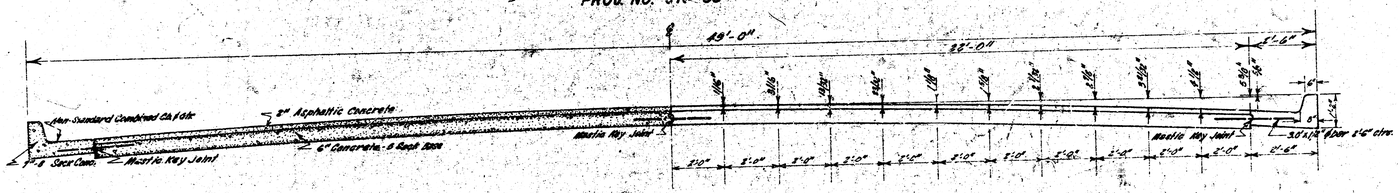
THIRTEENTH STREET

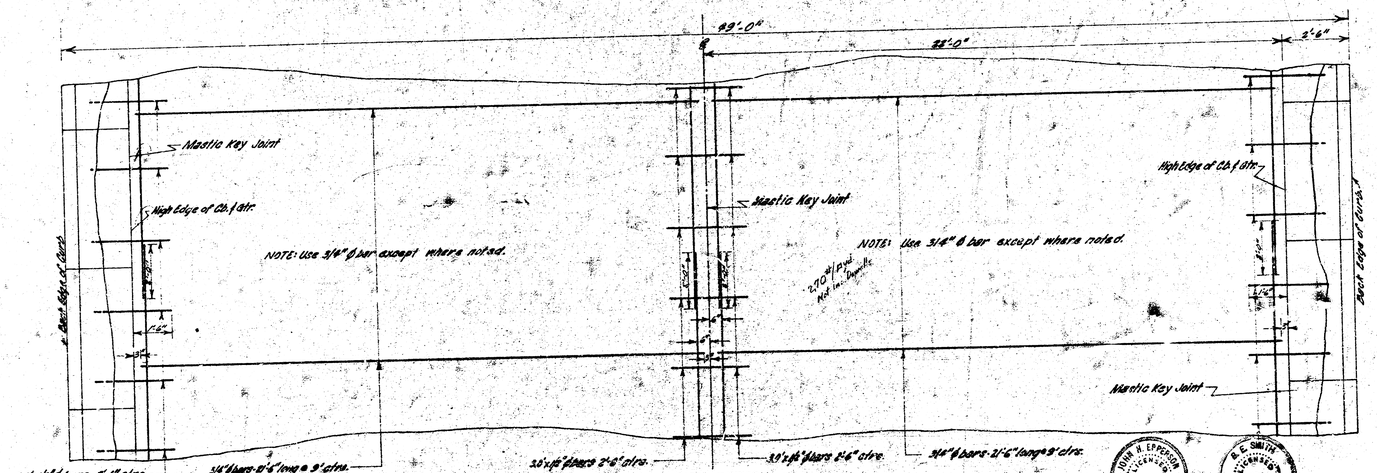
E.L. ST. PAUL AVE. --- W.L. McLEAN BLVD.

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 531 PROFESSIONAL ENGINEER

R. E. SMITH LICENSED KANSAS 436 PROFESSIONAL ENGINEER

1/11

B.M. 124.13 0.2' Spike W.S. of P.Pole N.E. Cor. St. Paul & 13th
B.M. 122.76 "0" E.S. Inter. of N.E. Cor. St. Paul & 13th
B.M. 120.23 -0.1' 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

-0.523%

Match Exist. WK. | WK. 0.5' | WK. 0.5'-0.8' | WK. 0.8' | WK. 0.8'-0.5' | WK. 0.5'

-0.191%

1+00 | 1+50 | 2+00 | 2+50 | 3+00 | 3+50 | 4+00 | 4+50 | 5+00 | 5+50 | 6+00 | 6+50

Match Dr.

Match Exist. Pavement

Begin Full Crown

13th

ST.

ST. PAUL AVE.

MEEK DRIVE

MEEK Drive

G.M.

WH. 0.6-0.7 | WK. 0.7-0.8' | WK. 0.8' | WK. 0.5' | WH. 1.0' | WH. 1.0'-0.6' | WK. 0.6 | WK. 0.6'-1.0' | WK. 1.0'

-0.628%

-0.160%

PVI 100' V.C. EL. 120.00

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

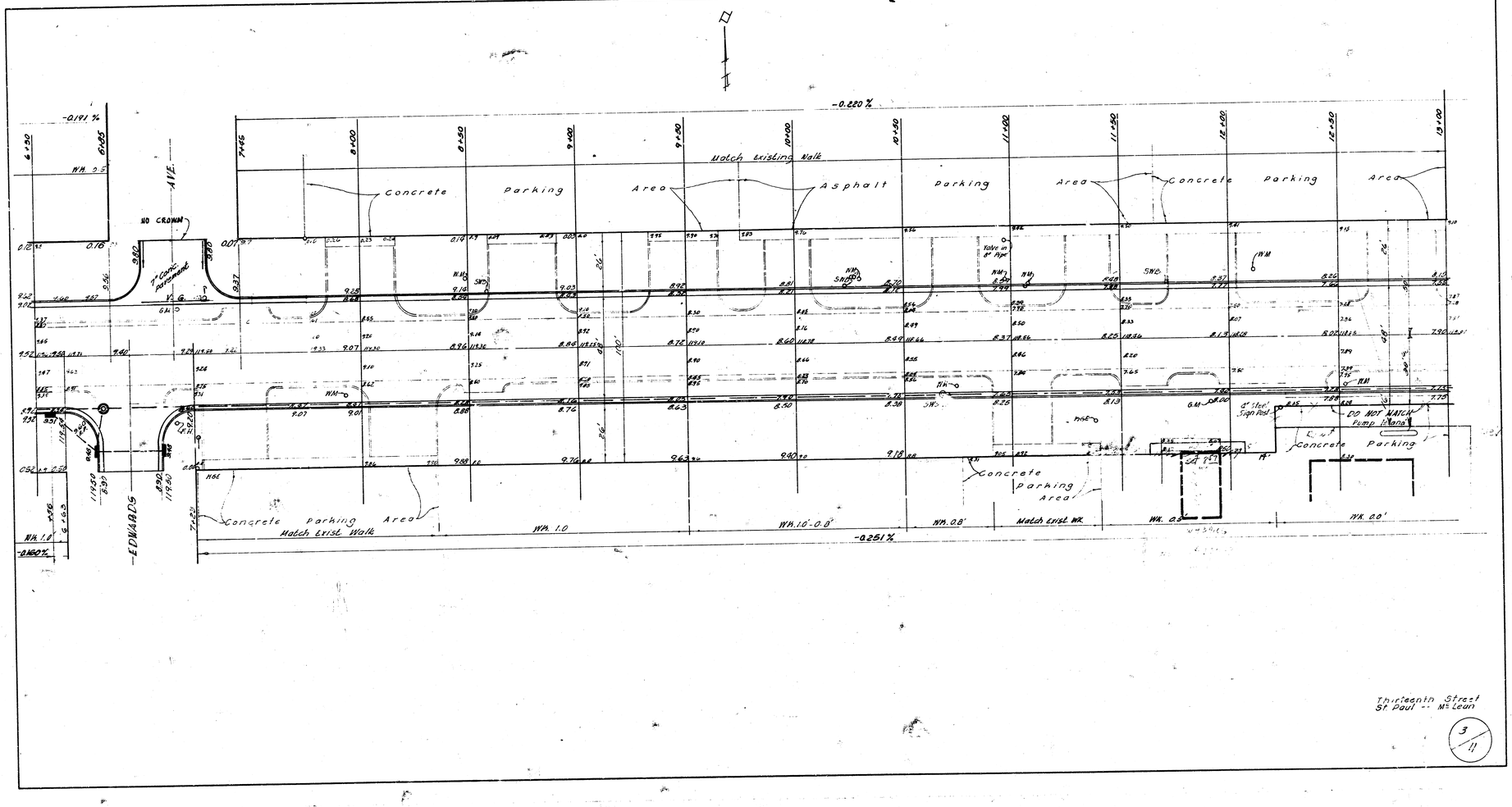
	PER PERMIT	CITY	IMPROVE
EXCAVATION	31944 C.Y.	219 C.Y.	22933 C.Y.
+10%	3194 C.Y.	21 C.Y.	2293 C.Y.
TOTAL	35138 C.Y.	240 C.Y.	25226 C.Y.

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 "+" on East curb St. Clair, 301' N. of Sec. Line 13th.
" 119.95 "+" on West curb Clarence, 501' N. of Sec. Line 13th.
B.M. 124.84 "+" 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

House # 2423

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

T.I.S. FOR R. MERIDIAN
1,320 N.E. 10ft on R. Curb
1,320 S.E. "

Arkansas Avenue

Stake Correct

San Joints

Meridian Drive

Harlem Drive

Valley Drive

Wood Drive

24' Conc. Pavement

12" Conc. Ribbons

12" Lead

Standard Bench Mark

24' Concrete Drive

Asphalt Pavement

Match Exist. Pavement

4" Concrete Curb

15' Conc. Drive

Match Slab @ Drive

30' Conc. Drive

Match Slab @ Drive

Concrete Slab

Indian Hills Addition

Match Exist Wk.

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

-0.251%

-0.325%

+0.296%

Meridian

Arkansas Avenue

Concrete Curb & Gutter

Valley Gutter

Patched Joints

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. & HARLEM BLVD. (PART. NO. C.I.P.-13) TO BE CONCRETE STREET ANGULARLY WITH MERIDIAN INTERSECTION.

Thirteenth Street
St. Paul -- McLeun

4/11

N

-0.168 %

+0.268 %

St. Clair Avenue

Abbenian Avenue

-0.219%

+0.300%

P.V.I. 20' V.C. El. 117.90

House #2400

House #2324

House #2320

House #2318

House #2316

House #2230

House #2315

House #2225

House

Church (N.W.Cor.)

Concrete Stub

Concrete

Watch Dr.

Warren Dr.

24" Storm Water Sewer

P.V.I. 100' V.C. El. 118.89

P.V.I. 20' V.C. El. 117.45

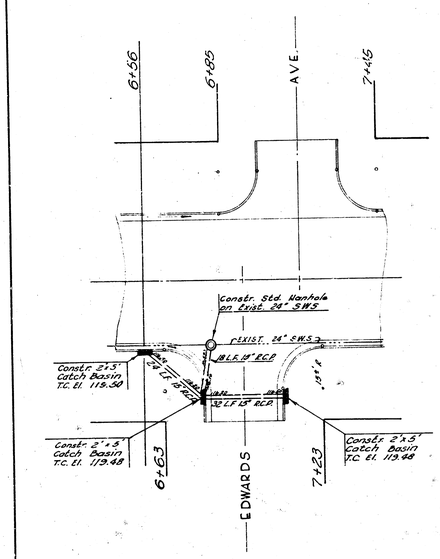
-0.242 %

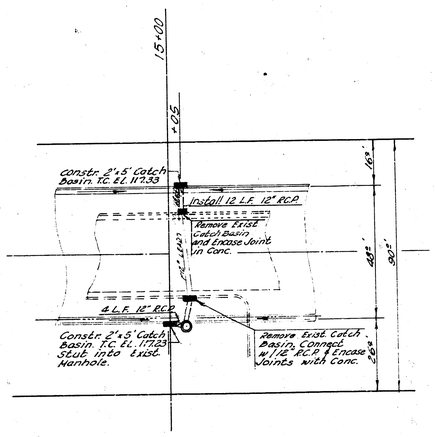
+0.229%

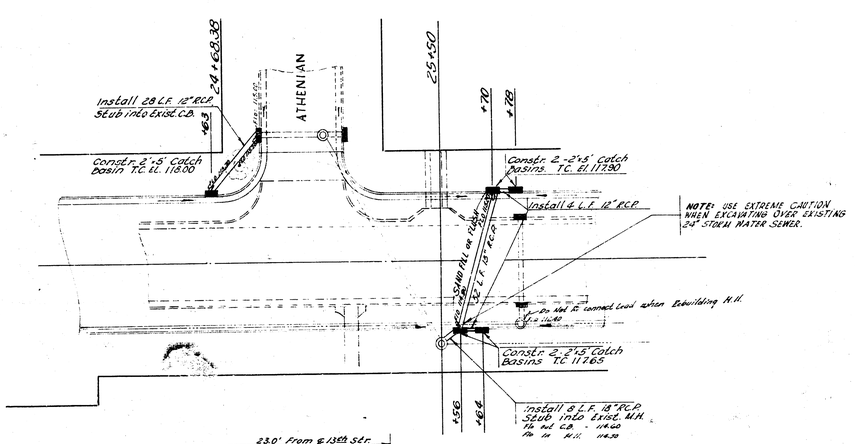
+0.513%

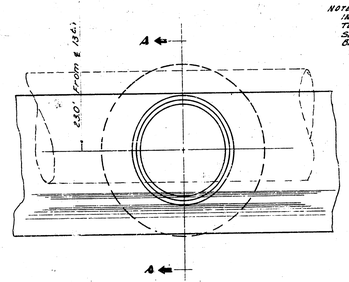
Thirteenth Street
St. Paul - Minn.

5
11



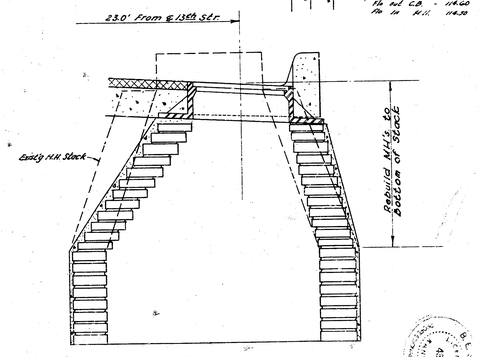






MANHOLE RING LOCATION DETAIL

NOTE: REBUILD MANHOLES ON 24" SEWER AS SHOWN IN SECTION A-A. ZERO OR STATION ON MH'S TO BE REBUILT: STA 21+56 ; STA 19+60 ; STA. 18+40; STA 21+08 & STA. 25+80. MANHOLE AT STA 18+96.70 BE EXACT STATION OF CURB IP INTERSECT.



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	31.56	28.84	1° 12' 57"	8° 00' 05"

