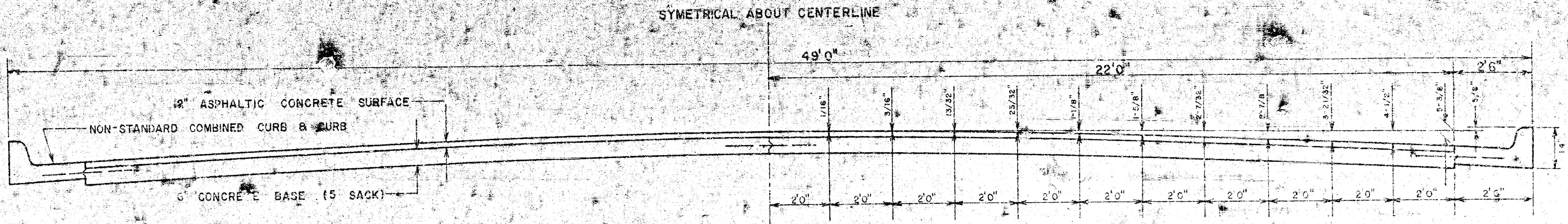
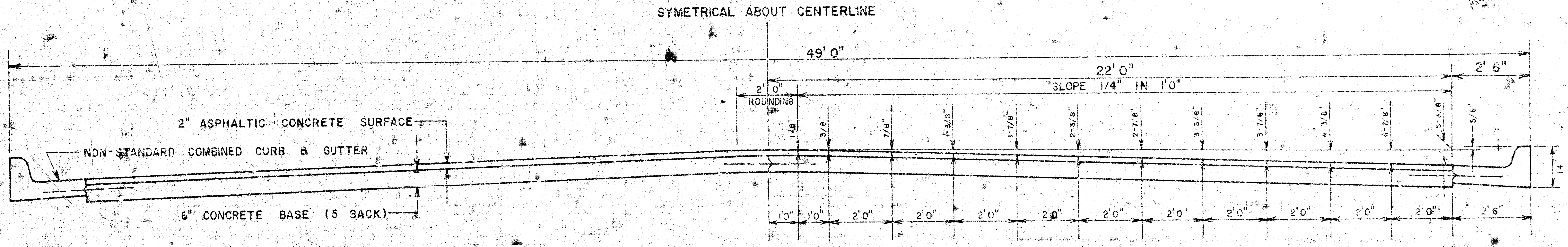
PAWNEE AVENUE

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

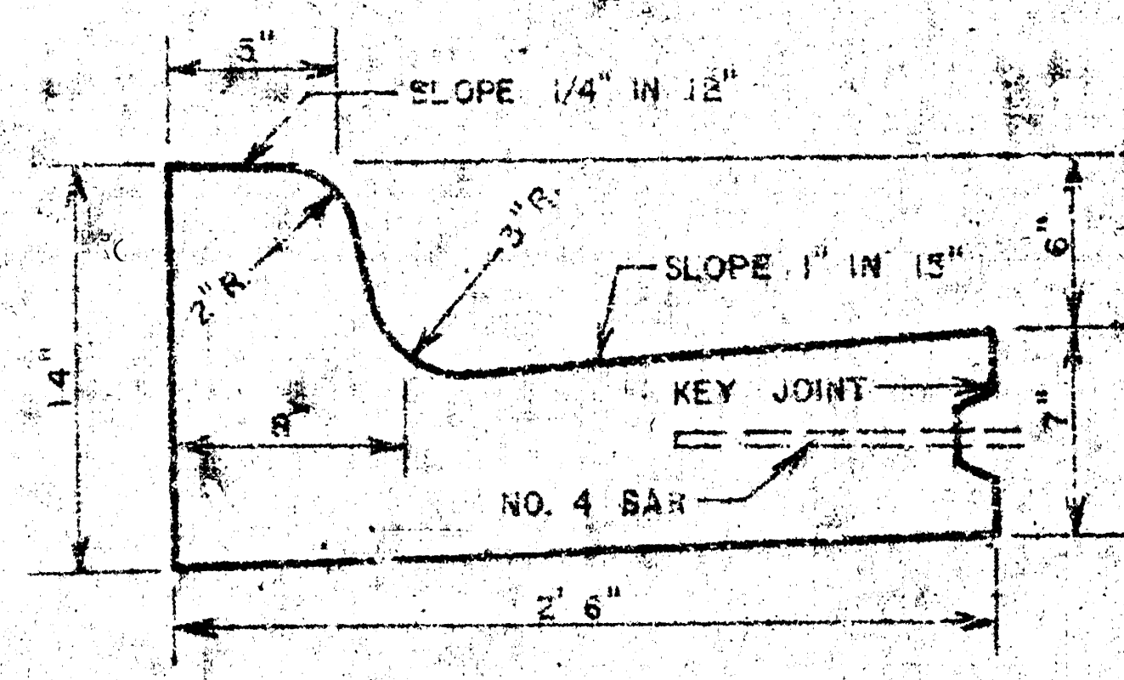
PROJ. NO. DAKM 573041
CITY OF WICHITA, KANSAS
R. W. LINN, CITY ENGINEER


SYMETRICAL ABOUT CENTERLINE
49' 0"
22' 0"
2' 6"
2" ASPHALTIC CONCRETE SURFACE
NON-STANDARD COMBINED CURB & CURB
6" CONCRETE BASE (5 SACK)
1/16"
3/16"
13/32"
23/32"
1-1/8"
1-5/8"
2-7/32"
2-7/8"
3-21/32"
4-1/2"
5-3/8"
5/8"
14"
2' 0"
2' 6"

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



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

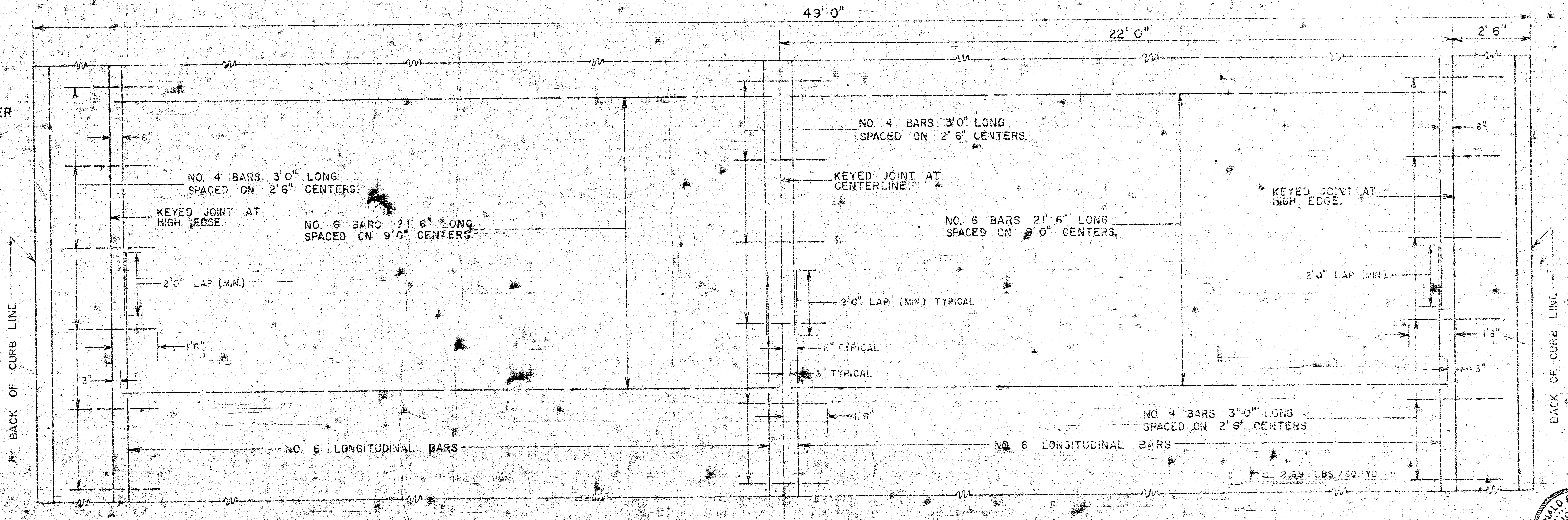


DETAIL OF NON-STANDARD
COMBINED CURB & GUTTER

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.


49' 0"
22' 0"
2' 6"
6"
NO. 4 BARS 3' 0" LONG SPACED ON 2' 6" CENTERS.
KEYED JOINT AT HIGH EDGE.
NO. 6 BARS 21' 6" LONG SPACED ON 9' 0" CENTERS.
2' 0" LAP (MIN.)
1' 6"
3"
BACK OF CURB LINE
NO. 6 LONGITUDINAL BARS
KEYED JOINT AT CENTERLINE.
2' 0" LAP (MIN.) TYPICAL
6" TYPICAL
3" TYPICAL
2.69 LBS./SQ. YD.

TYPICAL STEEL PATTERN
48' 0" ASPHALTIC CONCRETE PAVEMENT

SHEET NO. 1 OF 7

B.M. 1657/1 "X" in pavement ℄ ROCK ROAD AND ℄ PAWNEE WEST

B.M. 1982/6 R.R. Spike in E. Side power pole 30± north of intersection of ℄ OAK KNOLL and Bray Co. driveway.

CURVE DATA IS BASED ON ℄ RADIUS = 777.67'
Δ = 62° 50' 02.210286 min/ft arc Lc 852.83'

STATION	ARC	CHORD LENGTHS 8' off N&E. cb	CHORD LENGTHS 8' off S&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° 12' 37"
+25	"	"	"	0° 55' 15"	3° 07' 52"
+50	"	"	"	0° 55' 16"	4° 03' 08"
+75	"	"	"	0° 55' 15"	4° 58' 23"
3+00	"	"	"	0° 55' 16"	5° 53' 39"
+25	"	"	"	0° 55' 15"	6° 48' 54"
+50	"	"	"	0° 55' 16"	7° 44' 10"
+75	"	"	"	0° 55' 15"	8° 39' 25"
4+00	"	"	"	0° 55' 15"	9° 34' 40"
+25	"	"	"	0° 55' 16"	10° 29' 56"
+50	"	"	"	0° 55' 15"	11° 25' 11"
+75	"	"	"	0° 55' 16"	12° 20' 27"
5+00	25.00'	26.02'	23.97'	0° 55' 15"	13° 15' 42"

curve data continued on sheet 3

EARTHWORK

	EXCAVATION	COMP FILL
	2,562.4 CU YDS	2,046.8 CU YDS
+10%	256.2 " "	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-⊕-Curb & Gutter.

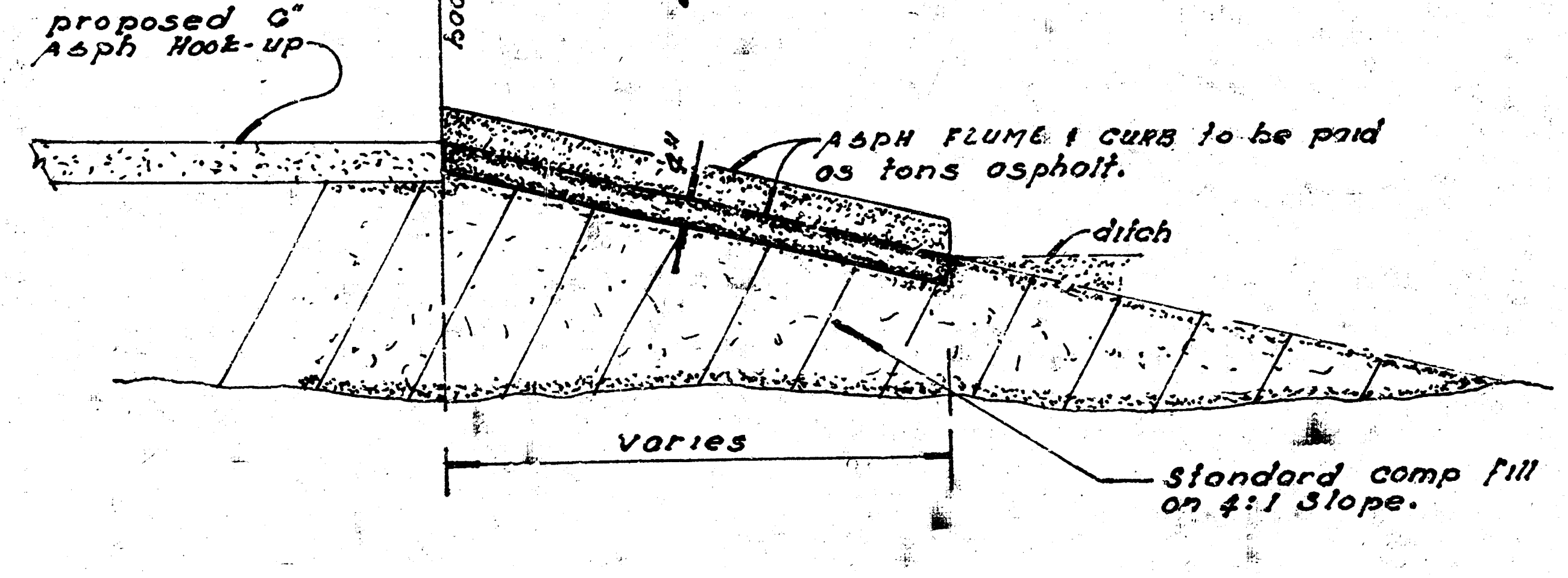
CITY OF WICHITA, KANSAS

R.W. LINN CITY ENGINEER

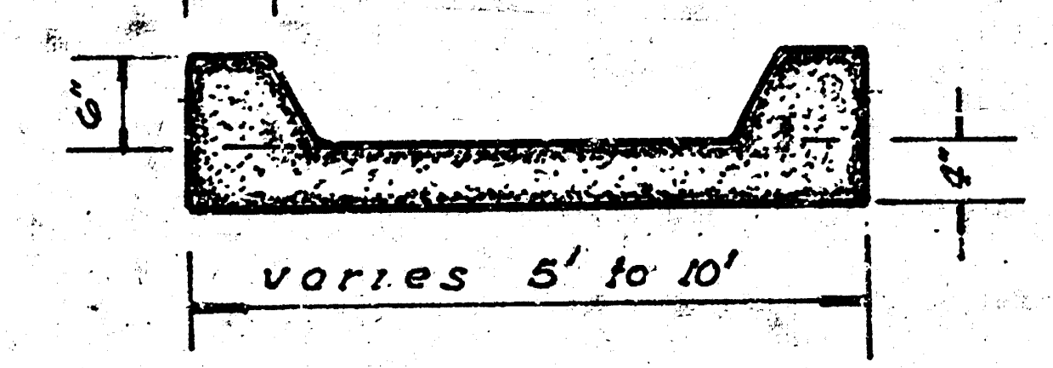
Date Aug. 1973 Proj No. DAKM 573041

9+25
9+50
9+75
9+92.83 P.T.
9+92.83 meas

+25	25.00'	26.02'	23.97'	0° 55' 16"	14° 10' 58"
+50	"	"	"	0° 55' 15"	15° 06' 13"
+75	"	"	"	0° 55' 15"	16° 01' 28"
6+00	"	"	"	0° 55' 16"	16° 56' 44"
+25	"	"	"	0° 55' 15"	17° 51' 59"
+50	"	"	"	0° 55' 16"	18° 47' 15"
+75	"	"	"	0° 55' 15"	19° 42' 30"
7+00	"	"	"	0° 55' 16"	20° 37' 46"
+25	"	"	"	0° 55' 15"	21° 33' 01"
+50	"	"	"	0° 55 15"	22° 28' 16"
+75	"	"	"	0° 55' 16"	23° 23' 42"
8+00	"	"	"	0° 55' 15"	24° 18' 47"
+25	"	"	"	0° 55' 16"	25° 14' 03"
+50	"	"	"	0° 55' 15"	26° 09' 18"
+75	"	"	"	0° 55' 16"	27° 04' 34"
9+00	"	"	"	0° 55' 15"	27° 59' 49"
+25	"	"	"	0° 55' 15"	28° 55' 04"
+50	"	"	"	0° 55' 16"	29° 50' 20"
+75	25.00	26.02'	23.97'	0° 55' 16"	30° 45' 35"
p.T. 9+92.83	17.83'	18.56'	17.09'	0° 39' 25"	31° 25' 00"


proposed 6" Asph Hook-up
back curb
ASPH FLUME & CURB to be paid as tons asphalt.
ditch
varies
Standard comp fill on 4:1 slope.

DETAIL of ASPHALT FLUME



Section Thru Flume.

NOTE: Alternate section may be used as approved by Field Engineer.

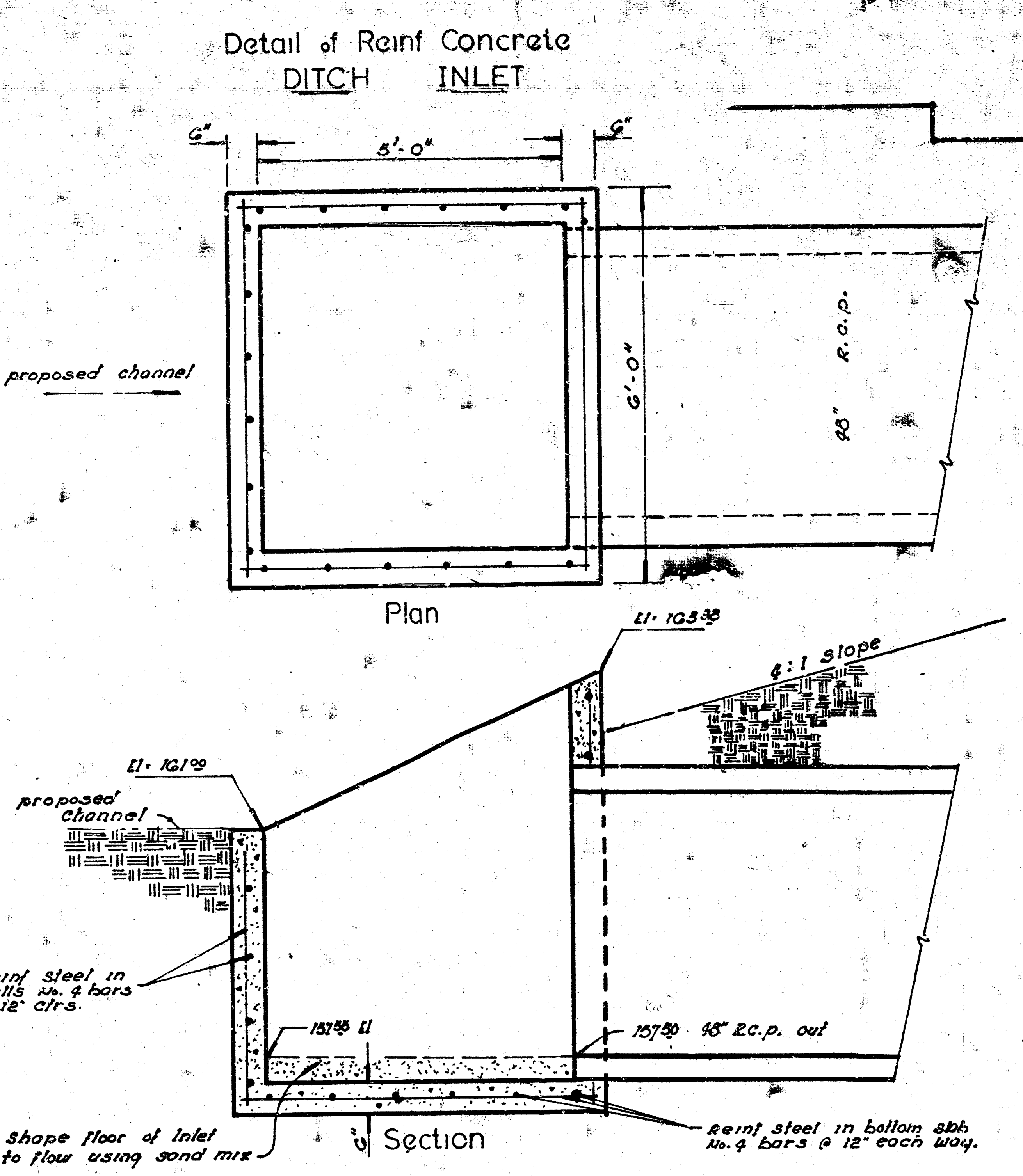
"SIDEWALK"

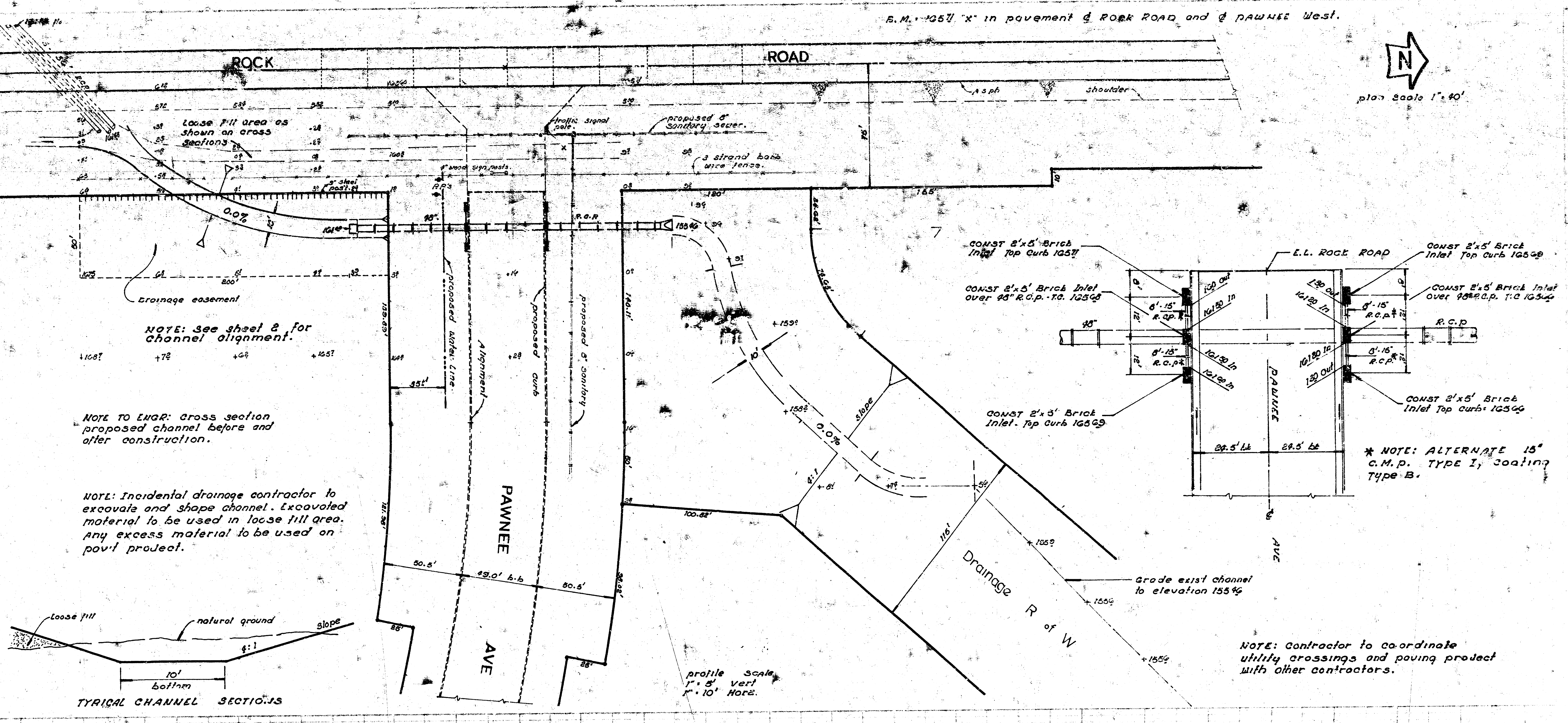
Grade parking & clear Right of Way for proposed sidewalk. Compact backfill in walk area. Walk to be constructed by "OTHERS"

3/7

Proj No. DAKM 573041

B.M. 165⁷¹ "X" in pavement ℄ ROCK ROAD and ℄ PAWNEE West.


Detail of Reinf Concrete DITCH INLET
6"
5'-0"
6"
6'-0"
48" R.C.P.
Plan
proposed channel
El. 163³⁸
4:1 slope
El. 161⁰⁰
proposed channel
Reinf steel in walls No. 4 bars @ 12" ctrs.
157⁵⁰ El
157⁵⁰ 48" R.C.P. out
Shape floor of inlet to flow using sand mix
Section
Reinf steel in bottom slab No. 4 bars @ 12" each way.


ROCK
ROAD
plan scale 1" = 40'
N
asph
shoulder
Loose fill area as shown on cross sections
traffic signal cable
proposed 8" Sanitary sewer.
3 strand barb wire fence.
4" wood sign posts.
3" steel post
0.0%
200'
Drainage easement
proposed Water Line.
Alignment
proposed curb
proposed 8" Sanitary
PAWNEE
AVE
50.5'
49.0' b.b
50.5'
0.0%
slope
4:1
100.62'
Drainage R of W
Grade exist channel to elevation 155⁴⁶
profile scale 1" = 5' vert 1" = 10' Horz.
loose fill
natural ground
slope
4:1
10' bottom
TYPICAL CHANNEL SECTIONS
E.L. ROCK ROAD
CONST 2'x5' Brick Inlet Top Curb 165⁷¹
CONST 2'x5' Brick Inlet over 48" R.C.P. - T.C. 165⁶⁸
CONST 2'x5' Brick Inlet Top Curb 165⁶⁹
CONST 2'x5' Brick Inlet Top Curb 165⁶⁸
CONST 2'x5' Brick Inlet over 48" R.C.P. T.C 165⁶⁶
CONST 2'x5' Brick Inlet Top Curb 165⁶⁶
48"
R.C.P
8'-15" R.C.P.
150 Out
150 In
29.5' b.b
29.5' b.b
PAWNEE
AVE

NOTE: See sheet 2 for Channel alignment.

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.

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

NOTE: Contractor to co-ordinate utility crossings and paving project with other contractors.

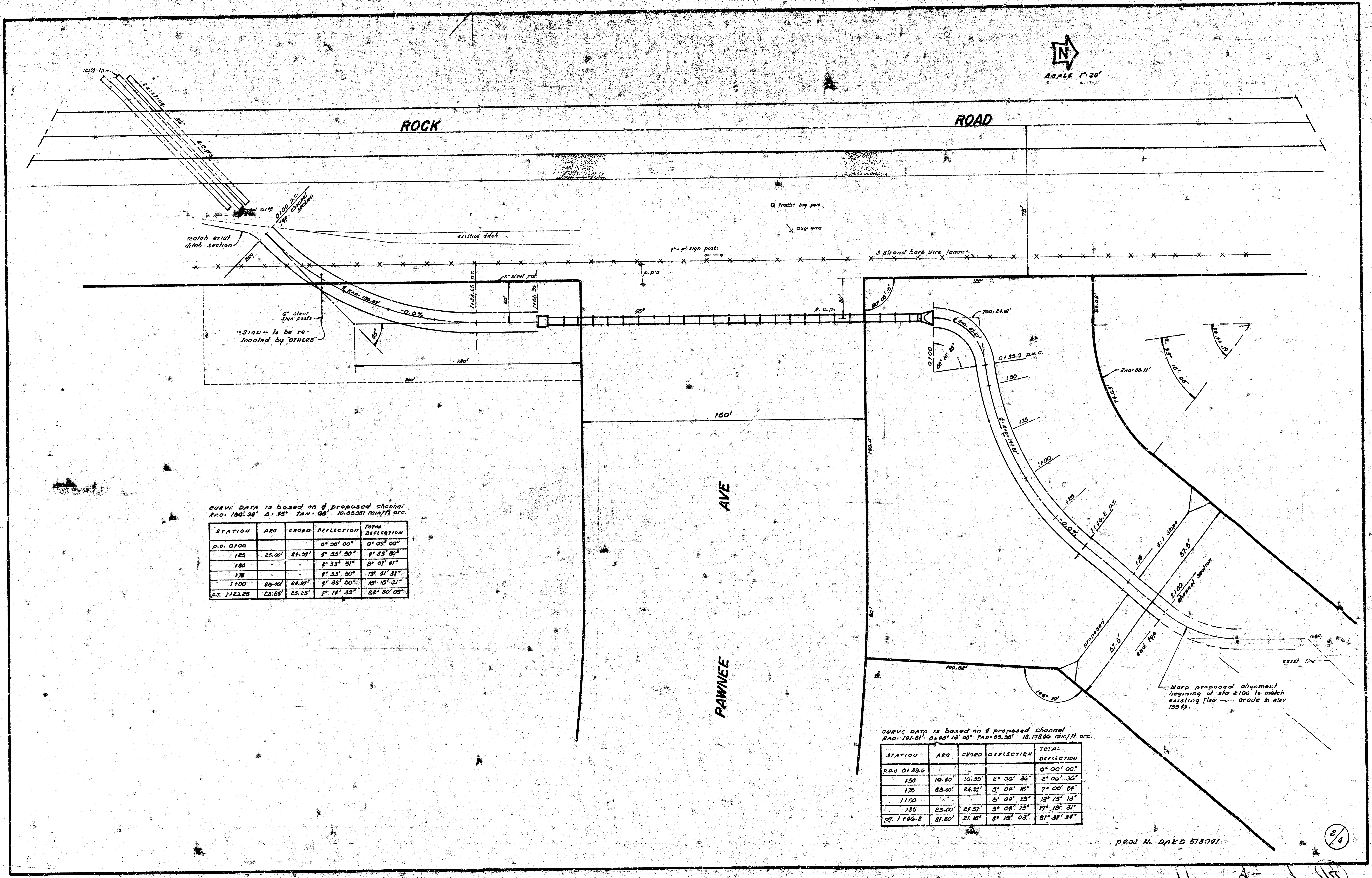
Install Reinf conc flare end section. (alternate 54" c.m.p. end section.) Requirements same as 54" C.M.P.

"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

1/4

11 - Engr
1 - Water

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



CURVE DATA is based on ℄ proposed channel
RAD: 150.92' Δ: 45° TAN: 65' 10.35351 min/ft arc.

STATION	ARC	CHORD	DEFLECTION	TOTAL DEFLECTION
P.C. 0+00			0° 00' 00"	0° 00' 00"
+25	25.00'	24.97'	4° 35' 50"	4° 35' 50"
+50	"	"	4° 33' 51"	9° 07' 41"
+75	"	"	4° 33' 50"	13° 41' 31"
1+00	25.00'	24.97'	4° 33' 50"	18° 15' 21"
P.T. 1+23.25	23.25'	23.23'	4° 14' 39"	22° 30' 00"

CURVE DATA is based on ℄ proposed channel
RAD: 141.21' Δ: 45° 13' 08" TAN: 53.98' 12.17246 min/ft arc.

STATION	ARC	CHORD	DEFLECTION	TOTAL DEFLECTION
P.R.C. 0+39.6				0° 00' 00"
+50	10.40'	10.39'	2° 06' 36"	2° 06' 36"
+75	25.00'	24.97'	5° 04' 18"	7° 00' 54"
1+00	"	"	5° 04' 19"	12° 15' 13"
+25	25.00'	24.97'	5° 04' 18"	17° 19' 31"
P.T. 1+46.2	21.20'	21.18'	4° 18' 03"	21° 37' 34"

PROJ No. DAKC 573041

2/4