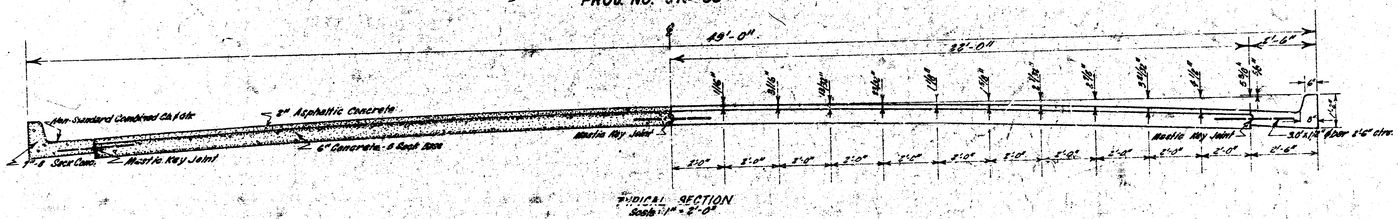
THIRTEENTH STREET

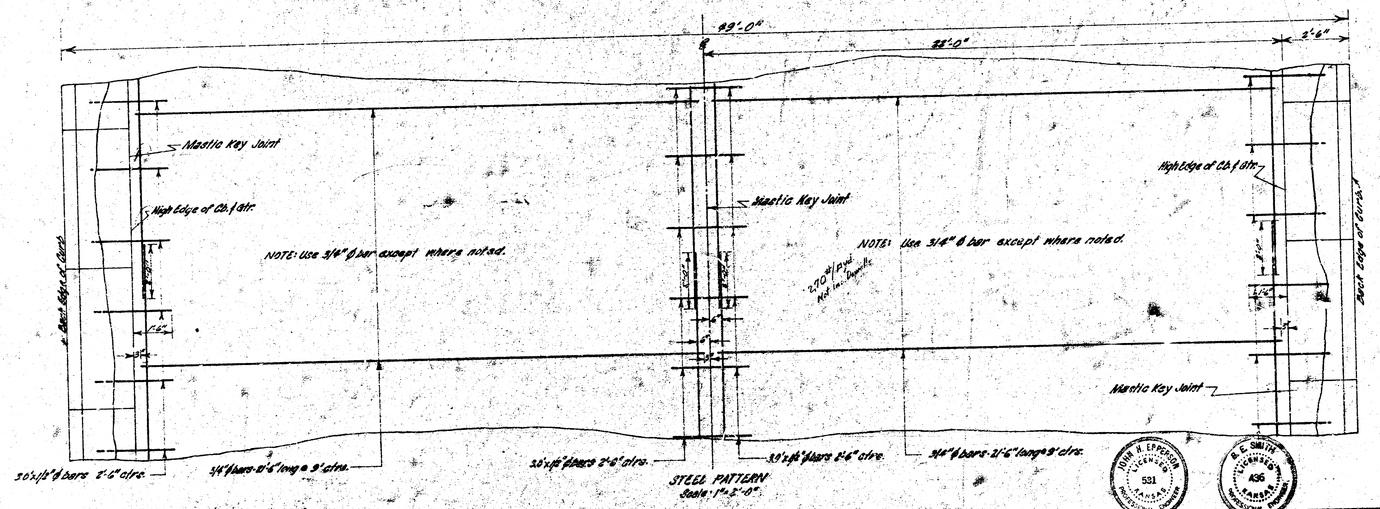
E.L. ST. PAUL AVE. --- W.L. McLEAN BLVD.

26'-2'-30' A.C. WIDEN TO 48' (8")

PROJ. NO. C-10-35



TYPICAL SECTION
Scale: 1" = 2'-0"



STEEL PATTERN
Scale: 1" = 2'-0"

JOHN H. EPPERSON LICENSED KANSAS PROFESSIONAL ENGINEER 531

R. E. SMITH LICENSED KANSAS PROFESSIONAL ENGINEER 436

1/77

B.M. 124.13 0.2' Spike W.S. of P.Pole N.E. Cor. St. Paul & 13th
B.M. 122.76 "a" E.S. Inter. of N.E. Cor. St. Paul & 13th
B.M. 120.23 "a" On N.W. Cor. of Lt. Post N.L. 13th Edwards
B.M. 118.339 Std. S.E. Cor. 13th & Meridian

Scale 1"=20'

PVI 100' V.C. EL. 120.20

PVI 100' V.C. EL. 120.00

-0.523%

-0.628%

-0.191%

-0.160%

Match Exist. Wk.

Wk. 0.5'

Wk. 0.5'-0.8'

Wk. 0.8'

Wk. 0.8'-0.5'

Wk. 0.5'

Wk. 0.6-0.7

Wk. 0.7-0.8'

Wk. 0.8'

Wk. 0.5'

Wk. 1.0'

Wk. 1.0'-0.6'

Wk. 0.6

Wk. 0.6'-1.0'

Wk. 1.0'

ST. PAUL AVE.

Match Dr.

Match Exist. Pavement

Begin Full Crown

13th ST.

Match Drive

Match Drive

G.M.

TIES TO 100N. & ST. PAUL & 13th:
1. 50.00' N. to Nail & St. Paul Pav.
2. 50.00' N.E. to ⊕ on Fnc. of Wk.
3. 50.00' N.W. to ⊕ on Fnc. of Wk.

NOTE: FIELD ENGINEED TO DETERMINE AMOUNT OF DRIVES TO BE REMOVED AND REPLACED.

EARTHWORK QUANTITIES

	PER BERM	CITY	IMPROVE
EXCAVATION	3194 C.Y.	219 C.Y.	22933 C.Y.
10%	319 C.Y.	22 C.Y.	2293 C.Y.
TOTAL	3513 C.Y.	241 C.Y.	25226 C.Y.

JOHN H. EPPERSON LICENSED 531 KANSAS PROFESSIONAL ENGINEER

2/11

THIRTEENTH ST.

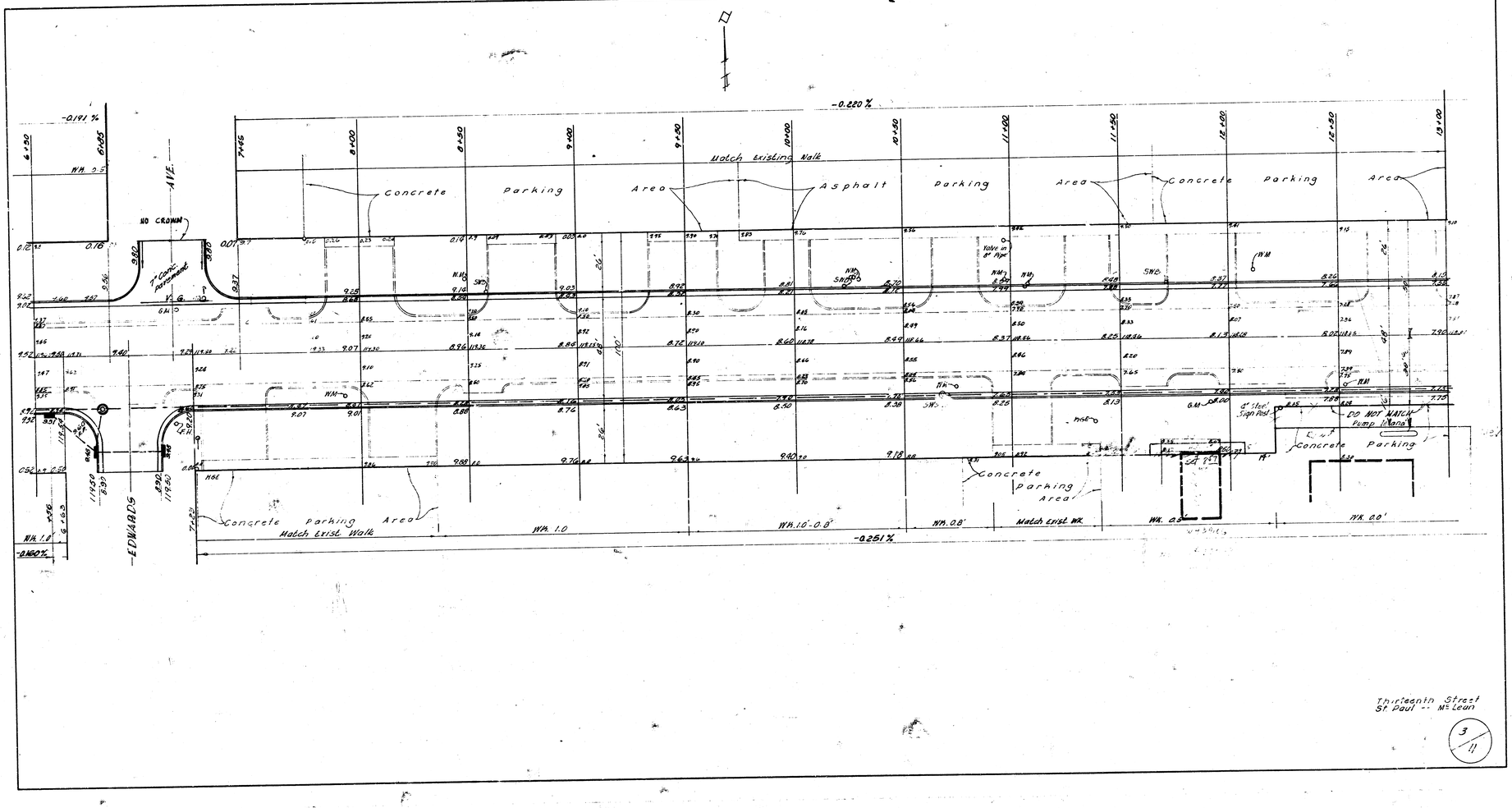
E.L. ST. PAUL - W.L. MERIDIAN BLVD.

26-2-30 A.C. WIDEN TO 48' (8')

CITY OF WICHITA, KANS.

D.E. SMITH CITY ENGINEER

DATE: [illegible] PROJ. NO. C-10-35


-0.191 %
-0.220 %
-0.251 %
-0.160 %
Match existing Walk
Concrete Parking Area
Asphalt Parking Area
Concrete Parking Area
NO CROWN
7" Conc. pavement
EDWARDS AVE.
Valve in 4" Pipe
4" Steel Sign Post
DO NOT WATCH Pump in Manhole
Concrete Parking Area
Match Exist. Walk
Match Exist Wk.
Thirteenth Street
St Paul -- McLean
3/11

B.M. 116.339 Standard S.E. Cor. Meridian & 12th
" 119.01 "X" on East curb St. Clair, 301' N. of Sec. Line 13th.
" 119.95 "X" on West curb Clarence, 501' N. of Sec. Line 13th.
B.M. 124.84 "X" on South curb Big Ark. River Bridge 12ft East of S.W. Cor.

N

Scale: 1"=20'

-0.220%

-0.376%

+0.269%

WK. 10'-0.9' | WK. 0.9' | WK. 0.9-0.8 | WK. 0.8'-2.6' | WK. 0.5' | WK. 0.5'-0.7' | WK. 0.9' | WK. 0.9'-0.7' | WK. 0.7' | WK. 0.7'-0.5'

House # 2422 | House # 2414 | House # 2410 | House # 2408 | House # 2404 | House # 2402

T.I.S. FOR R. MERIDIAN
1.320 N.E. 10" on R. Curb
1.300 S.E. "

Arkansas Avenue

24' Concrete

San Joints

A.V.I. NO V.C. EL. 117.33

24' Conc. Ribbons

Walker Drive

Conc. Pk.

Spruce

Juniper Notes

Valley Drive

Meridian

Standard Bench Mark

Match Exist. Pavement

24' Concrete Drive

Asphalt Pavement

6" Concrete Curb

15' Conc. Drive

Match Slab @ Drive

30' Conc. Drive

Match Slab @ Drive

Concrete Slab

Indian Hills Addition

Match Exist. Wk.

Match Exist. Wk.

P.V.I. NO V.C. EL. 117.21

WK. 0.8'

-0.251%

-0.325%

+0.296%

Meridian

Arkansas Drive

Valley Drive

Concrete Curb

Valley Asphl. Pavement

Match Exist. Pavement

WK. 0.5'

+0.229%

House # 2325

NOTE: INTERSECTION @ MERIDIAN TO BE CONSTRUCTED & OPEN TO NORTH-SOUTH TRAFFIC BEFORE GRADING REMAINDER OF 13th ST. TO EAST-WEST TRAFFIC. INTERSECTION OF 13th ST & PARLEAU BLVD. (PROJ. NO. C.M.-13) TO BE CONCRETE STREET ANGULARLY WITH MERIDIAN INTERSECTION.

Thirteenth Street
St. Paul -- McLeun

4/11

N

St. Clair Avenue

Abbenian Avenue

+0.268 %

-0.168 %

-0.219 %

+0.300 %

-0.242 %

+0.229 %

+0.513 %

House #2400

House #2324

House #2320

House #2318

House #2316

House #2230

House #2315

House #2225

Church (N.W.Cor.)

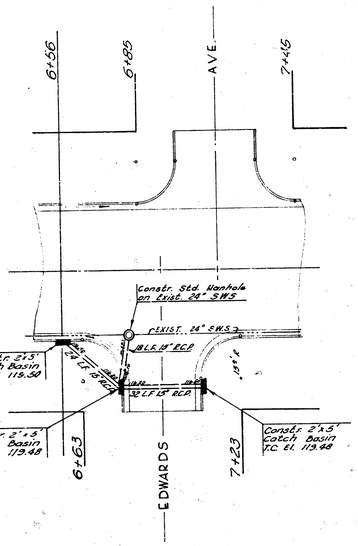
Concrete Stub

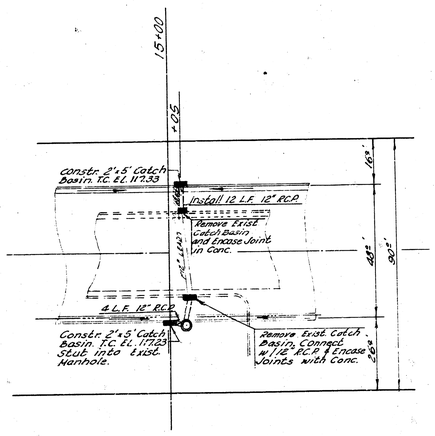
Concrete

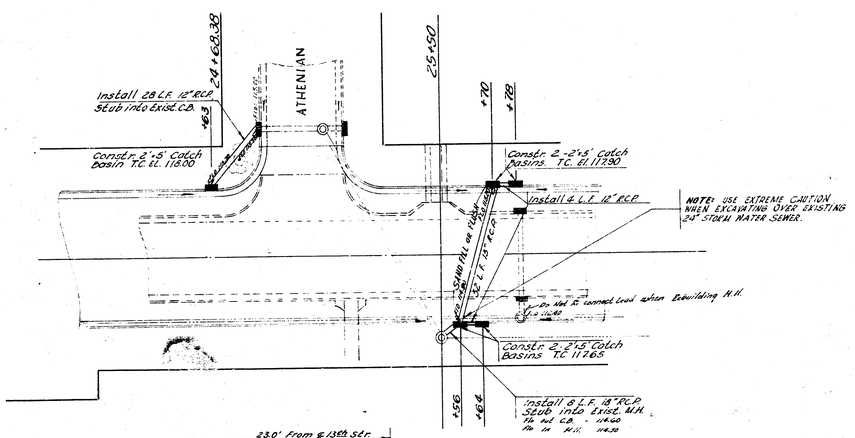
24" Storm Water Sewer

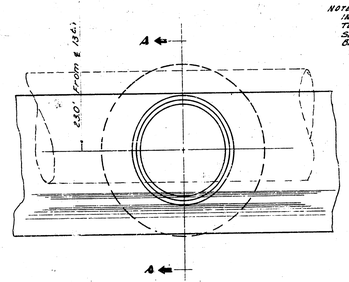
Thirteenth Street
St. Paul, Minn.

5
11



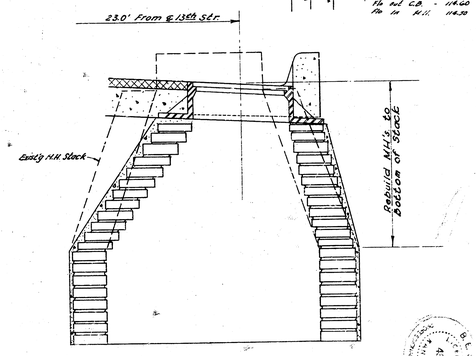






MANHOLE RING LOCATION DETAIL

NOTE: REBUILD MANHOLES ON 24" SEWER AS SHOWN IN SECTION A-A. APPROX. STATIONS OR MH'S TO BE REBUILT: STA 21+56 ; STA 19+60 ; STA. 18+40; STA 21+08 & STA. 25+80 . MANHOLE AT STA 24+68.38 OF EXACT LOCATION OF LOOP IN QUESTION.



SECTION A-A

INCIDENTAL DRAINAGE
13TH ST.
E. L. ST PAUL - W.L. McLEAN
CITY OF WICHITA, KS.
B.E. SMITH CITY ENGINEER
DATE: AUG. '60 PROJ. NO. C10-35

CURVE DATA BASED ON ℄: R=711.54 Δ=16°00'					
STATION	ARC LENGTH	CHORD LENGTH @ N.C.B.	CHORD LENGTH @ S.C.B.	DEFLECTION	TOTAL DEFLECTION
28+81.50				0° 00' 00"	0° 00' 00"
28+94.02	12.52	13.09	11.96	0° 30' 15"	0° 30' 15"
29+22.21	28.19	29.46	26.92	1° 08' 06"	1° 38' 21"
29+41.81	19.60	20.48	18.72	0° 47' 21"	2° 25' 41"
29+86.13	44.32	46.31	42.32	1° 47' 08"	4° 12' 35"
30+00	13.87	14.49	13.24	0° 33' 33"	4° 46' 14"
30+25	25.00	26.13	23.87	1° 00' 28"	5° 46' 39"
30+50	25.00	26.13	23.87	1° 00' 28"	6° 47' 08"
30+80.20	30.20	31.55	28.84	1° 12' 57"	8° 00' 05"