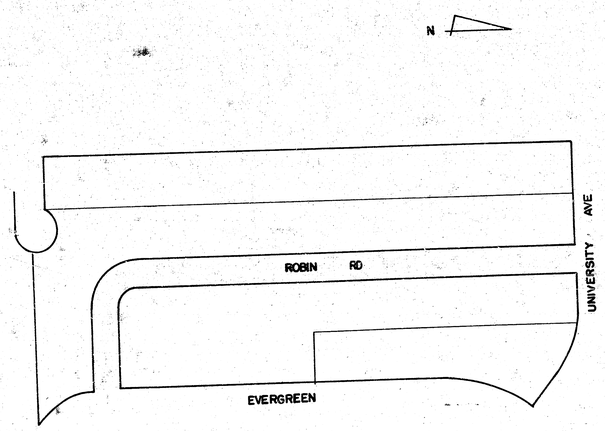
# ROBIN ROAD
## from SL University to WL Evergreen




Department of Engineering
City of Wichita, Kansas
R.W. Bruggeman Dir. Engineering / City Engineer
Proj. no. 472-76-245-80203-000-000-001
Date: _____

STEPHEN R. LACKEY
LICENSED
7714
KANSAS
PROFESSIONAL ENGINEER

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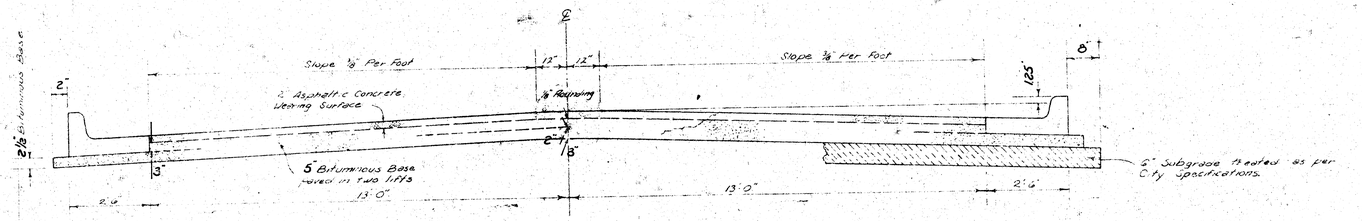
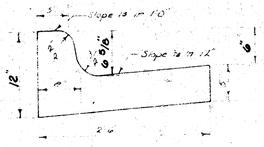
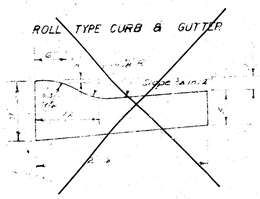



COMBINED CURB & GUTTER




ROLL TYPE CURB & GUTTER




# TYPICAL SECTION

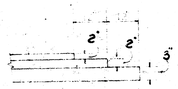
## 31' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR CROWN AND GRADE. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 1' WITH JOINTS IN PRECEDING LIFTS AND SUCH THAT A JOINT WILL BE CONSTRUCTED ON THE PAVEMENT CENTERLINE IN THE TOP LIFT.

The A.C. pavement between the Comb. Curb & Gutter shall be paid as Sq. Yds. 7" A.C. Pavement (5 Bituminous Base) The Bituminous Base under the Comb Curb & Gutter shall be paid as Sq Yds 2½ Bituminous Base.

## DETAIL OF TRANSVERSE CONSTRUCTION JOINTS




TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT TEMPORARILY ENDS TO FACILITATE FUTURE PAVEMENT CONSTRUCTION AS SHOWN BY DETAIL. THE COST OF CONSTRUCTING THE TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE MEASURED OR PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE PAVEMENT.

CITY OF WICHITA, KANSAS

DEPARTMENT OF — ENGINEERING

21/13

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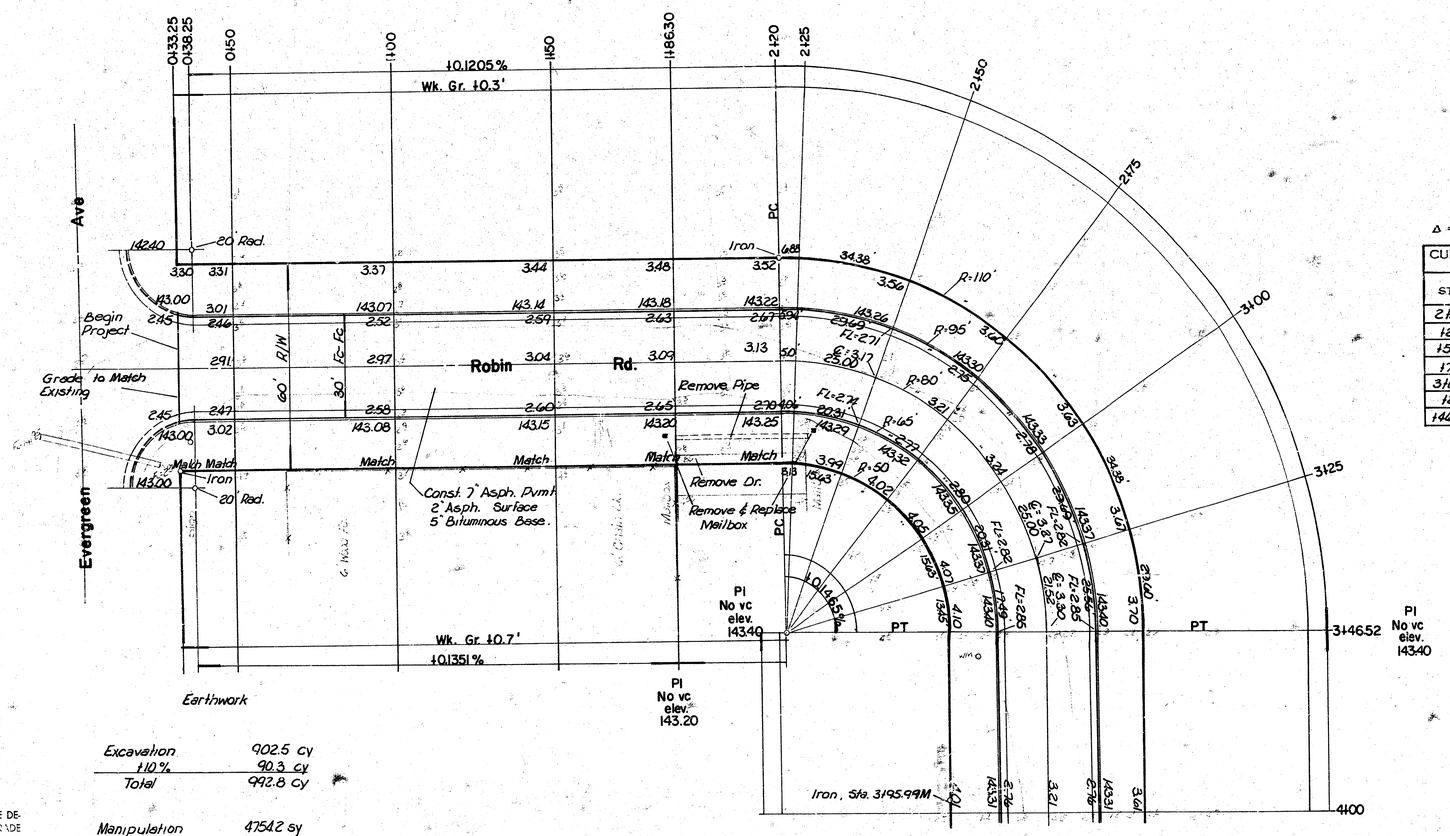
BM 146.02 SW cor. Conc. Stp. House no. 536 S Robin Rd.
BM 145.10 SE cor. Conc. Porch House no. 401 S Robin Rd.
BL is ℄ Robin Rd.

Survey Parmenter & Wigg
Plan Fleming
Exc.
Checking




| | |
|---|---|
| Excavation | 902.5 cy |
| +10% | 90.3 cy |
| Total | 992.8 cy |
| Manipulation | 4754.2 sy |

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 LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

SUB-GRADE

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

Δ = 90°34'/45° R. = 80' T. = 80.86 L. = 126.52 LC. = 113.54'

CURVE DATA BASED ON ℄ RAD. Δ/2 = 45°18'24"

| STA. | ARC. | CHORD LENGTH δ OFF ℄ PTS. | CHORD LENGTH δ OFF PCS | DEFLECTION | TOTAL DEFLECTION |
|---|---|---|---|---|---|
| 2+20 | | | | | 0°00'00" |
| 1+25 | 5.00' | 6.44 | 3.56' | 1°47'26" | 1°47'26" |
| 1+50 | 25.00' | 32.19' | 17.81' | 8°57'09" | 10°44'35" |
| 1+75 | " | " | " | " | 19°41'44" |
| 3+00 | " | " | " | " | 28°38'53" |
| 1+25 | 25.00' | 32.19' | 17.81' | 8°57'09" | 37°36'02" |
| 1+46.52 | 21.52' | 27.71' | 15.33' | 7°42'22" | 45°18'24" |

Defl. min/ft. = 21.485925

**Robin Road**
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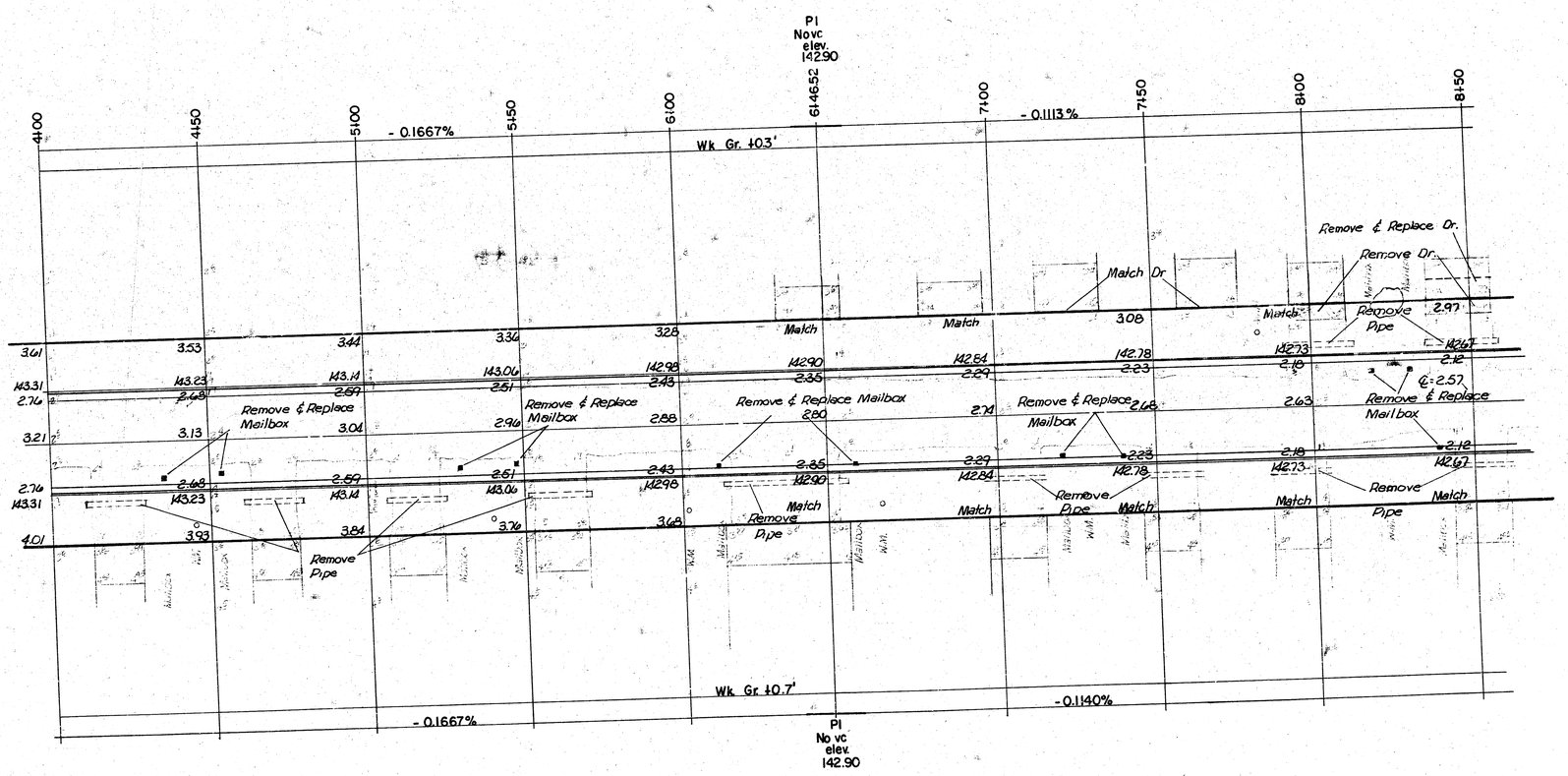


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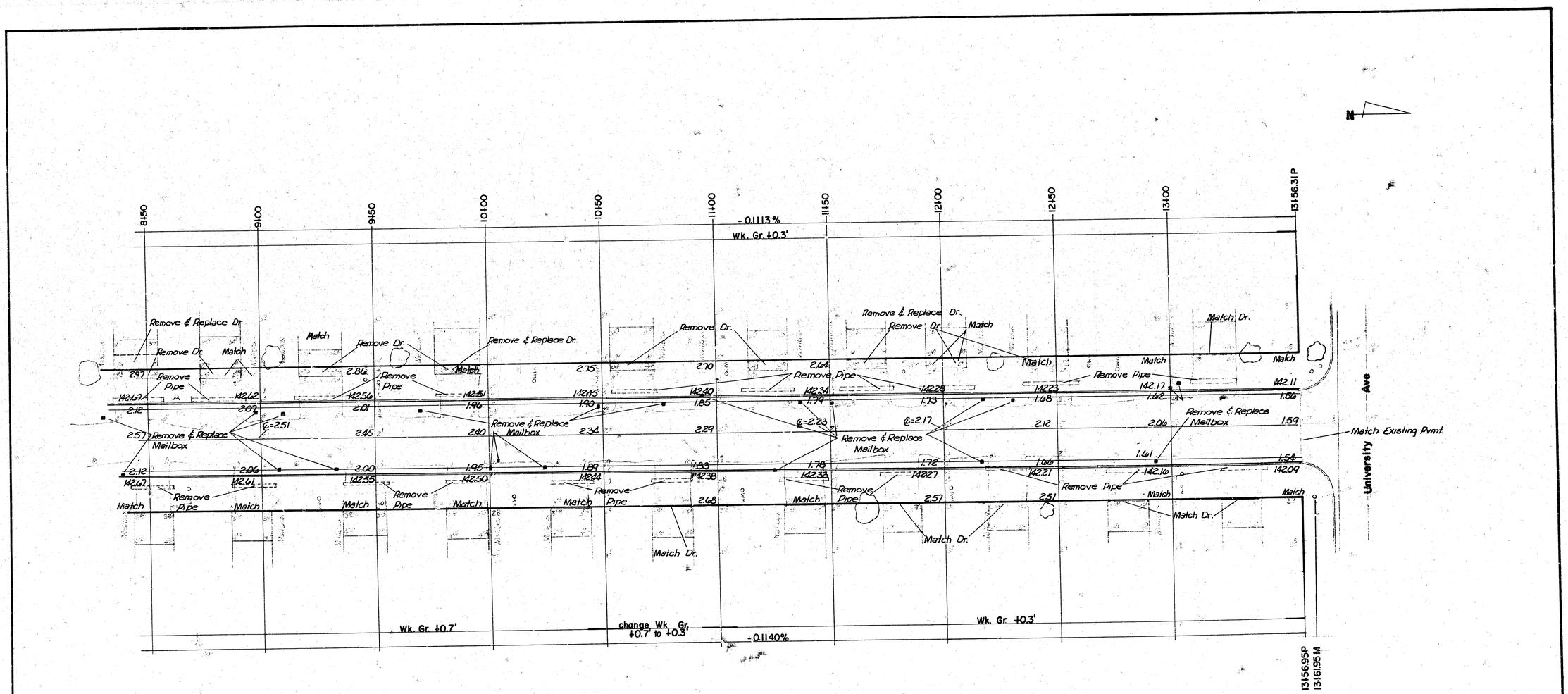


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Excav.= 8.1 cy
LF = 20.1 CY

21.5'

145 LF=6.5 C=14.8 LF=13.8
140

Excav.= 13.8 cy
LF: 16.5 cy

3+25

25'

145 LF=4.0 C=15.0 LF=11.3
140

Excav.= 16.0 cy
LF = 11.7 cy
MF= 0.5 cy

3+00

25'

145 LF:3.8 MF: 1.0 C=19.6 LF: 6.1
140

Excav.= 23.2 cy
LF: 9.6 cy
MF= 0.5 cy

2+75

25'

145 C=30.4 LF=10.8
145

Excav.= 41.3 cy
LF= 6.0 cy

2+50

30'

146 C=44.0
140

Excav.= 33.9 cy

2+20

20'

145 C=47.4
140

Excav.= 89.3 cy

2+00

50'

145 C=49.0
140

Excav.= 81.3 cy
LF= 4.2 cy

1+50

50'

145 C=4.3 LF=4.3 C=34.5
140

Excav.= 71.7 cy
LF= 7.4 cy

1+00

50'

145 C=2.3 LF=0.8 C=32.7 LF=2.6 C=3.4
140

Excav.= 28.2 cy
LF= 1.1 cy

0+50

116.8'

145 C=52.0
140

0+33.25
(WL Evergreen)

30 20 10 0 10 20 30

Earthwork
Excav.= 902.5 cy
LF: 837.4 cy
MF: 62.7 cy

Earthwork (This Sheet)
Excav.= 406.8 cy
LF.= 76.6 cy
M.F: 1.0 cy

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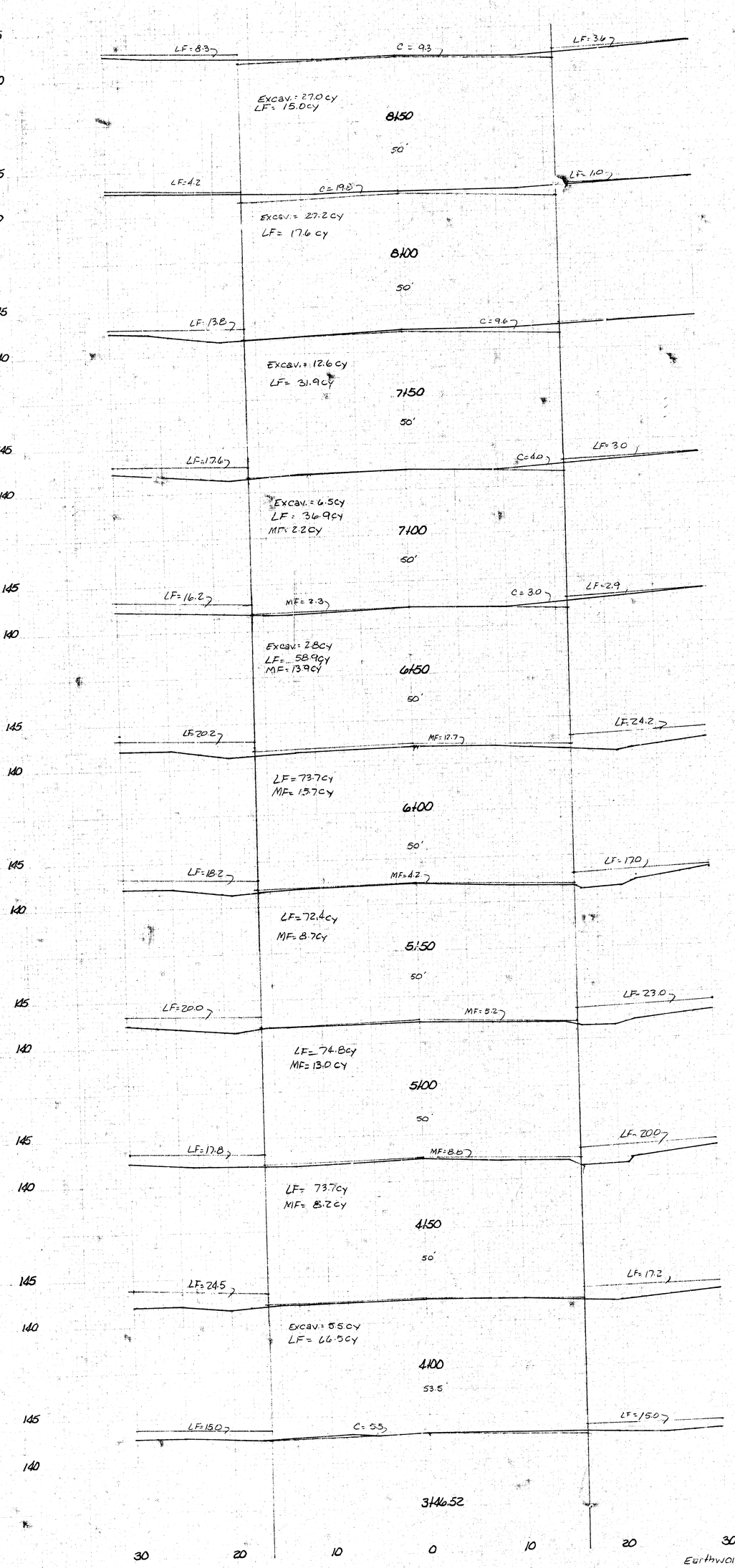


Earthwork (This sheet)

Excav.= 81.4cy
LF= 521.4cy
MF= 61.7cy



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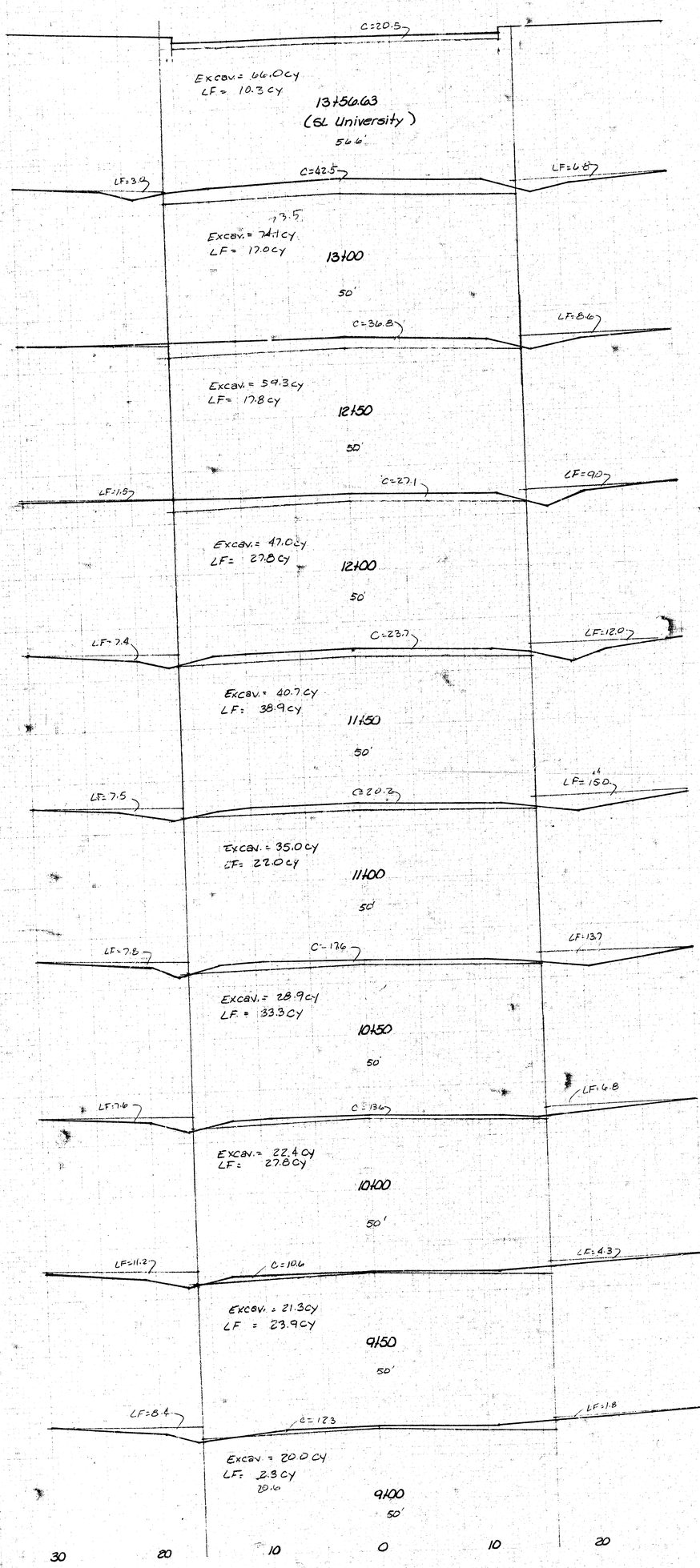


Earthwork (This Sheet)
Excav. - 414.1 cy
LF - 239.4 cy



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