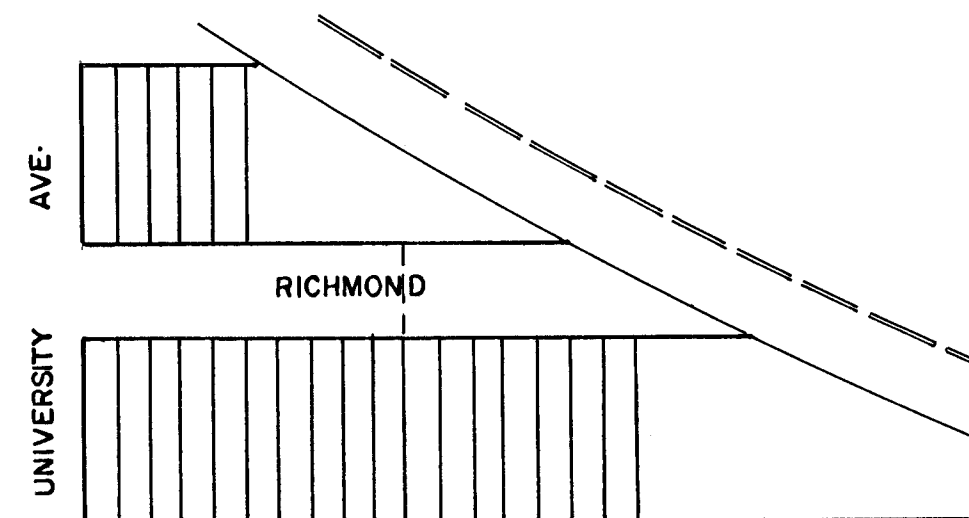


RICHMOND

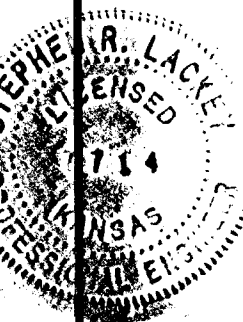
S·L·Lot 377, Martinson 5 th Add· TO Inc· Cul-de-sac



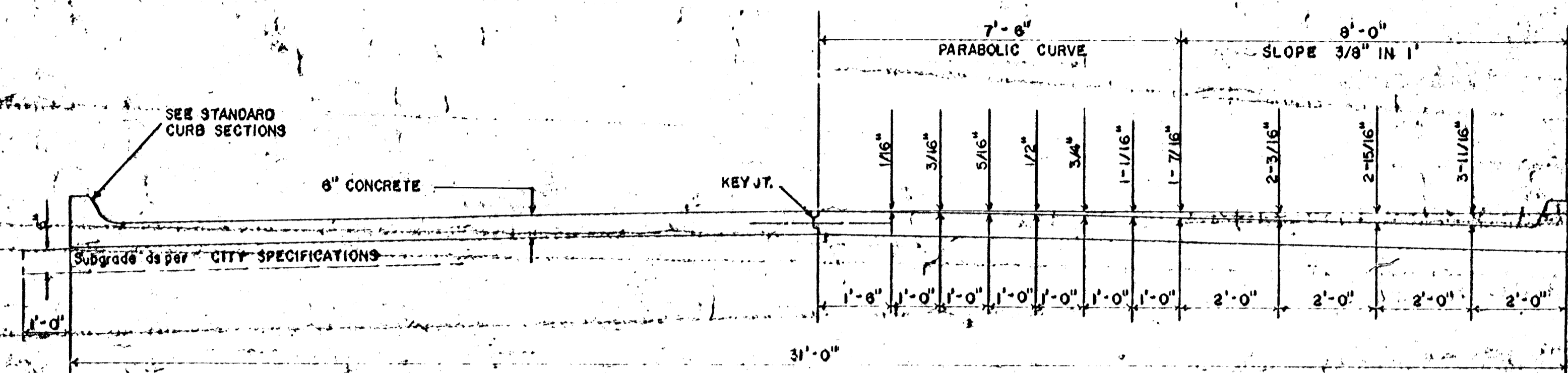
City of Wichita, KS

R·W·Bruggeman Director Of Engineering/CityEngineer

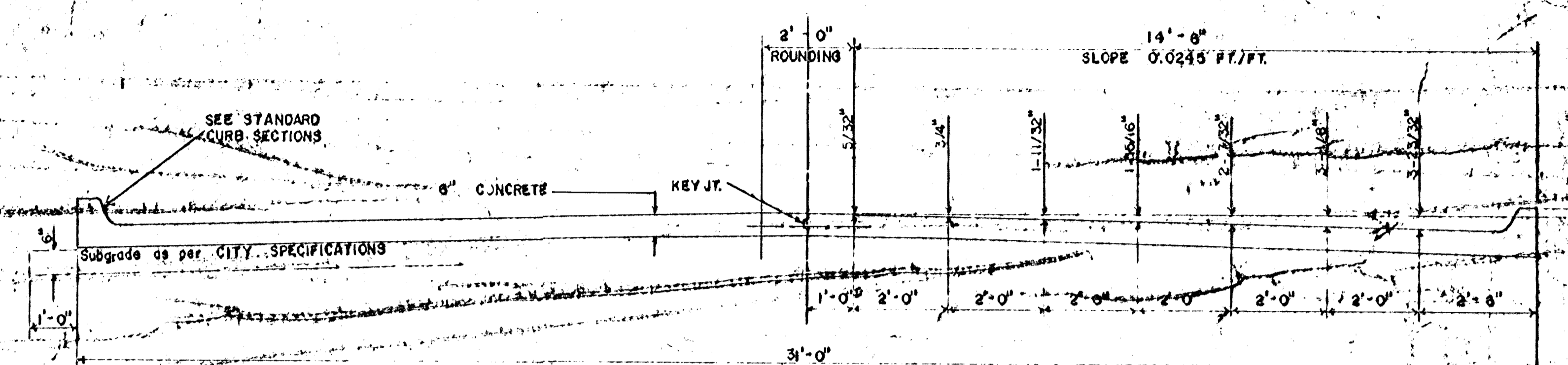
Proj·No·472-76-245-80673-000-000-001



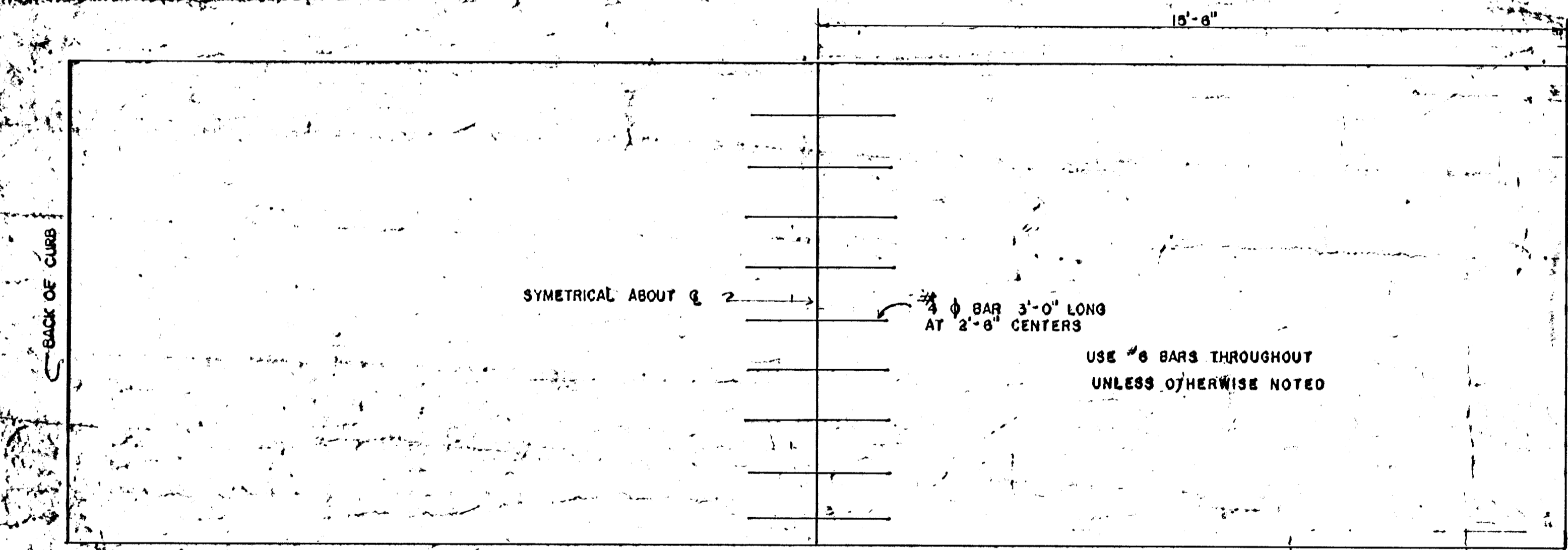
TYPICAL SECTIONS OF 30' CONCRETE PAVEMENT



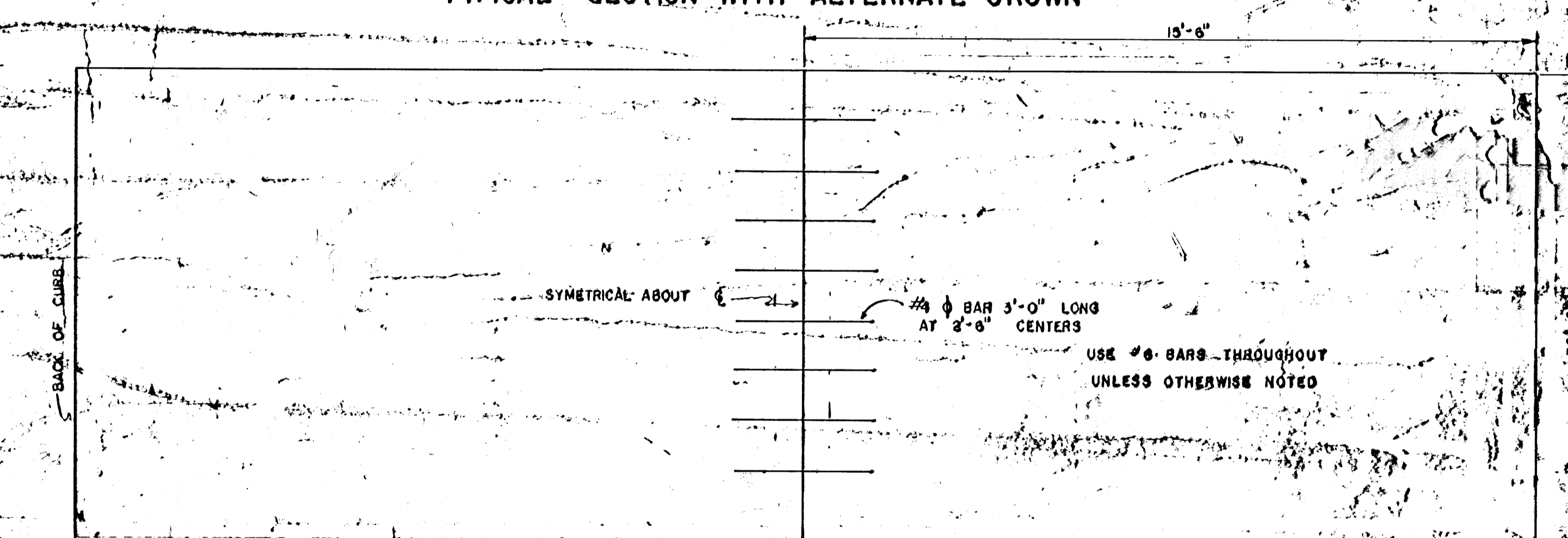
TYPICAL SECTION WITH STANDARD CROWN



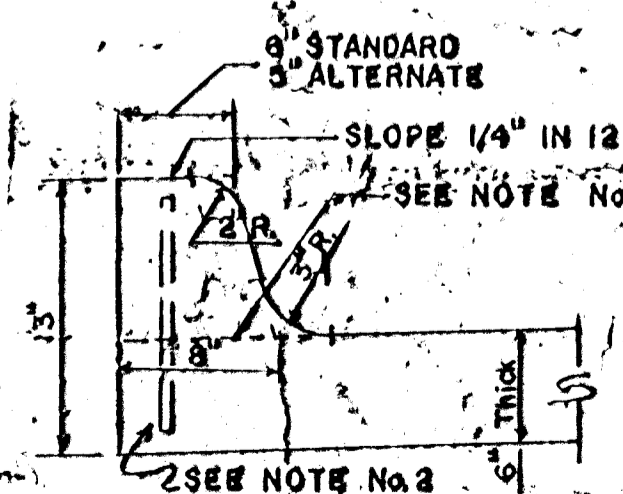
TYPICAL SECTION WITH ALTERNATE CROWN



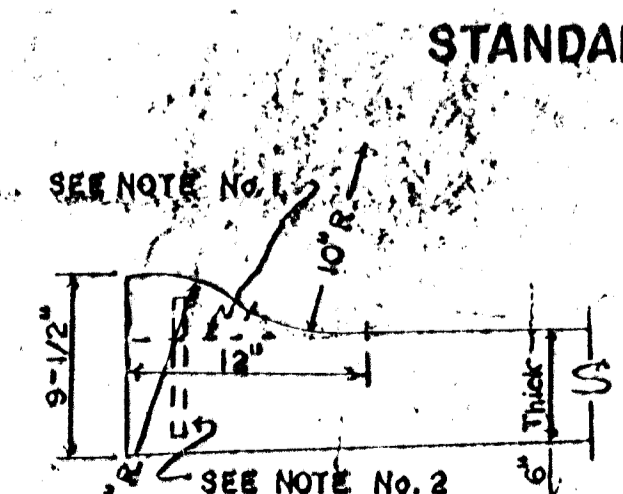
STEEL PATTERN



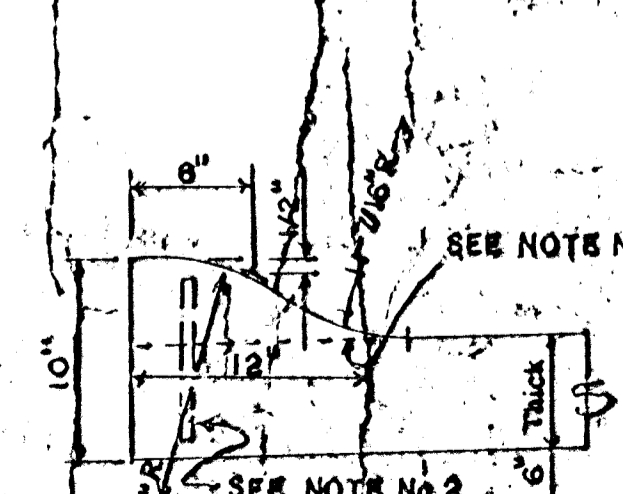
STEEL PATTERN



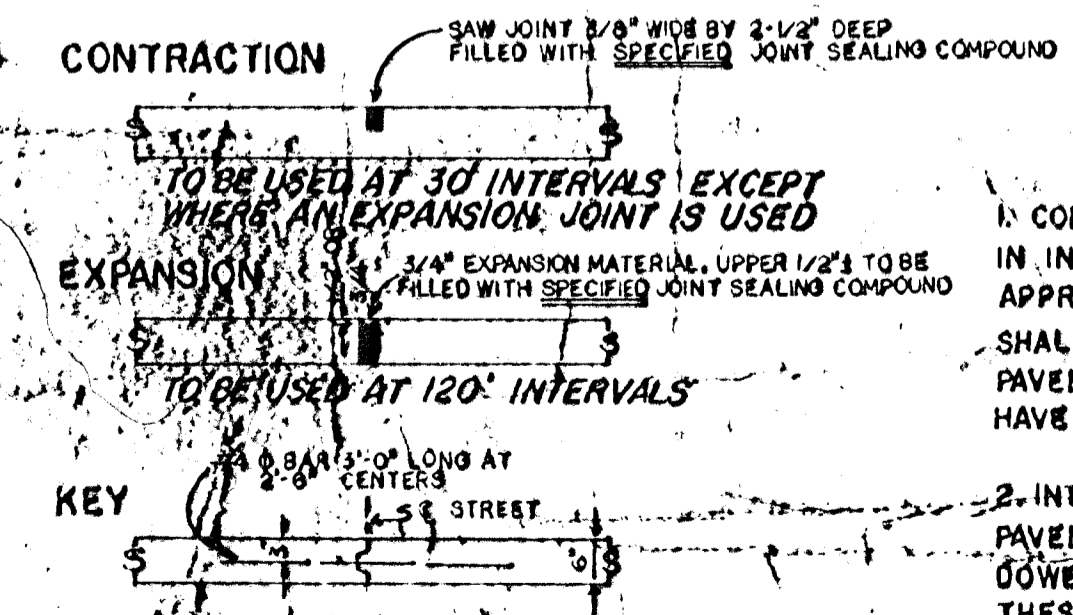
INTEGRAL CURB



ROLL-TYPE



ALTERNATE ROLL-TYPE



JOINT DETAILS

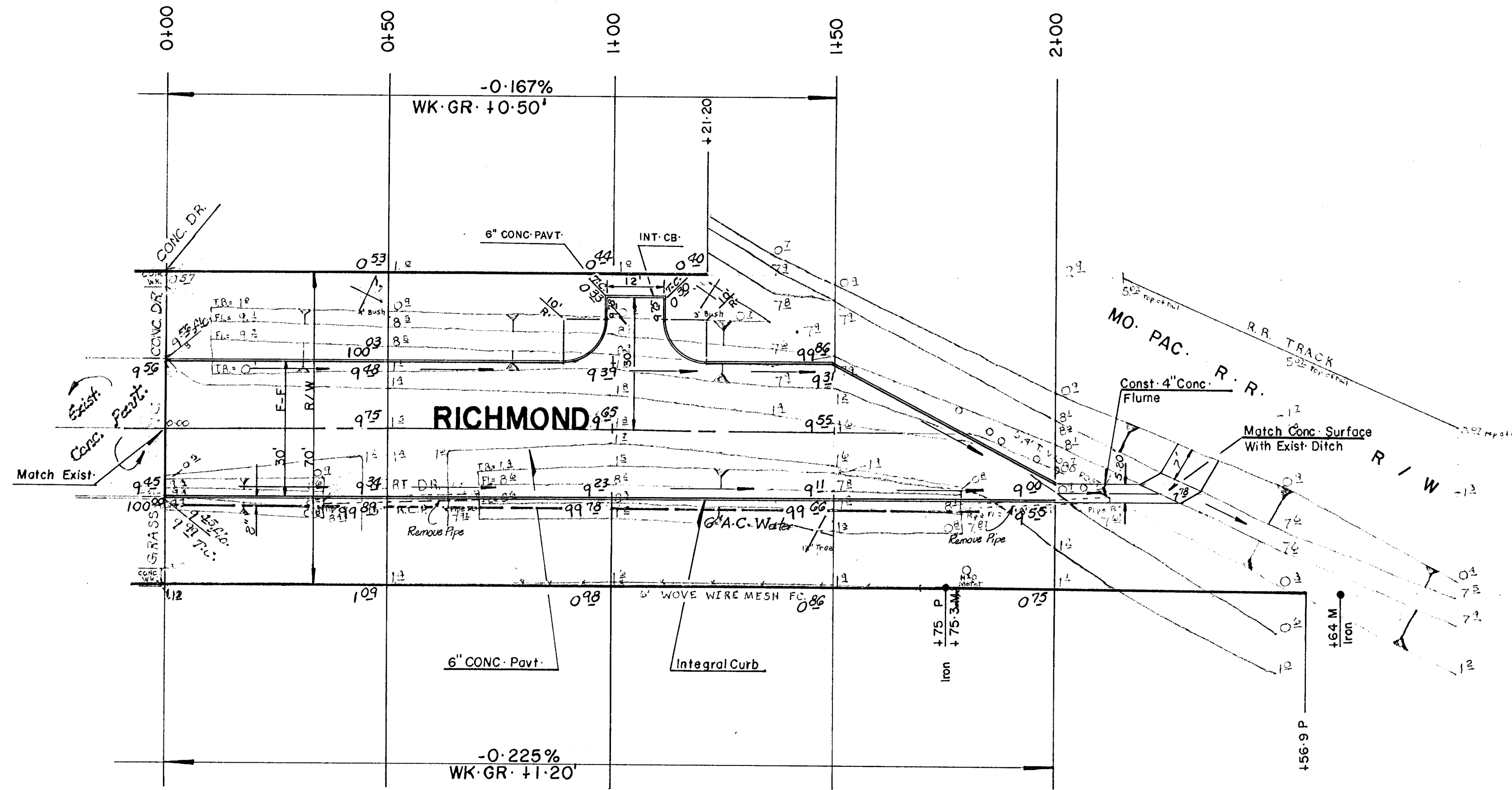
- GENERAL NOTES**
- CONTRACTION JOINTS MAY BE CONSTRUCTED IN INTEGRAL CURBS BY SAWING WITH AN APPROVED CONCRETE SAW. THE SAW CUT SHALL EXTEND THROUGH THE CURB TO THE PAVEMENT. SAWED CONTRACTION JOINTS SHALL HAVE A MAXIMUM SPACING OF 10'.
 - INTEGRAL CURB SHALL BE TIED TO THE PAVEMENT BASE WITH SHORT DEFORMED DOWEL BARS SPACED AT 2'-6" INTERVALS. THESE DOWEL BARS SHALL NOT BE LESS THAN 1/2" OR MORE THAN 3/4" IN DIAMETER.
 - CONTRACTION JOINT ARE TO BE SAWED AT A MIN. SPACING OF 12'

CITY OF WICHITA, KANSAS
DEPARTMENT OF ENGINEERING

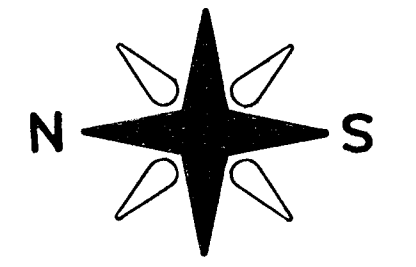
R. W. BRUGGEMAN - DIRECTOR OF ENGINEERING/CITY ENGINEER

DATE: PROJ. No.

B.M. = 111-28 Meridian & Maple, Brass Rod In Concrete Post, N.E. Cor.
 26.7' N. Of C.L. Maple E. & 31.2' E. Of C.L. Meridian N.



- Notes:
- 1- Regrading Of Ditch In Connection With Construction Of The Conc. Flume To Be Incidental To Project.
 - 2- No More than 3-20' Drive ways Approches Or the Equivalent to Be Constructed.
 - 3- Construction Joint Are to Be Sawed at a Minimum Spacing Of 12'



Scale : 1" = 20'

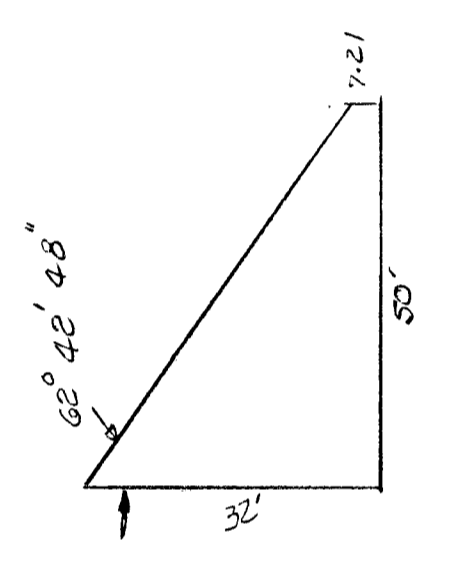
Survey with Comb
 Plot with Mylar
 Drawing Section

SUB-GRADE
 TYPE OF SUB-GRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER. SUB-GRADE TREATMENT MAY CONSIST OF LIME TREATMENT, CEMENT TREATMENT, SUB-GRADE MODIFICATION, OR ANY COMBINATION OF THESE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

CAUTION
UNDERGROUND UTILITIES
 Please check with K G & E or
 Southwestern Bell
 Telephone Co. for Location

RICHMOND



$A = 980.37 \text{ ft}^2$
 ave. depth = 1.3
 $\text{Exc.} = 141.6 \text{ c.y.}$

Station	Exc. (c.y.)	Area (ft ²)	Volume (c.y.)
100	141.6	980.37	127.50
95	152.9	922.2	140.00
100	166.3	782.4	107.50
95	114.5	165	16.5
TOTAL			574.8 c.y.