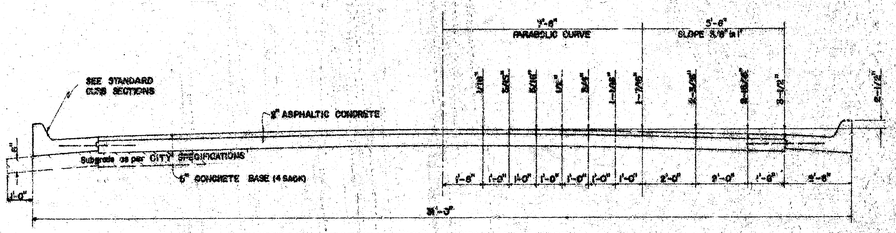
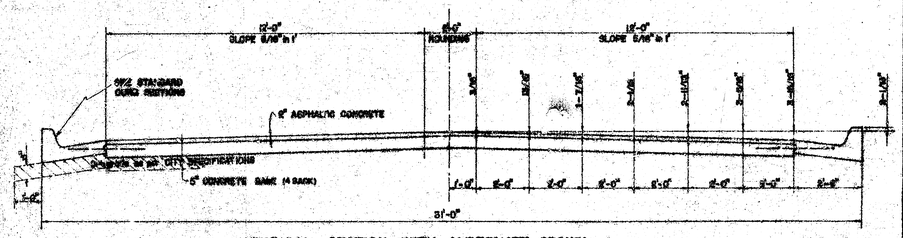
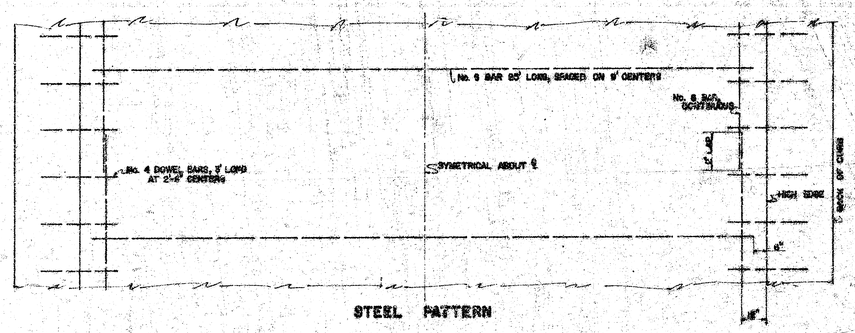
TYPICAL SECTIONS of 30' ASPHALTIC CONCRETE PAVEMENT



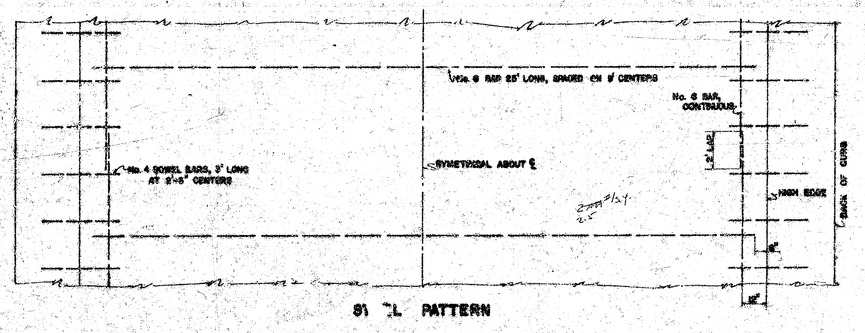
TYPICAL SECTION WITH STANDARD CROWN



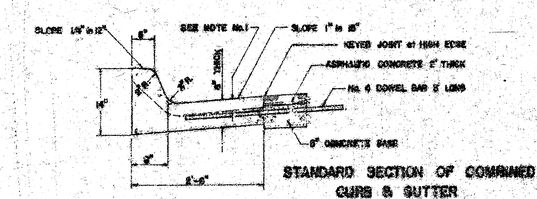
TYPICAL SECTION WITH ALTERNATE CROWN



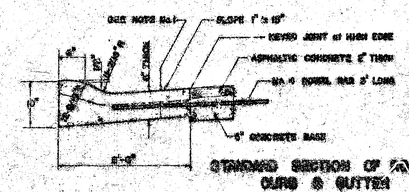
STEEL PATTERN



STEEL PATTERN



STANDARD SECTION OF COMBINED CURB & GUTTER



STANDARD SECTION OF "U"-TYPE CURB & GUTTER

GENERAL NOTES

1. CONTRACTION JOINTS MAY BE CONSTRUCTED IN COMBINED CURB AND GUTTER BY SAWING WITH AN APPROVED CONCRETE SAW. THE SAW CUT SHALL EXTEND 2-1/2" BELOW THE SURFACE OF THE GUTTER AND CURB. SAWED CONTRACTION JOINTS SHALL HAVE A MINIMUM SPACING OF 10' AND BE FILLED WITH A SPECIFIED JOINT FILLER, SUCH THAT THE JOINT IN THE GUTTER SECTION WILL BE COMPLETELY FILLED.

GROVE ST. & 28th ST. NORTH
N. L. 27th ST. WEST TO 212' EAST OF W. L. CHISHOLM TERRACE ADDITION.

ASPHALTIC CONCRETE
31' & CURB & GUTTER
CITY OF WICHITA, KANSAS

Department of Public Works – Engineering Division

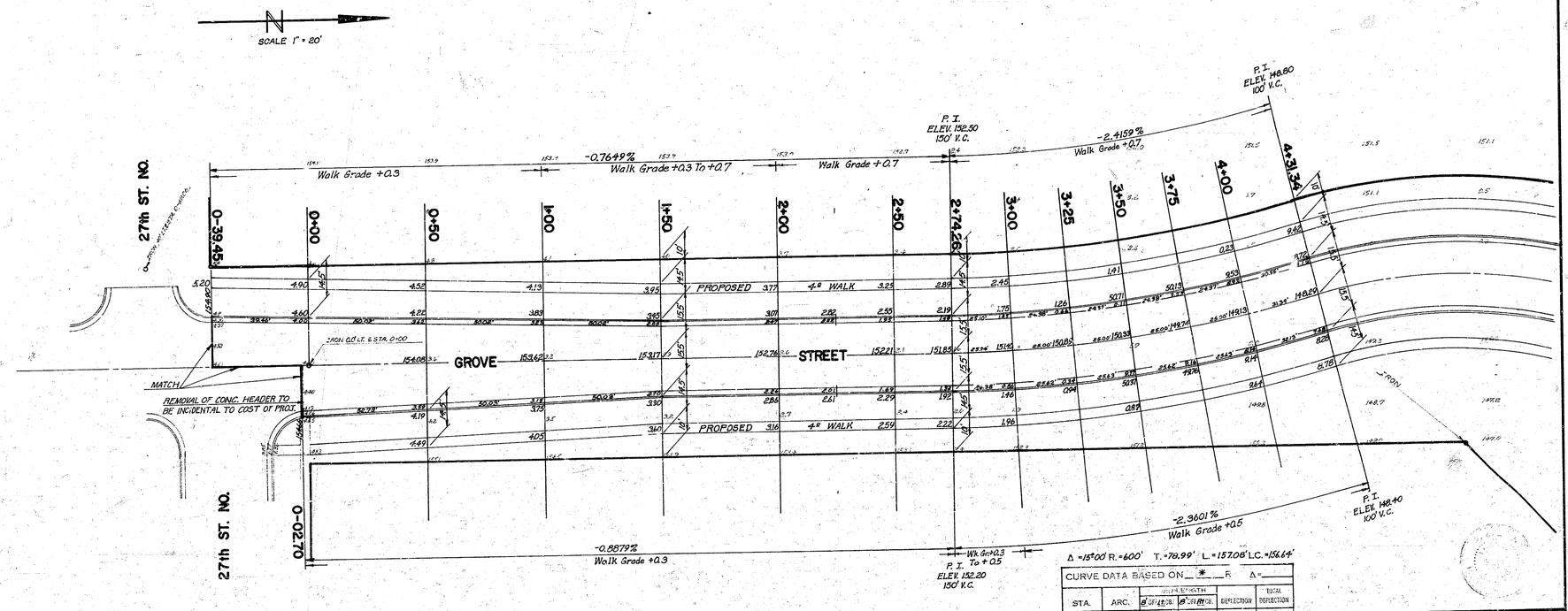
R. W. Linn — City Engineer

Date: — Project No. DAK5571030

1/5

B. M. 141.65 CITY STANDARD S. E. CORNER GROVE & 25th.
B. M. 155.47 R. R. SPIKE E. SIDE LARGE ELM S. W. CORNER GROVE & 27th.

SCALE 1" = 20'



Δ = 15°00' R. = 600' T. = 78.99' L. = 157.08' L.C. = 156.64'

CURVE DATA BASED ON ___* ___ R Δ = ___

STA.	ARC.	CHORD LENGTH 8' CHORDS	CHORD LENGTH 8' CHORDS	DEFLECTION	TOTAL DEFLECTION
2+74.26 P.C.	———	———	———	0°00'00"	0°00'00"
3+00.00	25.74'	26.75'	26.72'	1°13'44"	1°13'44"
3+25.00	25.00'	26.04'	25.96'	1°11'38"	2°25'22"
3+50.00	25.00'	26.04'	25.96'	1° 1'37"	3°36'59"
3+75.00	25.00'	26.04'	25.96'	1°11'37"	4°48'36"
4+00.00	25.00'	26.04'	25.96'	1°11'37"	6°00'13"
4+31.34	31.34'	30.14'	32.54'	1°29'47"	7°30'00"

DEFLECTION IN MIN. PER FOOT = 2.86478228'/Ft.

* CURVE DATA BASED ON 600' RADIUS TO ℄ PROPOSED PAVEMENT ON GROVE.

EARTHWORK QUANTITIES

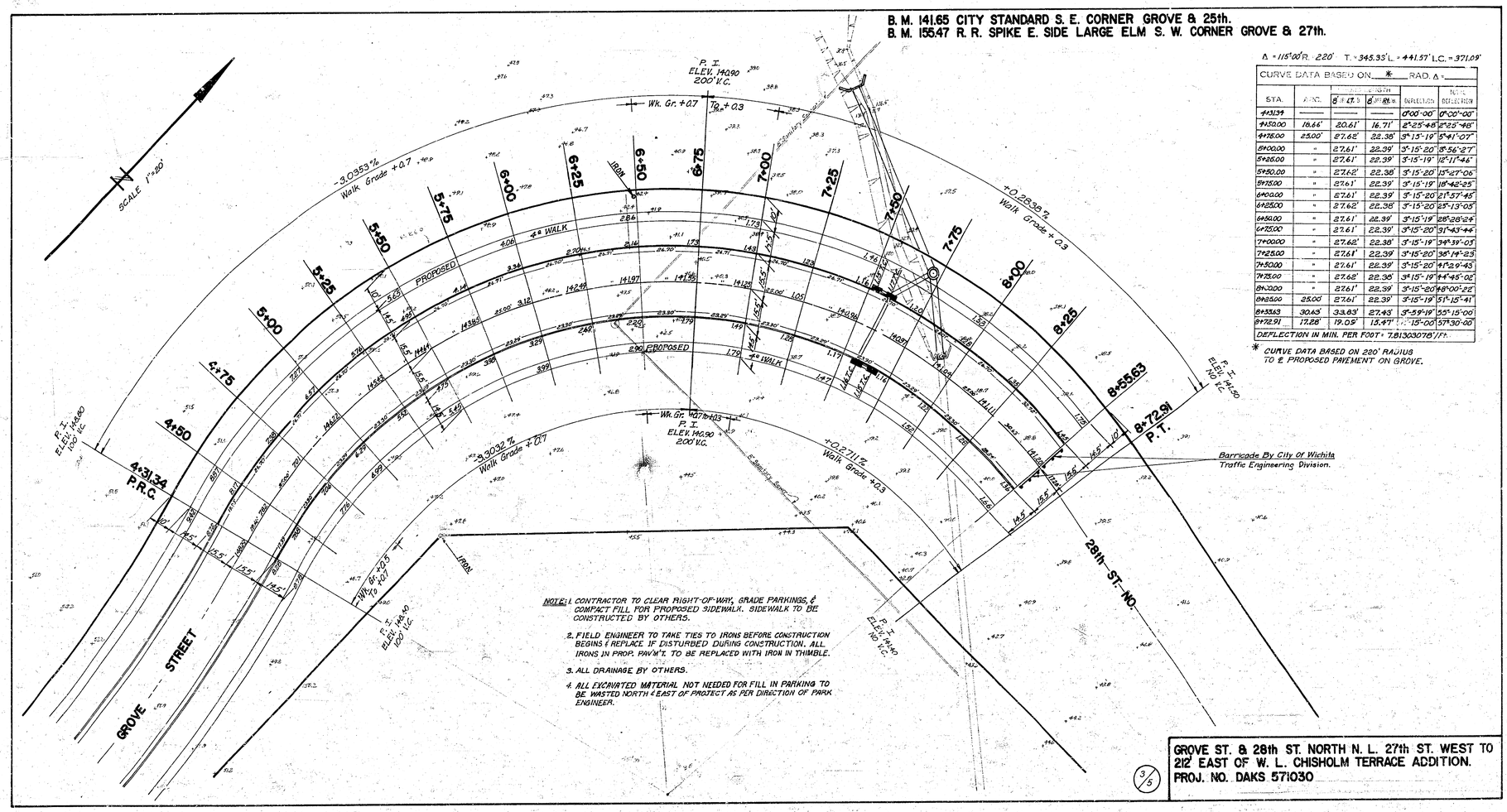
EXCAVATION	= ~~331.6~~ 3143.0 CU YDS.	COMP. FILL	= ~~57.1~~ 575.1 CU YDS.
+10%	= 33.1.6 CU YDS.	+ 10%	= 57.1 CU YDS.
TOTAL	= 364.8 CU YDS.	TOTAL	= 632.6 CU YDS.

Excd Fill
Comp Fill

(2/5)

GROVE ST. & 28th ST. NORTH
N. L. 27th ST. WEST TO 212' EAST OF W. L. CHISHOLM TERRACE ADDITION.
ASPHALTIC CONCRETE
31' & CURB & GUTTER
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER
PROJ. NO. DAKS571030
DATE: DEC. 1971

B. M. 141.65 CITY STANDARD S. E. CORNER GROVE & 25th.
B. M. 155.47 R. R. SPIKE E. SIDE LARGE ELM S. W. CORNER GROVE & 27th.



Δ = 115°00' R. 220' T. = 345.33' L. = 441.57' L.C. = 371.09'

CURVE DATA BASED ON ✱ RAD. A =

STA.	ARC.	CHORD LENGTH 8' ARC	CHORD LENGTH 6' ARC	DEFLECTION	TOTAL DEFLECTION
4+31.34	———	———	———	0°00'-00"	0°00'-00"
4+50.00	18.66'	20.61'	16.71'	2°25'-48"	2°25'-48"
4+75.00	25.00'	27.62'	22.38'	3°15'-19"	5°41'-07"
5+00.00	"	27.61'	22.39'	3°15'-20"	8°56'-27"
5+25.00	"	27.61'	22.39'	3°15'-19"	12°11'-46"
5+50.00	"	27.62'	22.38'	3°15'-20"	15°27'-06"
5+75.00	"	27.61'	22.39'	3°15'-19"	18°42'-25"
6+00.00	"	27.61'	22.39'	3°15'-20"	21°57'-45"
6+25.00	"	27.62'	22.38'	3°15'-20"	25°13'-05"
6+50.00	"	27.61'	22.39'	3°15'-19"	28°28'-24"
6+75.00	"	27.61'	22.39'	3°15'-20"	31°43'-44"
7+00.00	"	27.62'	22.38'	3°15'-19"	34°59'-03"
7+25.00	"	27.61'	22.39'	3°15'-20"	38°14'-23"
7+50.00	"	27.61'	22.39'	3°15'-20"	41°29'-43"
7+75.00	"	27.62'	22.38'	3°15'-19"	44°45'-02"
8+00.00	"	27.61'	22.39'	3°15'-20"	48°00'-22"
8+25.00	25.00'	27.61'	22.39'	3°15'-19"	51°15'-41"
8+55.63	30.63'	33.83'	27.43'	3°59'-19"	55°15'-00"
8+72.91	17.28'	19.05'	15.47'	2°15'-00"	57°30'-00"

DEFLECTION IN MIN. PER FOOT = 7.81303078'/FT.

✱ CURVE DATA BASED ON 220' RADIUS TO ℄ PROPOSED PAVEMENT ON GROVE.

NOTE: 1. CONTRACTOR TO CLEAR RIGHT-OF-WAY, GRADE PARKINGS, & COMPACT FILL FOR PROPOSED SIDEWALK. SIDEWALK TO BE CONSTRUCTED BY OTHERS.

2. FIELD ENGINEER TO TAKE TIES TO IRONS BEFORE CONSTRUCTION BEGINS & REPLACE IF DISTURBED DURING CONSTRUCTION. ALL IRONS IN PROP. PAV'M'T. TO BE REPLACED WITH IRON IN THIMBLE.

3. ALL DRAINAGE BY OTHERS.

4. ALL EXCAVATED MATERIAL NOT NEEDED FOR FILL IN PARKING TO BE WASTED NORTH & EAST OF PROJECT AS PER DIRECTION OF PARK ENGINEER.

GROVE ST. & 28th ST. NORTH N. L. 27th ST. WEST TO 212' EAST OF W. L. CHISHOLM TERRACE ADDITION.
PROJ. NO. DAKS 571030

3/5

Survey Rigos
Plan Layout
Det
Checked

SCALE 1"=20'

B. M. 141.65 CITY STANDARD S. E. CORNER GROVE & 25th.
B. M. 155.47 R. R. SPIKE E. SIDE LARGE ELM S. W. CORNER GROVE & 27th.

STA. 7+53 - 15.5' LT.
CONSTRUCT STANDARD 2'x5' INLET
IE 24" R.C.P. N.E. 136.60 IE 15" R.C.P. S.W. 137.30 IE 15" R.C.P. S.E. 138.00

CONSTRUCT 4 L.F. 15" R.C.P.

STA. 7+61 - 15.5' LT.
CONSTRUCT STANDARD 2'x5' INLET
IE 15" R.C.P. N.E. 138.20

CONSTRUCT 32 L.F. 24" R.C.P.

CONSTRUCTION OF OUTFALL STRUCTURE BY OTHERS

CONSTRUCTION OF 36" R.C.P. BY OTHERS.

CONSTRUCTION OF 5' DIAMETER STANDARD TYPE B MANHOLE 24" R.C.P. STUB S.W. BY OTHERS
IE 36" R.C.P. IN 135.30 IE 36" R.C.P. OUT 135.20 IE 24" R.C.P. STUB 136.30

CONSTRUCTION OF 36" R.C.P. BY OTHERS.

REMOVAL OF OUTFALL STRUCTURE BY OTHERS

IRON

5' Sanitary Sewer

40'

Walk

Proposed

CONSTRUCT 92 L.F. 15" R.C.P.

8' Sanitary Sewer

STA. 7+58 - 15.5' RT.
CONSTRUCT STANDARD 2'x5' INLET
IE 15" R.C.P. N.W. 137.60
IE 15" R.C.P. N.E. 138.00

CONSTRUCT 4 L.F. 15" R.C.P.

STA. 7+66 - 15.5' RT.
CONSTRUCT STANDARD 2'x5' INLET
IE 15" R.C.P. S.W. 138.00

IRON

GROVE ST.

28th ST. NO.

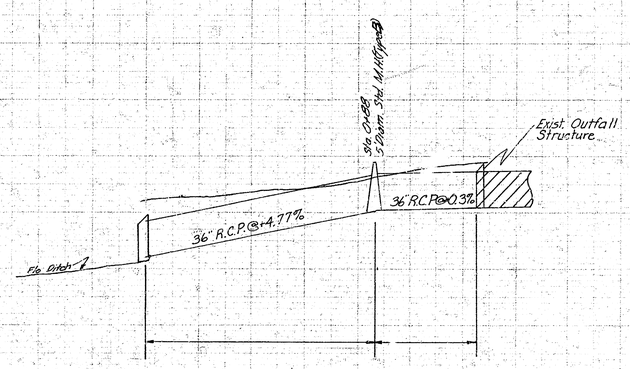
4+31.34 P.R.C.

8+55.63

8+72.91 P.T.

88.0'

36" R.C.P.



131.0 Flo Out
0+00

135.20 Flo Out
135.30 Flo In
0+88 1+00

135.40 Flo Out
1+25

INCIDENTAL DRAINAGE IN CONNECTION WITH PAVING GROVE ST. & 28th ST. NO. N. L. 27th ST. WEST TO 212' EAST OF W. L. CHISHOLM TERRACE ADDITION.
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER
PROJ. NO. DAK0571030
DATE: DEC. 1971

10 1 5 (13)