

KANSAS GEOLOGICAL SURVEY

1930 Constant Ave., Campus West
The University of Kansas
Lawrence, Kansas 66047-3726
phone 785-864-3965
fax 785-864-5317

Project for Application to KDHE Kansas Public Water Supply Loan Fund

Applicant: City of Valley Center
Contact Person: Austin Amershek, I.E., Design Engineer
Address: Professional Engineering Consultants
303 S. Topeka
Wichita, KS 67202

Sent to the Kansas Geological Survey for environmental review.

Agency Review Comments:

If the water mains that will be near the railroad tracks are very close to the tracks they (especially the joints) should be constructed to withstand the small, long-term flexing by the slight compression and release on the soil/sediment underlying the tracks each time a train passes.

The long-term benefits of the improvements to the city's water-supply system should offset any short-term adverse impacts during construction of the distribution pipelines.

Recommended Action:

- ☒ Clearance of project should be granted
- ☐ Clearance of project should not be granted
- ☐ Clearance of project should be delayed until the issues or questions have been clarified
- ☐ Clearance of project should not be delayed, but the applicant (in the application) should address or clarify the questions or concerns indicated above
- ☐ Request the opportunity to review final application prior to submission to the federal funding agency.

Donald Whittemore
Reviewer's Name

Geohydrology Section, Kansas Geological Survey
Division/Agency

4/10/06
Date

Reviewer's Signature

The above discussion represents our best assessment based on the information that the Kansas Geological Survey has about this locality and/or proposed project at the time of this writing. Other geologic conditions, not discussed herein, or for which the Kansas Geological Survey has no knowledge, may affect the viability or safe operation of this facility or property. The information provided in this letter is from regional or county-wide studies and should not be used as a substitute for detailed site characterization by a licensed geologist or engineer. It is the responsibility of the applicant to provide any required site characterizations.



Professional Engineering Consultants, P.A.

March 3, 2006

Kansas Geological Survey
University of Kansas
1930 Constant Ave. - Campus West
Lawrence, KS 66047

Reference: City of Valley Center, Kansas
12" and 8" Waterline Improvements
Kansas Public Water Supply Loan Fund
PEC Project No. 35-89355-2502

Dear Sir or Madam:

The City of Valley Center is preparing an application to the Kansas Department of Health and Environment for a loan from the Kansas Public Water Supply Loan Fund for the referenced project. These improvements include the addition of 12" and 8" waterlines to loop the larger water mains within the system as shown on the attached maps. The improvements are located in the E/2 of Section 36, Township 25S, Range 1W and the SE/4 of Section 6, Township 26S, R and 1E (see attached maps).

The total combined project estimate for these improvements is \$1,336,346.50.

We would appreciate your review of the project description and location, and any comments you may have, within 30 days. A project review form is enclosed for your use.

Please contact Mike Kelsey or Austin Amershek at 316.262.2691 if you have any questions.

Very truly yours,

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

Austin Amershek, I.E.
Design Engineer

ALA/tac

Encl: As noted

cc: Mr. I.D. Creech, City Administrator – City of Valley Center (w/out encl.)

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D.L. DOWNES, P.E.

303 S. TOPEKA

WICHITA, KANSAS

67202

316-262-2691

316-262-3003 FAX

www.pec1.com

WICHITA

TOPEKA

TULSA

LAWRENCE

PITTSBURG

The following form may be used by the Review Agency/Commission for comments in response to the request for clearance from the proposed Public Water Supply Loan Fund Project.

____ Army Corps of Engineers
____ Kansas Biological Survey
____ State Conservation Commission
____ Kansas Corporation Commission
____ Division of Water Resources/Kansas Department of Agriculture
____ Kansas Geological Survey
____ Kansas State Historical Society, State Historic Preservation Office
____ Kansas Water Office
____ Kansas Department of Wildlife & Parks
____ US Dept of Agriculture - Natural Resources Conservation Service
____ Kansas Department of Health and Environment
____ US Dept of the Interior - Fish and Wildlife Service

Agency Review Comments: (to be completed by reviewing agency and returned to applicant contact person at name and address shown below)

Comments: _____

Recommended Action: (to be completed by the reviewing agency and returned to applicant contact person at name and address shown below.)

____ Clearance of project should be granted
____ Clearance of project should not be granted
____ Clearance of project should be delayed until the issues or questions have been clarified.
____ Clearance of project should not be delayed, but the applicant (in the application) should address or clarify the questions or concerns indicated above.)

Reviewer's Name

Division/Agency/Commission

Date

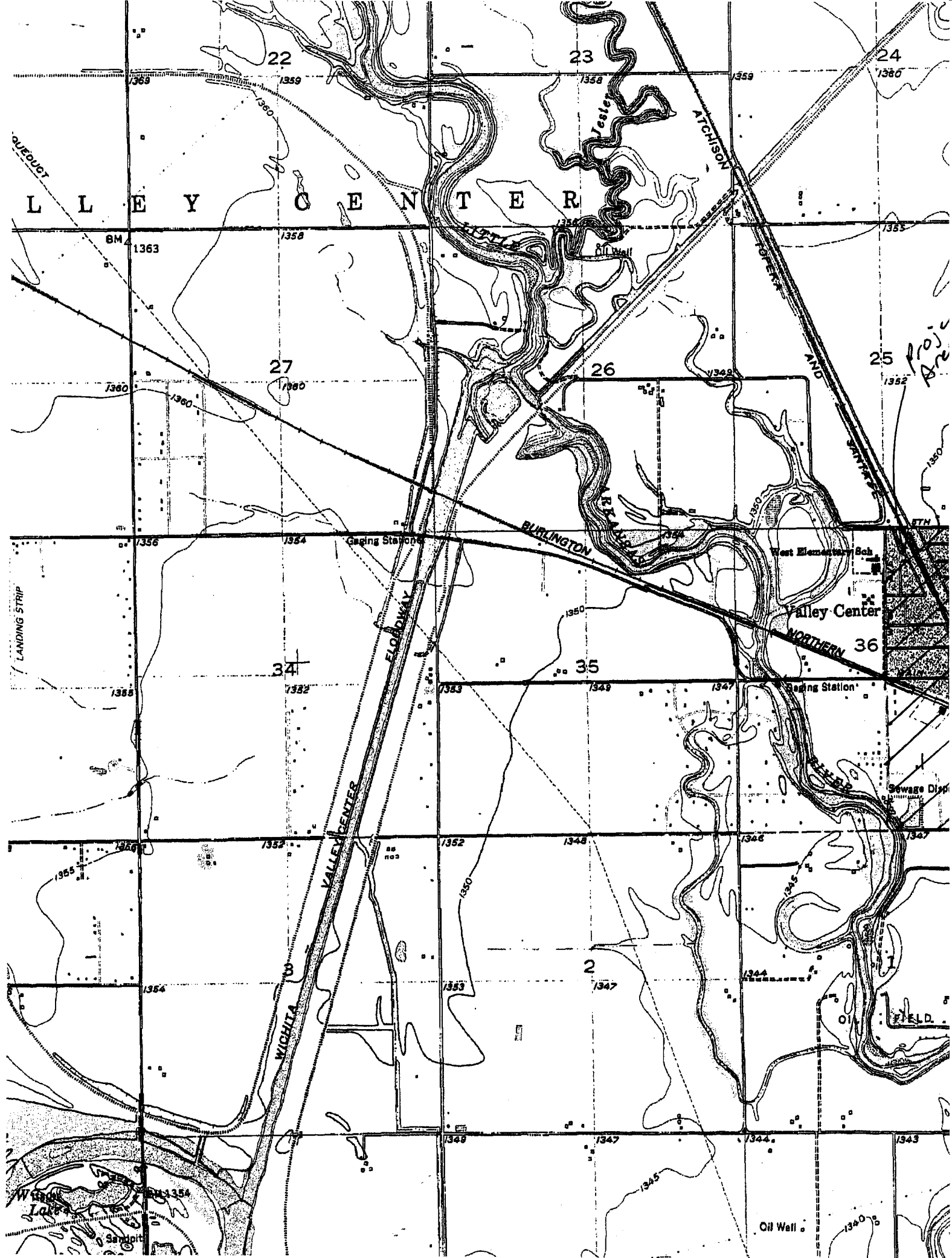
Project Title: Public Water Supply Loan Fund Application

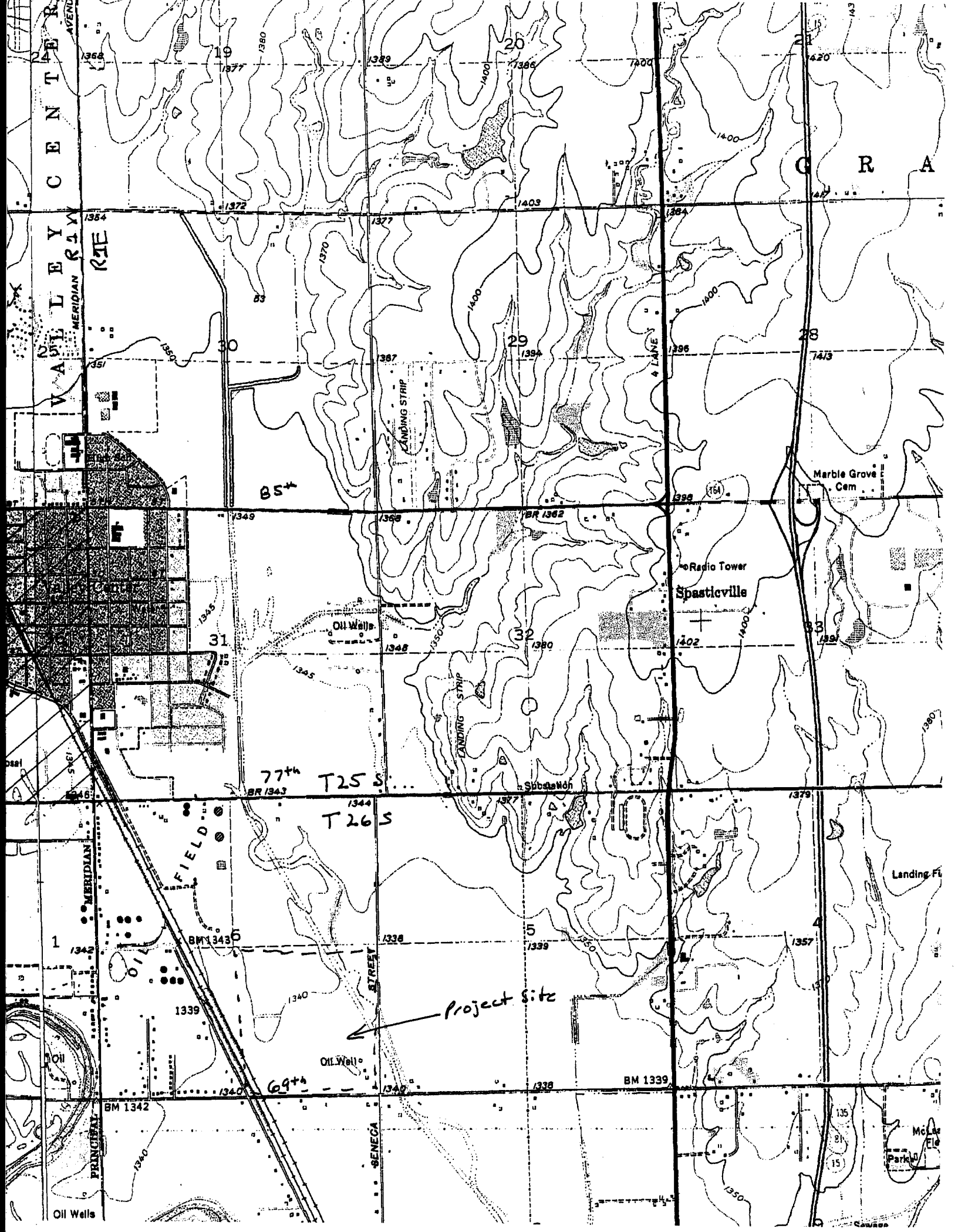
Applicant: City of Valley Center

Contact Person: Austin Amershek

Address: 303 S. Topeka

City, State: Wichita, KS Zip: 67202 Phone: (316)-262-2691





WATER CENTER
VALLEY RD
MERIDIAN RTE

G R A

BS+

77th T25 S

T26 S

Project Site

69th

BM 1339

BM 1342

Oil Well

Radio Tower
Spasticville

Marble Grove
Cem

Substation

LANDING STRIP

LANDING STRIP

Landing Fl

McL
Park

Oil Wells

CLARENCE
CHARLES

69TH N
EXISTING 12" WATER MAIN

ENGLES

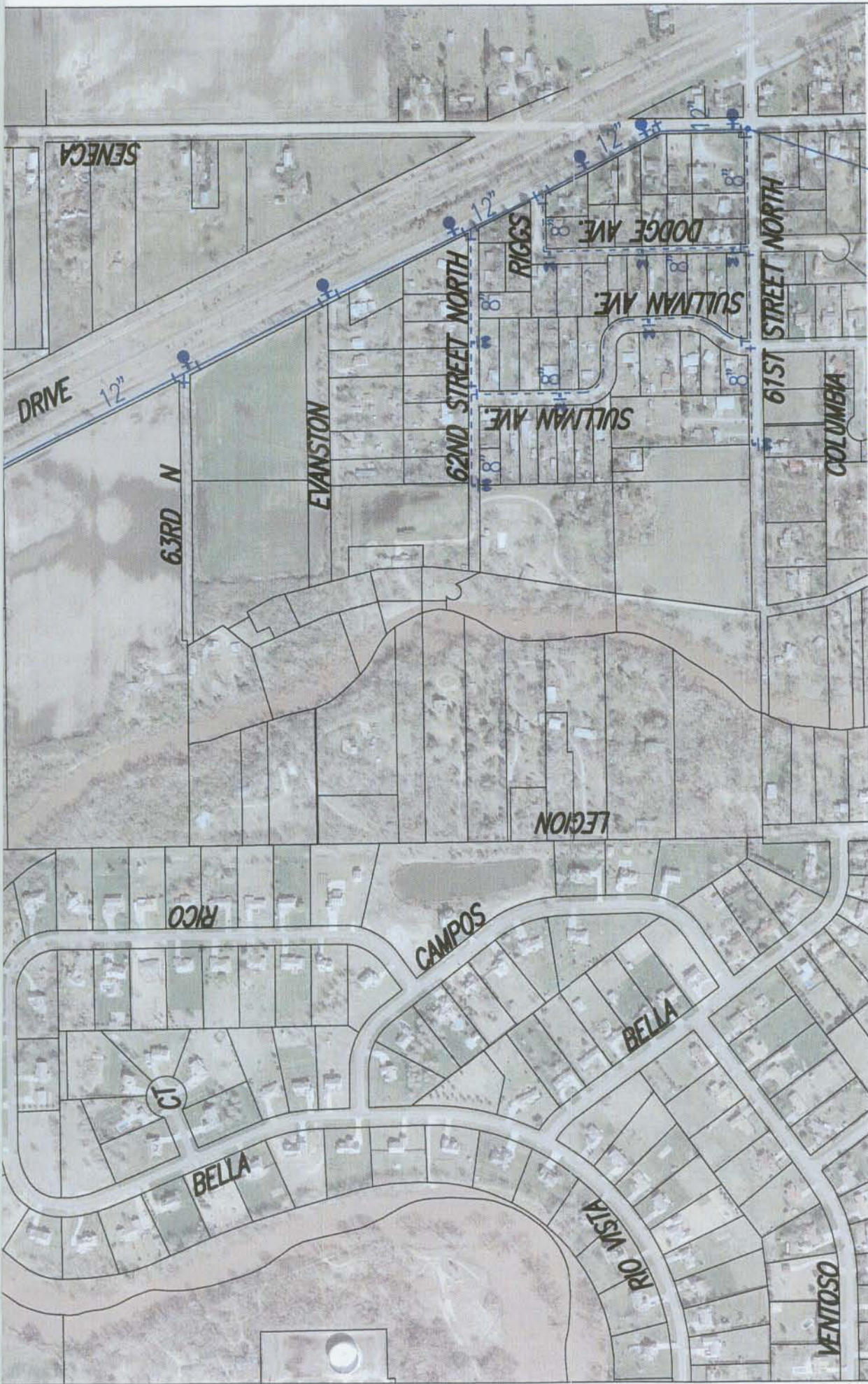
INTERURBAN

EVANSTON



1" = 500'

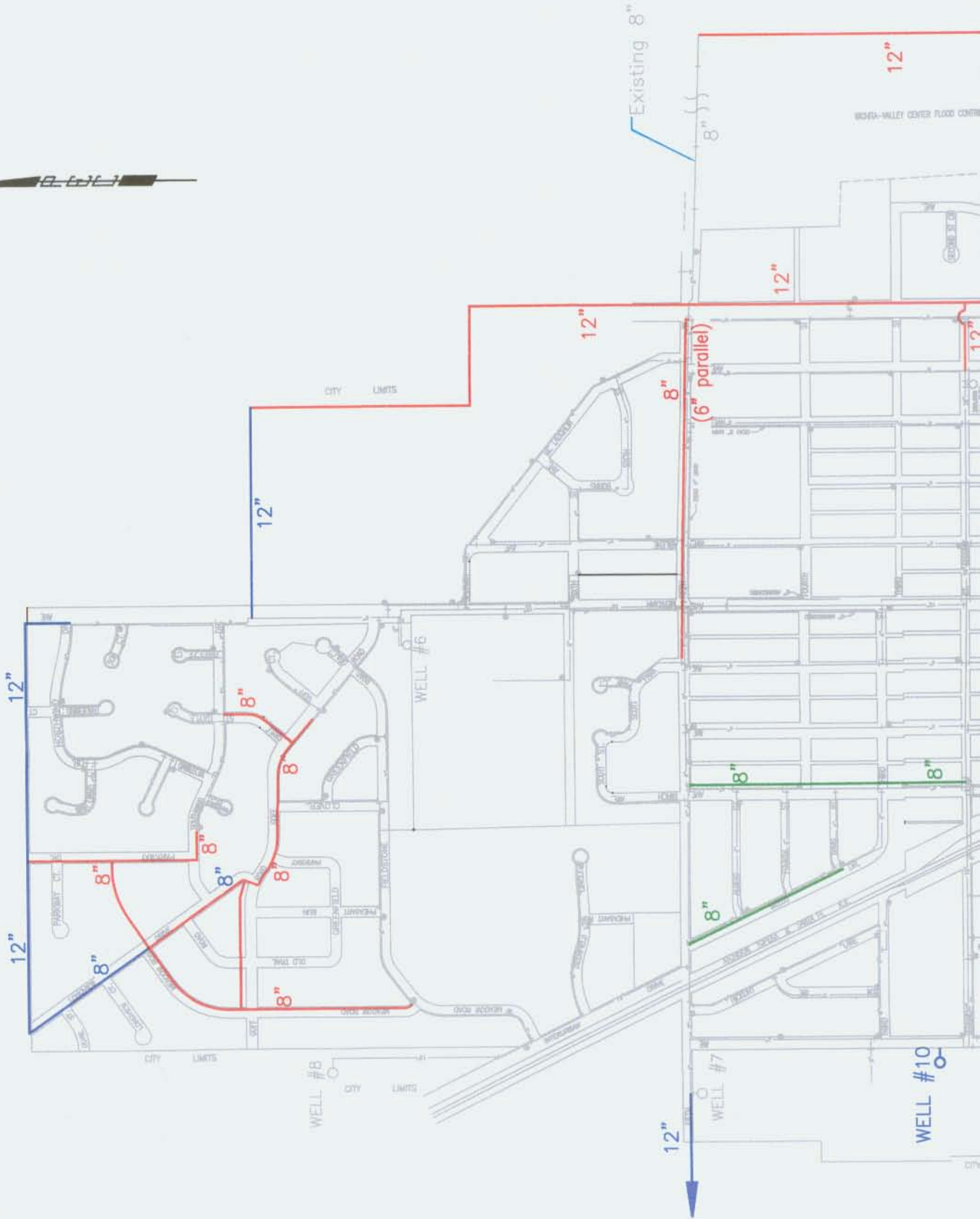


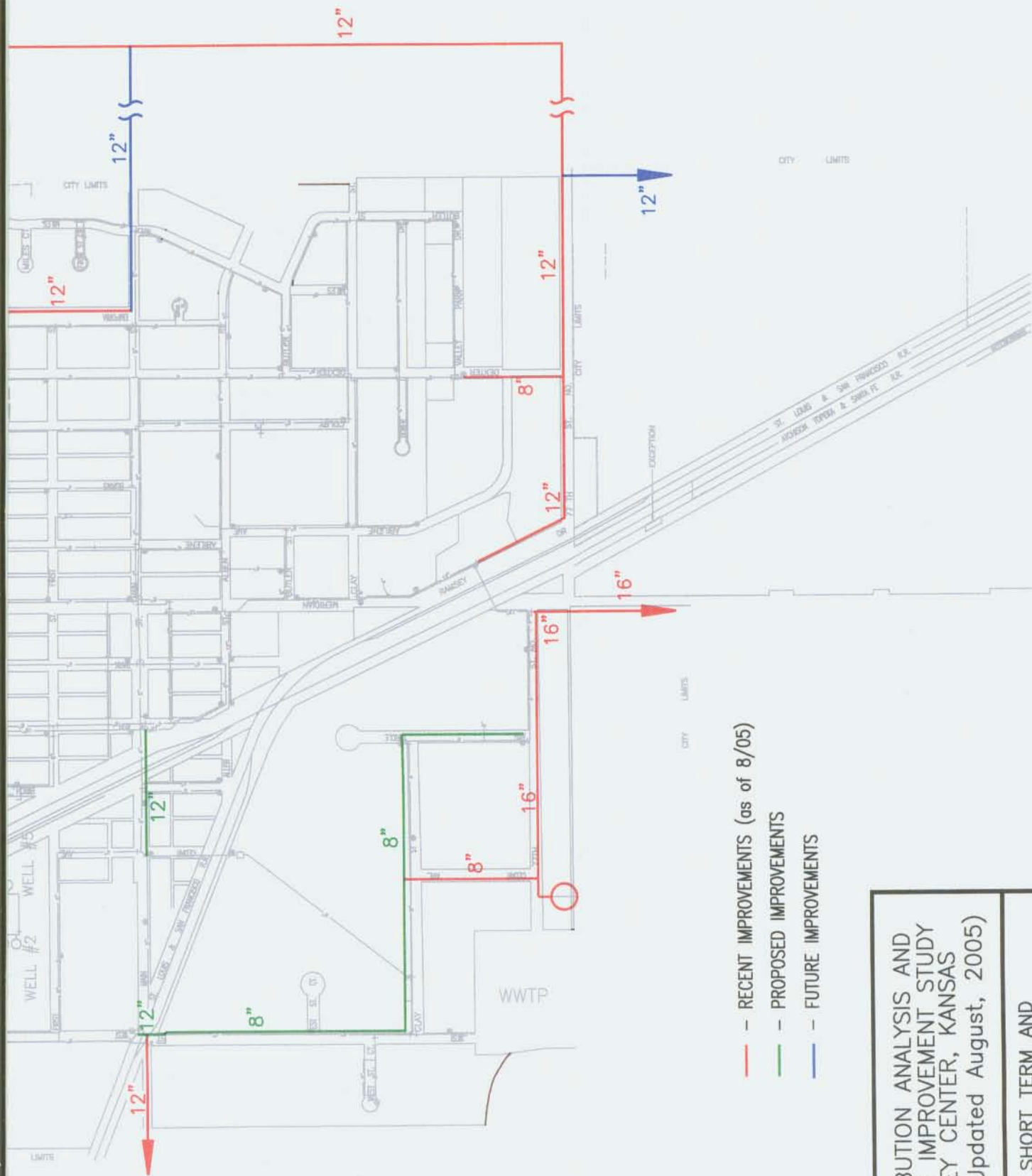


PROPOSED METER VAULT

Valley Center, KS
SOUTHEAST DIAGONAL WATER MAIN

WATER MAIN PRELIMINARY ALIGNMENT





- RECENT IMPROVEMENTS (as of 8/05)
- PROPOSED IMPROVEMENTS
- FUTURE IMPROVEMENTS

DISTRIBUTION ANALYSIS AND
SYSTEM IMPROVEMENT STUDY
VALLEY CENTER, KANSAS
1994 (Updated August, 2005)

SHORT TERM AND
LONG TERM IMPROVEMENTS

FIGURE VI-2