

**HOLLAND LANE** E.L. SMARSH LANE TO N.L. WESTWOOD HEIGHTS SECOND ADDITION.

**TONY LANE** N.L. WESTPORT AVE TO E.L. HOLLAND LN.

**BITTERSWEET LANE** E.L. TONY LANE TO E.L. LOT 1, BLK. 7, WESTWOOD HEIGHTS SECOND ADDITION.

**SMARSH LANE** N.L. WESTPORT AVE TO N.L. WESTWOOD HEIGHTS SECOND ADDITION.

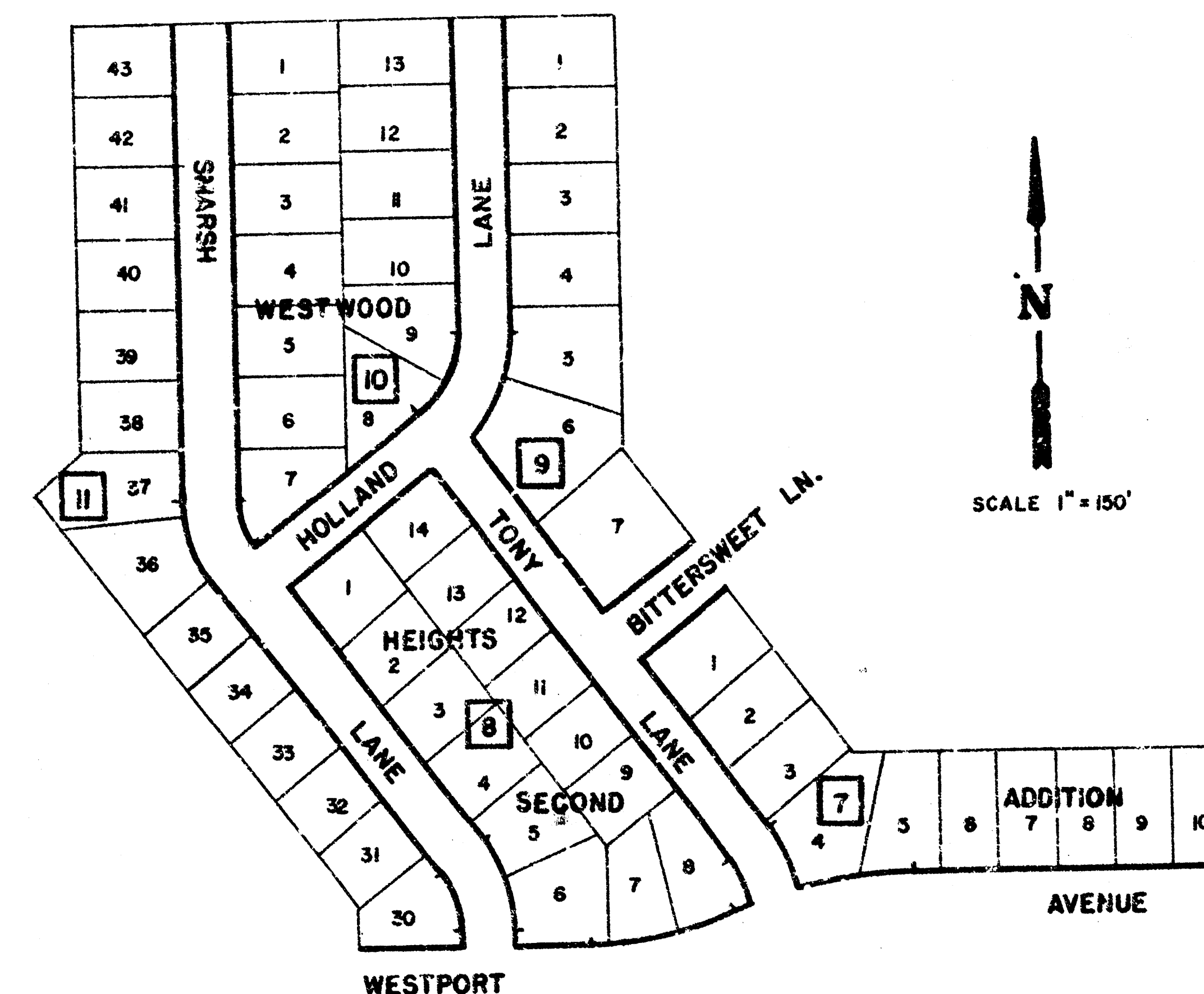
PROJECT NO. 472-76-245-80799-000-000-001

*Resolution amended 2-9-82 (in Clerk's Office)  
Fractional*

*Sketch - 6-81*

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ROAD  
RIDGE

GENERAL NOTES

- (1) WIDENED GUTTER SECTION OF COMBINED CURB AND GUTTER AT INTERSECTIONS WILL NOT BE PAID FOR DIRECTLY, AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER PAY ITEMS OF WORK.
- (2) THE REMOVAL OF EXCESS PAVEMENT AND/OR CURB AND GUTTER PLACED DURING THE CONSTRUCTION OF WESTPORT AVENUE SHALL BE CONSIDERED INCIDENTAL TO EXCAVATION.

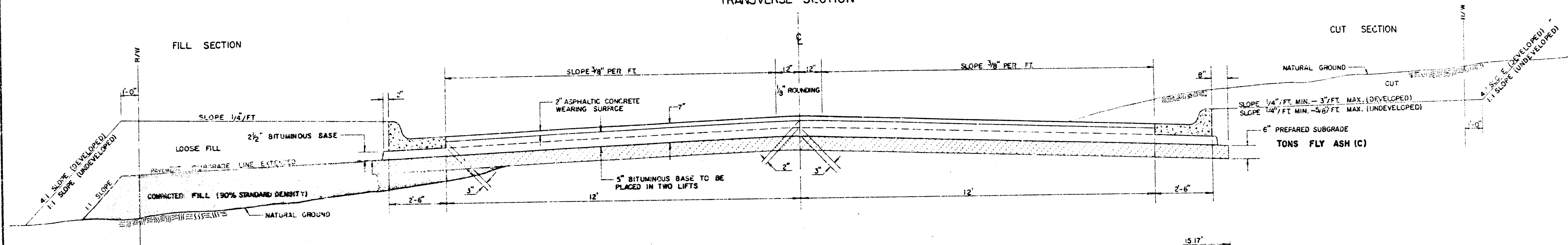
M.E. LINDEBAK - CITY ENGINEER  
CITY OF WICHITA, KANSAS



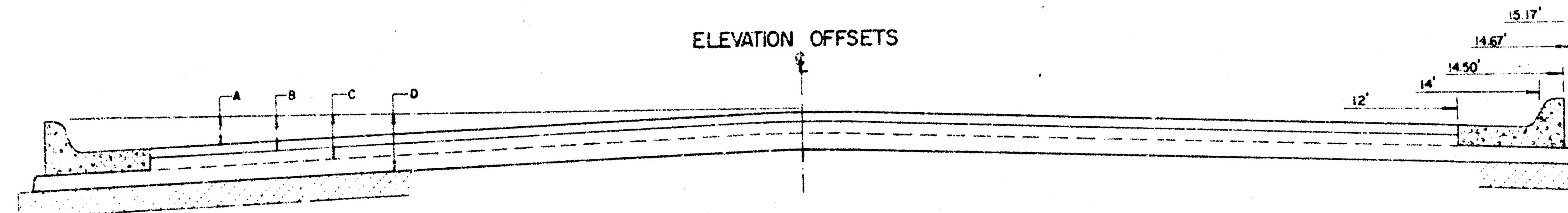


# TYPICAL 29' PAVEMENT DETAILS

## TRANSVERSE SECTION

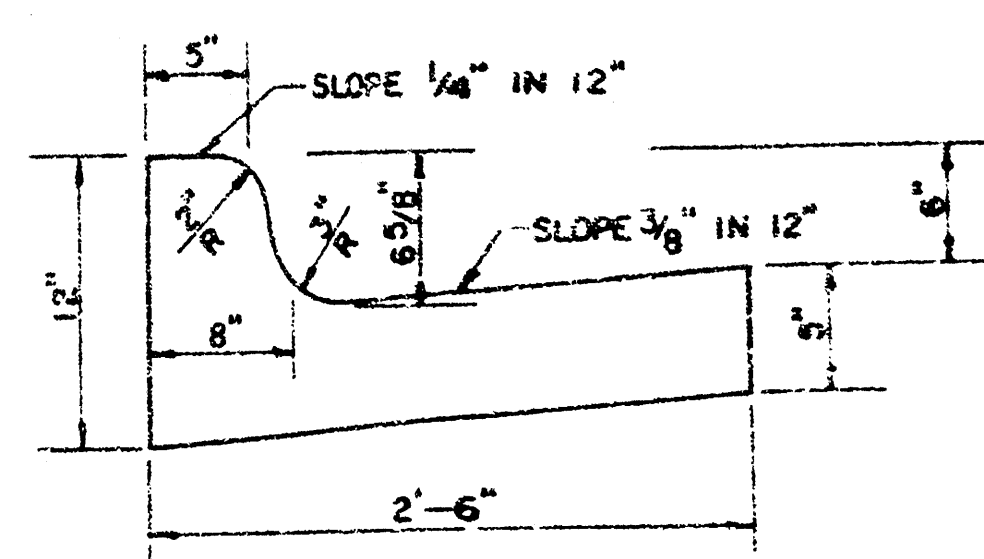


## ELEVATION OFFSETS

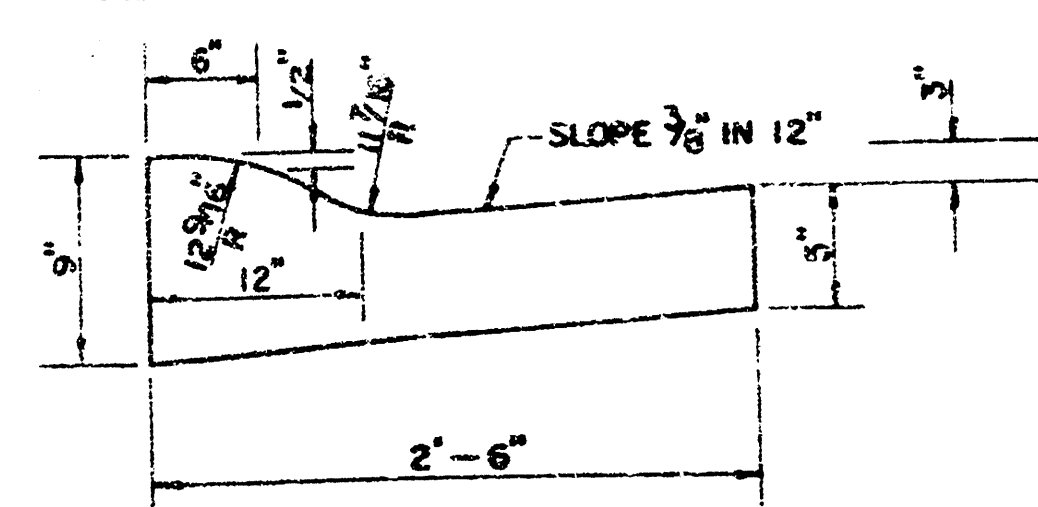


|                                           | DISTANCE FROM CENTERLINE (LT. & RT.) |      |      |      |      |      |      |      |      |       |        |        |
|-------------------------------------------|--------------------------------------|------|------|------|------|------|------|------|------|-------|--------|--------|
|                                           | 0'                                   | 2'   | 4'   | 6'   | 7'   | 8'   | 10'  | 12'  | 14'  | 14.5' | 14.67' | 15.17' |
| A. TOP OF CURBS TO TOP OF SURFACE LIFT    | 0.13                                 | 0.18 | 0.24 | 0.30 | 0.33 | 0.36 | 0.43 | 0.49 | —    | —     | —      | —      |
| B. TOP OF CURBS TO TOP OF UPPER BASE LIFT | 0.30                                 | 0.35 | 0.41 | 0.47 | 0.50 | 0.53 | 0.60 | 0.66 | —    | —     | —      | —      |
| C. TOP OF CURBS TO TOP OF LOWER BASE LIFT | 0.47                                 | 0.52 | 0.60 | 0.68 | 0.71 | 0.75 | 0.83 | 0.90 | 0.98 | 1.00  | 1.01   | —      |
| D. TOP OF CURBS TO TOP OF SUBGRADE        | 0.72                                 | 0.77 | 0.84 | 0.91 | 0.94 | 0.98 | 1.05 | 1.12 | 1.19 | 1.21  | 1.21   | 1.23   |

## COMBINED CURB & GUTTER



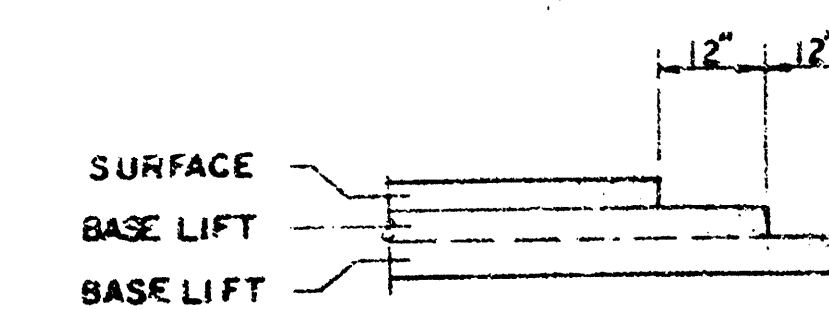
## ROLL TYPE COMBINED CURB & GUTTER



## GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (50-1H OR 65-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFT AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

## TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

7 INCH RESIDENTIAL ASPHALTIC CONCRETE  
PAVEMENT WITH 5 INCH BITUMINOUS BASE  
CITY OF WICHITA, KANSAS

PROJECT NUMBER  
472-76-245-80799 - 000-000-001 2/4

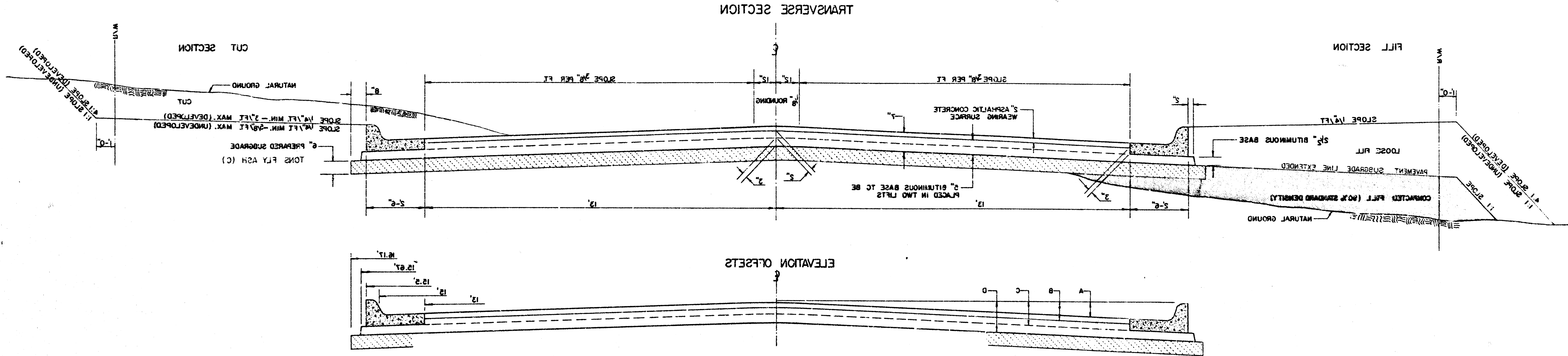
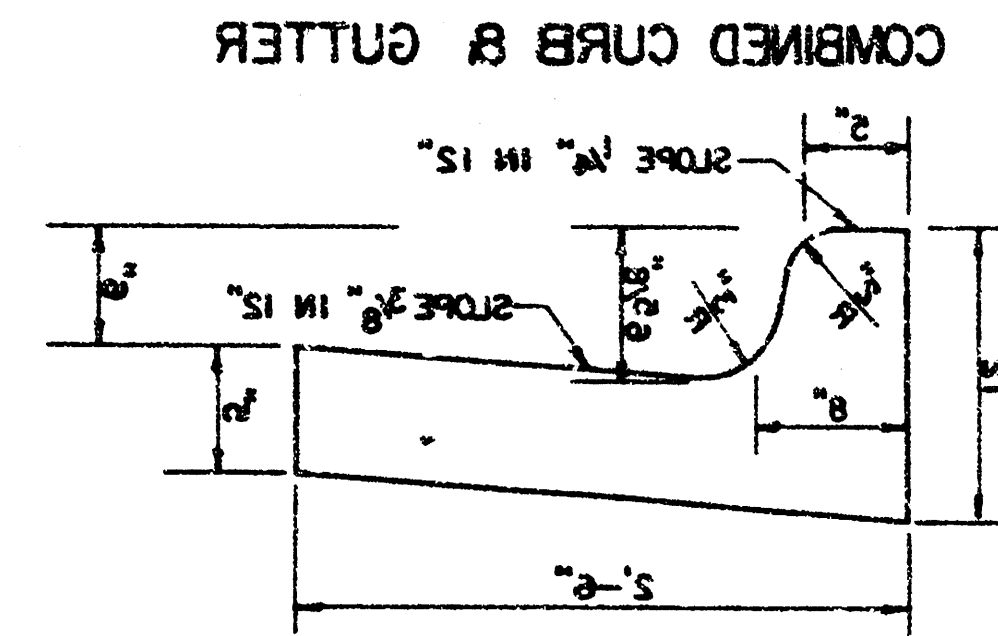
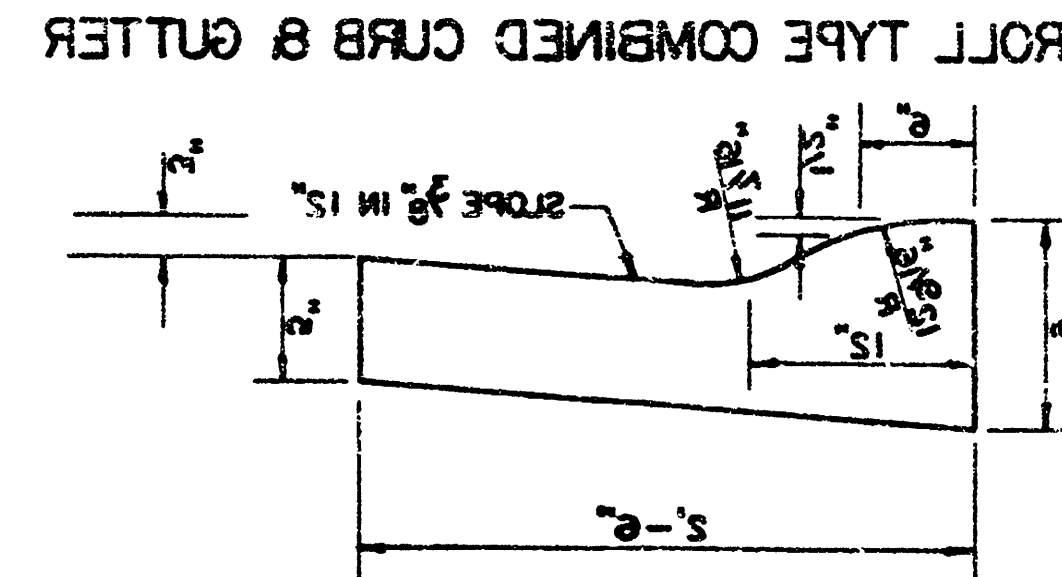


TRANSVERSE CONSTRUCTION JOINTS  
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN  
EXISTING PAVEMENT BASE PAVEMENT AT LOCATIONS WHERE PAVEMENT JOINTS  
WILL BE ASSOCIATED WITH THE CONSTRUCTION OF THE TRANS-  
VERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE  
YARDS 2" ASPHALTIC CONCRETE (2" BITUMINOUS BASE).



- GENERAL NOTES**
- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2" ASPHALTIC CONCRETE (2" BITUMINOUS BASE).
  - 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2" BITUMINOUS BASE.
  - 3) A TACK COAT OF EMULSIFIED ASPHALT (20-14 OR 22-14) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.02 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
  - 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A RAYMOND MACHINE HAVING AUTOMATIC CONTROLS FOR LIFT AND GRADE.
  - 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM 10'-0" TAKE OF ONE LIFT JOINTS IN PRECEDING LIFTS AND PLACED 20' THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
  - 6) CONTINUATION TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN AFTER-PAVING IS PROVIDED IN THE PROPOSAL AND CONTRACT THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

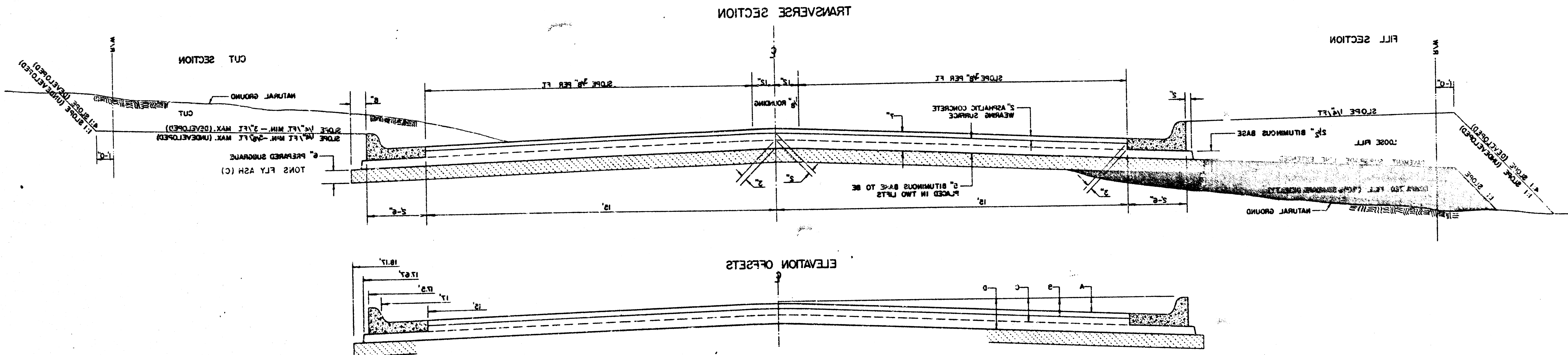
| DISTANCE FROM CENTERLINE (L.F. & RT.) |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0'                                    | 5'   | 10'  | 15'  | 20'  | 25'  | 30'  | 35'  | 40'  | 45'  | 50'  | 55'  | 60'  |
| 0.10                                  | 0.14 | 0.21 | 0.28 | 0.35 | 0.42 | 0.49 | 0.56 | 0.63 | 0.70 | 0.77 | 0.84 | 0.91 |
| 0.51                                  | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| 0.44                                  | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 |
| 0.37                                  | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 | 0.37 |
| 0.30                                  | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 |
| 0.23                                  | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| 0.16                                  | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| 0.09                                  | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| 0.02                                  | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| 0.00                                  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |



## TYPICAL 3' PAVEMENT DETAILS



# TYPICAL 35' PAVEMENT DETAILS



ELEVATION OFFSETS

|                                          | 0'   | 1'   | 2'   | 3'   | 4'   | 5'   | 6'   | 7'   | 8'   | 9'   | 10'  | 11'  | 12'  | 13'  | 14'  | 15'  | 16'  | 17'  | 18'  | 19'  | 20'  |
|------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0. TOP OF CURB TO TOP OF SURFACE LIFT    | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1. TOP OF CURB TO TOP OF UPPER BASE LIFT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2. TOP OF CURB TO TOP OF LOWER BASE LIFT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3. TOP OF CURB TO TOP OF SUBGRADE        | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF ASPHALTIC CONCRETE (2" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2" 1/2" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (20-30) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.03 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE REMAINING SURFACE SHALL BE PLACED WITH A RANDOM WALKING MACHINE AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM 10'-0" FROM THE PREVIOUS JOINT IN THE PRECEDING LIFT AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
- 6) CONTRACTOR TO BID ONLY ONE SHOULDER TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSED AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

## TRANSVERSE CONSTRUCTION JOINTS

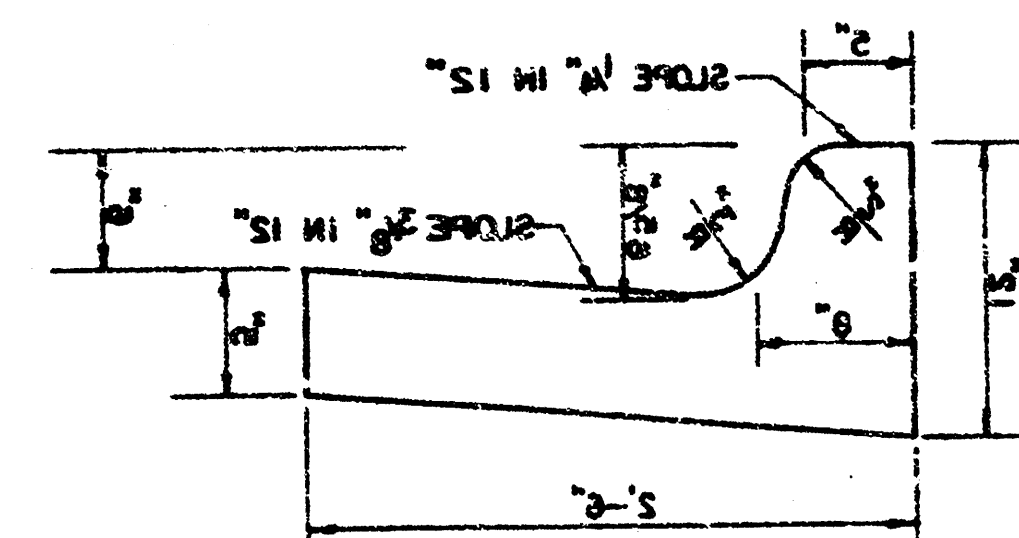


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXIST. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS OF ASPHALTIC CONCRETE (2" BITUMINOUS BASE).

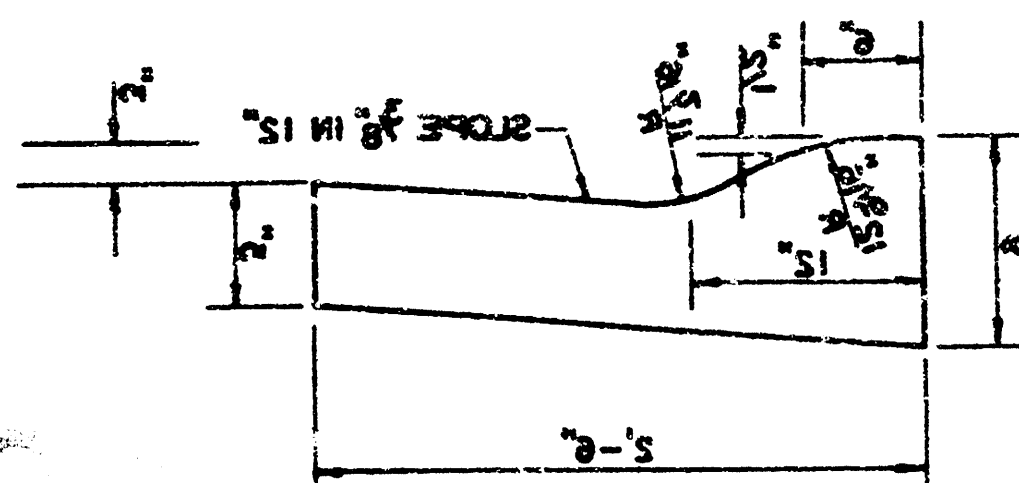
CITY OF WICHITA, KANSAS  
PAVEMENT WITH 2 INCH BITUMINOUS BASE  
1 INCH RESIDENTIAL ASPHALTIC CONCRETE

415-76-545-80399-000-000-001

## COMBINED CURB & GUTTER

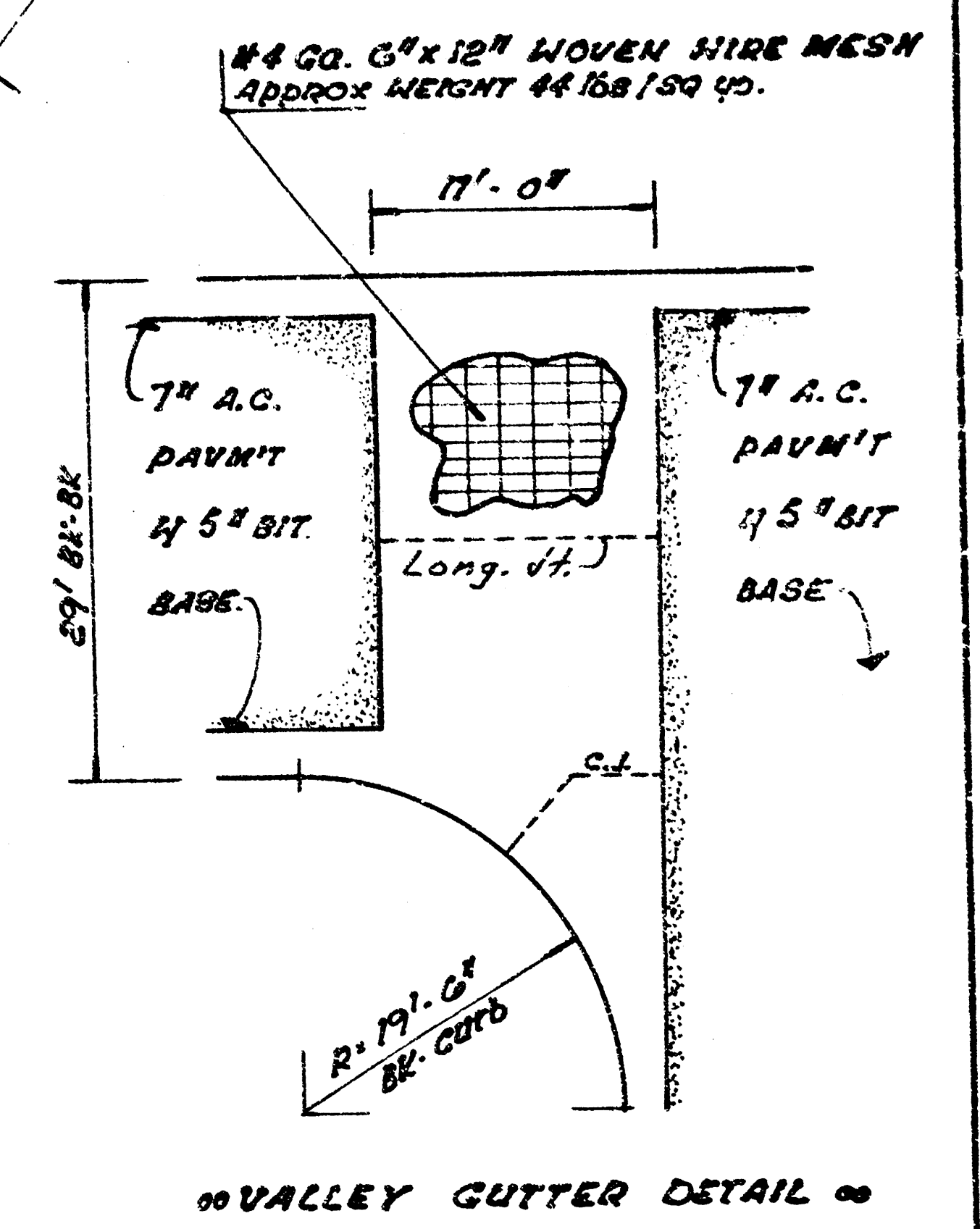
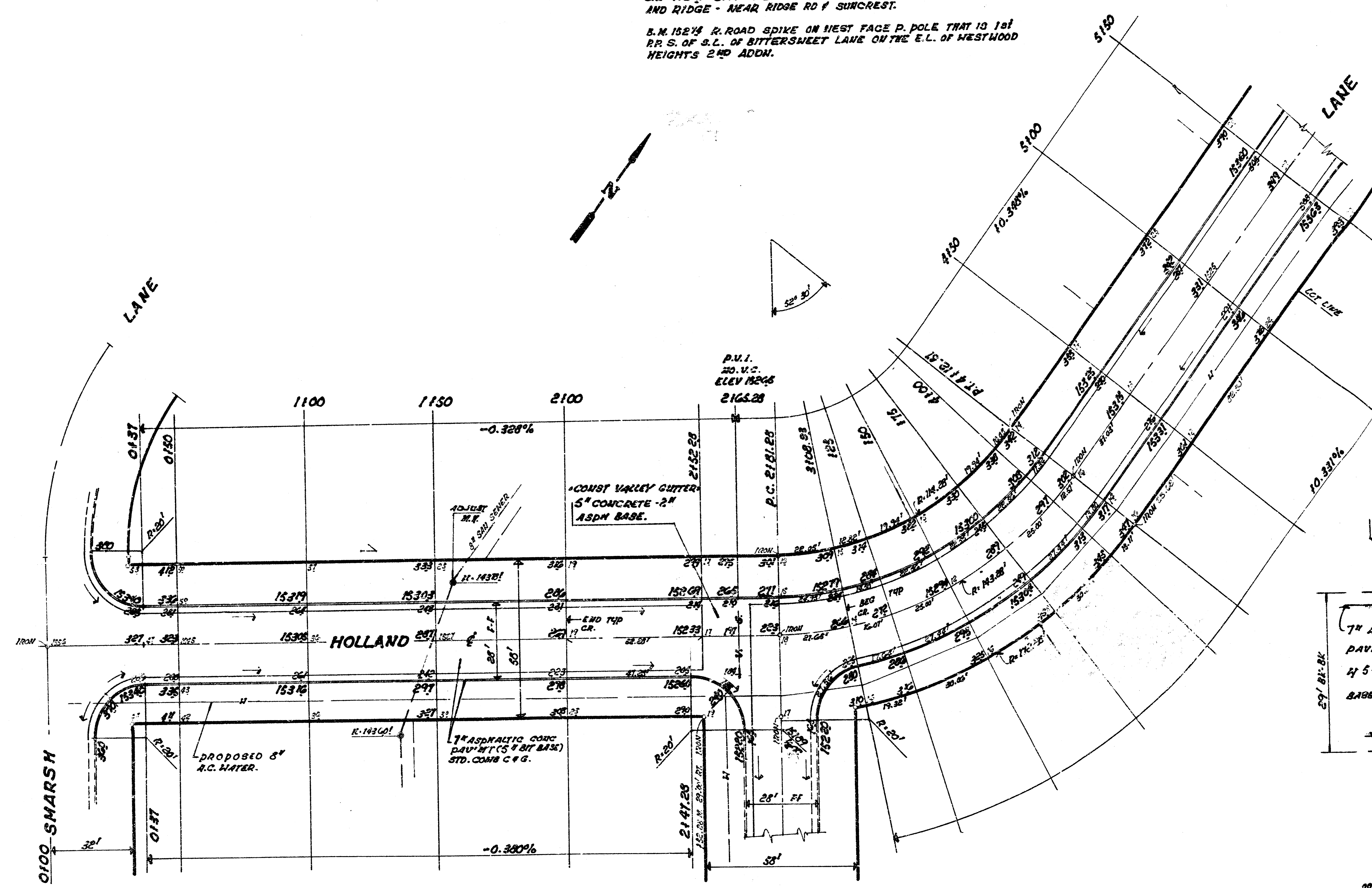


## ROLL TYPE COMBINED CURB & GUTTER





B.M. 14281 CITY STD. 42' N. & 36.5' E. OF 1/4 SEC. COR IRON AT 77' N. AND RIDGE - NEAR RIDGE RD & SUNCREST.  
 B.M. 15274 R. ROAD SPIKE ON WEST FACE P. POLE THAT IS 1st RR S. OF S.L. OF BITTERSWEET LANE ON THE E.L. OF WESTWOOD HEIGHTS 2ND ADDN.



INTERSECTION QUANTITIES

|            |                        |
|------------|------------------------|
| 123.5 S.Y. | Concrete Pavement      |
| 9.7 S.Y.   | 7\"/>                  |
| 32.0 S.Y.  | 2 1/2\"/>              |
| 26.4 S.Y.  | Concrete Curb & Gutter |
| 105.8 S.Y. | Concrete               |
| 41.9 S.Y.  | 5\"/>                  |

EXCAVATION  
 330.1 CU YDS  
 110% 33.6  
 371.9 CU YDS

COMP FILL  
 31.4 CU YDS  
 110% 3.1  
 34.5 CU YDS

NO MORE THAN 15'-20' DRIVES TO BE CONSTRUCTED.

2530 SQ YDS MANIPULATION.

CURVE DATA BASED ON RADIUS 143.23' Δ 52° 30'

| STATION    | ARC    | CHORD  | LENGTH | DEFLECTION | TOTAL DEFLECTION |
|------------|--------|--------|--------|------------|------------------|
| RC 2181.28 |        |        |        |            | 0° 00' 00"       |
| 3108.93    | 27.43' | 23.37' | 31.85' | 5° 31' 42" | 5° 31' 42"       |
| 125        | 16.07' | 13.60' | 18.53' | 3° 12' 41" | 8° 44' 29"       |
| 120        | 25.00' | 21.13' | 28.80' | 4° 39' 55" | 13° 24' 24"      |
| 175        |        |        |        |            | 18° 24' 19"      |
| 4100       | 25.00' | 21.13' | 28.80' | 4° 39' 55" | 23° 44' 14"      |
| PT 4112.57 | 12.57' | 10.64' | 14.50' | 2° 30' 46" | 26° 15' 00"      |

PROJECT DESCRIPTION  
**HOLLAND LANE**  
 E.L. SMARSH LANE TO N.L. WESTWOOD HEIGHTS 2ND ADDITION.

PROJECT NUMBER  
 472-76-245-80799-000-OCO-001

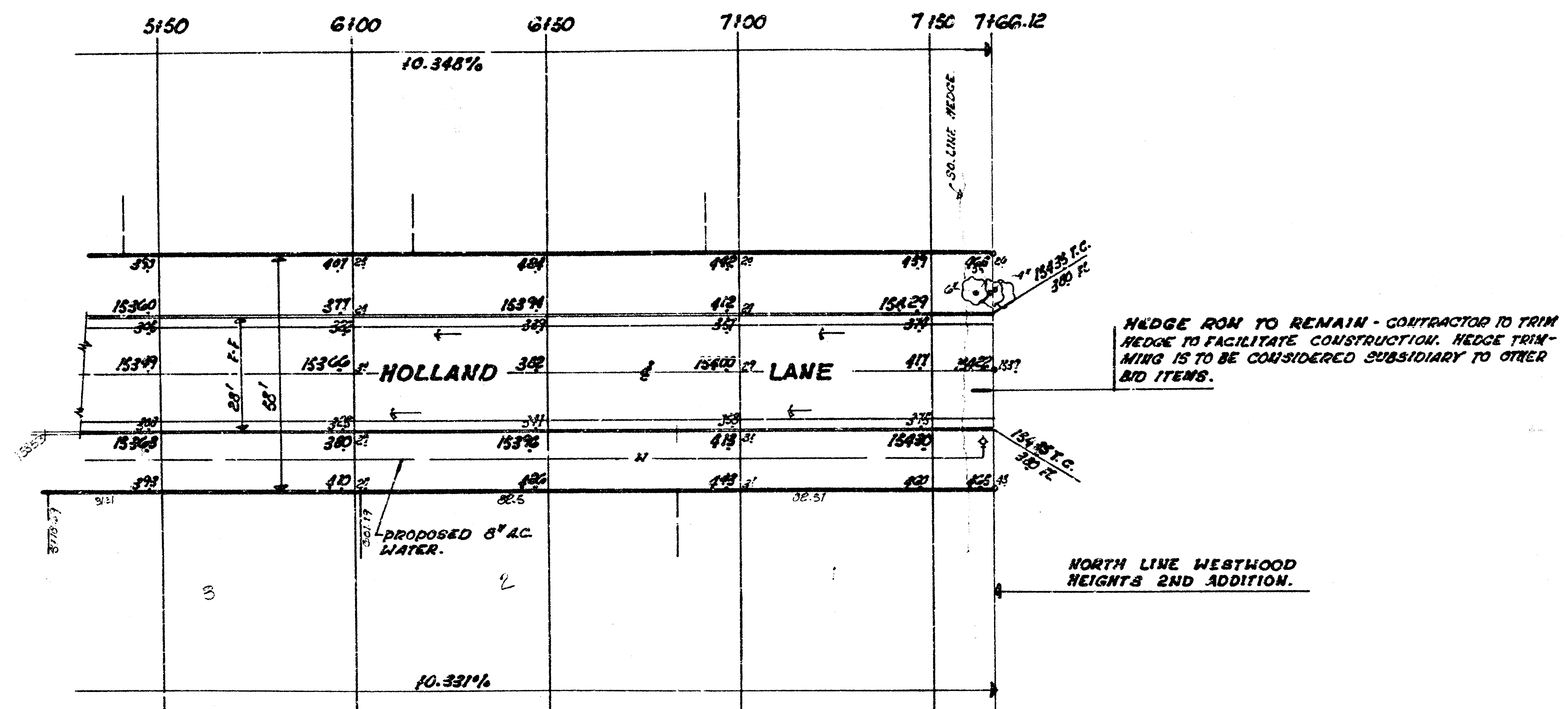
BOOK NO. JPC #21  
 DRAWN BY  
 CITY OF WICHITA

APPROVED BY  
 M.E. LINDESAK - CITY ENGINEER

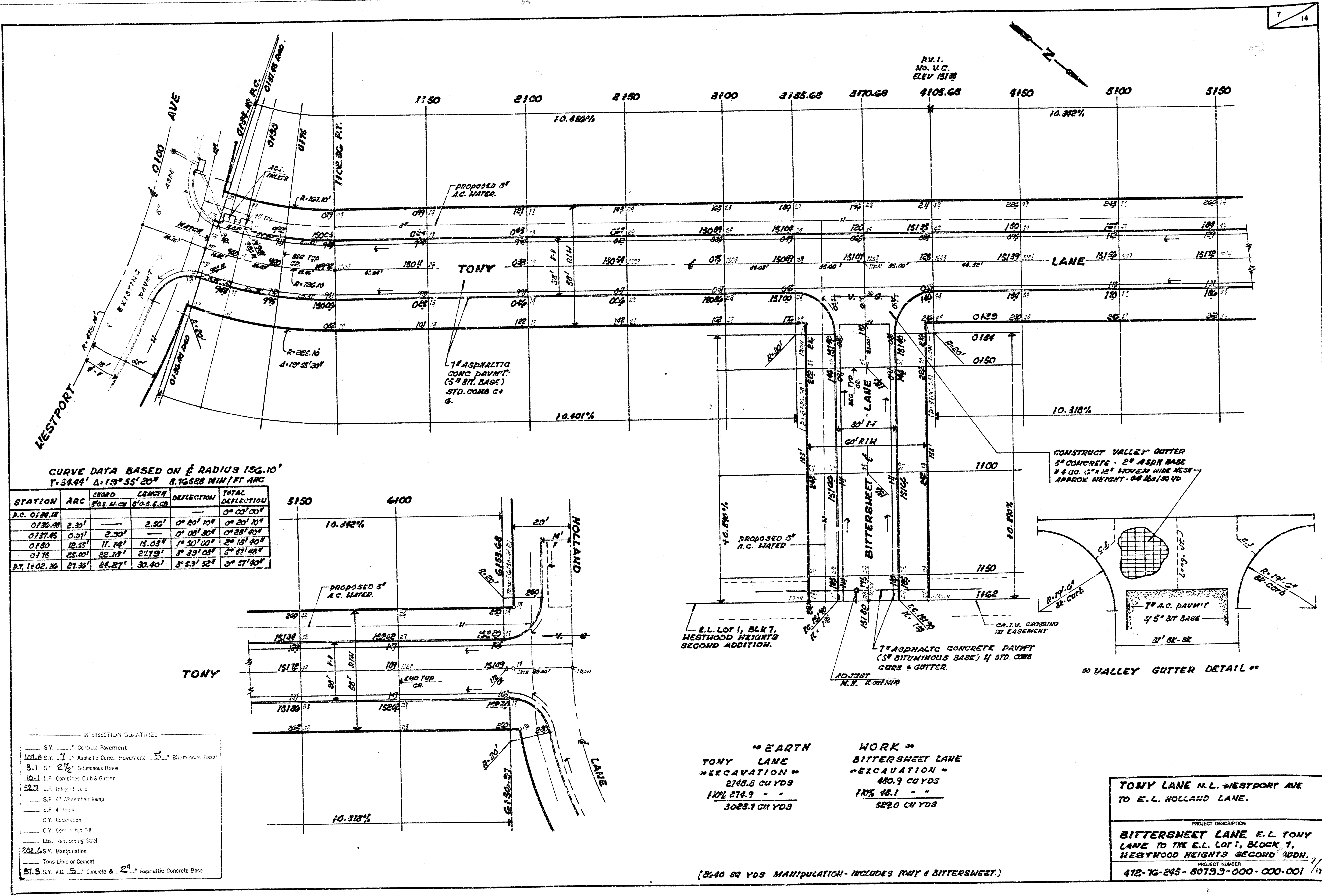
DATE  
 REVISIONS  
 5/11

SCALE  
 1" = 20'







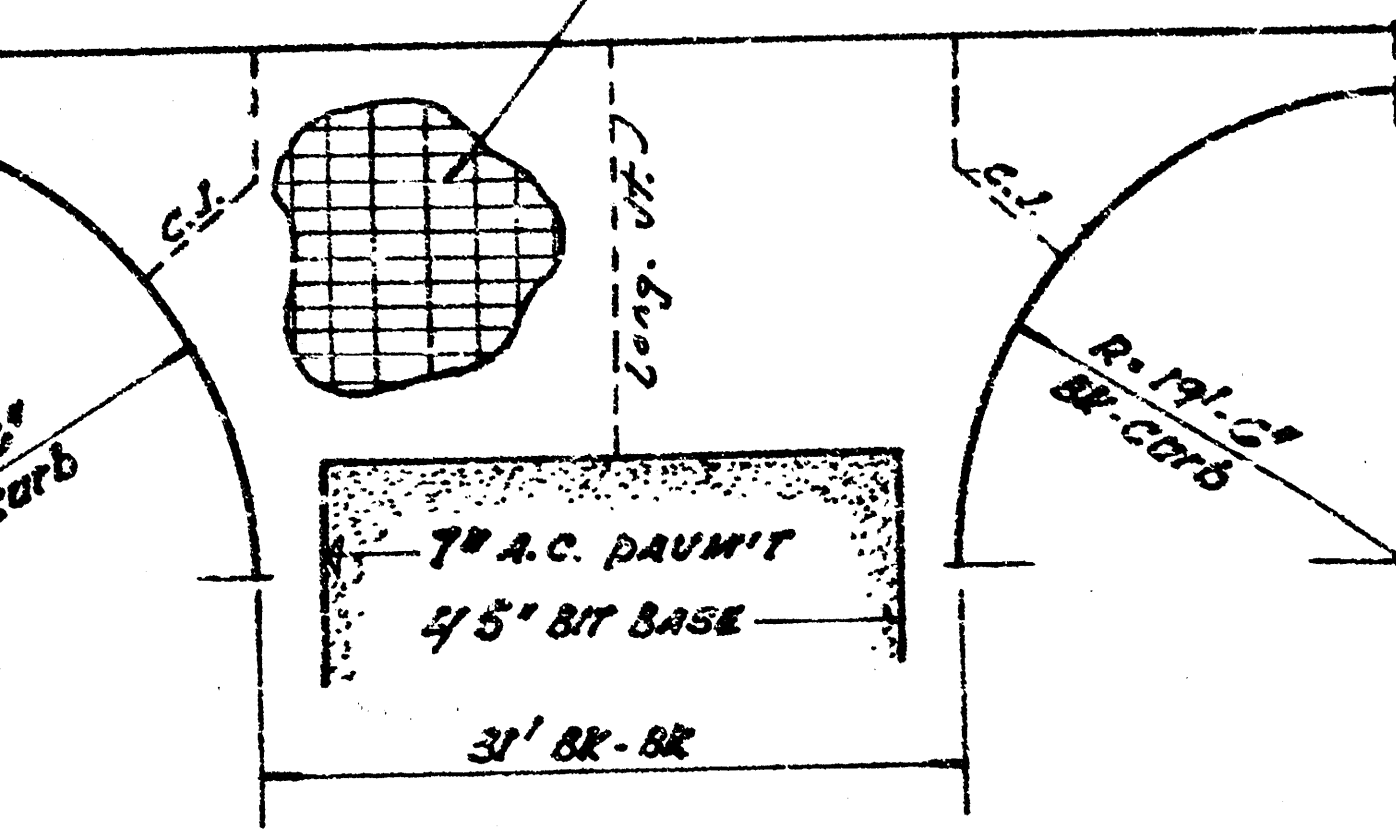


CURVE DATA BASED ON  $\Delta$  RADIUS 156.10'  
 $T=38.44'$   $\Delta=19^\circ 55' 20''$   $S=76.528$  MIN/PT ARC

| STATION      | ARC    | CHORD  | LENGTH | DEFLECTION | TOTAL DEFLECTION |
|--------------|--------|--------|--------|------------|------------------|
| P.C. 0124.18 |        |        |        |            | 0° 00' 00"       |
| 0130.48      | 2.30'  | 2.30'  | 2.32'  | 0° 20' 10" | 0° 20' 10"       |
| 0137.45      | 0.57'  | 2.50'  |        | 0° 05' 20" | 0° 25' 30"       |
| 0150         | 12.35' | 11.14' | 15.03' | 1° 30' 00" | 2° 15' 30"       |
| 0175         | 25.00' | 22.15' | 27.79' | 3° 39' 05" | 5° 54' 35"       |
| A.T. 1402.36 | 27.36' | 24.27' | 30.40' | 3° 53' 52" | 9° 51' 40"       |

- INTERSECTION QUANTITIES
- 101.8 S.Y. 7" Asphaltic Conc. Pavement
  - 3.1 S.Y. 2 1/2" Bituminous Base
  - 10.1 L.F. Concrete Curb & Gutter
  - 52.1 L.F. Integral Curb
  - S.F. 4" Wheelchair Ramp
  - S.F. 4" Walk
  - C.Y. Excavation
  - C.Y. Compacted Fill
  - Lbs. Reinforcing Steel
  - 202.6 S.Y. Manipulation
  - Tons Lime or Cement
  - 51.3 S.Y. V.G. 5" Concrete & 2" Asphaltic Concrete Base

CONSTRUCT VALLEY GUTTER  
 5" CONCRETE - 2" ASPH BASE  
 4" CO. 6" X 12" SLOVEN WIRE MESH  
 APPROX HEIGHT - 0.6 15.1/94 YD



"VALLEY GUTTER DETAIL"

"EARTH WORK"  
 TONY LANE  
 EXCAVATION = 2745.8 CU YDS  
 10% 274.9 " "  
 3025.7 CU YDS

BITTERSHEET LANE  
 EXCAVATION = 480.9 CU YDS  
 10% 48.1 " "  
 529.0 CU YDS

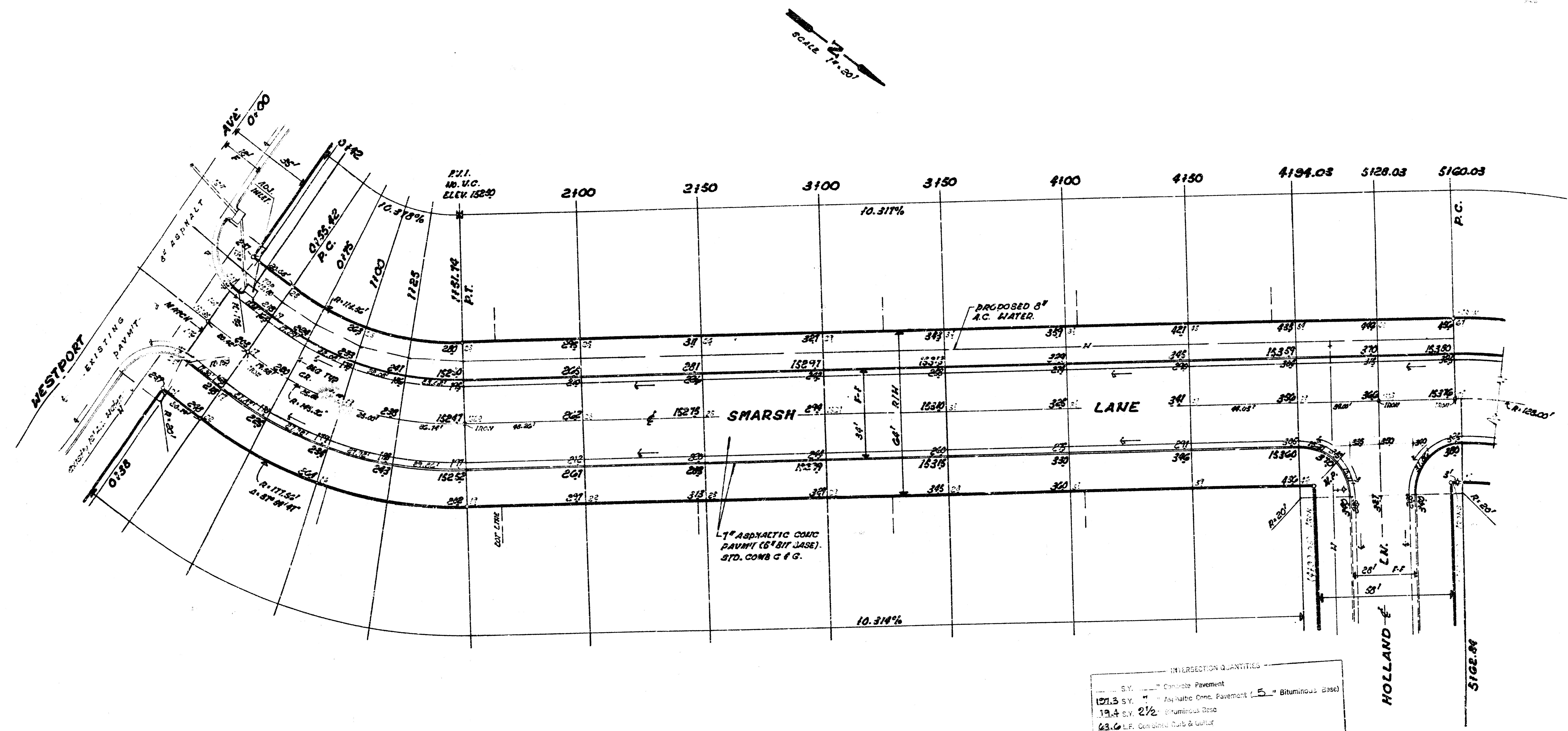
TONY LANE N.L. WESTPORT AVE  
 TO E.L. HOLLAND LANE.

PROJECT DESCRIPTION  
 BITTERSHEET LANE E.L. TONY  
 LANE TO THE E.L. LOT 1, BLOCK 7,  
 WESTWOOD HEIGHTS SECOND ADDN.

PROJECT NUMBER  
 412-76-245-80793-000-000-001

(2640 SQ YDS MANIPULATION - INCLUDES TONY & BITTERSHEET.)





**CURVE DATA BASED ON  $\frac{1}{2}$  RADIUS 143.92' -  $\Delta$  37°54'47"**  
**TAN = 90.00' 11.3069 MIN/FT ARC. - ARC 92.32'**

| STATION    | ARC    | CHORD         |               | DEFLECTION | TOTAL DEFLECTION |
|------------|--------|---------------|---------------|------------|------------------|
|            |        | S.O.S. H.C.B. | E.O.S. E.C.B. |            |                  |
| PC 0155.42 |        |               |               |            | 0° 00' 00"       |
| 0175       | 19.58' | 15.20'        | 22.92'        | 3° 51' 13" | 3° 51' 13"       |
| 1100       | 25.00' | 20.68'        | 29.26'        | 4° 55' 13" | 8° 46' 26"       |
| 1125       | 25.00' | 20.68'        | 29.26'        | 4° 55' 13" | 13° 41' 39"      |
| PT 1151.74 | 25.74' | 22.11'        | 31.29'        | 5° 15' 45" | 18° 57' 24"      |

**INTERSECTION QUANTITIES**

|            |                                                     |
|------------|-----------------------------------------------------|
| 121.3 S.Y. | Concrete Pavement                                   |
| 19.4 S.Y.  | Asphaltic Conc. Pavement (5" Bituminous Base)       |
| 63.6 S.Y.  | 2 1/2" Bituminous Base                              |
|            | L.F. Concrete Curb & Gutter                         |
|            | S.F. Manhole                                        |
|            | S.F. 42" Water Main Ramp                            |
|            | S.F. 42" Manhole                                    |
|            | C.Y. Excavation                                     |
|            | C.Y. Compacted Fill                                 |
|            | Line Relocating Road                                |
| 215.9 S.Y. | Manipulation                                        |
|            | Tons Lime or Cement                                 |
|            | S.Y. V.C. 1" Asphalite & 1" Asphaltic Concrete Sand |

**EXCAVATION**  
 1978.1 CU YDS  
 10% 197.8 " "  
 2175.9 CU YDS

**COMP FILL**  
 1767.1 CU YDS  
 10% 176.8 " "  
 1944.5 CU YDS

4703 59 YDS MANIPULATION

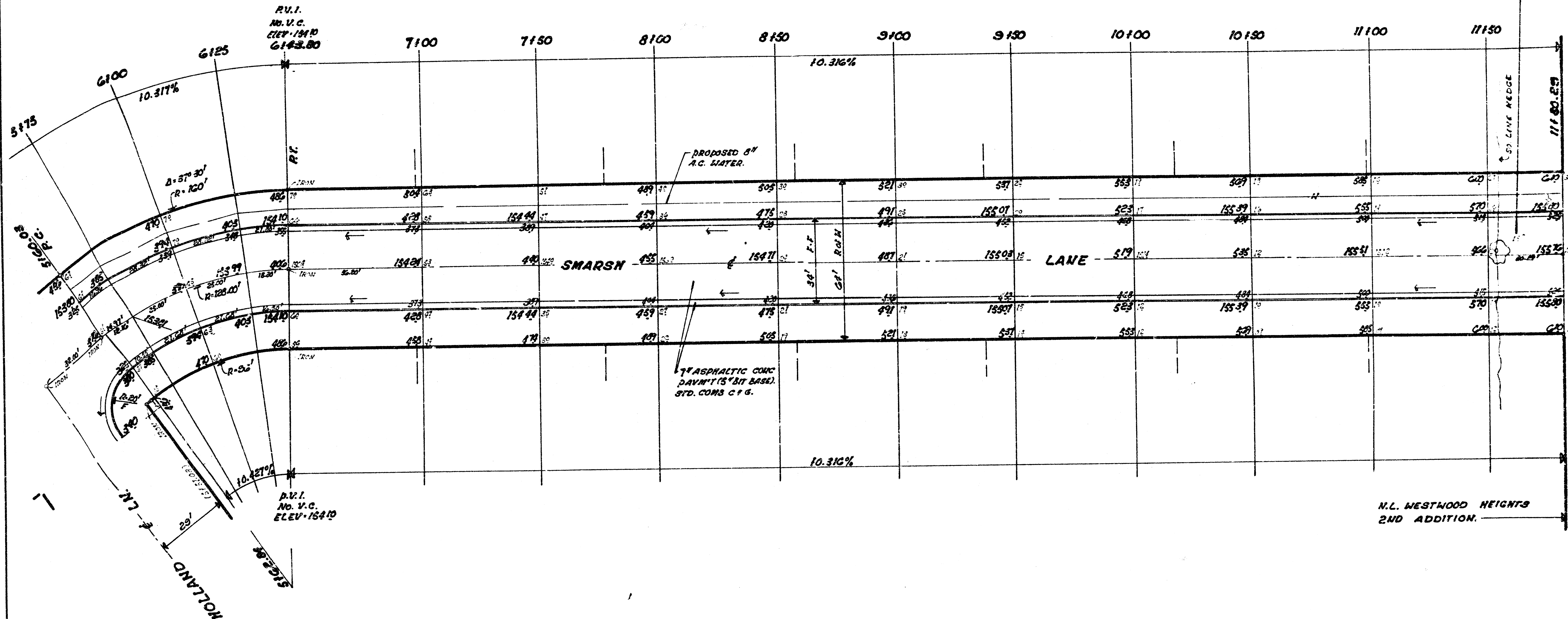
**PROJECT DESCRIPTION**  
**SMARSH LANE**  
 N.L. WESTPORT AVE TO N.L. WESTWOOD  
 HEIGHTS 2ND ADDITION.

**PROJECT NUMBER**  
 412-76-245-80199-000-000-001



SCALE 1"=80'

HEDGE ROW TO REMAIN. CONTRACTOR TO TRIM HEDGE TO FACILITATE CONSTRUCTION. HEDGE TRIMMING IS TO BE CONSIDERED SUBSIDIARY TO OTHER BID ITEMS.



CURVE DATA BASED ON  $\Delta$  RADIUS 128.00'  $\Delta=37^{\circ}30'$   
 TAN=43.45' 18.4286 MIN/FT ARC ARC=83.77'

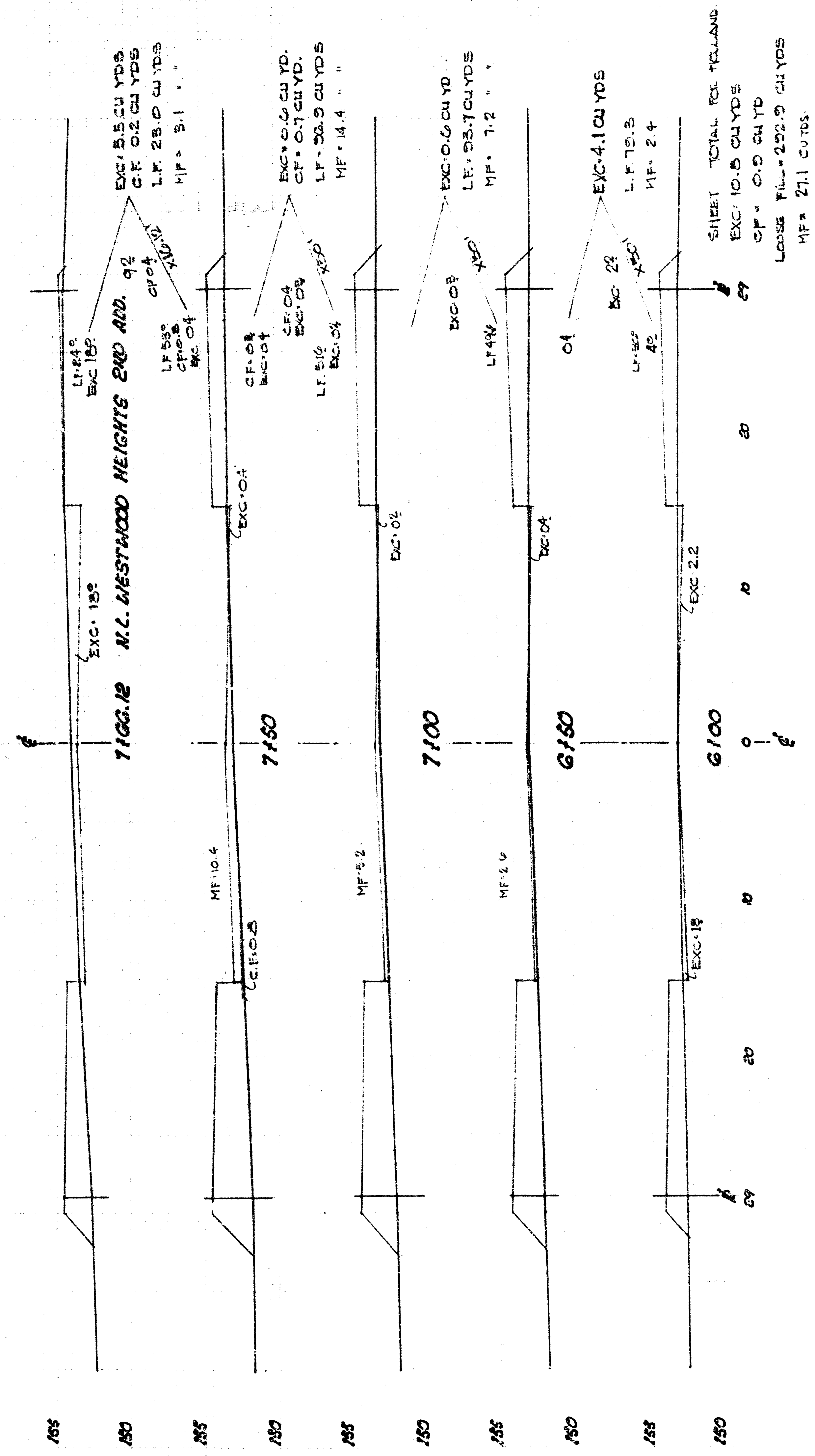
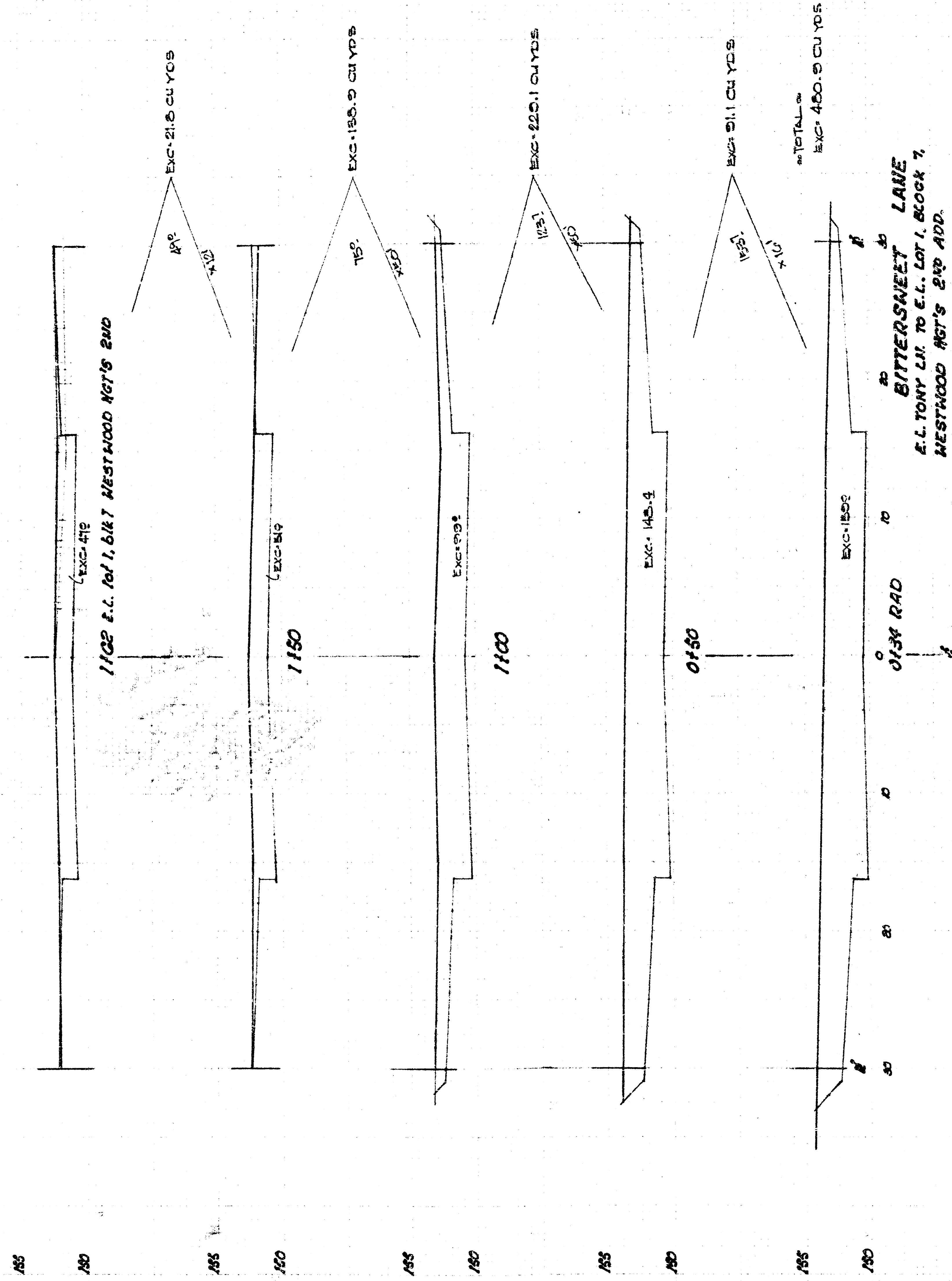
| STATION      | ARC    | CHORD       |             | DEFLECTION | TOTAL DEFLECTION |
|--------------|--------|-------------|-------------|------------|------------------|
|              |        | S.O.S.M.C.B | E.O.S.E.C.B |            |                  |
| P.C. 5160.03 |        |             |             |            | 0° 00' 00"       |
| 5162.84      | 2.81'  |             | 2.82'       | 0° 31' 44" | 0° 31' 44"       |
| 5175         | 12.15' | 17.80'      | 3.78'       | 2° 43' 18" | 3° 21' 02"       |
| 6100         | 28.00' | 29.54'      | 20.09'      | 5° 35' 22" | 0° 50' 45"       |
| 6125         | 25.00' | 23.83'      | 20.09'      | 5° 35' 23" | 18° 32' 23"      |
| P.E. 6143.80 | 18.80' | 22.45'      | 15.11'      | 4° 12' 32" | 18° 45' 00"      |

PROJECT DESCRIPTION  
**SMARSH LANE**  
 N.L. WESTPORT AVE TO N.L. WESTWOOD  
 HEIGHTS 2ND ADDITION  
 PROJECT NUMBER  
 412-76-245-80199-000-000-001

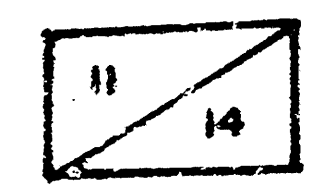




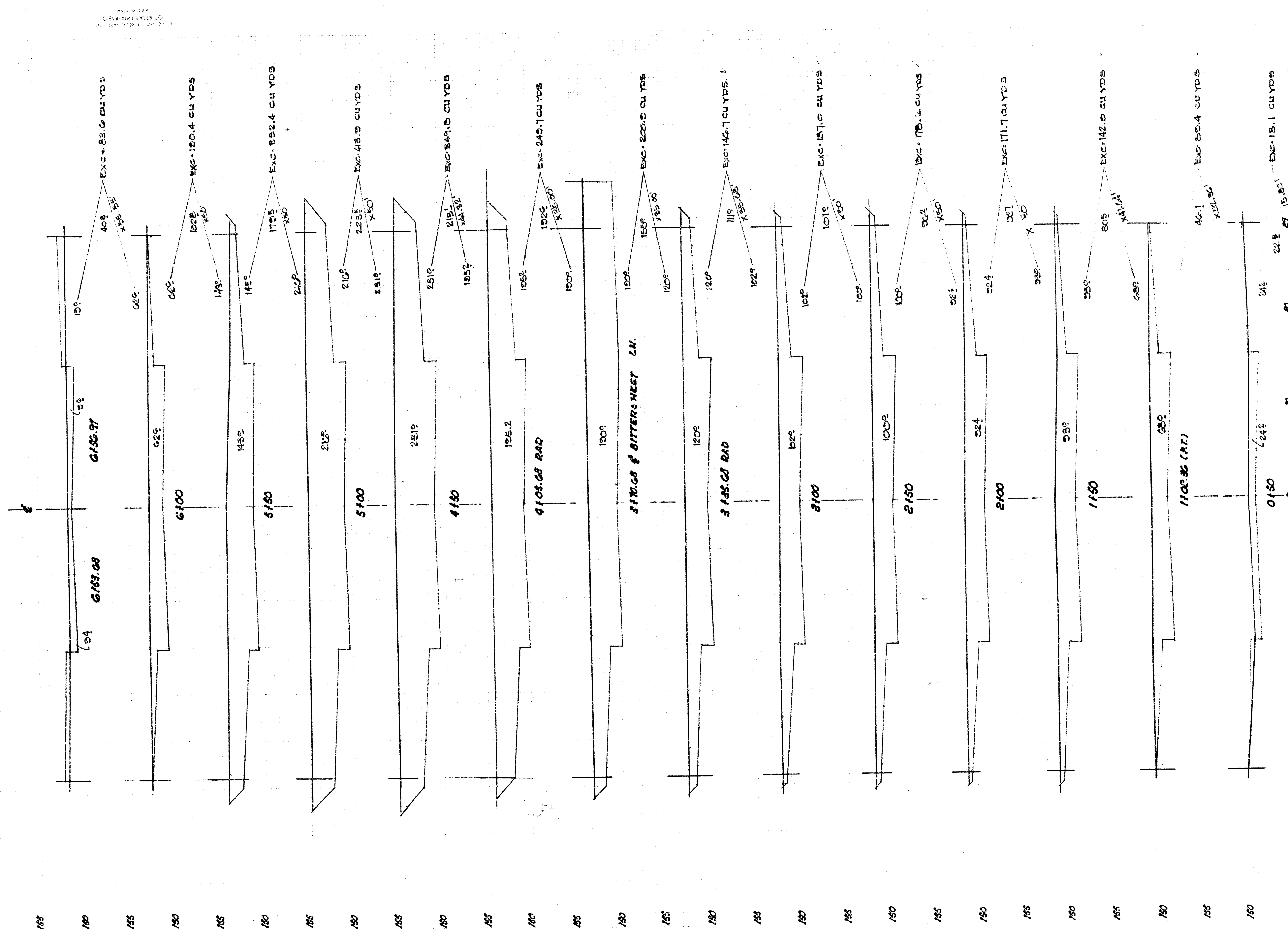




HOLLAND LAKE  
 E.L. SMARSH LN TO N.L. WESTWOOD HT'S  
 SECOND ADDITION.  
 PROJ. NO. 412-X-245-20139-000-030-001

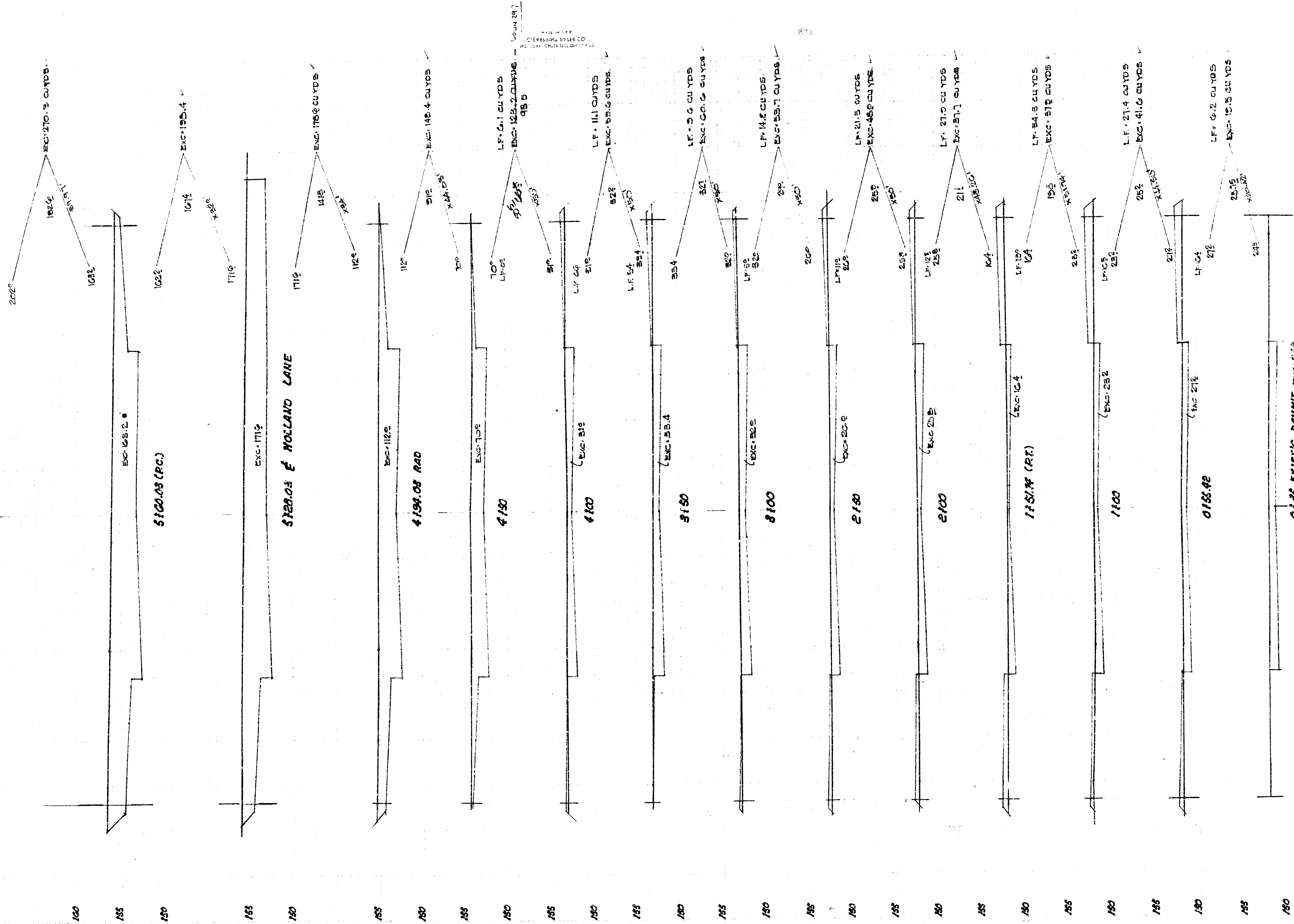






TONY LANE  
 N.L. WESTPORT AVE TO E.L. HOLLAND LN.  
 PROJ. NO. 472-78-245-80795-000-000-001  
 SHEET TOTAL  
 EXC. 2748.5 cu yds





1" = 10' SHEET TOTAL 20  
 1" = 10' FILL - 153.9 CU YDS  
 1" = 10' EXCAVATION - 1241.8 CU YDS

SMARSH LANE  
 N.L. WESTPORT TO N.L. WESTWOOD HGT'S  
 SECOND ADDITION.  
 PROJ. NO. 312-13-245 80153-000-000-001

TOTALS:  
 FILL - 153.9 CU YDS  
 EXC - 1241.8 CU YDS  
 OF - 1795.7

