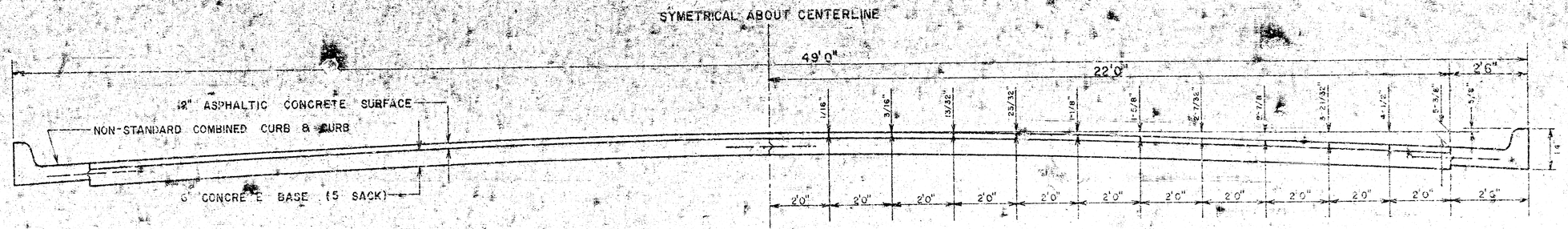
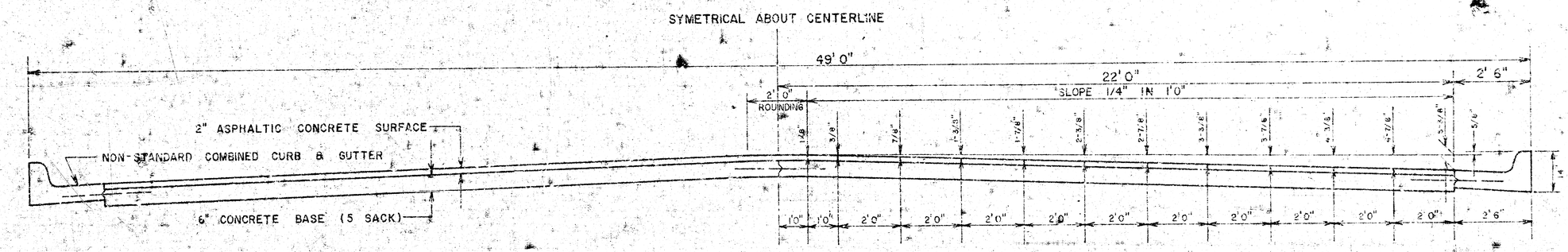
PAWNEE AVENUE

E.L. ROCK ROAD TO S.L. CHERRY CREEK DRIVE

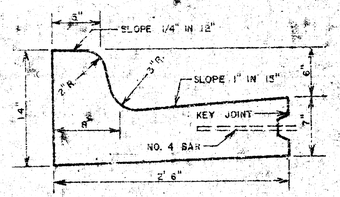
PROJ. NO. DAKM 573041
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER



TYPICAL SECTION WITH STANDARD CROWN
48' 0" ASPHALTIC CONCRETE PAVEMENT



TYPICAL SECTION WITH ALTERNATE CROWN
48' 0" ASPHALTIC CONCRETE PAVEMENT

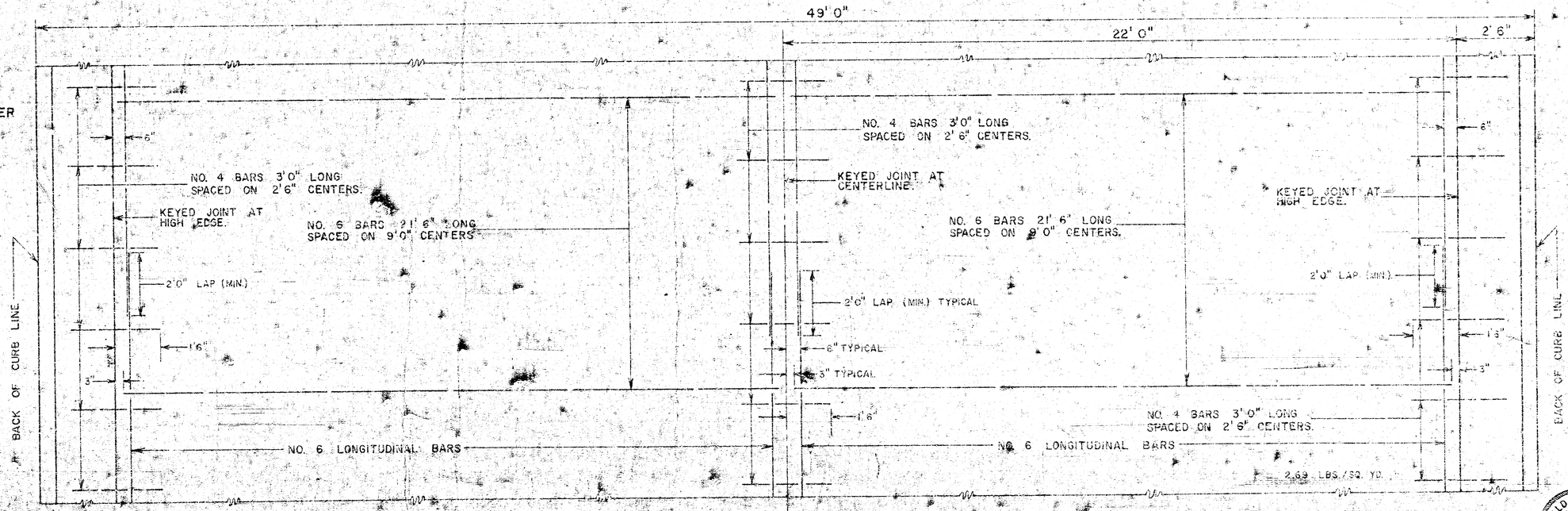


DETAIL OF NON-STANDARD
COMBINED CURB & GUTTER

GENERAL NOTES

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 MAXIMUM SPACING OF 10' AND BE FILLED WITH A SPECIFIED JOINT FILLER, SUCH THAT THE JOINT IN THE GUTTER SECTION WILL BE COMPLETELY FILLED.

PAVEMENT GRADES SHOWN ON PLANS ARE FOR STANDARD CROWN.



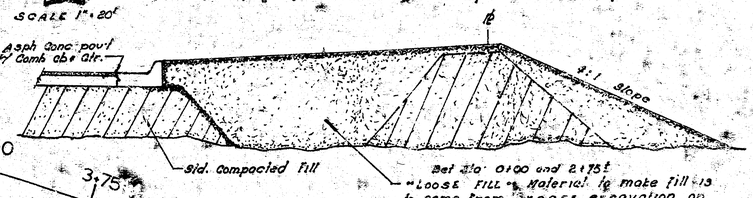
TYPICAL STEEL PATTERN
48' 0" ASPHALTIC CONCRETE PAVEMENT

DONALD E. SCHWEITZ
LICENSED PROFESSIONAL ENGINEER

B.M. - 1685.7' "X" in pavement @ ROCK ROAD and @ PAWNEE West

B.M. - 1982.2' R.R. Spike in E. side power pole 30' north of intersection of @ OAK KNOLL and Gray Co. driveway.

SCALE 1" = 20'



Sta No. 0+00 and 2+75 "Loose FILL" Material to make fill is to come from excess excavation on proj DAKM 573002 Streets in CHERRY CREEK HILLS ADD. The construction will be considered incidental to earthwork on proj.

CURVE DATA IS BASED ON @ RADIUS = 777.67'
Δ = 62° 50' 02.210286 min/ft arc Lc 852.63'

STATION	ARC	CHORD d'off ME. cb	LENGTHS d'off St w. cb	DEFLECTION	TOTAL DEFLECTION
P.C. 1+40					0° 00' 00"
+50	10.00'	10.41'	9.58'	0° 22' 06"	0° 22' 06"
+75	25.00'	26.02'	23.97'	0° 55' 16"	1° 17' 22"
2+00	"	"	"	0° 55' 15"	2° 13' 37"
+25	"	"	"	0° 55' 15"	3° 09' 52"
+50	"	"	"	0° 55' 16"	4° 05' 08"
+75	"	"	"	0° 55' 15"	5° 00' 23"
3+00	"	"	"	0° 55' 16"	5° 55' 39"
+25	"	"	"	0° 55' 15"	6° 50' 54"
+50	"	"	"	0° 55' 16"	7° 46' 10"
+75	"	"	"	0° 55' 15"	8° 41' 25"
4+00	"	"	"	0° 55' 15"	9° 36' 40"
+25	"	"	"	0° 55' 16"	10° 31' 56"
+50	"	"	"	0° 55' 15"	11° 27' 11"
+75	"	"	"	0° 55' 16"	12° 22' 27"
5+00	25.00'	26.02'	23.97'	0° 55' 15"	13° 17' 42"

curve data continued on sheet 3

EARTHWORK

EXCAVATION	COMP FILL
2,562.4 cu yds	2,046.8 Cu yds
+10% 256.2 " "	+10% 204.7 " "
2,818.6 Cu yds	2,251.5 Cu yds

"SUBGRADE"

Type of subgrade treatment shall be determined by the field engineer. Subgrade treatment may consist of Lime treatment, cement treatment, subgrade modification, or any combination of these.

NOTE TO CONTRACTOR: Co-ordinate construction of this project with other contractors having utilities crossing proposed pavement.

NOTE: Removal of signs and sign posts to be incidental to the project.

2/7

PAWNEE AVENUE

E.L. Rock Road to S.L. Cherry Creek Drive.

49' Asphaltic Conc—o—Curb & Gutter

CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINEER

Date Aug. 1973 Proj No. DAKM 573041

2-Engr
1-Insp

PAWNEE AVENUE

CHERRY CREEK DRIVE

p.c. - v.c.

p.i. Elev 169.80 103.08 v.c.

p.t. - v.c.

p.i. Elev 169.50 99.92' v.c.

+0.5' WK GR +0.3 3%

+0.5' WK GR +0.673%

+0.304% +0.5' WK

+0.690% +0.5' WK

R/W=50'

RAD: 827.67'

RAD: 767.67'

proposed 8' sidewalk.

proposed 8" sanitary

proposed 12" water

Access control except openings complete Access control

1 strand barb wire fence

four strand fence

1st flume

2nd flume

3rd flume

4th flume

5th flume

6th flume

7th flume

8th flume

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2176th flume

2177th flume

2178th flume

2179th flume

2180th flume

2181st flume

2182nd flume

2183rd flume

2184th flume

2185th flume

2186th flume

2187th flume

2188th flume

2189th flume

2190th flume

2191st flume

2192nd flume

2193rd flume

2194th flume

2195th flume

2196th flume

2197th flume

2198th flume

2199th flume

2200th flume

2201st flume

2202nd flume

2203rd flume

2204th flume

2205th flume

2206th flume

2207th flume

2208th flume

2209th flume

2210th flume

2211th flume

2212th flume

2213th flume

2214th flume

2215th flume

2216th flume

2217th flume

2218th flume

2219th flume

2220th flume

2221st flume

2222nd flume

2223rd flume

2224th flume

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2230th flume

2231st flume

2232nd flume

2233rd flume

2234th flume

2235th flume

2236th flume

2237th flume

2238th flume

2239th flume

2240th flume

2241st flume

2242nd flume

2243rd flume

2244th flume

2245th flume

2246th flume

2247th flume

2248th flume

2249th flume

2250th flume

2251st flume

2252nd flume

2253rd flume

2254th flume

2255th flume

2256th flume

2257th flume

2258th flume

2259th flume

2260th flume

2261st flume

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2308th flume

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2710th flume

2711th flume

2712th flume

2713th fl

B.M. - 1057' "X" in pavement @ ROCK ROAD and @ PAWNEE West.

plan Scale 1" = 40'

ROCK ROAD

Asph. Shoulder

Loose fill area as shown on cross sections

Traffic Signal pole

proposed 8" Sanitary Sewer.

3 strand barb wire fence.

4" steel sign posts

R.P.

R.C.P.

0.0%

Drainage easement

NOTE: See sheet 2 for Channel alignment.

proposed water Line

Alignment

proposed curb

proposed 8" sanitary

PAWNEE AVE

Slope

0.0%

Drainage R of W

Grade exist channel to elevation 1554

CONST 8'x5' Brick Inlet Top Curb 1057'

CONST 2'x5' Brick Inlet Top Curb 1056

CONST 2'x5' Brick Inlet over 96" R.C.P. T.C. 1056

CONST 2'x5' Brick Inlet over 96" R.C.P. T.C. 1054

CONST 2'x5' Brick Inlet Top Curb 1055

CONST 2'x5' Brick Inlet Top Curb 1054

E.L. ROCK ROAD

6'-15" R.C.P.

96"

R.C.P.

PAWNEE

29.5' f.b.

29.5' b.b.

* NOTE: ALTERNATE 15" C.M.P. TYPE I, coating Type B.

NOTE: Contractor to coordinate utility crossings and paving project with other contractors.

NOTE TO ENGR: Cross section proposed channel before and after construction.

NOTE: Incidental drainage contractor to excavate and shape channel. Excavated material to be used in loose fill area. Any excess material to be used on pav't project.

profile Scale 1" = 5' vert 1" = 10' Horz.

Detail of Reinf Concrete DITCH INLET

Plan

Section

proposed channel

Shape floor of inlet to flow using sand mix

TYPICAL CHANNEL SECTIONS

Loose fill

natural ground

slope

10' bottom

ALTERNATE: 54" C.M.P. Type I or II, coating Type B.

190 L.F. 96" R.C.P @ 1.0%

Const 2'x5' brick Inlet over 96" R.C.P.

Remove top portion 96" R.C.P.

proposed water

15" R.C.P. In. K1150

proposed Asph. pav't.

Remove top portion of 96" R.C.P.

15" R.C.P. In. K1151

natural ground

4:1 Slope

6:1 Slope

proposed 8" Sanitary Sewer

Install Reinf conc flare end section. (alternate 54" C.M.P. end section.) Requirements same as 54" C.M.P.

DONALD E. SCHNEE LICENSED 6311 KANSAS PROFESSIONAL ENGINEER

"DRAINAGE" in connection with paving PAWNEE AVE E.L. Rock Road to S.L. Cherry Creek Drive.

CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINEER

Date Aug. 1973 Proj No. DAKD 573041

11 - Engr
1 - Water

K+E PLATE 1 PLAN-PROFILE
KEUFFEL & ESSER CO.

SCALE 1"=20'

ROCK ROAD

PAWNEE AVE

existing SG.

R.C.P.

cut 1615

0100 P.C. 7'W.P. channel section

match exist ditch section

existing ditch

Q traffic sig pole

guy wire

3 strand barb wire fence

5-4"ø sign posts

P.P's

6" steel sign posts

"Sign" to be re-located by "OTHERS"

6" steel post

1153.65 P.T.

1155.90

6 span 138.54'

-0.0%

95°

R.O.P.

90° 00' 00"

180'

200'

150'

180.11'

80'

75'

120'

Tan: 24.41'

6 span 81.01'

0100

84° 10' 45"

0139.6 P.R.C.

150

175

1100

6 span 141.81'

+2.0%

1185.8 P.T.

4:1 Slope

57.5'

2100 channel section

proposed

and Wp

1584

exist flow

Warp proposed alignment beginning at sta 2100 to match existing flow —.— grade to elev 1584.

100.82'

198° 10'

24.21'

Tan: 66.11'

R=81.40'

R=81.21' 55° 13' 05"

curve DATA is based on ℄ proposed channel
RAD: 150.32' Δ: 95° TAN: 165' 10.35351 min/ft arc.

STATION	ARC	CHORD	DEFLECTION	TOTAL DEFLECTION
p.o. 0100			0° 00' 00"	0° 00' 00"
125	25.00'	24.97'	9° 33' 50"	9° 33' 50"
150	"	"	9° 33' 51"	19° 07' 41"
178	"	"	8° 33' 50"	28° 41' 31"
1100	25.00'	24.97'	9° 33' 50"	38° 15' 21"
p.t. 1153.25	28.25'	25.25'	9° 14' 39"	47° 30' 00"

curve DATA is based on ℄ proposed channel
RAD: 181.21' Δ: 55° 13' 05" TAN: 55.38' 18.1726 min/ft arc.

STATION	ARC	CHORD	DEFLECTION	TOTAL DEFLECTION
P.R.C 0139.6				0° 00' 00"
150	10.40'	10.39'	2° 00' 36"	2° 00' 36"
175	25.00'	24.97'	5° 08' 15"	7° 09' 58"
1100	"	"	5° 08' 15"	12° 15' 18"
125	25.00'	24.97'	5° 08' 15"	17° 19' 31"
P.T. 1184.2	21.80'	21.80'	4° 18' 03"	21° 37' 38"

PROJ. N. DAKD 573041

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