AS-BUILT PLANS WATER DISTRIBUTION SYSTEM

to serve

WICHITA PUBLIC LIBRARY ROCKWELL BRANCH

5939 E. 39TH ST. N.

CITY OF WICHITA, KANSAS

Paul Gunzelman, P.E. City Engineer

2024-022819PPW

54030980

Utility Contractor = McCullough Excavation
Inspector = Fred Smith - Baughman Company

As-Built Plans = FES & Larry Powell
January 24, 2025.
Revised January 27, 2025.

Baughman Job No.: 24-10-E946

Construction Began = November 2024

Construction End = November 2024

GENERAL NOTES:

1. The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.

   a. Maintain a minimum of 10–foot horizontal separation between all water lines (mains, services, and fire hydrants) and all sanitary sewer lines (mains, services, and manholes). All separation distances are to be measured from edge–to–edge, at the closest point.

   b. Maintain a minimum of 2–foot vertical separation between all water lines (mains and services) and all gravity sanitary sewer lines (mains, services, and manholes) at crossings. All separation distances are to be measured from edge–to–edge, at the closest point.

   c. Maintain a minimum of 2–foot vertical separation between all water lines (mains and services) and all pressurized sanitary sewer lines (force mains and services) at crossings. Waterlines must always be placed above pressurized sanitary sewer lines where they cross. All separation distances are to be measured from edge–to–edge, at the closest point.

2. Contractor will be required to provide notice to utility companies a minimum of seventy–two (72) hours prior to any excavation, as follows:

   Kansas One–Call 687–2470

   The Contractor must notify the following in case of an emergency:

AT&T	1–800–246–8464
Black Hills Energy	1–800–694–8989
City of Wichita Water & Sewer	1–316–219–8921
City of Wichita Stormwater	1–316–268–4090
City of Wichita Traffic	1–316–268–4034
Cox Communications	1–888–249–3530
Kansas Gas Service	1–888–482–4950
Evergy	1–800–544–4857

3. Utility service lines, poles, etc. are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right–of–way which do not conflict with proposed construction.

4. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations, in the opinion of the Engineer, that will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain will require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits will require additional archaeological investigations unless buried in a previously approved borrow location.

5. Trees and shrubs in public right–of–way which are in direct conflict with proposed new construction shall be removed by the Contractor with the City Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

6. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.

7. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re–establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re–established by a licensed land surveyor in accordance with state laws

8. The Engineering Division shall field locate water valve one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, valve boxes or fire hydrants damaged during construction shall be repaired by Contractor at his own expense. Valve boxes and water meters within the project limits shall be adjusted to match field grades by the contractor.

9. The Contractor shall notify the consultant engineer and Dawnita Reinhardt at 316–650–0740 with the City of Wichita with the anticipated construction start date and notify them of project completion. Staking and inspection for this project will be the responsibility of the Contractor.

10. If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer at traffic@wichita.gov before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction zone markings and signage shall conform to the latest version of Manual on Uniform Traffic Control Devices (MUTCD) as published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractors responsibility.

11. All elevations shown are NAVD88.

12. All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions per City specifications.

13. Any sidewalk, drive approach, curb, or street pavement removed to construct project must have a pavement cut permit and be replaced by the City contractor. Permits can be obtained by calling 316–268–4501 or 316–268–4480.

14. All applicable fees (tap, equity, in lieu of & main benefit) must be paid before any work on this project can commence. Quotes can be obtained on fees by calling Chris Stone at 316–268–4641.

15. City maintenance of water mains ends within two feet of vault.

16. Opening and closing of water valves shall be done slowly to prevent damage to the water distribution system from water hammer. All valves closed by the contractor must be reopened as new construction permits. The project inspector must ascertain that any valve closed by the Contractor is reopened. The contractor will be permitted to operate water valves only when the project inspector assigned to the project is present.

17. The Contractor shall lay a Tracer Wire and Set Test Stations along all water pipe installed in accordance with City Specifications and Tracer Wire Detail on detail sheet WL–101, cost is subsidiary to pipe installation.

18. The contractor shall provide materials for temporary blowoff of waterlines. Connections to the existing waterline(s) shall be made with clean, swabbed pipe and flushed upon completion of tie–ins.

19. Requests for short term water interruptions shall be made to the City Water Distribution Division and will be subject to their approval. The Contractor shall give written notice to any property owner, business, and/or tenants that will have water service interrupted at least 5 days in advance. Such notifications should indicate the time and date that the water will be turned off and when the service will be restored. No business, property owner, and/or tenants shall be without water service for more than 8 hours. Proposed tie in locations which will affect water service to property owners shall be performed during non–peak hours.

20. The Contractor must schedule the connections to the existing main with the City such that there is a minimum disruption of service. Connections shall be made during periods of low water usage. The Contractor shall submit his proposed schedule for completing work for City approval at least 10 days prior to beginning construction.

21. Deflections at pipe joint or couplings shall not exceed the pipe manufacturers recommended maximum. Where deflections are greater than the maximum allowed, the contractor shall utilize fittings.

22. Any existing joint exposed during excavation shall be replaced if within four feet of proposed joint.

23. Valves 12 inches and larger are to be operated by the City Water Distribution Division, 48 hours of advance notice is required.

24. All wet taps shall be installed by the City of Wichita. The Contractor will reimburse the City for tapping fees prior to tap being made. Unless noted on plans.

25. The Contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the contractor's expense.

26. Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.

27. Wichita Fire Department inspections may be scheduled by calling Dawnita Reinhardt at 316–650–0740.

28. All existing and proposed erosion control measures including silt fencing, erosion control mat, straw bales, inlet barriers, and const. entrance shall be maintained throughout construction by the contractor and until project is accepted by the City of Wichita. The on–site engineer shall complete weekly reports on the status of erosion control measures. The contractor shall be required to comply with maintenance and/or replacement of erosion control measures as determined by the on–site engineer until project is accepted by City of Wichita. Maintenance and/or replacement of erosion control measures to be paid by L.S. bid item "Maintain Existing BMPs".

29. All excess excavation shall remain on–site and shall be spread or stockpiled at a location to be determined by developer.

30. All of 9th St. R/W disturbed during construction shall be seeded and mulched as follows:

    Seed –– Kansas Premium Fescue Blend; 8 lbs. PLS/1000 Sq. Ft.
    Annual Rye grass; 3 lbs./1000 Sq. Ft.
    Fertilizer –– 12–24–12 Ratio; 45 Lbs./Ac.
    Mulch –– 2 Tons Prairie Hay/Ac.

    All other areas disturbed during construction are to be seeded as follows:

    Seed –– Rye grass; 5 lbs./1000 Sq. Ft.

    All costs associated with seeding including mobilization, preparation of ground, seeding, fertilizing, mulching, etc. shall be included in the L.S. bid item "Seeding".

    An additional bid item for "Seeding, Temporary" has been included and may be used at the discretion of the design engineer. Temporary seed shall be Annual Rye at 5 lbs./1000 Sq. Ft. unless otherwise noted and shall be planted when permanent seed or sod cannot be used due to seasonal limitations. If the "Seeding, Temporary" bid item is not used, 100% of the pay item will be deducted from the contract. All costs associated with temporary seeding including mobilization, preparation of ground, seeding, etc., shall be included in the L.S. bid item "Seeding, Temporary".

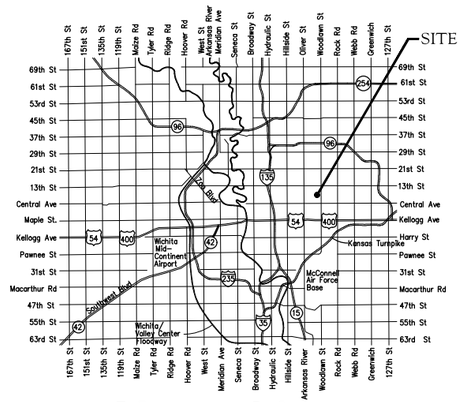
31. The Contractor shall not begin work on the project until the Project Inspector is assigned and on site. Any work completed without inspection will be required to be uncovered for inspection at the Contractor's expense.

Benchmarks

BM #1: "X" Chiseled West of Box Culvert South Side of 9th Street, 100' west and 12' north of the NW corner of Lot 1, Block A, Edgemoor Park Branch Library Addition.
Elev. = 1376.89 (NAVD 88)

BM #2: "□" Chiseled on NW Corner of the South Curb Inlet, at the end of Jaqueline St., 5' west and 38' south of the SE corner of Lot 1, Block A, Edgemoor Park Branch Library Addition.
Elev. = 1381.24 (NAVD 88)

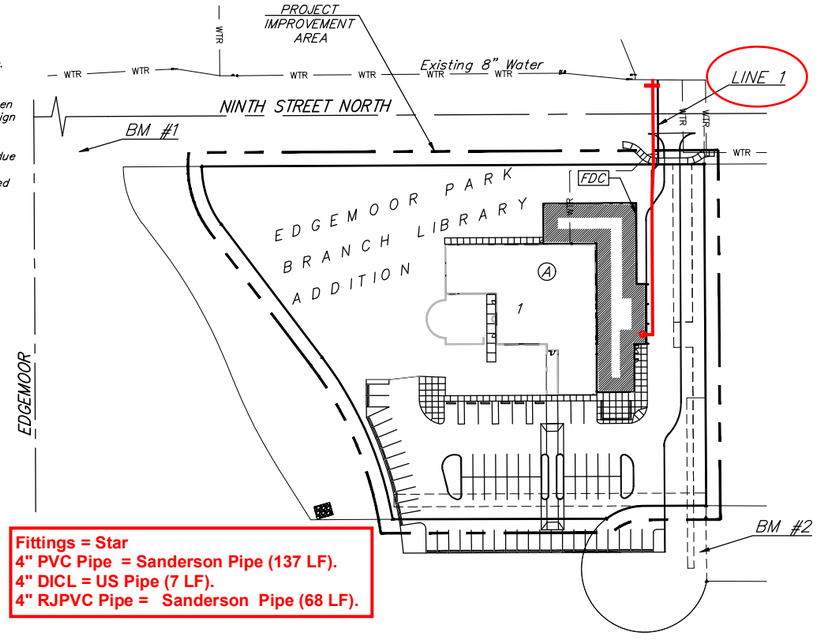
Control Point = BM #2:
N=375,858.00 E=1,7567,468.63
ELEV =1381.24



Vicinity Map

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Fittings = Star
4" PVC Pipe = Sanderson Pipe (137 LF).
4" DICL = US Pipe (7 LF).
4" RJPVC Pipe = Sanderson Pipe (68 LF).

APPROVED AS NOTED
BY WICHITA PUBLIC WORKS
ENGINEERING DIVISION
& BY WICHITA FIRE DEPARTMENT

Engineering approved by Shawn Mellies on 09.19.24
Utilities approved by Greg Lolley on 09.19.24
Fire Dept. approved by Jose Ocadiz on 09.19.24

NOTE TO CONTRACTORS

Public Property:

Inspection and testing for the waterline is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said Inspection is to be in accordance with the City of Wichita standard construction engineering practices and certified by a Professional Engineer Licensed in the stote of Kansas. No work shall be performed in dedicated easements or public right–of–way by the Contractor without such inspection nor shall any work be commenced without written authorization by City Engineering. All Construction and Materials shall comply with the City of Wichita Specifications and Standards and Special Provisions (on file and available in the City Engineer's Office) or on the City's Website.

Private Property:

Installation and testing for the fire protection line is to be performed by a City of Wichita licensed fire protection contractor in accordance with the fire codes as adopted by the City of Wichita. All material and construction practices for the fire protection line shall comply with the fire codes as adopted by the City of Wichita (available from the City of Wichita Fire Department). The Contractor shall not commence work without notification and approval of the Wichita Fire Department. Inspection of the fire protection line is to be provided by a licensed Engineering Firm under contract with the Owner/Developer and the Fire Department. The contractor shall not start work until the project inspector is assigned to the project and present on the site. Any work done without inspection will be required to be uncovered for inspection.

An approved copy of these plans signed by City staff are required on–site.

TREVOR JAMES WOOTEN LICENSED 21190 9-18-24 KANSAS PROFESSIONAL ENGINEER

September 19, 2024

BAUGHMAN COMPANY
315 Ellis St. Wichita, KS 67211 316-262-7271
BaughmanCo.com

E:\Projects\Wichita Public Libraries (24-04-E767)\Rockwell Phase 1\PPW\PPW.dwg

BENCHMARKS:
BM #1: "X" Chiseled West of Box Culvert South Side of 9th Street, 100' west and 12' north of the NW corner of Lot 1, Block A, Edgemoor Park Branch Library Addition.
Elev. = 1376.89 (NAVD 88)

BM #2: "□" Chiseled on NW Corner of the South Curb Inlet, at the end of Jaqueline St., 5' west and 38' south of the SE corner of Lot 1, Block A, Edgemoor Park Branch Library Addition.
Elev. = 1381.24 (NAVD 88)

City maintenance of water mains ends within two feet of vault.

* Riser Note:
Contractor to install DICL pipe a minimum 5' outside Building. DICL riser pipe, CIMJ Bend, & DICL horizontal section exiting building foundation wall are to be mega-lugged together and riser is to be extended 12" above Building FFE. Riser location is approximate, building GC is required to locate Riser location per the foundation requirements.
Contractor to install blind flange with 2" tap for testing. Remove flange & tap upon acceptance.

Scale: 1" = 20' Horizontal
1" = 5' Vertical
• = Iron

From C/L N. Patricia Ave. & 9th St. N.:
SADDLE: Sta. 0+00 = 29' N. & 37' E.
4" TAP VALVE: Sta. 0+02 = 27' N. & 37' E.

Sta. 0+00 was Shifted 5.2' West to miss Existing Pipe Joint.

Sta. 0+00.00, Begin Line 1
1 – 8"x4" Tapping Saddle
1 – 4" Tapping Valve
& Valve Box
Tapping saddle, tapping valve & valve box to be furnished and installed by the City of Wichita Water Dept. Contractor to set valve box to grade. Contractor to reimburse City of Wichita for water tap.
Valve Box Elev. = ~~1376.20~~ 1382.65
N=376,232.25 E=17,567,435.40

4"V 52160

Sta. 0+66.89, Line 1
1 – 4" CIMJ 45° Bend
N=376,165.36 E=17,567,435.71

CAUTION!
Ex. UG Cox Line Crossing

~~7.07~~ L.F. 4" DICL Pipe

Sta. 0+73.96, Line 1
1 – 4" CIMJ 45° Bend
N=376,160.33 E=17,567,430.73

Sta. 2+03.70, End Line 1
1 – 4" CIMJ 90° Bend
1 – 4" 90° DICL Bend* (Vert)
1 – 4" ~~5.28~~ L.F. DICL 6.5'
Riser Pipe* (Vert)
FFE Elev. = ~~1383.28~~ 1383.45
*see riser note
N=376,030.60 E=17,567,431.33

From C/L N. Patricia Ave. & 9th St. N.:
90° BEND (H): Sta. 2+03 = 178' S. & 33' E.
90° BEND (V) / RISER: Sta. 2+10.2 = 178' S. & 26' E.
Top Riser Elev. = 1385.00

NINTH STREET NORTH

10' Util. Esmt.

Existing 12" Sewer

Sewer Esmt.

27.5 L.F. 4" PVC Pipe

~~129.74~~ L.F. 4" Pipe
109.0' PVC

LINE 1

Proposed 4" Relocated Sewer Service

Proposed 8" Roof Drain

Proposed 8" Roof Drain Crossing

CAUTION!
Ex. UG Elec., AT&T, and CATV Line Crossings

~~5.00~~ L.F. 4" DICL Pipe

Existing Pvm't

TS

Sta. 0+02

C/L N. Patricia Ave.

Sta. ~~0+05.00~~, Line 1
Begin installation of ~~45.00~~ L.F. RJPVC pipe under road by directional drilling.**
N=376,227.25 E=17,567,435.43

69.5'

~~45.00~~ L.F. 4" RJPVC Pipe

Sta. 0+68.5

Sta. ~~0+50.00~~, Line 1
End installation of ~~45.00~~ L.F. RJPVC pipe under road by directional drilling.**
~~N=376,182.25 E=17,567,435.63~~

~~16.89~~ L.F. 4" Pipe

Saw cut and remove existing sidewalk as necessary for water line construction.

From C/L N. Patrica Ave. & 9th St. N.:
MINOR DEFLECTION OF PIPE (H):
Sta. 0+96 = 68' S. & 33' E.
(No Fitting Used.)

Existing Gas Line
Existing 5' Walk
40' R/W
Prop. Wtr Svc. Line
Existing 8" Water
Existing 15" Cox Line
Proposed 5' Walk
15' O.D.-O.D.
Proposed Bldg.
FDC

Addition:
From C/L N. Patricia Ave. & 9th St. N.:
SLEEVE: Sta. 0+69 = 41' S. & 38' E.
(Sleeve used for connection of RJPVC Pipe to PVC Pipe).

EDGEMOOR PARK
BRANCH LIBRARY
ADDITION

Pipe layout is shown with horizontal and vertical deflections. Contractor to use short pipe lengths, high deflection couplers, and manufacturer recommended pipe deflections to meet planned alignment.

Contractor to maintain a minimum of 10' of horizontal separation (O.D.-O.D.) between sanitary sewer and water line.

Contractor to verify depth and location of existing utilities. Contractor to relocate any existing utilities as necessary for construction.

Contact utility companies 3 weeks prior to construction to coordinate temporary removal/replacement.
Heide Bryan, Evergy, (316) 261-6354
Shannon Brinkmeyer, AT&T (316) 268-2931
Travis Taylor, Cox Comm., Travis.taylor@cox.com

WATER LINE FITTING COORDINATES

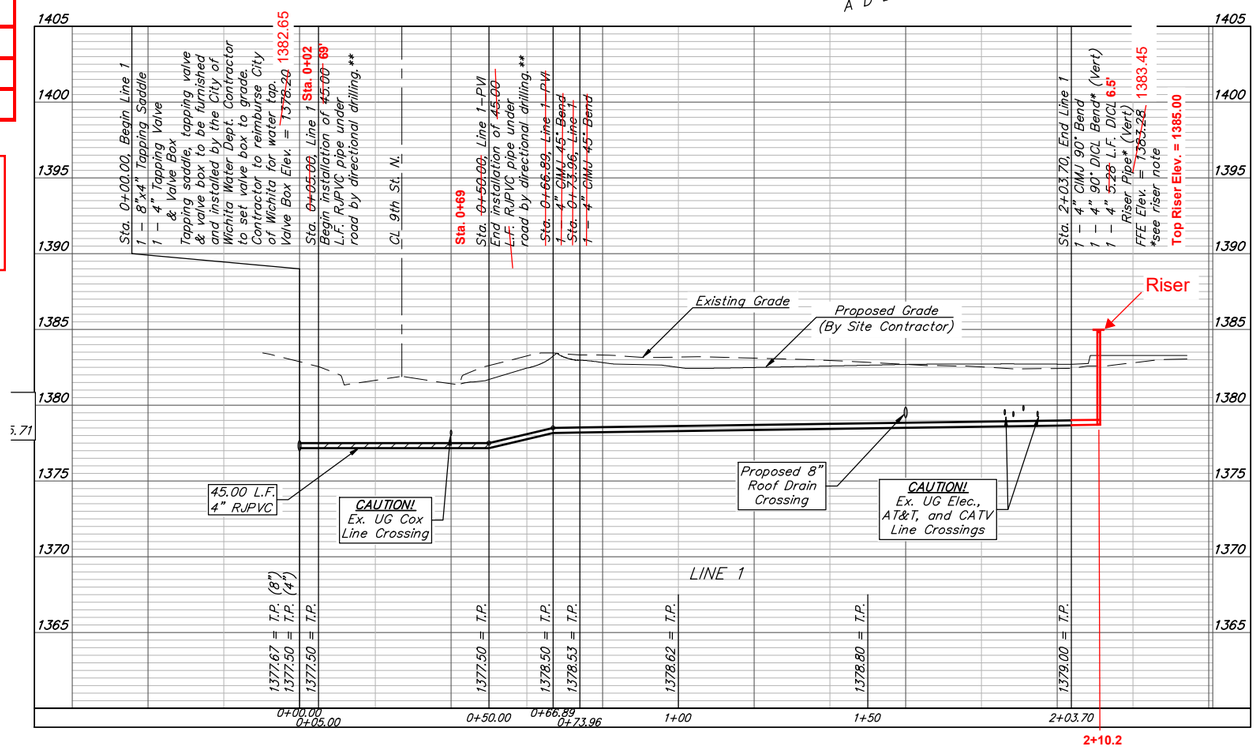
LINE	STA.	ITEM	NORTHING	EASTING	ELEV.
1	0+02	4" TAP Valve	376,232.44	17,567,430.22	1382.65
1	0+69	Sleeve	376,162.94	17,567,431.95	1378.54
1	0+96	Deflection	376,135.82	17,567,427.36	1378.71
1	2+03.7	90° Bend	376,026.83	17,567,428.15	1378.91
1	2+10.2	Fire Riser	376,027.79	17,567,421.70	1385.00
VALVE ELEV. = TOP OF VALVE BOX					

**All connections to directional drill pipe must be restrained joint

Northings (N) & Eastings (E): State Plane Coordinates - Kansas Regional Coordinate System, Wichita (KRCS, Wichita).
Elevations: NAVD88.
As-Built Survey Shots By: Fred Smith - Baughman Company, P.A.

LEGEND

TS = Test Station



DEPTH UNKNOWN
Contractor to Verify Depth & Location of Existing Water Line Prior to Construction.

TREVOR JAMES WOOTEN LICENSED 21190 9-18-24 KANSAS PROFESSIONAL ENGINEER

BAUGHMAN COMPANY
315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

WICHITA PUBLIC LIBRARY
ROCKWELL BRANCH

LINE 1

WATER DISTRIBUTION SYSTEM

PROJECT NUMBER:
24-04-E757

DESIGN: TJW DRAWN: TMS

DATE: September 19, 2024

SHEET 2 OF 11

File: E:\Projects\Wichita Public Libraries (24-04-E757)\Rockwell\Phase 1\PP\WPPW.dwg

C-1 4-18

edgemoor park branch library addition
wichita, sedgwick county, kansas

STATE OF KANSAS SS
COUNTY OF SEDGWICK

I, John J. Hall, Land Surveyor in said State and County, hereby certify that I have surveyed and platted "EDGEMOOR PARK BRANCH LIBRARY ADDITION", to Wichita, Sedgwick County, Kansas, and the accompanying plat is a true and correct exhibit of such survey, being described as a tract of land located in the Southeast Quarter of Section 13, Township 27 South, Range 1 East of the Sixth Principal Meridian, Sedgwick County, State of Kansas, being more particularly described as follows:

BEGINNING at the Northeast corner of Edgemoor Park, said corner being 40.00 feet South of the Northeast corner of the West Half of the Southeast Quarter of said Section 13.

THENCE S 0° 00' W on the East line of said Park, a distance of 280.00 feet;

THENCE S 90° 00' W, parallel with the North line of said Park, a distance of 313.00 feet;

THENCE N 32° 00' W a distance of 45.50 feet to the Point of Curve, said curve to the right having a central angle of 10° 00' and a radius of 450.00 feet;

THENCE on said curve to the right, a distance of 78.54 feet to the Point of Tangency;

THENCE N 22° 00' W on the tangent of said curve, a distance of 19.14 feet to the Point of Curve, said curve to the left having a central angle of 15° 00' and a radius of 400.00 feet;

THENCE on said curve to the left, a distance of 104.72 feet to the Point of Tangency;

THENCE N 37° 00' W on the tangent of said curve, a distance of 22.25 feet to the Point of Curve, said curve to the right having a central angle of 37° 00' and a radius of 75.00 feet;

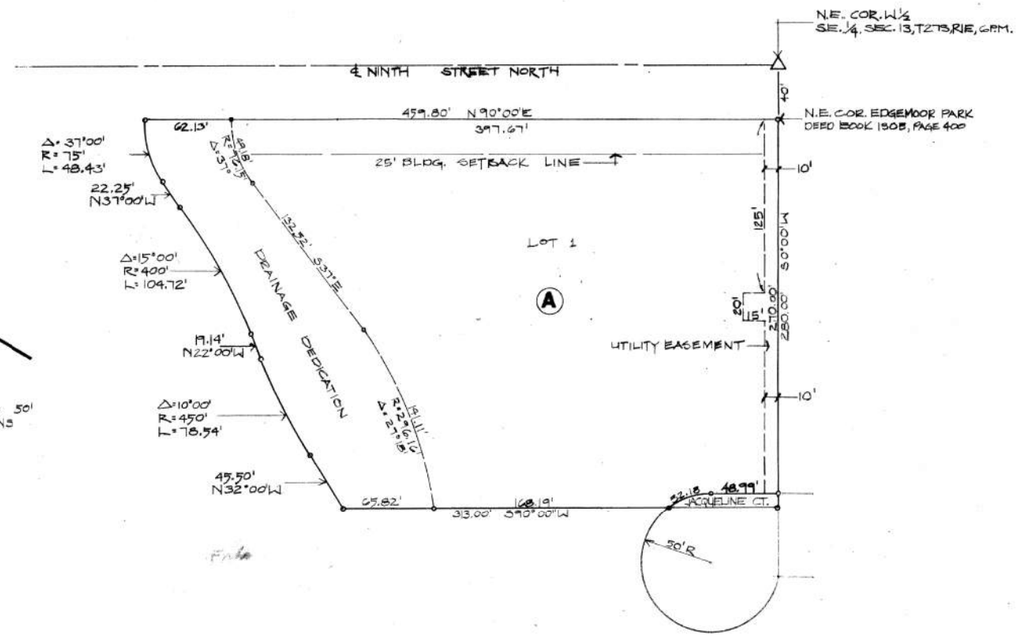
THENCE on said curve to the right, a distance of 48.43 feet to a Point on the North line of Edgemoor Park, said line being 40.00 feet South of and parallel with the North line of the West Half of said Southeast Quarter;

THENCE N 90° 00' E on said North line of Edgemoor Park a distance of 459.80 feet to the POINT OF BEGINNING.

3-3-75 John J. Hall L.S. #341

JOHN J. HALL — KANSAS — LS-341 — LAND SURVEYOR

SCALE — 1" = 50'
O = IRON PINS



STATE OF KANSAS
COUNTY OF SEDGWICK SS.

Know all men by these presents that the Wichita Public Library Board has caused the land described in the surveyor's certificate to be platted into a lot, block, and street to be known as "EDGEMOOR PARK BRANCH LIBRARY ADDITION", to Wichita, Sedgwick County, Kansas. The utility easement shown on the plat is hereby granted for construction and maintenance of all public utilities. The drainage right of way as indicated is hereby dedicated to the public. The street is hereby dedicated to and for the use of the public.

Wichita Public Library Board

Samuel E. Spaght Chairman

Lewis Farha Secretary

STATE OF KANSAS
COUNTY OF SEDGWICK SS.

The foregoing instrument was acknowledged before me this 10th day of March, 1975, by Samuel E. Spaght, Chairman, and Lewis Farha, Secretary, of the Wichita Public Library Board, on behalf of the Board.

My Commission Expires:
Dec. 28, 1977

Rita Goodwin Notary Public
RITA GOODWIN

#247377

This plat of "EDGEMOOR PARK BRANCH LIBRARY ADDITION" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 27th day of February, 1975.

Wichita-Sedgwick County Metropolitan Area Planning Commission

Harland R. Kamen Chairman

Robert A. Lakin Secretary

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas.

10th day of March, 1975

John S. Stevens VICE Mayor

John S. Stevens

Donald C. Gislick City Clerk

This plat approved and all dedications shown hereon, if any, accepted by the Board of County Commissioners of Sedgwick County, Kansas.

Earl E. Hoch Chairman

John Hall Commissioner

Tom Scott Commissioner

ATTEST: George Pierce County Clerk
George Pierce

STATE OF KANSAS SS
COUNTY OF SEDGWICK

This is to certify that this instrument was filed for record in the Register of Deeds Office at 2:00 P.M. on the 15TH day of SEPTEMBER, 1975.

Bette F. McCart Register of Deeds

Pearl B. Gilbert Deputy

Entered on Transfer Records this 15TH day of SEPTEMBER, 1975.

George Pierce County Clerk
George Pierce

FOR REFERENCE ONLY
NOT TO SCALE

C-1 4-18

BAUGHMAN COMPANY
315 Ellis St.
Wichita, KS 67211
316-262-7271
BaughmanCo.com

WICHITA PUBLIC LIBRARY
ROCKWELL BRANCH

COPY OF PLAT

WATER DISTRIBUTION SYSTEM

PROJECT NUMBER:
24-04-E757

DESIGN: DRAWN:

DATE: September 6, 2024

SHEET 11 OF 11

File: E:\Projects\Wichita Public Libraries (24-04-E757)\Rockwell\Phase 1\PP\WPPW.dwg