

DR 69-18 - #204 Review of application for federal funds toward construction of new High Service Pumping Station & 7.5 M gallon storage reservoir.

ACTION

COMMITTEE	DATE
M.A.P.C.	Final Review Jan. 15, 1970 8-19-69 <i>[Signature]</i>
B.C.C.B. C.	<i>[Signature]</i>

Reopened - Nov. 25, 1969
Final Review - (A-95) Jan. 15, 1970
M.A.P.C. - Approved Jan. 15, 1970
Close - Jan 16, 1970
[Signature]

April 8, 1971

Robert H. Hess, Director of Water and Water Pollution Control

Robert A. Lakin, Secretary, MAPC

DR 69-18 - City of Wichita, Sedgwick County, Kansas
Water Department. Pump Station, Reservoir and Water Mains

This memorandum is in regard to your letter of March 17, 1971, requesting A-95 Review of subject federal application. It is our opinion that the review by the Metropolitan Area Planning Commission on August 25, 1969, pursuant to Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966, will fulfill the requirements of Part I of the Bureau of the Budget Circular A-95.

RAL:HRM:ls

THE CITY OF WICHITA

CENTENNIAL 1869-1969

WATER DEPARTMENT

AMHERST 2-0811 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN — WICHITA, KAN. 67202

March 17, 1971

Wichita-Sedgwick County
Regional Planning Commission
104 S. Main
Wichita, Kansas 67202

Re: City of Wichita Sedgwick County,
Kansas Water Department
Pump Station, Reservoir, and
Water Mains

Gentlemen:

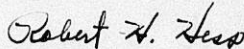
The City of Wichita Water Department does hereby request review and approval of an application for federal assistance pursuant to Part 1 of Bureau of the Budget Circular A-95.

An application for \$1,958,000 in funds for the projects described in the attachments is pending before the Department of Housing and Urban Development.

As Sedgwick County has been designated an economic re-development area, we are presently requesting \$1,777,500 in supplementary funds from the Department of Commerce Economic Development Administration.

This would provide 50% funding for the total project estimated to cost \$7,471,000.

Respectfully submitted,



Robert H. Hess
Director of Water and
Water Pollution Control



RHH/GWR/js

Enclosures

THE CITY OF WICHITA



OFFICE OF THE CITY MANAGER
262-0811 — AREA CODE 313
CITY BUILDING — 204 S. MAIN ST.
WICHITA, KANSAS 67202

March 17, 1971

Willard K. Neptune, Director
Southwest Area Office
Economic Development Administration
702 Colorado Street
Austin, Texas 78701

THROUGH: A. Gaston Franks
Economic Development Rep.
506 Surety Bldg.
Muskogee, Oklahoma 74401

Re: City of Wichita
Sedgwick County, Kansas
Water Department Pump Station,
Reservoir, Water Mains

*Dear Mr. Neptune:

Attached herewith is the City of Wichita Water Department's application for a supplemental grant from the Department of Commerce Economic Development Administration.

The grant request is for \$1,777,500 in funds to supplement an anticipated Department of Housing and Urban Development Direct Grant in the amount of \$1,958,000.

These combined monies will provide 50% funding of a public works project consisting of an all electric high service pumping station to replace the present antiquated station, a 7.5 million gallon treated water storage reservoir to provide peak demand and fire service capabilities, and water mains to serve the industrial districts and parks.

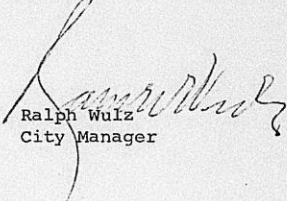
The total project cost is \$7,471,000. This project has been fully described in the approved OEDP and is one of the highest priority projects of the City of Wichita.

THE CITY OF WICHITA 2

March 16, 1971

For additional information, please contact Robert H. Hess,
Director of Water and Water Pollution Control, City of Wichita,
104 S. Main, Wichita, Kansas 67202, (316) 262-0611, Ext. 395.

Respectfully submitted,


Ralph Wulz
City Manager

RW/RHH

Enclosures

cc: Joe O'Brien, Metropolitan Planning & Development Representative
Housing and Urban Development Area Office
One Gateway Center, 5th & State
P. O. Box 1339
Kansas City, Kansas 66117

PROFILE
SCOPE OF PUBLIC WORKS PROJECT

Prepared by A. Gaston Franks
Robert H. Hess /3-15-71
Name Date

Project Applicant: City of Wichita Water Department, Robert H. Hess, Director
Name of Applicant (City-Non-Profit Group-County-State)

104 S. Main, Wichita, Sedgwick County, Kansas, (316) 262-0611, Ext. 395

Project Purpose: Construction of a High Service Pumping Station, 7.5 million
Description
gallon Treated Water Reservoir, and water mains to serve industrial districts
and parks.

Project Financing: HUD-\$1,958,000 0 EDA-\$1,777,500 \$3,735,500
Grant Loan Supplemental Local Share

Pre-Application Conference: Applicant will meet with committee in Austin,
Location (Complete Address)
Texas, date and time to be determined.

I. Proposed Facility

A. What kind of facility is being proposed?

High service pumping station, 7.5 million gallon reservoir,
industrial distribution - water mains to industrial districts & parks

B. If water and/or sewer facility, show percent project cost allocable
to: Industrial/commercial use 60% Residential use 40% Other -

C. Would it be eligible for consideration or funding under other
existing Federal or State grant and/or loan programs? Yes X No -

D. If yes, describe the eligible program(s)

The Department of Housing and Urban Development has on file an
application for the high service pumping station, HUD Project
WS-KANS-83. Also on file Project WS-KANS-83A, 7.5 million gallon
clear water reservoir.

II. Cost Estimates

A. Are line item estimates known? i.e.: land, construction, machinery,
and equipment, etc.: yes X no -

B. Are estimates fairly firm? yes X no -

II. (Continued)

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- C. Who developed estimates: Planning official___ architect/engineerX
other___ (Describe)

Black & Veatch Consulting Engineer, K.C., Mo. - High Service
Pumping Report, projected water main construction.

- D. Is person(s) identified in 2C: employee of applicant___, under
contract to applicantX, other (describe)

- E. What is the source of applicant's matching share of the project
cost?

Revenue bonds issued as a lien against revenues of the utility.
Resolution of intent to issue revenue bonds adopted by the City
of Wichita Board of Commissioners.

- F. Is there a request for a supplementary grant to another agency?
Yes___ No X

1. Has the primary agency made a commitment? yes___ no X
2. Does the project conform to purposes of EDA Act and existing
EDA policy? yes X no___

III. Direct Impact

- A. What is the expected direct impact the project will have in
creating new jobs?

1. Applicant's estimate of jobs: 3,500
2. Field Coordinator's estimate after discounting:
3. Are estimates based on bird-in-hand? (check one)
Totally___; Partially X; No Bird-in-hand(speculation)___

- B. Does the project further the objectives of the Economic Opportunity
Act of 1964? yes X no___ If yes,

1. Explain how: to provide utility service to areas which are
being developed for the purpose of providing desirable jobs
to the under employed and the unemployed and to further the
economic goals of the community.
2. Is there a CAP? yes X no___ If yes:
3. Name of CAP and its director: Wichita Area Community Action
Program, Inc., John Dundes.

IV. Triggering Effect

(aside from the direct impact of the project itself)

A. Is there any expectation the proposed facilities will generate additional public investments? yes X no . If yes, provide best estimate:

- 1. Over what time period? 5 to 10 years
- 2. in what amounts? 10-20 million dollars
- 3. expected sources of these future investment funds?

Federal, State, City government, school board, grants and aids to other projects in the area.

B. Is there any expectation the proposed facility will generate additional private investments? yes X no . If yes, provide best estimates of:

- 1. the kinds of investments: industrial, commercial, residential
- 2. the time period in which they may be made: immediate-5 yr. period
- 3. the expected job impact in the time period: 3500 jobs

C. Describe any other expected effect the project will have on future development activities.

The construction of this project will enable the utility system to provide both reliable water and adequate service to all foreseeable industrial, commercial, and residential development. Availability of water service will encourage industrial expansion and location in the community's industrial parks and districts.

V. Relocation and other Statutory Requirements

A. For the principal beneficiaries

- 1. List the kinds of industries and the products manufactured or processed, or service provided:

<u>Industry</u>	<u>Product or service</u>
aircraft	
camping equipment manufacturing	
warehousing	
food warehousing	
cold storage	
meat packing & killing operation	
iron foundaries	
metal & steel fabrication	
cardboard and wooden box container manufacturing	
oil refining	
grain elevator storage	
scrap metal operations	
wholesale lumber	
canning operations	
railroad maintenance terminals	

V. (Continued)

A. (Continued)

2. Is there a possible relocation problem? yes___ no x If yes, describe.
3. Is there sufficient assurance that all required certification on Civil Rights and relocation will be executed? yes x no___
If no describe problem.

VI. Construction Implementation

- A. What are the number of months required for
 1. start of construction (from approval of project): 90 days
 2. completion of construction (from start of construction): 18-24 mos
 3. initial operation (from completion of construction): immediate
- B. Is there a pool of local labor that can be used on construction?
yes x no___

PROFILE
ECONOMIC DEVELOPMENT PROCESS

Prepared by A. Gaston Franks
Robert H. Hess /3-15-71
Name Date

Project Applicant: City of Wichita Water Department, Robert H. Hess, Director
Name of Applicant (City-Non-Profit Group-County-State)

104 S. Main, Wichita, Sedgwick County, Kansas, (316) 262-0611, Ext. 395

Project Purpose: Construction of a High Service Pumping Station , 7.5 million
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Project Financing: HUD-\$1,958,000 0 EDA-\$1,777,500 \$3,735,500
Grant Loan Supplemental Local Share

Pre-Application Conference: Applicant will meet with committee in Austin,
Location (Complete Address)
Texas, date and time to be determined.

I. Describe Applicant's attitude toward growth of his community. Comment of effectiveness of Mayor or City Council in promoting growth.

City of Wichita's governing body has a very positive attitude toward its role in promoting community growth and working with the private sector. The city organizational structure includes an Industrial Development Office, the staff of which works with new and existing industry on problems relating to city government. The city works with the Chamber of Commerce and other interested private agencies to provide for industrial development and assistance to prospective industry. The City of Wichita is increasing its role of leadership in developing new industrial interest in the community including research conducive to expansion of existing industry. Recommendations are solicited from the Wichita business community to develop a public works program which will stimulate economic growth. An aggressive industrial revenue bond program has been pursued by the City of Wichita. The City's Urban Renewal Agency is in the process of the development of an industrial park which will be given a tax advantage as an industrial district comprising the heavy industrial area of the city.

II. Describe degree to which local planning is now going on.

City and County governments have cooperated on a metropolitan approach for the last 10 years through the Federal 701 planning grants. A comprehensive plan for metropolitan development has been submitted and approved by the Ft. Worth offices of HUD. The plan is presently being updated. The water and sewer elements plan is presently being updated in conformance with Federal requirements to maintain certification for federal grant in aid projects. It is anticipated that the present

II. (Continued)

comprehensive plan update will be filed with the area offices of HUD in Kansas City, Kansas on October 1, 1971.

III. Identify banking and lending institutions in the community and indicate their attitude toward growth.

The city has a number of national and state banks as well as savings and loan institutions and insurance companies which are frequently involved in providing the capital for local developmental projects. Executive staffs of the banking community in Wichita play a very positive and definite role in the community planning process. In 1963, Wichita Area Development, Inc. was formed to provide financing for new and expanding industry which cannot secure funds through normal channels. Original capitalization of over \$200,000 raised through public subscription has been used to provide loans in combination with the Small Business Adm., Kansas Dev. Credit Corp. and local banks.

IV. Describe this community's participation with the county OEDP organization.

Sedgwick-Butler county SMSA was designated an economic redevelopment area and both counties have OEDP committees. An OEDP report has been filed and approved by the Department of Commerce EDA. Overall community participation in the OEDP Committee appointed by the governing body of the City of Wichita and Sedgwick County Commissioners is representative of the total economic strata of the Wichita community.

V. Indicate what the present public facility needs are in the community (water-sewer-schools-hospitals, etc.)

Attached and made a part of this application is the Water Department's long-range Capital Improvement Program. The Wichita Sedgwick County Metropolitan Area Planning Commission has completed the following elements of the comprehensive plan which detail public facility needs commensurate with projected growth patterns.

- 1. Transportation Plan
- 2. Library Facilities Plan
- 3. Open Space, Park & Recreation Plan
- 4. Basis & Plan for the Pattern of Residential Growth.
- 5. Commercial Land Use Plan
- 6. Industrial Land Use Plan
- 7. Fire & Police Facilities Plan

The proposed Water Department facilities have been reviewed by the MAPC and determined to be in conformance with the comprehensive plan.

VI. Describe the community's borrowing capacity in terms of present assessments, utility rates, and ability to use referendum approach.

The state statute provides that the City of Wichita can issue revenue

VI. (Continued)

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bonds outside its general obligation bond limits for the purposes of financing water and sewer utility improvements. The water, electric, and gas utility rates for the City of Wichita are available upon request. The state statute does not require the City of Wichita to hold bond elections for water utility improvements funded by revenue bonds. City Commission has passed a resolution authorizing issuance of revenue bonds immediately upon notification of grant approval.

VII. Identify, describe structure, and indicate effectiveness of all development organization in the community (LDC-C. of C., etc.)

The City of Wichita has for a number of years been quite active in the area of industrial acquisition, economic development, and providing information to stimulate the growth of present industry. The City of Wichita's Industrial Development office works closely with the Chamber of Commerce, Economic Development Division, and with the Kansas Gas & Electric Co's Area Development Department. All community leadership is called upon at various times depending on the economic development project under consideration. The banking, business, and labor organizations are forming the nucleus of cooperative efforts to revitalize the Wichita economy. The Kansas Development Credit Corporation provides loans to business organizations which involve greater risk than those normally undertaken by regular lending institutions. 420 banks have a line of credit with KDCC. Over \$7,000,000 has been loaned to 45 companies.

VIII. To what degree are private and public institutions involved in community development efforts? (Labor unions-churches-business-fraternal-college, etc.).

An effective industrial relations council made up of industrial relations managers for the major manufacturers has been successful in working with labor unions and keeping them informed as to the community planning. Wichita State University is utilized by almost all organizations within the city to generate information through the business school which has within its organization the Bureau for Business and Economic Research partially funded by the Chamber of Commerce and the City of Wichita. The University has within its Liberal Arts Department a Center for Urban Studies which organizes seminars and conducts surveys to keep community leadership abreast of comparative data with other communities similar in size to Wichita. The Urban League, Wichita Area Community Action Program, Inc., Model Cities Council, and Human Resource Development Advisory Board all open channels for poor, underprivileged, and minority influence on the planning of the community.

- 4
- IX. What other Federal and State programs has this community used? What programs or projects are being planned?

The City of Wichita, county government, and the Wichita School Board utilizes to the best of their ability all Federal and State grant-in-aid programs. Wichita has been designated a model cities area, and has recently been granted funds for its second year action program. A large number of public works projects have been partially funded by state and federal funds. A complete list of these projects can be provided if requested. The Wichita Water Department has received a grant-in-aid of construction from the Department of Housing and Urban Development for installation of a 48-inch water transmission main.

- X. Is this community part of a county which is in a District? If yes, does community leadership actively participate?

Sedgwick-Butler County SMSA has been designated as an economic re-development area. The formation of an economic development district is presently in the developmental stage. Kansas Governor Robert Docking has submitted a letter to Washington officially requesting designation of Sumner, Cowley, Sedgwick, and Butler Counties as an economic development district.

- XI. Is it possible to identify the poor and unemployed in the community by section of the city in which they live; by welfare payments; by unemployment insurance, etc.?

Yes, it is possible to identify the poor and unemployed by several criteria. Preliminary 1970 Census Tract data is available. Other available reports include "People of Wichita" taken from 1960 census data, "Profile of Wichita" prepared by the Community Planning Council, and the "Community Profile" prepared by the Model Cities Agency during the planning stage and its three-phase program for development. Recently a Wichita Individual Assistance Project was initiated for the purpose of centralizing the distribution of all public assistance and to provide data information on recipients. The area designated by the Model Cities Program as the Model Neighborhood Area includes the majority of the communities poor and unemployed.

- XII. What capital programs or investments have been made in the community in the last five years and what are being planned?

Please find enclosed a map detailing the Water Department Capital Improvement Program and identifying the pump station and reservoir's centralized location as well as water mains to serve industrial districts.

The following are a few of the major capital improvements in the City of Wichita in the past five years.

1. New Civic Center
2. New library facility

XII. (Continued)

3. Major Water Distribution Main.
4. Phase I and II of the Southwest Interceptor Sewer to serve the entire south and west part of Wichita.
5. Additional runways and improved terminal facilities at the Municipal Airport.
6. Lincoln Street Bridge and Dam part of the Arkansas River Beautification Project.
7. Major and decorative treatment of Douglas Avenue including brick design for area beautification.
8. 12 story addition to Southwestern Bell Telephone Company's office.
9. 5 story addition to Kansas Gas & Electric Company's building.
10. Garvey Center including two office buildings and the 27 story Holiday Inn Hotel.
11. Expansion of First National Bank.
12. Initial construction has begun on the 5 story Farm Credit Banks.
13. Construction by Coleman Co. of a new warehousing operation in North Industrial Park.
14. Completion of a new Montgomery Ward Building in major shopping center in southeast portion of city.
15. Major expansion of Wesley Hospital is completed and additional expansion is presently underway.
16. Extensive remodeling of several downtown office buildings and new buildings housing food services, overnight accommodations, car dealerships, and shopping centers have been completed along the U. S. Highway routes through Wichita.

PERSONAL OBSERVATIONS

1. How would you rate the Economic Development Process in this community:
(Check One) Non-existent___ Primitive___ Moderate X Advanced___
2. What do you think EDA should do in this community to (1) start the process if one does not exist; (2) accelerate the Process if it's now primitive or moderate; or (3) capitalize on the process if it's advanced.

The Wichita community needs the immediate assistance of EDA to help it recover from the high unemployment and economic slump it has experienced as a result of the heavy industrial lay-offs, particularly in aircraft manufacturing. If this assistance is made available for necessary capital improvement projects as well as for business loans to create new employment in diversified fields, it would assist Wichita's economic recovery. The afore mentioned capital improvement projects of the City of Wichita Water Department are improvements that must be completed if industry is to have water in sufficient quantity and pressure to meet the demands of industrial expansion and development.

WICHITA WATER DEPARTMENT CAPITAL IMPROVEMENT PROGRAM

1971

The City of Wichita's present pumping station was built in 1888 and has been modified and expanded numerous times to keep up with the growth of the city.

The station has reached its service capacity. Further modification is impossible and due to the age of the pumping equipment, it can no longer be considered dependable.

To provide water in sufficient quantity and with adequate pressure to meet the water demands and fire protection needs of present industry and to provide water service for growth of the industrial and commercial segments of the community, the following public works projects must be constructed:

1. An all electric high service pumping station with an initial pumping capacity of 130 million gallons of water per day.
Estimated cost: \$6,005,000. \$6,005,000
2. A 7.5 million gallon treated water reservoir. This facility would provide a proper balance of treated water available between the water treatment plant and the new pumping station.
Estimated cost: \$1,000,000. 1,000,000

Plans and specifications are complete on the above items and a contract could be let within 30 days after notification of a grant.

To adequately supply existing industry with water in sufficient quantity and adequate pressure, the following mains are necessary:

- | | |
|-----------------------------------------------------------|---------------|
| 3. 20-inch main in Central, Woodlawn to Armour | |
| Estimated cost: | 58,000 |
| 4. 24-inch main in Murdock, Edgemoor & Central | 228,000 |
| 5. 16-inch main in Armour, south of Second St. to Kellogg | 43,000 |
| 6. 20-inch main in Hillside, Bayley to Mt. Vernon | 100,000 |
| 7. 16-inch main in Waterman, Main to Commerce | <u>37,000</u> |
| Subtotal | \$7,471,000 |

These large transmission mains will provide a looped system necessary to provide reliable water service and fire protection.

Additional mains will be needed to supply water to new industry and industrial parks to be developed in the periphery areas of the city.

Plans and specifications on each of these mains can be completed 60 days after initiation and contracts can be let immediately thereafter.

See attached map for project location.

Deep Well Disposal Facilities	\$ 750,000
Facilities to handle wastes from lime softening water treatment operation and recycle backwash water	
Water Service Lines, new relocations & replacements	161,000
Distribution Mains, new relocations & replacements	547,500
Fire Hydrants, new relocations & replacements	55,000
Water Meters, new or relocated	152,000
Municipal Wells, Annual Replacement Program	35,000
Water System Equipment, Structures, Vehicular & Work Equipment	65,000
Subtotal	\$1,765,500
1971 Total	<u>\$9,241,500</u>

1972

Water Service Lines, new relocations & replacements	\$ 165,000
Distribution Mains, new relocations & replacements	795,000
Fire Hydrants, new relocations & replacements	55,000
Water Meters, new or relocated	155,000
Municipal Wells, Annual Replacement	35,000
Water System Equipment, Structures, Vehicular & Work Equipment	70,000
1972 Total	<u>\$1,275,000</u>

1973

Water Service Lines, new relocations & replacements	\$ 170,000
Distribution Mains, new relocations & replacements	843,000
Fire Hydrants, new relocations & replacements	55,000
Water Meters, new or relocated	160,000
Municipal Wells, Annual Replacement	35,000
Water System Equipment, Structures, Vehicular & Work Equipment	74,000
1973 Total	<u>\$1,337,000</u>

1974

Water Service Lines, new relocations & replacements	\$ 175,000
Distribution Mains, new relocations & replacements	855,000
Fire Hydrants, new relocations & replacements	55,000
Water Meters, new or relocated	165,000
Municipal Wells, Annual Replacement	35,000
Water System Equipment, Structures, Vehicular & Work Equipment	78,000
Lincoln Street Booster Station Renovate & Modernize	<u>5,000</u>
1974 Total	\$1,368,000

1975

Water Service Lines, new relocations & replacements	\$ 180,000
Distribution Mains, new relocations & replacements	866,000
Fire Hydrants, new relocations & replacements	55,000
Water Meters, new or relocated	170,000
Municipal Wells, Annual Replacement	35,000
Water System Equipment, Structures, Vehicular & Work Equipment	<u>82,000</u>
1975 Total	\$1,388,000

1976

Water Service Lines, new relocations & replacements	\$ 185,000
Distribution Mains, new relocations & replacements	875,000
Fire Hydrants, new relocations & replacements	55,000
Water Meters, new or relocated	175,000
Municipal Wells, Annual Replacement	35,000
Water System Equipment, Structures, Vehicular & Work Equip.	86,000
Elevated Storage Tank	<u>264,000</u>
1976 Total	\$1,675,000

1977

Normal Additions, Replacements & Improvements	\$1,500,000
Elevated Storage Tanks	<u>638,000</u>
	\$2,138,000

1978

Normal Additions, Replacements & Improvements	\$1,600,000
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1979-1980

Expand Existing Water Treatment Plant	\$10,000,000
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1966-1970

All Capital Improvements	\$7,844,568
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THE WICHITA-SEDGWICK COUNTY DEPARTMENT OF COMMUNITY HEALTH

OFFICE OF Environmental Health

DATE March 17, 1971

TO Robert H. Hess, Director of Water and Water Pollution Control

FROM James F. Aiken, Jr., Environmental Health Director

SUBJECT Environmental Impact Report for
EDA Application Entitled "City
of Wichita, Sedgwick County,
Kansas--Water Department Pump
Station, Reservoir and Water Mains"

A. Description of the proposed project and its purpose.

The proposed project provides for the construction of a new all electric high service pumping station and an underground clear water reservoir to be located on existing Water Department land located at Central and Seneca in Wichita, Kansas. The project also includes the construction of five segments of water mains generally located in the eastern area of the central business district and other eastern parts of the city. Maximum hour water demands on the Wichita water utility are expected to increase from 100.7 mgd to about 195 mgd in 1990. The existing water pumping station which was originally constructed in 1888 has a total rated capacity of 118 mgd but two of the existing pumping units are not considered reliable. The firm capacity of the existing pump station is 86.9 mgd. The proposed new pumping station would have an initial capacity of 130 mgd with provisions for installation of an additional 30 mgd pumping capacity. The construction of a new 7.5 million gallon clear water reservoir will provide total clear water storage capacity of 20.1 million gallons. The additional capacity is required to provide proper balance between pumping and treatment plant rates. The five water main construction proposals include water mains from 16 inches to 24 inches in size and are generally needed and required to adequately service existing industries located in the water service areas. The overall water utility improvement that will be provided by the construction of the water pumping station, the water reservoir and the water mains is not only to improve water service to existing industries within the water utility service area but also to provide the capability of providing water service to future industrial developments outside of the present water utility service area. There also will be the capability of providing adequate and continuous water service to surrounding municipalities such as Andover, Garden Plain, Goddard, Haysville, Kechi and Park City.

B. The probable impact of the proposed project on the environment.

The project will result in a considerable improvement in the environment within the immediate area of the pumping station and reservoir. The new all electric high service water pumping units will replace the existing gas engines and diesel pumping units, which will result in a significant and considerable decrease of noise levels not only in the pumping station itself but also in the surrounding area, which includes park, recreational and open space facilities

Robert H. Hess
March 17, 1971
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and activities. All atmospheric discharges from the pumping station will be eliminated. The environmental aesthetics in this open space area in relationship to the river will be enhanced and benefitted as the project has been carefully designed and coordinated to be an integral part of the river beautification plan. In addition, the ground level surface area of the underground reservoir structure has been designed to function as a parking area in relation to the anticipated park, recreational and open space utilization of the general area. The project, including the pumping station, reservoir and water main construction, will not only benefit water service to existing industries and commercial operations in Wichita but will also materially improve the capability of providing continuous water service to future industrial growth areas and existing surrounding municipalities.

C. Any probable adverse effect which cannot be avoided.

There are no known probable or potential adverse environmental effects which cannot be avoided.

D. Alternatives to the proposed project.

There are no practical alternatives to the proposed project. The water utility improvements must be made in order to prevent serious and costly water service breakdowns. A different site location for the pumping station and reservoir is not available or practical and the proposed location is appropriate in relation to the existing and anticipated land use in the general area. The only possible alternative would be in relation to the timetable on initiation of the project. The plan for this project has been developed on the basis that it is imperative that it proceed as quickly as possible.

E. Assessment of the proposed project for cumulative and long-term effects.

There are or will not be any adverse environmental effects, either cumulative or long-term, in relation to this project. The positive effect will, of course, relate to the improvement of the immediate and surrounding environment by elimination of noise and air pollution and the considerable aesthetic improvement. The positive effect of an immediate and long-term benefit will relate to improved water service for existing industrial service areas and the improved capability to serve future growth areas.

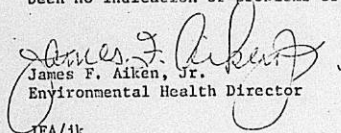
F. Any irreversible and irretrievable commitment of resources which would result from the proposed project.

The commitment of resources in relation to this project would appear to be the continuation of the land use as a part of the total water utility resource. The continuous use since 1888 of the considerable land area as the location of the water processing and water distribution facilities is expected to be enhanced on a permanent basis.

Robert H. Hess
March 17, 1971
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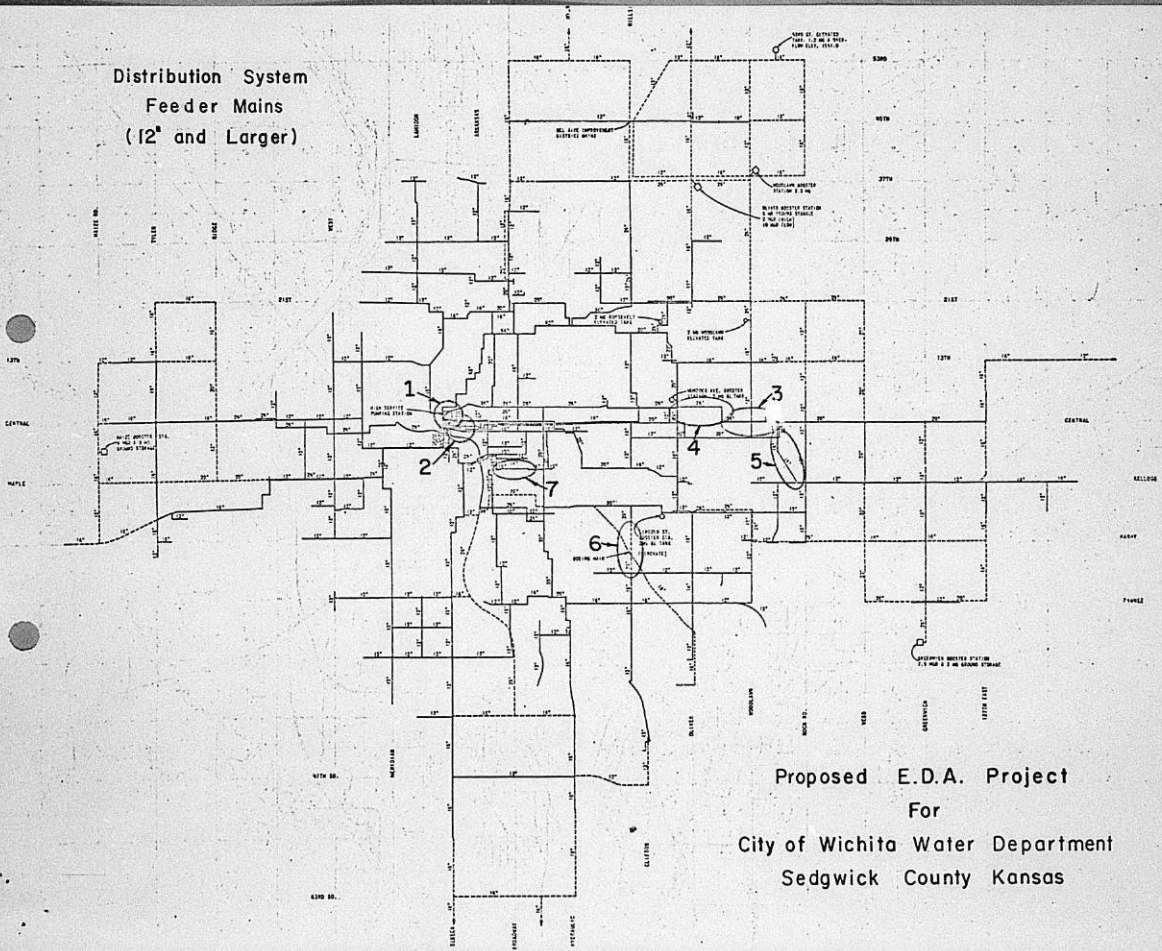
- G. Where appropriate, a discussion of problems and objections raised by other federal agencies and state and local bodies in the review process and the disposition of the issues involved.

This does not appear to be applicable, at least at this time, as there has been no indication of problems or objections raised by federal or state agencies.


James F. Aiken, Jr.
Environmental Health Director

JFA/jk

Distribution System
Feeder Mains
(12" and Larger)



Proposed E.D.A. Project
For
City of Wichita Water Department
Sedgwick County Kansas

THE CITY OF WICHITA

CENTENNIAL 1869-1969



WATER DEPARTMENT

AMHERST 2-0611 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN — WICHITA, KAN. 67202

March 17, 1971

James W. Bibb, Chairman
Kansas State Planning & Development
Clearing House
Kansas State Budget Department
Topeka, Kansas 66612

Re: City of Wichita Sedgwick County,
Kansas Water Department
Pump Station, Reservoir, and
Water Mains

Dear Mr. Bibb:

The City of Wichita Water Department does hereby request review and approval of an application for federal assistance pursuant to Part 1 of Bureau of the Budget Circular A-95.

An application for \$1,958,000 in funds for the projects described in the attachments is pending before the Department of Housing and Urban Development.

As Sedgwick County has been designated an economic re-development area, we are presently requesting \$1,777,500 in supplementary funds from the Department of Commerce Economic Development Administration.

This would provide 50% funding for the total project estimated to cost \$7,471,000.

Respectfully submitted,

A handwritten signature in cursive script that reads "Robert H. Hess".

Robert H. Hess
Director of Water and
Water Pollution Control

RHH/GWR/js

Enclosures

THE CITY OF WICHITA

CENTENNIAL 1869-1969



WATER DEPARTMENT
AMHERST 2-0611 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN — WICHITA, KAN. 67202

December 28, 1970

Robert A. Lakin, Secretary
Wichita-Sedgwick County Metropolitan Area
Planning Commission
104 S. Main
Wichita, Kansas 67202

Dear Mr. Lakin:

On January 23, 1970, the City of Wichita filed an application with the Department of Housing and Urban Development for a grant in aid of construction of a new high service pumping station and clear water reservoir.

HUD recently notified the city that the pumping station and reservoir would qualify as separate projects under present HUD guidelines.

The Board of City Commissioners has authorized the filing of an amended application on the pumping station and a separate application for the reservoir.

These requests would increase the total federal contribution to the projects from \$1,500,000 to \$1,958,063. Engineering cost estimates of the projects are \$6,004,332 for the pumping station and \$999,333 for the 7.5 m.g. clear water reservoir.

The review, comments and recommendations of the Wichita-Sedgwick County Metropolitan Area Planning Commission previously submitted with the grant request (WS-KANS-83) will be included in the amended applications.

Very truly yours,

Robert H. Hess

Robert H. Hess
Director of Water and WPC

RHH/GWR/js

*File
DR 69-18*

THE CITY OF WICHITA



WATER DEPARTMENT
AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN—WICHITA, KAN. 67202

February 16, 1970

Travis Wm. Miller
Assistant Regional Administrator
Department of Housing & Urban Development
819 Taylor Street
Fort Worth, Texas 76102

Dear Mr. Miller:

Ref: WS-KANS-83

On January 23, 1970, Mr. Lloyd Weller, Black & Veatch Consulting Engineer, Mr. Gary W. Richert, Administrative Assistant, and I had the pleasure of meeting with Messrs. Douglas Porter, Don Blevens, James Mullins, Jerry Hammon, and James Pitts for a pre-application conference concerning Project WS-KANS-83 City of Wichita High Service Water Pumping Station.

During the meeting Mr. Mullins requested that we submit letters from municipal bond counselors stating therein our financial capabilities to issue revenue bonds to fund the City's portion of the proposed project.

Submitted herewith are letters received from Mr. Don H. Alldritt, Mid-Continent Securities Co., Inc., and Mr. Ray Reed, First Securities Co., Inc.

I also submit a letter received from Mr. Frank H. Carpenter confirming review of the project by the City Demonstration Agency and progress to date on the citizen participation requirement.

We will be pleased to provide additional information as you may request.

Sincerely,

A handwritten signature in cursive script that reads "Robert H. Hess".

Robert H. Hess, Director
Water & Water Pollution Control

RHH:sc





MID-CONTINENT SECURITIES CO., INC.

CENTURY PLAZA / (316) 262-4462
WICHITA, KANSAS 67202

February 10, 1970

Mr. Travis Wm. Miller
Assistant Regional Administrator
Metropolitan Development
Department of Housing and Urban Development
819 Taylor Street, Room 13A01

Dear Mr. Miller:

Ref: WS-KANS-83

At the request of the City of Wichita Department of Water and Water Pollution Control, I have reviewed the financial statements of the utility and submit herewith my opinion as to the ability of the Wichita utility to issue revenue bonds.

The Wichita Water Utility is authorized to issue revenue bonds per K. S. A. 10-1201 et seq. and City of Wichita Ordinance No. 28-283 to finance the cost of improvements, enlargements, extensions, or additions to the utility system.

The governing body of the City of Wichita has adopted a resolution and published official notice of intent to issue revenue bonds in an amount not to exceed \$2,065,000 to be used in conjunction with an anticipated federal grant of \$1,500,000 to finance construction of a high service pumping station.

1969 net revenues of the Wichita Water Utility indicate that projected revenues would be sufficient to maintain debt service coverage of 120% as required per Ordinance No. 28-283, including the issuance of an additional \$2,065,000 in revenue bonds.

As of December 31, 1968, long term debt of the utility totaled \$86,160,088. \$46,756,091 is held in a trust fund to redeem Series 1957 and 1962 bonds. Additional long term debt includes repayment to the federal government for municipal water rights, of which \$5,327,867 is currently outstanding.

Previous issues of general obligation bonds of the City of Wichita have been rated A-1. However, present economic conditions affecting the market for bonds make it virtually impossible at this time for any municipality in the State of Kansas to sell bonds.

Mr. Travis Wm. Miller
February 10, 1970
Page 2

Under the present Kansas law (K. S. A. 10-1207) revenue bonds shall bear interest at a rate not to exceed 6% per annum. House Bill No. 1958, an amendment to K. S. A. 10-1207, has been introduced into the Kansas State Legislature to raise the interest rate ceiling to 8%.

Subsequent to passage and adoption of this bill, the City of Wichita Department of Water and Water Pollution Control is capable of issuing the necessary revenue bonds.

Yours truly,

MID-CONTINENT SECURITIES CO., INC.



Don H. Alldritt, President

DHA:lam

FIRST SECURITIES COMPANY

OF KANSAS INCORPORATED

INVESTMENT SECURITIES

SCHWEITER BUILDING

WICHITA, KANSAS

February 14, 1970

Mr. Travis Wm. Miller,
Assistant Regional Administrator,
Metropolitan Development,
Department of Housing and Urban Development,
819 Taylor Street, Room 13A01,
Fort Worth, Texas 76102.

Reference: PROJECT WS-KANS-83

Dear Mr. Miller:

Mr. Robert H. Hess, acting on behalf of the Department of Water and Water Pollution Control of the City of Wichita, has asked that I review the City's proposed Waterworks Revenue Bond Issue. It is my understanding that the Department of Housing and Urban Development has requested a preliminary analysis on the financing phase of the project as a part of the application for a \$1,500,000 "aid-in-construction" grant to provide for a new high service pumping station.

The Board of City Commissioners of the City of Wichita has adopted a Resolution indicating their intention to finance the City's share of the project by issuing Waterworks Revenue Bonds in the amount of approximately \$2,065,000. We have reviewed the financial reports of the water utility department and the estimates of the revenues anticipated from utility operation in future years. These estimates were prepared by the system's consulting engineers in a report identified as "1968 Report on Operation and Condition of the Utility". It appears from such estimates and projections that the revenues will be sufficient and adequate to pay the cost of operation, maintenance, and improvement of the utility system. Revenues are projected as adequate to provide a normal depreciation fund and provide sufficient monies to pay principal and interest of presently outstanding Water Utility Revenue Refunding Bonds, Series of 1965, and provide monies to satisfy the principal and interest requirements of \$2,065,000 additional Revenue Bonds now being contemplated.

The new bonds are to be issued in accordance with Section 205 of Ordinance 28-283 of the City of Wichita and will be issued immediately after the grant has been approved. At the present time, House Bill #1958 has been approved by the proper committee in the Kansas Legislature, which Bill increases the statutory interest rate authorizations for all general obligation and revenue bonds in the State of Kansas. The authorizations of this Bill are adequate to permit the City of Wichita to effectively market the \$2,065,000 Revenue Bond Issue for the construction of the new high service pumping station. We therefore wish to assure your office that the City of Wichita, through its Department of Water and Water Pollution Control, has the financial capacity and capability to issue \$2,065,000 additional Waterworks Revenue Bonds.

FIRST SECURITIES COMPANY
OF KANSAS
INCORPORATED

Mr. Travis Wm. Miller
Fort Worth, Texas 76102.


February 14, 1970

Page 2.

It is a pleasure to be of service to you and should you wish more definitive details relative to bond issuing procedures and capacities in the State of Kansas, please do not hesitate to call on us.

Very truly yours,

FIRST SECURITIES COMPANY


Ray T. Reed, Jr.
President

RTR:fm

THE CITY OF WICHITA



OFFICE OF THE CITY MANAGER
CITY DEMONSTRATION AGENCY
AMHERST 2-8211 — AREA CODE 316
CITY BUILDING — 204 S. MAIN ST.
WICHITA, KANSAS 67202

January 26, 1970

Mr. Doug C. Porter
819 Taylor Street
Fort Worth, Texas

Dear Mr. Porter:

The need to acquaint the residents of the MNA with the proposal grant application WS - Kans - 83, a new high service pumping station, is of vital importance. The fact sheet has been prepared and the CDA staff stands ready to make a presentation to the Councils. The anticipated meeting of the councils has not been possible. The election for council members was completed on January 17th. Not until the councils are officially certified and elected members sworn into office can official business commence. It is our hope to obviate these technicalities by mailing out to council members prior to the first series of council meetings the prepared fact sheet. The first council meeting will take place no earlier than the week of January 26th. Recognizing the requirement of citizen reaction to the grant application, it will not be possible to have a written sign-off until the week of February 2nd.

The CDA has reviewed the Model Cities plan and anticipate the proposal project to be compatible with the problem identification in Phase 2 and 3 by the citizens and in our judgment is not in violation of their interest. With this previous statement, we hope to conditionally satisfy the local water department submission requirement of citizen revision and reaction. When the councils have been informed, this action will be submitted as an amendatory to this letter.

Sincerely,

A handwritten signature in cursive script that reads "Frank H. Carpenter".

Frank H. Carpenter,
Executive Deputy Director

FHC:cc

L. J. [unclear]

THE CITY OF WICHITA
OFFICE OF WATER DEPARTMENT

DATE January 26, 1970



TO FILE

FROM Robert H. Hess, Director of Water & Water Pollution Control

SUBJECT WS-KANS-83
Pumping Station & Storage Reservoir

At 8:50 a.m. January 23, 1970, Lloyd Weller, Black & Veatch, Gary Richert and myself went to the office of Travis Wm. Miller and met Douglas C. Porter, Metropolitan Development Representative, and James Pitts, Planning Intern, who reviewed our application and then reviewed it with each of the following:

- Don Blevens, Engineering
- James Mullins, Finance
- Jerry Hammon, Planning

All indicated that the application was entirely satisfactory. Others who have been contacted in connection with this project are:

- H. Earl Rosamond, Assistant Regional Administrator
Program Coordination and Services
- Travis Wm. Miller, Assistant Regional Administrator
for Metropolitan Development
- Larry Q. Brown, Chief, Processing Control and
Reports Branch
- Conn D. Catterton
- Douglas McEnery



James Mullins
Gary Hammon
[Signature]

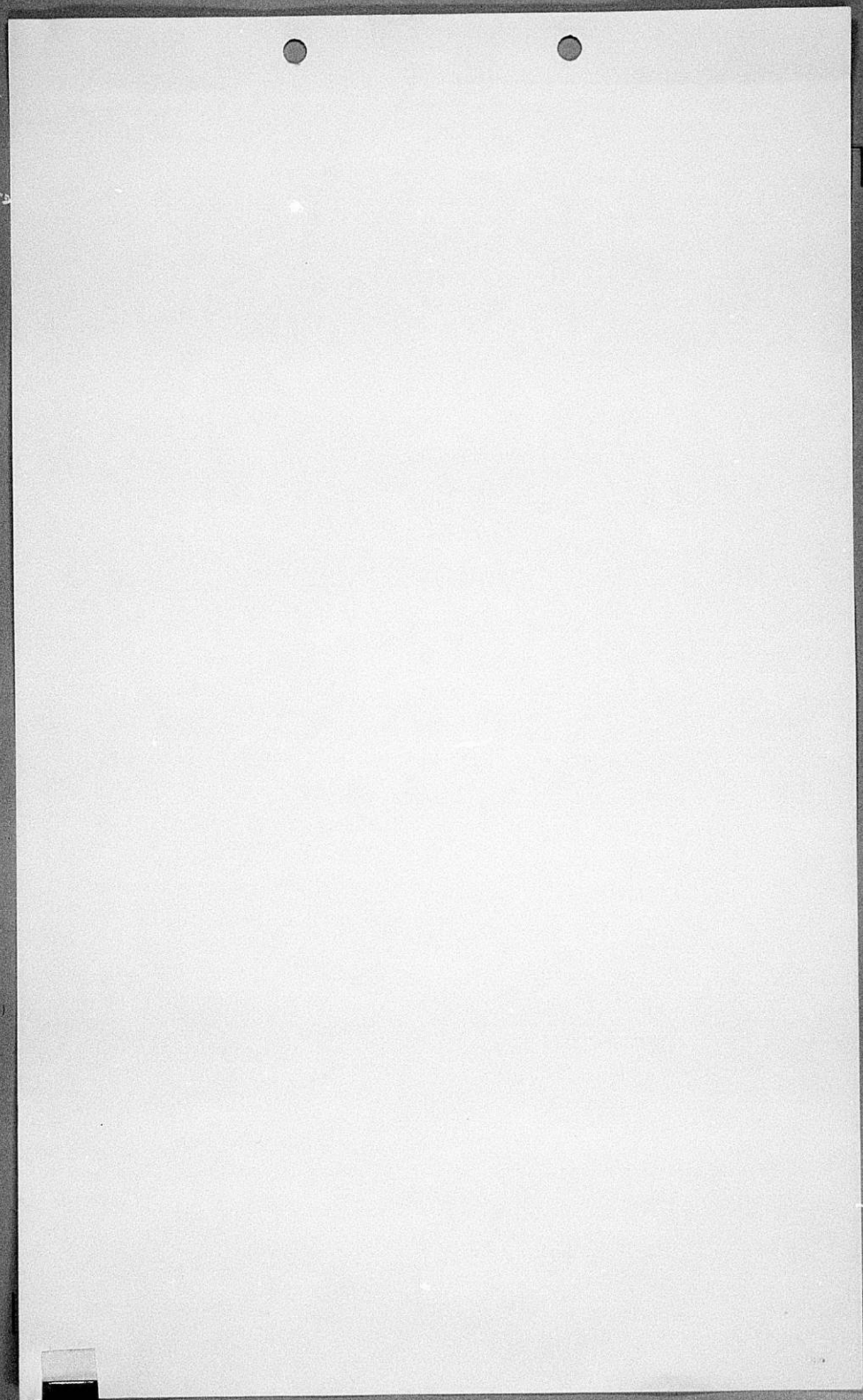
Robert H. Hess
Director of Water & Water Pollution Control

RHH:bg

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II. Review & Comments, Metropolitan Area Planning Commission	Certification that the proposed project does conform with the comprehensive plan developed or in the process of development for the Wichita-Sedgwick County Metropolitan Area
III. Comments & Recommendations of City Demonstration Agency	Certification that the proposed project does conform with the comprehensive plan of the Model Cities Neighborhood Development Program in the Wichita metropolitan area
IV. Resolution of Governing Body	Resolution by the Board of City Commissioners to file the application - HUD 41401A and assurance of compliance with regulations of Title VI of the Civil Rights Act of 1964, Form HUD 41901 & Form HUD 41903
V. Engineering Data	Form HUD 41401-1 and contract for in-depth study of high service pumping station
VI. Financial Data	Resolution and public notice regarding revenue bonds for financing the City's share of the project cost and Form HUD 41401-2
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X. Notification to Regional Planning & Development Clearing House	Review and comments
XI. Consulting Engineers' Report	"Report On High Service Pumping" prepared by Black & Veatch Consulting Engineers, 1969





August 29, 1969

Water and Sewer Facilities
Grant Program
Wichita, Kansas

Mr. Travis Wm. Miller
Assistant Regional Administrator
Metropolitan Development
Department of Housing and Urban Development
819 Taylor Street, Room 13A01
Fort Worth, Texas 76102

Dear Mr. Miller:

We are submitting, herewith, the completed Standard Form 101 preliminary application for federal assistance in financing construction of a High Service Pumping Station.

The High Service Pumping Station described in this application is essential to replace the original station which was built in 1888 and has subsequently been modified and expanded numerous times.

The existing High Service Pumping Station capacity is inadequate and projections indicate that this capacity will have to be doubled in approximately the next 20 years to be consistent with the overall development of the urban area.

Support for this statement is contained in this application in which the findings and endorsements of the Metropolitan Area Planning Commission and the consulting engineers are also presented.

The importance of this project has been recognized by the City of Wichita Board of Commissioners, the Wichita-Sedgwick County

Metropolitan Area Planning Commission, and other government officials in the metropolitan area.

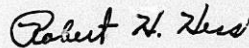
The City Demonstration Agency has reviewed the project and recognizes its importance in the future development of the Model Neighborhood Area.

The current-and-projected capital improvement program for the City of Wichita includes budgetary provisions to fund our portion of the project cost.

We are enclosing one copy of the Black & Veatch, Consulting Engineers, "Report On High Service Pumping" for your information.

Please advise if additional information is desired.

Very truly yours,



Robert H. Hess, Director
Water & Water Pollution Control

RHH:GWR:sc

Enclosure

cc: Ralph Wulz, City Manager

4. METHOD OF FINANCING (In thousands of dollars)

SOURCE OF FUNDS	C O M P O N E N T S				TOTAL
	W A S T E		WATER (3)	OTHER (Describe in G. below) (4)	
	TREATMENT (1)	COLLECTION (2)			
A. FEDERAL GRANT REQUESTED	\$	\$	\$ 1,627,500	\$	\$ 1,627,500
B. FEDERAL LOAN REQUESTED					
C. OTHER FEDERAL CONTRIBUTION					
D. STATE CONTRIBUTION					
E. APPLICANT CONTRIBUTION			1,935,500		1,935,500
F. ESTIMATED TOTAL PROJECT COST	\$	\$	\$ 3,563,000	\$	\$ 3,563,000
G.					

5. OTHER FEDERAL ASSISTANCE - PREVIOUS OR PENDING

NAME OF AGENCY	TYPE OF ASSISTANCE	INDEBTEDNESS OUTSTANDING, IF ANY	AMOUNT REQUESTED

The applicant represents that the data in this application are true and correct to the best of his knowledge and belief and that the filing of this application has been duly authorized by the governing body of the applicant.

EXACT LEGAL (Corporate) NAME OF APPLICANT (If unincorporated, enter proposed name)

City of Wichita
Wichita, Kansas

ATTEST (Signature of attesting officer)

Ralph C. Eberly
TITLE
Ralph C. Eberly, City Clerk

BY (Signature of authorized officer)

Donald K. Enoch
TITLE
Donald K. Enoch, Mayor

NOTE: Additional Information May Be Requested To Support This Application.
(DO NOT WRITE IN THIS SPACE - FOR GOVERNMENT USE ONLY)

PUBLIC INTEREST AND NECESSITY

The City of Wichita's present pumping station was built in 1883 and has been modified and expanded numerous times. The latest pump was installed in 1954 and some of the pumping units are over 30 years old. The total rated capacity of this station is 118 M.G.D. but two of these pumping units are not considered reliable. The firm capacity of the existing pump station is 86.9 M.G.D., and this capacity has been exceeded on numerous occasions.

The population growth for the City of Wichita has followed a continuous increased pattern and water demands have followed a similar pattern. Maximum hour water demands are expected to increase from 100.7 M.G.D. to about 195 M.G.D. in 1990.

With these considerations and the need for a reliable pumping station, the City of Wichita on May 29, 1967 entered into a contract with Black & Veatch, Consulting Engineers of Kansas City, Missouri, for an indepth study of Wichita's pumping station. The Black & Veatch "Report On High Service Pumping" for the City of Wichita was completed on July 9, 1969 and received and filed by the City of Wichita at the Commission Meeting of July 29, 1969. The report indicated that:

- (1) Existing facilities for treating and storing water have a hydraulic capacity of 150 mgd and an optimum operating capacity of 110 mgd. The layout of the existing pumping station, the elevations of the existing pumps and the arrangement of existing suction piping make it difficult to operate this station at a sustained high rate.
- (2) Additional storage capacity of 7.5 million gallons of clear water is required to provide proper balance between pumping and treatment plant rates.
- (3) Hydraulic studies indicate that the existing suction lines have sufficient capacity for the present pumping station. Present operating difficulties are caused

by the suction lines and pumping units being installed at too high an elevation. Suction lines and pumps have to be operated under negative head conditions during peak periods of water demands.

- (4) Firm capacity of the pumping station should be between 145 and 165 mgd to meet the projected pumping rates for the next 15 to 20 years. A pumping station with a capacity of 152 mgd would be consistent with the treatment plant capacity.
- (5) Expansion of the pumping and storage facilities cannot be done in the same manner and pattern as previous additions if the existing site area is to be utilized properly. The number of pumping units should be reduced to provide increased operation-maintenance efficiencies. Remodeling the existing pumping station and associated piping would cost almost as much as new facilities.

As a result of their findings, the following recommendations were made:

- (1) It is recommended that the City construct a new electric pumping station as soon as plans, specifications and financing can be arranged. The proposed pumping station would have an initial capacity of 130 mgd and provisions for installation of an additional 30 mgd of pumping capacity.

The estimated cost for this pumping facility is \$3,000,000. This cost includes all the required facilities for the complete pumping station and other associated expenditures.

- (2) It is recommended that the City construct a 7.5 million gallon reservoir in the vicinity of the new pumping station. The estimated cost for this facility is \$560,000. The total clear water storage capacity will be 20.1 million gallons with this addition.
- (3) It is recommended that the City begin negotiations with the power company to obtain an auxiliary power supply. This auxiliary power supply should be located underground and connected directly to the station bus

in the Wichita Power Plant. Exact details concerning the operation and auxiliary power facilities should be obtained from the power company.

The City of Wichita Water Department presently serves 70,945 residential, 9,269 commercial, 178 industrial and 678 municipal customers for a total of 81,070.

The High Service Pumping Station is an important element of the comprehensive area-wide water system program and its completion will be of particular significance to the city's northeast quadrant. The low pressure conditions that exist in this area during high water demands were previously described in the city's application to HUD for assistance in the financing of the northeast transmission main now approved and designated as "HUD Project WS-KANS-70." This project is under construction and is considered as Phase I by the Department to provide adequate and reliable water service to the city.

Within the northeast quadrant of the city there are 5.07 square miles that have been designated by HUD as a Model Neighborhood Area. There are 28,658 people or 10.1% of the total city population within this Model Neighborhood Area, even though the area comprises less than 6% of the total City of Wichita land area.

Although projects of this nature are not a direct part of the Model Cities Program, the High Service Pumping Station, Phase II, of the urban area water system development program will provide reliable service and fire fighting capabilities to the northeast quadrant. Because of the congested conditions in the Model Neighborhood Area, this could be of particular importance in case of a major conflagration.

Pursuant to Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966, the application was reviewed by the Wichita-Sedgwick County Metropolitan Area Planning Commission, whose comments and recommendations are included in this application.

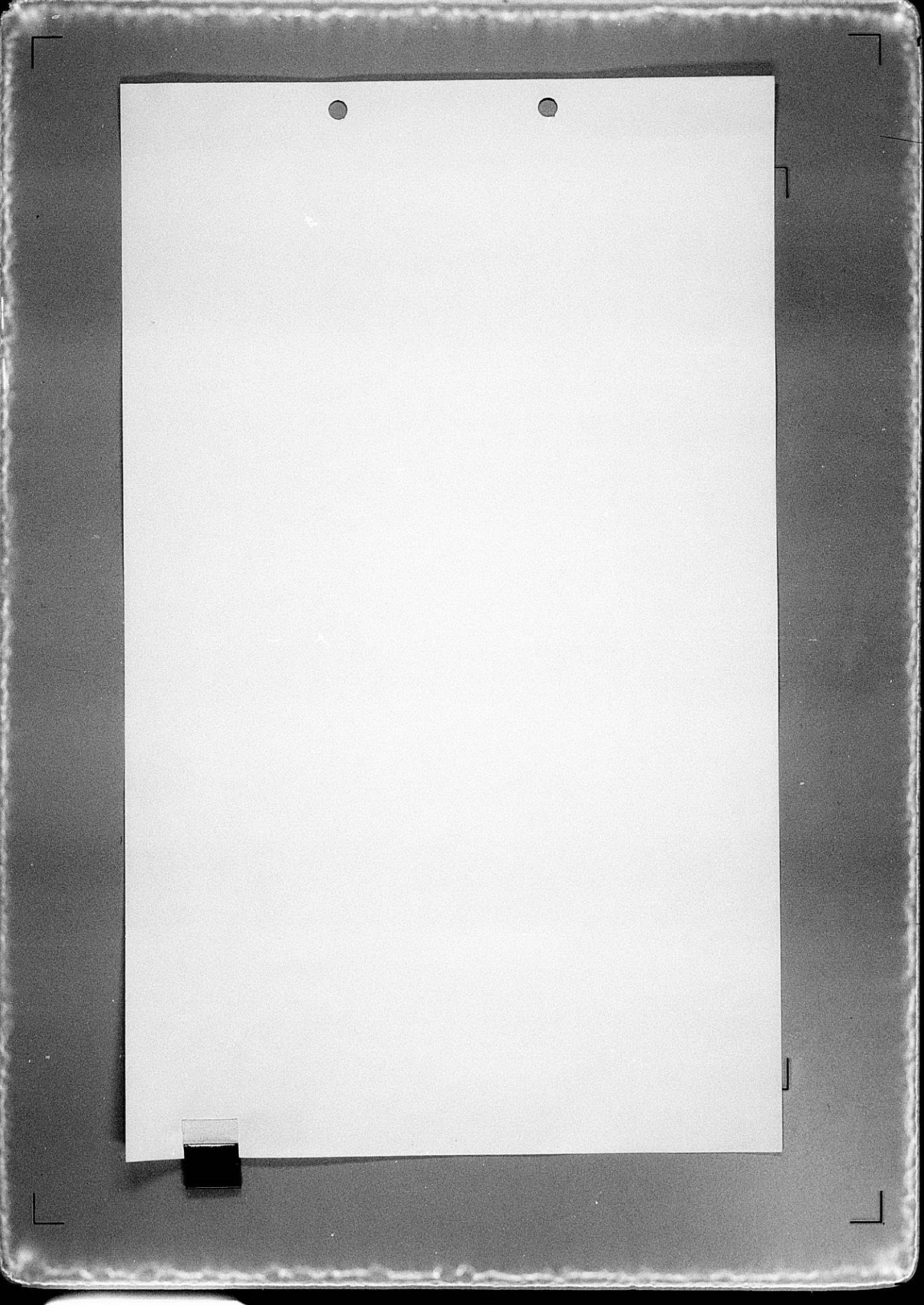
The design of the proposed pumping station will provide capacity to service the surrounding communities which include the cities of Andover, Garden Plain, Goddard, Haysville, Kechi, and Park City.

DESCRIPTION AND PURPOSE OF PROPOSED PROJECT

ITEM ADDITIONAL INFORMATION

The project will provide pumping and clear water storage capacity to adequately serve the present requirements as well as the projected growth requirement for the entire City. Black & Veatch, Consulting Engineers, Kansas City, Missouri have prepared a report for this project. Item description and estimated costs are as follows:

<u>Item No.</u>	<u>Description</u>	<u>Construction Cost</u>
1.	Land and Rights-of-Way	-0-
2.	Pumping Station	\$2,610,000
3.	Clear Water Storage Reservoir	<u>490,000</u>
Subtotal Construction		\$3,100,000
Contingency (5 per cent)		<u>155,000</u>
Estimated Construction Cost (Grant Base)		\$3,255,000
Engineering		155,000
Resident Inspection		46,500
Legal Expense		8,000
Administrative Expenses		16,000
Other Costs		2,000
Government Field Expense		<u>12,400</u>
Subtotal		\$3,494,900
Project Contingency		<u>70,100</u>
TOTAL PROJECT COST		\$3,565,000



WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202


August 25, 1969

Ralph Wulz, City Manager
City of Wichita
204 South Main
Wichita, Kansas 67202

Dear Mr. Wulz:

The Wichita Water Department, acting for the City of Wichita, requested that the Metropolitan Area Planning Commission review their application for a Federal grant which would be used toward financing the construction of a new High Service Pumping Station which would replace the existing obsolete facility. Pursuant to Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966, the application was reviewed by the Planning Commission at their regular meeting on Thursday, August 14, 1969. Also, in compliance with the instructions from the Department of Housing and Urban Development, the application was presented to the City Demonstration Agency who reviewed it for conformance with the Model Cities Planning Program. The comments of the Metropolitan Area Planning Commission and the City Demonstration Agency are attached herewith for inclusion in the application.

Yours very truly,


Robert A. Lakin,
Secretary

RAL:JPL:hh

Enclosures

cc: Robert Hess, Director of Water and Water Pollution Control.

COMMENTS AND RECOMMENDATIONS
OF
STATE, METROPOLITAN OR REGIONAL PLANNING AGENCIES

August 25, 1969

Planning Agency:

Name Wichita-Sedgwick County Metropolitan Area Planning
Commission

Address 104 South Main, Wichita, Kansas 67202

Source of Authority for Establishment of Agency See

Attachment - Exhibit "A"

Grant Applicant:

Name City of Wichita, Kansas c/o Ralph Wulz, City Manager

Address 204 South Main, Wichita, Kansas 67202

Project Description:

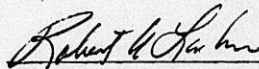
Case DR 69-18
High Service Pumping Station for City of Wichita

Certification:

The project described above does (X) does not () conform
with the Comprehensive Plan developed or in the process of
development for the metropolitan area in which it is located.

Comments and Recommendations:

See Attachment - Exhibit "B"



Robert A. Lakin, Secretary
Wichita-Sedgwick County Metro-
politan Area Planning Commission

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

August 25, 1969

"EXHIBIT A"

AUTHORITY FOR ESTABLISHMENT OF THE WICHITA-SEDGWICK COUNTY
METROPOLITAN AREA PLANNING COMMISSION IS BY:

Joint agreement between the City of Wichita and Sedgwick County under the laws of the State of Kansas, K.S.A. 1965 Supp. 12-716 et. seq., and

Membership of cities in the Metropolitan Area Planning Commission is authorized by a joint resolution between the Board of County Commissioners of Sedgwick and Sumner Counties, and by ordinance enacted by the Cities of Wichita, Haysville, Derby, Valley Center, Mulvane, Cheney, Andale, and Goddard.

Applicable ordinances enacted by the cities are:

City of Wichita	No. 29-610
City of Haysville	No. 238
City of Derby	No. 741
City of Valley Center	No. 413
City of Mulvane	No. 375
City of Cheney	No. 386
City of Andale	No. 68-1
City of Goddard	No. 52

The Metropolitan Area Planning Commission was certified on June 20, 1967, by the Secretary of Housing and Urban Development as the areawide review agency for Sedgwick County under Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966.

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

August 25, 1969

EXHIBIT "B"

COMMENTS AND RECOMMENDATIONS

Re:
DR 69-18
High Service
Pumping Station

At their regular meeting on August 14, 1969, the Wichita-Sedgwick County Metropolitan Area Planning Commission acting in accordance with Section 204 of the Demonstration Cities and Metropolitan Act of 1966, reviewed a proposal submitted by the Wichita Water Department for a new high service pumping station. The review was to determine whether the project is in conformance with elements of the comprehensive plan which are in the process of development for the Wichita-Sedgwick County Metropolitan Area. Results of the Planning Commission's review follows:

- A. The proposed project consists of the construction of a new, all electric, High Service Pumping Station which would have an initial pumping capability of 130 million gallons per day (mgd) with provision for installing an additional 30 mgd of pumping capacity.
- B. Construction of a new underground clearwater storage reservoir having a storage capability of 7.5 million gallons plus the modification and reconstruction of all "yard" piping in the area.
- D. The following features and facts relate to the High Service Pumping Station:
 1. The substructure will be constructed of reinforced concrete.

2. The super structure will be of masonry construction, architecturally designed to be aesthetically pleasing and compatible with the surrounding area.
 3. The noise level will be less than that of the existing pumping station.
 4. There will be no emission of polluting substances into the atmosphere.
 5. The station will not be a traffic generator.
 6. It will be constructed in an area of "like-land-use". The only building in the vicinity of the proposed pump station is the Wichita Art Museum which is about 1000 feet or more to the north.
- E. The Utility Facility Plan Report refers to the obsolescence of the pumping equipment in the present Island Pump Station and the possibility that prolonged use of old equipment may not provide reliable service and operating economy. Also, the Report recommends that the capacity of the Island Pumping Station be increased when the demand justifies such action.
- F. The "Water Supply and Distribution Plan" which is in the process of being updated, contains the recommendation that, "the existing Island Pumping Station be reconstructed and modernized so that adequate pumping capacity, reliability and economy of operation will be available to serve Wichita and the surrounding urban areas". The consulting engineers have found that reconstruction of the existing facility would be nearly as expensive as building an entirely new plant; consequently, they recommend construction of a completely new High Service Pumping Station.
- G. Upon completion of the new pumping station, the old facility will be razed. Consequently, the new station does not duplicate any like facility but instead replaces the old obsolete structure and equipment, portions of which have been in service since 1888.

- H. The Utility Facilities Plan Report recommends that additional clearwater storage capacity be provided when the demand justifies.

CONCLUSION

On the basis of the above facts, the Planning Commission concluded that: (1) the project is consistent with Comprehensive Planning for the Wichita-Sedgwick County Metropolitan Area; (2) that construction of the facility will fulfill the areawide planning criteria for providing a unified water system capable of providing a water supply to the several urbanized areas in the vicinity of Wichita; (3) construction of the project would not conflict with nor duplicate any other like facility in the Metropolitan Area and (4) special care must be given to the architectural design of the High Service Pumping Station and to landscaping the area to assure that the new facilities are aesthetically pleasing and compatible with the surrounding park area.

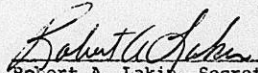
CERTIFICATION

On the basis of the above facts and conclusions, Commissioner Hap D. Bledsoe moved, Commissioner H. W. Kratzer seconded and the motion unanimously carried that the Wichita-Sedgwick County Metropolitan Area Planning Commission certify that:

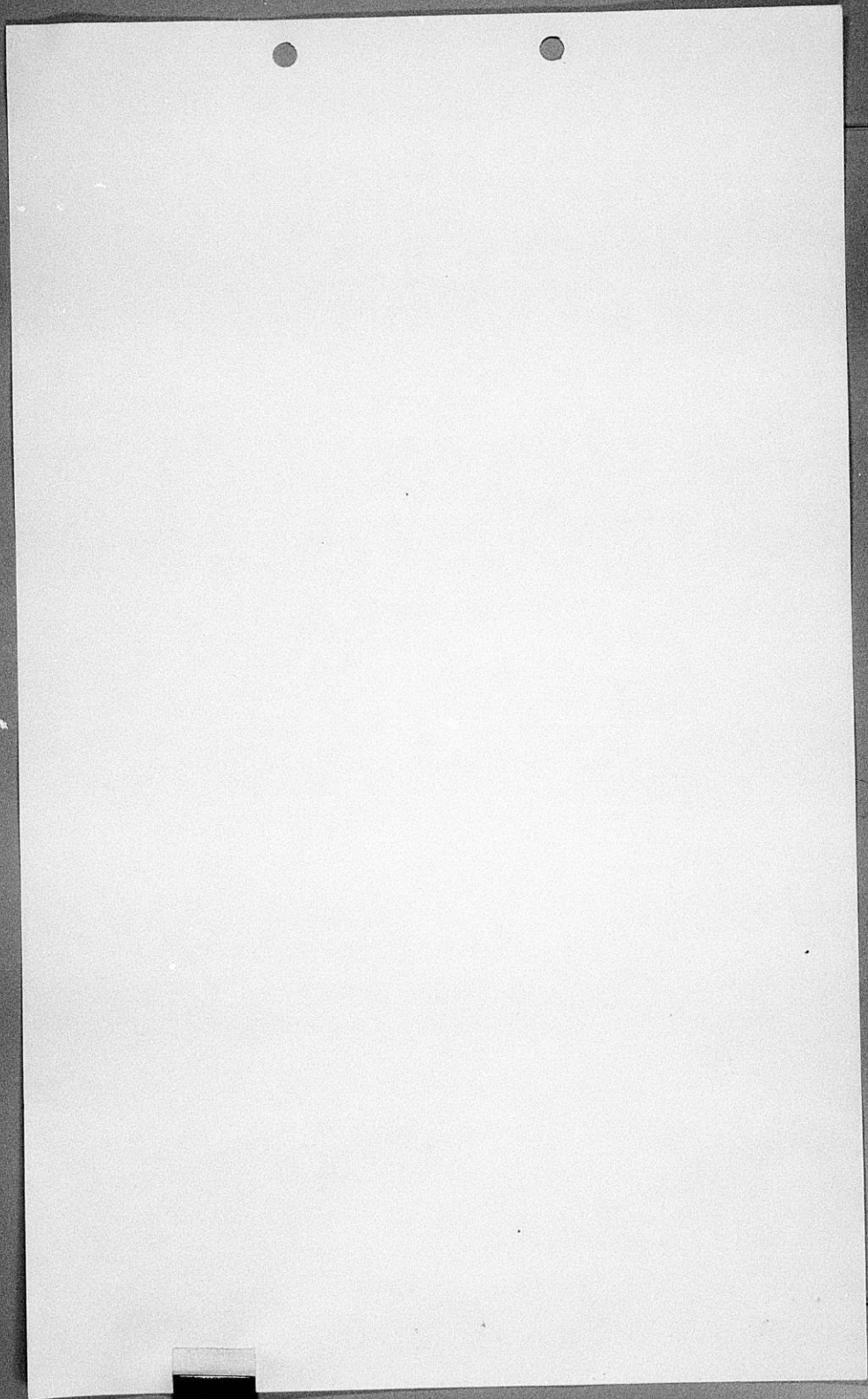
1. The proposed construction of a new High Service Pump Station, by the City of Wichita, is consistent with the Comprehensive Plan in the process of development for the Wichita-Sedgwick County Metropolitan Area.
2. The project complies with the short and long-range areawide water systems plan which is currently being updated for adoption by the Planning Commission as an element of the Comprehensive Plan for the Wichita-Sedgwick County Metropolitan Area.
3. In addition, the Planning Commission recommends that the Water Department, the City Manager and the Board of City Commissioners give careful consideration to the architectural design of the pumping station and to landscaping the area to assure that the new

Page 4 - August 25, 1969

facilities are aesthetically pleasing and compatible with the surrounding area and that sufficient funds be allocated for this purpose.


Robert A. Lakin, Secretary
Wichita-Sedgwick County Metro-
politan Area Planning Commission

RAL:bb



COMMENTS AND RECOMMENDATIONS
OF
CITY DEMONSTRATION AGENCY
WICHITA, KANSAS

August 22, 1969

Name City Demonstration Agency

Address 204 South Main Street, Wichita, Kansas 67202

Source of Authority for Establishment of Agency Resolution
dated June 18, 1968 by Board of City Commissioners

Grant Applicant:

Name City of Wichita, Kansas

Address ~~204 South Main, Wichita, Kansas 67202~~

Project Description:

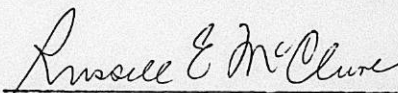
High Service Pumping Station for City of Wichita

Certification:

The project described above does () does not (X) conflict with the comprehensive plan developed or in process of development for the Model Cities Neighborhood Development Program in the Wichita Metropolitan Area.

Comments and Recommendations:

(See Attachment)



Russell E. McClure
Deputy City Manager for Urban Affairs

THE CITY OF WICHITA



OFFICE OF THE CITY MANAGER
CITY BUILDING — AREA CODE 316
204 S. MAIN ST.
WICHITA, KANSAS 67202
262-0611

August 22, 1969

Mr. H. Earl Rosamond
Assistant Regional Administrator
Program Coordination and Services
Department of Housing and Urban Development
819 Taylor Street
Fort Worth, Texas 76102

Dear Mr. Rosamond:

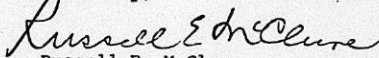
In compliance with a memorandum from the Department of Housing and Urban Development dated October 3, 1968, the City Demonstration Agency has been requested to review the proposed application being submitted by the City of Wichita for a Federal grant to aid in financing the construction of a new high service pumping station.

The review is to determine whether the project is in conformance with the Model Cities Program which is developed or in the process of development for the Wichita Metropolitan Area.

Physical planning for neighborhood development under the Model Cities Program does not specifically include such major facilities as water treatment plants and pumping stations. However, the City Demonstration Agency does recognize the need to correct pressure deficiencies and provide additional fire protection in the Model Neighborhood area.

The High Service Pumping Station is an integral part of the comprehensive water system development plan to provide this improved service.

Sincerely,



Russell E. McClure
Deputy City Manager for Urban Affairs

REM:gs

cc: Ralph Wulz, City Manager
Frank H. Carpenter, Acting City Demonstration Agency Coordinator
Robert H. Hess, Director of Water

THE CITY OF WICHITA



OFFICE OF THE CITY MANAGER
— AREA CODE 316
CITY BUILDING — 204 S. MAIN ST.
WICHITA, KANSAS 67202
262-0611

January 21, 1970

Mr. H. Earl Rosamond
Assistant Regional Administrator
Program Coordination and Services
Department of Housing and Urban Development
819 Taylor Street
Fort Worth, Texas 76102

Dear Mr. Rosamond:

The City Demonstration Agency has been requested to review the completed grant application, WS-KANS-83 being submitted by the City of Wichita for aid in construction of a new high service pumping station.

The Wichita, Kansas Model Cities Program, Phase 2 and 3, Volume III, states that the utilities of the model neighborhood area compare favorably to the rest of the City, but some problems do exist.

Objective VI, part of the five year program for physical development in the model neighborhood area, is to provide public utilities at least equal to those in the remainder of the metropolitan area. The pump station project will effect this equality of water service for the entire MNA and all MNA residents.

The new pumping station, inconjunction with the 48-inch transmission main, WS-KANS-70, which is currently under construction in the MNA, will provide improved water service and increase fire protection capabilities.

Arrangements are presently being made to acquaint the Model Cities Council's governing board with the importance of the proposed project and its relevancy to improved living standards in the MNA.

THE CITY OF WICHITA 2

A fact sheet explaining the proposed project has been prepared for distribution to the council members at the next meeting of the governing board.

Recommendations and actions adopted at this upcoming meeting will be forwarded to the Department of Housing and Urban Development.

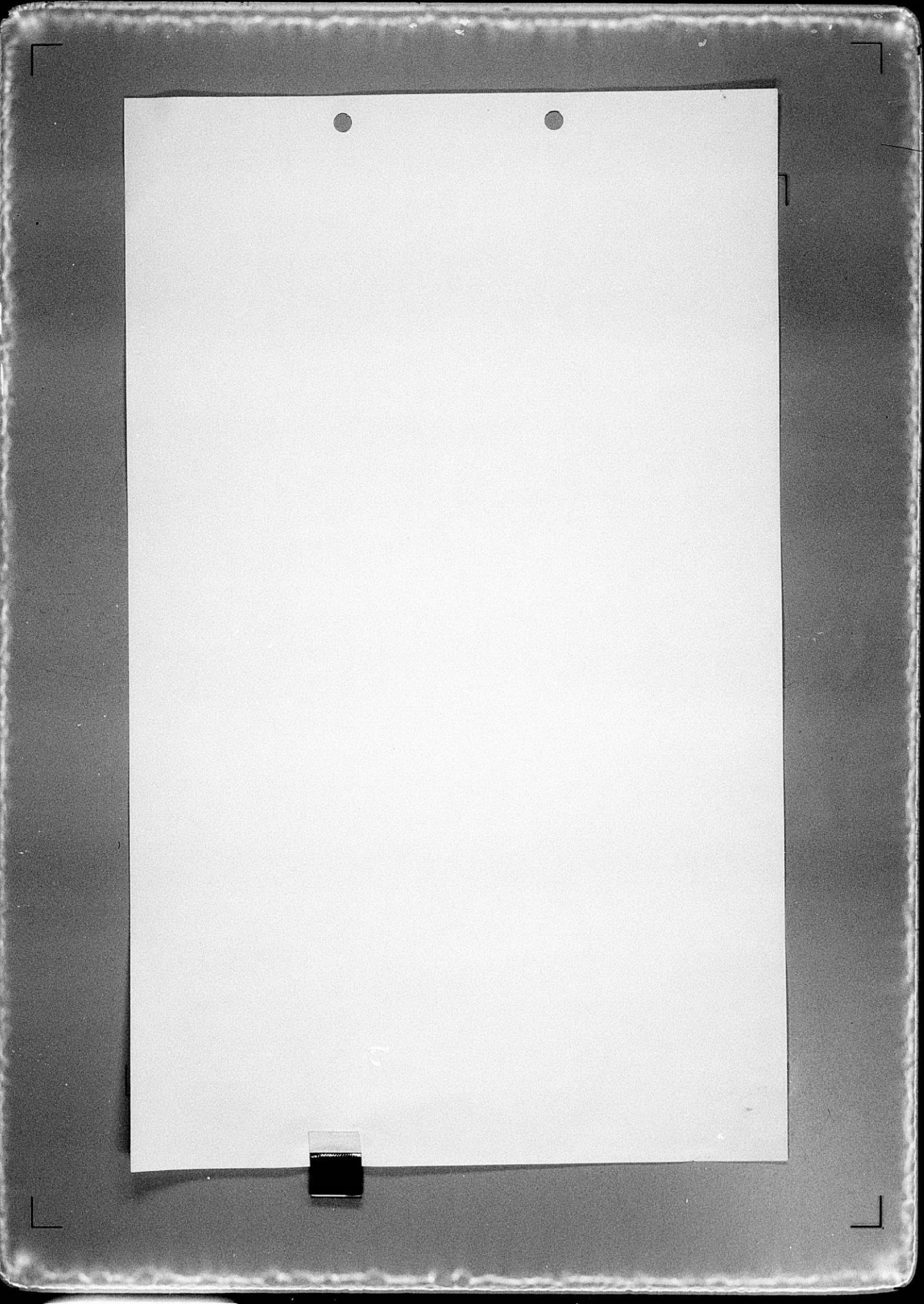
Sincerely,

Russell E. McClure

Russell E. McClure
Deputy City Manager for Urban Affairs

REM:gs

cc: Ralph Wulz, City Manager
Frank H. Carpenter, Acting City Demonstration Agency
Coordinator
Robert H. Hess, Director of Water



RESOLUTION OF GOVERNING BODY OF APPLICANT

Resolution No. _____

Project No. _____
(For HUD Use)

Resolution authorizing filing of application with the Department of Housing and Urban Development, United States of America, for a grant under P.L. 89-117.

WHEREAS, pursuant to P.L. 89-117 the United States of America has authorized the making of grants to public bodies to aid in financing the construction of basic water and sewer projects:

Now Therefore, Be It Resolved By The Board of City Commissioners, City of Wichita, Kansas
(Governing Board of Applicant)

1. That Donald K. Enoch, Mayor be and he is hereby authorized to execute and file an application on behalf of City of Wichita, Wichita, Kansas with the Department of Housing and Urban Development, United States Government, for a grant to aid in financing the construction of a high service pumping station and clear water storage reservoir. and an assurance of compliance with the Department of Housing and Urban Development regulations under Title VI of the Civil Rights Act of 1964.
2. That Robert H. Hess, Director of Water and Water Pollution Control be and he is hereby authorized and directed to furnish such information as the Department of Housing and Urban Development may reasonably request in connection with the application which is herein authorized to be filed.

CERTIFICATE OF RECORDING OFFICER

The undersigned duly qualified and acting City Clerk of the City of Wichita, Wichita, Kansas does hereby certify: that the attached resolution is a true and correct copy of the resolution, authorizing the filing of application with the Department of Housing and Urban Development, as regularly adopted at a legally convened meeting of the City of Wichita Board of City Commissioners on the 25th day of November, 1969; and further that such resolution has been fully recorded in the journal of proceedings and records in my office.

In Witness Whereof, I have hereunto set my hand this 28th day of November, 1969.

If the Applicant has an official seal, impress here.

Ralph C. Eberly
Signature of Recording Officer
Ralph C. Eberly
City Clerk
Title of Recording Officer

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

U. S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

ASSURANCE OF COMPLIANCE
WITH DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
REGULATIONS UNDER TITLE VI OF THE CIVIL RIGHTS ACT OF 1964

City of Wichita, Wichita, Kansas (hereinafter called the
(Name)

"Applicant") HEREBY AGREES THAT it will comply with Title VI of the Civil Rights Act of 1964 (P.L. 88-352 and all requirements imposed by or pursuant to the Regulations of the Department of Housing and Urban Development (24 CFR, Subtitle A, Part 1) issued pursuant to that Title, to the end that, in accordance with Title VI of the Act and the Regulations, no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Applicant receives Federal financial assistance from the Department of Housing and Urban Development, and HEREBY GIVES ASSURANCE THAT it will immediately take any measures necessary to effectuate this agreement.

If any real property or structure thereon is provided or improved with the aid of Federal financial assistance extended to the Applicant by the Department of Housing and Urban Development, this assurance shall obligate the Applicant, or in the case of any transfer of such property, any transferee, for the period during which the real property or structure is used for a purpose for which the Federal financial assistance is extended or for another purpose involving the provision or similar services or benefits. If any personal property is so provided, this assurance shall obligate the Applicant for the period during which it retains ownership or possession of the property. In all other cases, this assurance shall obligate the Applicant for the period during which the Federal financial assistance is extended to it by the Department of Housing and Urban Development.

THIS ASSURANCE is given in consideration of and for the purpose of obtaining any and all Federal loans, advances, grants, properties, contracts or other Federal financial assistance extended after the date hereof to the Applicant by the Department of Housing and Urban Development, including installment payments after such date on account of applications for Federal financial assistance which were approved before such date. The Applicant recognizes and agrees that such Federal financial assistance will be extended in reliance on the representations and agreements made in this assurance, and that the United States shall have the right to seek judicial enforcement of this assurance. This assurance is binding on the Applicant, its successors, transferees, and assignees, and the person or persons whose signatures appear below are authorized to sign this assurance on behalf of the Applicant.

Dated NOV 25 1969

204 S. Main
Wichita, Kansas 67202
(Applicant's Mailing Address)

CITY OF WICHITA
(Applicant)

BY Donald K. Enoch
(Authorized Official)
MAYOR DONALD K. ENOCH

ATTEST: Ralph C. Eberly
CITY CLERK Ralph C. Eberly

RESOLUTION

WHEREAS, pursuant to Section 702 of Public Law 89-117 the United States of America has authorized the Department of Housing and Urban Development to make grants to assist local public bodies and agencies in financing specific projects for basic water and sewer facilities:

Now, therefore, be it resolved by the governing body of the City of Wichita, Kansas Board of City Commissioners,

1. That Donald K. Enoch, Mayor, be and he is hereby authorized to execute and file an application on behalf of the City of Wichita, Wichita, Kansas with the Department of Housing and Urban Development, United States Government for a grant to aid in financing the construction of a high service pumping station and clear water storage reservoir.

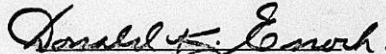
2. That the City of Wichita, Wichita, Kansas will comply with regulations under Title VI of the Civil Rights Act of 1964 (PL88-352) and all requirements imposed by or pursuant to the regulations of the Department of Housing and Urban Development (24CFR Subtitle A, Part I) and hereby authorizes and directs Donald K. Enoch, Mayor, to sign such notice of assurance on Form HUD 41901.

3. That the City of Wichita, Wichita, Kansas will insure that construction contracts contain provisions requiring compliance with Labor Requirements under provisions of the Davis-Bacon Act (40 USC 1276); the Contract Work Hours Standards Act, Public Law 87-581 (40 USC 327,332); Anti-Kickback Statute, Public Law 73-324 and a provision prohibiting discrimination in employment pursuant to Executive Order No. 11246 of September 24, 1965.

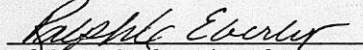
Page 2

4. That Robert H. Hess, Director of Water and Water Pollution Control, be and he is hereby authorized and directed to furnish such information as the Department of HUD may reasonably request in connection with the application which is herein authorized to be filed.

ADOPTED at Wichita, Kansas on this 25th day of November, 1969.

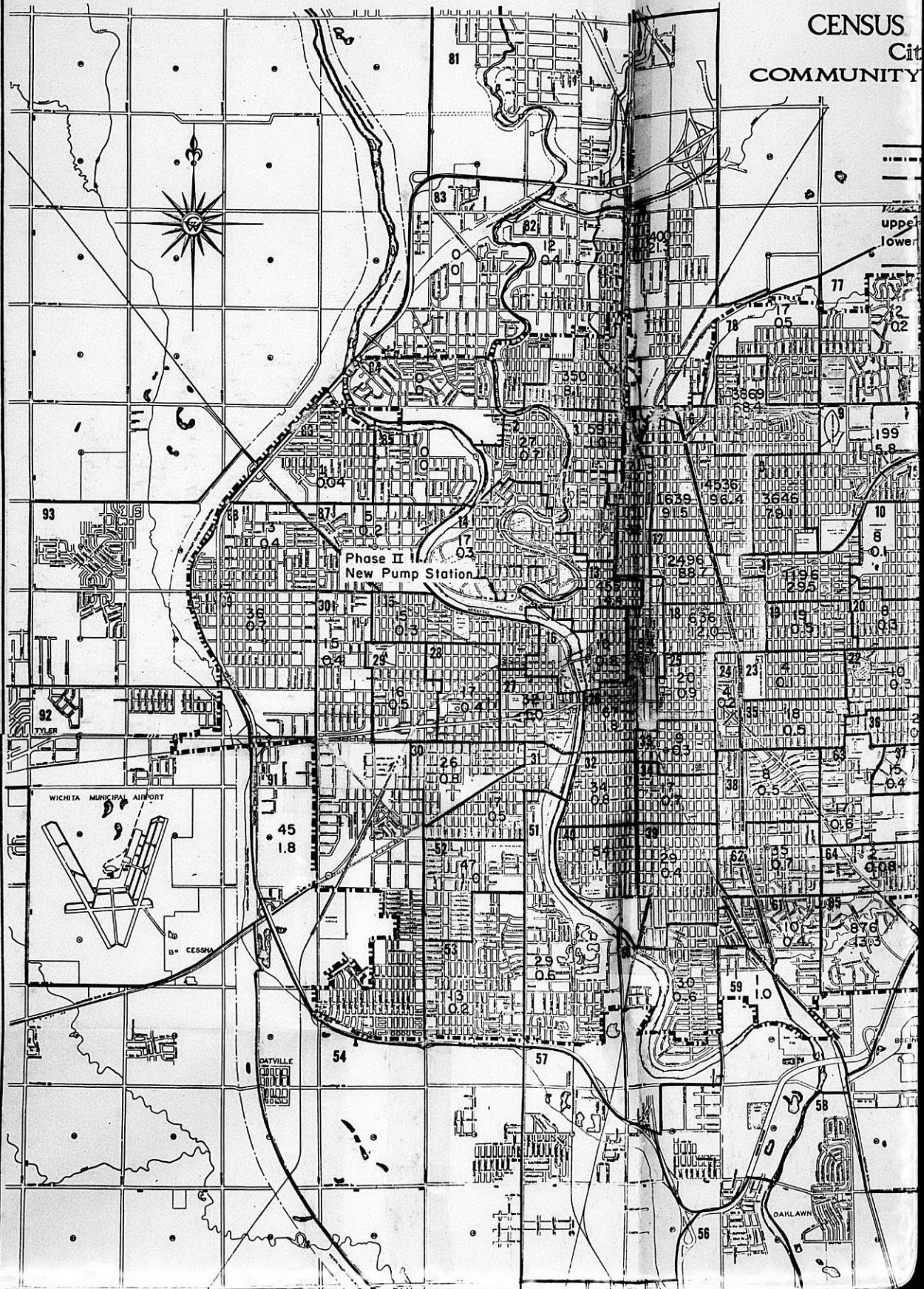

Donald K. Enoch, Mayor

ATTEST:


Ralph C. Eberly, City Clerk

Approved as to form 
John Dekker, Director of Law

CENSUS
City
COMMUNITY



Phase II
New Pump Station

WICHITA MUNICIPAL AIRPORT

DARTVILLE

OAKLAWN

upper
lower

93

92

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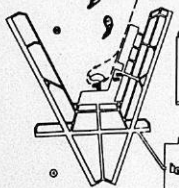
344

345



Phase II
New Pump Station

WICHITA MUNICIPAL AIRPORT



CESSNA

DAYVILLE

WOOD

BOULEVARD

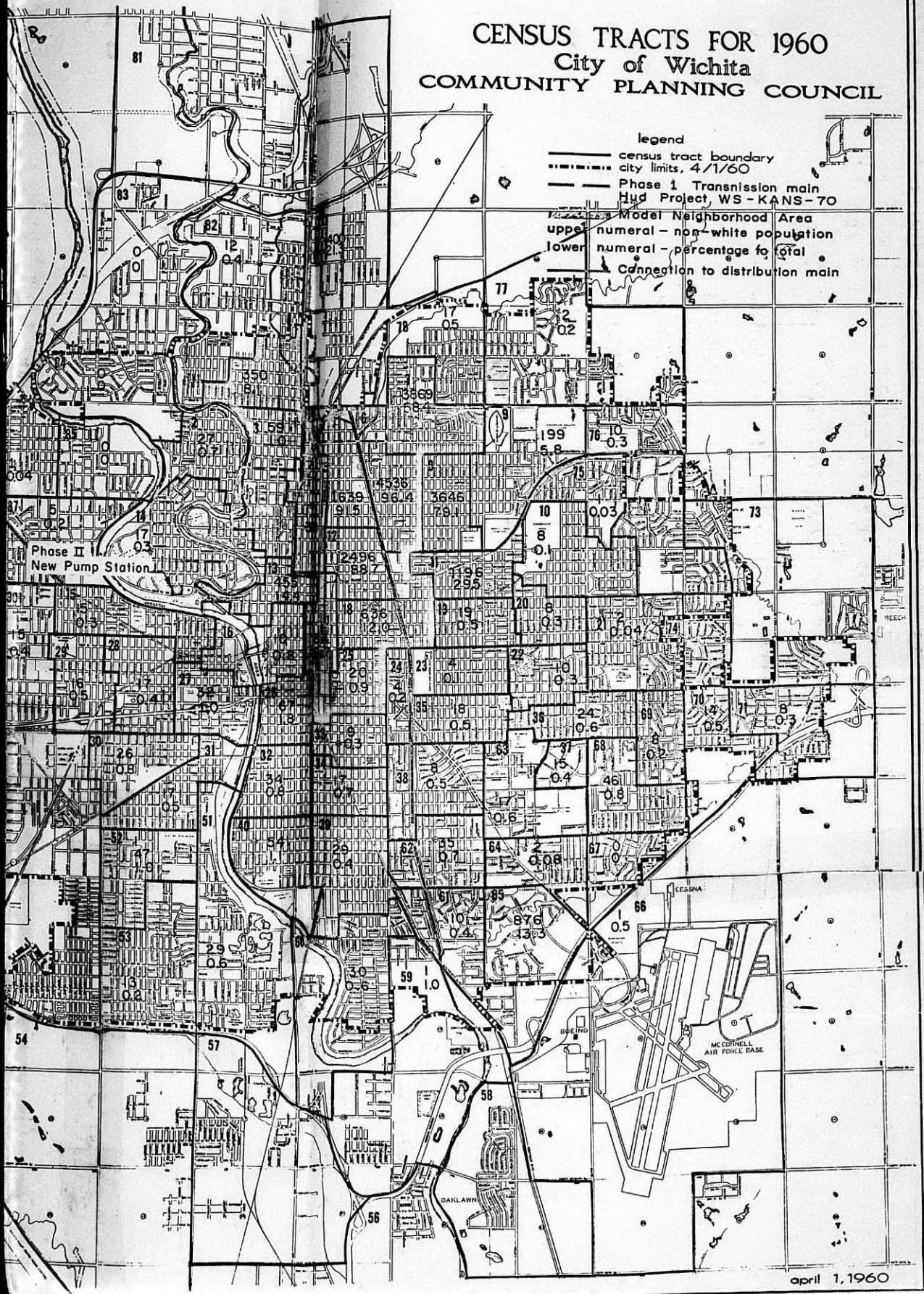
DAKLAH

CENSUS TRACTS FOR 1960

City of Wichita

COMMUNITY PLANNING COUNCIL

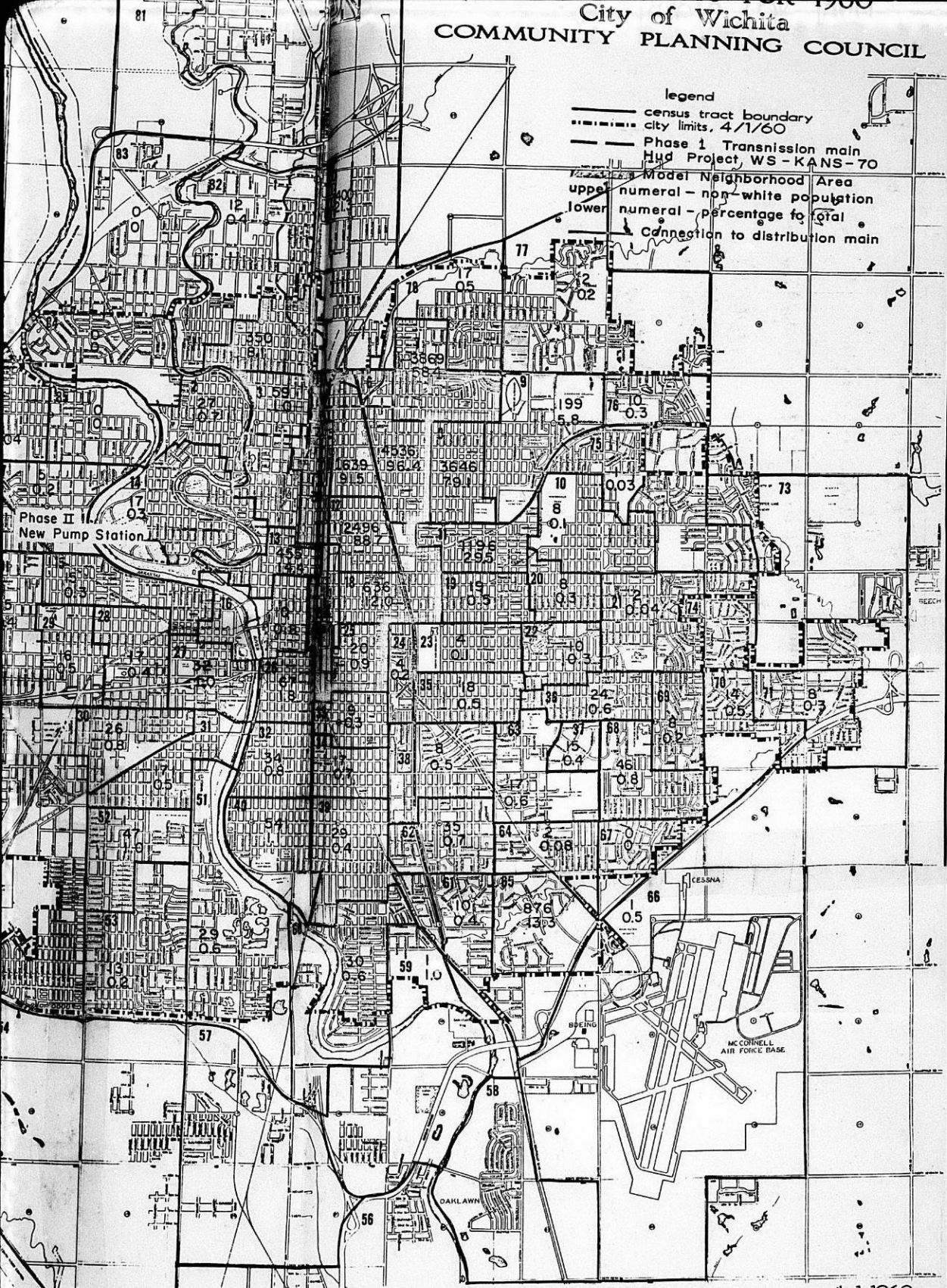
- legend
- census tract boundary
 - city limits, 4/1/60
 - Phase 1 Transmission main
Hud Project, WS-KANS-70
 - Model Neighborhood Area
upper numeral - non-white population
lower numeral - percentage of total
 - Connection to distribution main

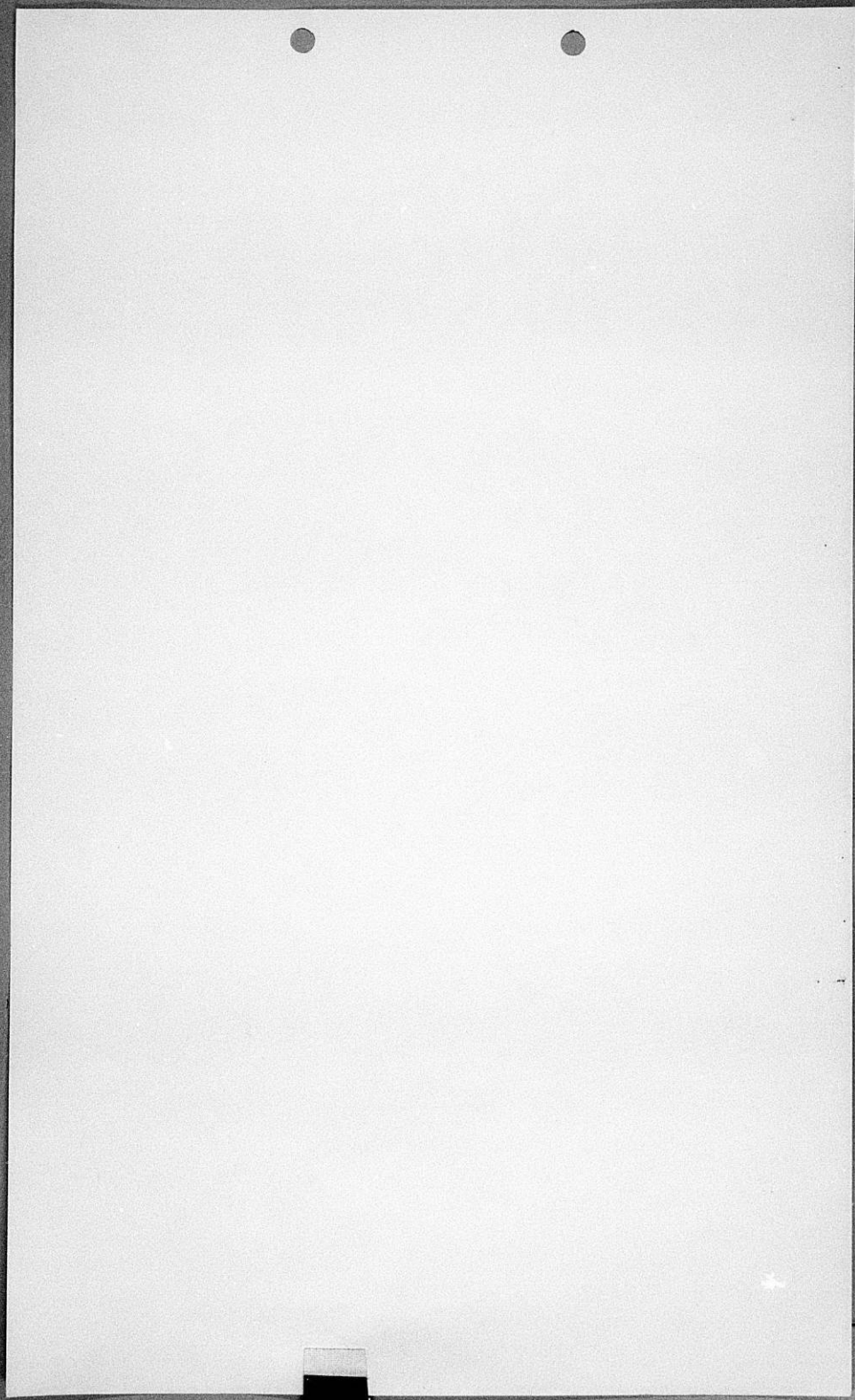


City of Wichita
 COMMUNITY PLANNING COUNCIL

Legend

- census tract boundary
- - - city limits, 4/1/60
- Phase 1 Transmission main
Hud. Project, WS-KANS-70
- Model Neighborhood Area
- upper numeral - non-white population
- lower numeral - percentage to total
- Connection to distribution main





DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WATER AND SEWER FACILITIES GRANT PROGRAM

FOR GOVERNMENT USE ONLY

Project No. _____

SUPPLEMENT NO. 1, ENGINEERING DATA

I. ENGINEER'S REPORT

Attach a copy of the Engineer's Report containing the engineering data as required in "Instructions for Completing Application for Grant Assistance" (Form HUD-41402).

II. ENGINEER

Has the applicant entered into an agreement with the Engineer? Yes No. If yes, attach one copy of agreement.

Engineer's Name Black & Veatch

Address P. O. Box 8405, Kansas City, Missouri Zip Code 64114

License Number and State No. 3278 Phone Number 816 EM. 3-1402

III. ESTIMATED PROJECT COST

A. HUD Project

1. Land and Rights-of-Way		\$ -0-
2. Construction (High Service Pumping Facilities)		<u>3,100,000</u>
3. Contingency (5% of 1 and 2)		<u>155,000</u>
4. Estimated Grant Base (line 1 plus 2 and 3)		\$ <u>3,255,000</u>
a. Adjusted grant base (see Instructions)	\$ 3,000,000*	
5. Estimated Grant (line 5a plus 5b)	\$ 1,500,000	\$ <u>1,500,000</u>
a. Project (50% of line 4 or 4a)	\$ 1,500,000	
b. Relocation payments (see Instructions)		<u>-0-</u>
6. Other project costs		<u>310,000</u>
a. Ineligible facilities	\$ -0-	
(1) Land	\$ -0-	
(2) Construction	\$ -0-	
(3) Contingency (5% of 6.a. 1 & 2)		
b. Engineering services ^{1/}		\$ <u>201,500</u>
(1) Basic fee	\$ 155,000	
(2) Resident inspection	<u>46,500</u>	
(3) Other	<u>-0-</u>	
c. Legal expenses		<u>8,000</u>
d. Administrative expenses		<u>16,000</u>
e. Capitalized interest		<u>-0-</u>
(1) During construction	\$ -0-	
(2) During development	\$ -0-	
f. Other equipment, supplies and materials		<u>-0-</u>
g. Other costs		<u>2,000</u>
h. Government field expense		<u>12,400</u>
i. Project contingency (2% of line 4 plus 6a - 6h)		<u>70,100</u>
7. Total project cost (sum of lines 4, 5b, and 6)		\$ <u>3,565,000</u>

B. Proposed Tandem Project (if applicable) \$ _____

^{1/} A Federal advance, \$ -0-, was obtained under Project No. None to assist in the engineering planning of this project.

IV. CONSTRUCTION TIME SCHEDULE

- Estimated time required after execution of grant agreement to start construction is 6 months.
- Estimated construction period is 18 months.

V. APPROVAL AUTHORITIES

(List below and attach letters of comment, clearance or approval from all local, State, and interstate agencies having authority over design and construction of project.)

- Kansas State Department of Health
- _____
- _____
- _____
- _____

* Adjusted downward to conform to the maximum grant base acceptable for a Department of Housing and Urban Development Project. HUD-41401-1 (5-66)

BLACK & VEATCH
CONSULTING ENGINEERS

AREA CODE 816
TEL. EMERSON 3-1402

1500 MEADOW LAKE PARKWAY
MAILING ADDRESS: P. O. BOX NO. 8405
KANSAS CITY, MISSOURI 64114

CONTRACT FOR ENGINEERING SERVICES

THIS CONTRACT, made and executed in duplicate this 29th day of May, 1967, by and between the City of Wichita, Kansas, hereinafter called the City, party of the first part, and Black & Veatch, Consulting Engineers of Kansas City, Missouri, hereinafter called the Engineers, party of the second part;

WITNESSETH: The City owns and operates a large complex water system consisting of supply, treatment, pumping, transmission and distribution works. The Black & Veatch "Report on Operation and Condition of Water Works Utility, Wichita, Kansas" dated June 1, 1966 recommended essential improvements which are needed to supply maximum system demands during periods of extended drought. These improvements included recommended additions to the distribution system and the replacement of several of the major pumping units at the Island Pumping Station. The Report recommends a comprehensive in depth study of the Island Pumping Station detailing a long range program leading to a modern dependable high service pumping station. During a brief period of hot dry weather during the Summer of 1966 it was found that additional main capacity was urgently needed to supply the northeastern section of the City. The past several months has been a period of rainfall deficiency and if extended through the 1967 Summer could develop into a serious and extended drought. It is essential therefore that the improvements not be delayed, and

IN CONSIDERATION of the mutual covenants herein contained, the City hereby agrees to employ the Engineers to perform the services hereinafter outlined, and agrees to pay them for such services according to the schedule of fees herein contained.

SECTION I. The services which the Engineers agree to perform are as follows:

A. DETAILED STUDY AND REPORT, ISLAND PUMPING STATION.

1. Review past, present, and probable future population trends and water supply requirements of the City and develop all other basic information needed in connection with an analysis and appraisal of high service pumping station requirements.
2. Review past and present operating records of all pumping units, switchgear and auxiliaries necessary to make a determination as to what extent replacements should be made to insure required station capacity and reliability.

3. Make a complete hydraulic study of the station piping to determine capacity and reliability under all conditions of service. This study will pinpoint restrictions and deficiencies affecting the operation of the pumping station and storage reservoir system.
4. Prepare program of recommended improvements which will include the modernization or retirement of existing facilities as required and elements of a long range program leading to a modern dependable high service pumping station.

B. DESIGN PHASE.

1. As portions of the project are authorized for final design and construction, make the necessary field surveys required for preparing plans and specifications.
2. Provide requested assistance and guidance in exploratory work conducted by the City.
3. Consult with the necessary state and other governmental agencies concerning the plans to be drawn as to requirements covering items in which they might be interested.
4. Prepare detailed plans and specifications for the proposed work and for all equipment required.
5. Prepare an estimate of probable construction cost for the proposed work as covered by the plans and specifications.
6. Submit plans and specifications for review and approval to the State Board of Health and any other governmental agency which has a regulatory interest in the project.
7. Assist and advise the City concerning award of contracts.
8. Review drawings and data submitted by the contractor as required for general conformity to the plans and specifications.
9. Make periodic visits to the site of the work during construction and consult with the City concerning progress.
10. Observe field tests of equipment.
11. Provide a set of revised prints conforming to construction records.

C. RESIDENT ENGINEERING SERVICES.

At the option of the City to furnish a full time resident engineer and such assistant resident engineers as may be required on the work who will assist and offer general guidance in establishing horizontal and vertical control points, the interpretation of the contract documents, and the making of field checks of materials and equipment.

During the course of the contractor's performance of the job, the resident engineer will conduct on-site observations of the general progress of the work and will consult with the City and the contractor, giving his opinions and suggestions, based on his observations, as to any defects or deficiencies in the contractor's work. This service will in no way relieve the contractor of complete supervision of the work or the contractor's obligation for complete compliance with the plans and specifications.

The resident engineer will also prepare all routine and final payment estimates for guiding the City in payments to the contractor, and will report regularly to the City and to the Engineers upon the progress and quality of the work.

The actual time the services of the resident engineer will be required and the number and duration of service of assistant resident engineers will be determined by the City.

SECTION II. For all the services outlined above, the City agrees to pay the Engineers as follows.

- A. For the services outlined in Section I - A, namely "DETAILED STUDY AND REPORT, ISLAND PUMPING STATION", a lump sum fee of Ten Thousand Dollars (\$10,000) to be due upon delivery of the formal report. This fee will be credited on the work covered "DESIGN PHASE, ISLAND PUMPING STATION" in the same ratio as the total construction cost of the work authorized for the design bears to the total estimated cost of the work recommended for construction in the completed report.
- B. For the services outlined in Section I - B, namely "DESIGN PHASE" the Engineers shall receive fees as follows:
 1. For the Island Pumping Station Improvements including replacement of pumping units, piping changes, power and communication facilities and other related facilities, a fee of five per cent (5%) of the construction cost of the work covered by said plans and specifications, exclusive of the cost of lands, rights-of-way, legal and administrative expense.

2. For the 48 inch Main from Island Pumping Station to Topeka; 42 inch Main from Topeka to 19th Street. 36 inch Main from Pennsylvania to 21st Street and other distribution system improvements included in Priority 1, in "Report on Operation and Condition of Water Works Utility" dated June 1, 1966, a fee of three and one-half per cent ($3\frac{1}{2}\%$) of the construction cost of the work covered by said plans and specifications exclusive of the cost of lands, rights-of-way, legal and administrative expense.
3. Said percentage fees shall be due and payable as follows:
 - (a) Eighty per cent (80%) of the fee upon delivery of the detailed plans and/or specifications, the amount to be based upon the Engineers' estimated cost of the work.
 - (b) The remaining twenty per cent (20%), or an amount sufficient to bring the total fee to the stipulated percentages of the final and actual construction costs, upon completion of the construction work.
 - (c) In the event the construction work covered by the plans and specifications is not placed under contract within two years after the delivery of the plans and specifications to the City, then an additional ten per cent (10%) of the fee shall be due and payable and shall be based upon the Engineers' estimate of cost, and the contract shall be terminated or extended on terms mutually agreeable to both parties.
- C. For the services of the resident engineer and assistants as outlined in Section I, Paragraph C, above the Engineers shall receive a fee of one and one-half percentum ($1\frac{1}{2}\%$) of the construction cost of the work, due and payable monthly in amounts equal to one and one-half percentum ($1\frac{1}{2}\%$) of monthly payments by the City to construction and/or material contractors engaged on the work.

SECTION III. It is mutually understood and agreed:

- A. That the City will provide, at its own expense, the following items:
 1. Property surveys and/or section corner locations in case such information is required.
 2. All exploratory work, such as the digging of test pits, making soil bearing tests, making soundings or core drillings, preliminary tests, laboratory analyses, etc., necessary for the preparation of plans and specifications, the work to be done with the assistance and guidance of the Engineers, who will furnish the engineering services for such work.

3. All maps, plans, records, data, etc., which are available in the files of the City and which may be useful in the work involved under this contract.
 4. Reimbursement to the Engineers for any local taxes or license fees which the Engineers may be required to pay in their performance of work covered in this contract.
 5. Office desk space for the Engineers' personnel used for preliminary work.
 6. Shop, mill, or laboratory inspection of materials, or laboratory testing service. The Engineers will receive and pass upon by approval or rejection, all reports by such laboratories on the materials tested or services performed.
- B. It is further understood and agreed that the Engineers will perform any additional work requested by the City which is not specifically covered in the Scope of Work as defined under Section I and II, such as services in connection with litigation regarding the project, appearances before special boards and similar services. The Engineers shall be paid for such services, actual payroll cost attributed to the work plus one hundred per cent (100%) plus out-of-pocket expense at net cost. Actual payroll cost shall include an allowance of sixteen per cent (16%) for holidays, sick leave, vacation, social security, insurance, unemployment, excise and payroll taxes.

IN WITNESS WHEREOF, the parties of the first and second parts have hereunto set their hands and seals on the date first above written.

CITY OF WICHITA, KANSAS
Party of the First Part

By Clarence E. Vollmer
Clarence E. Vollmer MAYOR

(SEAL)

Attest: Ralph C. Eberly
Ralph C. Eberly CITY CLERK

BLACK & VEATCH, Consulting Engineers
Party of the Second Part

By [Signature]
Partner

COMMISSIONERS PROCEEDINGS

11571

September 9, 1969

Constructing Lateral 14, Submain 9, War Industries Sewer

Constructing Lateral 14, Submain 9, War Industries Sewer

	W.B. Carter Const. Co., Inc.	Utility Contractors, Inc.	Mid-States Const. Co., Inc.
8" sewer, per lin. ft.	\$ 7.00	\$ 6.60	\$ 7.00
Manholes - Type A, complete, each	500.00	600.00	600.00
Small trees removed, each	18.00	20.00	20.00

The Board of Bids and Contracts reported that the bids were over the estimate, and the City Manager was authorized to negotiate the amount of the contract with the low bidder (W. B. Carter Construction Co., Inc) within the Engineer's estimate.

In answer to inquiry by Commissioner Stevens, City Manager stated that the negotiated figure could not exceed the engineer's estimate.

Contract to W.B. Carter Const. Co., Inc. (negotiated)

Stevens moved that the contract be awarded to W. B. Carter Construction Co., Inc. as negotiated, same being the lowest responsible bid and within the estimate. Motion carried unanimously.

Furnish & install 1,600 amp. Breaker for Water Pollution Control

Furnish and install 1,600 amp. Breaker For Water Pollution Control As Per Specifications F.O.B. Sewage Treatment Plant No. 1 3100 South Grove, Wichita, Kansas

(Ref: Bid analysis report attached to Bd. of Bids minutes of 9/8/69)

Contract to Benjamin Hill Electric Inc.

The Board of Bids and Contracts recommended that the contract be awarded to Benjamin-Hill Electric Inc. on their net total bid of \$2,186.00, same being the lowest and best bid meeting specifications. Stevens moved that the recommendation of the Board of Bids and Contracts be approved. Motion carried unanimously.

ITEM 3

ITEM 3

BONDS:

Detective Agency's Bond of Duell Gates, d/b/a Gates & Associates --John Dekker

Detective Agency's Bond of Duell Gates, d/b/a Gates & Associates, written in the Western Surety Company, in the amount of \$5,000.00, dated August 26, 1969, presented. Approved as to form by the City Attorney.

John Dekker, Director of Law, requested that this matter be deferred one week.

--Action on this matter deferred one week.

Stevens moved that action on this matter be deferred one week. Motion carried unanimously.

Plumber's Bond of Goolsby Plumbing & Heating, Inc.

Plumber's Bond of Goolsby Plumbing & Heating, Inc., written in the Insurance Company of North America, in the amount of \$2,000.00, dated August 28, 1969, presented. Approved as to form by the City Attorney. Woodard moved that the bond be approved and filed. Motion carried unanimously.

Minor Street Privilege Bond of Friedman and Son, Inc., d/b/a Kansas Paper Stock Co.

Minor Street Privilege Bond of Friedman and Son, Inc., transacting business as Kansas Paper Stock Company, written in the United States Fidelity and Guaranty Company, in the amount of \$5,000.00, dated August 18, 1969, presented. Approved as to form by the City Attorney. Woodard moved that the bond be approved and filed. Motion carried unanimously.

Plumber & Drain Layer's Bond of C. Lee Tade, d/b/a C. Lee Tade Plumbing & Heating Co.

Plumber and Drain Layer's Bond of C. Lee Tade, d/b/a C. Lee Tade Plumbing & Heating Co., written in The Aetna Casualty & Surety Company, in the amount of \$2,000.00, dated September 1, 1969, presented. Approved as to form by the City Attorney. Woodard moved that the bond be approved and filed. Motion carried unanimously.

ITEM 9

ITEM 9

REQUEST FOR AUTHORIZATION TO PROCEED - Re. High Service Pumping Station

Request for Authorization to Proceed - Re. High Service Pumping Station, presented.

On July 29, 1969, the Commission received a report from Black & Veatch, Consulting Engineers, concerning improvements to the Water Department, and authorized the submission of an application for a Federal assistance grant to help finance the improvements, one of which was a pumping station.

The application was submitted and the Director of Water requested that the consulting engineers be authorized to proceed with the preparation of plans and specifications and exercise the option to furnish a resident engineer in accordance with the contract for engineering services entered into with Black & Veatch on May 29, 1967.

State of Kansas)
Sedgwick County) ss

City of Wichita)

I, Ralph C. Eberly, City Clerk of the City of Wichita, Kansas, hereby certify that the document to which this is affixed is a true and correct copy of the original on file in my office.

Given under my hand and seal of the City of
Wichita, this **NOV 19 1969**

Ralph C. Eberly
City Clerk

September 9, 1969

--Coma. Keeler

Commissioner Keeler inquired as to whether the recalcing plant or the pumping station should receive the higher priority, and Robert Hess, Director of Water, stated that the pumping station was the most critical and the recalcing plant would be second in priority.

--Motion that consulting engineers be authorized to proceed with preparation of plans & specifications & exercise the option for resident engineering services.

--Keeler moved that study be made re. recalcing problem

--Comm. Stevens

--Motion carried unanimously.

Keeler moved that the consulting engineers be authorized to proceed with the preparation of plans and specifications for the High Service Pumping Station and exercise the option for resident engineering services. Motion carried unanimously.

Keeler moved that the Director of Water be instructed to make a study and whatever engineering designs are necessary in the immediate future relative to the recalcing problem, and report back at the earliest possible date.

In answer to inquiry by Commissioner Stevens as to the timetable for construction of the recalcing plant, Mr. Hess stated that investigation was underway relative to financing the construction, as the high interest rate in the current market could have an effect on the issuance of bonds for this project.

Motion carried unanimously.

On motion, Commission adjourned at 12:30 P.M.

A. Price Woodard, Jr.
President of the Board of Commissioners

ATTEST:

Ralph C. Eberly,
City Clerk

State of Kansas)
Sedgwick County) ss
City of Wichita)

I, Ralph C. Eberly, City Clerk of the City of Wichita, Kansas, hereby certify that the document to which this is affixed is a true and correct copy of the original on file in my office.

Given under my hand and seal of the City of
Wichita, Mo. NOV 10 1969
Ralph C. Eberly City Clerk



DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WATER AND SEWER FACILITIES GRANT PROGRAM

FOR GOVERNMENT USE ONLY

Project No. _____

SUPPLEMENT NO. 2, FINANCIAL DATA

PROPOSED METHOD OF PROJECT FINANCING

I. General Financial Plan	AMOUNT
A. Federal grant requested herein	\$ 1,500,000
B. Other funds	2,065,000
Total estimated project cost.	\$ 3,565,000

II. Sources and Assurance of Availability of Other Funds (I.B. above)

A. Indicate sources of such other funds and amount from each source.

1. General obligation bonds - authorized	\$ _____
General obligation bonds - to be authorized	_____
2. Revenue bonds - authorized.	2,065,000
Revenue bonds - to be authorized.	_____
3. Assessment or improvement bonds - authorized.	_____
Assessment or improvement bonds - to be authorized.	_____
4. Budgetary appropriation	_____
5. Other sources (specify by attachment)	_____
6. Total (equals I.B. above)	2,065,000

B. State briefly, with respect to each source of funds indicated above, the major local actions required in order to make such funds available, specifying the actions completed to date and those remaining. Indicate also the period of time that will be required after execution of the grant agreement to obtain the funds for deposit in the project Construction Account.

Funds have been authorized by the attached resolution which authorizes the issuance of \$2,065,000 in revenue bonds as approved by the Board of City Commissioners. The bonds may be issued immediately after the grant has been approved and the Board of City Commissioners adopt a bond ordinance.

C. In the event the proposed project is an integral part of a tandem project, state the sources of funds for the entire project and provide other information in accordance with Item II.B.



DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
819 TAYLOR STREET, FORT WORTH, TEXAS 76102

September 5, 1969

REGION V

IN REPLY REFER TO:

Honorable Donald K. Enoch
Mayor, City of Wichita
204 South Main Street
Wichita, Kansas 67202

WS-Kans-83
City of Wichita
Water Facilities

Dear Mayor Enoch:

We have received copies of the Preliminary Inquiry, SF-101, together with related materials submitted to this office on behalf of the City of Wichita. Project Number WS-Kans-83 has been assigned to the request and Mr. Douglas C. Porter has been given responsibility of the project. If he may assist you in any way, do not hesitate to call him at 334-2724, area code 817, or write to him at the above address.

It is noted that your grant request is for \$1,627,500. Due to limited funds in the Water and Sewer Facilities Grant Program, we are unable to consider applications in excess of \$1,500,000. We are therefore adjusting your grant request to \$1,500,000, and increasing the City's participation to \$2,063,000.

We will be in touch with you again when further reviews are completed.

Sincerely yours,

Travis Wm. Miller
FOR Assistant Regional Administrator
for Metropolitan Development

cc:
Mr. Robert H. Hess

R E S O L U T I O N

WHEREAS, The City of Wichita, Kansas is authorized under the laws of the State of Kansas, to issue general obligation bonds for the acquisition, construction, reconstruction, alteration, repair, improvement, extension or enlargement of its Waterworks System, sometimes known as Water Utility, which it owns and operates; and

WHEREAS, The governing body of the city deems it necessary that its waterworks system, sometimes known as water utility, be improved, extended and enlarged:

THEREFORE BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF WICHITA, KANSAS:

That it is necessary that the waterworks system of the City of Wichita, Kansas sometimes known as water utility, be improved, extended and enlarged in the following particulars, to wit:

High service pumping station and clear water storage reservoir to provide pumping capacity to serve the present and projected growth requirements of the metropolitan area and to improve service to the northeast and east sections of the City of Wichita, Kansas.


That such improvements, extensions and enlargements will not cause duplication of any existing water service furnished by a private utility.

That the cost of such improvements, extensions and enlargements be financed in part by the issuance of revenue bonds under authority of K.S.A. 10-1201 et seq. for the payment of which the revenues from the waterworks system, sometimes known as water utility, will be pledged.

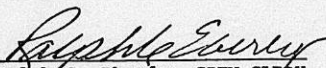
That before issuing such revenue bonds there shall be published in the official city paper a notice of the intention of the governing body of the city to make such improvements, extensions and enlargements and to issue revenue bonds to pay a part of the same; and if within fifteen (15) days after the publication of such notice there shall be filed with the city clerk a written protest against the same signed by not less than twenty per cent (20%) of the qualified electors of the city, the governing body shall thereupon submit

such proposed project and the proposed bond issue to the electors of the city at a special election to be called for that purpose as provided by law. The total amount of the estimated cost of said improvements, extensions and enlargements is \$3,565,000 and the amount of revenue bonds to be issued to provide funds to pay a part of the cost thereof is not to exceed \$2,065,000. The amount of bonds to be issued will be used in conjunction with anticipated Federal grants of approximately \$1,500,000.

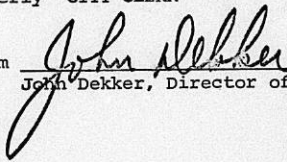
Passed and approved November 25, 1969.


Donald K. Enoch, MAYOR

ATTEST:


Ralph C. Eberly CITY CLERK

Approved as to form


John Dekker, Director of Law

(Published in the Daily Record NOV 20, 1969)

NOTICE

Notice is hereby given that the governing body of the City of Wichita, Kansas, intends to make improvements, enlargements and extensions to its waterworks system, sometimes known as water utility, in the following particulars, to wit:

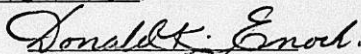
High service pumping station and clear water storage reservoir to provide pumping capacity to serve the present and projected growth requirements of the metropolitan area and to improve service to the northeast and east sections of the City of Wichita, Kansas.

To finance the cost thereof, the governing body of said city intends to issue revenue bonds as provided by law which will not be general obligations of the City of Wichita, Kansas, payable from taxation, but shall be payable only from the revenues of said waterworks system, sometimes known as water utility. The total estimated cost of said improvements, extensions and enlargements of the waterworks system, sometimes known as water utility, is estimated to be \$3,565,000.00 and the amount of revenue bonds to be issued to provide funds for the payment of a portion of said cost is not to exceed \$2,065,000.00 as per K.S.A. 10-1201 et seq.


The amount of bonds to be issued will be used in conjunction with anticipated Federal grants of approximately \$1,500,000.00.

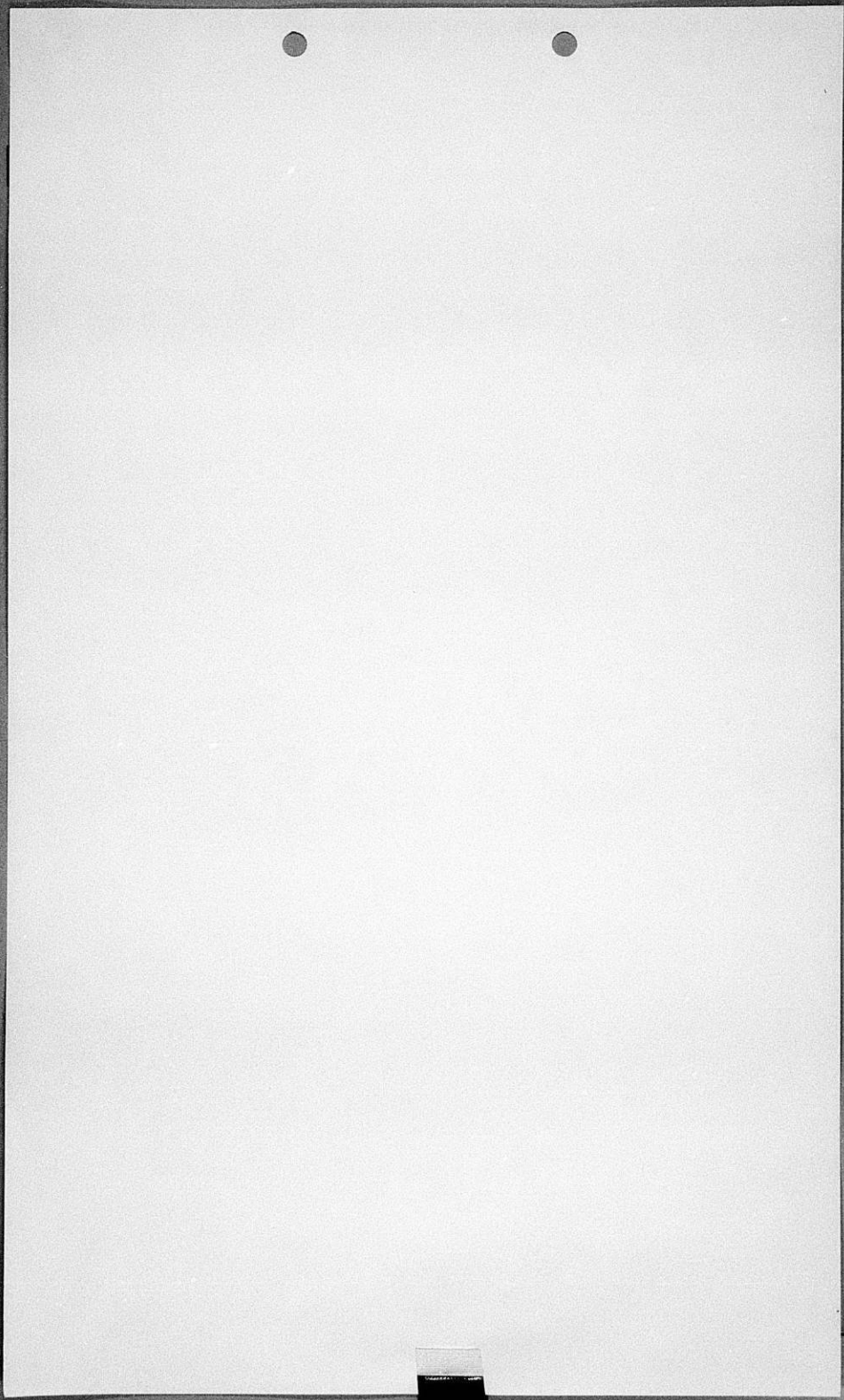
This notice shall be published once in the official city paper, and if within fifteen (15) days after the publication of such notice there shall be filed with the city clerk a written protest against the same signed by not less than twenty (20) per cent of the qualified electors of the city, the governing body shall thereupon submit such proposed project and the proposed bond issue to the electors of the city at a special election to be called for that purpose as provided by law. If no sufficient protest is filed, the governing body will proceed with the project and the issuance of bonds.

Dated November 25, 1969.


Donald K. Enoch, MAYOR

ATTEST:


Ralph C. Eberly CITY CLERK



DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WATER AND SEWER FACILITIES GRANT PROGRAM

FOR GOVERNMENT USE ONLY

Project No. _____

SUPPLEMENT NO. 3, LEGAL DATA

I. APPLICANT

- A. Exact corporate name of Applicant and date of organization _____
City of Wichita, 1870
- B. Specific chapter and section citations to any Constitutional, statutory and charter authority pursuant to which the Applicant was organized and is presently existing _____
Chapter 12, Article 10, K. S. A.
- C. Has Applicant a special charter? _____ If so, if charter is set out in statutes or Constitution, give specific chapter and section citations _____
Not applicable
- If charter is not set out in statutes or Constitution, furnish a copy of such charter, or other organization documentation, including all amendments to date certified by the proper official as a true, complete and accurate copy of the said documentation _____
Not applicable

II. APPLICANT'S LEGAL AUTHORITIES

Specific chapter and section citations to Constitutional, statutory and charter authorities or court decisions empowering the Applicant to construct, finance, maintain and operate the proposed project in the manner contemplated in the Application _____
Chapter 12 and 13, K. S. A.

III. RELATED LEGAL MATTERS

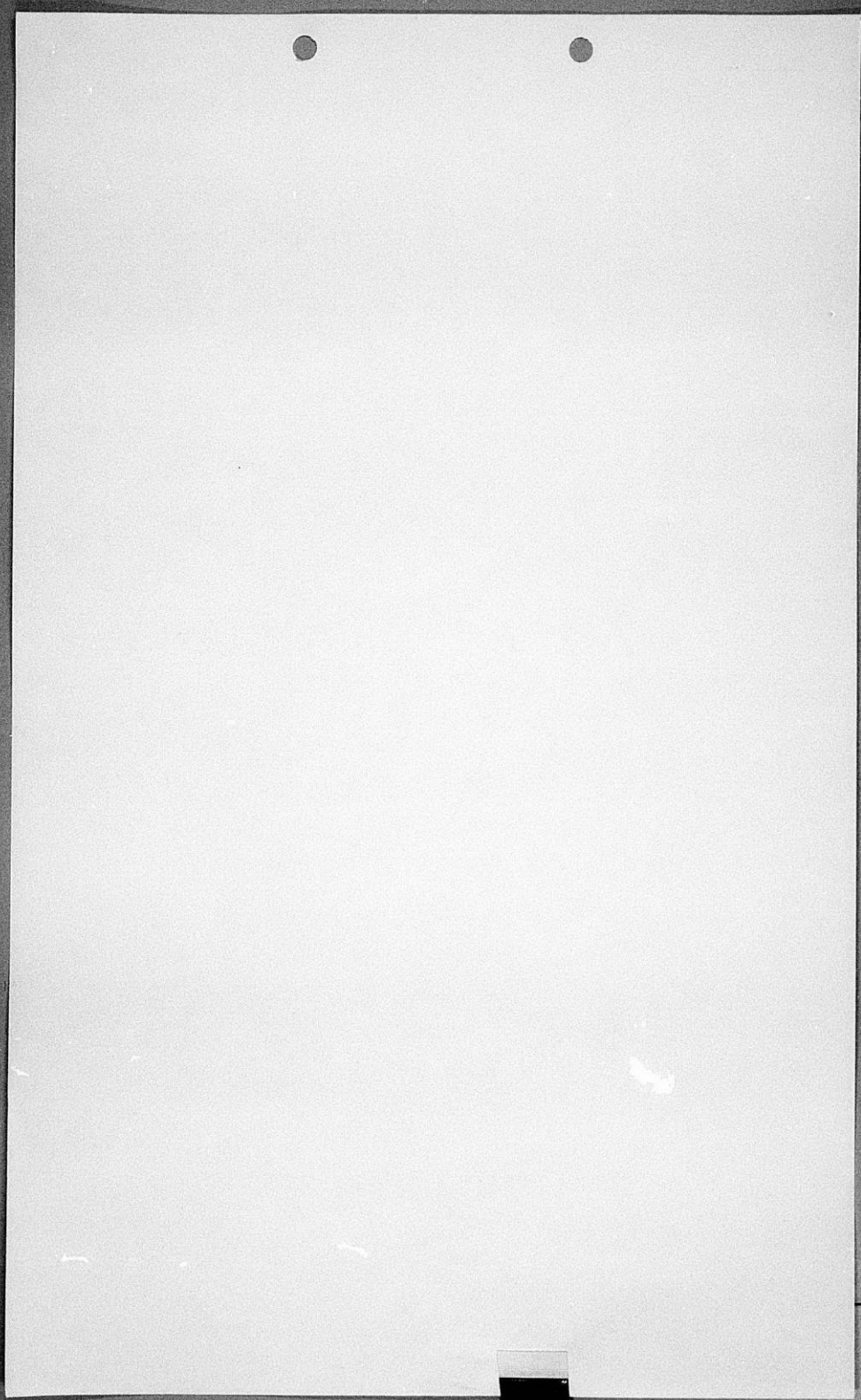
- A. State whether an election is required to authorize construction of the project, or whether the right of referendum exists, with specific statutory citations therefor _____
No election required
- B. Mention briefly any franchises, approvals, permits, water rights, certificates of convenience and necessity, etc., obtained or required to be obtained from Federal, State, municipal or other authorities relating to the construction, operation and maintenance of the project _____
Contracts exceeding \$1,500 require approval by the Board of City Commissioners. Capital projects exceeding \$100,000 require approval of Consulting Engineers (continued below)
- C. State the legal authority to use the funds for the intended purpose and whether there are any legal obstacles including litigation, pending or threatened, which might affect the construction or financing of the project _____
Chapter 12, Articles 8 and 27, K. S. A.
- D. State if applicant has legal authority for all required land acquisitions, leases, easements and condemnation proceedings. Give Citations. _____
Applicant holds fee title to all land necessary through previous public purchase.
- If it is contemplated that eminent domain proceedings will be required, state whether the Applicant has the legal authority to comply with the policies and other Provisions concerning land acquisition set forth in Title IV of the Housing and Urban Development Act of 1965. Give appropriate citations _____
No condemnation necessary.

The undersigned attorney at law states:

- That he has been authorized by the above-named applicant to furnish legal information to the Department of Housing and Urban Development to support the application of said applicant, dated 1-23-70.
- That the information supplied on this Form HUD-41401-3, and in the exhibits and statements attached thereto is, in his opinion, true and correct.

Signed: John Dekker Attorney at Law. Date: 11/23/69
John Dekker, 800 Brown Building, AM 2-4403
(Type Attorney's Name, Address and Telephone Number)

- III. B. Continued . . .
Approval of Design and Construction State Board of Health per Chapter 65, Article 163, K. S. A.



DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT Water and Sewer Facilities Grant Program SUPPLEMENT NO. 4, LAND ACQUISITION AND RELOCATION	FOR GOVERNMENT USE ONLY PROJECT NO. _____
-------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------

INSTRUCTIONS: If land is to be acquired for the project for which Application for Grant Assistance is being made, prepare and submit Items I and II of the Application in accordance with information contained in the attached *Land Acquisition Policy and Relocation Assistance Requirements* (Form HUD-41401-4a). If land is already owned but displacement is to take place of individuals, families, businesses or non-profit organizations, complete Item II only.

I. LAND ACQUISITION The pumping station and clear water storage reservoir will be installed on public property and acquisition of private land or relocations will not be required.

- a. Attach a brief description of the parcel or parcels of land to be acquired in fee simple or other interest and any structures or improvements thereon and a statement indicating the basis and source of estimated costs.
- b. Attach the Applicant's "Land Acquisition Policy Statement" as required under section 402 of the Housing and Urban Development Act of 1965 (see instructions contained in Form HUD-41401-4a).

II. RELOCATION

(Complete this section if authorized relocation payments are to be made to individuals, families, business concerns, or nonprofit organizations displaced by the proposed project.)

Show breakdown of estimate of total amount of relocation payments to be made, as follows:

TYPE OF PAYMENT AND CLASS OF PAYEE	ESTIMATED NUMBER TO RECEIVE PAYMENTS	ESTIMATED AVERAGE AMOUNT	ESTIMATED TOTAL PAYMENTS
1. Total moving expenses and actual direct loss of property			\$
a. Individuals		\$	\$
b. Families		\$	\$
c. Businesses and nonprofit organizations ¹		\$	\$
¹ Amount included on Line 1.c which represents portion(s) in excess of \$25,000 to be included in relocation grant			\$
2. Total settlement costs and related charges			\$
a. Individuals		\$	\$
b. Families		\$	\$
c. Businesses and nonprofit organizations		\$	\$
3. Total Relocation Adjustment Payments			\$
a. Elderly individuals		\$	\$
b. Families		\$	\$
4. Displacement payments to small business concerns		\$	\$
5. Total Estimated Payments ² (Sum of lines 1, 2, 3 and 4)			
² Transfer the Total Estimated Payments amount to Item III.5.b, Supplement No. 1, Engineering Data (Form HUD-41401-1).			

RESOLUTION

WHEREAS, pursuant to Section 702 of Public Law 89-117 the United States of America has authorized the Department of Housing and Urban Development to make grants to assist local public bodies and agencies in financing specific projects for basic water and sewer facilities; and

WHEREAS, the City of Wichita, Kansas has filed application with the Department of Housing and Urban Development for a grant to assist in financing construction of a high service pumping station and clear water storage reservoir.

NOW, THEREFORE, BE IT RESOLVED by the governing body of the City of Wichita, Kansas Board of City Commissioners,

1. That, to insure compliance with Section 402 of the Housing and Urban Development Act of 1965, the following Land Acquisition Policy Statement be and is hereby adopted:

(a) It will make every reasonable effort to acquire the real property by negotiated purchase before instituting eminent domain proceedings.

(b) It will not require any owner to surrender possession of real property until the applicant pays, or causes to be paid, to the owner (1) the agreed purchase price arrived at by negotiation, or (2) in any case where only the amount of the payment to the owner is in dispute, not less than 75 per cent of the appraised fair value as approved by the applicant and concurred in by HUD.

(c) It will not require any person lawfully occupying property to surrender possession without at least 90 days written notice from the applicant of the date on which possession will be required.

2. That Robert H. Hess, Director of Water and Water Pollution Control, be and is hereby authorized and directed to submit this resolution to the Department of Housing and Urban Development to be a part of the application designated WS-KANS-83.

ADOPTED at Wichita, Kansas on this 25th day of November, 1969.

Donald K. Enoch
Donald K. Enoch, Mayor

ATTEST:

Ralph C. Eberly
Ralph C. Eberly, City Clerk

Approved as to form John Dekker
John Dekker, Director of Law



THE CITY OF WICHITA

OFFICE OF THE MAYOR
AMHERST 2-8211 — AREA CODE 316
CITY BUILDING — 204 S. MAIN ST.
WICHITA, KANSAS 67202

November 25, 1969

James W. Bibb, Chairman
Kansas State Planning & Development Clearing House
Kansas Budget Department
Topeka, Kansas 66612

Dear Mr. Bibb:

Re: City of Wichita Water
Facilities Notification
of Intent to File Appli-
cation for Federal
Assistance

The City of Wichita, Kansas, does hereby request review and approval of an application for federal assistance pursuant to Section 204 of the Demonstration Cities & Metropolitan Development Act of 1966 and Section 201 of Title IV of the Inter-Governmental Cooperation Act of 1968.

The City of Wichita has filed preliminary application for federal assistance for public works and facility type projects with the Department of Housing & Urban Development, Region Five, 819 Taylor Street, Fort Worth, Texas.

As a result of the review of the preliminary inquiry, we have received instructions to file a complete application. The project herein described has been designated WS-KANS-83, City of Wichita Water Facilities.

Comprehensive planning for the City of Wichita Water Facilities Program has determined that population growth for the City of Wichita has followed a continuous increased pattern,

and water demands have followed a similar pattern. Maximum hourly water demands are expected to increase from 100.7 mgd to about 195.0 mgd by 1990. With these long range considerations and the immediate need for a reliable pumping station, the City of Wichita on May 29, 1967 entered into a contract with Black & Veatch Consulting Engineers, Kansas City, Missouri for an indepth study of Wichita's pumping station. Black & Veatch "Report On High Service Pumping" for the City of Wichita was received and filed by the Board of City Commissioners July 29, 1969. The report recommendations are as follows:

1. It is recommended that the City construct a new all electric pumping station as soon as plans, specifications, and financing can be arranged. The proposed pumping station would have an initial capacity of 130 million gallons per day to provide adequate capacity for the short range water program and provisions for installation of an additional 30 million gallons per day of pumping capacity to provide for the foreseeable future growth for the City of Wichita.
2. It is recommended that the City construct a 7.5 million gallon clear water reservoir in the vicinity of the new pumping station to provide proper balance between pumping and treatment plant rates. With this addition, the total clear water storage capacity will be 20.1 million gallons.

The proposed high service all electric pumping station will replace the City of Wichita's present pumping station which was built in 1888 and has been modified and expanded numerous times. The firm capacity of the existing station is 86.9 million gallons per day and this capacity has been exceeded on numerous occasions.

Expansion of the present pumping and storage facilities cannot be done in the same manner and pattern as previous additions if the existing site is to be utilized properly. The number of pumping units should be reduced to provide increased operation-maintenance efficiencies. Remodeling the existing pumping station and associated piping would cost almost as much as new facilities.

THE CITY OF WICHITA 3

Development of the project is consistent with first priority items recommended by Black & Veatch Consulting Engineers in the 1968 "Report On Operation And Condition Of The Wichita Water Utility, Wichita, Kansas". This project is consistent with the comprehensive plan to provide equality of service for the entire metropolitan area.

Within the northeast quadrant of the City there are 5.07 square miles that have been designated by HUD as a Model Neighborhood area. The low water pressure conditions that exist in this area during high water demands were previously described in the City's application to HUD for assistance in financing of the northeast transmission main, which was approved and designated as HUD Project WS-KANS-70. This project is now under construction. The proposed high service pumping station in conjunction with the northeast transmission main will provide improved fire protection and water service to the northeast quadrant of the City and will provide for the long range projected growth of the northeast suburban areas.

Total project cost for the high service pumping station and clear water storage reservoir is \$3,565,000.

The Board of City Commissioners, City of Wichita, has requested that the Department of Water and Water Pollution Control proceed with the application for federal assistance and has directed the Consulting Engineers to proceed with the preparations of plans and specifications for the high service pumping station and clear water storage reservoir and exercise the option for resident engineering services.

The City of Wichita expects to formally file an application with Region Five, Department of Housing and Urban Development on or about January 23, 1969.

The City of Wichita will be pleased to provide any additional information concerning the proposed project as you may request.

Respectfully submitted,



Donald K. Enoch, Mayor

DKE:GWR:sc

cc: Ralph Wulz, City Manager
Robert H. Hess, Director of Water & Water Pollution Control

STATE OF KANSAS

Department of  Administration

Budget Division
STATEHOUSE—TOPEKA 66612
January 20, 1970

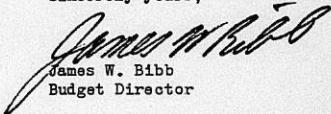
The Honorable Donald K. Enoch
Mayor of Wichita
City Building
204 South Main Street
Wichita, Kansas 67202

Dear Mayor Enoch:

Your proposal for federal assistance to construct a high service pumping station (WS-Kansas-83 Project) has been processed by the state planning and development clearing house.

After review by interested state agencies, it has been found that there is no state objection to your project.

Sincerely yours,


James W. Bibb
Budget Director

JWB:PAS:gh



THE CITY OF WICHITA

OFFICE OF THE MAYOR

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING — 204 S. MAIN ST.
WICHITA, KANSAS 67202

November 25, 1969

Wichita-Sedgwick County
Regional Planning Commission
104 South Main
Wichita, Kansas 67202

Dear Gentlemen:

Re: City of Wichita Water
Facilities Notification
of Intent to File Appli-
cation for Federal
Assistance

The City of Wichita, Kansas, does hereby request review and approval of an application for federal assistance pursuant to Section 204 of the Demonstration Cities & Metropolitan Development Act of 1966 and Section 201 of Title IV of the Inter-Governmental Cooperation Act of 1968.

The City of Wichita has filed preliminary application for federal assistance for public works and facility type projects with the Department of Housing & Urban Development, Region Five, 819 Taylor Street, Fort Worth, Texas.

As a result of the review of the preliminary inquiry, we have received instructions to file a complete application. The project herein described has been designated WS-KANS-83, City of Wichita Water Facilities.

Comprehensive planning for the City of Wichita Water Facilities Program has determined that population growth for the City of Wichita has followed a continuous increased pattern,



ALL-AMERICA CITY

and water demands have followed a similar pattern. Maximum hourly water demands are expected to increase from 100.7 mgd to about 195.0 mgd by 1990. With these long range considerations and the immediate need for a reliable pumping station, the City of Wichita on May 29, 1967 entered into a contract with Black & Veatch Consulting Engineers, Kansas City, Missouri for an indepth study of Wichita's pumping station. Black & Veatch "Report On High Service Pumping" for the City of Wichita was received and filed by the Board of City Commissioners July 29, 1969. The report recommendations are as follows:

1. It is recommended that the City construct a new all electric pumping station as soon as plans, specifications, and financing can be arranged. The proposed pumping station would have an initial capacity of 130 million gallons per day to provide adequate capacity for the short range water program and provisions for installation of an additional 30 million gallons per day of pumping capacity to provide for the foreseeable future growth for the City of Wichita.
2. It is recommended that the City construct a 7.5 million gallon clear water reservoir in the vicinity of the new pumping station to provide proper balance between pumping and treatment plant rates. With this addition, the total clear water storage capacity will be 20.1 million gallons.

The proposed high service all electric pumping station will replace the City of Wichita's present pumping station which was built in 1888 and has been modified and expanded numerous times. The firm capacity of the existing station is 86.9 million gallons per day and this capacity has been exceeded on numerous occasions.

Expansion of the present pumping and storage facilities cannot be done in the same manner and pattern as previous additions if the existing site is to be utilized properly. The number of pumping units should be reduced to provide increased operation-maintenance efficiencies. Remodeling the existing pumping station and associated piping would cost almost as much as new facilities.

THE CITY OF WICHITA 3

Development of the project is consistent with first priority items recommended by Black & Veatch Consulting Engineers in the 1968 "Report On Operation And Condition Of The Wichita Water Utility, Wichita, Kansas". This project is consistent with the comprehensive plan to provide equality of service for the entire metropolitan area.

Within the northeast quadrant of the City there are 5.07 square miles that have been designated by HUD as a Model Neighborhood area. The low water pressure conditions that exist in this area during high water demands were previously described in the City's application to HUD for assistance in financing of the northeast transmission main, which was approved and designated as HUD Project WS-KANS-70. This project is now under construction. The proposed high service pumping station in conjunction with the northeast transmission main will provide improved fire protection and water service to the northeast quadrant of the City and will provide for the long range projected growth of the northeast suburban areas.

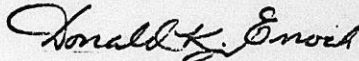
Total project cost for the high service pumping station and clear water storage reservoir is \$3,565,000.

The Board of City Commissioners, City of Wichita, has requested that the Department of Water and Water Pollution Control proceed with the application for federal assistance and has directed the Consulting Engineers to proceed with the preparations of plans and specifications for the high service pumping station and clear water storage reservoir and exercise the option for resident engineering services.

The City of Wichita expects to formally file an application with Region Five, Department of Housing and Urban Development on or about January 23, 1969.

The City of Wichita will be pleased to provide any additional information concerning the proposed project as you may request.

Respectfully submitted,



Donald K. Enoch, Mayor

DKE:GWR:sc

cc: Ralph Wulz, City Manager
Robert H. Hess, Director of Water & Water Pollution Control

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-0611 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

January 16, 1970

Honorable Donald K. Enoch, Mayor
City of Wichita
204 South Main Street
Wichita, Kansas 67202

Re: City of Wichita Water
Facilities Project No.
WS-Kans-83, Case No.
DR 69-18

Dear Mayor Enoch:

Reference is made to your letter of November 25, 1969 in which you state that the City of Wichita will file an application for Federal funds to be used toward construction of a High Service Pumping Station for the Wichita Water Department. You request that the application be reviewed in accordance with Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966.

In compliance with established procedures in Attachment "A", Part I, of Bureau of the Budget Circular A-95, we mailed a project notification letter to those governmental agencies and others whom we thought would be interested in the project. Replies were received from the City of El Dorado and from Mr. Elmer Peters, Commissioner for the 1st District and from Mr. Earl Rush, Chairman of Sedgwick County Commissioners. No replies were received either verbally or written which would indicate opposition to the project or that the Pump Station may duplicate or conflict with any like facility.

On August 14, 1969, the High Service Pumping Station Project No. WS-Kans-83 was reviewed by the Wichita-Sedgwick County Metropolitan Area Planning Commission. On August 25, 1969, the comments and recommendations of the Planning Commission were transmitted to the City Manager for inclusion in the preliminary application.

WICHITA—SEDGWICK COUNTY

Page 2 - Mayor Enoch - January 16, 1970

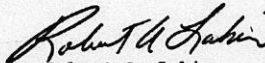
A review of the information and data submitted with your letter indicates there has been no change in the project or the application since they were reviewed in August; consequently, there would be no change in the findings, comments and recommendations of the Wichita-Sedgwick County Metropolitan Area Planning Commission (Metropolitan Clearinghouse).

Attached for inclusion in the final application are the following:

1. Project notification letter.
2. Letter from City of El Dorado, Kansas.
3. Letter from Mr. Elmer S. Peters, Commissioner, First District.
4. Metropolitan Area Planning Department letter to Mr. Peters.
5. Excerpt of Minutes from Board of Sedgwick County Commissioners' meeting of January 7, 1970.
6. Letter from Mr. Earl E. Rush, Chairman, Board of Sedgwick County Commissioners.
7. Transmittal letter to Ralph Wulz, City Manager (dated August 25, 1969).
8. Comments and Recommendations of Metropolitan or Regional Planning Agencies dated August 25, 1969 with attachments consisting of Exhibit "A" and Exhibit "B".
9. Comments and Recommendations of the City Demonstration Agency dated August 22, 1969.

Items 7 and 8 are copies of the Planning Commission Actions and since there have been no changes, they are valid for use in your formal application.

Yours very truly,



Robert A. Lakin
Secretary

RAL:JPL:bh
Enclosures

cc: Ralph Wulz, City Manager
Robert H. Hess, Director, Water and Water Pollution Control

WICHITA—SEDCWICK COUNTY



METROPOLITAN AREA PLANNING
DEPARTMENT

AMHERST 2-0511 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

December 5, 1969

In compliance with the procedures established by Bureau of the Budget Circular A-95, this is to advise you that the City of Wichita intends to file an application for Federal funds which will be used for construction of new water facilities. For your information, facts about the project are listed below:

Project Title:

City of Wichita Water Facilities
Project No. WS-Kans-83

Description:

1. Construction of new high service pumping station
2. All electrically operated
3. Design capacity 130 mgd for short-range needs
4. Provision will be made to increase capacity to about 195 mgd by 1990 for long range needs
5. Included in project is a new clearwater storage reservoir whose design capacity will be 7.5 mgd.
6. Estimated cost for total project is \$3,565,000

Benefits to be derived from this project would be assurance to the City of Wichita that pumping facilities would be reliable and adequate to serve the City's short and long-range needs. Also, this improvement would provide the capabilities to the water system for supplying urbanized areas contiguous to the City. The proposed high service pumping station operating in

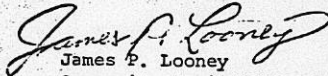
WICHITA - SEDGWICK COUNTY

Page 2 - Water Facilities - December 5, 1969

conjunction with the northeast water transmission main, which is presently under construction, will remedy the low water pressure conditions that presently exist in the Model Neighborhood area in the northeast quadrant of the City.

The City of Wichita wishes to expedite their application as much as possible; consequently, it is requested that you notify this agency within ten days whether or not you are interested in the project. Your comments will be transmitted to the Wichita-Sedgwick County Metropolitan Area Planning Commission when they review the project application.

Yours very truly,



James P. Looney
Community Facilities Planner

JPL:bh

Copies of this letter were sent to:

David H. Doty, City Manager, City of Eldorado
Earl Rush, Chairman, Sedgwick County Commission
Elmer Peters, Sedgwick County Commission
Tom Scott, Sedgwick County Commission
Russell E. McClure, Director, City Demonstration Agency
Lee Dennett, Mayor, City of Augusta
Kenneth Kitchen, Director, Urban Renewal Agency
Garland P. Ferrell, Chairman, Butler County Commission
Robert H. Hess, Director, Water and Water Pollution Control

The City of El Dorado

El Dorado, Kansas



December 9, 1969

James P. Looney, Community Facilities Planner
Wichita-Sedgwick County Metropolitan Area Planning Department
City Building Annex
104 South Main Street
Wichita, Kansas 67202


Re: Project No. WS-Kans-83

Dear Mr. Looney:

This is to acknowledge receipt of your letter of December 5, concerning a grant application for certain Wichita water facility modifications.

In as much as the proposed modifications in no way affect El Dorado's service area, the City has no specific interest in the project. We herewith waive any actual and/or implied rights of application review with regard to Project No. WS-Kans-83.

Sincerely yours,


David H. Doty
City Manager

DHD:bjk

cc: Garland P. Ferrell, Chairman -
Butler County Planning Commission



12-10-69
OFF.



**COUNTY OF SEDGWICK
COMMISSIONERS OFFICE**

DIST. NO. 1 - ELMER S. PETERS
DIST. NO. 2 - TOM SCOTT
DIST. NO. 3 - EARL E. RUSH, CHAIRMAN
ROOM 320

COUNTY COURTHOUSE, WICHITA, KANSAS, 67203

TELEPHONE 268-7411

December 12, 1969

Mr. James P. Looney
Community Facilities Planner
Metropolitan Area Planning Department
City Building Annex
104 South Main
Wichita, Kansas 67202



Dear Sir:

I have your letter of December 5, 1969, regarding the City's intention to seek federal funds for new water facilities for the City of Wichita.

I, of course, wish to assist in every way because it sounds as though this is a worthwhile project.

I would appreciate, however, receiving more information regarding this project before blindly endorsing it. Can you please give me the answers to the following questions:

1. Where will the pumping station be located?
2. Will any new water lines feed the station, and, if so, what is their proposed route?
3. Will any property outside of the City Limits and within Sedgwick County be taken for this project, and, if so, approximately where and how much?
4. What would be the financial obligation expected of the County?
5. What would be the extent of the County's participation either in money, material, labor or planning?
6. Will the services of this facility be made available only to residents within the City Limits of Wichita, or may others share?
7. The expected beginning and completion date of the project.

If you will supply me with this information I can then more adequately lend my support to this project.

Sincerely,

Elmer S. Peters
Commissioner, First District

ESP-h

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
DEPARTMENT

AMHERST 2-9211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

December 16, 1969

Mr. Elmer S. Peters
Commissioner, 1st District
County of Sedgwick
Commissioner's Office
Room 320, Courthouse
Wichita, Kansas 67203

Re: City of Wichita Water
Facilities, Project No.
WS-Kans-83, Case No. DR 69-18

Dear Mr. Peters:

I am pleased to transmit additional information on the City's proposed water works improvements as requested in your letter of December 12, 1969.

The following are the answers to your questions in the numerical order listed in your letter:

1. The proposed high service pumping station will be constructed in close proximity to the existing pumping station in the Sim Park area. It is the intent to raze the old facility when the new pumping station is complete; however, the new facility must be constructed and placed in operation before the old pumping station can be demolished.
2. There will be no new water lines feeding the station. However, it will be necessary to alter and modify the existing yard piping to connect into the new pumping station. The only new water line of major proportion is the 48-inch transmission main which is presently under construction starting at the Island Pumping Station in Sim Park and extending in a northeasterly direction terminating in the vicinity of Yale and 21st Street. This is a separate project and is not related to the new high service pumping station and reservoir.

Page 2 - Elmer S. Peters - December 15, 1969

3. There will be no need to acquire property outside the City Limits. The structure will be constructed on land presently owned by the City of Wichita and occupied by the Wichita Water Department.
4. There will be no financial obligation on the County's part.
5. There will be no participation on the County's part either in money, material or labor. Where applications are made for Federal funds by governmental agencies within the County, Circular A-95 published by the Bureau of the Budget, and Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966, require that these applications be reviewed by the Metropolitan Area Planning Commission which has been designated as the Metropolitan Clearinghouse for all of Sedgwick County.
6. Wichita water is presently available to users outside the corporate limits of the City and construction of the new facility will not change this policy. In fact, the new pumping station will provide the capacity for transporting water through the City's distribution system to nearby outlying communities who would desire service from Wichita.
7. A date for beginning and completion of the project has not been established. It is the intent to begin construction as quickly as answers can be obtained from the Department of Housing and Urban Development on the application. This would likely be the early part of 1970. The project would probably be completed late in 1971.

In addition to the above answers, I am enclosing a copy of the review prepared by this department when the application was submitted in preliminary form for the Planning Commission's approval. The review was prepared under requirements of Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966. Beginning October 1, 1969, the procedures and requirements of Circular A-95 issued by the Bureau of the Budget takes precedence over all previous review requirements.

Please call me if you have any additional questions. If you would care to discuss the proposed project with Mr. Hess, Director of

Page 3 - Elmer S. Peters - December 16, 1969

Water and Water Pollution Control, I am sure this could be arranged.

Yours very truly,

James P. Looney
Community Facilities Planner
Long Range Division

JPL:bh

Attachment

cc: Ralph Wulz, City Manager
Robert H. Hess, Director, Water and Water Pollution Control

BOARD OF SEDGWICK COUNTY COMMISSIONERS
PROCEEDINGS

Regular Meeting
January 7, 1970

The motion to deny carried unanimously.

CITY OF WICHITA WATER
FACILITIES,
PROJECT NO.
WS-KANS-83

Mr. Peters stated that he would like to discuss one other item. He stated that a letter had been received from James Looney of MAPC in regards to City of Wichita Water Facilities, Project No. WS-Kans-83, Case No. DR 69-18. He stated that they are applying for Federal funds and would like to know that the County is not opposed to this. He read a portion of the letter explaining their intentions.

Mr. Peters moved that the Chairman write a letter to Mr. Looney saying that the County supports this project.

Mr. Scott seconded the motion.

The motion carried unanimously.

The meeting was adjourned.

BOARD OF COUNTY COMMISSIONERS
OF SEDGWICK COUNTY, KANSAS

EARL E. RUSH, Chairman

ELMER S. PETERS, Commissioner

TOM SCOTT, Commissioner

ATTEST:

BETTY MCDONALD, Deputy County Clerk

Approved: _____, 1970.



**COUNTY OF SEDGWICK
COMMISSIONERS OFFICE**

DIST. NO. 1 - ELMER S. PETERS
DIST. NO. 2 - TOM SCOTT
DIST. NO. 3 - EARL E. RUSH, CHAIRMAN
ROOM 320

COUNTY COURTHOUSE, WICHITA, KANSAS, 67203

TELEPHONE 268-7411

January 14, 1970

Mr. Jim Looney
Metropolitan Area Planning Commission
104 South Main
Wichita, Kansas 67202

Dear Mr. Looney:

Re: City of Wichita Water
Facilities, Project No.
WS-Kans-83

The above matter was discussed at the regular
County Commission meeting on January 7, 1970,
and was approved.

Sincerely,

Earl E. Rush

Earl E. Rush, Chairman
Board of County Commissioners

EER-h



WICHITA—SEDBWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

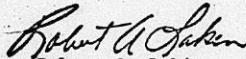
August 25, 1969

Ralph Wulz, City Manager
City of Wichita
204 South Main
Wichita, Kansas 67202

Dear Mr. Wulz:

The Wichita Water Department, acting for the City of Wichita, requested that the Metropolitan Area Planning Commission review their application for a Federal grant which would be used toward financing the construction of a new High Service Pumping Station which would replace the existing obsolete facility. Pursuant to Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966, the application was reviewed by the Planning Commission at their regular meeting on Thursday, August 14, 1969. Also, in compliance with the instructions from the Department of Housing and Urban Development, the application was presented to the City Demonstration Agency who reviewed it for conformance with the Model Cities Planning Program. The comments of the Metropolitan Area Planning Commission and the City Demonstration Agency are attached herewith for inclusion in the application.

Yours very truly,


Robert A. Lakin,
Secretary

EAL:JPL:bh

Enclosures

cc: Robert Hess, Director of Water and Water Pollution Control

COMMENTS AND RECOMMENDATIONS
OF
STATE, METROPOLITAN OR REGIONAL PLANNING AGENCIES

August 25, 1969

Planning Agency:

Name Wichita-Sedgwick County Metropolitan Area Planning
Commission

Address 104 South Main, Wichita, Kansas 67202

Source of Authority for Establishment of Agency See
Attachment - Exhibit "A"

Grant Applicant:

Name City of Wichita, Kansas c/o Ralph Wulz, City Manager

Address 204 South Main, Wichita, Kansas 67202

Project Description:

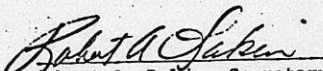
Case DR 69-18
High Service Pumping Station for City of Wichita

Certification:

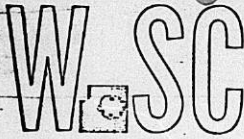
The project described above does (X) does not () conform
with the Comprehensive Plan developed or in the process of
development for the metropolitan area in which it is located.

Comments and Recommendations:

See Attachment - Exhibit "B"


Robert A. Lakin, Secretary
Wichita-Sedgwick County Metro-
politan Area Planning Commission

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

August 25, 1969

"EXHIBIT A"

**AUTHORITY FOR ESTABLISHMENT OF THE WICHITA-SEDGWICK COUNTY
METROPOLITAN AREA PLANNING COMMISSION IS BY:**

Joint agreement between the City of Wichita and Sedgwick County under the laws of the State of Kansas, K.S.A. 1965 Supp. 12-716 et. seq., and

Membership of cities in the Metropolitan Area Planning Commission is authorized by a joint resolution between the Board of County Commissioners of Sedgwick and Sumner Counties, and by ordinance enacted by the Cities of Wichita, Haysville, Derby, Valley Center, Mulvane, Cheney, Andale, and Goddard.

Applicable ordinances enacted by the cities are:

City of Wichita	No. 29-610
City of Haysville	No. 238
City of Derby	No. 741
City of Valley Center	No. 413
City of Mulvane	No. 375
City of Cheney	No. 386
City of Andale	No. 68-1
City of Goddard	No. 52

The Metropolitan Area Planning Commission was certified on June 20, 1967, by the Secretary of Housing and Urban Development as the areawide review agency for Sedgwick County under Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966.

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

August 25, 1969

EXHIBIT "B"

COMMENTS AND RECOMMENDATIONS

Re:
DR 69-18
High Service
Pumping Station

At their regular meeting on August 14, 1969, the Wichita-Sedgwick County Metropolitan Area Planning Commission acting in accordance with Section 204 of the Demonstration Cities and Metropolitan Act of 1966, reviewed a proposal submitted by the Wichita Water Department for a new high service pumping station. The review was to determine whether the project is in conformance with elements of the comprehensive plan which are in the process of development for the Wichita-Sedgwick County Metropolitan Area. Results of the Planning Commission's review follows:

- A. The proposed project consists of the construction of a new, all electric, High Service Pumping Station which would have an initial pumping capability of 130 million gallons per day (mgd) with provision for installing an additional 30 mgd of pumping capacity.
- B. Construction of a new underground clearwater storage reservoir having a storage capability of 7.5 million gallons plus the modification and reconstruction of all "yard" piping in the area.
- D. The following features and facts relate to the High Service Pumping Station:
 1. The substructure will be constructed of reinforced concrete.

2. The super structure will be of masonry construction, architecturally designed to be aesthetically pleasing and compatible with the surrounding area.
 3. The noise level will be less than that of the existing pumping station.
 4. There will be no emission of polluting substances into the atmosphere.
 5. The station will not be a traffic generator.
 6. It will be constructed in an area of "like-land-use". The only building in the vicinity of the proposed pump station is the Wichita Art Museum which is about 1000 feet or more to the north.
- E. The Utility Facility Plan Report refers to the obsolescence of the pumping equipment in the present Island Pump Station and the possibility that prolonged use of old equipment may not provide reliable service and operating economy. Also, the Report recommends that the capacity of the Island Pumping Station be increased when the demand justifies such action.
- F. The "Water Supply and Distribution Plan" which is in the process of being updated, contains the recommendation that, "the existing Island Pumping Station be reconstructed and modernized so that adequate pumping capacity, reliability and economy of operation will be available to serve Wichita and the surrounding urban areas". The consulting engineers have found that reconstruction of the existing facility would be nearly as expensive as building an entirely new plant; consequently, they recommend construction of a completely new High Service Pumping Station.
- G. Upon completion of the new pumping station, the old facility will be razed. Consequently, the new station does not duplicate any like facility but instead replaces the old obsolete structure and equipment, portions of which have been in service since 1888.

- H. The Utility Facilities Plan Report recommends that additional clearwater storage capacity be provided when the demand justifies.

CONCLUSION

On the basis of the above facts, the Planning Commission concluded that: (1) the project is consistent with Comprehensive Planning for the Wichita-Sedgwick County Metropolitan Area; (2) that construction of the facility will fulfill the areawide planning criteria for providing a unified water system capable of providing a water supply to the several urbanized areas in the vicinity of Wichita; (3) construction of the project would not conflict with nor duplicate any other like facility in the Metropolitan Area and (4) special care must be given to the architectural design of the High Service Pumping Station and to landscaping the area to assure that the new facilities are aesthetically pleasing and compatible with the surrounding park area.

CERTIFICATION

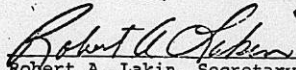
On the basis of the above facts and conclusions, Commissioner Hap D. Bledsoe moved, Commissioner H. W. Kratzer seconded and the motion unanimously carried that the Wichita-Sedgwick County Metropolitan Area Planning Commission certify that:

1. The proposed construction of a new High Service Pump Station, by the City of Wichita, is consistent with the Comprehensive Plan in the process of development for the Wichita-Sedgwick County Metropolitan Area.
2. The project complies with the short and long-range areawide water systems plan which is currently being updated for adoption by the Planning Commission as an element of the Comprehensive Plan for the Wichita-Sedgwick County Metropolitan Area.
3. In addition, the Planning Commission recommends that the Water Department, the City Manager and the Board of City Commissioners give careful consideration to the architectural design of the pumping station and to landscaping the area to assure that the new

WICHITA—SEDGWICK COUNTY

Page 4 - August 25, 1969

facilities are aesthetically pleasing and compatible with the surrounding area and that sufficient funds be allocated for this purpose.



Robert A. Lakin, Secretary
Wichita-Sedgwick County Metro-
politan Area Planning Commission

RAL:bh

COMMENTS AND RECOMMENDATIONS
OF
CITY DEMONSTRATION AGENCY
WICHITA, KANSAS

August 22, 1969

Name City Demonstration Agency

Address 204 South Main Street, Wichita, Kansas 67202

Source of Authority for Establishment of Agency Resolution
dated June 18, 1968 by Board of City Commissioners

Grant Applicant:

Name City of Wichita, Kansas

Address 204 South Main, Wichita, Kansas 67202

Project Description:

High Service Pumping Station for City of Wichita

Certification:

The project described above does () does not (X) conflict
with the comprehensive plan developed or in process of development
for the Model Cities Neighborhood Development Program in the
Wichita Metropolitan Area.

Comments and Recommendations:

(See Attachment)

Russell E. McClure

Russell E. McClure
Deputy City Manager for Urban Affairs

THE CITY OF WICHITA



OFFICE OF THE CITY MANAGER
AREA CODE 318
CITY BUILDING — 204 S. MAIN ST.
WICHITA, KANSAS 67202
262-0611

August 22, 1969

Mr. H. Earl Rosamond
Assistant Regional Administrator
Program Coordination and Services
Department of Housing and Urban Development
819 Taylor Street
Fort Worth, Texas 76102

Dear Mr. Rosamond:

In compliance with a memorandum from the Department of Housing and Urban Development dated October 3, 1968, the City Demonstration Agency has been requested to review the proposed application being submitted by the City of Wichita for a Federal grant to aid in financing the construction of a new high service pumping station.

The review is to determine whether the project is in conformance with the Model Cities Program which is developed or in the process of development for the Wichita Metropolitan Area.

Physical planning for neighborhood development under the Model Cities Program does not specifically include such major facilities as water treatment plants and pumping stations. However, the City Demonstration Agency does recognize the need to correct pressure deficiencies and provide additional fire protection in the Model Neighborhood area.

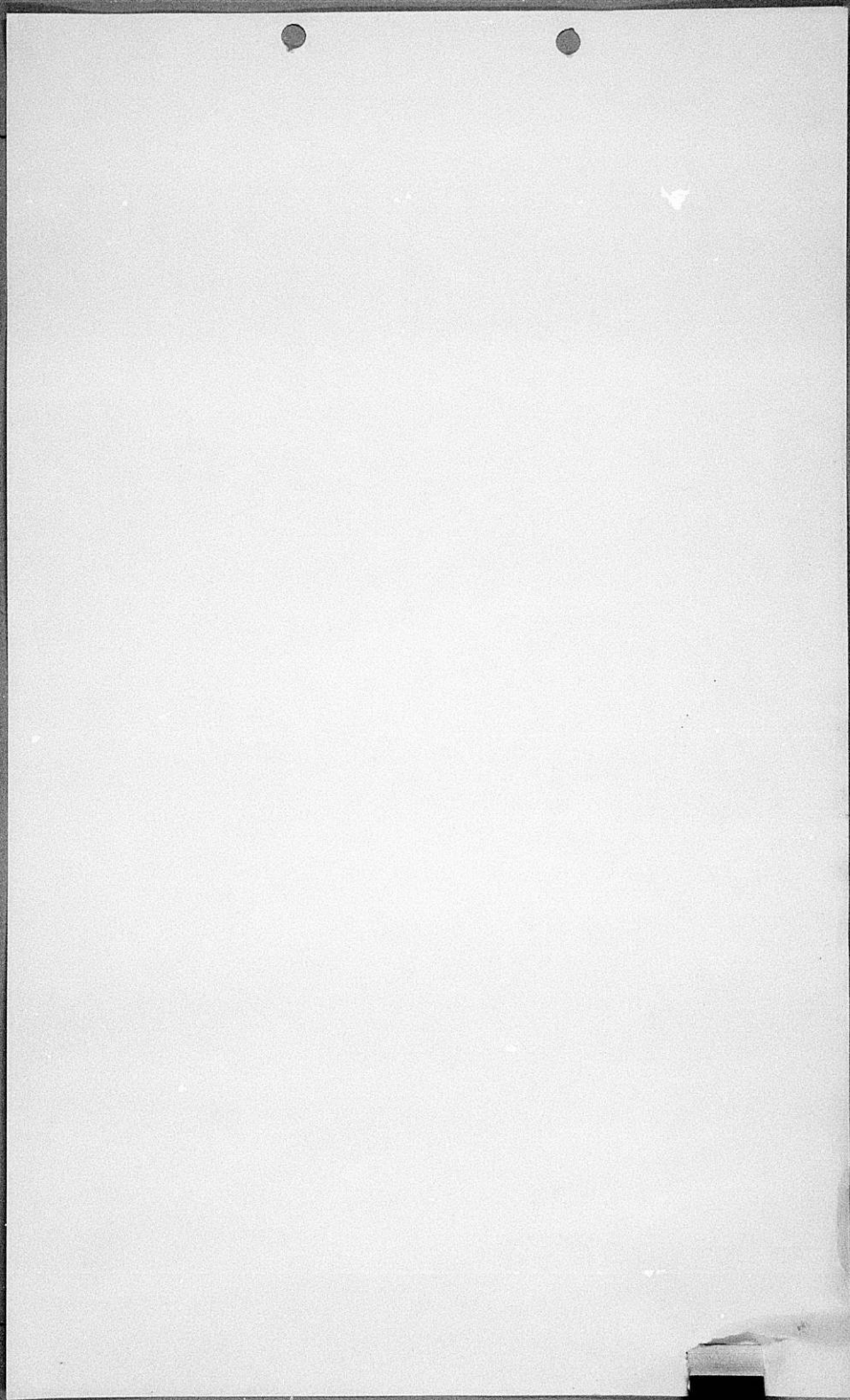
The High Service Pumping Station is an integral part of the comprehensive water system development plan to provide this improved service.

Sincerely,

Russell E. McClure
Deputy City Manager for Urban Affairs

REM:gs

cc: Ralph Wulz, City Manager
Frank H. Carpenter, Acting City Demonstration Agency Coordinator
Robert H. Hess, Director of Water



January 16, 1970

Honorable Donald K. Enoch, Mayor
City of Wichita
204 South Main Street
Wichita, Kansas 67202

Re: City of Wichita Water
Facilities Project No.
WS-Kans-83, Case No.
DR 69-18

Dear Mayor Enoch:

Reference is made to your letter of November 25, 1969 in which you state that the City of Wichita will file an application for Federal funds to be used toward construction of a High Service Pumping Station for the Wichita Water Department. You request that the application be reviewed in accordance with Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966.

In compliance with established procedures in Attachment "A", Part I, of Bureau of the Budget Circular A-95, we mailed a project notification letter to those governmental agencies and others whom we thought would be interested in the project. Replies were received from the City of El Dorado and from Mr. Elmer Peters, Commissioner for the 1st District and from Mr. Earl Rush, Chairman of Sedgwick County Commissioners. No replies were received either verbally or written which would indicate opposition to the project or that the Pump Station may duplicate or conflict with any like facility.

On August 14, 1969, the High Service Pumping Station Project No. WS-Kans-83 was reviewed by the Wichita-Sedgwick County Metropolitan Area Planning Commission. On August 25, 1969, the comments and recommendations of the Planning Commission were transmitted to the City Manager for inclusion in the preliminary application.

Page 2 - Mayor Enoch - January 16, 1970

A review of the information and data submitted with your letter indicates there has been no change in the project or the application since they were reviewed in August; consequently, there would be no change in the findings, comments and recommendations of the Wichita-Sedgwick County Metropolitan Area Planning Commission (Metropolitan Clearinghouse).

Attached for inclusion in the final application are the following:

1. Project notification letter.
2. Letter from City of El Dorado, Kansas.
3. Letter from Mr. Elmer S. Peters, Commissioner, First District.
4. Metropolitan Area Planning Department letter to Mr. Peters.
5. Excerpt of Minutes from Board of Sedgwick County Commissioners' meeting of January 7, 1970.
6. Letter from Mr. Earl E. Rush, Chairman, Board of Sedgwick County Commissioners.
7. Transmittal letter to Ralph Wulz, City Manager (dated August 25, 1969).
8. Comments and Recommendations of Metropolitan or Regional Planning Agencies dated August 25, 1969 with attachments consisting of Exhibit "A" and Exhibit "B".
9. Comments and Recommendations of the City Demonstration Agency dated August 22, 1969.

Items 7 and 8 are copies of the Planning Commission Actions and since there have been no changes, they are valid for use in your formal application.

Yours very truly,

Robert A. Lakin
Secretary

RAL:JPL:bh
Enclosures

cc: Ralph Wulz, City Manager
Robert H. Hess, Director, Water and Water Pollution Control

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
DEPARTMENT

AMHERST 2-0511 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

December 5, 1969

In compliance with the procedures established by Bureau of the Budget Circular A-95, this is to advise you that the City of Wichita intends to file an application for Federal funds which will be used for construction of new water facilities. For your information, facts about the project are listed below:

Project Title:

City of Wichita Water Facilities
Project No. WS-Kans-83

Description:

1. Construction of new high service pumping station
2. All electrically operated
3. Design capacity 130 mgd for short-range needs
4. Provision will be made to increase capacity to about 195 mgd by 1990 for long range needs
5. Included in project is a new clearwater storage reservoir whose design capacity will be 7.5 mgd.
6. Estimated cost for total project is \$3,565,000

Benefits to be derived from this project would be assurance to the City of Wichita that pumping facilities would be reliable and adequate to serve the City's short and long-range needs. Also, this improvement would provide the capabilities to the water system for supplying urbanized areas contiguous to the City. The proposed high service pumping station operating in

WICHITA—SEDGWICK COUNTY

Page 2 - Water Facilities - December 5, 1969

conjunction with the northeast water transmission main, which is presently under construction, will remedy the low water pressure conditions that presently exist in the Model Neighborhood area in the northeast quadrant of the City.

The City of Wichita wishes to expedite their application as much as possible; consequently, it is requested that you notify this agency within ten days whether or not you are interested in the project. Your comments will be transmitted to the Wichita-Sedgwick County Metropolitan Area Planning Commission when they review the project application.

Yours very truly,



James P. Looney
Community Facilities Planner

JPL:bh

Copies of this letter were sent to:

David H. Doty, City Manager, City of Eldorado
Earl Rush, Chairman, Sedgwick County Commission
Elmer Peters, Sedgwick County Commission
Tom Scott, Sedgwick County Commission
Russell E. McClure, Director, City Demonstration Agency
Lee Dennett, Mayor, City of Augusta
Kenneth Kitchen, Director, Urban Renewal Agency
Garland P. Ferrell, Chairman, Butler County Commission
Robert H. Hess, Director, Water and Water Pollution Control

The City of El Dorado

El Dorado, Kansas



December 9, 1969

James P. Looney, Community Facilities Planner
Wichita-Sedgwick County Metropolitan Area Planning Department
City Building Annex
104 South Main Street
Wichita, Kansas 67202

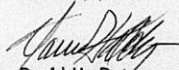
Re: Project No. WS-Kans-83

Dear Mr. Looney:

This is to acknowledge receipt of your letter of December 5, concerning a grant application for certain Wichita water facility modifications.

In as much as the proposed modifications in no way affect El Dorado's service area, the City has no specific interest in the project. We herewith waive any actual and/or implied rights of application review with regard to Project No. WS-Kans-83.

Sincerely yours,


David H. Doty
City Manager

DHD:bjk

cc: Garland P. Ferrell, Chairman
Butler County Planning Commission



12-10-69
SHP



**COUNTY OF SEDGWICK
COMMISSIONERS OFFICE**

DIST. NO. 1 - ELMER S. PETERS
DIST. NO. 2 - TOM SCOTT
DIST. NO. 3 - EARL E. RUSH, CHAIRMAN
ROOM 320

COUNTY COURTHOUSE, WICHITA, KANSAS, 67203

TELEPHONE 268-7411

December 12, 1969

Mr. James P. Looney
Community Facilities Planner
Metropolitan Area Planning Department
City Building Annex
104 South Main
Wichita, Kansas 67202



Dear Sir:

I have your letter of December 5, 1969, regarding the City's intention to seek federal funds for new water facilities for the City of Wichita.

I, of course, wish to assist in every way because it sounds as though this is a worthwhile project.

I would appreciate, however, receiving more information regarding this project before blindly endorsing it. Can you please give me the answers to the following questions:

1. Where will the pumping station be located?
2. Will any new water lines feed the station, and, if so, what is their proposed route?
3. Will any property outside of the City Limits and within Sedgwick County be taken for this project, and, if so, approximately where and how much?
4. What would be the financial obligation expected of the County?
5. What would be the extent of the County's participation either in money, material, labor or planning?
6. Will the services of this facility be made available only to residents within the City Limits of Wichita, or may others share?
7. The expected beginning and completion date of the project.

If you will supply me with this information I can then more adequately lend my support to this project.

Sincerely,

Elmer S. Peters
Commissioner, First District

ESP-h

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
DEPARTMENT

AMHERST 2-9211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

December 16, 1969

Mr. Elmer S. Peters
Commissioner, 1st District
County of Sedgwick
Commissioner's Office
Room 320, Courthouse
Wichita, Kansas 67203

Re: City of Wichita Water
Facilities, Project No.
WS-Kans-83, Case No. DR 69-18

Dear Mr. Peters:

I am pleased to transmit additional information on the City's proposed water works improvements as requested in your letter of December 12, 1969.

The following are the answers to your questions in the numerical order listed in your letter:

1. The proposed high service pumping station will be constructed in close proximity to the existing pumping station in the Sim Park area. It is the intent to raze the old facility when the new pumping station is complete; however, the new facility must be constructed and placed in operation before the old pumping station can be demolished.
2. There will be no new water lines feeding the station. However, it will be necessary to alter and modify the existing yard piping to connect into the new pumping station. The only new water line of major proportion is the 48-inch transmission main which is presently under construction starting at the Island Pumping Station in Sim Park and extending in a northeasterly direction terminating in the vicinity of Yale and 21st Street. This is a separate project and is not related to the new high service pumping station and reservoir.

Page 2 - Elmer S. Peters - December 16, 1969

3. There will be no need to acquire property outside the City Limits. The structure will be constructed on land presently owned by the City of Wichita and occupied by the Wichita Water Department.
4. There will be no financial obligation on the County's part.
5. There will be no participation on the County's part either in money, material or labor. Where applications are made for Federal funds by governmental agencies within the County, Circular A-95 published by the Bureau of the Budget, and Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966, require that these applications be reviewed by the Metropolitan Area Planning Commission which has been designated as the Metropolitan Clearinghouse for all of Sedgwick County.
6. Wichita water is presently available to users outside the corporate limits of the City and construction of the new facility will not change this policy. In fact, the new pumping station will provide the capacity for transporting water through the City's distribution system to nearby outlying communities who would desire service from Wichita.
7. A date for beginning and completion of the project has not been established. It is the intent to begin construction as quickly as answers can be obtained from the Department of Housing and Urban Development on the application. This would likely be the early part of 1970. The project would probably be completed late in 1971.

In addition to the above answers, I am enclosing a copy of the review prepared by this department when the application was submitted in preliminary form for the Planning Commission's approval. The review was prepared under requirements of Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966. Beginning October 1, 1969, the procedures and requirements of Circular A-95 issued by the Bureau of the Budget takes precedence over all previous review requirements.

Please call me if you have any additional questions. If you would care to discuss the proposed project with Mr. Hess, Director of

Page 3 - Elmer S. Peters - December 16, 1969

Water and Water Pollution Control, I am sure this could be arranged.

Yours very truly,

James P. Looney
Community Facilities Planner
Long Range Division

JPL:bh

Attachment

cc: Ralph Wulz, City Manager
Robert H. Hess, Director, Water and Water Pollution Control

**BOARD OF SEDGWICK COUNTY COMMISSIONERS
PROCEEDINGS**

Regular Meeting
January 7, 1970

The motion to deny carried unanimously.

CITY OF WICHITA WATER
FACILITIES,
PROJECT NO.
WS-KANS-83

Mr. Peters stated that he would like to discuss one other item. He stated that a letter had been received from James Looney of MAPC in regards to City of Wichita Water Facilities, Project No. WS-Kans-83, Case No. DR 69-18. He stated that they are applying for Federal funds and would like to know that the County is not opposed to this. He read a portion of the letter explaining their intentions.

Mr. Peters moved that the Chairman write a letter to Mr. Looney saying that the County supports this project.

Mr. Scott seconded the motion.

The motion carried unanimously.

The meeting was adjourned.

BOARD OF COUNTY COMMISSIONERS
OF SEDGWICK COUNTY, KANSAS

EARL E. RUSH, Chairman

ELMER S. PETERS, Commissioner

TOM SCOTT, Commissioner

ATTEST:

BETTY MCDONALD, Deputy County Clerk

Approved: _____, 1970.



**COUNTY OF SEDGWICK
COMMISSIONERS OFFICE**

DIST. NO. 1 - ELMER S. PETERS
DIST. NO. 2 - TOM SCOTT
DIST. NO. 3 - EARL E. RUSH, CHAIRMAN
ROOM 320

COUNTY COURTHOUSE, WICHITA, KANSAS, 67203

TELEPHONE 288-7411

January 14, 1970

Mr. Jim Looney
Metropolitan Area Planning Commission
104 South Main
Wichita, Kansas 67202

Dear Mr. Looney:

Re: City of Wichita Water
Facilities, Project No.
WS-Kans-83

The above matter was discussed at the regular
County Commission meeting on January 7, 1970,
and was approved.

Sincerely,

Earl E. Rush

Earl E. Rush, Chairman
Board of County Commissioners

EER-h



WICHITA—SEDCWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

August 25, 1969

Ralph Wulz, City Manager
City of Wichita
204 South Main
Wichita, Kansas 67202

Dear Mr. Wulz:

The Wichita Water Department, acting for the City of Wichita, requested that the Metropolitan Area Planning Commission review their application for a Federal grant which would be used toward financing the construction of a new High Service Pumping Station which would replace the existing obsolete facility. Pursuant to Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966, the application was reviewed by the Planning Commission at their regular meeting on Thursday, August 14, 1969. Also, in compliance with the instructions from the Department of Housing and Urban Development, the application was presented to the City Demonstration Agency who reviewed it for conformance with the Model Cities Planning Program. The comments of the Metropolitan Area Planning Commission and the City Demonstration Agency are attached herewith for inclusion in the application.

Yours very truly,

Robert A. Lakin,
Secretary

RAL:JPL:bh

Enclosures

cc: Robert Hess, Director of Water and Water Pollution Control

COMMENTS AND RECOMMENDATIONS
OF
STATE, METROPOLITAN OR REGIONAL PLANNING AGENCIES

August 25, 1969

Planning Agency:

Name Wichita-Sedgwick County Metropolitan Area Planning
Commission

Address 104 South Main, Wichita, Kansas 67202

Source of Authority for Establishment of Agency See
Attachment - Exhibit "A"

Grant Applicant:

Name City of Wichita, Kansas c/o Ralph Wulz, City Manager

Address 204 South Main, Wichita, Kansas 67202

Project Description:

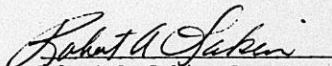
Case DR 69-18
High Service Pumping Station for City of Wichita

Certification:

The project described above does (X) does not () conform
with the Comprehensive Plan developed or in the process of
development for the metropolitan area in which it is located.

Comments and Recommendations:

See Attachment - Exhibit "B"


Robert A. Lakin, Secretary
Wichita-Sedgwick County Metro-
politan Area Planning Commission

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

August 25, 1969

"EXHIBIT A"

AUTHORITY FOR ESTABLISHMENT OF THE WICHITA-SEDGWICK COUNTY
METROPOLITAN AREA PLANNING COMMISSION IS BY:

Joint agreement between the City of Wichita and Sedgwick County under the laws of the State of Kansas, K.S.A. 1965 Supp. 12-716 et. seq., and

Membership of cities in the Metropolitan Area Planning Commission is authorized by a joint resolution between the Board of County Commissioners of Sedgwick and Sumner Counties, and by ordinance enacted by the Cities of Wichita, Haysville, Derby, Valley Center, Mulvane, Cheney, Andale, and Goddard.

Applicable ordinances enacted by the cities are:

City of Wichita	No. 29-610
City of Haysville	No. 238
City of Derby	No. 741
City of Valley Center	No. 413
City of Mulvane	No. 375
City of Cheney	No. 386
City of Andale	No. 68-1
City of Goddard	No. 52

The Metropolitan Area Planning Commission was certified on June 20, 1967, by the Secretary of Housing and Urban Development as the areawide review agency for Sedgwick County under Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966.

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

August 25, 1969

EXHIBIT "B"

COMMENTS AND RECOMMENDATIONS

Re:
DR 69-18
High Service
Pumping Station

At their regular meeting on August 14, 1969, the Wichita-Sedgwick County Metropolitan Area Planning Commission acting in accordance with Section 204 of the Demonstration Cities and Metropolitan Act of 1966, reviewed a proposal submitted by the Wichita Water Department for a new high service pumping station. The review was to determine whether the project is in conformance with elements of the comprehensive plan which are in the process of development for the Wichita-Sedgwick County Metropolitan Area. Results of the Planning Commission's review follows:

- A. The proposed project consists of the construction of a new, all electric, High Service Pumping Station which would have an initial pumping capability of 130 million gallons per day (mgd) with provision for installing an additional 30 mgd of pumping capacity.
- B. Construction of a new underground clearwater storage reservoir having a storage capability of 7.5 million gallons plus the modification and reconstruction of all "yard" piping in the area.
- D. The following features and facts relate to the High Service Pumping Station:
 1. The substructure will be constructed of reinforced concrete.

WICHITA—SEDGWICK COUNTY

Page 2 - August 25, 1969

2. The super structure will be of masonry construction, architecturally designed to be aesthetically pleasing and compatible with the surrounding area.
 3. The noise level will be less than that of the existing pumping station.
 4. There will be no emission of polluting substances into the atmosphere.
 5. The station will not be a traffic generator.
 6. It will be constructed in an area of "like-land-use". The only building in the vicinity of the proposed pump station is the Wichita Art Museum which is about 1000 feet or more to the north.
- E. The Utility Facility Plan Report refers to the obsolescence of the pumping equipment in the present Island Pump Station and the possibility that prolonged use of old equipment may not provide reliable service and operating economy. Also, the Report recommends that the capacity of the Island Pumping Station be increased when the demand justifies such action.
- F. The "Water Supply and Distribution Plan" which is in the process of being updated, contains the recommendation that, "the existing Island Pumping Station be reconstructed and modernized so that adequate pumping capacity, reliability and economy of operation will be available to serve Wichita and the surrounding urban areas". The consulting engineers have found that reconstruction of the existing facility would be nearly as expensive as building an entirely new plant; consequently, they recommend construction of a completely new High Service Pumping Station.
- G. Upon completion of the new pumping station, the old facility will be razed. Consequently, the new station does not duplicate any like facility but instead replaces the old obsolete structure and equipment, portions of which have been in service since 1888.

WICHITA—SEDGWICK COUNTY

Page 3 - August 25, 1969

- H. The Utility Facilities Plan Report recommends that additional clearwater storage capacity be provided when the demand justifies.

CONCLUSION

On the basis of the above facts, the Planning Commission concluded that: (1) the project is consistent with Comprehensive Planning for the Wichita-Sedgwick County Metropolitan Area; (2) that construction of the facility will fulfill the areawide planning criteria for providing a unified water system capable of providing a water supply to the several urbanized areas in the vicinity of Wichita; (3) construction of the project would not conflict with nor duplicate any other like facility in the Metropolitan Area and (4) special care must be given to the architectural design of the High Service Pumping Station and to landscaping the area to assure that the new facilities are aesthetically pleasing and compatible with the surrounding park area.

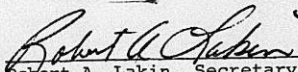
CERTIFICATION

On the basis of the above facts and conclusions, Commissioner Hap D. Bledsoe moved, Commissioner H. W. Kratzer seconded and the motion unanimously carried that the Wichita-Sedgwick County Metropolitan Area Planning Commission certify that:

1. The proposed construction of a new High Service Pump Station, by the City of Wichita, is consistent with the Comprehensive Plan in the process of development for the Wichita-Sedgwick County Metropolitan Area.
2. The project complies with the short and long-range areawide water systems plan which is currently being updated for adoption by the Planning Commission as an element of the Comprehensive Plan for the Wichita-Sedgwick County Metropolitan Area.
3. In addition, the Planning Commission recommends that the Water Department, the City Manager and the Board of City Commissioners give careful consideration to the architectural design of the pumping station and to landscaping the area to assure that the new

WICHITA—SEDGWICK COUNTY
Page 4 - August 25, 1969

facilities are aesthetically pleasing and compatible with the surrounding area and that sufficient funds be allocated for this purpose.


Robert A. Lakin, Secretary
Wichita-Sedgwick County Metro-
politan Area Planning Commission

RAL:bh

COMMENTS AND RECOMMENDATIONS
OF
CITY DEMONSTRATION AGENCY
WICHITA, KANSAS

August 22, 1969

Name City Demonstration Agency

Address 204 South Main Street, Wichita, Kansas 67202

Source of Authority for Establishment of Agency Resolution
dated June 18, 1968 by Board of City Commissioners

Grant Applicant:

Name City of Wichita, Kansas

Address 204 South Main, Wichita, Kansas 67202

Project Description:

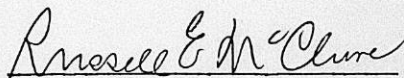
High Service Pumping Station for City of Wichita

Certification:

The project described above does () does not (X) conflict with the comprehensive plan developed or in process of development for the Model Cities Neighborhood Development Program in the Wichita Metropolitan Area.

Comments and Recommendations:

(See Attachment)



Russell E. McClure
Deputy City Manager for Urban Affairs

THE CITY OF WICHITA



OFFICE OF THE CITY MANAGER

— AREA CODE 316
CITY BUILDING — 204 S. MAIN ST.
WICHITA, KANSAS 67202
262-0611

August 22, 1969

Mr. H. Earl Rosamond
Assistant Regional Administrator
Program Coordination and Services
Department of Housing and Urban Development
819 Taylor Street
Fort Worth, Texas 76102

Dear Mr. Rosamond:

In compliance with a memorandum from the Department of Housing and Urban Development dated October 3, 1968, the City Demonstration Agency has been requested to review the proposed application being submitted by the City of Wichita for a Federal grant to aid in financing the construction of a new high service pumping station.

The review is to determine whether the project is in conformance with the Model Cities Program which is developed or in the process of development for the Wichita Metropolitan Area.

Physical planning for neighborhood development under the Model Cities Program does not specifically include such major facilities as water treatment plants and pumping stations. However, the City Demonstration Agency does recognize the need to correct pressure deficiencies and provide additional fire protection in the Model Neighborhood area.

The High Service Pumping Station is an integral part of the comprehensive water system development plan to provide this improved service.

Sincerely,

Russell E. McClure
Deputy City Manager for Urban Affairs

REM:igs

cc: Ralph Wulz, City Manager
Frank H. Carpenter, Acting City Demonstration Agency Coordinator
Robert H. Hess, Director of Water

December 16, 1969

Mr. Elmer S. Peters
Commissioner, 1st District
County of Sedgwick
Commissioner's Office
Room 320, Courthouse
Wichita, Kansas 67203

Re: City of Wichita Water
Facilities, Project No.
WS-Kans-83, Case No. DR 69-18

Dear Mr. Peters:

I am pleased to transmit additional information on the City's proposed water works improvements as requested in your letter of December 12, 1969.

The following are the answers to your questions in the numerical order listed in your letter:

1. The proposed high service pumping station will be constructed in close proximity to the existing pumping station in the Sim Park area. It is the intent to reze the old facility when the new pumping station is complete; however, the new facility must be constructed and placed in operation before the old pumping station can be demolished.
2. There will be no new water lines feeding the station. However, it will be necessary to alter and modify the existing yard piping to connect into the new pumping station. The only new water line of major proportion is the 48-inch transmission main which is presently under construction starting at the Island Pumping Station in Sim Park and extending in a northeasterly direction terminating in the vicinity of Yale and 21st Street. This is a separate project and is not related to the new high service pumping station and reservoir.

3. There will be no need to acquire property outside the City Limits. The structure will be constructed on land presently owned by the City of Wichita and occupied by the Wichita Water Department.
4. There will be no financial obligation on the County's part.
5. There will be no participation on the County's part either in money, material or labor. Where applications are made for Federal funds by governmental agencies within the County, Circular A-95 published by the Bureau of the Budget, and Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966, require that these applications be reviewed by the Metropolitan Area Planning Commission which has been designated as the Metropolitan Clearinghouse for all of Sedgwick County.
6. Wichita water is presently available to users outside the corporate limits of the City and construction of the new facility will not change this policy. In fact, the new pumping station will provide the capacity for transporting water through the City's distribution system to nearby outlying communities who would desire service from Wichita.
7. A date for beginning and completion of the project has not been established. It is the intent to begin construction as quickly as answers can be obtained from the Department of Housing and Urban Development on the application. This would likely be the early part of 1970. The project would probably be completed late in 1971.

In addition to the above answers, I am enclosing a copy of the review prepared by this department when the application was submitted in preliminary form for the Planning Commission's approval. The review was prepared under requirements of Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966. Beginning October 1, 1969, the procedures and requirements of Circular A-95 issued by the Bureau of the Budget takes precedence over all previous review requirements.

Please call me if you have any additional questions. If you would care to discuss the proposed project with Mr. Hess, Director of

Page 3 - Elmer S. Peters - December 16, 1969

Water and Water Pollution Control, I am sure this could be arranged.

Yours very truly,

James P. Looney
Community Facilities Planner
Long Range Division

JPL:bh

Attachment

cc: Ralph Wulz, City Manager
Robert H. Hess, Director, Water and Water Pollution Control



**COUNTY OF SEDGWICK
COMMISSIONERS OFFICE**

DIST. NO. 1 - ELMER S. PETERS
DIST. NO. 2 - TOM SCOTT
DIST. NO. 3 - EARL C. RUSH, CHAIRMAN
ROOM 320

COUNTY COURTHOUSE, WICHITA, KANSAS, 67203

TELEPHONE 268-7411

December 12, 1969

Mr. James P. Looney
Community Facilities Planner
Metropolitan Area Planning Department
City Building Annex
104 South Main
Wichita, Kansas 67202



Dear Sir:

I have your letter of December 5, 1969, regarding the City's intention to seek federal funds for new water facilities for the City of Wichita.

I, of course, wish to assist in every way because it sounds as though this is a worthwhile project.

I would appreciate, however, receiving more information regarding this project before blindly endorsing it. Can you please give me the answers to the following questions:

1. Where will the pumping station be located?
2. Will any new water lines feed the station, and, if so, what is their proposed route?
3. Will any property outside of the City Limits and within Sedgwick County be taken for this project, and, if so, approximately where and how much?
4. What would be the financial obligation expected of the County?
5. What would be the extent of the County's participation either in money, material, labor or planning?
6. Will the services of this facility be made available only to residents within the City Limits of Wichita, or may others share?
7. The expected beginning and completion date of the project.

If you will supply me with this information I can then more adequately lend my support to this project.

Sincerely,

Elmer S. Peters
Commissioner, First District

ESP-h

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
DEPARTMENT

AMHERST 2-0611 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

December 5, 1969

City Manager, City of Eldorado
Eldorado, Ka.

In compliance with the procedures established by Bureau of the Budget Circular A-95, this is to advise you that the City of Wichita intends to file an application for Federal funds which will be used for construction of new water facilities. For your information, facts about the project are listed below:

Project Title:

City of Wichita Water Facilities
Project No. WS-Kans-83

Description:

1. Construction of new high service pumping station
2. All electrically operated
3. Design capacity 130 mgd for short-range needs
4. Provision will be made to increase capacity to about 195 mgd by 1990 for long range needs
5. Included in project is a new clearwater storage reservoir whose design capacity will be 7.5 mgd
6. Estimated cost for total project is \$3,565,000

Benefits to be derived from this project would be assurance to the City of Wichita that pumping facilities would be reliable and adequate to serve the City's short and long-range needs. Also, this improvement would provide the capabilities to the water system for supplying urbanized areas contiguous to the City. The proposed high service pumping station operating in

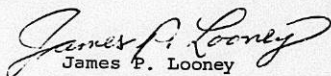
WICHITA—SEDGWICK COUNTY

Page 2 - Water Facilities - December 5, 1969

conjunction with the northeast water transmission main, which is presently under construction, will remedy the low water pressure conditions that presently exist in the Model Neighborhood area in the northeast quadrant of the City.

The City of Wichita wishes to expedite their application as much as possible; consequently, it is requested that you notify this agency within ten days whether or not you are interested in the project. Your comments will be transmitted to the Wichita-Sedgwick County Metropolitan Area Planning Commission when they review the project application.

Yours very truly,



James P. Looney
Community Facilities Planner

JPL:bh

Copies of this letter were sent to:

David H. Doty, City Manager, City of Eldorado
Earl Rush, Chairman, Sedgwick County Commission
Elmer Peters, Sedgwick County Commission
Tom Scott, Sedgwick County Commission
Russell E. McClure, Director, City Demonstration Agency
Lee Dennett, Mayor, City of Augusta
Kenneth Kitchen, Director, Urban Renewal Agency
Garland P. Ferrell, Chairman, Butler County Commission
Robert H. Hess, Director, Water and Water Pollution Control

*This application
subject to provisions of
PART I of BOB Circular
A-95*

THE CITY OF WICHITA

OFFICE OF THE MAYOR
AMHERST 2-8211 — AREA CODE 316
CITY BUILDING — 204 S. MAIN ST.
WICHITA, KANSAS 67202



November 25, 1969

Wichita-Sedgwick County
Regional Planning Commission
104 South Main
Wichita, Kansas 67202

*Case DR 69-18
WS-KANS-83*

Dear Gentlemen:

Re: City of Wichita Water
Facilities Notification
of Intent to File Appli-
cation for Federal
Assistance

The City of Wichita, Kansas, does hereby request review and approval of an application for federal assistance pursuant to Section 204 of the Demonstration Cities & Metropolitan Development Act of 1966 and Section 201 of Title IV of the Inter-Governmental Cooperation Act of 1968.

The City of Wichita has filed preliminary application for federal assistance for public works and facility type projects with the Department of Housing & Urban Development, Region Five, 819 Taylor Street, Fort Worth, Texas.

As a result of the review of the preliminary inquiry, we have received instructions to file a complete application. The project herein described has been designated WS-KANS-83, City of Wichita Water Facilities.

Comprehensive planning for the City of Wichita Water Facilities Program has determined that population growth for the City of Wichita has followed a continuous increased pattern,



ALL-AMERICA CITY

*This application
subject to provision of
PART I of BOB Circular
A-95*

THE CITY OF WICHITA 2

and water demands have followed a similar pattern. Maximum hourly water demands are expected to increase from 100.7 mgd to about 195.0 mgd by 1990. With these long range considerations and the immediate need for a reliable pumping station, the City of Wichita on May 29, 1967 entered into a contract with Black & Veatch Consulting Engineers, Kansas City, Missouri for an indepth study of Wichita's pumping station. Black & Veatch "Report On High Service Pumping" for the City of Wichita was received and filed by the Board of City Commissioners July 29, 1969. The report recommendations are as follows:

1. It is recommended that the City construct a new all electric pumping station as soon as plans, specifications, and financing can be arranged. The proposed pumping station would have an initial capacity of 130 million gallons per day to provide adequate capacity for the short range water program and provisions for installation of an additional 30 million gallons per day of pumping capacity to provide for the foreseeable future growth for the City of Wichita.
2. It is recommended that the City construct a 7.5 million gallon clear water reservoir in the vicinity of the new pumping station to provide proper balance between pumping and treatment plant rates. With this addition, the total clear water storage capacity will be 20.1 million gallons.

The proposed high service all electric pumping station will replace the City of Wichita's present pumping station which was built in 1888 and has been modified and expanded numerous times. The firm capacity of the existing station is 86.9 million gallons per day and this capacity has been exceeded on numerous occasions.

Expansion of the present pumping and storage facilities cannot be done in the same manner and pattern as previous additions if the existing site is to be utilized properly. The number of pumping units should be reduced to provide increased operation-maintenance efficiencies. Remodeling the existing pumping station and associated piping would cost almost as much as new facilities.

*This application
subject to provisions of
PART I of BOB Circular
A-95*

THE CITY OF WICHITA ³

Development of the project is consistent with first priority items recommended by Black & Veatch Consulting Engineers in the 1968 "Report On Operation And Condition Of The Wichita Water Utility, Wichita, Kansas". This project is consistent with the comprehensive plan to provide equality of service for the entire metropolitan area.

Within the northeast quadrant of the City there are 5.07 square miles that have been designated by HUD as a Model Neighborhood area. The low water pressure conditions that exist in this area during high water demands were previously described in the City's application to HUD for assistance in financing of the northeast transmission main, which was approved and designated as HUD Project WS-KANS-70. This project is now under construction. The proposed high service pumping station in conjunction with the northeast transmission main will provide improved fire protection and water service to the northeast quadrant of the City and will provide for the long range projected growth of the northeast suburban areas.

Total project cost for the high service pumping station and clear water storage reservoir is \$3,565,000.

The Board of City Commissioners, City of Wichita, has requested that the Department of Water and Water Pollution Control proceed with the application for federal assistance and has directed the Consulting Engineers to proceed with the preparations of plans and specifications for the high service pumping station and clear water storage reservoir and exercise the option for resident engineering services.

The City of Wichita expects to formally file an application with Region Five, Department of Housing and Urban Development on or about January 23, ~~1969~~ 1970

The City of Wichita will be pleased to provide any additional information concerning the proposed project as you may request.

Respectfully submitted,

Donald K. Enoch

Donald K. Enoch, Mayor

DKE:GWR:sc

cc: Ralph Wulz, City Manager
Robert H. Hess, Director of Water & Water Pollution Control

4. DEDICATION OF STREET RIGHT-OF-WAY (D-0424)

Dedicated by Eldon P. and Lelia I. Rapps and is generally on the northwest corner of Fairview and 13th Street. This dedication is given as required in L/S-0046.

ACTION: Accept the dedication and instruct the City Clerk to file with the Register of Deeds.

5. WATER FACILITIES GRANT APPLICATION WS-KANS-83

At the meeting of July 29, 1969, the City Commission approved the proposed construction of a water pumping station and directed the Department of Water and Water Pollution Control to prepare an application (WS-KANS-83) for a federal grant through the Department of Housing and Urban Development (HUD).

The application is for \$1,500,000 which is the Maximum Grant HUD for a single project.

The City's share of the project is estimated to be \$2,065,000 and will be financed by Revenue Bonds.

The water improvements would consist of an all-electric high service pumping station with an initial capacity of 130 million gallons per day and a 7.5 million gallon clear water storage reservoir. This project is recommended by the consulting engineers' "Report on High Service Pumping", and has been scheduled in the 1970-1975 Capital Improvement Program.

In order to complete the application for forwarding the following resolutions and letters must be adopted and included as part of the application.

- a. Resolution authorizing filing of an application and assurance of compliance with regulations under Title VI of the Civil Rights Act of 1964, Form HUD 41401A, and Form HUD 41901.
- b. Resolution of compliance with HUD Land Acquisition and Relocation Procedures, and Form HUD 41401-4.
- c. Resolution of assurance of availability of funds by issuance of revenue bonds.
- d. Letter to Kansas State Planning and Development Clearing House notification of intent to file application for federal grant.
- e. Letter to Wichita-Sedgwick County Regional Planning Commission notification of intent to file application for federal grant. ✓

ACTION: Adopt the Resolutions; authorize the Mayor to execute the Letters of Notification; and instruct the City Clerk to publish public notice of intent to issue revenue bonds.

*LOONEY
submit to HUD
in Jan.*

THE CITY OF WICHITA



WATER DEPARTMENT
AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN — WICHITA, KAN. 67202

August 29, 1969

Water and Sewer Facilities
Grant Program
Wichita, Kansas

Mr. Travis Wm. Miller
Assistant Regional Administrator
Metropolitan Development
Department of Housing and Urban Development
819 Taylor Street, Room 13A01
Fort Worth, Texas 76102



Dear Mr. Miller:

We are submitting, herewith, the completed Standard Form 101 preliminary application for federal assistance in financing construction of a High Service Pumping Station.

The High Service Pumping Station described in this application is essential to replace the original station which was built in 1888 and has subsequently been modified and expanded numerous times.

The existing High Service Pumping Station capacity is inadequate and projections indicate that this capacity will have to be doubled in approximately the next 20 years to be consistent with the overall development of the urban area.

Support for this statement is contained in this application in which the findings and endorsements of the Metropolitan Area Planning Commission and the consulting engineers are also presented.

The importance of this project has been recognized by the City of Wichita Board of Commissioners, the Wichita-Sedgwick County

THE CITY OF WICHITA 2

Metropolitan Area Planning Commission, and other government officials in the metropolitan area.

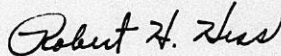
The City Demonstration Agency has reviewed the project and recognizes its importance in the future development of the Model Neighborhood Area.

The current-and-projected capital improvement program for the City of Wichita includes budgetary provisions to fund our portion of the project cost.

We are enclosing one copy of the Black & Veatch, Consulting Engineers, "Report On High Service Pumping" for your information.

Please advise if additional information is desired.

Very truly yours,



Robert H. Hess, Director
Water & Water Pollution Control

RHH:GWR:sc

Enclosure

cc: Ralph Wulz, City Manager

TABLE OF CONTENTS

- I. Standard Form 101, Application For Federal Assistance, High Service Pumping Station
 - 1. Additional Information - Item 3A
 - 2. Attachment Item 3B - Statement Of Public Interest And Necessity
- II. Planning Agency Comments And Recommendations
- III. City Demonstration Agency Comments And Recommendations



<p>APPLICATION</p> <p>FEDERAL ASSISTANCE FOR PUBLIC WORKS AND FACILITY TYPE PROJECTS</p> <p><i>(Please read the Instructions before completing this application. Submit application in original and one copy. Attach additional sheets if necessary.)</i></p>		DO NOT WRITE IN THIS AREA - FOR GOVERNMENT USE ONLY			
		IA NO.		REFERRAL	
		AGENCY	DATE RECEIVED	DATE REFERRED	TO
AGENCIES ASSUMING JURISDICTION					
AGENCY	DATE	PROJECT COMPONENT	PROJECT NO.		
APPLICANT (Exact legal name or proposed name if not incorporated) City of Wichita					
IA.	CITY OR TOWN Wichita	(County) Sedgwick	(State) Kansas	(Zip code) 67202	
IB. TYPE OF ORGANIZATION (Check appropriate box) <input type="checkbox"/> STATE GOV. AGENCY <input checked="" type="checkbox"/> LOCAL GOV. UNIT <input type="checkbox"/> NON-PROFIT ORGANIZATION <input type="checkbox"/> OTHER (Specify)					
2. LOCALITIES TO BE SERVED					
CITIES, TOWNS, OR AREAS <i>(List separately)</i>		COUNTY	POPULATION		
			1960	CURRENT (Est.)	
				TO BE SERVED BY PROJECT	
Wichita, Kansas		Sedgwick	254,698	282,525	
Metropolitan Area (SMSA)		Sedgwick-Butler	343,231	396,007	
				* 360,000	
				* 378,700	
* 1980 Population Projections					
3. DESCRIPTION AND PURPOSE OF PROPOSED PROJECT					
A. DESCRIPTION Construction of a High Service Pumping Station and Clear Water Storage Reservoir to meet the critical need for replacement of the present pumping station and to provide adequate service capabilities for the projected water demands of the metropolitan area. Additional Information - Attachment Item 3A					
B. PUBLIC INTEREST AND NECESSITY Detail Attached - Item 3B					
C. PLANNING AGENCY (County, Multi-county, Regional, etc.) <input checked="" type="checkbox"/> REVIEWED BY PLANNING AGENCY (Attach comments) <input type="checkbox"/> NOT REVIEWED BY PLANNING AGENCY (If not, explain)					
			Wichita-Sedgwick County Metropolitan Area Planning Commission		

4. METHOD OF FINANCING (In thousands of dollars)

SOURCE OF FUNDS	C O M P O N E N T S				TOTAL (5)
	W A S T E		WATER (3)	OTHER (Describe in G. below) (4)	
	TREATMENT (1)	COLLECTION (2)			
A. FEDERAL GRANT REQUESTED	\$	\$	\$ 1,627,500	\$	\$ 1,627,500
B. FEDERAL LOAN REQUESTED					
C. OTHER FEDERAL CONTRIBUTION					
D. STATE CONTRIBUTION					
E. APPLICANT CONTRIBUTION			1,935,500		1,935,500
F. ESTIMATED TOTAL PROJECT COST	\$	\$	\$ 3,563,000	\$	\$ 3,563,000
G.					

5. OTHER FEDERAL ASSISTANCE - PREVIOUS OR PENDING

NAME OF AGENCY	TYPE OF ASSISTANCE	INDEBTEDNESS OUTSTANDING, IF ANY	AMOUNT REQUESTED

The applicant represents that the data in this application are true and correct to the best of his knowledge and belief and that the filing of this application has been duly authorized by the governing body of the applicant.

EXACT LEGAL (Corporate) NAME OF APPLICANT (If unincorporated, enter proposed name)

City of Wichita
Wichita, Kansas

ATTEST (Signature of attesting officer)

Ralph C. Eberly

TITLE
Ralph C. Eberly, City Clerk

BY (Signature of authorized officer)

Donald K. Enoch

TITLE
Donald K. Enoch, Mayor

NOTE: Additional Information May Be Requested To Support This Application.
(DO NOT WRITE IN THIS SPACE - FOR GOVERNMENT USE ONLY)

DESCRIPTION AND PURPOSE OF PROPOSED PROJECT

ITEM 3A ADDITIONAL INFORMATION

The project will provide pumping and clear water storage capacity to adequately serve the present requirements as well as the projected growth requirement for the entire City. Black & Veatch, Consulting Engineers, Kansas City, Missouri have prepared a report for this project. Item description and estimated costs are as follows:

<u>Item No.</u>	<u>Description</u>	<u>Construction Cost</u>
1.	Land and Rights-of-Way	-0-
2.	Pumping Station	\$2,610,000
3.	Clear Water Storage Reservoir	<u>490,000</u>
	Subtotal Construction	\$3,100,000
	Contingency (5 per cent)	<u>155,000</u>
	Estimated Construction Cost (Grant Base)	\$3,255,000
	Engineering	155,000
	Resident Inspection	46,000
	Legal Expense	8,000
	Administrative Expenses	16,000
	Other Costs	2,000
	Government Field Expense	<u>11,000</u>
	Subtotal	\$3,493,000
	Project Contingency (2 per cent)	<u>70,000</u>
	TOTAL PROJECT COST	<u>\$3,563,000</u>

PUBLIC INTEREST AND NECESSITY

The City of Wichita's present pumping station was built in 1888 and has been modified and expanded numerous times. The latest pump was installed in 1954 and some of the pumping units are over 30 years old. The total rated capacity of this station is 118 M.G.D. but two of these pumping units are not considered reliable. The firm capacity of the existing pump station is 86.9 M.G.D., and this capacity has been exceeded on numerous occasions.

The population growth for the City of Wichita has followed a continuous increased pattern and water demands have followed a similar pattern. Maximum hour water demands are expected to increase from 100.7 M.G.D. to about 195 M.G.D. in 1990.

With these considerations and the need for a reliable pumping station, the City of Wichita on May 29, 1967 entered into a contract with Black & Veatch, Consulting Engineers of Kansas City, Missouri, for an indepth study of Wichita's pumping station. The Black & Veatch "Report On High Service Pumping" for the City of Wichita was completed on July 9, 1969 and received and filed by the City of Wichita at the Commission Meeting of July 29, 1969. The report indicated that:

- (1) Existing facilities for treating and storing water have a hydraulic capacity of 150 mgd and an optimum operating capacity of 110 mgd. The layout of the existing pumping station, the elevations of the existing pumps and the arrangement of existing suction piping make it difficult to operate this station at a sustained high rate.
- (2) Additional storage capacity of 7.5 million gallons of clear water is required to provide proper balance between pumping and treatment plant rates.
- (3) Hydraulic studies indicate that the existing suction lines have sufficient capacity for the present pumping station. Present operating difficulties are caused

by the suction lines and pumping units being installed at too high an elevation. Suction lines and pumps have to be operated under negative head conditions during peak periods of water demands.

- (4) Firm capacity of the pumping station should be between 145 and 165 mgd to meet the projected pumping rates for the next 15 to 20 years. A pumping station with a capacity of 152 mgd would be consistent with the treatment plant capacity.
- (5) Expansion of the pumping and storage facilities cannot be done in the same manner and pattern as previous additions if the existing site area is to be utilized properly. The number of pumping units should be reduced to provide increased operation-maintenance efficiencies. Remodeling the existing pumping station and associated piping would cost almost as much as new facilities.

As a result of their findings, the following recommendations were made:

- (1) It is recommended that the City construct a new electric pumping station as soon as plans, specifications and financing can be arranged. The proposed pumping station would have an initial capacity of 130 mgd and provisions for installation of an additional 30 mgd of pumping capacity.

The estimated cost for this pumping facility is \$3,000,000. This cost includes all the required facilities for the complete pumping station and other associated expenditures.

- (2) It is recommended that the City construct a 7.5 million gallon reservoir in the vicinity of the new pumping station. The estimated cost for this facility is \$560,000. The total clear water storage capacity will be 20.1 million gallons with this addition.
- (3) It is recommended that the City begin negotiations with the power company to obtain an auxiliary power supply. This auxiliary power supply should be located underground and connected directly to the station bus

in the Wichita Power Plant. Exact details concerning the operation and auxiliary power facilities should be obtained from the power company.

The City of Wichita Water Department presently serves 70,945 residential, 9,269 commercial, 178 industrial and 678 municipal customers for a total of 81,070.

The High Service Pumping Station is an important element of the comprehensive area-wide water system program and its completion will be of particular significance to the city's northeast quadrant. The low pressure conditions that exist in this area during high water demands were previously described in the city's application to HUD for assistance in the financing of the northeast transmission main now approved and designated as "HUD Project WS-KANS-70." This project is under construction and is considered as Phase I by the Department to provide adequate and reliable water service to the city.

Within the northeast quadrant of the city there are 5.07 square miles that have been designated by HUD as a Model Neighborhood Area. There are 28,658 people or 10.1% of the total city population within this Model Neighborhood Area, even though the area comprises less than 6% of the total City of Wichita land area.

Although projects of this nature are not a direct part of the Model Cities Program, the High Service Pumping Station, Phase II, of the urban area water system development program will provide reliable service and fire fighting capabilities to the northeast quadrant. Because of the congested conditions in the Model Neighborhood Area, this could be of particular importance in case of a major conflagration.

Pursuant to Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966, the application was reviewed by the Wichita-Sedgwick County Metropolitan Area Planning Commission, whose comments and recommendations are included in this application.

The design of the proposed pumping station will provide capacity to service the surrounding communities which include the cities of Andover, Garden Plain, Goddard, Haysville, Kechi, and Park City.

COMMENTS AND RECOMMENDATIONS
OF
STATE, METROPOLITAN OR REGIONAL PLANNING AGENCIES

August 25, 1969

Planning Agency:

Name Wichita-Sedgwick County Metropolitan Area Planning
Commission

Address 104 South Main, Wichita, Kansas 67202

Source of Authority for Establishment of Agency See

Attachment - Exhibit "A"

Grant Applicant:

Name City of Wichita, Kansas c/o Ralph Wulz, City Manager

Address 204 South Main, Wichita, Kansas 67202

Project Description:


Case DR 69-18
High Service Pumping Station for City of Wichita

Certification:

The project described above does (X) does not () conform
with the Comprehensive Plan developed or in the process of
development for the metropolitan area in which it is located.

Comments and Recommendations:

See Attachment - Exhibit "B"


Robert A. Lakin, Secretary
Wichita-Sedgwick County Metro-
politan Area Planning Commission

WICHITA—SEDGWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

August 25, 1969

"EXHIBIT A"

AUTHORITY FOR ESTABLISHMENT OF THE WICHITA-SEDGWICK COUNTY
METROPOLITAN AREA PLANNING COMMISSION IS BY:

Joint agreement between the City of Wichita and Sedgwick County under the laws of the State of Kansas, K.S.A. 1965 Supp. 12-716 et. seq., and

Membership of cities in the Metropolitan Area Planning Commission is authorized by a joint resolution between the Board of County Commissioners of Sedgwick and Sumner Counties, and by ordinance enacted by the Cities of Wichita, Haysville, Derby, Valley Center, Mulvane, Cheney, Andale, and Goddard.

Applicable ordinances enacted by the cities are:

City of Wichita	No. 29-610
City of Haysville	No. 238
City of Derby	No. 741
City of Valley Center	No. 413
City of Mulvane	No. 375
City of Cheney	No. 386
City of Andale	No. 68-1
City of Goddard	No. 52

The Metropolitan Area Planning Commission was certified on June 20, 1967, by the Secretary of Housing and Urban Development as the statewide review agency for Sedgwick County under Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966.

WICHITA—SEDCWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

August 25, 1969

EXHIBIT "B"

COMMENTS AND RECOMMENDATIONS

Re:
DR 69-18
High Service
Pumping Station

At their regular meeting on August 14, 1969, the Wichita-Sedgwick County Metropolitan Area Planning Commission acting in accordance with Section 204 of the Demonstration Cities and Metropolitan Act of 1966, reviewed a proposal submitted by the Wichita Water Department for a new high service pumping station. The review was to determine whether the project is in conformance with elements of the comprehensive plan which are in the process of development for the Wichita-Sedgwick County Metropolitan Area. Results of the Planning Commission's review follows:

- A. The proposed project consists of the construction of a new, all electric, High Service Pumping Station which would have an initial pumping capability of 130 million gallons per day (mgd) with provision for installing an additional 30 mgd of pumping capacity.
- B. Construction of a new underground clearwater storage reservoir having a storage capability of 7.5 million gallons plus the modification and reconstruction of all "yard" piping in the area.
- D. The following features and facts relate to the High Service Pumping Station:
 1. The substructure will be constructed of reinforced concrete.

2. The super structure will be of masonry construction, architecturally designed to be aesthetically pleasing and compatible with the surrounding area.
 3. The noise level will be less than that of the existing pumping station.
 4. There will be no emission of polluting substances into the atmosphere.
 5. The station will not be a traffic generator.
 6. It will be constructed in an area of "like-land-use". The only building in the vicinity of the proposed pump station is the Wichita Art Museum which is about 1000 feet or more to the north.
- E. The Utility Facility Plan Report refers to the obsolescence of the pumping equipment in the present Island Pump Station and the possibility that prolonged use of old equipment may not provide reliable service and operating economy. Also, the Report recommends that the capacity of the Island Pumping Station be increased when the demand justifies such action.
- F. The "Water Supply and Distribution Plan" which is in the process of being updated, contains the recommendation that, "the existing Island Pumping Station be reconstructed and modernized so that adequate pumping capacity, reliability and economy of operation will be available to serve Wichita and the surrounding urban areas". The consulting engineers have found that reconstruction of the existing facility would be nearly as expensive as building an entirely new plant; consequently, they recommend construction of a completely new High Service Pumping Station.
- G. Upon completion of the new pumping station, the old facility will be razed. Consequently, the new station does not duplicate any like facility but instead replaces the old obsolete structure and equipment, portions of which have been in service since 1888.

- H. The Utility Facilities Plan Report recommends that additional clearwater storage capacity be provided when the demand justifies.

CONCLUSION

On the basis of the above facts, the Planning Commission concluded that: (1) the project is consistent with Comprehensive Planning for the Wichita-Sedgwick County Metropolitan Area; (2) that construction of the facility will fulfill the areawide planning criteria for providing a unified water system capable of providing a water supply to the several urbanized areas in the vicinity of Wichita; (3) construction of the project would not conflict with nor duplicate any other like facility in the Metropolitan Area and (4) special care must be given to the architectural design of the High Service Pumping Station and to landscaping the area to assure that the new facilities are aesthetically pleasing and compatible with the surrounding park area.

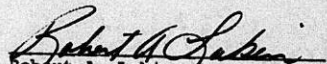
CERTIFICATION

On the basis of the above facts and conclusions, Commissioner Hap D. Bledsoe moved, Commissioner H. W. Kratzer seconded and the motion unanimously carried that the Wichita-Sedgwick County Metropolitan Area Planning Commission certify that:

1. The proposed construction of a new High Service Pump Station, by the City of Wichita, is consistent with the Comprehensive Plan in the process of development for the Wichita-Sedgwick County Metropolitan Area.
2. The project complies with the short and long-range areawide water systems plan which is currently being updated for adoption by the Planning Commission as an element of the Comprehensive Plan for the Wichita-Sedgwick County Metropolitan Area.
3. In addition, the Planning Commission recommends that the Water Department, the City Manager and the Board of City Commissioners give careful consideration to the architectural design of the pumping station and to landscaping the area to assure that the new

Page 4 - August 25, 1969

facilities are aesthetically pleasing and compatible with the surrounding area and that sufficient funds be allocated for this purpose.


Robert A. Lakin, Secretary
Wichita-Sedgwick County Metro-
politan Area Planning Commission

RAL:bb

WICHITA—SEDCWICK COUNTY



METROPOLITAN AREA PLANNING
COMMISSION

AMHERST 2-8211 — AREA CODE 316
CITY BUILDING ANNEX
104 S. MAIN ST.
WICHITA, KANSAS 67202

August 25, 1969

Ralph Wulz, City Manager
City of Wichita
204 South Main
Wichita, Kansas 67202

Dear Mr. Wulz:

The Wichita Water Department, acting for the City of Wichita, requested that the Metropolitan Area Planning Commission review their application for a Federal grant which would be used toward financing the construction of a new High Service Pumping Station which would replace the existing obsolete facility. Pursuant to Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966, the application was reviewed by the Planning Commission at their regular meeting on Thursday, August 14, 1969. Also, in compliance with the instructions from the Department of Housing and Urban Development, the application was presented to the City Demonstration Agency who reviewed it for conformance with the Model Cities Planning Program. The comments of the Metropolitan Area Planning Commission and the City Demonstration Agency are attached herewith for inclusion in the application.

Yours very truly,

Robert A. Lakin,
Secretary

RAL:JPL:hh

Enclosures

cc: Robert Hess, Director of Water and Water Pollution Control.

III

COMMENTS AND RECOMMENDATIONS
OF
CITY DEMONSTRATION AGENCY
WICHITA, KANSAS

August 22, 1969

Name City Demonstration Agency

Address 204 South Main Street, Wichita, Kansas 67202

Source of Authority for Establishment of Agency Resolution
dated June 18, 1968 by Board of City Commissioners

Grant Applicant:

Name City of Wichita, Kansas

Address 204 South Main, Wichita, Kansas 67202

Project Description:

High Service Pumping Station for City of Wichita

Certification:

The project described above does () does not (X) conflict with the comprehensive plan developed or in process of development for the Model Cities Neighborhood Development Program in the Wichita Metropolitan Area.

Comments and Recommendations:

(See Attachment)

Russell E. McClure

Russell E. McClure
Deputy City Manager for Urban Affairs

THE CITY OF WICHITA



OFFICE OF THE CITY MANAGER

AREA CODE 316
CITY BUILDING — 204 S. MAIN ST.
WICHITA, KANSAS 67202
262-0611

August 22, 1969

Mr. H. Earl Rosamond,
Assistant Regional Administrator
Program Coordination and Services
Department of Housing and Urban Development
819 Taylor Street
Fort Worth, Texas 76102

Dear Mr. Rosamond:

In compliance with a memorandum from the Department of Housing and Urban Development dated October 3, 1968, the City Demonstration Agency has been requested to review the proposed application being submitted by the City of Wichita for a Federal grant to aid in financing the construction of a new high service pumping station.

The review is to determine whether the project is in conformance with the Model Cities Program which is developed or in the process of development for the Wichita Metropolitan Area.

Physical planning for Neighborhood Development under the Model Cities Program does not include such major facilities as water treatment plants and pumping stations. Consequently, this agency certifies that the project does not conflict with nor does it duplicate any facilities planned within the Model Cities Program for the Wichita Metropolitan Area.

Sincerely,

Russell E. McClure
Deputy City Manager for Urban Affairs

REM:gs

cc: Ralph Wulz, City Manager

Frank H. Carpenter, Acting City Demonstration Agency Coordinator
Robert H. Hess, Director of Water

<p>APPLICATION</p> <p>FEDERAL ASSISTANCE FOR PUBLIC WORKS AND FACILITY TYPE PROJECTS</p> <p><i>(Please read the Instructions before completing this application. Submit application in original and one copy. Attach additional sheets if necessary.)</i></p>	DO NOT WRITE IN THIS AREA - FOR GOVERNMENT USE ONLY			
	1A NO.	R E F E R R A L		
	AGENCY	DATE RECEIVED	DATE REFERRED	TO
AGENCIES ASSUMING JURISDICTION				
AGENCY	DATE	PROJECT COMPONENT	PROJECT NO.	
<p>APPLICANT (Exact legal name or proposed name if not incorporated) 1A. <u>City of Wichita</u></p>				
CITY OR TOWN	(County)	(State)	(Zip code)	
<u>Wichita</u>	<u>Sedgwick</u>	<u>Kansas</u>	<u>67202</u>	
<p>1B. TYPE OF ORGANIZATION (Check appropriate box)</p> <p> <input type="checkbox"/> STATE GOV. AGENCY <input checked="" type="checkbox"/> LOCAL GOV. UNIT <input type="checkbox"/> NON-PROFIT ORGANIZATION <input type="checkbox"/> OTHER (Specify) </p>				
2. LOCALITIES TO BE SERVED				
CITIES, TOWNS, OR AREAS <i>(List separately)</i>	COUNTY	P O P U L A T I O N		
		1960	CURRENT (Est.)	
<u>Wichita, Kansas</u>	<u>Sedgwick</u>	<u>254,698</u>	<u>282,525</u>	
<u>Metropolitan Area (SnsA)</u>	<u>Sedgwick-Butler</u>	<u>343,231</u>	<u>396,007</u>	
* 1980 Population Projections				
3. DESCRIPTION AND PURPOSE OF PROPOSED PROJECT				
<p>A. DESCRIPTION</p> <p>Construction of a High Service Pumping Station and Clear Water Storage Reservoir to meet the critical need for replacement of the present pumping station and to provide adequate service capabilities for the projected water demands of the metropolitan area.</p> <p>Additional Information - Attachment Item 3A</p>				
<p>B. PUBLIC INTEREST AND NECESSITY</p> <p>Detail Attached - Item 3B</p>				
<p>C. PLANNING AGENCY (County, Multi-county, Regional, etc.)</p> <p style="text-align: right;">Wichita-Sedgwick County Metropolitan Area Planning Commission</p> <p> <input checked="" type="checkbox"/> REVIEWED BY PLANNING AGENCY (Attach comments) <input type="checkbox"/> NOT REVIEWED BY PLANNING AGENCY (If not, explain) </p>				

METHOD OF FINANCING (In thousands of dollars)

SOURCE OF FUNDS	C O M P O N E N T S				TOTAL
	W A S T E		WATER	OTHER (Describe in G. below)	
	TREATMENT (1)	COLLECTION (2)			
A. FEDERAL GRANT REQUESTED	\$	\$	\$ 1,627,500	\$	\$ 1,627,500
B. FEDERAL LOAN REQUESTED					
C. OTHER FEDERAL CONTRIBUTION					
D. STATE CONTRIBUTION					
E. APPLICANT CONTRIBUTION			1,935,500		1,935,500
F. ESTIMATED TOTAL PROJECT COST	\$	\$	\$ 3,563,000	\$	\$ 3,563,000

G.

5. OTHER FEDERAL ASSISTANCE - PREVIOUS OR PENDING

NAME OF AGENCY	TYPE OF ASSISTANCE	INDEBTEDNESS OUTSTANDING, IF ANY	AMOUNT REQUESTED

The applicant represents that the data in this application are true and correct to the best of his knowledge and belief and that the filing of this application has been duly authorized by the governing body of the applicant.

EXACT LEGAL (Corporate) NAME OF APPLICANT (If unincorporated, enter proposed name)
 CITY OF WICHITA
 WICHITA, KANSAS

ATTEST (Signature of attesting officer)	BY (Signature of authorized officer)
Ralph C. Eberly, City Clerk	Donald K. Enoch, Mayor

NOTE: Additional Information May Be Requested To Support This Application.
 (DO NOT WRITE IN THIS SPACE - FOR GOVERNMENT USE ONLY)

DESCRIPTION AND PURPOSE OF PROPOSED PROJECT

ITEM 3A ADDITIONAL INFORMATION

The project will provide pumping and clear water storage capacity to adequately serve the present requirements as well as the projected growth requirement for the entire City. Black & Veatch, Consulting Engineers, Kansas City, Missouri have prepared a report for this project. Item description and estimated costs are as follows:

<u>Item No.</u>	<u>Description</u>	<u>Construction Cost</u>
1.	Land and Rights-of-Way	-0-
2.	Pumping Station	\$2,610,000
3.	Clear Water Storage Reservoir	<u>490,000</u>
Subtotal Construction		\$3,100,000
Contingency (5 per cent)		<u>155,000</u>
Estimated Construction Cost (Grant Base)		\$3,255,000
Engineering		155,000
Resident Inspection		46,000
Legal Expense		8,000
Administrative Expenses		16,000
Other Costs		2,000
Government Field Expense		<u>11,000</u>
Subtotal		\$3,493,000
Project Contingency (2 per cent)		<u>70,000</u>
TOTAL PROJECT COST		\$3,563,000

Attachment 3B to
Standard Form 101
City of Wichita, Kansas

PUBLIC INTEREST AND NECESSITY

The City of Wichita's present pumping station was built in 1888 and has been modified and expanded numerous times. The latest pump was installed in 1954 and some of the pumping units are over 30 years old. The total rated capacity of this station is 118 M.G.D. but two of these pumping units are not considered reliable. The firm capacity of the existing pump station is 86.9 M.G.D., and this capacity has been exceeded on numerous occasions.

The population growth for the City of Wichita has followed a continuous increased pattern and water demands have followed a similar pattern. Maximum hour water demands are expected to increase from 100.7 M.G.D. to about 195 M.G.D. in 1990.

With these considerations and the need for a reliable pumping station, the City of Wichita on May 29, 1967 entered into a contract with Black & Veatch, Consulting Engineers of Kansas City, Missouri, for an indepth study of Wichita's pumping station. The Black & Veatch "Report On High Service Pumping" for the City of Wichita was completed on July 9, 1969 and received and filed by the City of Wichita at the Commission Meeting of

July 29, 1969. The report indicated that:

- (1) Existing facilities for treating and storing water have a hydraulic capacity of 150 mgd and an optimum operating capacity of 110 mgd. The layout of the existing pumping station, the elevations of the existing pumps and the arrangement of existing suction piping make it difficult to operate this station at a sustained high rate.
- (2) Additional storage capacity of 7.5 million gallons of clear water is required to provide proper balance between pumping and treatment plant rates.
- (3) Hydraulic studies indicate that the existing suction lines have sufficient capacity for the present pumping station. Present operating difficulties are caused by the suction lines and pumping units being installed at too high an elevation. Suction lines and pumps have to be operated under negative head conditions during peak periods of water demands.
- (4) Firm capacity of the pumping station should be between 145 and 165 mgd to meet the projected pumping rates for the next 15 to 20 years. A pumping station with a capacity of 152 mgd would be consistent with the treatment plant capacity.
- (5) Expansion of the pumping and storage facilities cannot

be done in the same manner and pattern as previous additions if the existing site area is to be utilized properly. The number of pumping units should be reduced to provide increased operation-maintenance efficiencies. Remodeling the existing pumping station and associated piping would cost almost as much as new facilities.

As a result of their findings, the following recommendations were made:

- (1) It is recommended that the City construct a new electric pumping station as soon as plans, specifications and financing can be arranged. The proposed pumping station would have an initial capacity of 130 mgd and provisions for installation of an additional 30 mgd of pumping capacity.

The estimated cost for this pumping facility is \$3,000,000. This cost includes all the required facilities for the complete pumping station and other associated expenditures.

- (2) It is recommended that the City construct a 7.5 million gallon reservoir in the vicinity of the new pumping station. The estimated cost for this facility is \$560,000. The total clear water storage capacity will be 20.1 million gallons with this addition.
- (3) It is recommended that the City begin negotiations with the power company to obtain an auxiliary power supply. This auxiliary power supply should be located underground and connected directly to the station bus in the Wichita Power Plant. Exact details concerning the operation and auxiliary power facilities should be obtained from the power company.

The City of Wichita Water Department presently serves 70,945 residential, 9,269 commercial, 178 industrial and 678 municipal customers for a total of 81,070.

The Wichita-Sedgwick County Metropolitan Area Planning Commission concurs that the components of this project are in full conformance to existing and proposed comprehensive plans for the metropolitan area.

The design of the proposed pumping station will provide capacity to serve the surrounding communities which include the cities of Andover, Garden Plain, Goddard, Haysville, Kechi, and Park City.

August 26, 1969

Robert H. Hess, Director of Water

James P. Looney, Community Facilities Planner
Long Range Planning Division

Review of Application for High Service Pumping Station

In accordance with procedures prescribed by the Department of Housing and Urban Development (HUD), the application for a Federal grant to assist in financing construction of the new High Service Pumping Station for the City of Wichita, has been reviewed by the Metropolitan Area Planning Commission and the City Demonstration Agency.

The original and two copies of these reviews are being transmitted to you for inclusion in the application that you send to HUD. Although the transmittal letter is addressed to the City Manager, we are sending him a copy of the documents since the original must be included with the application.

JPL:eh

WICHITA-SEDGWICK COUNTY
METROPOLITAN AREA PLANNING COMMISSION

AGENDA

AUGUST 14, 1969

The regular meeting of the Wichita-Sedgwick County Metropolitan Area Planning Commission will be held on Thursday, August 14, 1969, at 1:45 p.m. in Room 401 City Building Annex, 104 South Main Street, Wichita, Kansas, at which time the following items will be considered.

1. Invocation by Rev. Harold D. Fleshman, Linwood Church of the Nazarene.

2. Approval of Minutes of June 12, 1969, June 26, 1969, and July 10, 1969.

3. DR 69-16 - Public hearing for consideration of an amendment to the City Zoning Ordinance regarding mobile homes. (Memo enclosed to Planning Commissioners.)

4. Presentation by Langston and Kitch of their report on systems design for a property oriented information system. (Copy of report and memo enclosed to Planning Commissioners.)

5. R 69-1 - Consideration of Center City Study, Phase 1 Report, July 1969, Land Use Inventory. (Memo enclosed to Planning Commissioners. Copies of the Report furnished to Planning Commissioners previously.)

6. DR 69-18 - Request by the Water Department of the City of Wichita for a #204 review of a new High Service Pumping Station and a 7.5 million gallon storage reservoir for the Wichita Water System (Memo enclosed to Planning Commissioners.)

APPROVED
8-14-69 J.R.

RE: AGENDA ITEM NO. 6

WICHITA-SEDGWICK COUNTY

DATE
August 7, 1969

METROPOLITAN AREA PLANNING DEPARTMENT

TO Wichita-Sedgwick County Metropolitan Area
Planning Commission
FROM James P. Looney, Community Facilities Planner
Long Range Planning Division
SUBJECT Proposed High Service Pumping Station - City of Wichita



A report on the need for a "High Service Pumping Station" for the City of Wichita was received from Robert H. Hess, Director of Water. He requested (see attached memo) that the proposed new "High Service Pumping Station project" be reviewed under Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966. This review is to determine whether the project is in conformance with elements of the Comprehensive Plan which are in the process of development for the Wichita-Sedgwick County Metropolitan Area. Design criteria and engineering detail performed by the consulting engineer were not a part of the review as they were not considered a responsibility of the planning agency. Results of the review follow:

- A. The proposed project consists of the construction of a new, all electric, High Service Pumping Station which would have an initial pumping capability of 130 million gallons per day (mgd) with provision for installing an additional 30 mgd of pumping capacity.
- B. Construction of a new underground clearwater storage reservoir having a storage capability of 7.5 million gallons plus the modification and reconstruction of all "yard" piping in the area.
- C. Estimated total cost of the project is \$3,560,000. An application for a Federal grant will be submitted to the Department of Housing and Urban Development (HUD) for approximately 50% of the estimated cost.
- D. The following features and facts relate to the High Service Pumping Station:
 1. The substructure will be constructed of reinforced concrete.

2. The super structure will be of masonry construction, architecturally designed to be aesthetically pleasing and compatible with the surrounding area.
3. The noise level will be less than that of the existing pumping station.
4. There will be no emission of polluting substances into the atmosphere.
5. The station will not be a traffic generator.
6. It will be constructed in an area of "like-landuse". The only building in the vicinity of the proposed pump station is the Wichita Art Museum which is about 1000 feet or more to the north.
7. The clearwater storage reservoir will be built of reinforced concrete, completely below ground; consequently, it will not affect the neighborhood adversely in any way.

E. The Utility Facility Plan Report refers to the obsolescence of the pumping equipment in the present Island Pump Station and the possibility that prolonged use of old equipment may not provide reliable service and operating economy. (1) Also, the Report recommends that the capacity of the Island Pumping Station be increased when the demand justifies such action. (2)

F. The "Water Supply and Distribution Plan" which is in the process of being updated, contains the recommendation that, "the existing Island Pumping Station be reconstructed and modernized so that adequate pumping capacity, reliability and economy of operation will be available to serve Wichita and the surrounding urban areas". The consulting engineers have found that reconstruction of the existing facility would be nearly as expensive as building an entirely new plant; consequently, they recommend construction of a completely new High Service Pumping Station.

(1) Utility Facilities Plant Report, Wichita-Sedgwick County Metropolitan Area Planning Department, August 1965, pp. XIV, p. 44.

(2) Ibid. p. XX.

- G. Upon completion of the new pumping station, the old facility will be razed. Consequently, the new station does not duplicate any like facility but instead replaces the old obsolete structure and equipment, portions of which have been in service since 1888.
- H. The Utility Facilities Plan Report recommends that additional clearwater storage capacity be provided when the demand justifies. (3)

CONCLUSION

On the basis of the above facts, it is concluded that: (1) the project is consistent with Comprehensive Planning for the Wichita-Sedgwick County Metropolitan Area; (2) that construction of the facility will fulfill the areawide planning criteria for providing a unified water system capable of providing a water supply to the several urbanized areas in the vicinity of Wichita; (3) construction of the project would not conflict with nor duplicate any other like facility in the Metropolitan Area and (4) special care must be given to the architectural design of the High Service Pumping Station and to landscaping the area to assure that the new facilities are aesthetically pleasing and compatible with the surrounding park area.

RECOMMENDATION

On the basis of the above facts and conclusions, it is recommended that the Wichita-Sedgwick County Metropolitan Area Planning Commission certify that:

1. The proposed construction of a new High Service Pump Station, by the City of Wichita, is consistent with the Comprehensive Plan in the process of development for the Wichita-Sedgwick County Metropolitan Area.
2. The project complies with the short and long-range areawide water systems plan which is currently being updated for adoption by the Planning Commission as an element of the Comprehensive Plan for the Wichita-Sedgwick County Metropolitan Area.

(3) Ibid, p. XX

3. In addition, the Planning Commission recommends that the Water Department, the City Manager and the Board of City Commissioners give careful consideration to the architectural design of the pumping station and to landscaping the area to assure that the new facilities are aesthetically pleasing and compatible with the surrounding area and that sufficient funds be allocated for this purpose.

APPROVED BY:

Robert A. Lakin

Robert A. Lakin
Assistant Planning Director

JPL:bh

Attachment

THE CITY OF WICHITA
OFFICE OF WATER DEPARTMENT

DATE July 31, 1969



TO Robert A. Lakin, Assistant Director of Planning
FROM Robert H. Hess, Director of Water

SUBJECT Federal Funds

On Tuesday, July 29, the Board of City Commissioners approved the report entitled, "Report on High Service Pumping - Wichita, Kansas" by Black & Veatch, and "Report on Water Treatment Plant Waste Disposal - Wichita, Kansas" by Black & Veatch, and instructed the City Manager to proceed with preparing an application for a federal grant on both projects.

The City Manager was also instructed to proceed with steps to negotiate and acquire the site necessary as a part of the Water Treatment Plant waste disposal. The site under consideration is a 27 acre borrow site west of, and adjacent to the I-235 highway approximately two blocks north of Central Avenue.

We would appreciate it if you would review the reports in accordance with Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966.

We would like to file our application with HUD as soon as possible.

Hess
Robert H. Hess
Director of Water

RHH:bg

cc: Jim Looney, Community Facilities Planner ✓
John D. Wynkoop, Operations Chief Engineer
Gary Richert, Administrative Assistant



WICHITA-SEDGWICK COUNTY
RE: AGENDA ITEM NO. 60

DATE
August 7, 1969

METROPOLITAN AREA PLANNING DEPARTMENT

TO Wichita-Sedgwick County Metropolitan Area
Planning Commission
FROM James P. Looney, Community Facilities Planning
Long Range Planning Division
SUBJECT Proposed High Service Pumping Station - City of Wichita



A report on the need for a "High Service Pumping Station" for the City of Wichita was received from Robert H. Hess, Director of Water. He requested (see attached memo) that the proposed new "High Service Pumping Station project" be reviewed under Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966. This review is to determine whether the project is in conformance with elements of the Comprehensive Plan which are in the process of development for the Wichita-Sedgwick County Metropolitan Area. Design criteria and engineering detail performed by the consulting engineer were not a part of the review as they were not considered a responsibility of the planning agency. Results of the review follow:

- A. The proposed project consists of the construction of a new, all electric, High Service Pumping Station which would have an initial pumping capability of 130 million gallons per day (mgd) with provision for installing an additional 30 mgd of pumping capacity.
- B. Construction of a new underground clearwater storage reservoir having a storage capability of 7.5 million gallons plus the modification and reconstruction of all "yard" piping in the area.
- C. Estimated total cost of the project is \$3,560,000. An application for a Federal grant will be submitted to the Department of Housing and Urban Development (HUD) for approximately 50% of the estimated cost.
- D. The following features and facts relate to the High Service Pumping Station:
 1. The substructure will be constructed of reinforced concrete.

2. The super structure will be of masonry construction, architecturally designed to be aesthetically pleasing and compatible with the surrounding area.
 3. The noise level will be less than that of the existing pumping station.
 4. There will be no emission of polluting substances into the atmosphere.
 5. The station will not be a traffic generator.
 6. It will be constructed in an area of "like-landuse". The only building in the vicinity of the proposed pump station is the Wichita Art Museum which is about 1000 feet or more to the north.
 7. The clearwater storage reservoir will be built of reinforced concrete, completely below ground; consequently, it will not affect the neighborhood adversely in any way.
- E. The Utility Facility Plan Report refers to the obsolescence of the pumping equipment in the present Island Pump Station and the possibility that prolonged use of old equipment may not provide reliable service and operating economy. (1) Also, the Report recommends that the capacity of the Island Pumping Station be increased when the demand justifies such action. (2)
- F. The "Water Supply and Distribution Plan" which is in the process of being updated, contains the recommendation that, "the existing Island Pumping Station be reconstructed and modernized so that adequate pumping capacity, reliability and economy of operation will be available to serve Wichita and the surrounding urban areas". The consulting engineers have found that reconstruction of the existing facility would be nearly as expensive as building an entirely new plant; consequently, they recommend construction of a completely new High Service Pumping Station.

(1) Utility Facilities Plant Report, Wichita-Sedgwick County Metropolitan Area Planning Department, August 1965, pp. XIV, p. 44.

(2) Ibid. p. XX.

- G. Upon completion of the new pumping station, the old facility will be razed. Consequently, the new station does not duplicate any like facility but instead replaces the old obsolete structure and equipment, portions of which have been in service since 1888.
- H. The Utility Facilities Plan Report recommends that additional clearwater storage capacity be provided when the demand justifies. (3)

CONCLUSION

On the basis of the above facts, it is concluded that: (1) the project is consistent with Comprehensive Planning for the Wichita-Sedgwick County Metropolitan Area; (2) that construction of the facility will fulfill the areawide planning criteria for providing a unified water system capable of providing a water supply to the several urbanized areas in the vicinity of Wichita; (3) construction of the project would not conflict with nor duplicate any other like facility in the Metropolitan Area and (4) special care must be given to the architectural design of the High Service Pumping Station and to landscaping the area to assure that the new facilities are aesthetically pleasing and compatible with the surrounding park area.

RECOMMENDATION

On the basis of the above facts and conclusions, it is recommended that the Wichita-Sedgwick County Metropolitan Area Planning Commission certify that:

1. The proposed construction of a new High Service Pump Station, by the City of Wichita, is consistent with the Comprehensive Plan in the process of development for the Wichita-Sedgwick County Metropolitan Area.
2. The project complies with the short and long-range areawide water systems plan which is currently being updated for adoption by the Planning Commission as an element of the Comprehensive Plan for the Wichita-Sedgwick County Metropolitan Area.

(3) Ibid, p. XX

3. In addition, the Planning Commission recommends that the Water Department, the City Manager and the Board of City Commissioners give careful consideration to the architectural design of the pumping station and to landscaping the area to assure that the new facilities are aesthetically pleasing and compatible with the surrounding area and that sufficient funds be allocated for this purpose.

APPROVED BY:

Robert A. Lakin

Robert A. Lakin
Assistant Planning Director

JPL:bh

Attachment

THE CITY OF WICHITA
OFFICE OF WATER DEPARTMENT

DATE August 5, 1969

TO James P. Looney, Community Facilities Planner
Long Range Planning Division
FROM Robert H. Hess, Director of Water

THE
ROAD TO
SAFETY



SUBJECT Proposed High Service Pumping
Station - City of Wichita

We have reviewed your memorandum to the Wichita-Sedgwick County Metropolitan Area Planning Commission and commend you for summarizing the High Service Pumping Station Report.

We would suggest that the last sentence of Section G be changed to read, ". . . replaced the old obsolete structure, portions of which have been in service since 1888".

It is a fine summary and we hope that Robert A. Lakin will concur in our opinion.

RHess
Robert H. Hess
Director of Water

RHH:sc



WICHITA-SEDGWICK COUNTY

DATE
August 7, 1969

METROPOLITAN AREA PLANNING DEPARTMENT



TO Wichita-Sedgwick County Metropolitan Area
Planning Commission
FROM James P. Looney, Community Facilities Planner
Long Range Planning Division
SUBJECT Proposed High Service Pumping Station - City of Wichita

A report on the need for a "High Service Pumping Station" for the City of Wichita was received from Robert H. Hess, Director of Water. He requested (see attached memo) that the proposed new "High Service Pumping Station project" be reviewed under Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966. This review is to determine whether the project is in conformance with elements of the Comprehensive Plan which are in the process of development for the Wichita-Sedgwick County Metropolitan Area. Design criteria and engineering detail performed by the consulting engineer were not a part of the review as they were not considered a responsibility of the planning agency. Results of the review follow:

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- B. Construction of a new underground clearwater storage reservoir having a storage capability of 7.5 million gallons plus the modification and reconstruction of all "yard" piping in the area.
- C. Estimated total cost of the project is \$3,560,000. An application for a Federal grant will be submitted to the Department of Housing and Urban Development (HUD) for approximately 50% of the estimated cost.
- D. The following features and facts relate to the High Service Pumping Station:
 1. The substructure will be constructed of reinforced concrete.

2. The super structure will be of masonry construction, architecturally designed to be aesthetically pleasing and compatible with the surrounding area.
 3. The noise level will be less than that of the existing pumping station.
 4. There will be no emission of polluting substances into the atmosphere.
 5. The station will not be a traffic generator.
 6. It will be constructed in an area of "like-landuse". The only building in the vicinity of the proposed pump station is the Wichita Art Museum which is about 1000 feet or more to the north.
 7. The clearwater storage reservoir will be built of reinforced concrete, completely below ground; consequently, it will not affect the neighborhood adversely in any way.
- E. The Utility Facility Plan Report refers to the obsolescence of the pumping equipment in the present Island Pump Station and the possibility that prolonged use of old equipment may not provide reliable service and operating economy. (1) Also, the Report recommends that the capacity of the Island Pumping Station be increased when the demand justifies such action. (2)
- F. The "Water Supply and Distribution Plan" which is in the process of being updated, contains the recommendation that, "the existing Island Pumping Station be reconstructed and modernized so that adequate pumping capacity, reliability and economy of operation will be available to serve Wichita and the surrounding urban areas". The consulting engineers have found that reconstruction of the existing facility would be nearly as expensive as building an entirely new plant; consequently, they recommend construction of a completely new High Service Pumping Station.

(1) Utility Facilities Plant Report, Wichita-Sedgwick County Metropolitan Area Planning Department, August 1965, pp. XIV, p. 44.

(2) Ibid. p. XX.

- G. Upon completion of the new pumping station, the old facility will be razed. Consequently, the new station does not duplicate any like facility but instead replaces the old obsolete structure and equipment, portions of which have been in service since 1888.
- H. The Utility Facilities Plan Report recommends that additional clearwater storage capacity be provided when the demand justifies. (3)

CONCLUSION

On the basis of the above facts, it is concluded that:

- (1) the project is consistent with Comprehensive Planning for the Wichita-Sedgwick County Metropolitan Area;
- (2) that construction of the facility will fulfill the areawide planning criteria for providing a unified water system capable of providing a water supply to the several urbanized areas in the vicinity of Wichita;
- (3) construction of the project would not conflict with nor duplicate any other like facility in the Metropolitan Area and
- (4) special care must be given to the architectural design of the High Service Pumping Station and to landscaping the area to assure that the new facilities are aesthetically pleasing and compatible with the surrounding park area.

RECOMMENDATION

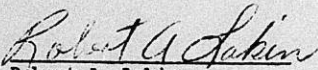
On the basis of the above facts and conclusions, it is recommended that the Wichita-Sedgwick County Metropolitan Area Planning Commission certify that:

1. The proposed construction of a new High Service Pump Station, by the City of Wichita, is consistent with the Comprehensive Plan in the process of development for the Wichita-Sedgwick County Metropolitan Area.
2. The project complies with the short and long-range areawide water systems plan which is currently being updated for adoption by the Planning Commission as an element of the Comprehensive Plan for the Wichita-Sedgwick County Metropolitan Area.

(3) Ibid, p. XX

3. In addition, the Planning Commission recommends that the Water Department, the City Manager and the Board of City Commissioners give careful consideration to the architectural design of the pumping station and to landscaping the area to assure that the new facilities are aesthetically pleasing and compatible with the surrounding area and that sufficient funds be allocated for this purpose.

APPROVED BY:



Robert A. Lakin
Assistant Planning Director

JPL:bh

Attachment

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WATER AND SEWER FACILITIES GRANT PROGRAM

FOR GOVERNMENT USE ONLY

Project No. _____

SUPPLEMENT NO. 1, ENGINEERING DATA

I. ENGINEER'S REPORT

Attach a copy of the Engineer's Report containing the engineering data as required in "Instructions for Completing Application for Grant Assistance" (Form HUD-41402).

II. ENGINEER

Has the applicant entered into an agreement with the Engineer? Yes No. If yes, attach one copy of agreement.

Engineer's Name Black & Veatch
Address P. O. Box 8405, Kansas City, Missouri Zip Code 64114
License Number and State No. 3278 Phone Number 816 EM. 3-1402

III. ESTIMATED PROJECT COST

1. Land and Rights-of-Way		\$ -0-
2. Construction (High Service Pumping Facilities)		3,100,000
3. Contingency (5% of 1 and 2)		155,000
4. Estimated Grant Base (line 1 plus 2 and 3)		\$ 3,255,000
50% a. Adjusted grant base (see Instructions)		\$ 1,627,500
5. Estimated Grant (line 5a plus 5b)		\$ 1,627,500
a. Project (50% of line 4 or 4a)	\$ 1,627,500	-0-
b. Relocation payments (see Instructions)		308,000
6. Other project costs		\$ -0-
a. Ineligible facilities		-0-
(1) Land and construction	\$ -0-	-0-
(2) Contingency (5% of 6.a.1)		-0-
b. Engineering services ^{1/}		\$ 201,000
(1) Basic fee	\$ 155,000	
(2) Resident inspection	46,000	
(3) Other	-0-	
c. Legal expenses		8,000
d. Administrative expenses		16,000
e. Capitalized interest		-0-
(1) During construction	\$ -0-	-0-
(2) During development		-0-
f. Other equipment, supplies and materials		2,000
g. Other costs		11,000
h. Government field expense		70,000
i. Project contingency (2% of line 4 plus 6a-6h)		\$ 3,563,000
7. Total project cost (sum of lines 4, 5b, and 6)		

^{1/} A Federal advance, \$ -0-, was obtained under Project No. None to assist in the engineering planning of this project.

IV. CONSTRUCTION TIME SCHEDULE

- Estimated time required after execution of grant agreement to start construction is 6 months.
- Estimated construction period is 18 months.

V. APPROVAL AUTHORITIES

(List below and attach letters of comment, clearance or approval from all local, state, and interstate agencies having authority over design and construction of project.)

- Kansas State Department of Health
- _____
- _____
- _____
- _____

THE CITY OF WICHITA
OFFICE OF WATER DEPARTMENT

DATE July 31, 1969



TO Robert A. Lakin, Assistant Director of Planning
FROM Robert H. Hess, Director of Water

SUBJECT Federal Funds

On Tuesday, July 29, the Board of City Commissioners approved the report entitled, "Report on High Service Pumping - Wichita, Kansas" by Black & Veatch, and "Report on Water Treatment Plant Waste Disposal - Wichita, Kansas" by Black & Veatch, and instructed the City Manager to proceed with preparing an application for a federal grant on both projects.

The City Manager was also instructed to proceed with steps to negotiate and acquire the site necessary as a part of the Water Treatment Plant waste disposal. The site under consideration is a 27 acre borrow site west of, and adjacent to the I-235 highway approximately two blocks north of Central Avenue.

We would appreciate it if you would review the reports in accordance with Section 204 of the Demonstration Cities and Metropolitan Development Act of 1966.

We would like to file our application with HUD as soon as possible.

RHess
Robert H. Hess
Director of Water

RHH:bg

cc: Jim Looney, Community Facilities Planner
John D. Wynkoop, Operations Chief Engineer ✓
Gary Richert, Administrative Assistant