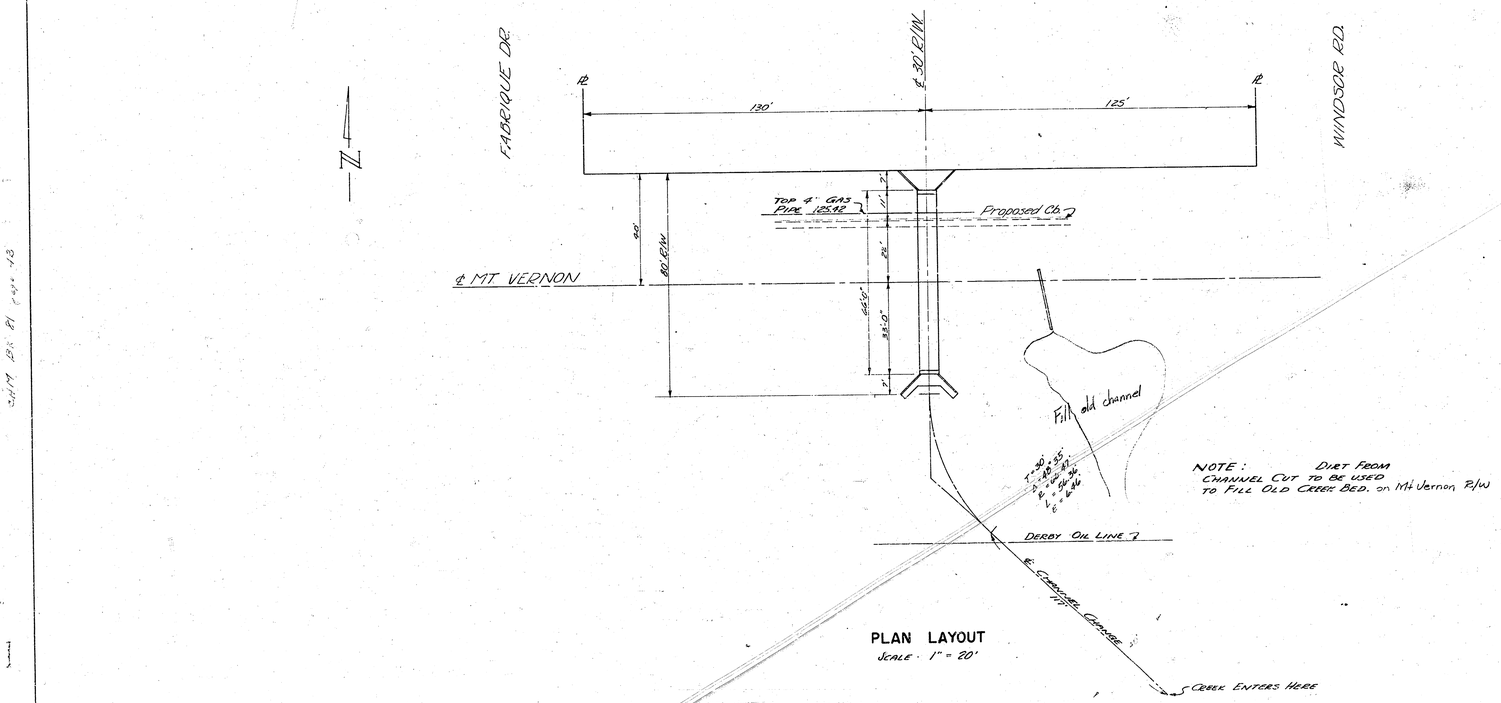
7'x 4' R.C.B.

MT. VERNON RD.

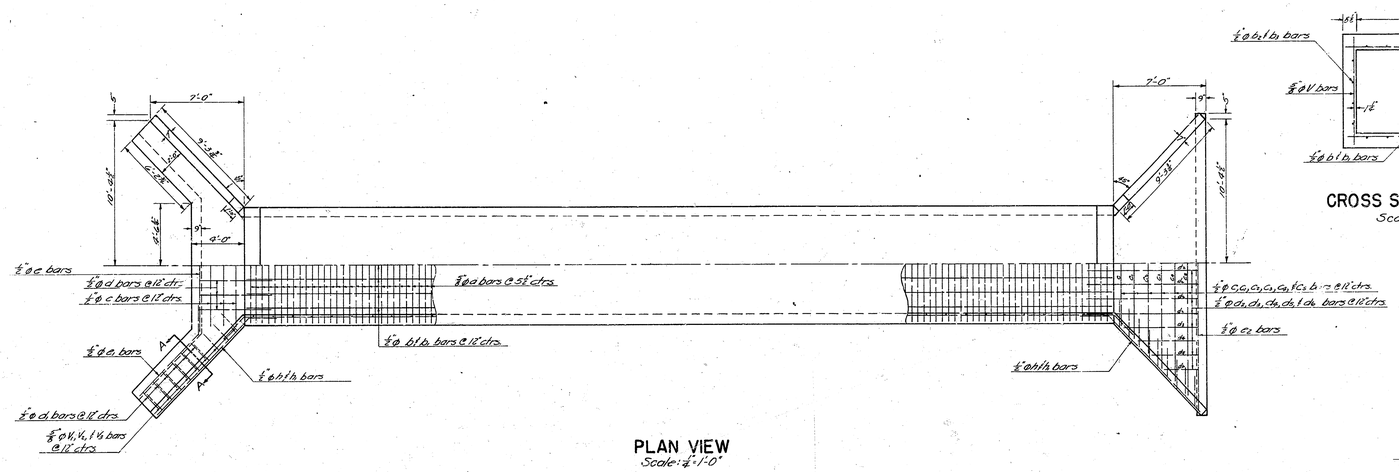
B.M. 132.53 S.W. Cor. Back Porch No. # 1931 Windsor
B.M. 132.67 "M" in Mueller Fire Hyd., N.E. Windsor & Mt. Vernon
B.M. 131.33 "M" in Mueller Fire Hyd, N.E. Fabrique & Mt. Vernon



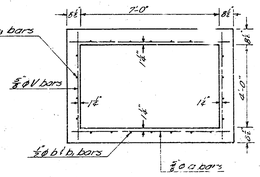
PLAN LAYOUT
SCALE · 1" = 20'

R. E. SMITH
LICENSED
436
ASSOC.
PROFESSIONAL ENGR.

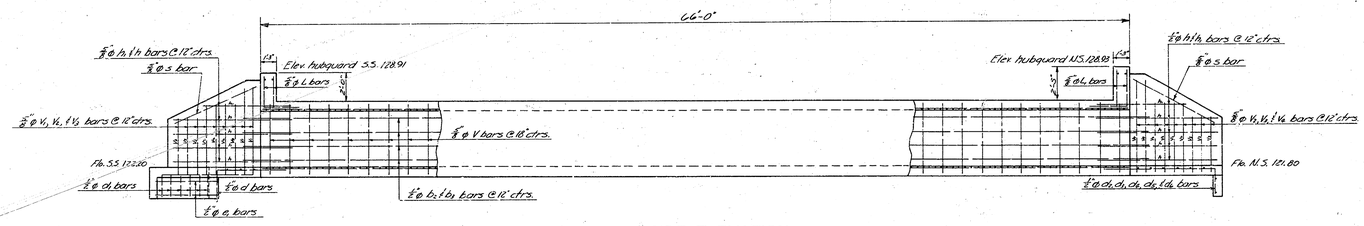
1/5



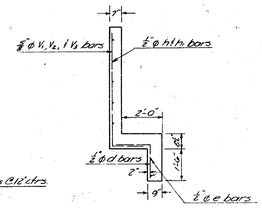
PLAN VIEW
Scale: ¼"-1'-0"



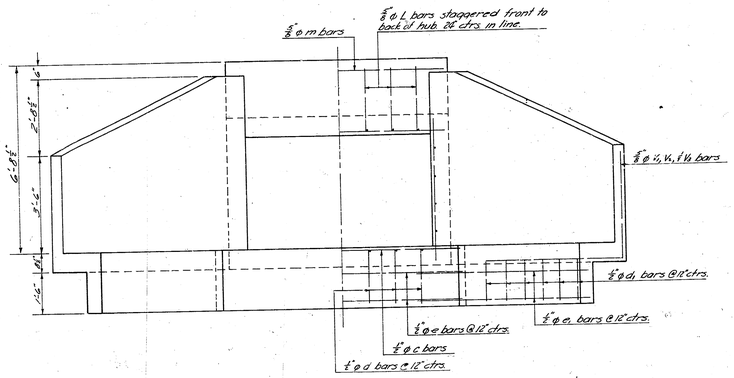
CROSS SECTION OF BOX
Scale: ¾"-1'-0"



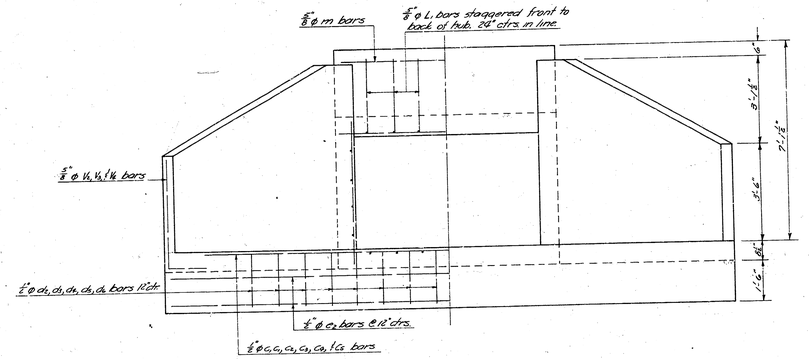
SIDE ELEVATION
Scale: ¼"-1'-0"



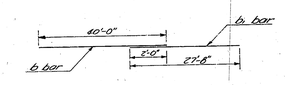
SECTION A-A
No Scale



SO. END ELEVATION
Scale: ⅜"=1'-0"

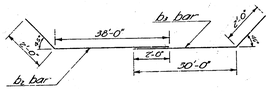


NO. END ELEVATION
Scale: ⅜"=1'-0"



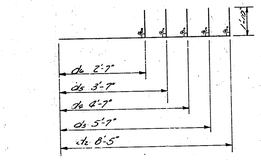
b & b₁ bar splice

Note: Splice of b & b₁ bars to be alternated

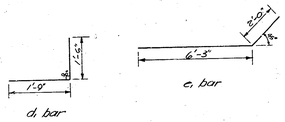


b₂ & b₃ bars

Note: Splice of b₂ & b₃ bars to be alternated

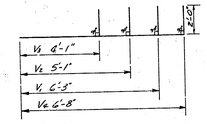


d₁-d₆ bars

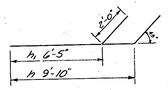


d₁ bar

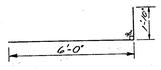
e₁ bar



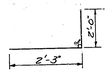
V, V₁, V₂, V₃, & V₄ bars



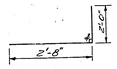
h & h₁ bars



d bar



L bar



L, bar

BAR BENDING DIAGRAMS
No Scale

STEEL SCHEDULE

BAR	SIZE	NO.	LENGTH	SHAPE	BAR	SIZE	NO.	LENGTH	SHAPE
a	⅞ø	286	8'-2"	——	e_2	⅞ø	2	21'-3"	——
b	⅞ø	14	40'-0"	——	h	"	14	11'-10"	—/
b_1	"	14	27'-8"	—/	h_1	⅞ø	4	8'-5"	—/
b_2	"	8	40'-0"	—/	L	⅞ø	7	4'-3"	—└
b_3	"	8	32'-0"	—/	L_1	"	7	4'-8"	—└
c	"	4	8'-9"	——	m	"	4	8'-1"	——
c_1	"	1	10'-9"	——	s	"	4	9'-3"	——
c_2	"	1	12'-9"	——	V	"	88	5'-5"	——
c_3	"	1	14'-9"	——	V_1	"	4	8'-3"	——
c_4	"	1	16'-9"	——	V_2	"	14	7'-1"	—└└
c_5	"	1	18'-9"	——	V_3	"	12	4'-1"	—└
c_6	"	7	7'-10"	—└	V_4	⅞ø	4	6'-8"	—└
d_1	"	12	3'-3"	—└					
d_2	"	8	10'-3"	—└└					
d_3	"	2	7'-5"	—└└					
d_4	"	2	6'-5"	—└└					
d_5	"	2	5'-5"	—└└					
d_6	"	2	4'-5"	—└└					
e	"	2	9'-6"	——					
e_1	½	4	8'-3"	—/					

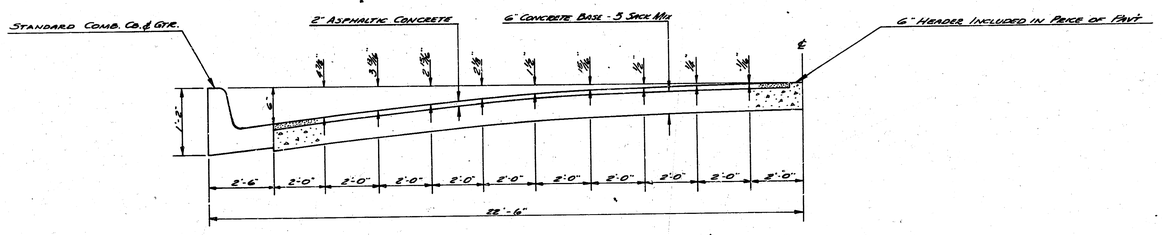
BILL OF MATERIALS

ITEM	QUANTITY	UNITS
Class A Conc.	55.8	Cu. Yd.
General Excav.	983.5	Cu. Yd.
Hand Excav.	5.1	Cu. Yd.
Reinf. Steel	4790	Lbs.
Compacted Backfill	82.3	Cu. Yd.

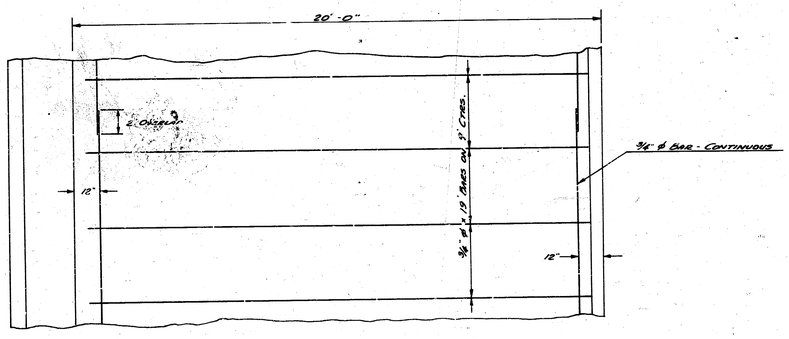
3/5

N½ MT. VERNON RD.

W. L. DROLLINGER TO W. L. WOODLAWN



TYPICAL SECTION
NO SCALE



STEEL PATTERN
NO SCALE

B. E. SMITH LICENSED 436 KANSAS PROFESSIONAL ENGINEER

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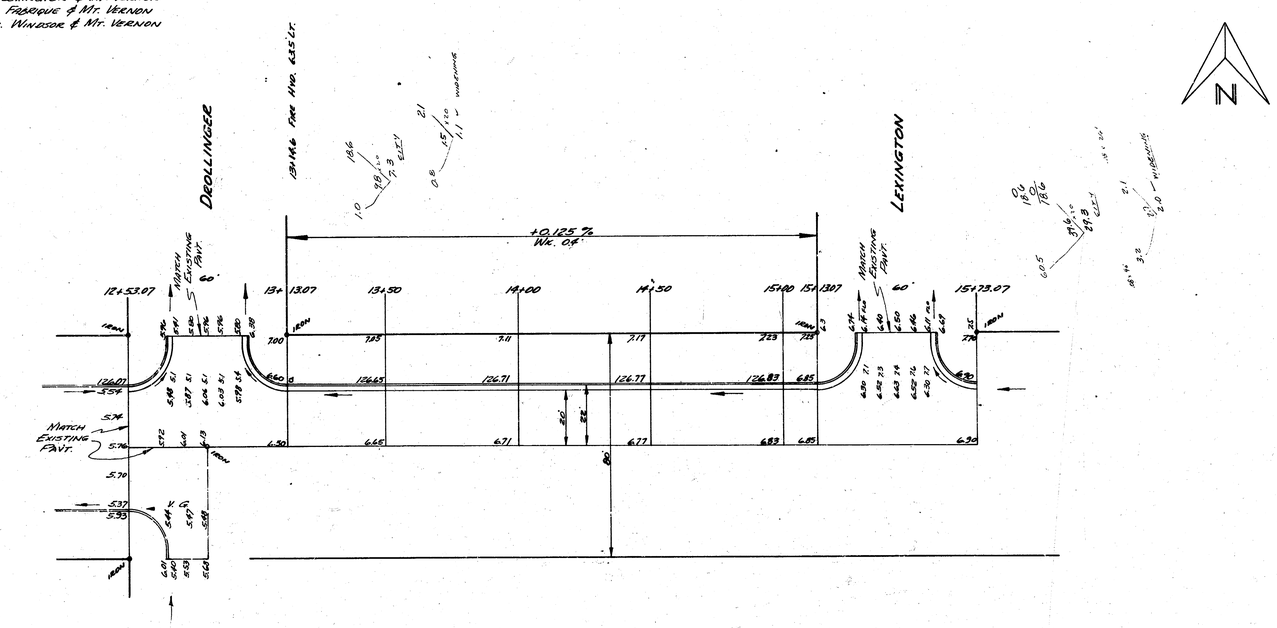
B.M. 125.63 S. Rim M.H. ℄ Green Acres, N.L. Mt. Vernon
B.M. 129.75 "M" in Mueller F. Hyd. N.E. Cor. Lexington & Mt. Vernon
B.M. 131.33 "M" in Mueller F. Hyd. N.E. Cor. Fabrique & Mt. Vernon
B.M. 132.67 "M" in Mueller F. Hyd. N.E. Cor. Windsor & Mt. Vernon

Base Line is 80' S. of N.P.L.



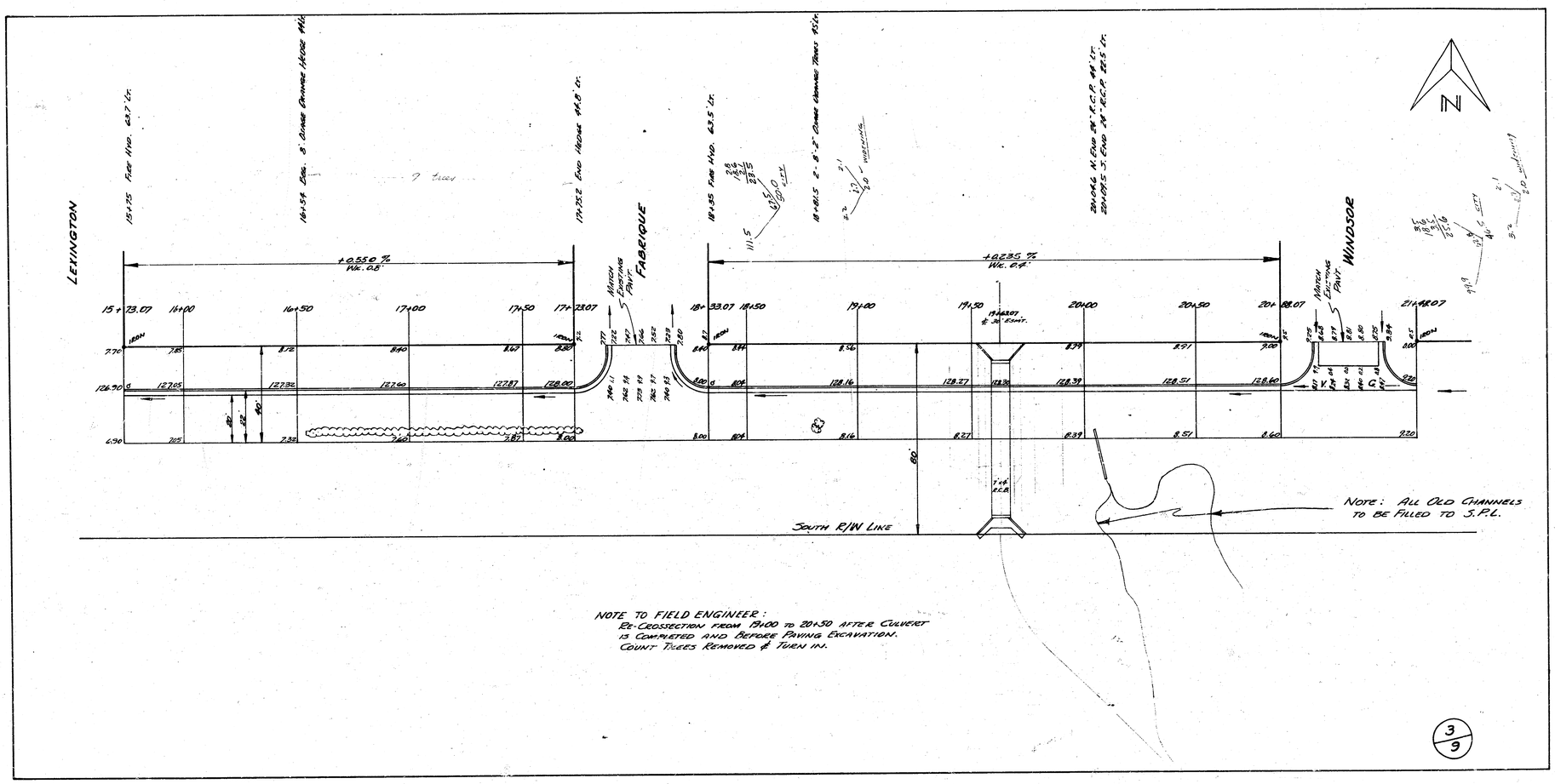
Grand Total Earthwork

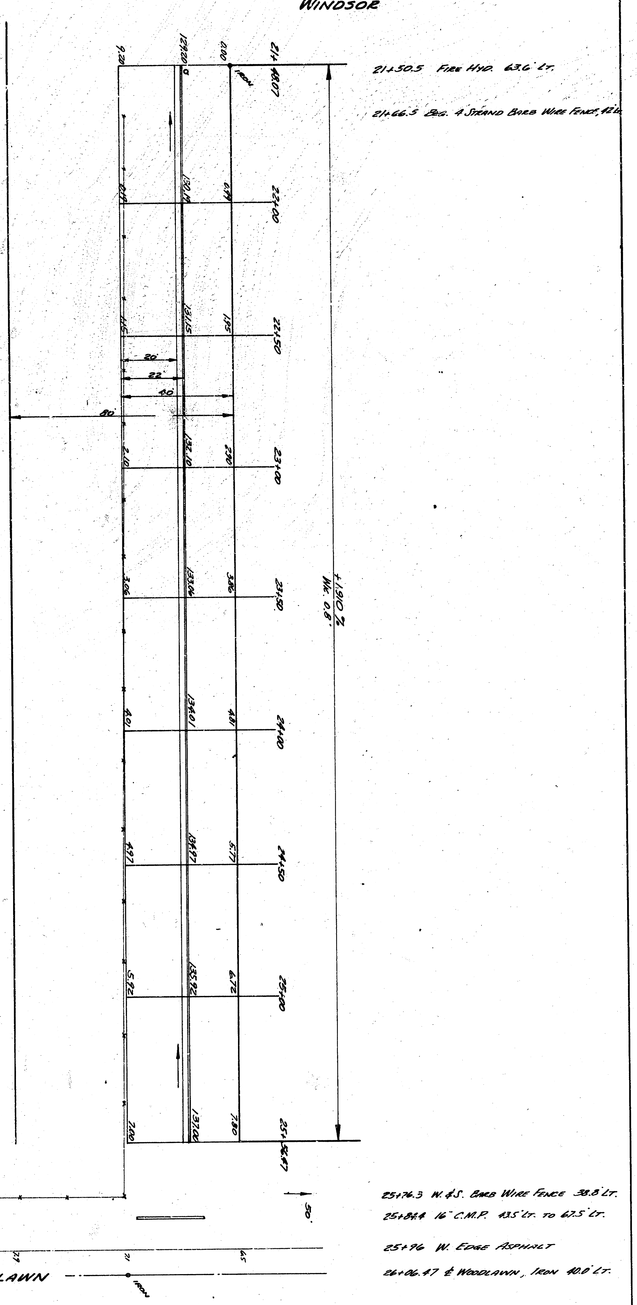
Prop. Cut	Prop. Fill	City Cut	City Fill	Widening Cut	Widening Fill
1999.0	71.2	1093.5	60.4	773.0	25.8
+10%	+10%	+10%	+10%	+10%	+10%
2198.9 cu. yds.	78.3	1202.9	66.4	850.3	28.4 cu. yds.

N ½ Mount-Vernon Rd.
W.L. Drollinger to W.L. Woodlawn
13-2-15 A.C. - Widen to 22' A.C.
City of Wichita, Kansas
B.E. Smith - City Engineer
August, 1953 - Proj. C-13-42, C13-43

2/9

Survey Wendt Bk. W-2
Plan D.L. 5-16
Exc. V.L.
Checked JT


LEXINGTON
FABRIQUE
WINDSOR
+0.550 %
Wk. 0.8'
+0.235 %
Wk. 0.4'
MATCH EXISTING PAVT.
15+73.07
16+00
16+50
17+00
17+50
17+73.07
18+33.07
18+50
19+00
19+50
20+00
20+50
20+88.07
21+48.07
SOUTH R/W LINE
NOTE: ALL OLD CHANNELS TO BE FILLED TO S.P.L.
NOTE TO FIELD ENGINEER:
RE-CROSSECTION FROM 19+00 TO 20+50 AFTER CULVERT IS COMPLETED AND BEFORE PAVING EXCAVATION.
COUNT TREES REMOVED & TURN IN.
3/9


WINDSOR
21+50.5 FIRE HYD. 63.6' LT.
21+66.5 BEG. 4 STRAND BARB WIRE FENCE, 42'
WOODLAWN
25+76.3 W. & S. BARB WIRE FENCE 38.8' LT.
25+88.4 16" C.M.P. 43.5' LT. TO 62.5' LT.
25+96 W. EDGE ASPHALT
26+06.47 ℄ WOODLAWN, IRON 40.0' LT.
N