Subdivision Legend

Book	Page	SubID	Subdivision Name
B	348	B30	Bennett's Addition
B	348	B70	Boucher's Addition
7	66	C14	Cedar Ridge Unit One
7	168	C41	Colonial Acres Subdivision
4	70	E22	Eastwood Subdivision
B	503	F24	Fittsimmons North Addition
B	502	F26	Fittsimmons West Addition
1	42	G78	Griffin's Subdivision
4	196	J10	Jefferson County Service Center Subdivision
R	73	K42	Keeler's Addition

Book	Page	SubID	Subdivision Name
1	24	L82	Leech-Roth Addition
Orig	Plat	N28	Newell's Addition
Orig	Plat	O40	Oskaloosa "Original Town"
1	28	S96	Swayer's Addition
1	86	S97	Swayer's Addition Block C
4	199	W07	Walnut Street Subdivision

Map Numbers

Map	Twp	Rng
128	9S	19E
1283330	9S	19E
129	9S	19E
1293240	9S	19E
192	10S	19E
1920420	10S	19E
193	10S	19E
1930510	10S	19E
1930540	10S	19E

1930510 Twp 10S Rng 19E

This map was created for Jefferson County Government use. It is not a legal survey. Jefferson County will not be held responsible for any errors or misrepresentations on this map.

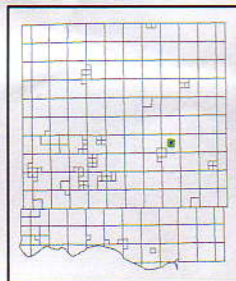
1:12000
1 inch equals 1000 feet
1 inch equals 0.189 miles

Map
128
Twp 9S
Rng 19E



Parcel Legend

- Taxing Unit
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- Allotment Parcel
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- Parcel Number
- Acres
- Block Number
- 6 Old Block Number



Subdivision Legend				Map Numbers			128	Twp 9S		
Book	Page	SubID	Subdivision Name	Book	Page	SubID	Subdivision Name	Map	Twp	Rng
								128	9S	19E

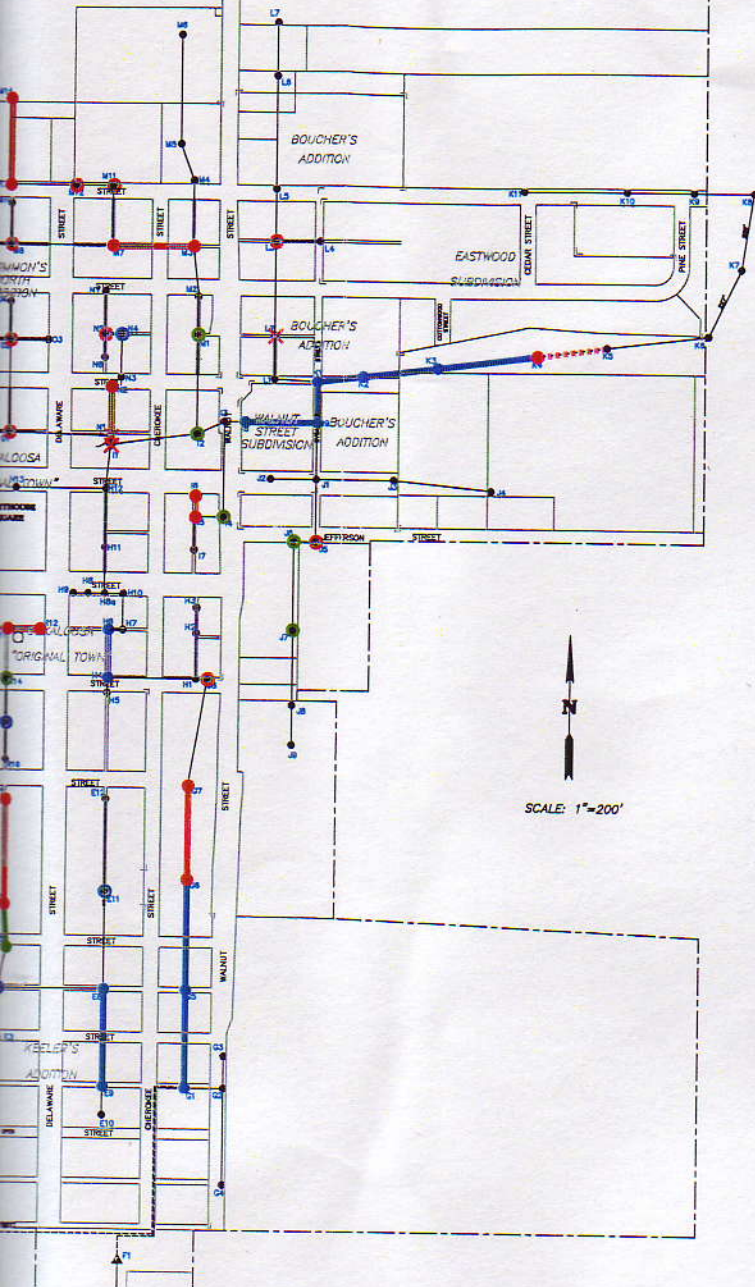
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1:3500
1 inch equals 291.7 feet
1 inch equals 0.055 miles

OSKALOOSA, KANSAS

SUMMARY OF SMOKE TEST RESULTS

SA PUBLIC SCHOOLS



LEGEND

- A1 SANITARY SEWER MH/LS/CO ID
- SANITARY SEWER LINE
- SANITARY SEWER FORCE MAIN
- ⊙ SANITARY SEWER MANHOLE
- ⊙ SANITARY SEWER CLEAN OUT
- △ SANITARY SEWER LIFT STATION
- △ DEPTH OF MANHOLE

PRIORITY 1

- INSTALL RIP-RAP IN CREEK CROSSING
- SANITARY SEWER MAIN REPLACEMENT
- MANHOLE REPLACEMENT
- MANHOLE REHABILITATION
- X MANHOLE TOP OF RIM ADJUSTMENT

PRIORITY 2

- SANITARY SEWER MAIN REPLACEMENT
- MANHOLE REPLACEMENT
- MANHOLE REHABILITATION
- X MANHOLE TOP OF RIM ADJUSTMENT

PRIORITY 3

- SANITARY SEWER MAIN REPLACEMENT
- MANHOLE REPLACEMENT
- MANHOLE REHABILITATION
- X MANHOLE TOP OF RIM ADJUSTMENT

PRIORITY 4

- SANITARY SEWER MAIN REPLACEMENT
- MANHOLE REPLACEMENT
- MANHOLE REHABILITATION
- X MANHOLE TOP OF RIM ADJUSTMENT

NOTE: SANITARY SEWER LINES ARE
8" CLAY UNLESS OTHERWISE
SPECIFIED.

UPDATED: 12-21-99

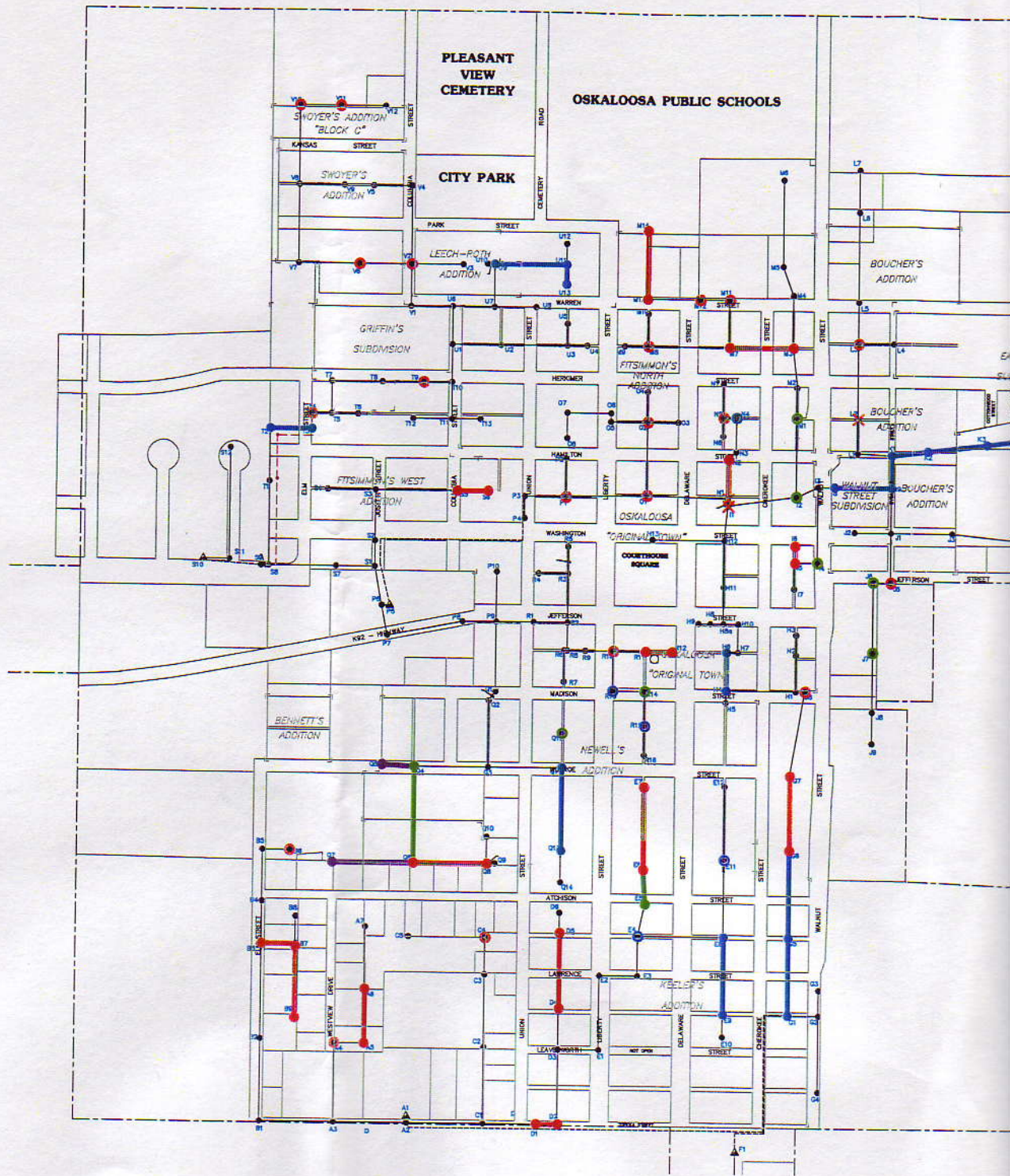
NOTE: ALL ALLEYS ARE 10' WIDE UNLESS
OTHERWISE NOTED.

TOWNSHIP 9 & 10 SOUTH
RANGE 19 EAST
SECTIONS 4, 5, 32, & 33

BG CONSULTANTS, INC.

ENGINEERS-ARCHITECTS-SURVEYORS
LAWRENCE, KANSAS HUTCHINSON, KANSAS
MANHATTAN, KANSAS EMPORIA, KANSAS





OSKALOOSA SANITARY SEWER COLLECTION SYSTEM ANALYSIS
Opinion of Probable Construction Costs

Priority	Item No.	Item Description	Quantity	Unit	Unit Price	Total Cost	Cumulative Cost
1	1.	Install Rip-Rap in Creek bottom MH K-4 and MH K-5 (in buffalo field)	1	L.S.	\$5,000.00	\$5,000.00	\$5,000.00
1	2.	Sanitary Sewer Main Replacement between MH B-7 and MH B-9	349	L.F.	\$92.50	\$32,282.50	\$37,282.50
1	3.	Sanitary Sewer Main Replacement between MH B-3 and MH B-7	162	L.F.	\$92.50	\$14,985.00	\$52,267.50
1	4.	Sanitary Sewer Main Replacement between MH G-6 and MH G-7	353	L.F.	\$92.50	\$32,652.50	\$84,920.00
1	5.	Sanitary Sewer Main Replacement between MH N-1 and MH N-2	224	L.F.	\$92.50	\$20,720.00	\$105,640.00
1	6.	Sanitary Sewer Main Replacement between MH E-6 and MH E-7	394	L.F.	\$92.50	\$36,445.00	\$142,085.00
1	7.	Sanitary Sewer Main Replacement between MH Q-6 and MH Q-8	353	L.F.	\$92.50	\$32,652.50	\$174,737.50
1	8.	Sanitary Sewer Main Replacement between MH D-4 and MH D-5	357	L.F.	\$92.50	\$33,022.50	\$207,760.00
1	9.	Sanitary Sewer Main Replacement between MH R-11 and CO R-12	128	L.F.	\$92.50	\$11,840.00	\$219,600.00
1	10.	Sanitary Sewer Main Replacement between MH M-3 and MH M-7	303	L.F.	\$92.50	\$28,027.50	\$247,627.50
1	11.	Sanitary Sewer Main Replacement between MH A-5 and MH A-6	256	L.F.	\$92.50	\$23,680.00	\$271,307.50
1	12.	Sanitary Sewer Main Replacement between MH M-13 and MH M-14	324	L.F.	\$92.50	\$29,970.00	\$301,277.50
1	13.	Sanitary Sewer Main Replacement between MH D-1 and MH D-2	105	L.F.	\$92.50	\$9,712.50	\$310,990.00
1	14.	Sanitary Sewer Main Replacement between MH S-5 and CO S-6	148	L.F.	\$92.50	\$13,690.00	\$324,680.00
1	15.	Sanitary Sewer Main Replacement between MH I-5 and CO I-6	89	L.F.	\$92.50	\$8,232.50	\$332,912.50
1	16.	Manhole Replacement (0'-7')	25	EA.	\$2,000.00	\$50,000.00	\$382,912.50
1	17.	Extra Vertical Depth	71.4	V.F.	\$150.00	\$10,710.00	\$393,622.50
1	18.	Cleanout Replacement	3	EA.	\$750.00	\$2,250.00	\$395,872.50
1	19.	Manhole Rehabilitation	20	EA.	\$1,500.00	\$30,000.00	\$425,872.50
1	20.	Raise Manhole to Grade	2	EA.	\$850.00	\$1,700.00	\$427,572.50
1	21.	Lift Station	1	L.S.	\$45,000.00	\$45,000.00	\$472,572.50
							\$472,572.50
2	22.	Sanitary Sewer Main Replacement between MH Q-4 and MH Q-6	459	L.F.	\$92.50	\$42,457.50	\$515,030.00
2	23.	Sanitary Sewer Main Replacement between MH E-5 and MH E-6	164	L.F.	\$92.50	\$15,170.00	\$530,200.00
2	24.	Manhole Replacement (0'-7')	2	EA.	\$2,000.00	\$4,000.00	\$534,200.00
2	25.	Extra Vertical Depth	10.0	V.F.	\$150.00	\$1,500.00	\$535,700.00
2	27.	Manhole Rehabilitation	7	EA.	\$1,500.00	\$10,500.00	\$546,200.00
							\$546,200.00
3	28.	Sanitary Sewer Main Replacement between MH I-8 and MH I-9	280	L.F.	\$92.50	\$25,900.00	\$572,100.00
3	29.	Sanitary Sewer Main Replacement between MH I-9 and MH K-1	150	L.F.	\$92.50	\$13,875.00	\$585,975.00
3	30.	Sanitary Sewer Main Replacement between MH K-1 and MH K-4	847	L.F.	\$92.50	\$78,347.50	\$664,322.50
3	31.	Sanitary Sewer Main Replacement between MH E-8 and MH E-9	365	L.F.	\$92.50	\$33,762.50	\$698,085.00
3	32.	Sanitary Sewer Main Replacement between MH G-1 and MH G-6	823	L.F.	\$92.50	\$76,127.50	\$774,212.50
3	33.	Sanitary Sewer Main Replacement between MH Q-11 and MH Q-13	394	L.F.	\$92.50	\$36,445.00	\$810,657.50
3	34.	Sanitary Sewer Main Replacement between MH H-4 and MH H-6	187	L.F.	\$92.50	\$17,297.50	\$827,955.00
3	35.	Sanitary Sewer Main Replacement between MH T-2 and MH T-3	200	L.F.	\$92.50	\$18,500.00	\$846,455.00
3	36.	Sanitary Sewer Main Replacement between MH U-9 and MH U-11	347	L.F.	\$92.50	\$32,097.50	\$878,552.50
3	37.	Sanitary Sewer Main Replacement between MH U-11 and CO U-13	94	L.F.	\$92.50	\$8,695.00	\$887,247.50
3	38.	Manhole Replacement (0'-7')	17	EA.	\$2,000.00	\$34,000.00	\$921,247.50
3	39.	Extra Vertical Depth	45.6	V.F.	\$150.00	\$6,840.00	\$928,087.50
3	40.	Cleanout Replacement	1	EA.	\$750.00	\$750.00	\$928,837.50
3	41.	Epoxy Coated Manhole Replacement (0'-7')	1	EA.	\$2,500.00	\$2,500.00	\$931,337.50
3	42.	Epoxy Coated Extra Vertical Depth	1.4	V.F.	\$300.00	\$420.00	\$931,757.50
3	43.	Manhole Rehabilitation	6	EA.	\$1,500.00	\$9,000.00	\$940,757.50
							\$940,757.50
4	44.	Sanitary Sewer Main Replacement between MH Q-4 and CO Q-5	155	L.F.	\$92.50	\$14,337.50	\$955,095.00
4	45.	Sanitary Sewer Main Replacement between MH Q-6 and MH Q-7	391	L.F.	\$92.50	\$36,167.50	\$991,262.50
4	46.	Manhole Replacement (0'-7')	1	EA.	\$2,000.00	\$2,000.00	\$993,262.50
4	47.	Cleanout Replacement	1	EA.	\$750.00	\$750.00	\$994,012.50

CONSTRUCTION SUBTOTAL = \$994,012.50
+ENGINEERING & INSPECTION = \$150,095.89
TOTAL PROJECT COST = \$1,144,108.39

ORDINANCE NO. 2006-4-101

AN ORDINANCE AMENDING THE FIRE LIMITS OF THE CITY OF OSKALOOSA AND AMENDING ORDINANCE NUMBER 92- 4-101.

BE IT ORDAINED BY THE GOVERNING BODY OF THE CITY OF OSKALOOSA, KANSAS:

Section 1. Ordinance number 92- 4-101 is hereby amended to read as follows:

4-101. FIRE LIMITS ESTABLISHED. The following shall be and are hereby declared to be the fire limits of the City of Oskaloosa:

[SEE ATTACHED SHEET]

Section 2. That this ordinance is made under and in compliance with the laws of the State of Kansas and shall constitute and be in force as therein provided. That all with this ordinance heretobefore enacted which are now inconsistent with this ordinance are hereby repealed to the extent of their inconsistent provisions.

Section 3. This ordinance shall be in effect after one publication in the official newspaper of the City of Oskaloosa, Kansas.

Jody K Miller
Mayor

ATTEST:

Patty A. Hamm
City Clerk

Passed and Approved: 12-7, 2006

Published: 12-14, 2006

JEFFERSON CO. KS. SS
FILED FOR RECORD

VOL 692 PC 288-290

2006 DEC 20 P 2:52

Debra Houston
REGISTER OF DEEDS

FEE N/C Statute

ENTERED IN TRANSFER RECORD IN MY
OFFICE THE 20TH DAY OF
December 2006
Sinda M. Britton
COUNTY CLERK

BEGINNING AT A POINT ONE-HALF (1/2) MILE, MORE OR LESS, DUE EAST OF THE CENTER OF THE COURTHOUSE SQUARE (SAID COURTHOUSE SQUARE BEING BLOCK 8, CITY OF OSKALOOSA, JEFFERSON COUNTY, KANSAS);

THENCE NORTH ONE-HALF (1/2) MILE, MORE OR LESS;

THENCE WEST ONE (1) MILE, MORE OR LESS;

THENCE SOUTH TO A POINT 820 FEET WEST AND 660 FEET NORTH OF THE SOUTH CORNER OF SECTION 32, TOWNSHIP 9 SOUTH, RANGE 19 EAST;

THENCE WEST 450 FEET;

THENCE SOUTH 660 FEET TO A POINT ON THE NORTH LINE OF SECTION 5, TOWNSHIP 10 SOUTH, RANGE 19 EAST SAID POINT BEING 1270 FEET WEST OF THE SOUTH QUARTER CORNER OF SAID SECTION 32;

THENCE WEST ALONG SAID NORTH LINE OF SECTION FIVE (5) TO THE CENTER OF THE COUNTY ROAD NO. 1035;

THENCE SOUTH 53 DEGREES 15' WEST 302 FEET;

THENCE SOUTH 31 DEGREES 15' WEST 229.0 FEET;

THENCE EAST 604.0 FEET;

THENCE SOUTH 145.5 FEET;

THENCE EAST TO A POINT 819.91 FEET WEST AND 497 FEET SOUTH OF NORTHEAST CORNER (NE/c) OF THE NORTHWEST QUARTER OF SECTION FIVE (5), TOWNSHIP TEN (10) SOUTH, RANGE NINETEEN (19) EAST OF THE 6TH P.M.;

THENCE SOUTH TO THE SOUTH LINE OF THE NORTH HALF (N/2) OF SECTION FIVE (5), TOWNSHIP TEN (10) SOUTH, RANGE NINETEEN (19) EAST OF THE 6TH P.M.;

THENCE EAST TO THE NORTHWEST CORNER OF THE EAST HALF (E/2) OF THE NORTHEAST QUARTER (NE/4) OF THE SOUTHEAST QUARTER (SE/4) OF SECTION FIVE (5), TOWNSHIP TEN (10) SOUTH, RANGE NINETEEN (19) EAST OF THE 6TH P.M.;

THENCE SOUTH TO THE SOUTHWEST CORNER OF THE EAST HALF (E/2) OF THE NORTHEAST QUARTER (NE/4) OF THE SOUTHEAST QUARTER (SE/4) OF SAID SECTION FIVE (5);

THENCE EAST ALONG THE SOUTH LINE OF SAID EAST HALF (E/2) OF THE NORTHEAST QUARTER (NE/4) OF THE SOUTHEAST QUARTER (SE/4) OF SECTION FIVE (5) TO THE WEST RIGHT OF WAY LINE OF U.S. HIGHWAY 59 WHICH POINT IS 30 FEET WEST OF THE SOUTHEAST CORNER OF THE NORTHEAST QUARTER (NE/4) OF THE SOUTHEAST QUARTER (SE/4) OF SAID SECTION 5;

THENCE NORTHERLY ALONG SAID HIGHWAY RIGHT OF WAY TO THE NORTH LINE OF NORTHEAST QUARTER (NE/4) OF THE SOUTHEAST QUARTER (SE/4) OF SAID SECTION 5;

THENCE EAST ALONG SAID NORTH LINE OF THE NORTHEAST QUARTER (NE/4) OF THE SOUTHEAST QUARTER (SE/4) OF SAID SECTION 5, 64.3 FEET TO THE NORTHEAST CORNER OF THE SOUTHEAST QUARTER OF SAID SECTION 5;

THENCE EAST 1,830 FEET, MORE OR LESS;

THENCE NORTH TO THE NORTH BOUNDARY LINE OF LOT SIX (6), SECTION FOUR(4), TOWNSHIP TEN (10) SOUTH, RANGE NINETEEN (19) EAST OF THE 6TH P.M., WHICH IS ALSO THE NORTH BOUNDARY OF THE DELAWARE TRUST LANDS;

THENCE WEST ALONG SAID NORTH BOUNDARY OF LOT SIX (6), AND ALSO LOT FIVE (5) TO A POINT WHICH IS 427.5 FEET, MORE OR LESS, EAST OF THE WEST LINE OF SAID SECTION FOUR (4), TOWNSHIP TEN (10) SOUTH, RANGE NINETEEN (19) EAST OF THE 6TH P.M.;

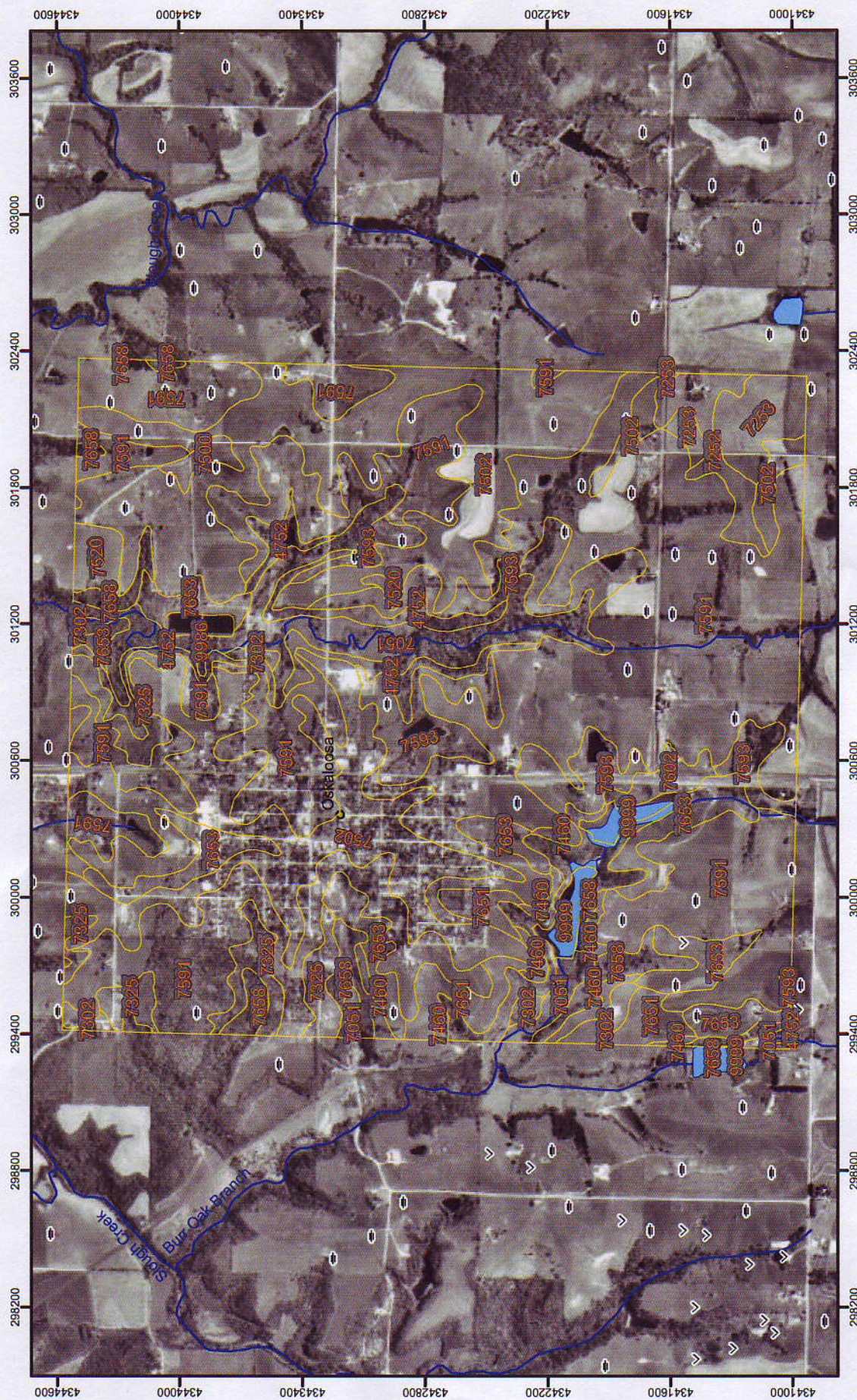
THENCE NORTH TO A POINT WHICH IS 601.3 FEET, MORE OR LESS, SOUTH OF THE NORTH LINE OF SAID SECTION FOUR (4);

THENCE WEST 151 FEET, MORE OR LESS, TO A POINT WHICH IS 277.5 FEET, MORE OR LESS, EAST OF THE WEST LINE OF SAID SECTION FOUR (4);

THENCE NORTH 33.9 FEET, MORE OR LESS, TO A POINT WHICH IS 567.4 FEET, MORE OR LESS, SOUTH OF THE NORTH LINE OF SAID SECTION FOUR (4);
THENCE EAST 273.4 FEET, MORE OR LESS;
THENCE NORTH 437.4 FEET, MORE OR LESS, TO A POINT 130 FEET SOUTH OF THE NORTH LINE OF SAID SECTION FOUR (4);
THENCE EAST 200 FEET, MORE OR LESS;
THENCE NORTH 100 FEET, MORE OR LESS, TO THE SOUTH LINE OF THE ROAD RIGHT OF WAY;
THENCE WEST ALONG SAID ROAD RIGHT OF WAY AND PARALLEL TO THE NORTH LINE OF SAID SECTION 4, A DISTANCE OF 200 FEET, MORE OR LESS;
THENCE NORTH 30 FEET, MORE OR LESS, TO THE NORTH LINE OF SAID SECTION FOUR (4);
THENCE EAST TO THE POINT OF BEGINNING; IN JEFFERSON COUNTY, KANSAS.

SOIL SURVEY OF JEFFERSON COUNTY, KANSAS

oskaloosa sewer project soils



0 500 1,000 2,000 3,000 4,000 Feet

0 250 500 1,000 Meters



SOIL SURVEY OF JEFFERSON COUNTY, KANSAS

oskaloosa sewer project soils

MAP LEGEND

	Soil Map Units
	Cities
	Interstate Highways
	Roads
	Rails
	Water
	Hydrography
	Oceans
	Escarpment, bedrock
	Escarpment, non-bedrock
	Gulley
	Levee
	Slope
	Blowout
	Borrow Pit
	Clay Spot
	Depression, closed
	Eroded Spot
	Gravel Pit
	Gravelly Spot
	Gulley
	Lava Flow
	Landfill
	Marsh or Swamp
	Miscellaneous Water
	Rock Outcrop
	Saline Spot
	Sandy Spot
	Slide or Slip
	Sinkhole
	Sodic Spot
	Spoil Area
	Stony Spot
	Very Stony Spot
	Perennial Water
	Wet Spot

MAP INFORMATION

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>

Coordinate System: UTM Zone 15

Soil Survey Area: Jefferson County, Kansas
Spatial Version of Data: 3
Soil Map Compilation Scale: 1:24000

Map comprised of aerial images photographed on these dates:
1991

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend Summary

Jefferson County, Kansas

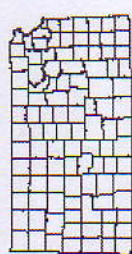
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
4752	Sogn-Vinland complex, 3 to 25 percent slopes	74.1	2.6
7051	Kennebec silt loam, frequently flooded	145.0	5.0
7252	Grundy silty clay loam, 1 to 3 percent slopes	35.9	1.3
7253	Grundy silty clay loam, 3 to 7 percent slopes	48.4	1.7
7302	Martin silty clay loam, 3 to 7 percent slopes	26.2	0.9
7325	Martin-Oska silty clay loams, 3 to 6 percent slopes	82.3	2.9
7460	Oska silty clay loam, 3 to 6 percent slopes	35.4	1.2
7500	Pawnee clay loam, 1 to 3 percent slopes	10.0	0.3
7502	Pawnee clay loam, 3 to 6 percent slopes	644.1	22.4
7520	Pawnee soils, 3 to 7 percent slopes, eroded	21.8	0.8
7591	Shelby-Pawnee complex, 3 to 7 percent slopes	1,187.8	41.4
7593	Shelby-Pawnee complex, 7 to 12 percent slopes	176.2	6.1
7602	Sibleyville complex, 7 to 12 percent slopes	17.2	0.6
7651	Vinland complex, 3 to 7 percent slopes	56.7	2.0
7653	Vinland complex, 7 to 15 percent slopes	157.6	5.5
7658	Vinland-Rock outcrop complex, 15 to 45 percent slopes	120.4	4.2
9986	Miscellaneous water	8.6	0.3
9999	Water	24.6	0.9

montmorillonite clay
30-40% sand
silt 35-38%
clay 23-35%

15-
43% clay
52-67
4.8-16%

Kansas WWC5 Well Viewer

Overview Map



Legend

- Single well
- Multiple wells
- Yield (in gpm)
 - between 1.00 and 3.97
 - between 3.97 and 8.00
 - unknown Yield
- Township Boundary
- PLSS
- County Boundary

