THE CITY OF WICHITA
OFFICE OF PLANNING DIRECTOR **DATE** July 8, 1954

TO Bill Smith, City Engineer

FROM J. Thomas Via

SUBJECT Topigraphical survey; West bank, big Arkansas River

Attached are prints of a topigraphical survey which was recently completed for the West bank of the big Arkansas River. This work has been done for us through the flood control office.

Also included is information relative to the "benchmarks" as established by Shay et al. from 21st Street southeasterly along river. This information indicates the elevation of the "benchmarks".

Also included is information relative to the various section corners and ties for the traverse. I trust that this information will be of some value to you.

J. Thomas Via
PLANNING DIRECTOR

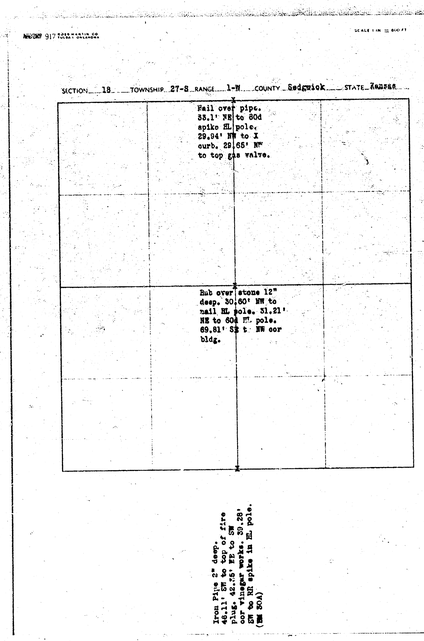
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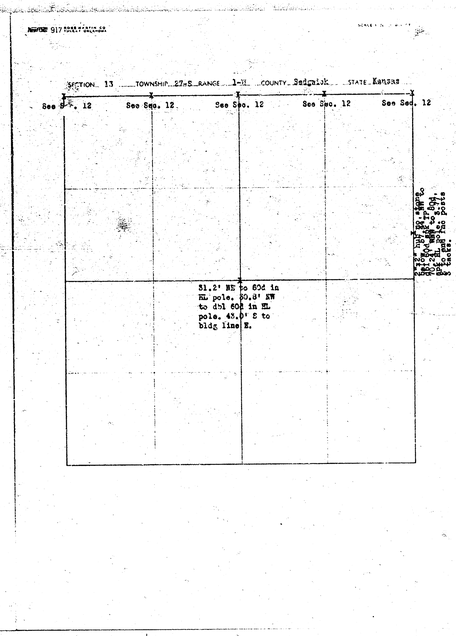
BENCH MARKS AS ESTABLISHED BY SHAY AND OTHERS

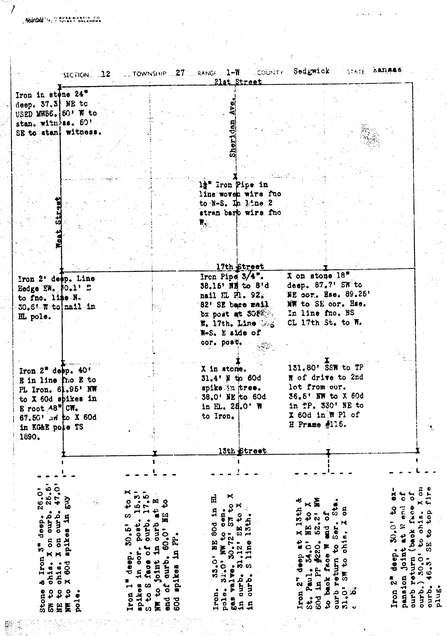
FROM 21st STREET SOUTHEASTERLY ALONG RIVER

Bench No.	Description and Location	Elevation
FC-BA #14	Mark is a 3/8 inch bolt in KG&E highline pole #1327 in the Indian Hills Addition, pole is east of a brick fronted house located about 0.25 miles south of 13th.	1305.98
FC-BA #15	Mark is a single 60d spike in a KG&E highline pole at the NW corner of 11th Street and Meridian Ave. (Black and Veatch BM #37 117.15 plus 1187.28 (1304.43).	1304.42
FC-BA #16	Mark is a double 60d spike in a KG&E highline pole at the SE corner of 11th and Edwards Streets. (This mark is also a Black & Veatch BM #36 116.72 plus 1187.28 "1304.00")	1304.01
FC-BA #17	Mark is a double 60d spike in KG&E highline pole #1000 at the NE corner of 9th and Edwards Streets. (This mark is also a Black & Veatch BS 119.28 plus 1187.28 "1306.55")	1306.55
USED TBM K-71	Mark is a RR spike in a KG&E highline pole on the north side of 9th Street, about 150 feet east of 9th and Edwards Streets. (Error of closure 0.02 minus, from USGS at 13th Street bridge to USED TBM K-71. Elevations Adjusted.)	1305.75
FC-BA #18	Mark is a 3/8 inch bolt in a KG&E highline pole at the SW corner of 8th and Edwards Streets.	1304.22
FC-BA #19	Mark is a double 60d spike in a KG&E highline pole at the SE corner of Elm and Edwards Streets. (Mark is also a Black & Veatch BM #33, 116.71 plus 1187.28 "1303.99")	1303.98
CITY BM	"Q" in globe west side of Edwards Street, 50 feet south of Central Ave. (Mean sea level elevation 1304.46) (CITY ELEV. 117.18 plus 1187.28 "1304.46") Note: City Engineers office carries this elevation as 118.05	1304.46

(City Elevation plus 1187.28 equals Mean Sea Level Elevation)







BENCH MARKS AS ESTABLISHED BY SHAY AND OTHERS

FROM 21st STREET SOUTHEASTERLY ALONG RIVER

Bench No.	Description and Location	Elevation
USED MW 57	On 21st Street about 500 feet west of the ¼ corner between Sections 1 and 12, T-27-S, R-1W on the north side of the east end of a steel and timber bridge over the Arkansas River, 5 feet north of north rail of bridge and 1½ feet below floor. A RR spike driven in top of a timber piling support for retaining wingwall.	1320.402
FC-BA #1	On 21st Street, mark is a 3/8 inch bolt in the south side of south pole of KG&E "A" frame pole. Pole located on south side of 21st Street near the west end of Arkansas River bridge.	1320.72
FC-BA #2	About 1200 feet south of 21st Street on the right bank of the Arkansas River, mark is a 3/8 inch bolt in KG&E highline pole near a sand pit now in operation, three transformers are located on this pole #TS 6627.	1315.48
FC-BA #3	Mark is a 3/8 inch bolt in x fence post on the right bank of the Arkansas River, a 5 foot woven wire fence to the south, a gravel road is on the west side of fence, road posted "PRIVATE ROAD", this road is Sheridan Street, extended.	1314.73
FC-BA #4	Mark is a 3/8 inch bolt in most northerly KG&E pole of pole line to south, about 200 feet south of the right bank of the Arkansas River, line of poles is about 660 feet west of St. Paul Street.	1313.79
FC-BA #5	Mark is a 3/8 inch bolt on the south side of the east pole of KG&E "A" frame structure, located about 80 feet south of the right bank of the Arkansas River at about 19th and St. Paul Streets.	1314.00
FC-BA #6	Mark is a 3/8 inch bolt in KG&E service pole in lawn of 1946 N. Meridian, about 150 feet south of the right bank of the Arkansas River.	1313.94

* Note: BM's FC-BA #1 through #6 are located in Sec. 12, T-27-S, R-1-W.

(City Elevation plus 1187.28 equals mean sea level elevation)

BENCH MARKS AS ESTABLISHED BY SHAY AND OTHERS

FROM 21st STREET SOUTHEASTERLY ALONG RIVER

Bench No.	Description and Location	Elevation
FC-BA #20	Mark is an "X" chiseled in curbing on the south line of Central Avenue and the east line of Richmond at about the external of the radius.	1303.04
FC-BA #21	Mark is a 60d spike in the south pole of KG&E "A" frame structure where highlines cross from right bank to left bank of the Arkansas River, near Central Avenue and McLean.	1304.22
CITY BM	Mark is "Q" in Globe on curbing of St. Clair Ave. at the beginning of radius to McLean Blvd. (City Elev. 115.90 plus 1187.28 is M.S.L. Elev. 1303.18) OR Mark is "Q" in globe on curbing of McLean Blvd at the beginning of radius to St. Clair Ave. (City Elev. 115.78 plus 1187.28 is M.S.L. Elev. 1303.06) * Note: One of the above marks is a City BM on which the city engineers' office carries a city elevation of 116.04.	1303.18 / 1303.06
FC-BA #22	Mark is a 3/8 inch bolt in a street light pole near the right bank of the Arkansas River, pole located opposite house #2221 McLean.	1304.79
USED TBM K-4	Mark is a chiseled square on the curbing at the SW corner of McLean Blvd. and Millwood Street. (Error of closure from USED TBM 71 to USED TBM K 4 as established 10 November 1953, 0.02' plus, elevations adjusted.)	1302.32

(City Elevation plus 1187.28 equals Mean Sea Level Elevation)

TIES TO "M" TRAVERSE

Section 12, T-27-S, R-1-W

M 1

24"x2-½" Iron Pin 0.1' below blacktop.
36.45' SSW to 3 tacks KG&E HL pole.
100.35' SSE to ZM BA #1, 3/8" bolt S pole of KG&E "A" Frame.
97.87' ESE to 3 tacks NW plank rail bridge.

M 2

3/4" Iron Pin.
4' S. to corner fence post.
45.25' NE to 3 tacks 18" Elm.
50.32' E to 3 tacks 18" Elm.

M 3

3/8" Iron Pin in fence W edge gravel drive and E edge alfalfa fld.
130.3' N to line of fence W.
20.3' E to line of fence N-S.

M 4

3/8" Iron Pin in line HL poles to S.
25.28' SSW to 3 tacks in W KG&E "A" Frame HL pole.

BENCH MARKS AS ESTABLISHED BY SHAY AND OTHERS

FROM 21st STREET SOUTHEASTERLY ALONG RIVER

Bench No.	Description and Location	Elevation
FC-BA #7	Mark is a 3/8 inch bolt in a corner fence post about 0.2 miles east of Meridian Ave., about 300 feet south of the right bank of the Arkansas River. Fences from this corner post are to the south and to the west.	1310.75
FC-BA #8	Mark is a 3/8 inch bolt in a KG&E guy pole located about 250 feet NNW of brick house. (1679 N. Clarence)	1310.16
FC-BA #9	Mark is a chiseled 'X' on the north curbing of driveway to house. (1640 N. Clarence)	1308.36
FC-BA #10	Mark is a 3/8 inch bolt in a KG&E highline pole (NW), northwest of intersection of 15th and Charles Streets.	1307.01
FC-BA #11	Mark is a 3/8 inch bolt in a KG&E highline pole, first pole north of driveway to 1536 Castle.	1306.64
FC-BA #12	Mark is a 3/8 inch bolt in a KG&E highline pole on the west side of Castle Street, pole located about 100 feet north of driveway to first house north of 13th Street on Castle.	1307.34
FC-BA #13	Mark is a chiseled 'X' on the SW corner of 13th Street on the right bank of the Arkansas River. Mark is at the end of the guard rail at the sidewalk level.	1312.17
	Mark is a standard monument 50 feet SE of the SE corner of the 13th Street bridge on the left bank of the Arkansas River. TT-29-WB 1312.	1312.14

* Note: Bench marks FC-BA #7 through #13 are located in Sec. 7, T-27-S, R-1-E. Error of closure from U.S.E.D. M.W. 57 to USGS TT-29-WB is plus 0.01'.

(City Elevation plus 1187.28 equals Mean Sea Level Elevation)

TIES TO "M" TRAVERSE

Section 7, T-27-S, R-1-E

M 5

3/4" Iron Pin.
71.53' to FC-BA #6, 3/8" bolt in HL pole.
61.0' SW to NE corner of garage at 1945 Meridian.

M 6

3/4" Iron Pin on Hi-Bank River.
256.2' NNW to corner fence post.
29.0' N to tacks in 3 Mulb.
(Note 29.0' is slope dist.)

M 7

3/4" Iron Pin on Hi-Bank River, Hi-Point N of Plum Thicket
8.9' N to 3 tacks dead 10" Elm.
31.07' E to 3 tacks 8" Mulb.

M 8

2"x2" Hub.
454.94' S to X in concrete CL Clarence St. and N edge of Hse. at 1679 Clarence.
X on line in concrete CL of Clarence St. and N line of 1607 Clarence.

M 9

3/4" Iron Pin.
3.22' W to KG&E #1636.
83.72' WNW to SE corner red brick Hse.

M 10

NW Property, Pin 1550 N. Castle.
1' W wood fence.
3' steel guard post at point.

M 11

3/4" Iron Pin.
80.4' W to 3 tacks in HL pole.
104.6' ENE to chis. square BA #13, 13th St. Bridge.
6.2' N to steel post marking, 13th St. and Charles.

TIES TO "M" TRAVERSE

Section 13, T-27-S, R-1-W

M 16

3/4" Iron 3" below CL 9th Street.
In line W side small frame house #2610 W. 9th.
36.76' NNE to 8d in end HL pole.
63.0' WNW to SE corner E Hdwl concrete culvert 1616 W. 9th.

M 17

3/4" Iron.
49.58' WNW to 8d nail in 8" corner post.
60.2' SW to steel corner post.
3.42' NW to KG&E #137.

M 18

3/4" Iron.
In line S edge house 851 Edwards.
7.3' N to 6d nail in S gate post.
3' E of N-S fence.

M 19

3/4" Iron Pin.
86.1' NNW to HL pole.
4.0' W to fence N-S.
60.0' NW to 4"x4" corner fence post 807 Edwards.

M 20

X on curbing S line Central at CL walk entrance to 2601 W. Central.

TIES TO "M" TRAVERSE

Section 18, T-27-S, R-1-E

M 12

3/4" Iron Pin 2" below surface CL gravel road.
94.6' SW to 3 tacks 18" Mulb.
7.15' NE to 3 tacks 24" Elm.
122' SW to X 60's in 18" Maple.

M 13

3/4" Iron Pin.
84.85' ENE to SW corner brick Hse.
3.2c' SS to 3 tacks root of 16" Elm.

M 14

3/4" Iron Pin.
42.3' S20°W to nail in 14" Elm.
23.3' S45°E to nail in 12" Ash.
22.75' N75°E to nail in twin 14" Elm.

M 15

3/4" Iron Pin.
3.11' NW to 8d nail HL pole N side Meridian.
79.51' WNW to 8d nail HL pole S side Meridian.
99.19' SW to 8d nail HL pole S side Meridian.

TIES TO "M" TRAVERSE

Section 12, T-27-S, R-1-W

M 1

24"x3/4" Iron Pin 0.1' below blacktop.
36.43' SSW to 3 tacks KG&E HL pole.
100.05' ESE to FM BA #1, 3/8" bolt S pole of KG&E "A" Frame.
97.67' ENE to 3 tacks NW guard rail bridge.

M 2

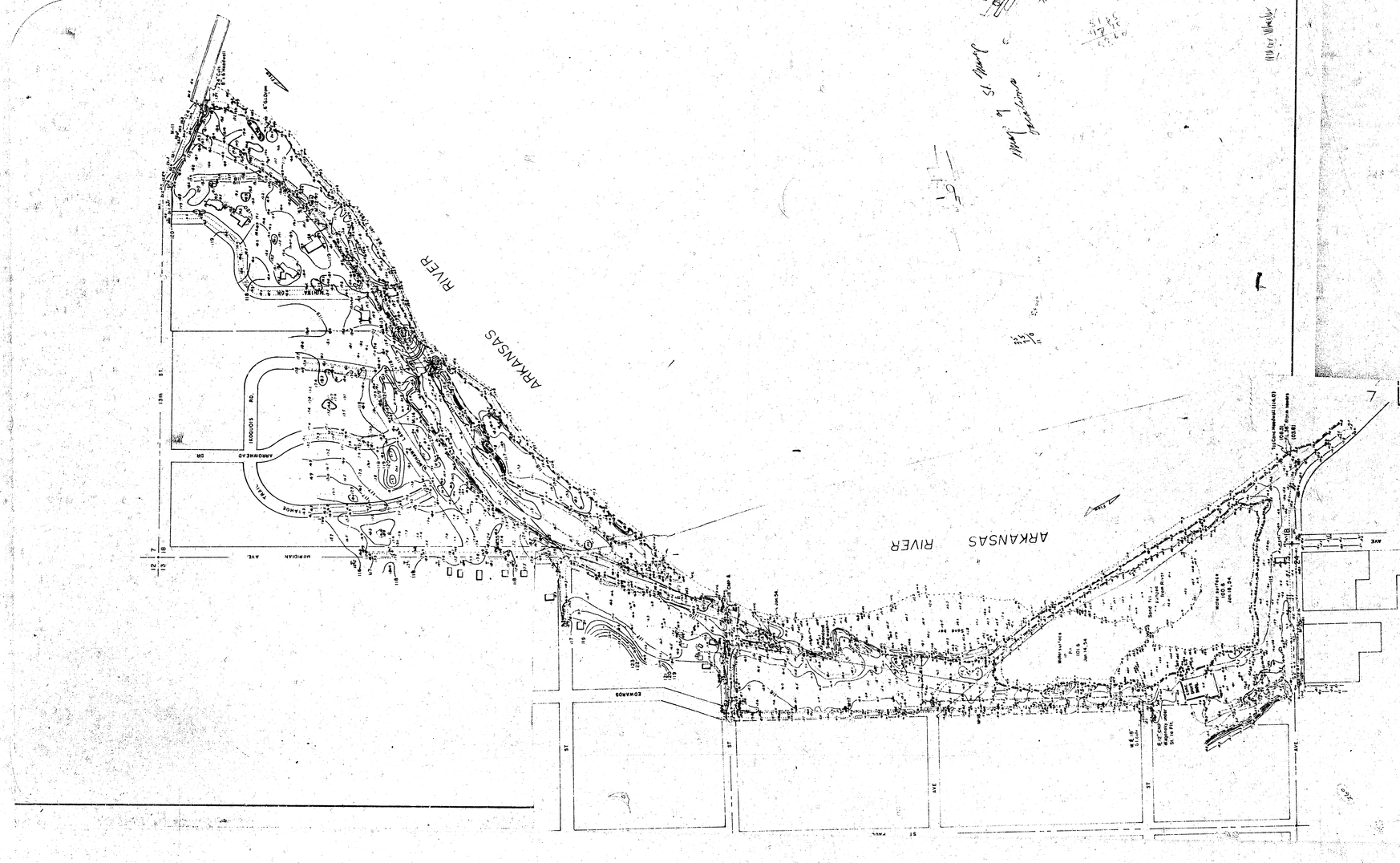
3/4" Iron Pin.
4' SW to corner fence post.
48.50' NE to 3 tacks 18" Elm.
60.32' E to 3 tacks 18" Elm.

M 3

3/4" Iron Pin in fence W edge gravel drive and E edge alfalfa fld.
130.3' N to line of fence W.
20.3' E to line of fence N-S.

M 4

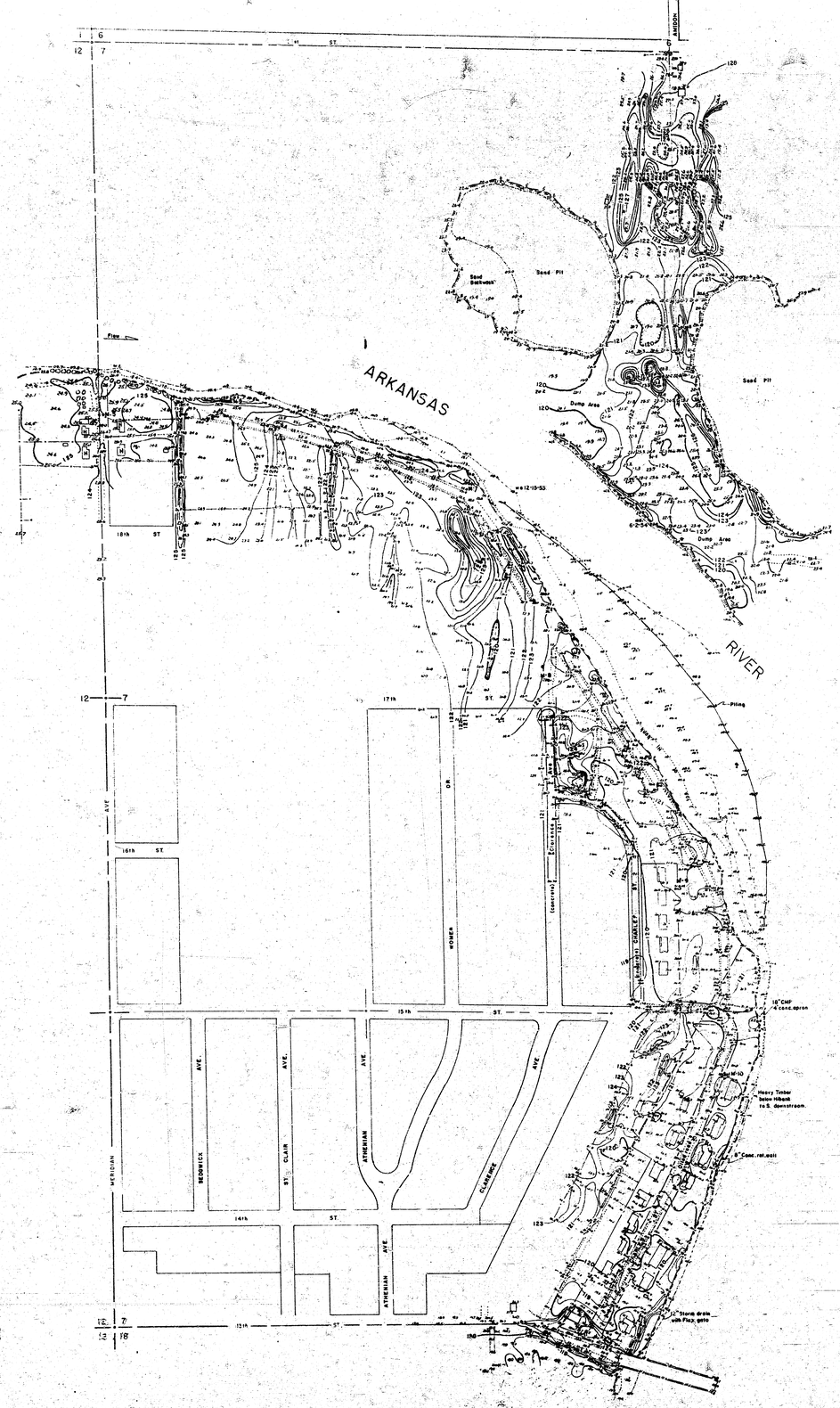
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ARKANSAS RIVER
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13th ST.
SIOUX TRAIL
ARROWHEAD DR
EDWARDS
ST
AVE
PKWY



CITY-COUNTY FLOOD CONTROL OFFICE

TOPOGRAPHIC SURVEY
SEC. 12, T-27-S, R-1-W



CITY-COUNTY FLOOD CONTROL OFFICE

TOPOGRAPHIC SURVEY
SEC. 7 T - 27 S. R - 1 - E