PIATT AVE. MINI PARK

PLANS FOR

STORM DRAIN

APRIL 1973

BOARD OF PARK COMMISSIONERS

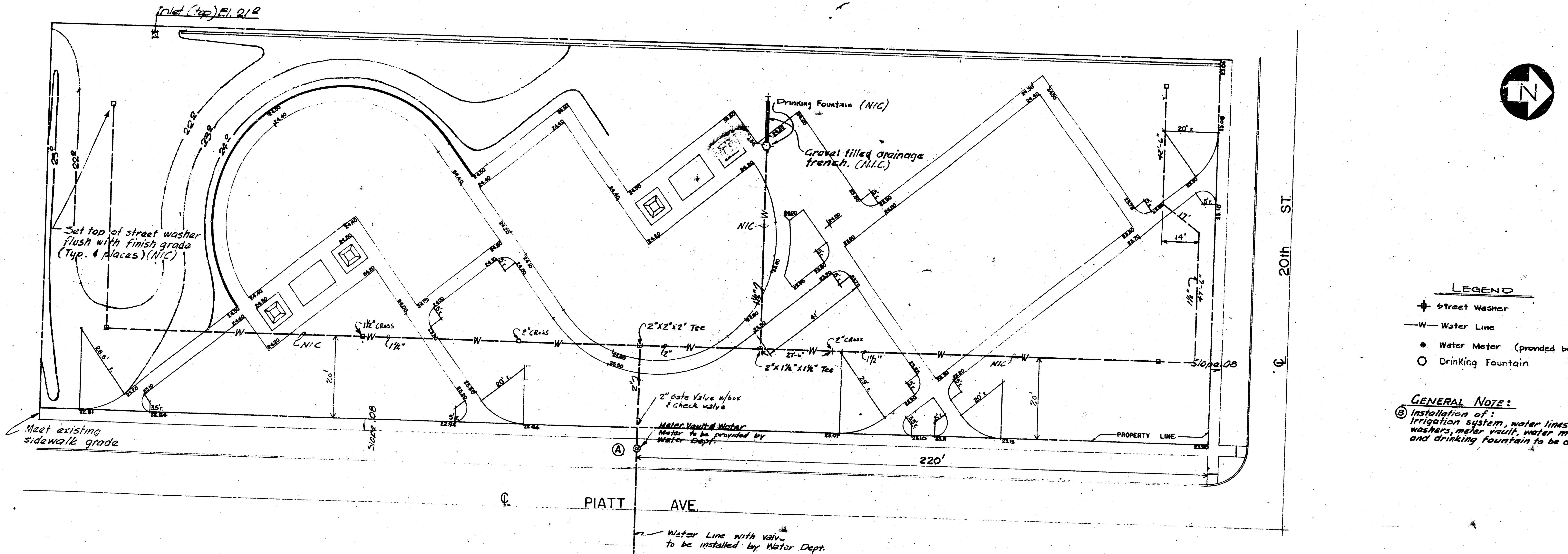
CITY OF WICHITA, KANSAS

APPROVED

DIRECTOR

PARK BOARD ENGINEER

THEODORE R. FENSKE
3778

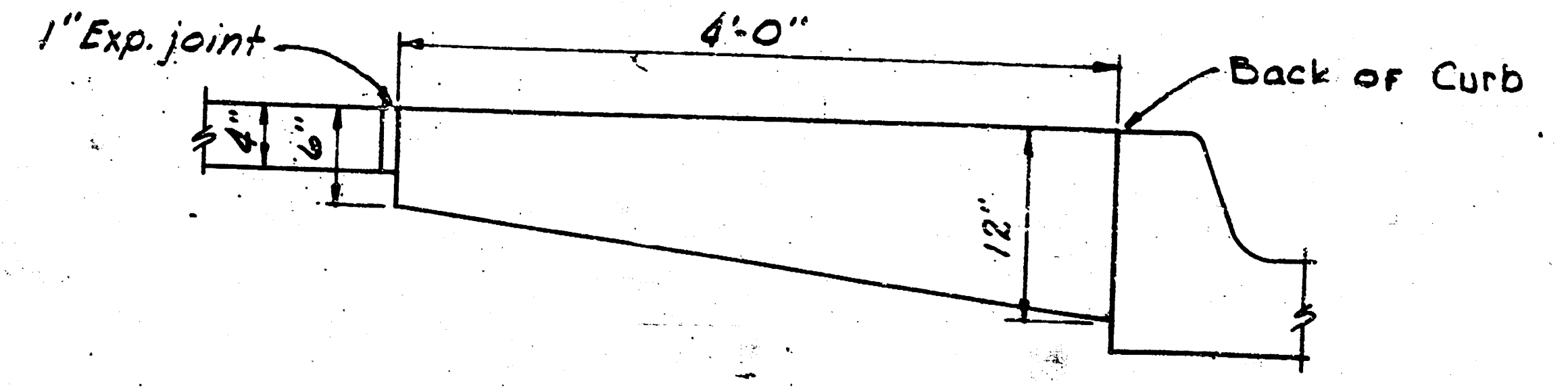

Inlet (top) El. 21.0
23.0
22.0
22.0
23.0
24.0
Set top of street washer flush with finish grade (Typ. 4 places) (NIC)
Meet existing sidewalk grade
28.5' r.
3.5' r.
5' r.
20' r.
29' r.
NIC
1½" CROSS
1½"
2" CROSS
2"X2"X2" Tee
2"
2" Gate Valve w/box & check valve
Meter Vault & Water Meter to be provided by Water Dept.
Ⓐ
Slope .08
20'
Drinking Fountain (NIC)
Gravel filled drainage trench. (N.I.C.)
NIC
1½"
41'
27'-6"
2"X1½"X1½" Tee
2" CROSS
1½"
PROPERTY LINE
220'
20' r.
17'
14'
42'-6"
47'-6"
Slope .08
20th ST.
℄
℄ PIATT AVE.
Water Line with valve to be installed by Water Dept.
Existing 8" City water main

LEGEND

- ╪ Street Washer
- —W— Water Line
- ● Water Meter (provided by Water Dept.)
- ○ Drinking Fountain

GENERAL NOTE:

Ⓑ Installation of:
Irrigation system, water lines, street washers, meter vault, water meter and drinking fountain to be done by others.


1" Exp. joint
4'-0"
Back of Curb
4"
6"
12"

STANDARD SECT. AT INTERSECTION

No SCALE

DATE	BY	REMARKS
8-22-72	R.P.	AS CONST. WATER LINES
7-12-72	T.F.	Ⓑ WATER LINES (NIC)
7-11-72	T.F.	Ⓐ WATER METER VAULT

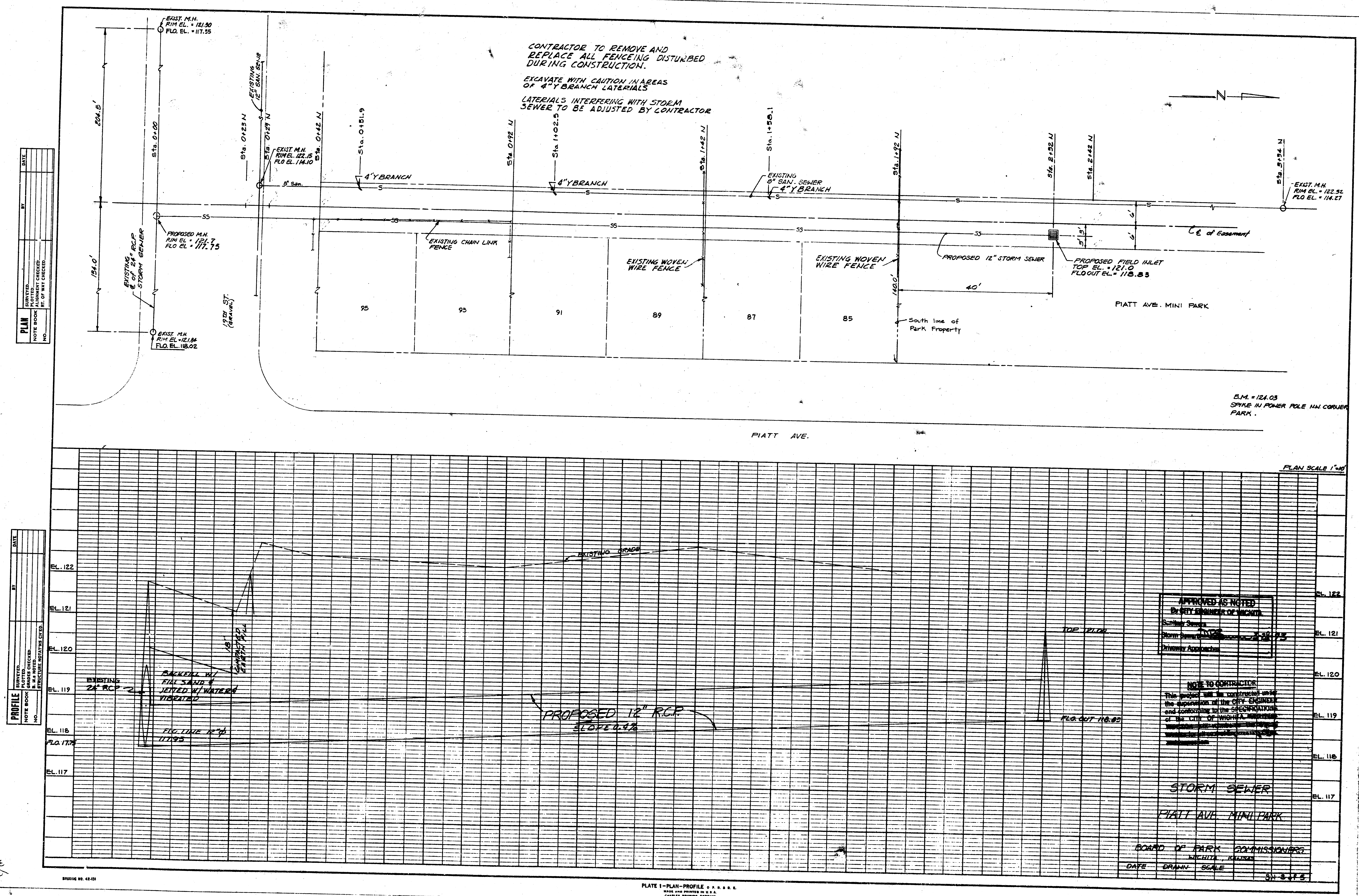
REVISION

GRADES & UTILITY PLAN

PIATT AVE. MINI PARK

BOARD OF PARK COMMISSIONERS
WICHITA, KANSAS

DATE	DRAWN	SCALE	
5-3-71	R.L.P.	1" = 20'	SH 2 of 5


PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE
EXIST. M.H.
RIM EL. = 121.30
FLO. EL. = 117.55
204.5'
134.0'
Sta. 0+00
EXISTING ℄ of 24" R.C.P. STORM SEWER
PROPOSED M.H.
RIM EL = 121.7
FLO EL = 117.75
EXIST. M.H.
RIM EL = 121.84
FLO. EL. 118.02
19TH ST. (GRAVEL)
EXISTING 12" SAN. SEWE
Sta. 0+23 N
Sta. 0+29 N
EXIST. M.H.
RIM EL. 122.15
FLO EL. 114.10
8" San.
Sta. 0+42 N
Sta. 0+51.9
4" Y BRANCH
Sta. 0+92 N
Sta. 1+02.5
4" Y BRANCH
Sta. 1+42 N
Sta. 1+58.1
EXISTING 8" SAN. SEWER
4" Y BRANCH
Sta. 1+92 N
Sta. 2+32 N
Sta. 2+42 N
Sta. 3+34 N
EXIST. M.H.
RIM EL. = 122.32
FLO EL. = 114.27
S
SS
EXISTING CHAIN LINK FENCE
EXISTING WOVEN WIRE FENCE
EXISTING WOVEN WIRE FENCE
95
93
91
89
87
85
140.0'
40'
South line of Park Property
PROPOSED 12" STORM SEWER
PROPOSED FIELD INLET
TOP EL. = 121.0
FLO OUT EL. = 118.83
3'
3'
6'
6'
℄ of Easement
N
PIATT AVE. MINI PARK
PIATT AVE.
PLAN SCALE 1" = 10'
PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
B. M.s NOTED
STRUCTURE NOTAT'NS CH'KD.
BY
DATE
EL. 122
EL. 121
EL. 120
EL. 119
EL. 118
FLO. 17.75
EL. 117
EXISTING 24" RCP
BACKFILL W/ FILL SAND & JETTED W/ WATER & VIBRATED
18"
COMPACTED EARTH FILL
FLO. LINE 12" ⌀ 117.95
EXISTING GRADE
PROPOSED 12" R.C.P.
SLOPE 0.4%
TOP 121.00
FLO. OUT 118.83
EL. 122
EL. 121
EL. 120
EL. 119
EL. 118
EL. 117

CONTRACTOR TO REMOVE AND REPLACE ALL FENCEING DISTURBED DURING CONSTRUCTION.

EXCAVATE WITH CAUTION IN AREAS OF 4" Y BRANCH LATERIALS

LATERIALS INTERFERING WITH STORM SEWER TO BE ADJUSTED BY CONTRACTOR

B.M. = 124.03
SPIKE IN POWER POLE N.W. CORNER PARK.

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers
Storm Sewers DVB 2-28-73
Driveway Approaches

NOTE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA [illegible]

STORM SEWER

PIATT AVE. MINI PARK

BOARD OF PARK COMMISSIONERS
WICHITA, KANSAS

DATE DRAWN SCALE

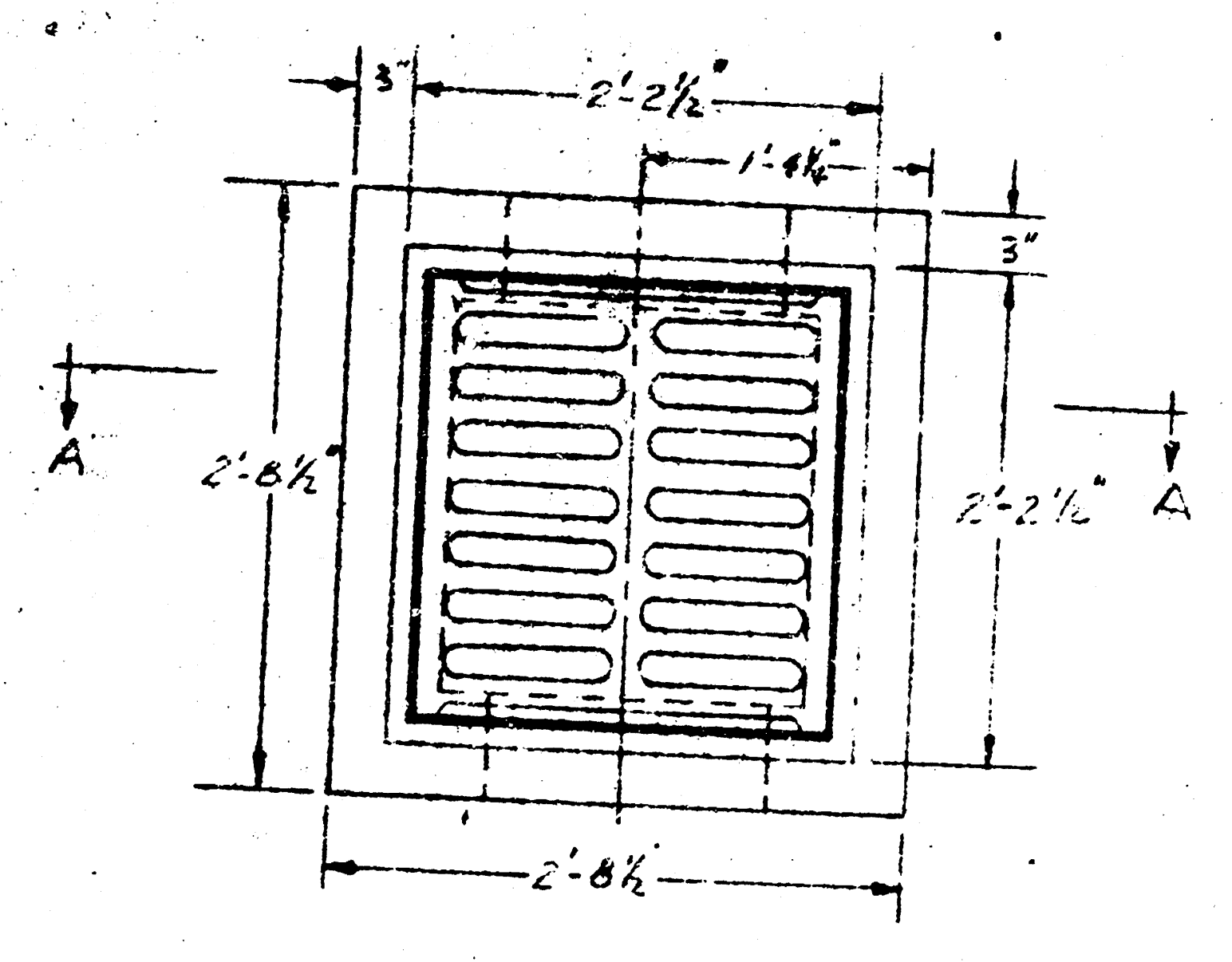
SH 3 of 5

3/3

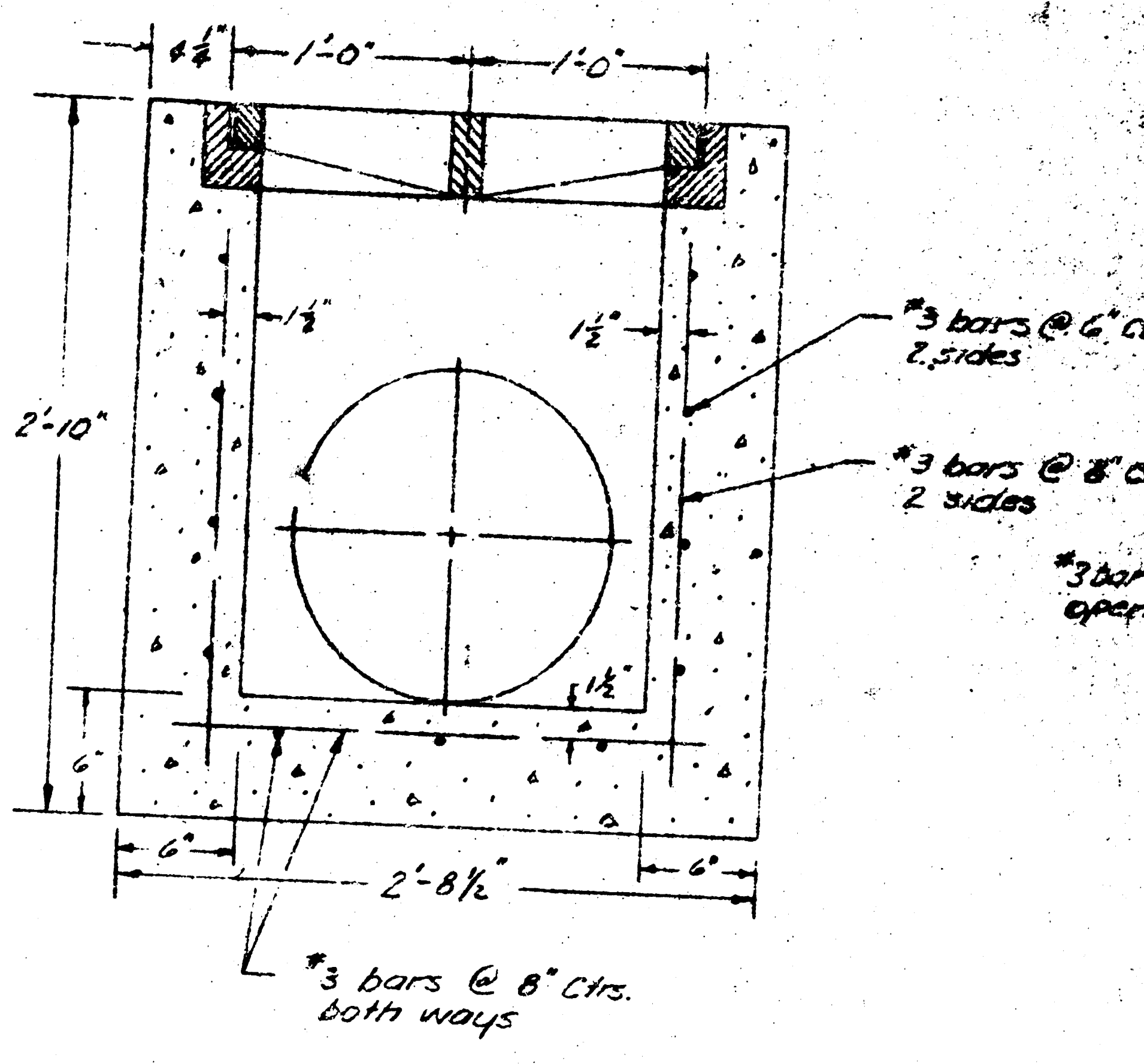
BRUNING NO. 43-131

PLATE 1-PLAN-PROFILE O. P. R. & R. E.
MADE AND PRINTED IN U.S.A.
CHARLES BRUNING COMPANY

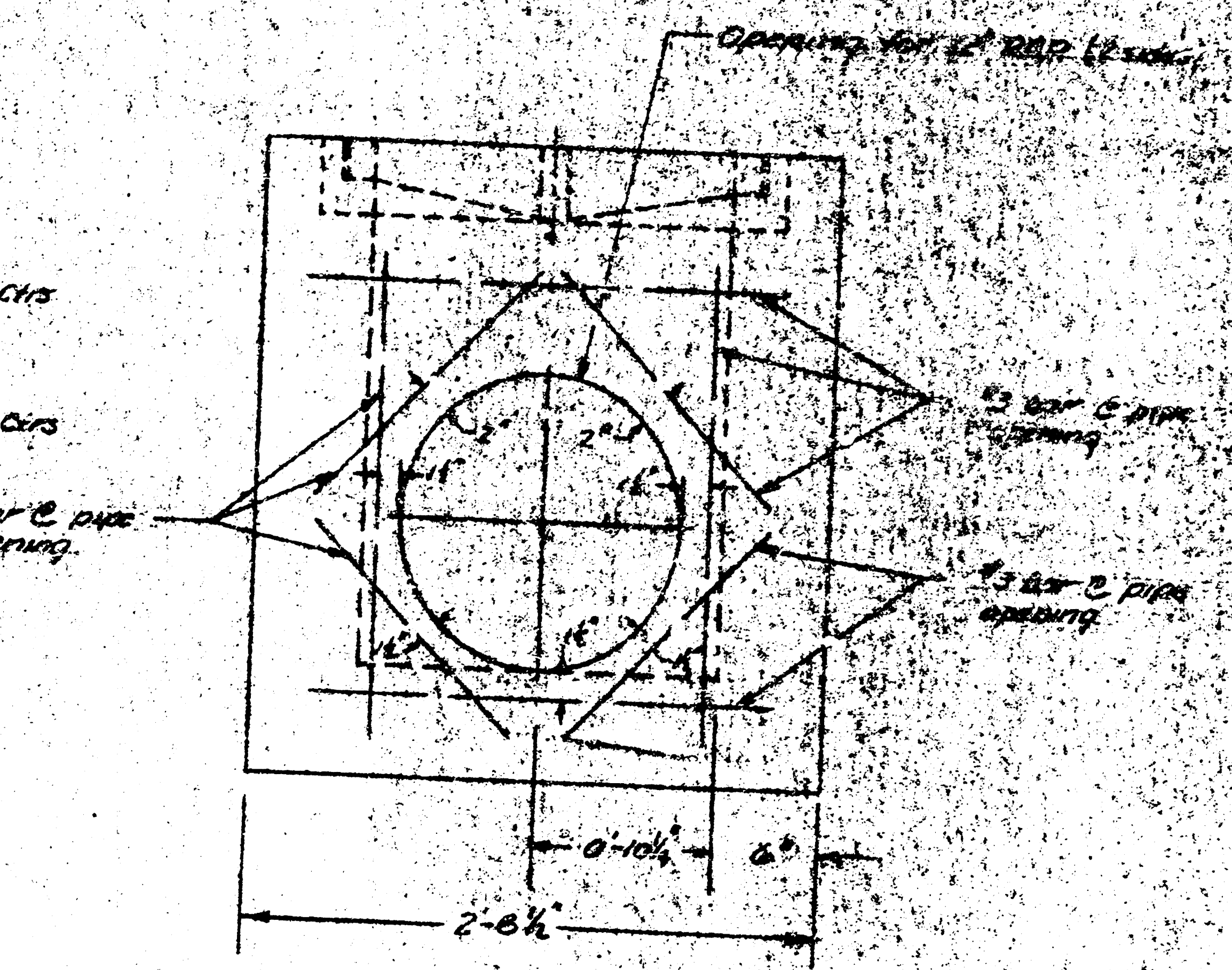
FILMED FROM THE BEST


3"
2'-2½"
1'-4½"
3"
A
2'-8½"
2'-2½"
A
2'-8½"

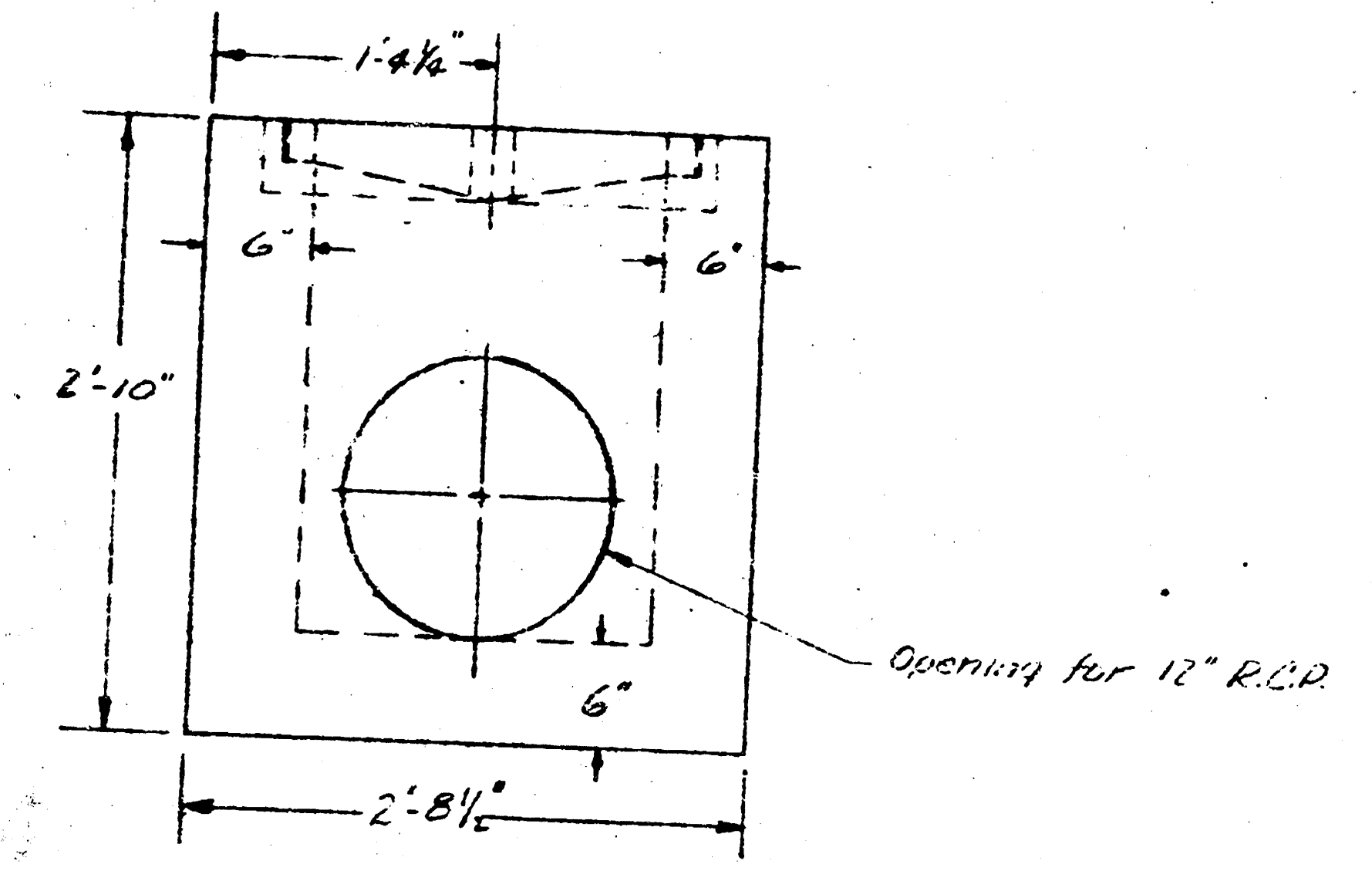
PLAN VIEW
Scale: 1" = 1'-0"


4¼"
1'-0"
1'-0"
2'-10"
1½"
1½"
#3 bars @ 6" Ctrs 2 sides
#3 bars @ 8" Ctrs 2 sides
1½"
6"
6"
2'-8½"
6"
#3 bars @ 8" Ctrs. both ways

SECTION A-A
Scale: 1½" = 1'-0"


Opening for 12" RCP (2 sides)
#3 bar @ pipe opening
#3 bar @ pipe opening
#3 bar @ pipe opening
2"
2"
1"
1"
1"
1"
0'-10¼"
6"
2'-8½"

WALL SECTION AT PIPE OPENING
Scale: 1½" = 1'-0"


1'-4½"
6"
6"
2'-10"
Opening for 12" R.C.P.
6"
2'-8½"

SIDE VIEW
Scale: 1" = 1'-0"

NOTE: Chamfer all exposed edges with a ¼" bevel or radius.
All walls and floor 6" concrete.
Cast iron grate and frame to be part no. 400 G / 405 LF as manufactured by Western Iron and Foundry Co. of Wichita, Kansas, or equivalent.
Slope bottom for proper drainage to outlet.

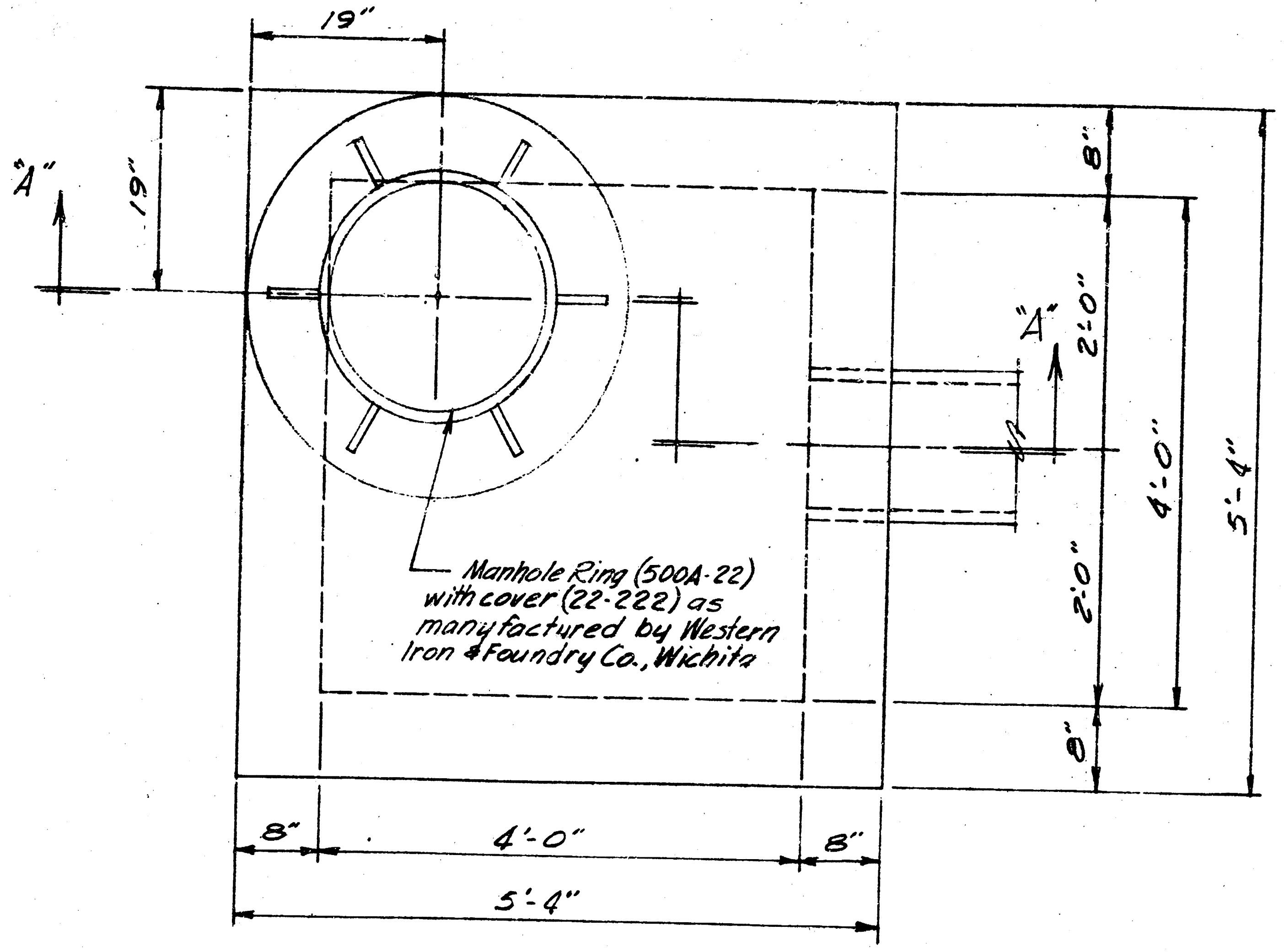
APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers
Storm Sewers
Driveway Approaches
8-24-73

FIELD INLET

[illegible] AVE. MINI PARK

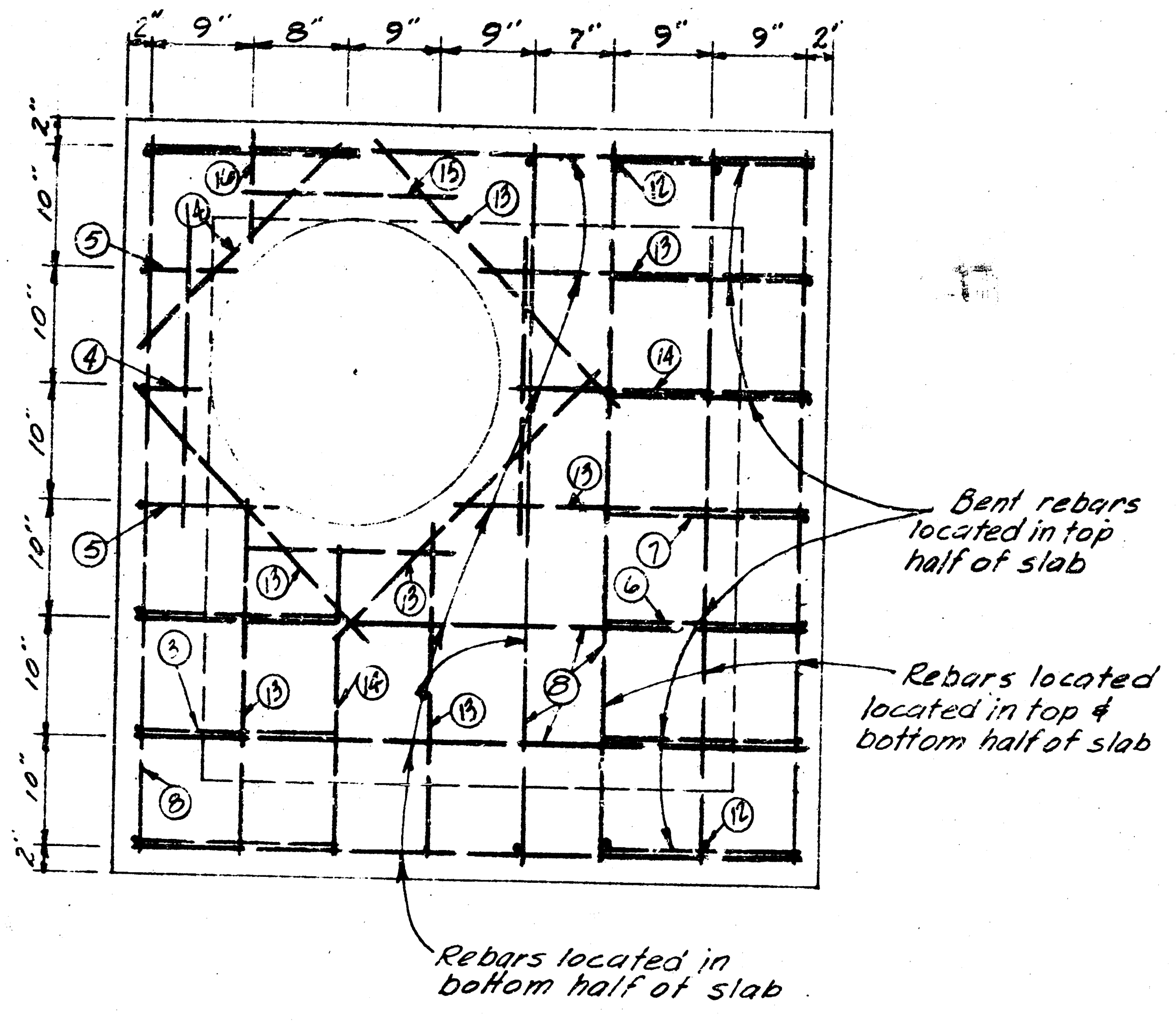
4 of 5

FILMED FROM THE BEST


19"
"A"
19"
8"
2'-0"
4'-0"
5'-4"
2'-0"
8"
8"
4'-0"
8"
5'-4"
Manhole Ring (500A-22) with cover (22-222) as manufactured by Western Iron & Foundry Co., Wichita

PLAN VIEW

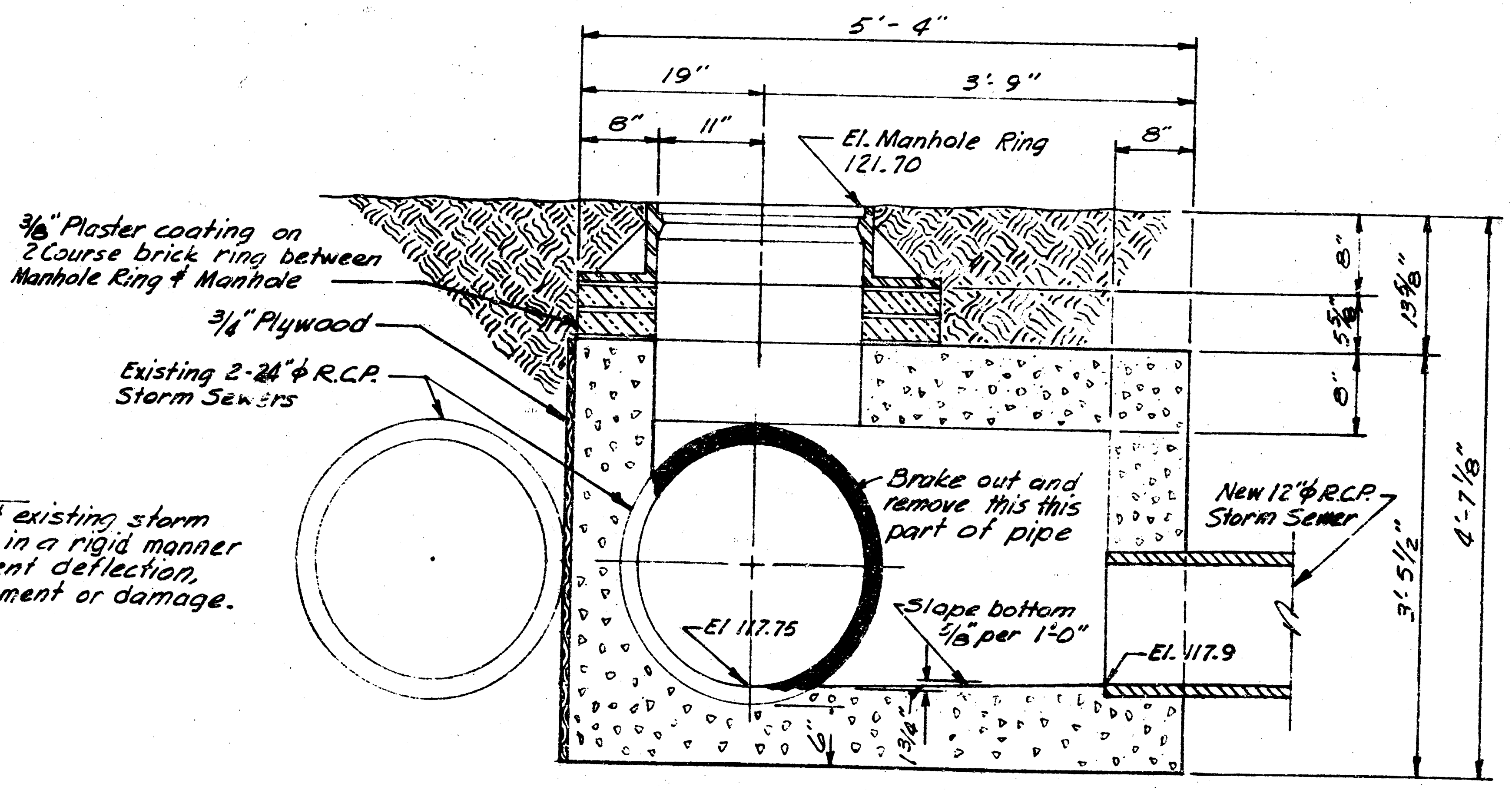
Scale 1"=1'-0"


2" 9" 8" 9" 9" 7" 9" 9" 2"
2" 10" 10" 10" 10" 10" 10" 2"
⑯ ⑮ ⑬ ⑫ ⑭ ⑤ ⑬ ④ ⑭ ⑬ ⑤ ⑦ ⑬ ⑬ ⑥ ③ ⑬ ⑭ ⑬ ⑧ ⑧ ⑫
Bent rebars located in top half of slab
Rebars located located in top & bottom half of slab
Rebars located in bottom half of slab

TOP SLAB

REBAR SCHEDULE

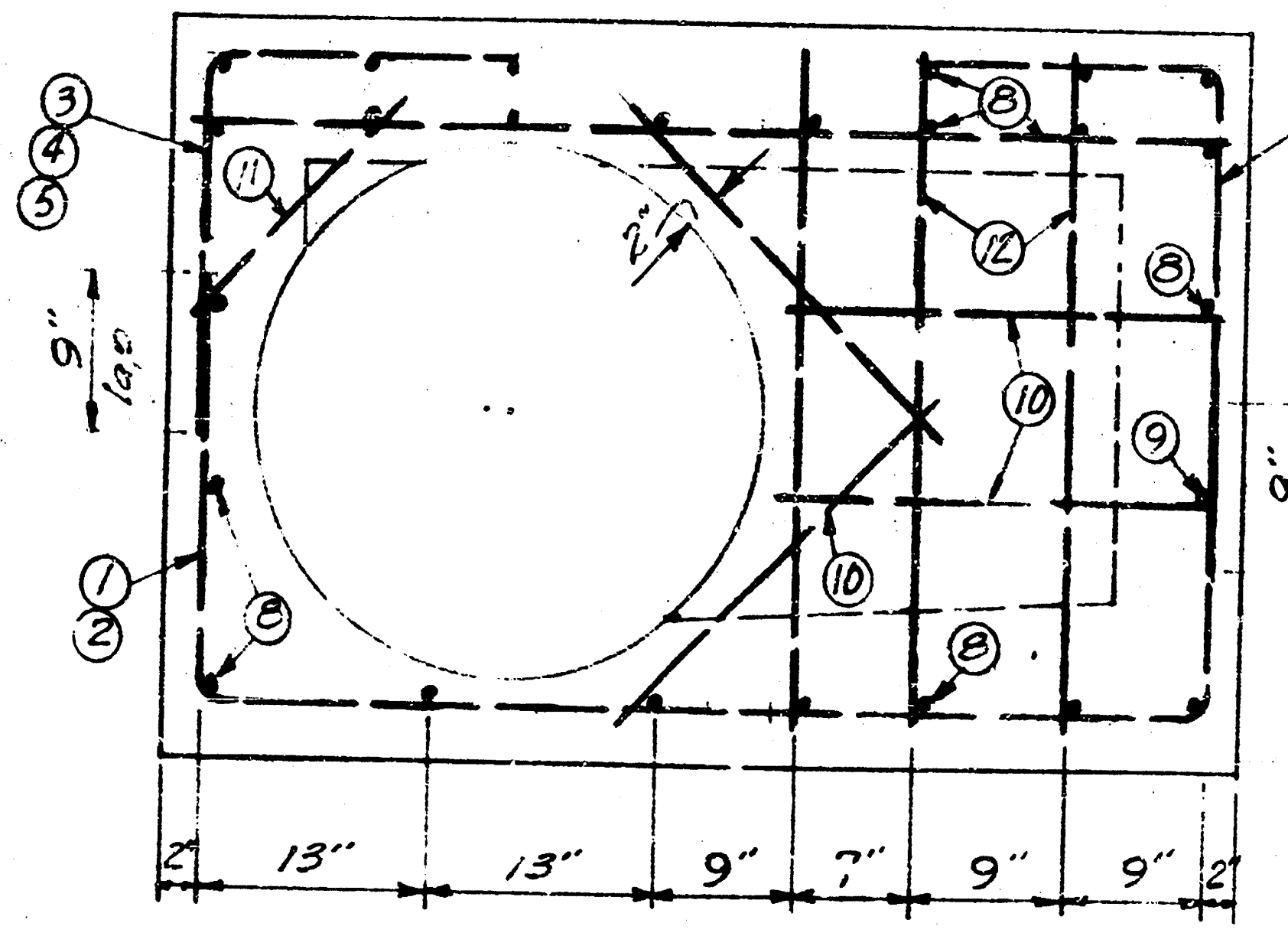
No.	Size	Quanity	Shape	Location
1	#4	6	2'-0" 5'-0" 1'-6"	Bottom Slab
2	#4	1	2'-0" 5'-0" 4"	Bottom Slab
3	#4	4	1'-9" 1'-6"	Lt. wall & top slab
4	#4	2	1'-9" 10"	Lt. wall & top slab
5	#4	1	1'-9" 6"	Lt. wall & top slab
6	#4	6	1'-6" 2'-4"	Rt. wall & top slab
7	#4	1	1'-2" 1'-3"	Rt. wall & top slab
8	#4	23	Straight 5'-2"	(5) Bottom (5) Left wall (9) Top slab (4) Right wall
9	#4	6	Straight 1'-9"	Right wall
10	#4	8	Straight 2'-2"	2 End walls
11	#4	2	Straight 1'-6"	2 End walls
12	#4	6	Straight 3'-2"	2 End walls
13	#4	7	Straight 2'-6"	Top slab
14	#4	3	Straight 2'-3"	Top slab
15	#4	4	Straight 1'-6"	Top slab
16	#4	1	Straight 9"	Top Slab


5'-4"
19"
3'-9"
8"
11"
8"
El. Manhole Ring 121.70
3/8" Plaster coating on 2 Course brick ring between Manhole Ring & Manhole
3/4" Plywood
Existing 2-24"φ R.C.P. Storm Sewers
Brake out and remove this this part of pipe
New 12"φ R.C.P. Storm Sewer
El 117.75
Slope bottom 5/8" per 1'-0"
El. 117.9
13/4"
8"
5 5/8"
8"
13 5/8"
3'-5 1/2"
4'-7 1/8"

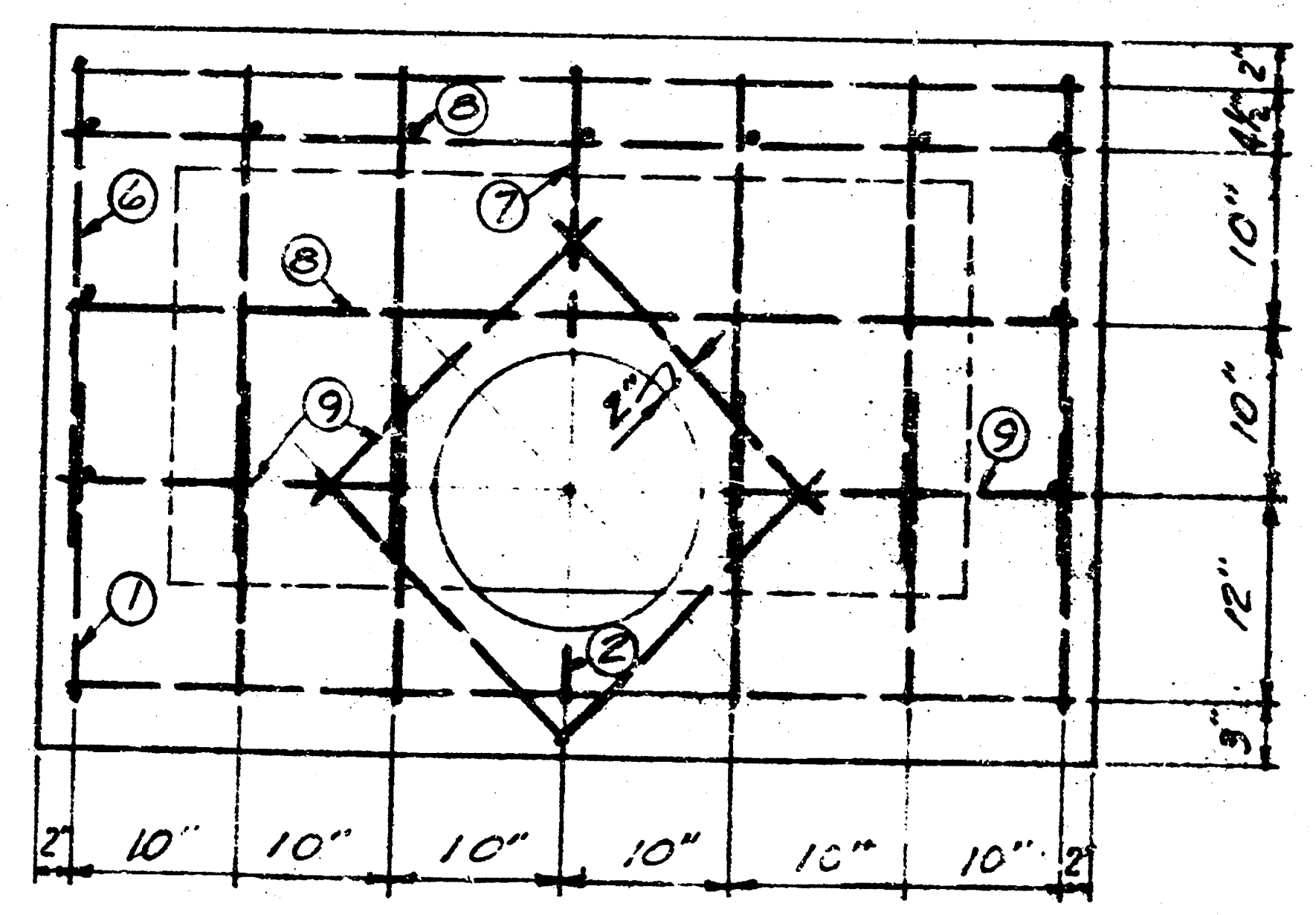
NOTE:
Support existing storm sewers in a rigid manner to prevent deflection, misalignment or damage.

SECTION A-A

Scale 1"=1'-0"


③ ④ ⑤ ⑪ ⑧ ⑥ ⑦ ⑫ ⑧ ⑩ ⑨ ⑩ ① ② ⑧ ⑧
2"
9" lap
9" lap
2" 13" 13" 9" 7" 9" 9" 2"

END WALLS (2)


⑧ ⑥ ⑦ ⑧ ⑨ ⑨ ① ②
2"
2" 4 1/2" 10" 10" 12" 3"
2" 10" 10" 10" 10" 10" 10" 2"

SIDE WALLS

REINFORCEMENT DETAILS

Scale 1"=1'-0"

NOTE:
1. R.C.P. sewer line omitted for clearness.

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers
Storm Sewers DRB 3-28-73
Driveway Approaches

REINFORCED CONCRETE MANHOLE

PIATT AVE. MINI-PARK

BOARD OF PARK COMMISSIONERS

Date	Drawn By	Scale	
9-27-73	T.R.F.	Noted	SH 5 of 5