

SCALE 1" = 20'

REVISION NO. 203
DATE 10/1/74

BIG ARKANSAS RIVER

CAUTION
UNDERGROUND
UTILITIES

Install approximately 6" L.F. fence
along this line conforming to
parking lot elevations.

NOTE: CONTRACTOR SHALL REMOVE LIGHT POLES AND FIXTURES IN
FIRST STREET RIGHT-OF-WAY ALONG THE WEST, AND
NORTH SIDES OF THE PARKING LOT. LIGHT POLES AND FIXTURES
SHALL BE REINSTALLED BY CONTRACTOR ALONG THE SOUTH RIGHT-
OF-WAY LINE OF FIRST STREET BETWEEN THE RIVER AND WACO
USING APPROXIMATELY THE SAME SPACING AS IN THEIR ORIGINAL
LOCATION. LIGHT POLES ARE TO BE INSTALLED ON THE SOUTH
SIDE OF THE RETAINING WALL WHICH IS TO BE CONSTRUCTED
ALONG THE SOUTH RIGHT-OF-WAY LINE OF FIRST STREET BETWEEN
THE RIVER AND WACO.

"LIGHT POLES"
Existing 6" steel poles w/ double flood lights
over head electrical wiring circuit.

Remove existing 6" high chain link fence,
light poles, and fixtures. Re-install as
indicated on plans and deliver all excess material
to the ROADVIEW HOTEL as directed by
the engineer.

FIRST

STREET

AVE

WACO

Salvage 6" chain link fence
& install in top of retaining
wall

Light pole
Installation

Light pole
Installation

Light pole
Installation

Light pole
Installation

Light pole
Installation

CONSTRUCT 379 L.F. T-TYPE RETAINING WALL

REMOVAL
EXISTING LIGHT
POLE & FIXTURE

Squ. remove and replace asphalt parking
lot as necessary to facilitate construction
of retaining wall. Removing and replacing
of asphalt will not be paid directly and this
cost shall be considered as subsidiary to
the other items of work.

"LIGHT POLE INSTALLATION"
Lump sum bid for removing and replacing
flood lights is to include all necessary
materials and costs to re-install existing
lights in place as shown on plans.
The electrical system shall conform to the
CITY OF WICHITA electrical code.
8 light fixtures removed
& replaced.

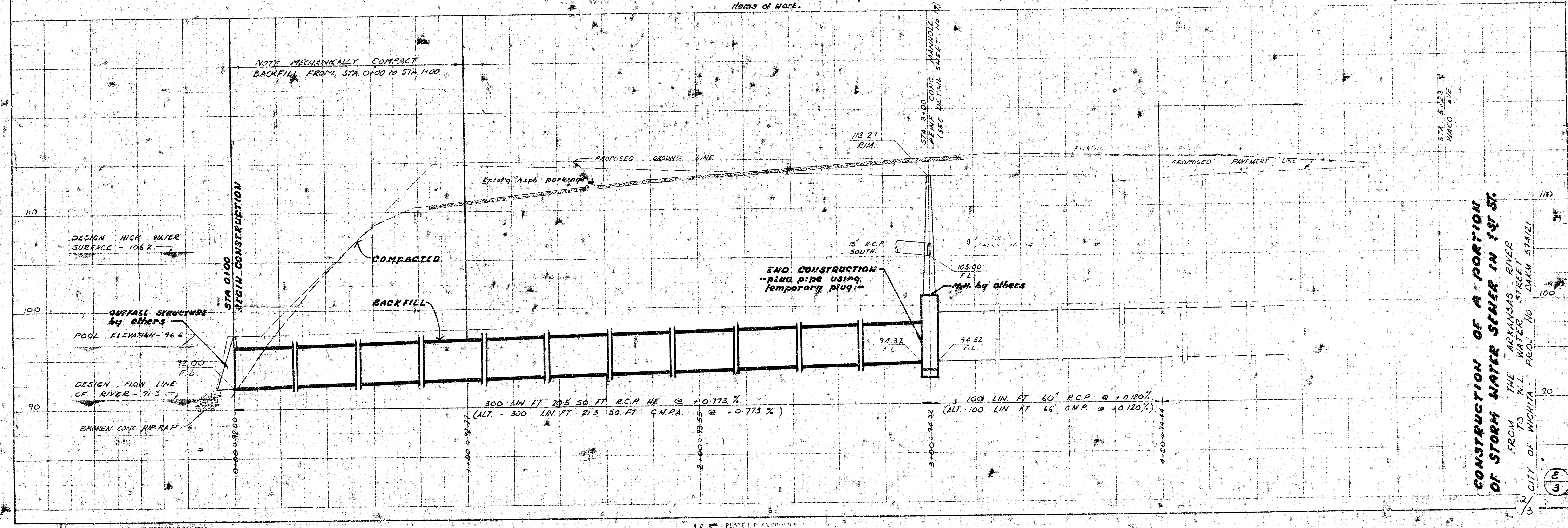
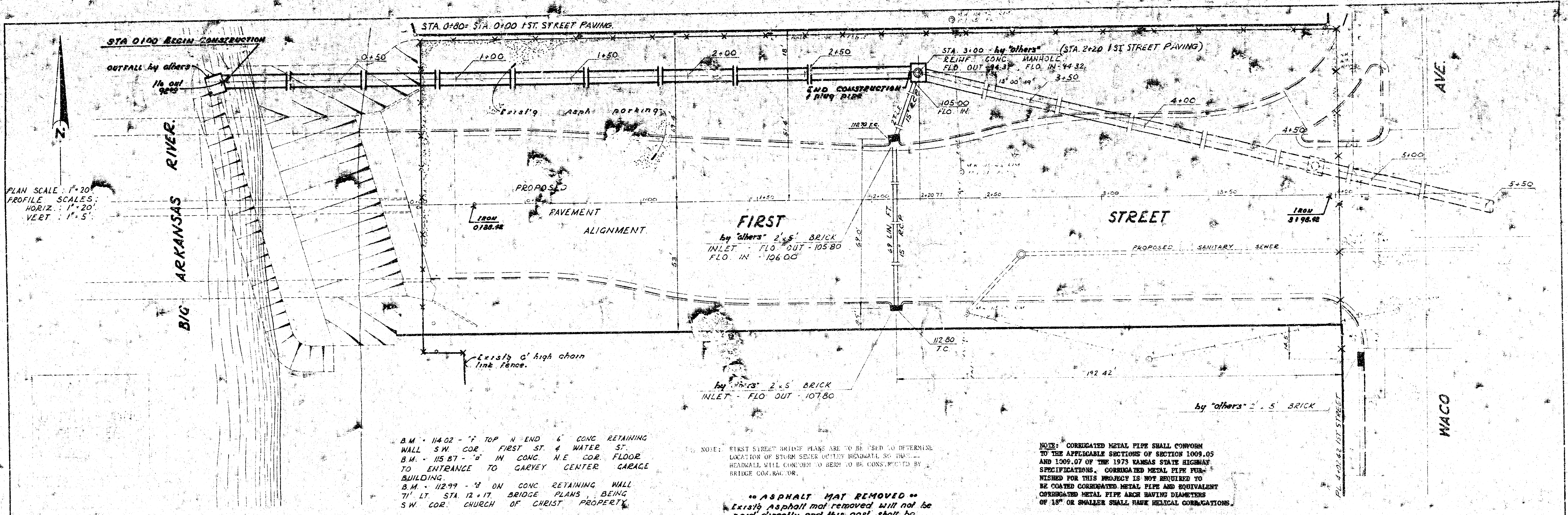
CONSTRUCTION of a portion of Storm
Water Sewer & Site Preparation in
connection with paving FIRST STREET
from the Arkansas River to the
W.L. Water Street.

CITY of WICHITA, KANSAS
R.W. LINN CITY ENGINEER
DATE _____ Proj No. DAKM574121

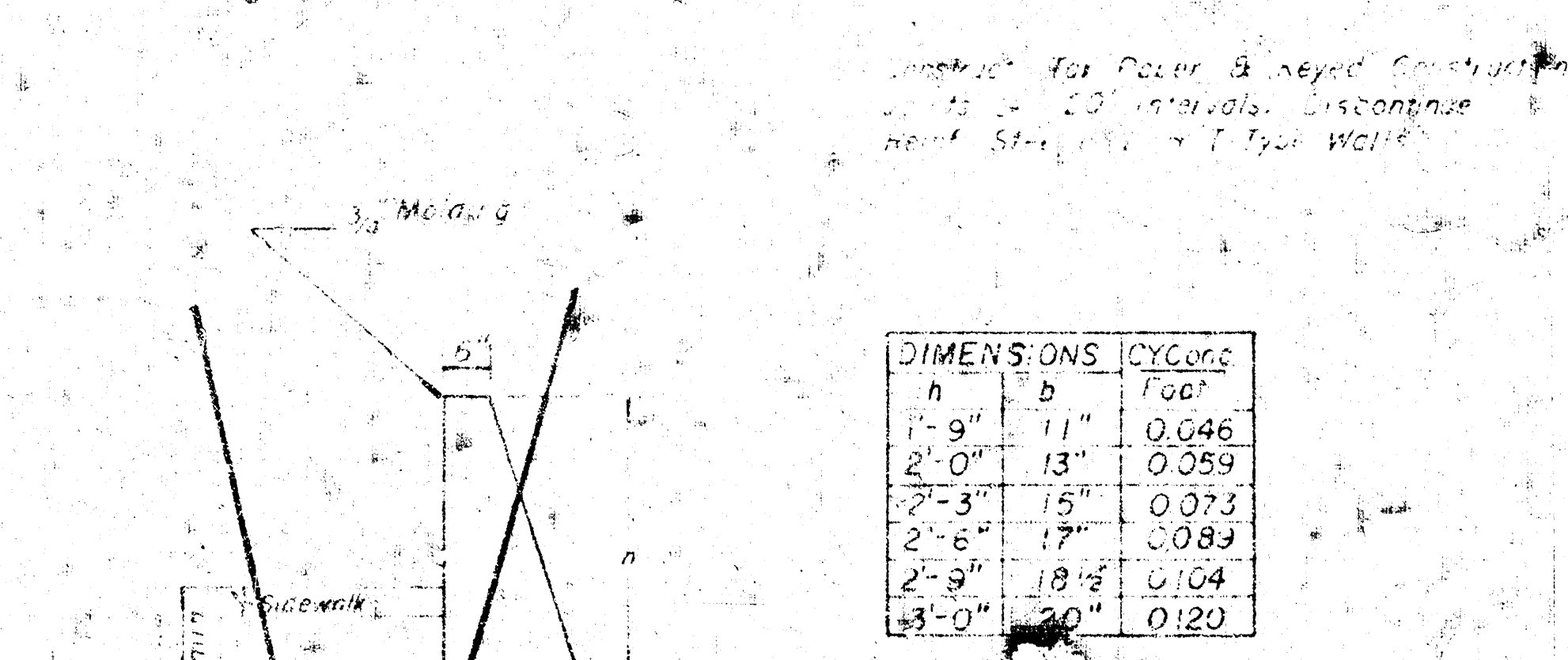
1/3

PLAN SCALE: 1"=20'
 PROFILE SCALE: 1"=20'
 VERT: 1"=5'

PROFILE SCALE: 1"=20'
 VERT: 1"=5'

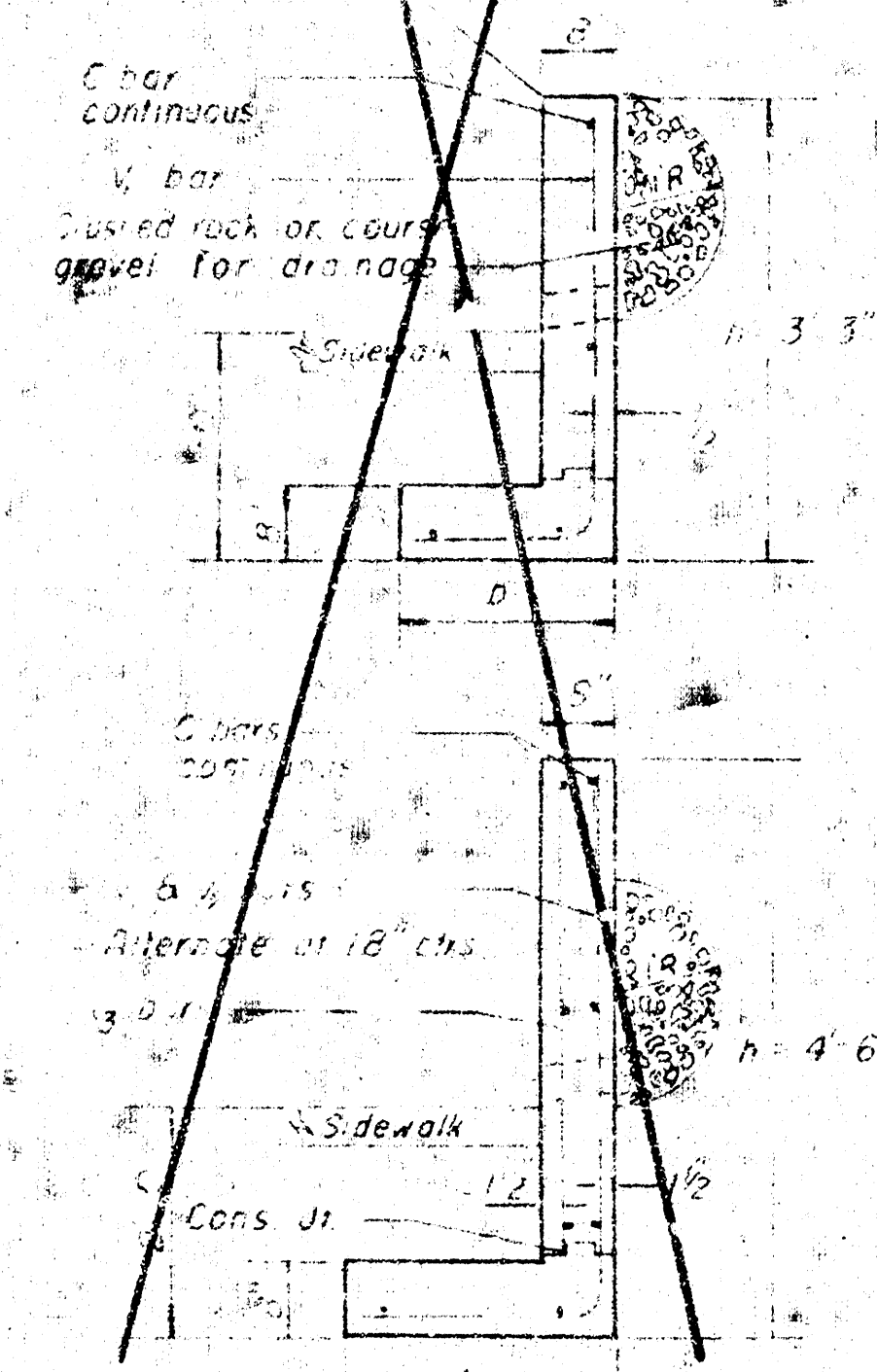


CONSTRUCTION OF A PORTION OF STORM WATER SEWER IN 1ST ST. FROM THE ARKANSAS RIVER TO THE WATER STREET



DIMENSIONS			Per Lin. Ft. Wall
h	b	c	Rein. Stl. CY Conc.
1'-0"	1'-0"	0	0.046
2'-0"	1'-0"	0	0.059
3'-0"	1'-0"	0	0.073
4'-0"	1'-0"	0	0.087
5'-0"	1'-0"	0	0.104
6'-0"	1'-0"	0	0.120

GRAVITY TYPE
(Concrete)



DIMENSIONS			Per Lin. Ft. Wall
h	b	c	Rein. Stl. CY Conc.
3'-0"	1'-0"	0	4.45
3'-0"	2'-0"	0	4.70
3'-0"	3'-0"	0	4.90
4'-0"	2'-0"	0	5.00
4'-0"	3'-0"	0	9.00
4'-0"	4'-0"	0	9.17
5'-0"	2'-0"	0	9.35

L-TYPE WALL
(Rein. Concrete)

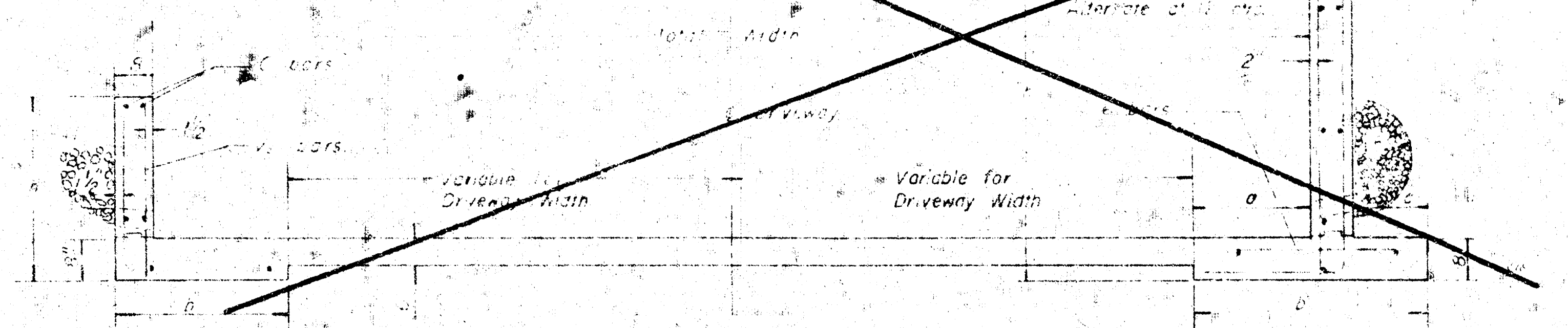
NOTE: BOTTOM OF RETAINING WALL FOOTING SHALL BE A MINIMUM OF TWO (2) FEET BELOW ASPHALT PARKING LOT AT LOCATIONS WHERE ASPHALT PARKING LOT IS BELOW THE PROPOSED NEW SIDEWALK CONSTRUCTION.

DIMENSIONS			Per Lin. Ft. Wall
h	b	c	Rein. Stl. CY Conc.
5'-0"	2'-0"	1'-0"	11.630
6'-0"	3'-0"	1'-0"	3.995
6'-0"	3'-0"	1'-0"	4.35
7'-0"	4'-0"	2'-0"	18.282
7'-0"	4'-0"	2'-0"	25.737
8'-0"	4'-0"	2'-0"	26.600
8'-0"	4'-0"	2'-0"	27.380

T-TYPE WALL
(Rein. Concrete)

L-TYPE RETAINING WALL FOR DRIVEWAYS

DIMENSIONS			Per Lin. Ft. Ret. Wall
h	b	c	Rein. Stl. CY Conc.
1'-0"	1'-0"	0	3.674
2'-0"	1'-0"	0	3.840
2'-0"	2'-0"	0	4.20
2'-0"	2'-0"	0	4.29
2'-0"	2'-0"	0	4.42
2'-0"	2'-0"	0	4.57



T-TYPE RETAINING WALL FOR DRIVEWAYS

DIMENSIONS			Per Lin. Ft. Ret. Wall
h	b	c	Rein. Stl. CY Conc.
4'-0"	1'-0"	0	9.23
4'-0"	1'-0"	0	9.85
5'-0"	2'-0"	0	16.98
5'-0"	2'-0"	0	19.67
6'-0"	2'-0"	0	19.47

REIN. STEEL SCHEDULE L TYPE RET WALL

h	b	c	Rein. Stl.	Remarks
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape

T-TYPE RETAINING WALL

h	b	c	Rein. Stl.	Remarks
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape

REIN. STEEL SCHEDULE L-TYPE RETAINING WALL FOR DRIVES

h	b	c	Rein. Stl.	Remarks
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape
3'-0"	1'-0"	0	8 bars continuous	Shape

T-TYPE RETAINING WALL FOR DRIVEWAYS

h	b	c	Rein. Stl.	Remarks
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape
5'-0"	2'-0"	1'-0"	8 bars continuous	Shape

NOTE: ALL excavation for retaining walls shall be included in the bid price per lin. ft. of retaining wall. The 4" max. size crushed rock or coarse gravel for drainage shall be included in the bid price per lin. ft. of retaining wall.

SCHEDULE OF MEASUREMENT FOR RETAINING WALLS

GRAVITY TYPE		L-TYPE		T-TYPE	
From To	Average Height	From To	Average Height	From To	Average Height
1'-0" 2'-0"	1'-6"	3'-0" 3'-6"	3'-3"	5'-0" 5'-6"	5'-3"
2'-0" 2'-6"	2'-3"	4'-0" 4'-6"	4'-3"	6'-0" 6'-6"	6'-3"
2'-6" 3'-0"	2'-9"	4'-6" 5'-0"	4'-9"	6'-6" 7'-0"	6'-9"
		5'-0" 5'-6"	5'-3"	7'-0" 7'-6"	7'-3"
		5'-6" 6'-0"	5'-9"	7'-6" 8'-0"	7'-9"

L-TYPE		T-TYPE	
From To	Average Height	From To	Average Height
1'-6" 2'-0"	1'-9"	3'-6" 4'-0"	3'-9"
2'-0" 2'-6"	2'-3"	4'-0" 4'-6"	4'-3"
2'-6" 3'-0"	2'-9"	4'-6" 5'-0"	4'-9"
		5'-0" 5'-6"	5'-3"
		5'-6" 6'-0"	5'-9"

NOTE: The field engineer shall find necessary retaining walls prior to backfill operation. Retaining Wall to be paid for at price bid per Lin. Ft. regardless of height. Height of retaining wall shall be as shown on plans.

RETAINING WALL DETAILS

City of Wichita, Kansas

R.W. Linn City Engineer

Project No. DAKM 574121