P.O.T. Sta 2+97.93
¾" Iron Pipe @ P.O.T.
North Property Line, Edgemont Place

P.O.T. Sta. 6+60.88
½" Iron Pipe @ P.O.T.
Iron on ℄

Proj. Sta 4+84+
Ch. Ch. Sta. 10+00

Sta. 5+23.60 Construct 61.5 Lin. Ft. Concrete Retaining Wall & Chain Link Fence, Lt. See Sheet No. 6

Scale: 1"=20'

PLACE

EDGEMONT

℄ VASSAR STREET

R/W 40' ℄

Sta. 3+60 Begin Embankment

Sta. 6+12 End Embankment

Base Line

EL W STREET

Ho.

(Abandoned)

8" San. Sewer (by others)

Sta. 4+84, Construct 19'-26'-19" Continuous RC. Slab Span Bridge Pile Bent Type Abutments & Piers. 43'-8" Roadway & 4'-4" Sidewalks.

SUMMARY OF GRADING QUANTITIES

Common Excavation (Chan. Change):	1,040 Cu. Yds.
Common Excavation (Contr. Furnish):	1,520 Cu. Yds.
Total Excavation	2,560 Cu. Yds
*Compacted Fill Required:	
South Approach	1,070 Cu. Yds
North Approach	950 Cu. Yds.
Total	2,020 Cu. Yds.
Uncompacted Fill Required:	
Channel Fill, Rt. Sta. 5+55:	30 Cu. Yds.

*The item of compacted fill includes all compaction of whatever type within limits indicated. Approximate quantities are as follows:
Type B(MR-90): 1540 Cu. Yds.
Type AA(MR-5): 480 Cu. Yds.
(Shrinkage allowance of 25% provided)

CURVE DATA (Channel Change)
Δ (60°)
D = 57°17'45"
R = 100.00'
L = 104.72'

60°

Ramp Down

4' Min. Ramp Down

Slope to Drain

CONC. ARCH BRIDGE

Encasement

Rock Ref. Wall

Reinf. Conc. Riprap (5")

SECTION A-A

℄ Channel

Pay Width

Varies

GROUTED STONE DITCH LINING

℄ Pier Piles

Wrap Piles with 1"x6" Exp. Joint Filler (Typ.)

℄ Proj

℄ Brg. Abut.

Grouted Stone Ditch Lining

El. 143.0

El. 143.5

El. 148.80

El. 151.95

½" Exp. Jt. Filler (Type B)

PART PLAN
CONCRETE RIPRAP LAYOUT

Score @ 4' Ctrs. Slope Varies

6X6/10-10 Welded Wire Fabric, bend into toewall.

SECTION B-B

Profile Grade (Top of Curb)

30' 45' b/b 30'

Fin. Gr. (Pvmt) Slope ¼"/Ft.

Compaction (Type AA)(MR-5)

Compaction (Type B)(MR-90)

TYPICAL ROADWAY SECTION
(FILL)

-1.98% Rt
-1.98% Lt

122.34' V.C. Rt
100' V.C. Lt.

100' V.C.

-1.60%

+0.80%

D.W.S. El. 148.0

NOTE: Top of Curb Profile = Crown Gr. on Bridge.

Design Water Surface Profile

El. 141.4
+0.75% ℄ Prop Ch. Ch.

CHANNEL-CHANGE PROFILE

40'-0"
Grouted Stone Ditch Lining
8'-0"
El. 143.5
El. 143.0
El. 141.4
5" Conc. Riprap

CHANNEL SECTION AT BRIDGE

+32.80 Lt. 151.20
Rt. 151.60

+42.80 PVI Lt. El. 150.21
150.66
+53.97 PVI Rt. El. 150.39
150.94

+32.80 PVT Lt.
151.01

+15.14 PVT Rt.
151.37

+3.4 P.V.C.
151.67

+8.4 PVT El. 152.47
152.07

+3.4 PVT
151.67

+74.72 P.V.C.
151.02

150.69

+24.72 PVT El. 150.22
150.52

+7.4.72 PVT
150.62

150.62

NOTE:
RIPRAP: Reinforced Concrete Riprap shall be of Class "A" Concrete. Wire Reinforcing Mesh shall be composed of No. 1.4 steel wire spaced at 6" centers each way. Reinforcement as shown is included in unit price bid for "Reinforced Concrete Riprap (5")". Measurement of concrete shall be in Sq. Yds. and shall be the outside surface area, including the toe wall, regardless of the thickening shown on the Plans.

CITY OF WICHITA, KANSAS
R. W. LINN, P.E., CITY ENGINEER

VASSAR STREET BRIDGE
OVER SLEEPY HOLLOW CREEK

CONTOUR MAP & PROFILE

DELAMATER, FREUND & SCHERER, P.A.
ENGINEERS & ARCHITECTS
WICHITA, KANSAS

SCALE

DATE December, 1975

DWG. NO. 79-R-2

APP. CKD. TR. DR. DES. PLOT. SURV.