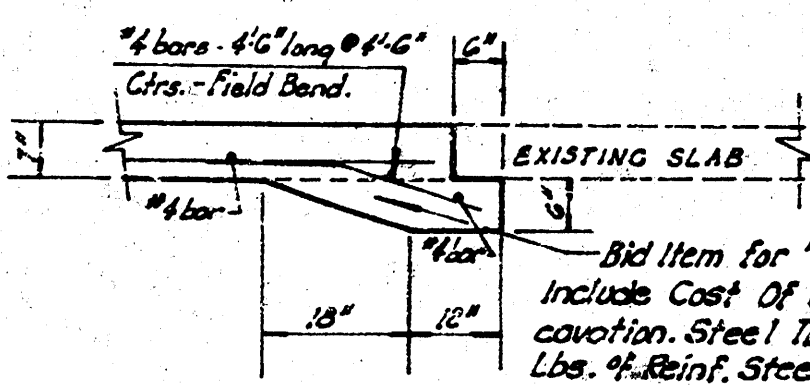
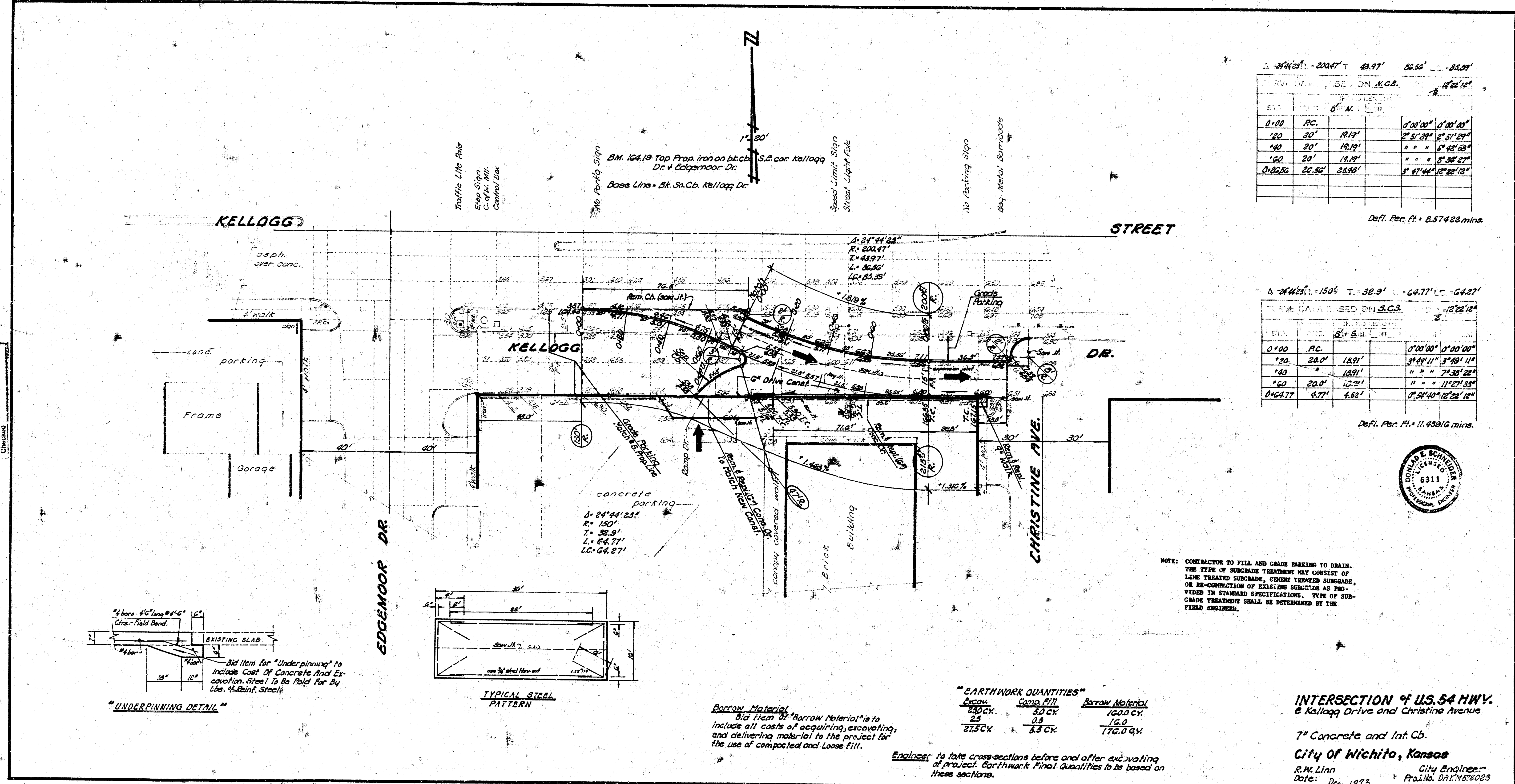
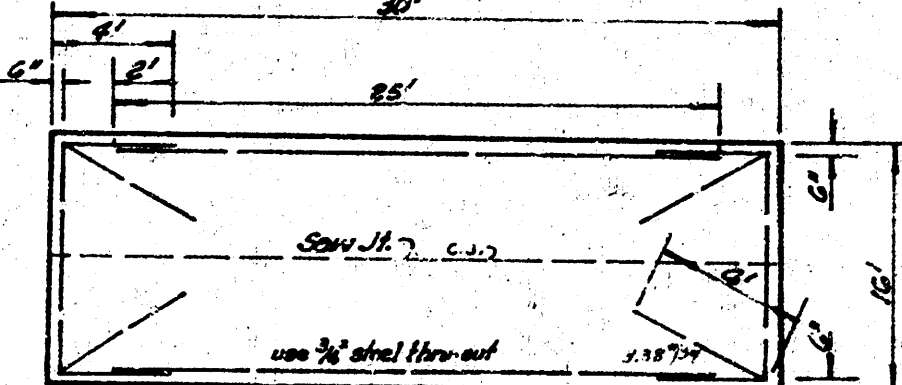


Submitted by
 Checked by
 Date



UNDERPINNING DETAIL



TYPICAL STEEL PATTERN

Borrow Material
 Bid Item of "Borrow Material" is to include all costs of acquiring, excavating, and delivering material to the project for the use of compacted and loose fill.

"EARTHWORK QUANTITIES"

Excav.	Comp. Fill	Borrow Material
130 CY	30 CY	1000 CY
24	0.5	16.0
27.5 CY	5.5 CY	176.0 CY

Engineer: to take cross-sections before and after excavating of project. Earthwork Final Quantities to be based on these sections.

Δ = 24'42" T = 2047' L = 48.91' LC = 85.89'

STATION DATA - SECTION M.C.B.

STA.	PC	PT	STATION	STATION
0+00	RC		0'00'00"	0'00'00"
20	20'	19.19'	2'51'29"	2'51'29"
40	20'	19.19'	5'42'58"	5'42'58"
60	20'	19.19'	8'34'27"	8'34'27"
0+85.89	20.52'	8.589'	8'47'44"	8'47'44"

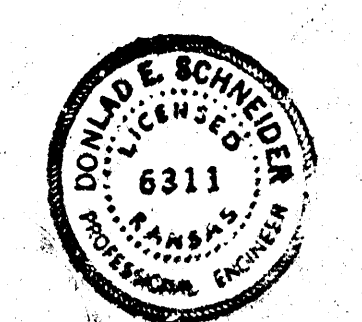
Defl. Per. Ft. = 8.57422 mins.

Δ = 24'42" T = 1506' L = 38.9' LC = 64.77' LC = 64.27'

STATION DATA - SECTION S.C.B.

STA.	PC	PT	STATION	STATION
0+00	RC		0'00'00"	0'00'00"
20	20'	18.91'	3'49'11"	3'49'11"
40	20'	18.91'	6'38'22"	6'38'22"
60	20'	18.91'	9'27'33"	9'27'33"
0+64.77	4.77'	4.52'	9'34'40"	9'34'40"

Defl. Per. Ft. = 11.45916 mins.



NOTE: CONTRACTOR TO FILL AND GRADE PARKING TO DRAIN. THE TYPE OF SUBGRADE TREATMENT MAY CONSIST OF LIME TREATED SUBGRADE, COMB TREATED SUBGRADE, OR RE-CONSTRUCTION OF EXISTING SUBGRADE AS PROVIDED IN STANDARD SPECIFICATIONS. TYPE OF SUBGRADE TREATMENT SHALL BE DETERMINED BY THE FIELD ENGINEER.

INTERSECTION OF U.S. 54 HWY. & Kellogg Drive and Christine Avenue

7" Concrete and Int. Cb.
 City of Wichita, Kansas
 R.M. Linn
 Date: Dec. 1973
 City Engineer
 Proj. No. DAK-4576023