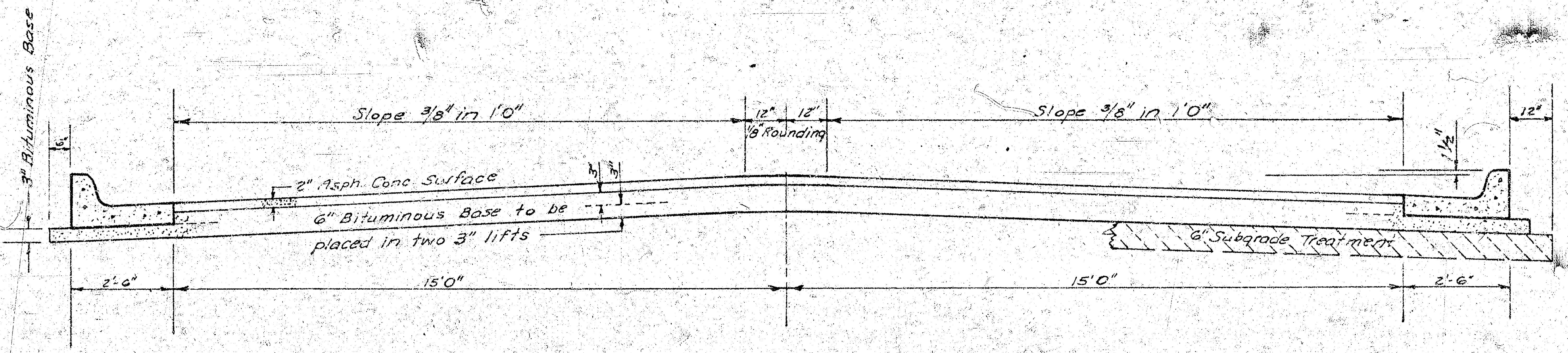
# GRAND

## S.L. LOT 2, BLK. I, QUAIL MEADOWS 2ND TO W.L. BEDELL

PROJECT NO. —— DAKS 574066

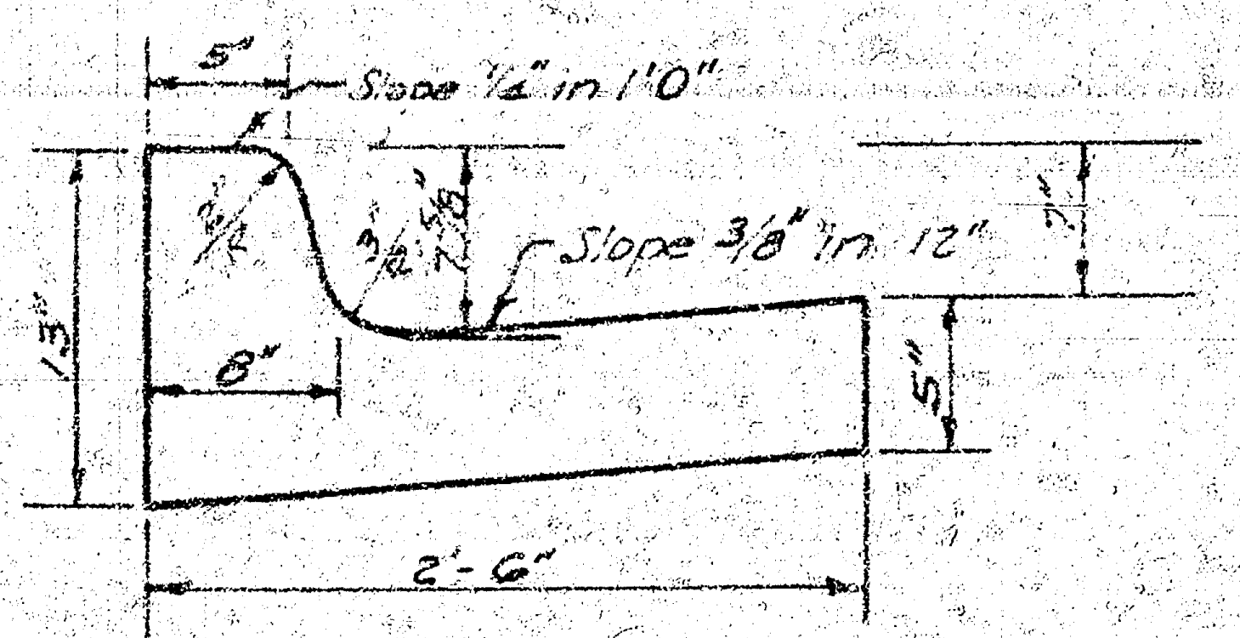
472 76 245 80233 000 000 001


3" Bituminous Base
6"
Slope 3/8" in 1'0"
12"
12"
1/8" Rounding
Slope 3/8" in 1'0"
12"
1 1/2"
2" Asph. Conc. Surface
3"
3"
6" Bituminous Base to be placed in two 3" lifts
6" Subgrade Treatment
2'-6"
15'0"
15'0"
2'-6"

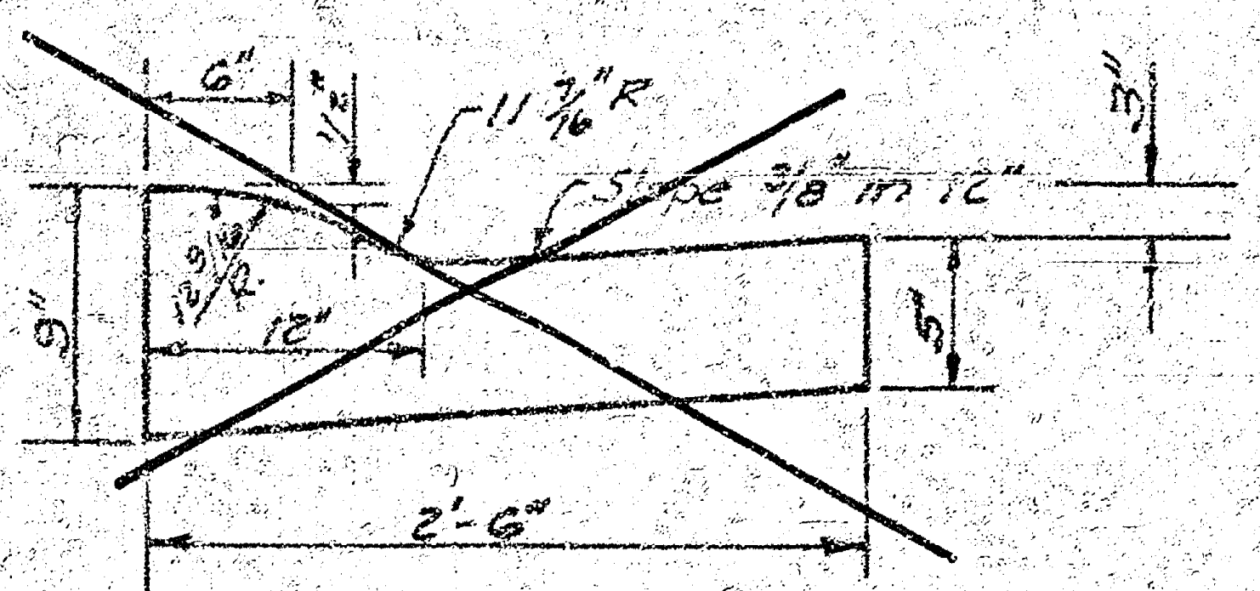
# TYPICAL SECTION

## 35' ASPHALTIC CONCRETE PAVEMENT WITH BITUMINOUS BASE

COMBINED CURB & GUTTER


5"
Slope 1/2" in 1'0"
2 1/2" R
3 1/2" R
7 5/8"
Slope 3/8" in 12"
13"
8"
7"
5"
2'-6"

~~ROLL TYPE CURB & GUTTER~~


6"
1 1/2"
11 7/16" R
Slope 3/8" in 12"
3"
9"
12 9/16" R
12"
5"
2'-6"

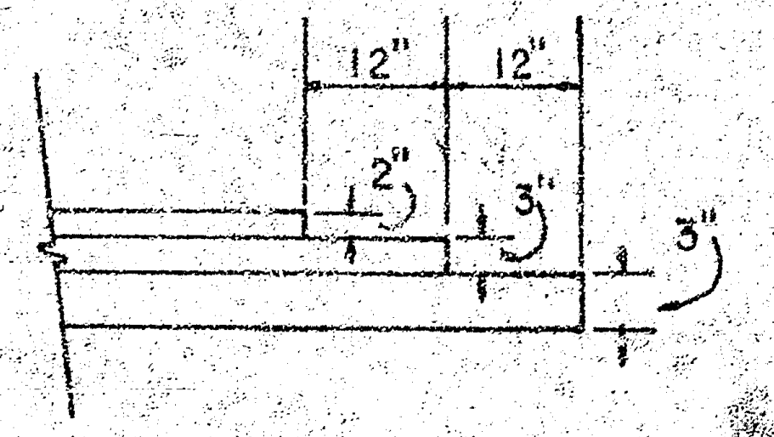
A TACK COAT OF EMULSIFIED ASPHALT (SS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE 0.05 GALLONS PER SQ YD BETWEEN LIFTS OF ASPHALTIC MATERIALS WHEN ORDERED BY THE ENGINEER. TACK COAT WILL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED AS SUBSIDIARY TO PRICE BID FOR ASPHALTIC PAVEMENT.

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

*The A.C. Pavement between the comb. curb & gutter shall be paid as Sq.Yds. 8" A.C. Pavement (6" Bituminous Base).*

*The Bituminous Base under the comb. curb & gutter shall be paid as Sq.Yds. 3" 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.

R. W. LINN
3884

CITY OF WICHITA KANSAS
DEPARTMENT of PUBLIC WORKS - Engineering Division:
R. W. LINN CITY ENGINEER
DATE ____________ Proj. No. DAKS 574066

B.M. $167^{95}$ RR. Spk. N. Side P.P. N. Side Harry & 25' E. of E.L. Bedell.
B.M. $161^{82}$ City Std. 42' W. & 48' S. of 1/4 Sec. Cor. on Harry St.
1/2 Mile E. of Rock Road.
B.M. $162^{87}$ 'a' Top W. Cb. Bedell at S.L. Grand.

Baseline is W. & S. ℄ Grand.

**Note:**
Contractor shall take ties and Replace any 'Irons' either moved or destroyed during Construction.
▭ - Indicates Removal.

Δ = 15°55'17" R. = 408' T. = $57^{06}$' L = $113^{38}$' LC. = $113^{01}$'

| CURVE DATA BASED ON ℄ RAD. Δ/2 = 7°57'39" | | | | | |
|---|---|---|---|---|---|
| STA. | ARC. | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
| | | 8' OFF L CB. | 8' OFF R CB. | | |
| $3+53^{15}$ | — | — | — | 0°00'00" | 0°00'00" |
| 3+75 | $21^{85}$' | $22^{22}$' | $25^{01}$' | 1°32'03" | 1°32'03" |
| 4+00 | 25' | $25^{42}$' | $28^{61}$' | 1°45'20" | 3°17'23" |
| 4+25 | 25' | $25^{42}$' | $28^{61}$' | 1°45'19" | 5°02'42" |
| 4+50 | 25' | $25^{42}$' | $28^{61}$' | 1°45'19" | 6°48'01" |
| $4+66^{53}$ | $16^{53}$' | $16^{81}$' | $18^{92}$' | 1°09'38" | 7°57'39" |

Defl. 1 Ft. = 4.212925 Min.

Scale: 1" = 20'

LINDEN
GRAND
BEDELL
P.I. Elev. 165.50 25.50' VC
P.I. Elev. 163.60 No VC
P.I. Elev. 163.20 No VC
-0.608 % +0.4 Wk.
-0.629 % +0.4 Wk.
-0.675 % +0.4 Wk.
-0.401 % +0.4 Wk.
0+00
0+25
0+50
$0+82^{68}$
P.T.
1+00
1+50
2+00
2+50
3+00
$3+53^{15}$
P.C.
3+75
4+00
4+25
4+50
$4+66^{53}$
P.T.
$4+98^{44}$
$5+03^{44}$
Begin Construction
Comb Cb. & Gtr.
8" AC Pavmt.
2" AC w. 6" Bit. Base
Proposed 4' Walk
Proposed 4' Walk
Water
Proposed Gas
Iron
Remove & Replace Fc. at ℄.
Remove AC to ℄.
Remove & Replace Fc. at ℄.
Match Existg. Pavmt. End Construction
Wood Fc.
6' Wd. Fc.
Rock Mat.

7°22'20" R. = 100' T. = $43^{87}$' L = $82^{68}$' LC. = $80^{35}$'

| CURVE DATA BASED ON ℄ RAD. Δ/2 = 23°41'10" | | | | | |
|---|---|---|---|---|---|
| A. | ARC. | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
| | | 8' OFF L CB. | 8' OFF R CB. | | |
| 00 | — | — | — | 0°00'00" | 0°00'00" |
| 25 | 25' | $10^{22}$' | $23^{19}$' | 7°09'43" | 7°09'43" |
| 50 | 25' | $10^{22}$' | $23^{19}$' | 7°09'43" | 14°19'26" |
| [illegible] | $32^{68}$' | $13^{34}$' | $30^{26}$' | 9°21'44" | 23°41'10" |

Defl. 1 Ft. = 17.188734 min.

**Earthwork Quanities**
Property

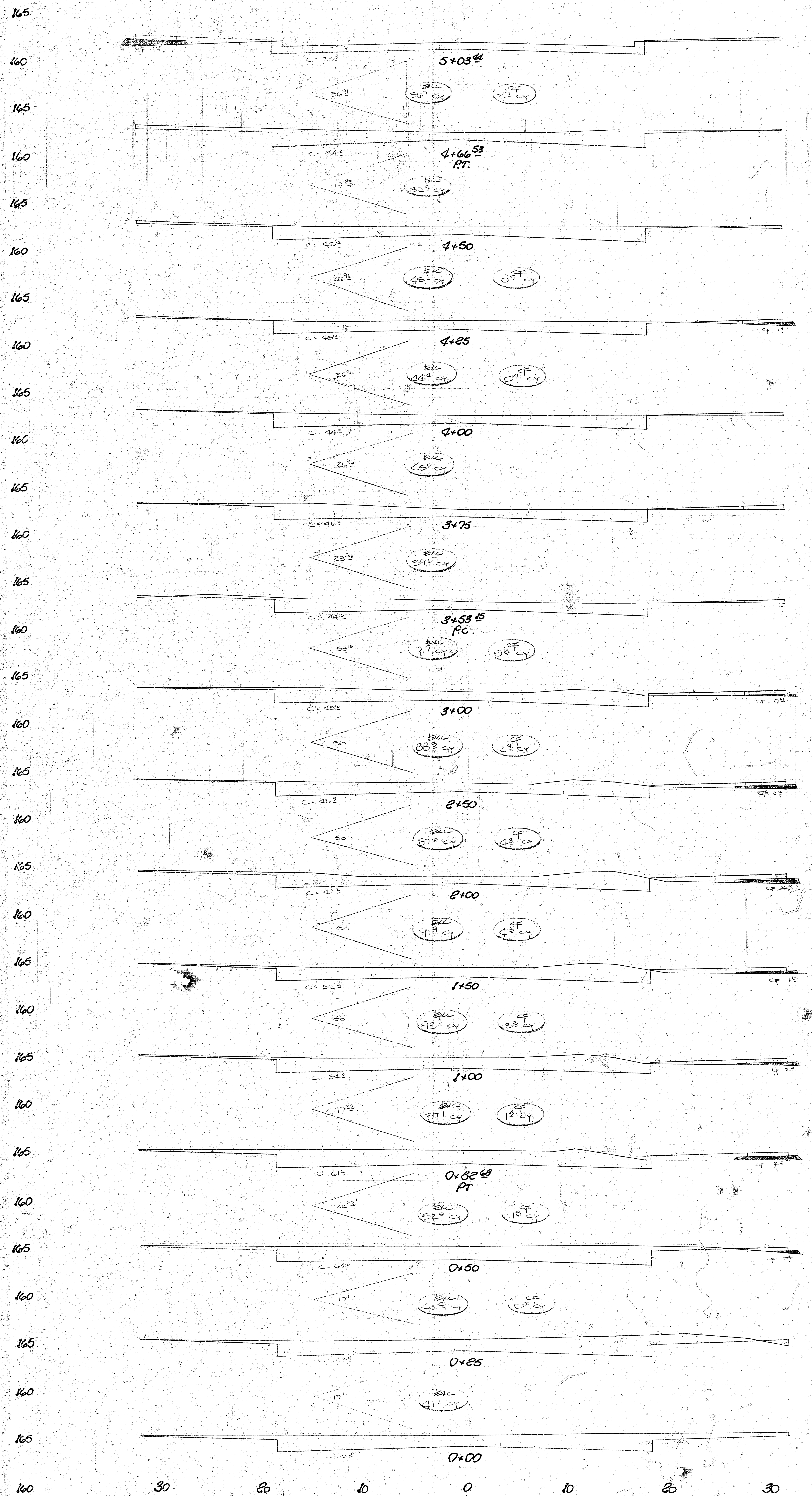
| | | | |
|---|---|---|---|
| Excavation | = $891^{3}$ CY | Comp. Fill | = $23^{7}$ CY. |
| + 10 % | = $89^{1}$ CY | + 10 % | = $2^{4}$ CY. |
| Total | = $980^{4}$ CY | Total | = $26^{1}$ CY. |

Manipulation = $1997^{5}$ SY.

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.

**NOTE TO FIELD ENGINEER & CONTRACTOR**
Grade parking and clear right-of-way for proposed sidewalk. Compact fill in sidewalk area. TO BE CONSTRUCTED BY "OTHERS".

## GRAND
S. L. Lot 2, Blk. I, Quail Meadows 2nd to W L Bedell
35' BB - 2" AC Pavmt w. 6" Bit. Bs. - Comb. Cb · Gtr.
## CITY of WICHITA, KS.
R. W. Linn City Engineer
Project No. DAKS 574066
472 76 245 80233 000 000 001
Date ______



165
160
5+03 44
C = 22 3
36 91
Exc 56 7 cy
CF 2 7 cy
4+66 53
P.T.
C = 54 2
17 83
Exc 32 9 cy
4+50
C = 45 4
26 96
Exc 45 1 cy
CF 0 7 cy
4+25
C = 45 0
26 96
Exc 44 4 cy
CF 0 7 cy
CF 1 4
4+00
C = 44 0
26 96
Exc 45 0 cy
3+75
C = 46 3
23 56
Exc 39 6 cy
3+53 15
P.C.
C = 44 6
53 15
Exc 91 7 cy
CF 0 8 cy
3+00
C = 48 6
50
Exc 88 3 cy
CF 2 9 cy
CF 0 8
2+50
C = 46 8
50
Exc 87 0 cy
CF 4 8 cy
CF 2 3
2+00
C = 47 3
50
Exc 91 9 cy
CF 4 3 cy
CF 3 0
1+50
C = 52 0
50
Exc 98 1 cy
CF 3 3 cy
CF 1 6
1+00
C = 54 0
17 32
Exc 37 1 cy
CF 1 5 cy
CF 2 0
0+82 68
PT
C = 61 6
22 32
Exc 52 0 cy
CF 1 8 cy
CF 2 6
0+50
C = 64 8
17 1
Exc 40 4 cy
CF 0 3 cy
CF 6 4
0+25
C = 63 4
17 1
Exc 41 1 cy
0+00
C = 61 5
30
20
10
0
10
20
30
℄

Earthwork

Pno - Excavation Comp. Fill

Grand

SL Lot 2 Blk 1 Quail Mds. 2nd to WC Bedell