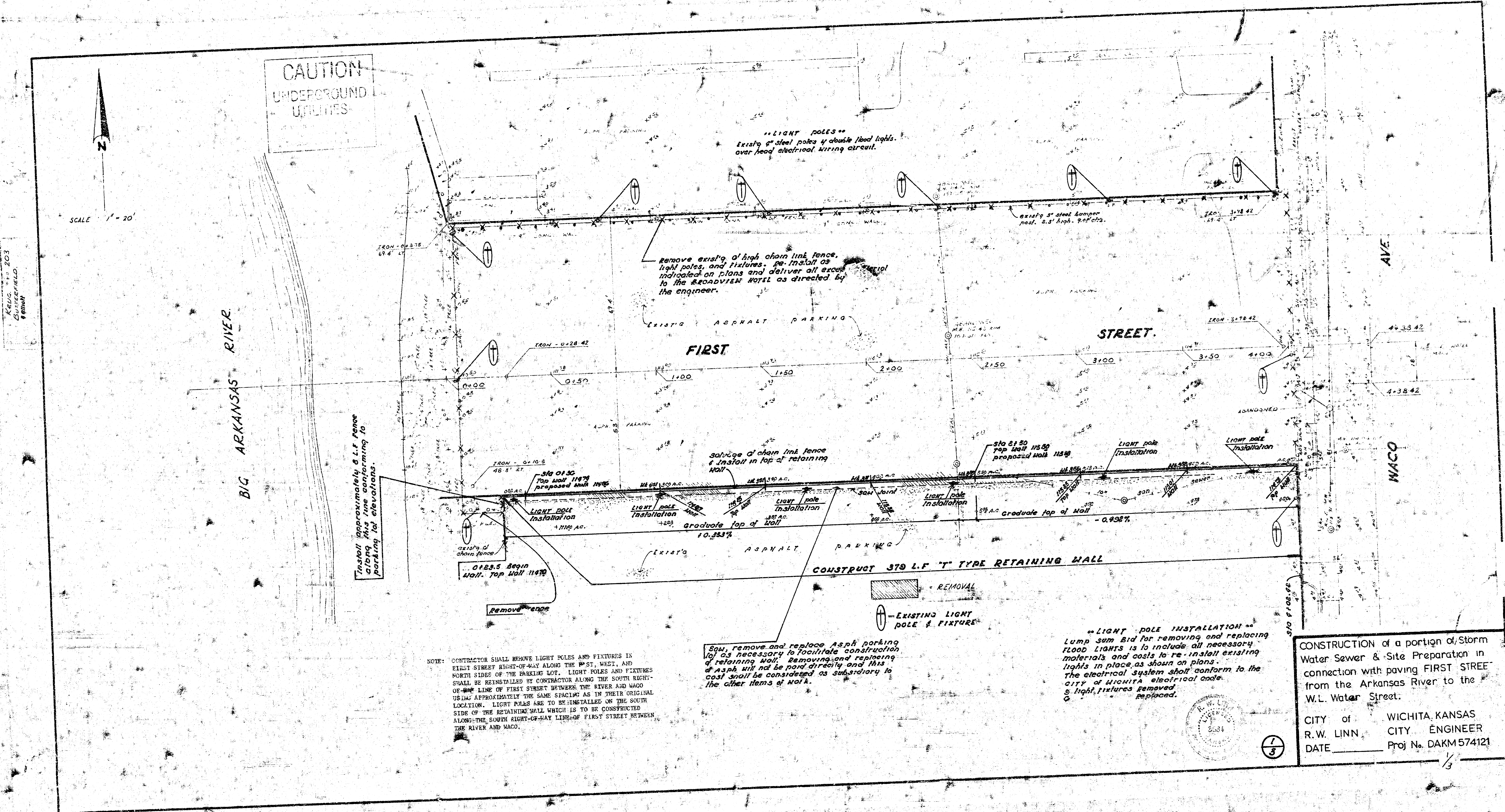




CAUTION
UNDERGROUND
UTILITIES

SCALE 1" = 20'

REVISION NO. 203
DATE 10/1/74
BY J. L. LINN

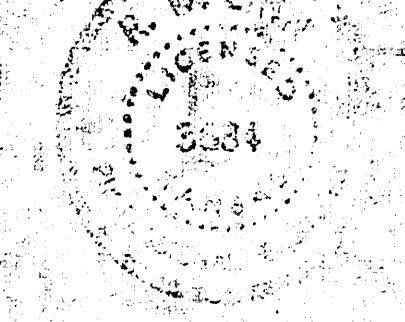
NOTE: CONTRACTOR SHALL REMOVE LIGHT POLES AND FIXTURES IN FIRST STREET RIGHT-OF-WAY ALONG THE WEST, AND NORTH SIDES OF THE PARKING LOT. LIGHT POLES AND FIXTURES SHALL BE REINSTALLED BY CONTRACTOR ALONG THE SOUTH RIGHT-OF-WAY LINE OF FIRST STREET BETWEEN THE RIVER AND WACO AVENUE. LIGHT POLES ARE TO BE 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.

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.

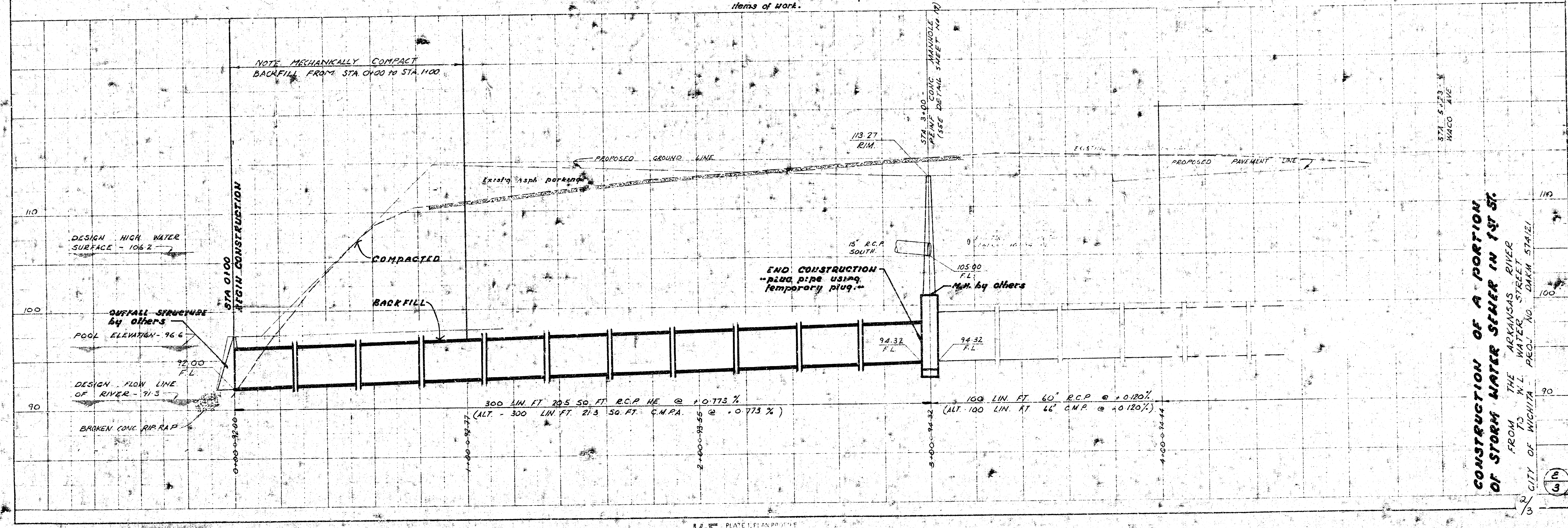
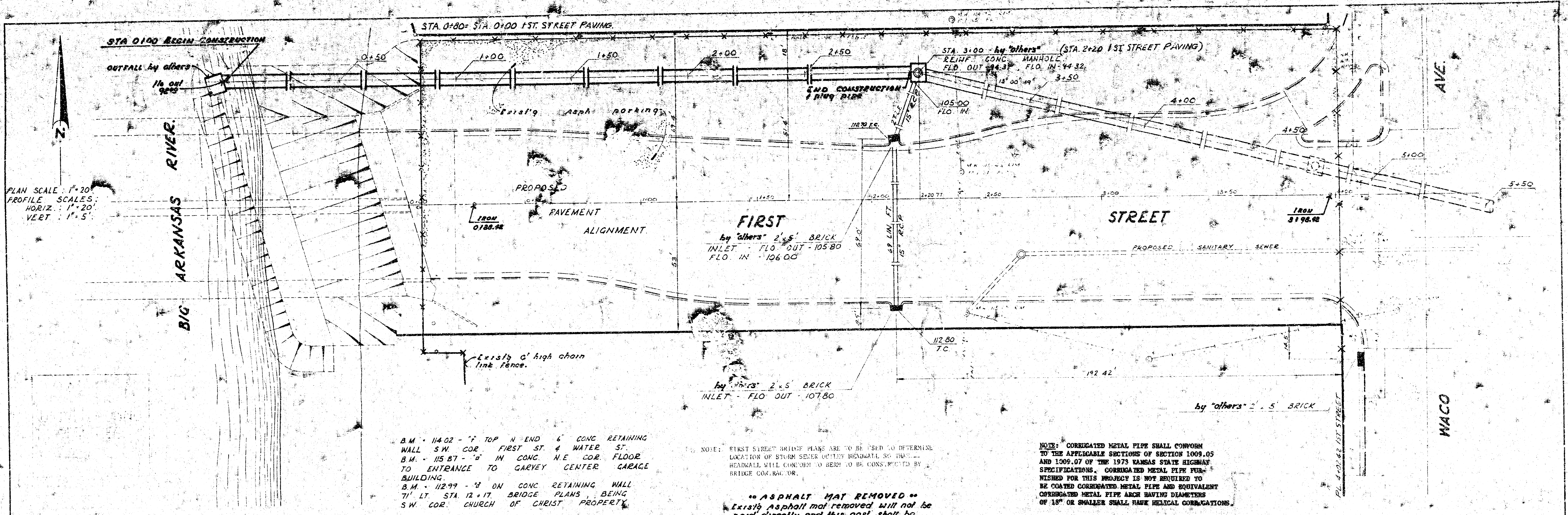
CITY of WICHITA, KANSAS
R.W. LINN CITY ENGINEER
DATE _____ Proj No. DAKM574121



1/3

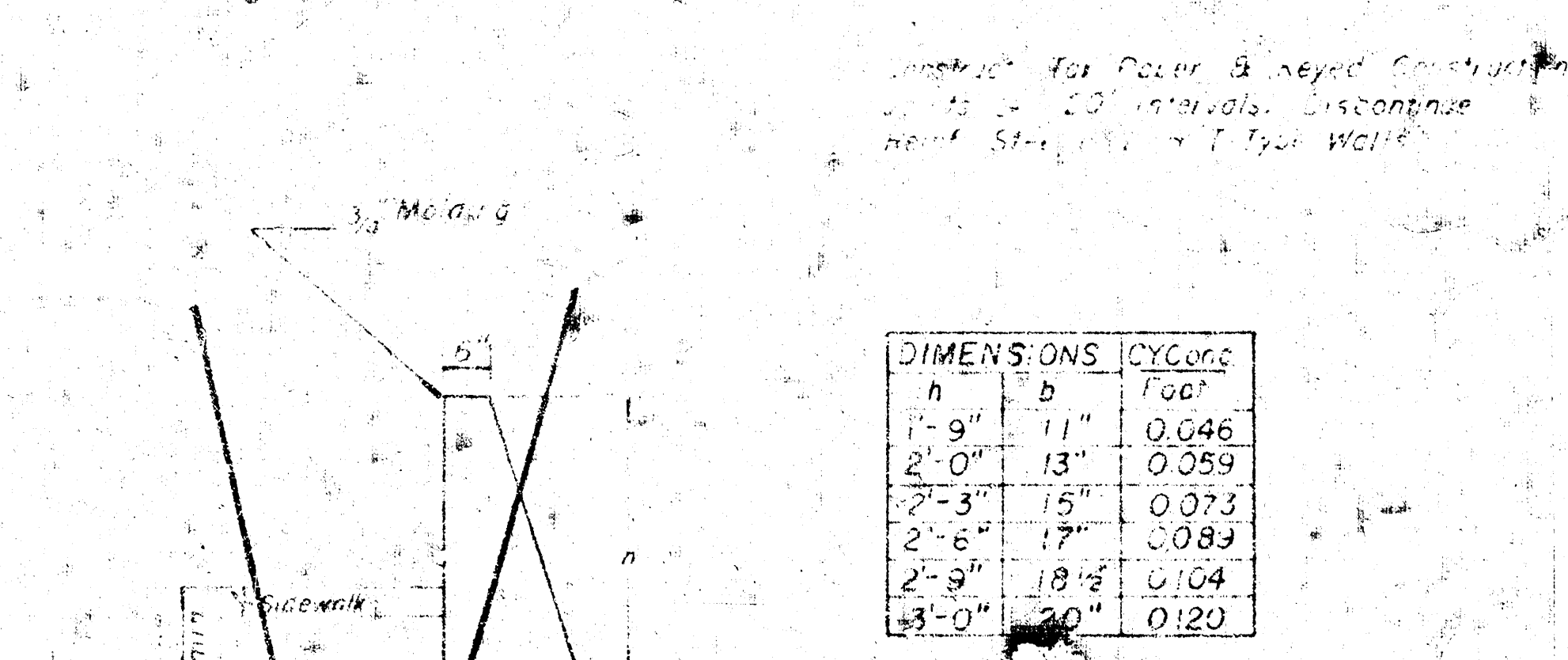
PLAN SCALE: 1"=20'
 PROFILE SCALE: 1"=20'
 VERT: 1"=5'

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



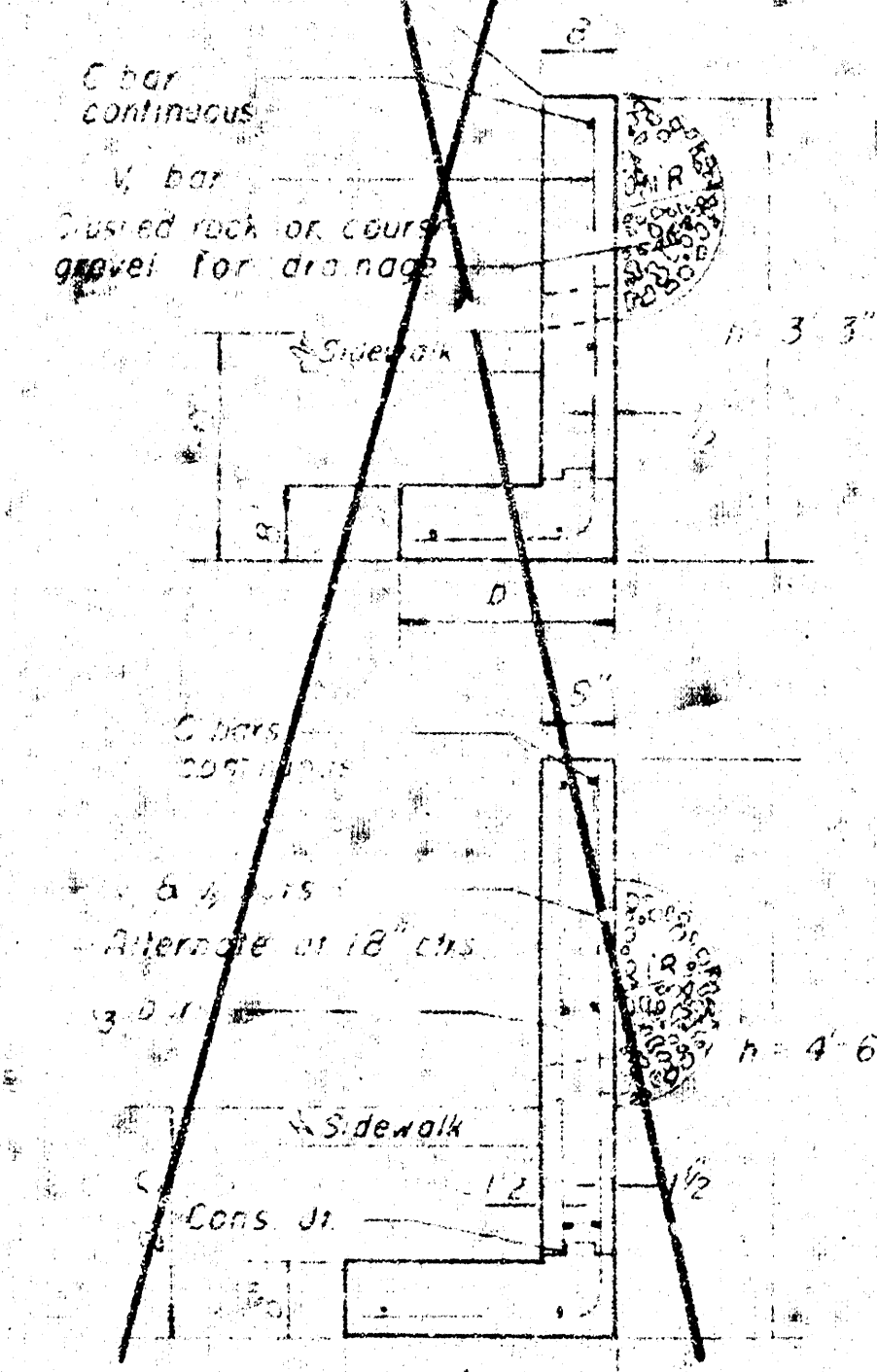
K&E PLATE 1 PLAN PROFILE
 18 1820 MADE IN U.S.A.

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

GRAVITY TYPE
(Concrete)



DIMENSIONS			Per Lin. Ft. Wall
h	b	c	Rein. Stl. CY Conc.
3'-0"	1'-0"	0'-0"	4.45
3'-6"	2'-0"	0'-0"	4.70
3'-9"	2'-0"	0'-0"	4.90
4'-0"	2'-0"	0'-0"	5.00
4'-6"	2'-6"	0'-0"	9.00
4'-9"	2'-6"	0'-0"	9.17
5'-0"	2'-6"	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'-6"	2'-9"	1'-0"	11.630
6'-0"	3'-3"	1'-3"	3.995
6'-6"	3'-3"	1'-3"	4.355
7'-0"	4'-0"	2'-0"	18.282
7'-6"	4'-0"	2'-0"	25.737
8'-0"	4'-0"	2'-0"	26.600
8'-6"	4'-0"	2'-0"	27.380

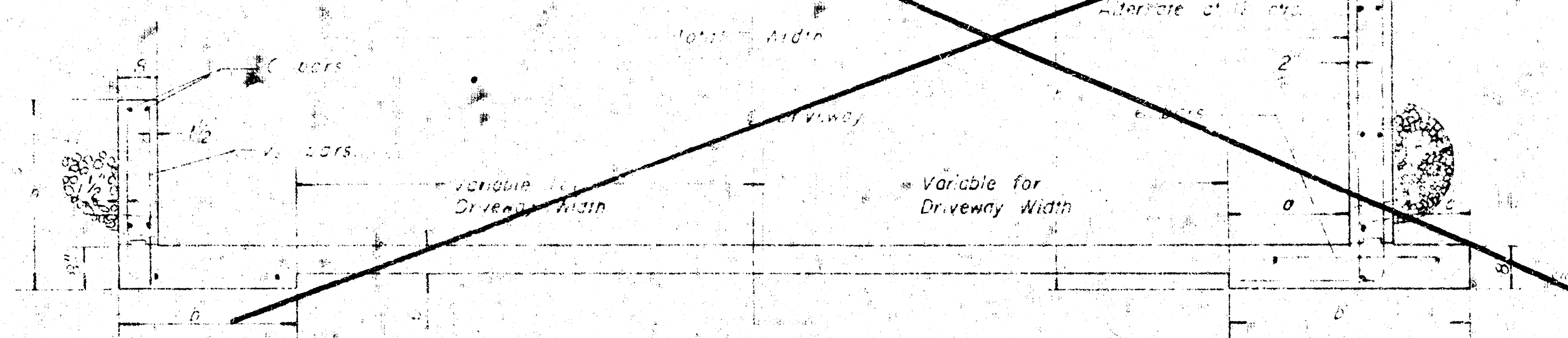
T-TYPE WALL
(Rein. Concrete)

REIN. STEEL SCHEDULE L TYPE RET WALL			
h	b	c	Remarks
3'-0"	1'-0"	0'-0"	8 bars continuous
3'-6"	2'-0"	0'-0"	8 bars continuous
3'-9"	2'-0"	0'-0"	8 bars continuous
4'-0"	2'-0"	0'-0"	8 bars continuous
4'-6"	2'-6"	0'-0"	8 bars continuous
4'-9"	2'-6"	0'-0"	8 bars continuous
5'-0"	2'-6"	0'-0"	8 bars continuous

T-TYPE RETAINING WALL			
h	b	c	Remarks
5'-6"	2'-9"	1'-0"	8 bars continuous
6'-0"	3'-3"	1'-3"	8 bars continuous
6'-6"	3'-3"	1'-3"	8 bars continuous
7'-0"	4'-0"	2'-0"	8 bars continuous
7'-6"	4'-0"	2'-0"	8 bars continuous
8'-0"	4'-0"	2'-0"	8 bars continuous
8'-6"	4'-0"	2'-0"	8 bars continuous

L-TYPE RETAINING WALL FOR DRIVEWAYS

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



T-TYPE RETAINING WALL FOR DRIVEWAYS

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



REIN. STEEL SCHEDULE L TYPE RETAINING WALL FOR DRIVES			
h	b	c	Remarks
3'-0"	1'-0"	0'-0"	8 bars continuous
3'-6"	2'-0"	0'-0"	8 bars continuous
3'-9"	2'-0"	0'-0"	8 bars continuous
4'-0"	2'-0"	0'-0"	8 bars continuous
4'-6"	2'-6"	0'-0"	8 bars continuous
4'-9"	2'-6"	0'-0"	8 bars continuous
5'-0"	2'-6"	0'-0"	8 bars continuous

T-TYPE RETAINING WALL FOR DRIVEWAYS			
h	b	c	Remarks
5'-6"	2'-9"	1'-0"	8 bars continuous
6'-0"	3'-3"	1'-3"	8 bars continuous
6'-6"	3'-3"	1'-3"	8 bars continuous
7'-0"	4'-0"	2'-0"	8 bars continuous
7'-6"	4'-0"	2'-0"	8 bars continuous
8'-0"	4'-0"	2'-0"	8 bars continuous
8'-6"	4'-0"	2'-0"	8 bars continuous

NOTE: ALL excavation for retaining walls shall be included in the bid price per lin. ft. of retaining wall. The 4" wide wheel is a 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'-5"	3'-0" 3'-6"	3'-3"	5'-0" 5'-6"	5'-3"
2'-0" 2'-6"	2'-3"	3'-6" 4'-0"	3'-9"	5'-6" 6'-0"	5'-9"
2'-6" 3'-0"	2'-9"	4'-0" 4'-6"	4'-3"	6'-0" 6'-6"	6'-3"
		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'-5" 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