

PAVING PLANS FOR  
**NORTHBROOK MEADOW 2ND. ADDITION**  
**PHASE I**  
**PROJECT NO. 472-82067**  
 CITY OF WICHITA, KANSAS  
 MICHAEL E. LINDEBAK, CITY ENGINEER  
 INDEX CODE: 760827

**GENERAL NOTES**

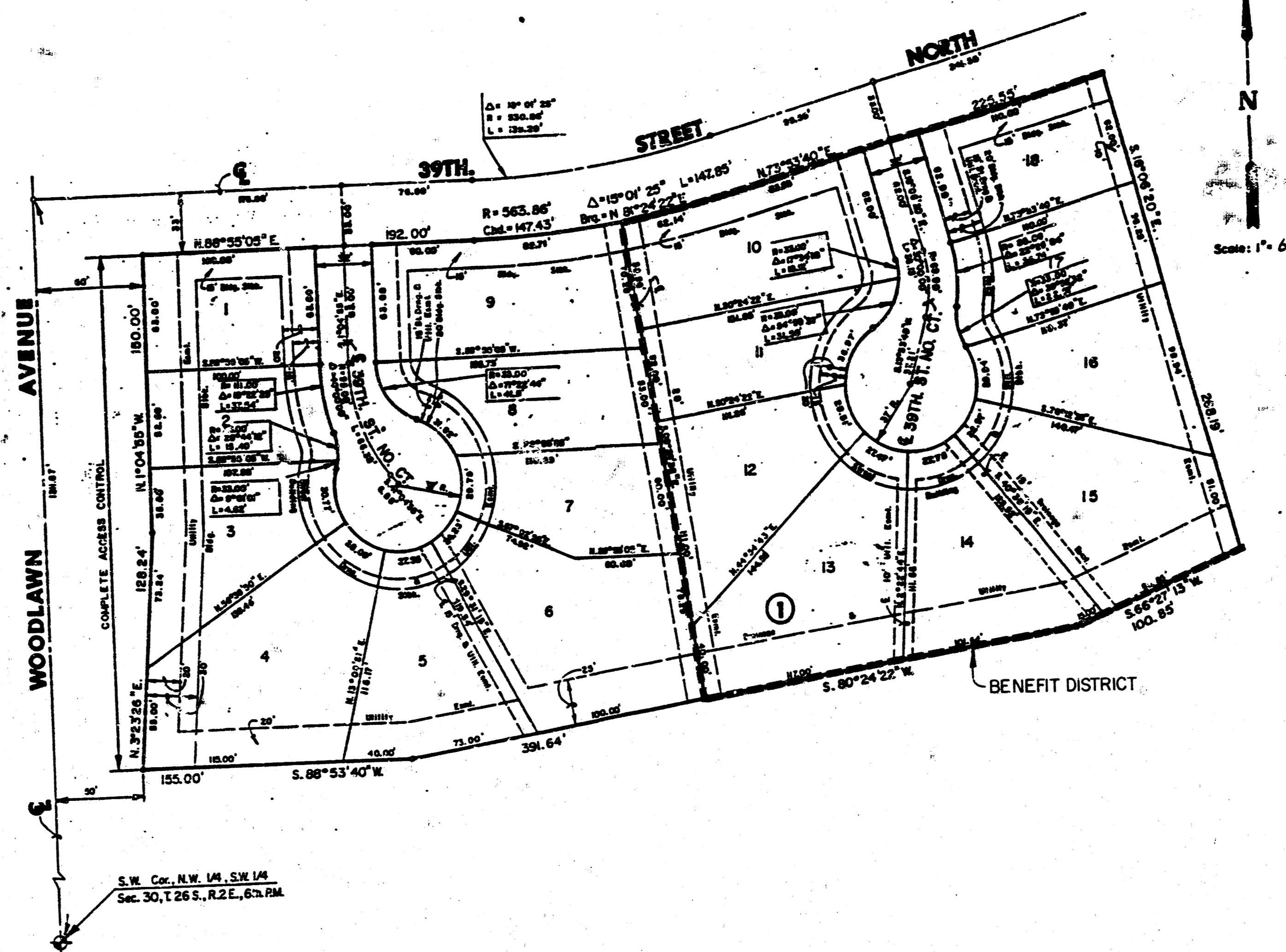
1. UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA CONCRETE PAVEMENT AND ASPHALTIC CONCRETE PAVEMENT SPECIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
3. TRANSITION CURB FROM FULL HEIGHT COMBINATION CURB AND GUTTER TO ROLL TYPE COMBINATION CURB AND GUTTER IS TO BE PAID AS BID FOR LINEAL FEET COMBINED CURB AND GUTTER (3 5/8" ROLL).
4. EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANYPROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
5. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

UTILITY LINE-CALL 1-800-344-7233  
 OR 617-2470 (LOCAL WICHITA)

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

|                                  |                      |
|----------------------------------|----------------------|
| WATER SERVICE COMPANY            | 1-571-2115           |
| SEWER SERVICE COMPANY            | 262-4270 OR 262-2081 |
| PLUMBING SERVICE                 | 262-7511             |
| WARRANTY SERVICE                 | 264-1141             |
| CITY OF WICHITA WATER DEPARTMENT | 268-4908             |
| CITY OF WICHITA SEWER DEPARTMENT | 268-4908             |
| AT&T SERVICE COMPANY             | 942-6360 OR 263-6161 |

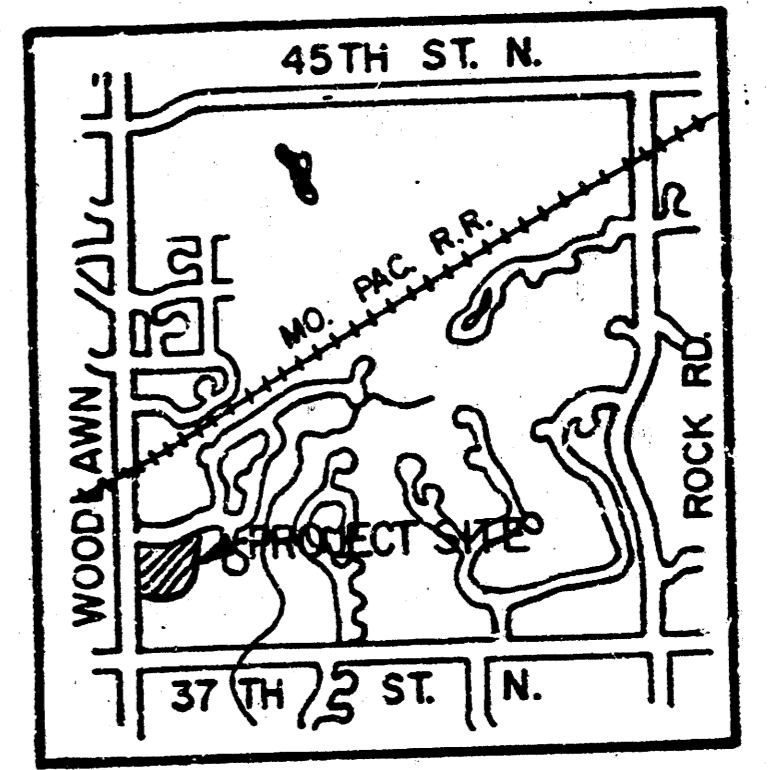
6. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED.
7. THIS PROJECT INCLUDES A CERTAIN AMOUNT OF ROLL TYPE CURB CONSTRUCTION. ROLL CURBS SHALL BE DERESSED THROUGH ALL DRIVEWAY OPENINGS WHEN SUCH DRIVES ARE CONSTRUCTED AS A PART OF THE PROJECT. NO MORE THAN 2 DRIVES 20 FEET IN WIDTH OR EQUIVALENT COMBINATIONS THEREOF ARE TO BE CONSTRUCTED WITH THIS PROJECT.
8. A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ABUTS AN EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAW JOINT TO FACILITATE REMOVAL WITHIN THREE (3) FEET OF EXISTING JOINTS WILL NOT BE PERMITTED AND FOR SUCH INSTANCES THE LIMITS OF REMOVAL SHALL EXTEND TO THE EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE REMOVAL OF SURFACE OR PAVEMENT.
9. PROPERTIES WITHIN THE PROJECT LIMITS MAY HAVE UNDERGROUND SPRINKLER SYSTEMS IN PUBLIC RIGHT-OF-WAY WHICH CONFLICT WITH NEW CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REMOVE SUCH IMPROVEMENTS SHOULD THEY NOT BE REMOVED BY THE OWNER AT THE TIME OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SALVAGE ALL SPRINKLER HEADS AND/OR VALVES AND GIVE SUCH MATERIAL TO THEIR OWNER. PORTIONS OF UNDERGROUND SPRINKLER SYSTEMS NOT IN CONFLICT WITH NEW CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND SHALL REMAIN IN PLACE. ALL WORK IN CONNECTION WITH EXISTING UNDERGROUND SPRINKLER SYSTEMS SHALL BE CONSIDERED AS SUBSIDIARY TO PROJECT.



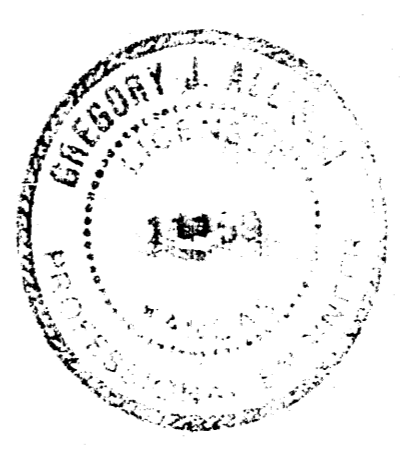
**BENCH MARK**  
 "□" CUT ON N.W. COR. OF R.C.B. ON 39TH ST. NO.  
 AT S.E. COR. OF NORTHBROOK MEADOW  
 ELEV. = 183.45 CITY DATUM

**INDEX TO DRAWINGS**

| SHEET NO. | DESCRIPTION                           |
|-----------|---------------------------------------|
| 1         | TITLE SHEET                           |
| 2-3       | PAVING DETAILS                        |
| 4         | PLAN                                  |
| 5         | CROSS-SECTIONS                        |
| 6         | NORTHBROOK MEADOW 2ND ADD. FINAL FLAT |

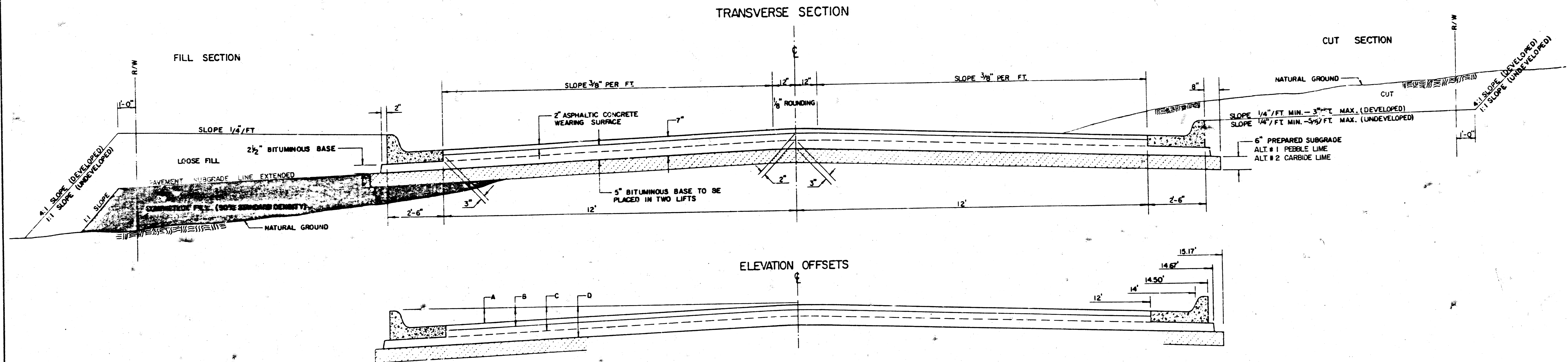


**LOCATION MAP**



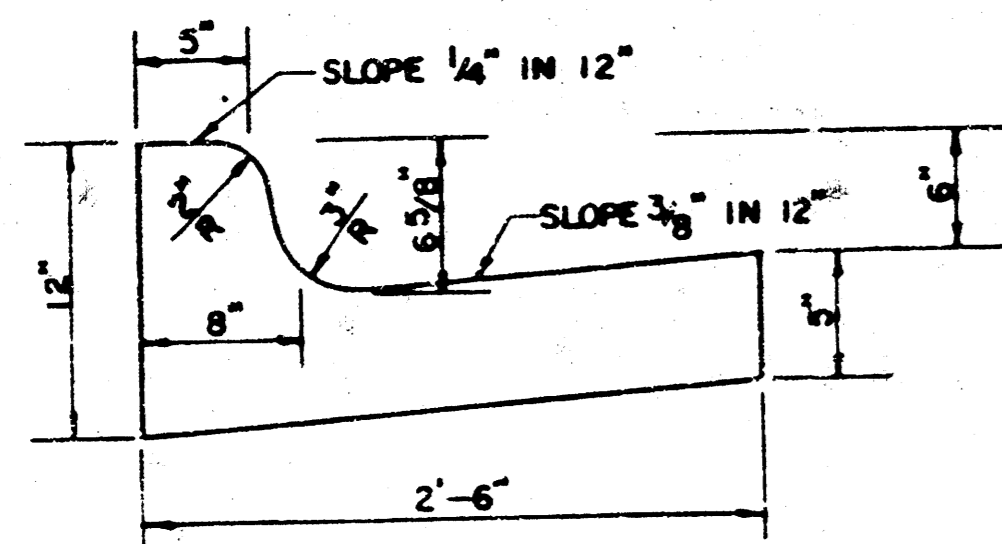
|   |  |                    |
|---|--|--------------------|
| <b>ME</b>   | <b>NORTHBROOK MEADOW 2ND ADDITION PHASE I PAVING PLANS</b> | Design<br>GJA      |
|   |  | Checked by<br>DSS  |
|   |  | Date<br>APRIL 1991 |
|   |  | Sheet<br><b>1</b>  |
| MID-KANSAS ENGINEERING CONSULTANTS PA<br>3500 NORTH ROCK ROAD<br>BUILDING #800<br>WICHITA, KANSAS 67226 |  | 636-5566           |

# TYPICAL 29' PAVEMENT DETAILS

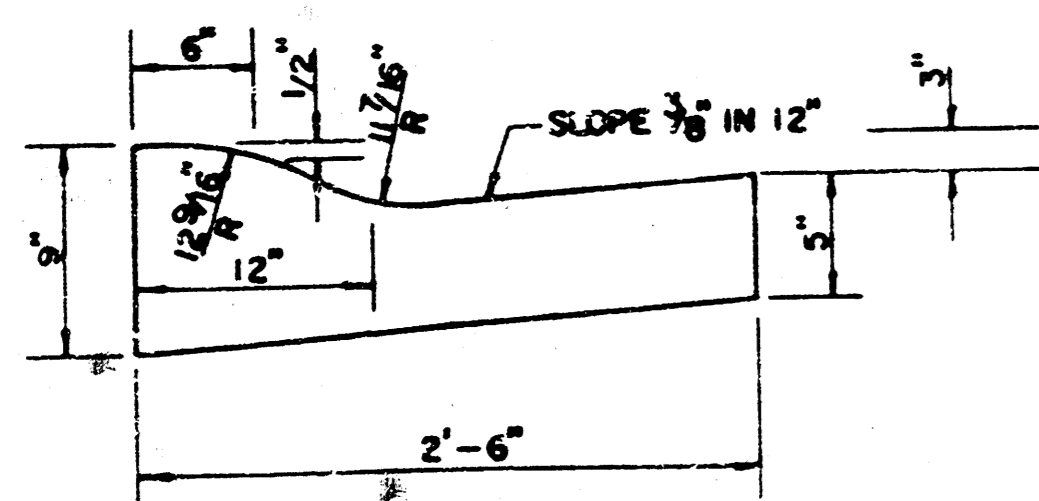


|   | DISTANCE FROM CENTERLINE (LT. & RT.) |      |      |      |      |      |      |      |      |       |        |        |
|---|--------------------------------------|------|------|------|------|------|------|------|------|-------|--------|--------|
|   | 0'                                   | 2'   | 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



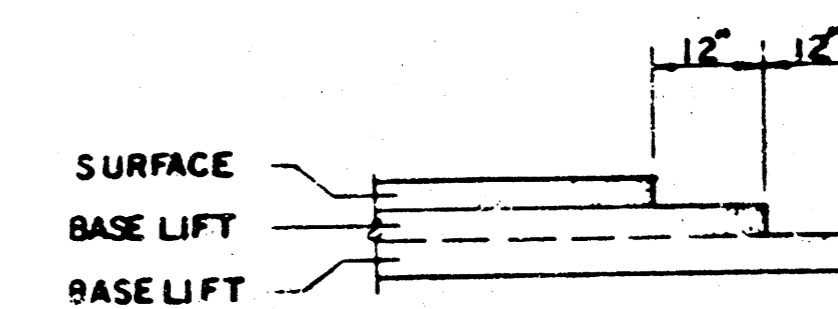
ROLL TYPE COMBINED CURB & GUTTER



### GENERAL NOTES

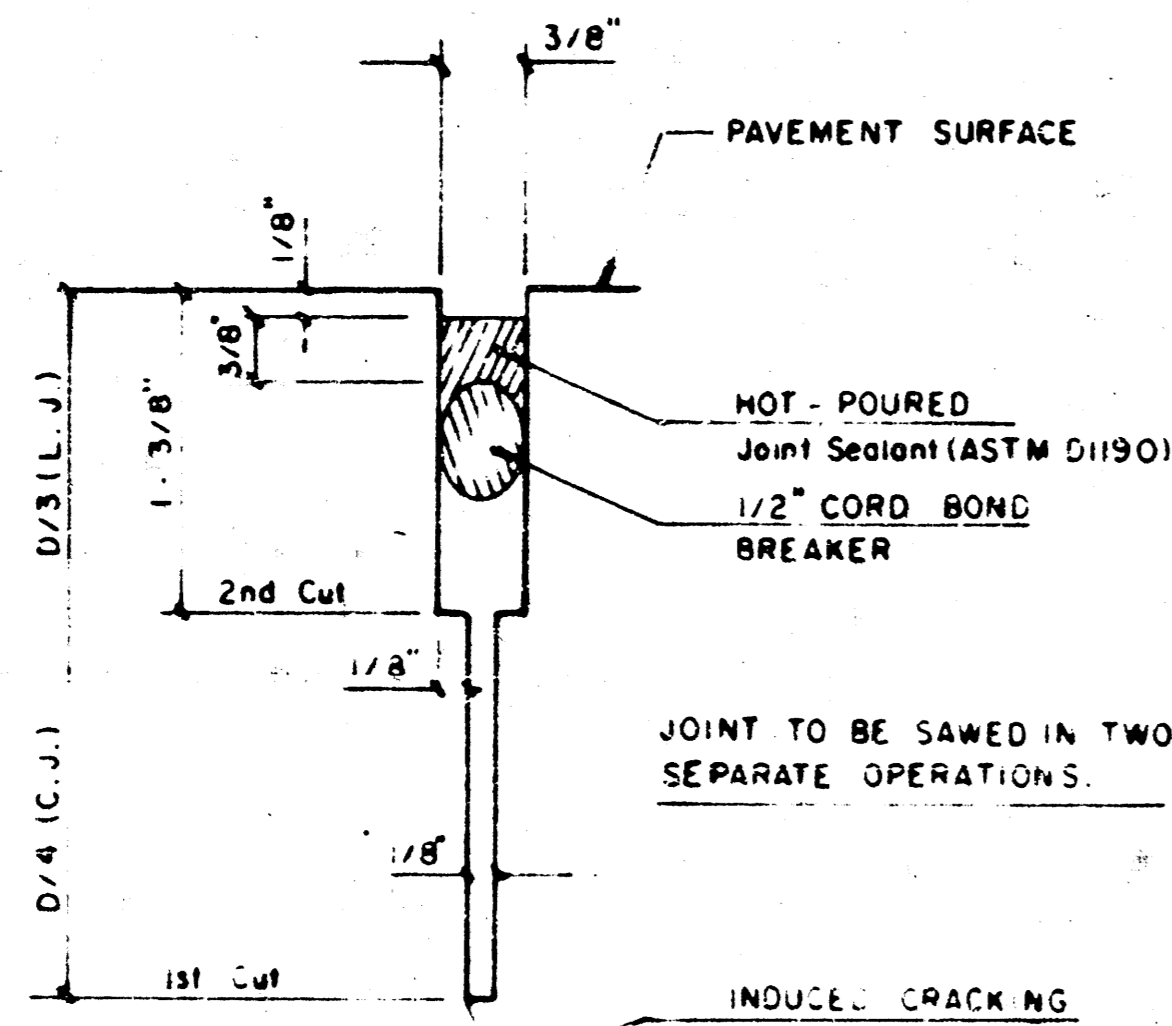
- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-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 LIFTS 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



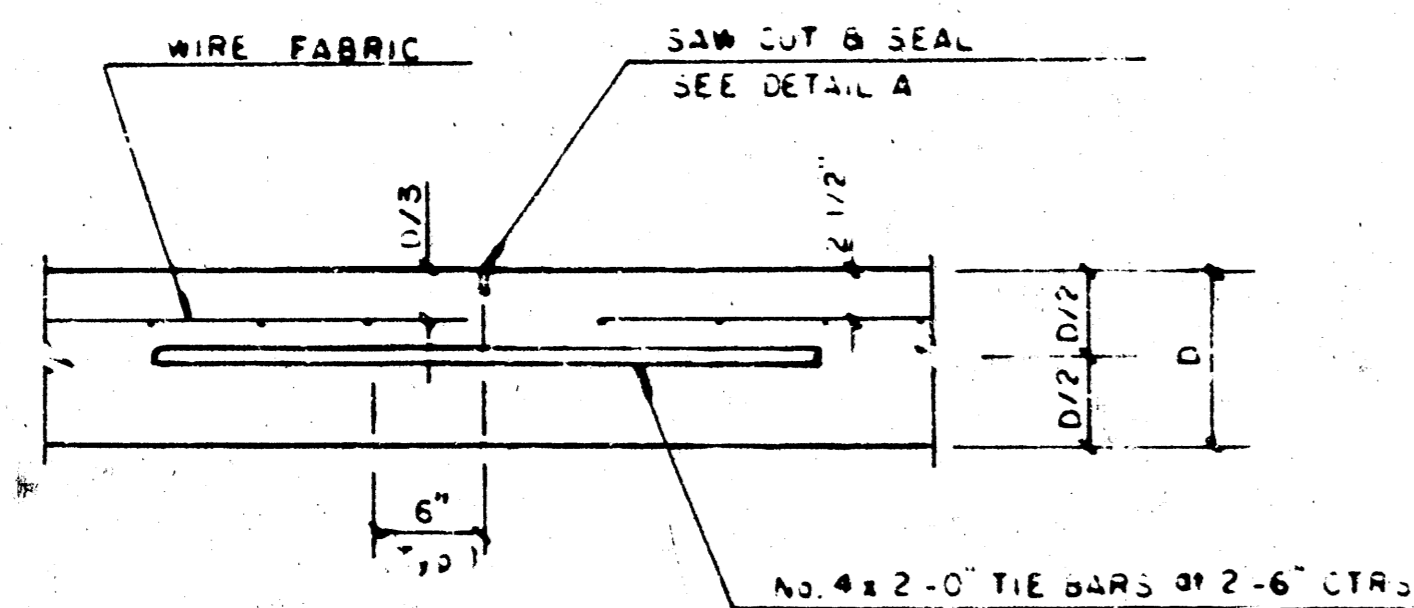
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC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

7 INCH RESIDENTIAL ASPHALTIC CONCRETE  
PAVEMENT WITH 5 INCH BITUMINOUS BASE  
CITY OF WICHITA, KANSAS  
NORTHBROOK MEADOW 2ND ADDITION - PHASE 1  
PROJ. NO. 472-82067

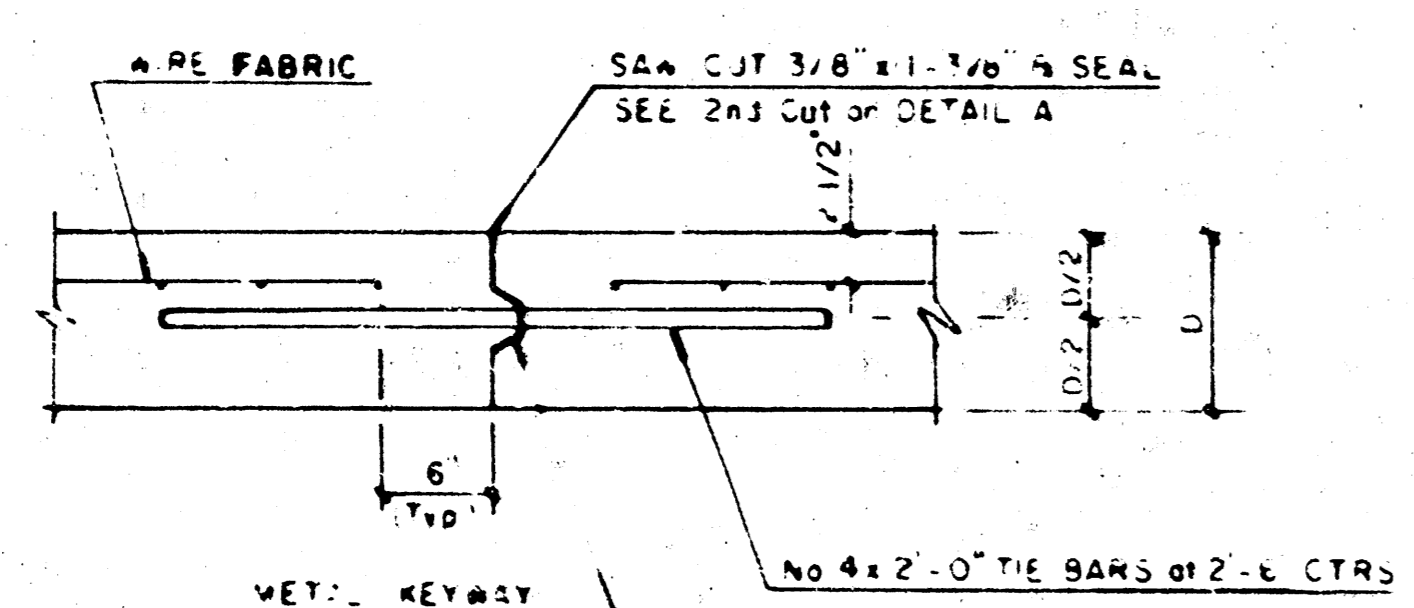


**DETAIL A**

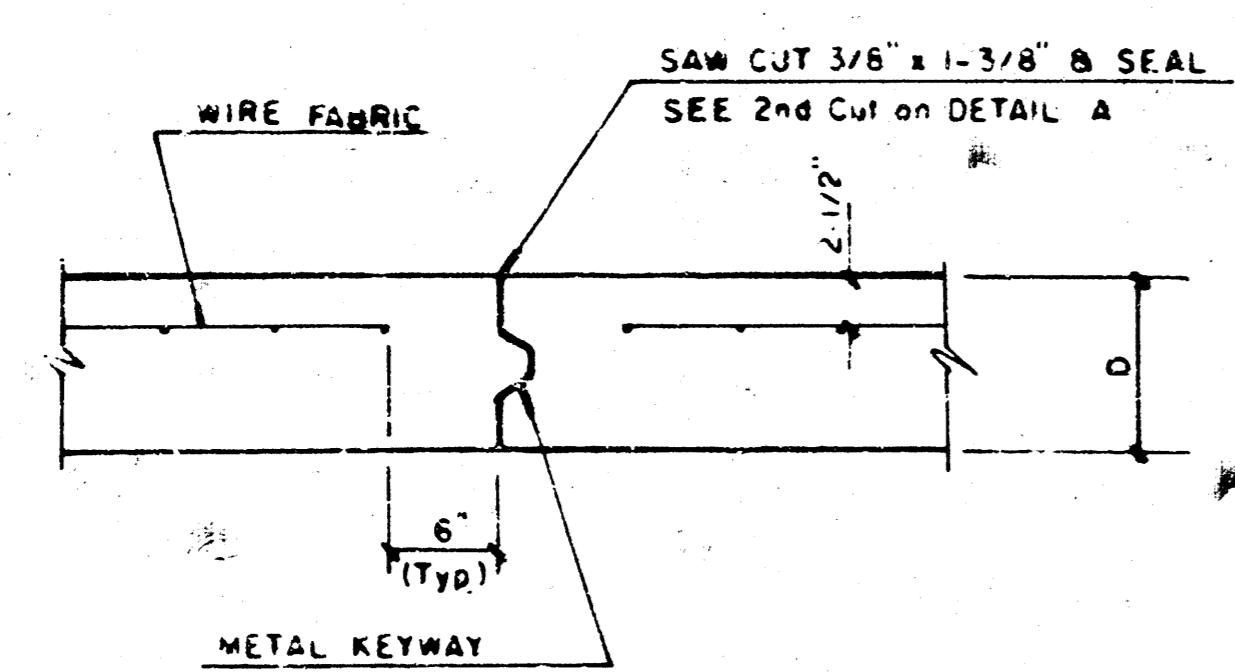
NOTE: ALL CONCRETE VALLEY GUTTER REINFORCEMENT SHALL BE ADEQUATELY SUPPORTED BY BAR CHAIRS IN THE REQUIRED POSITION UNLESS APPROVED OTHERWISE BY THE ENGINEER



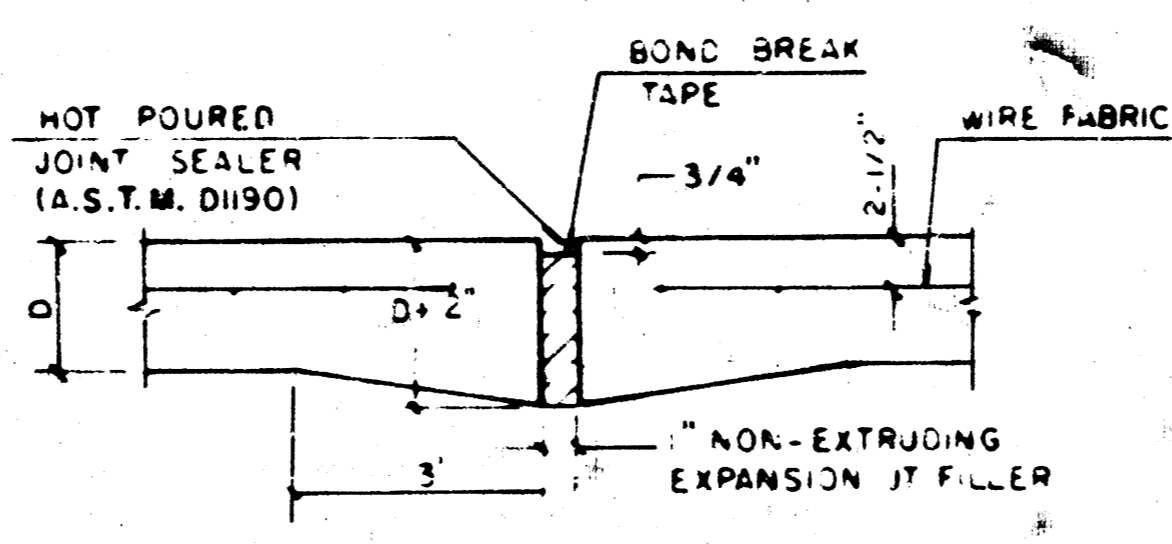
**LONGITUDINAL JOINT DETAIL (L.J.)**



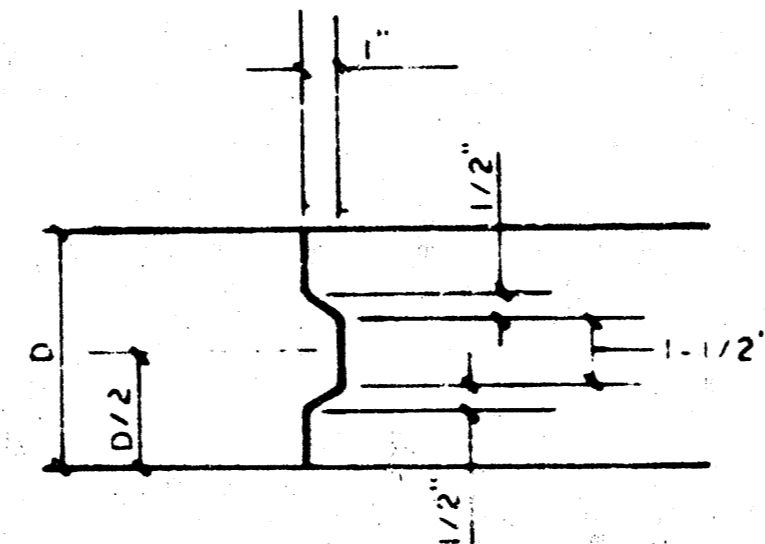
**OPTIONAL LONGITUDINAL CONSTRUCTION JOINT (L.J.) (Alternate L.J.)**



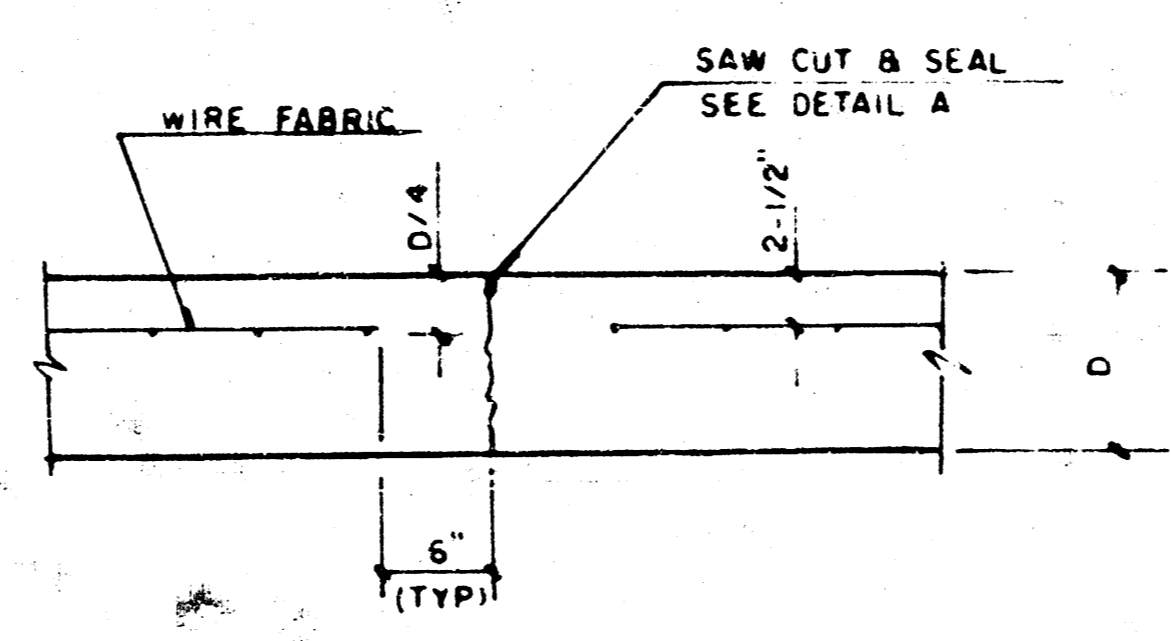
**OPTIONAL CONTRACTION CONSTRUCTION JOINT (C.J.) (Alternate C.J.)**



**EXPANSION JOINT**  
NOTE: EXTRA THICKNESS TO BE SUBSIDIARY TO PRICE OF SQ YDS PAVEMENT

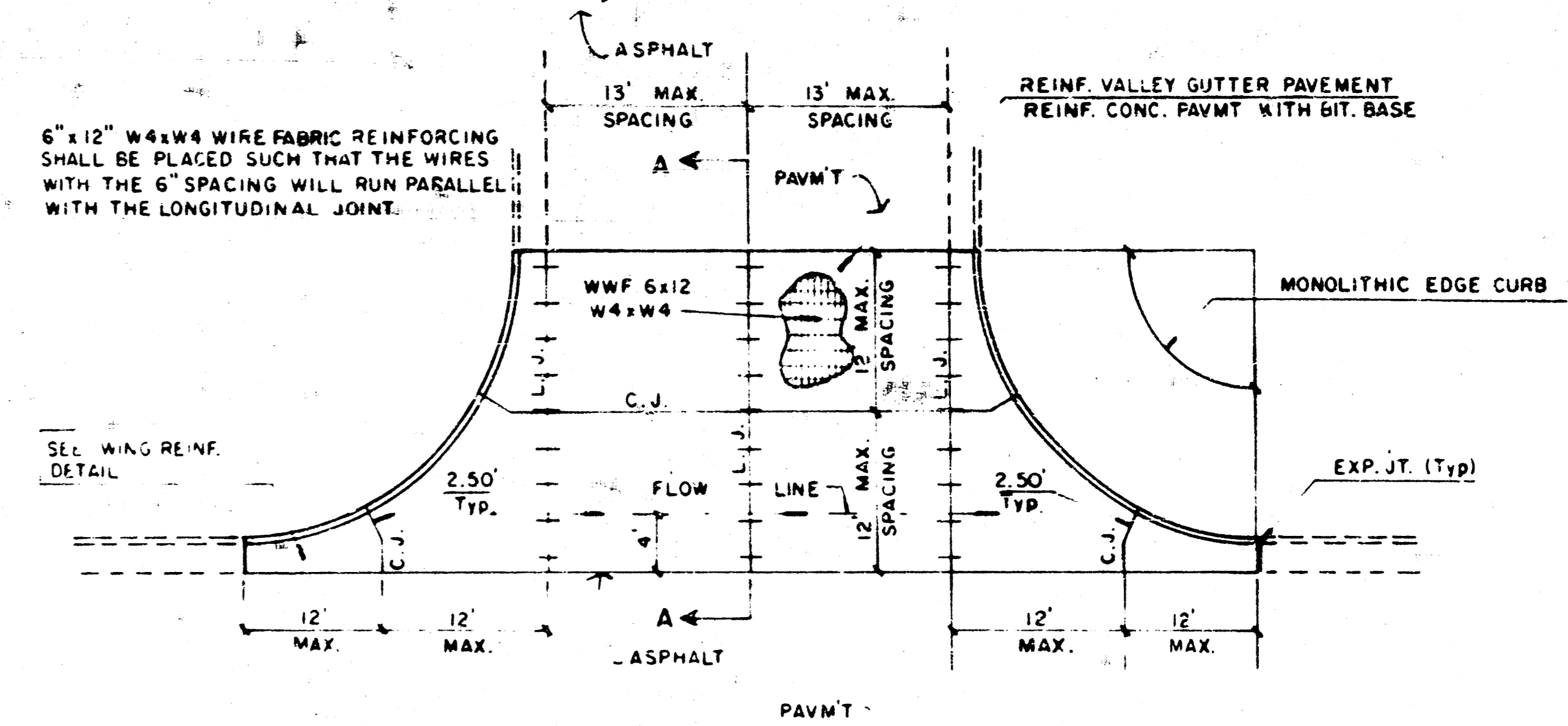


**KEYWAY DETAIL**

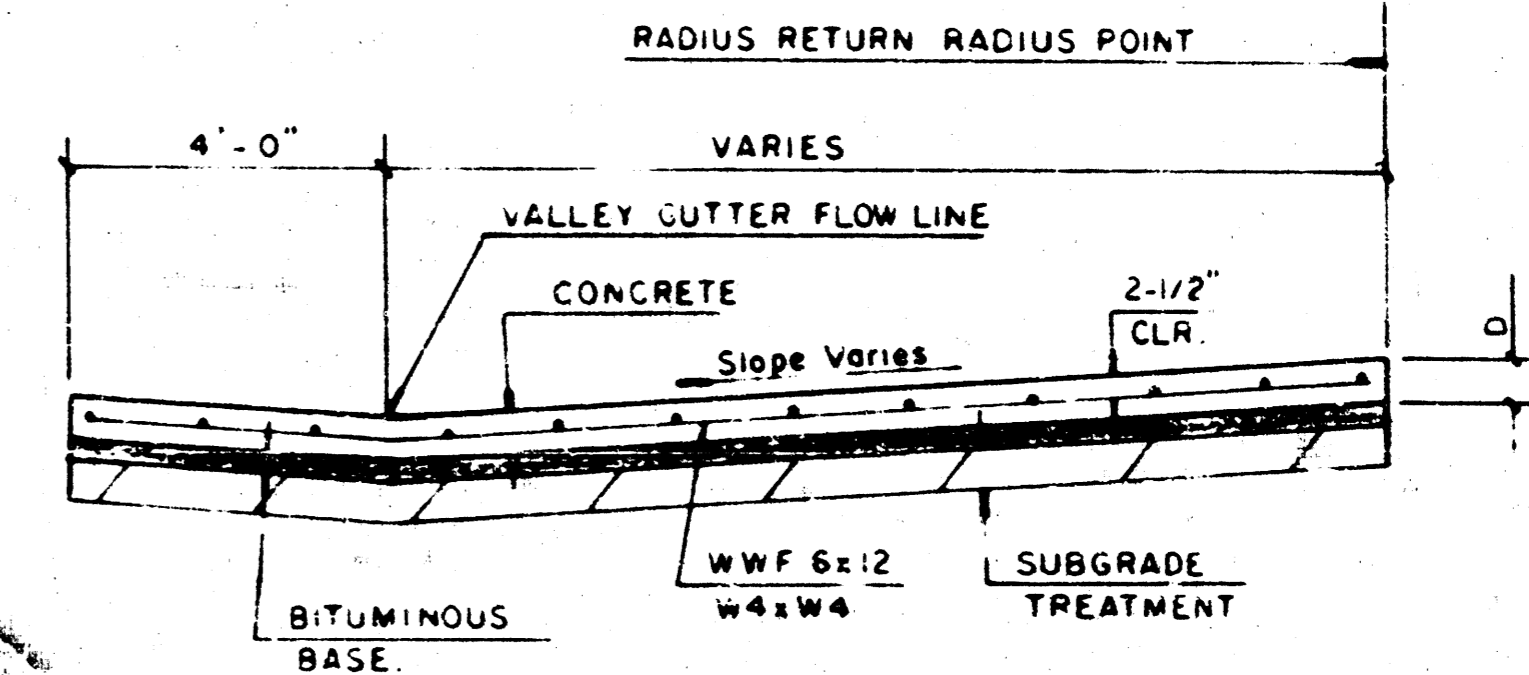


**CONTRACTION JOINT DETAIL (C.J.)**

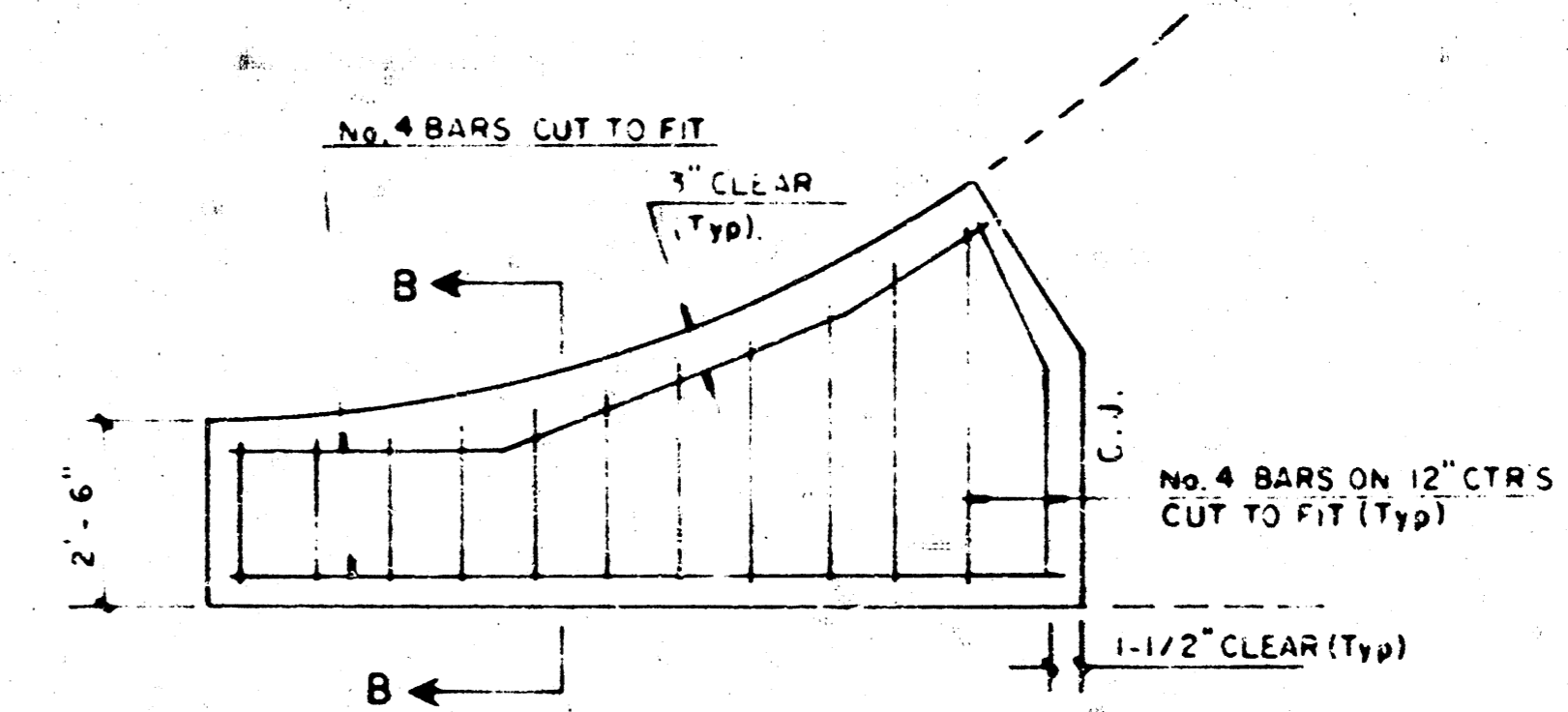
**LEGEND**  
C.J. IDENTIFIES CONTRACTION JOINT  
L.J. IDENTIFIES LONGITUDINAL JOINT



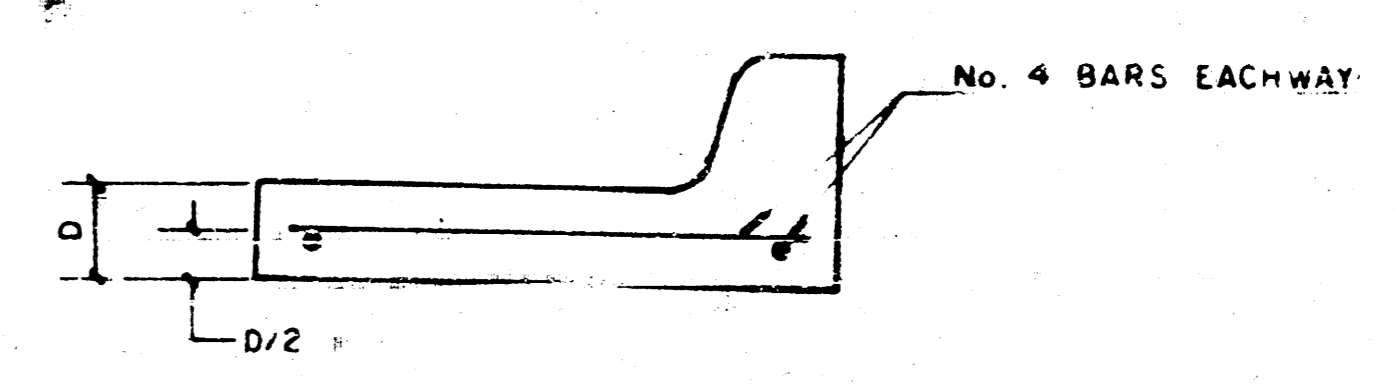
**PLAN REINFORCED VALLEY GUTTER**



**SECTION A-A**

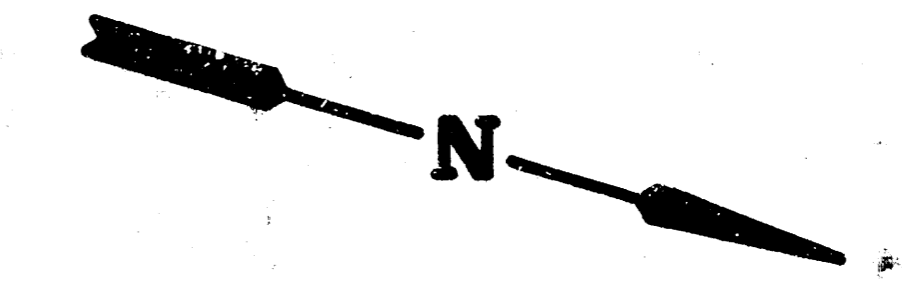
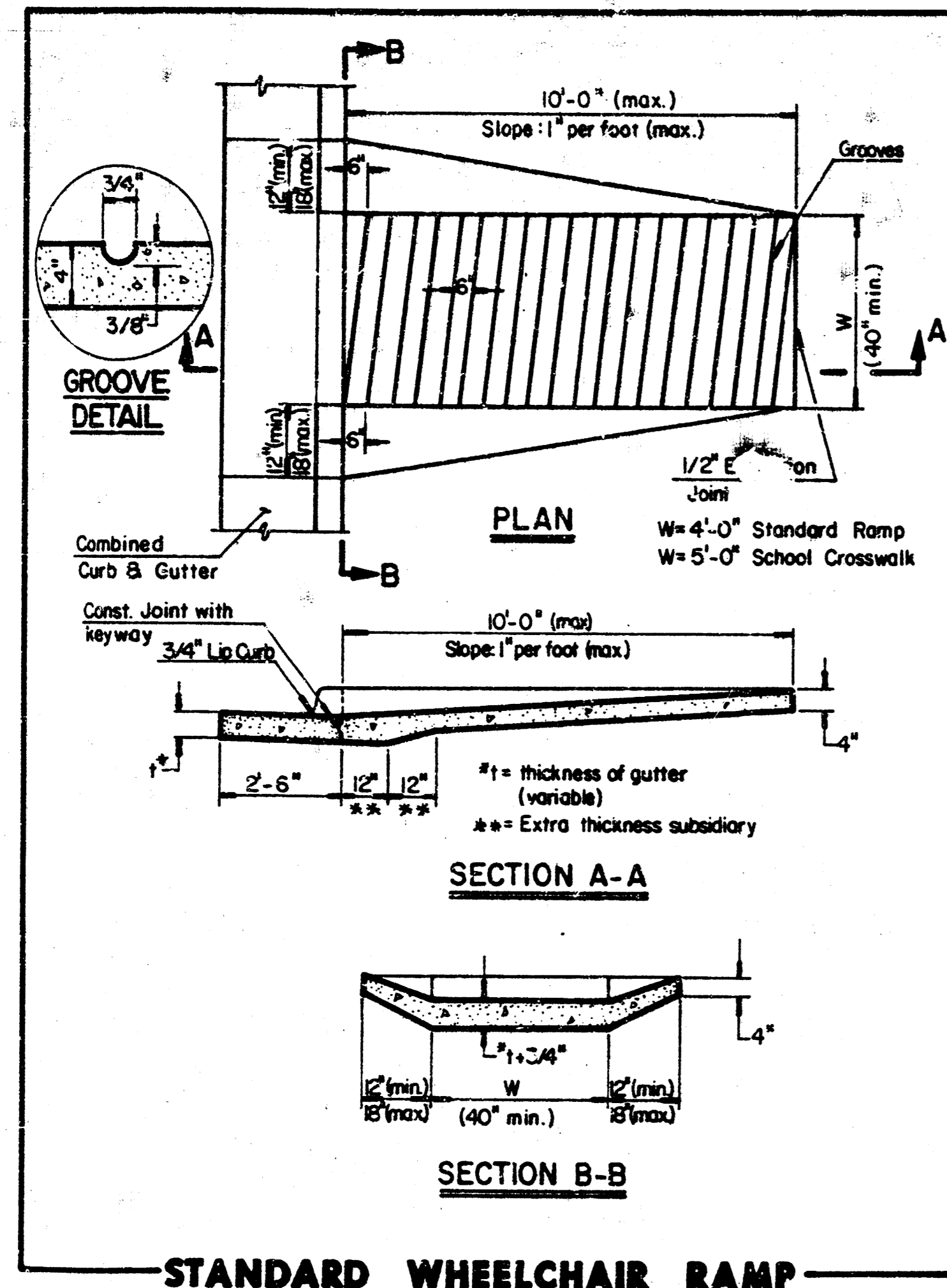


**WING REINFORCING DETAIL**

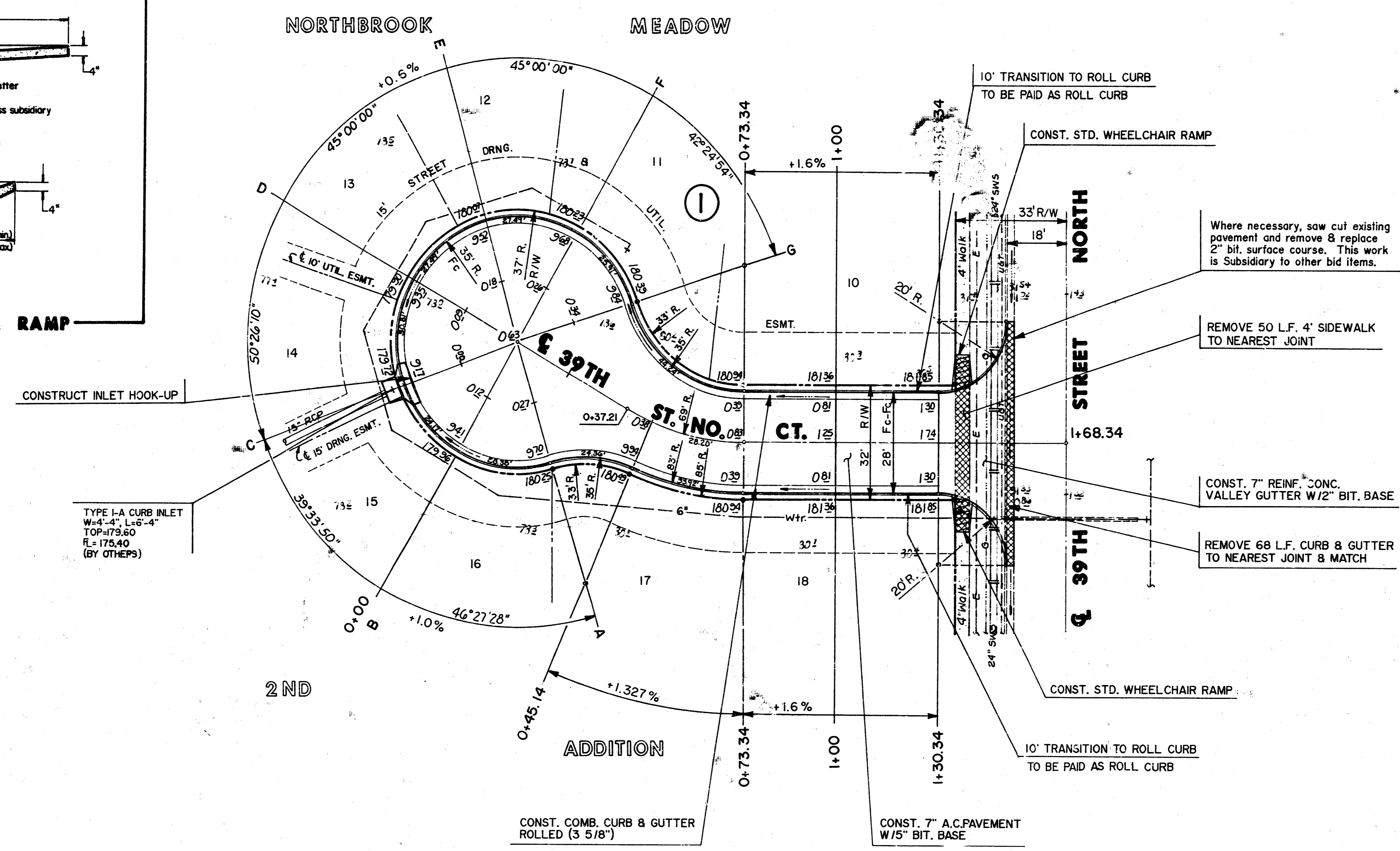


**SECTION B-B**

PROJECT DESCRIPTION:  
**VALLEY GUTTER DETAILS**  
NORTHBROOK MEADOW 2ND ADDITION - PHASE I  
PROJ. NO. 472-82067



Scale: 1" = 20'



$\Delta = 30^{\circ}00'00''$  R = 69.00' T = 18.49' L = 36.13' LC = 35.72'

CURVE DATA BASED ON CENTERLINE  $\Delta/2 = 15^{\circ}00'00''$

| CHORD LENGTH |        |              |              |            |                  |
|--------------|--------|--------------|--------------|------------|------------------|
| STATION      | ARC    | 8' Off Lt Cd | 8' Off Rt Cd | DEFLECTION | TOTAL DEFLECTION |
| 0+37.21      | -      | -            | -            | 00°00'00"  | 00°00'00"        |
| 0+45.14      | 7.93'  | 5.40'        | 10.45'       | 03°17'33"  | 03°17'33"        |
| 0+73.34      | 28.20' | 19.07'       | 36.93'       | 11°42'27"  | 15°00'00"        |

Def/Pc = 24.91121 Min.

**ARTHWORK**

|                  |
|------------------|
| Excavation = 142 |
| Comp. Fill = 93  |
| Borrow = 155     |

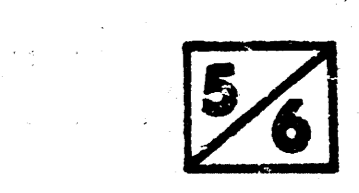
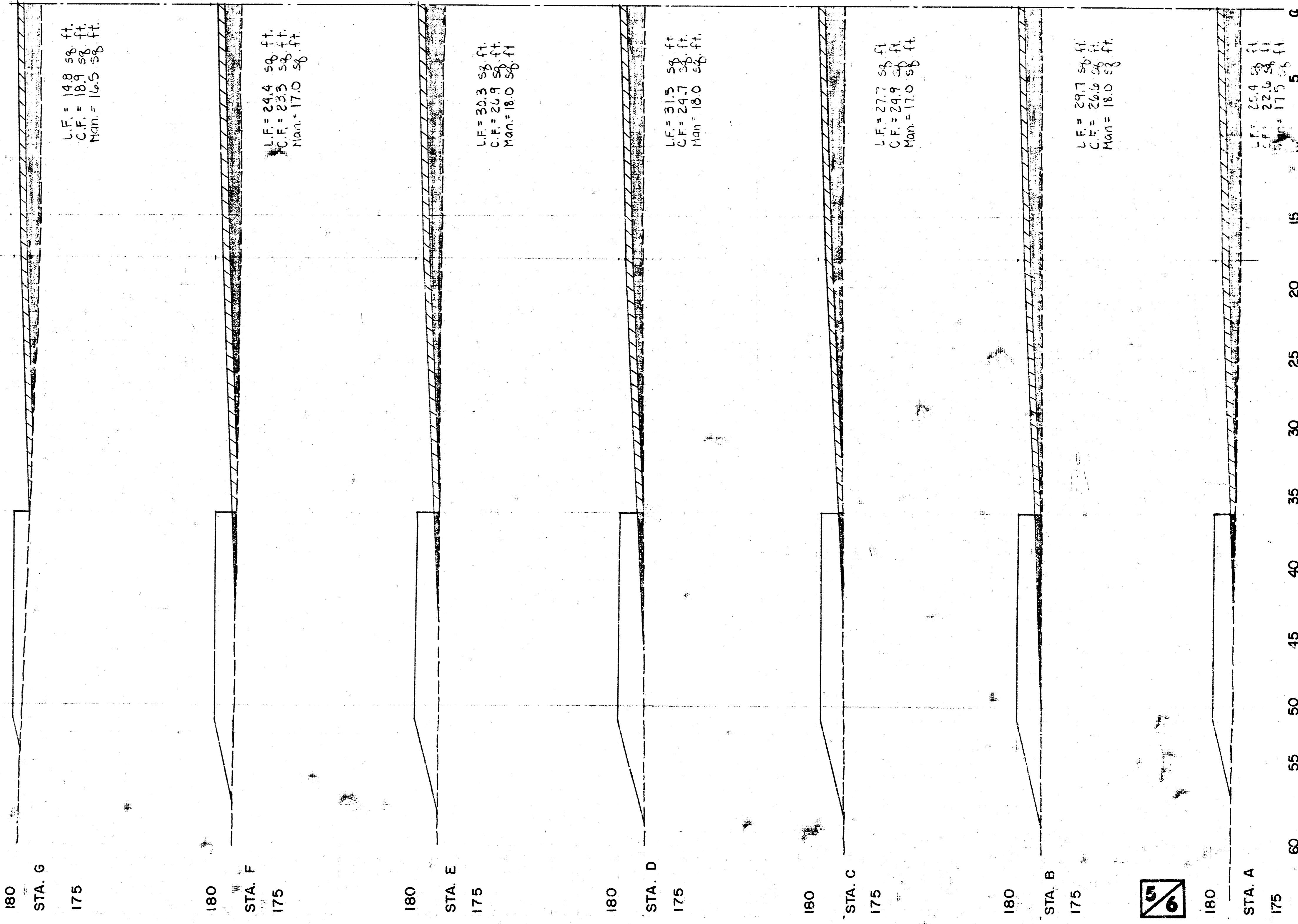
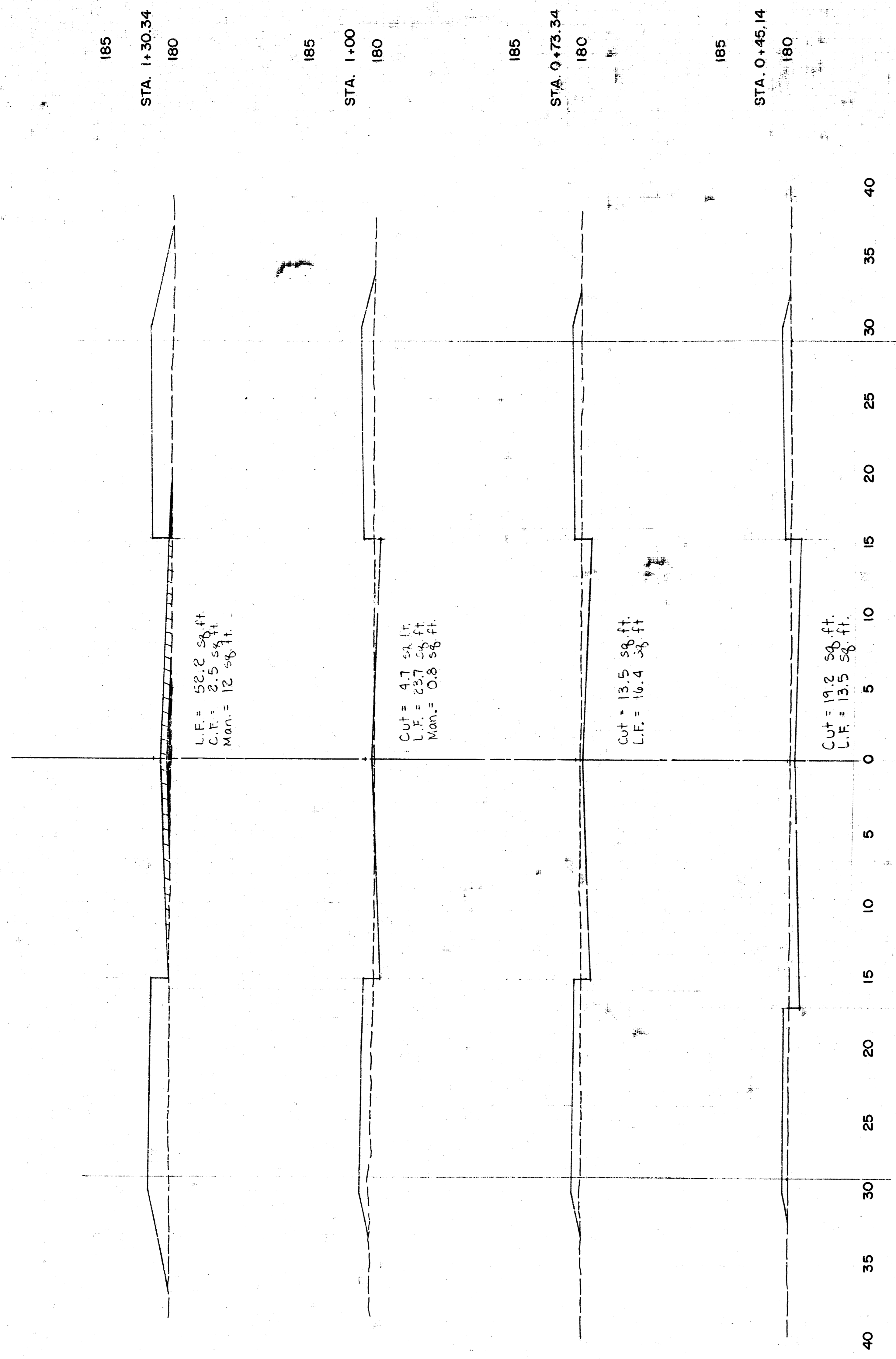
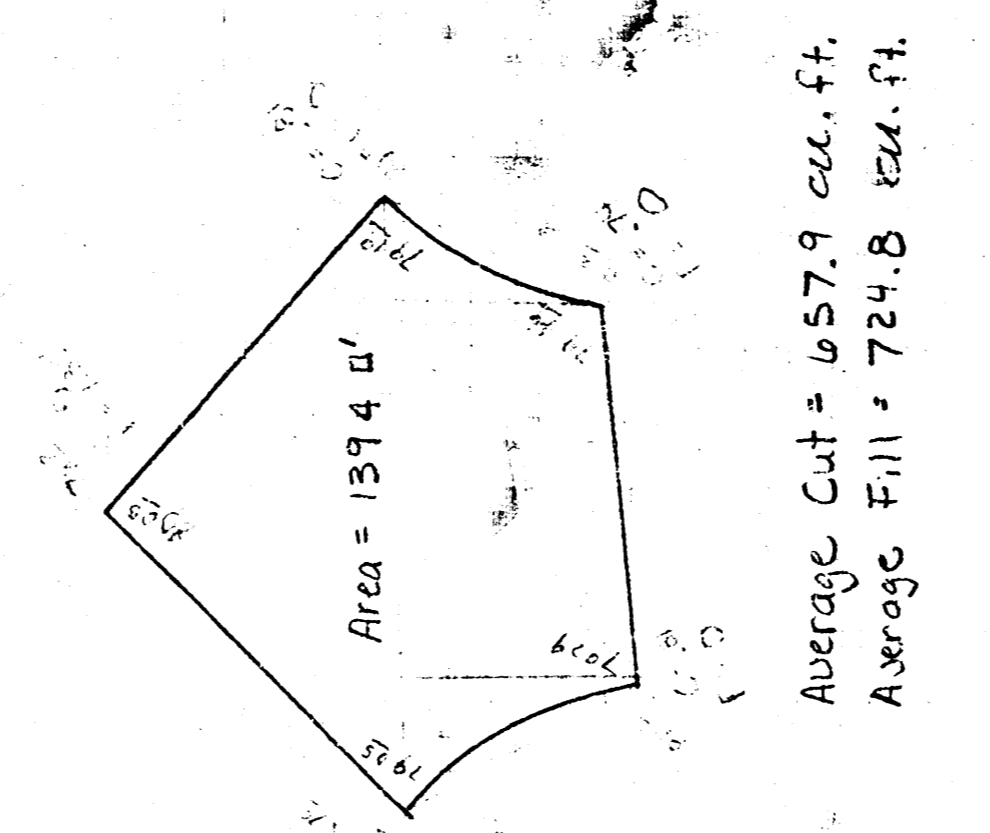
NOTE:  
 TOP OF CURB ELEVATIONS SHOWN FOR FULL CURB. CONSTRUCT COMBINED CURB & GUTTER (ROLL TYPE)

|   |                                       |                                     |
|---|---------------------------------------|-------------------------------------|
|   | CITY OF WICHITA                       | Design<br>GJA                       |
|   | <b>NORTHBROOK MEADOW 2ND ADDITION</b> | Drawn by<br>DPR                     |
|   | PROJECT NO. 472 - 82067               | Checked by<br>DSS                   |
|   |                                       | Date<br>APRIL 1991                  |
| MID-KANSAS ENGINEERING CONSULTANTS PA<br>3500 NORTH ROCK ROAD<br>BUILDING #800<br>WICHITA, KANSAS 67226 |                                       | Sheet<br><b>4</b><br>of<br><b>6</b> |

636-5566

WOODLAWN COURT, PAVING --- EARTHWORK QUANTITIES

| STATION         | DIST. | AREA     |           |           |           | VOLUME   |           |           |           |
|-----------------|-------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
|                 |       | CUT S.F. | L.F. S.F. | C.F. S.F. | M.F. S.F. | CUT C.Y. | FILL C.Y. | C.F. C.Y. | M.F. C.Y. |
| A               | 14.70 | 0.0      | 28.4      | 22.6      | 17.5      | 0.0      | 15.0      | 13.4      | 9.7       |
| B               | 12.50 | 0.0      | 28.7      | 26.6      | 18.0      | 0.0      | 13.3      | 11.9      | 8.1       |
| C               | 15.90 | 0.0      | 27.7      | 24.9      | 17.0      | 0.0      | 17.4      | 14.6      | 10.3      |
| D               | 14.20 | 0.0      | 31.4      | 24.7      | 18.0      | 0.0      | 16.2      | 13.6      | 9.5       |
| E               | 14.20 | 0.0      | 30.3      | 28.9      | 18.0      | 0.0      | 14.4      | 13.2      | 9.2       |
| F               | 13.40 | 0.0      | 24.4      | 23.3      | 17.0      | 0.0      | 9.7       | 10.5      | 8.5       |
| G               | 14.40 | 0.0      | 14.8      | 18.9      | 16.5      |          |           |           |           |
| CUL-DE-SAC      | 668.0 | 0.0      | 425.0     | 300.0     | 24.4      | 0.0      | 15.7      | 11.1      |           |
| 45.14           | 28.20 | 28.3     | 0.0       | 0.0       | 0.0       | 32.5     | 0.0       | 0.0       | 0.0       |
| 73.34           | 26.88 | 34.0     | 0.0       | 0.0       | 0.0       | 32.1     | 0.0       | 0.0       | 0.0       |
| 100.00          | 30.34 | 31.0     | 0.0       | 0.0       | 0.0       | 27.2     | 4.4       | 0.0       | 0.0       |
| 130.34          | 14.50 | 17.4     | 7.8       | 0.0       | 0.0       | 26.2     | 2.1       | 0.0       | 0.0       |
| 144.84          |       | 80.0     | 0.0       | 0.0       | 0.0       |          |           |           |           |
| PROJECT TOTAL = |       |          |           |           |           | 142.3    | 92.5      | 92.9      | 66.2      |



PC 18-10

# FINAL PLAT OF NORTHBROOK MEADOW 2ND. ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



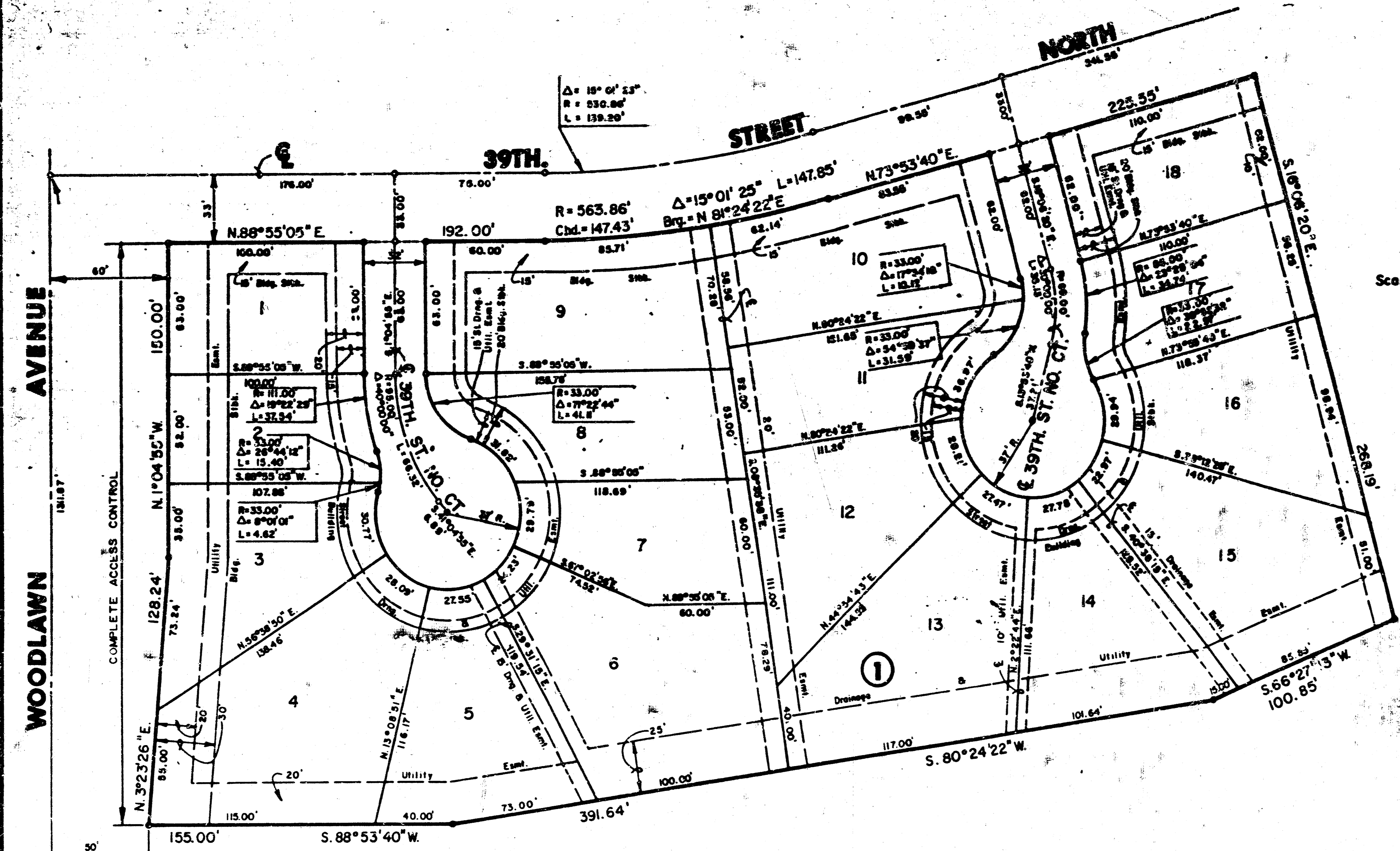
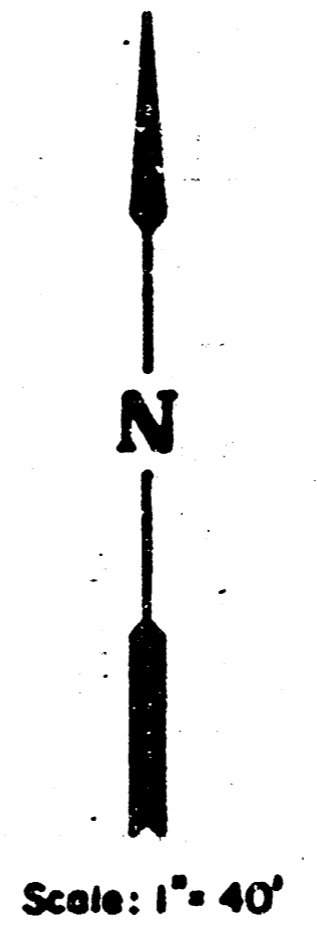
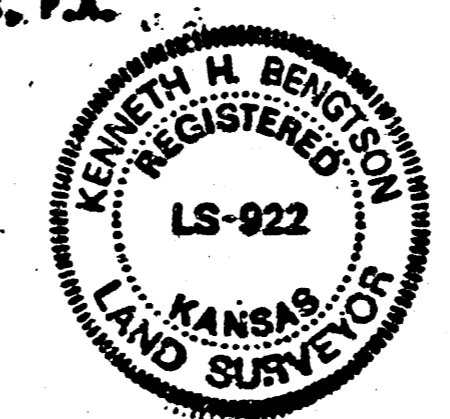
I, Kenneth H. Bengtson, a Civil Engineer and Land Surveyor in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "NORTHBROOK MEADOW 2ND ADDITION", an addition to Wichita, Sedgwick County, Kansas, of 16 lots, a block, and streets, the same being accurately set forth in the accompanying plat and described hereinafter.

A replat of Lot 62, Block 1, NORTHBROOK ADDITION, an addition to Wichita, Sedgwick County, Kansas.

All lots, blocks, streets, easements and building setbacks located within the above described property are being vacated and replatted by virtue of K.S.A. 12-512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 21st day of June, 1990.

Kenneth H. Bengtson, P.E., L.S. 922  
116-Kansas Engineering Consultants, P.A.  
300 N. Rock Road, Building 9000  
Wichita, KS 67226



S.W. Cor., N.W. 1/4, S.W. 1/4  
Sec. 30, T.26 S., R.2 E., 6th PM.

**MIN. PAD ELEVATIONS (Minimum Opening)**  
LOTS 3, 4, 8, 15, BLOCK 1 - (180.6 CITY DATUM)  
(1368.0 MSL)  
LOT 16, BLOCK 1 - (181.0 CITY DATUM)  
(1368.4 MSL)  
LOTS 17 & 18, BLOCK 1 (181.6 CITY DATUM)  
(1369.0 MSL)

**BENCH MARK**  
"C" CUT ON N.W. COR. OF R.C.B. ON 39TH ST. NO.  
AT S.E. COR. OF NORTHBROOK MEADOW  
ELEV. = 183.45 CITY DATUM

20.00 ck

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineers and Land Surveyors Certificate have caused the same to be surveyed and platted into lots, a block and streets the same to be known as NORTHBROOK MEADOW 2ND ADDITION, an addition to Wichita, Sedgwick County, Kansas. The streets are hereby dedicated to and for the use of the public. Easements for construction and maintenance of public utilities, drainage, and streets are hereby granted. All abutting rights of access over and across the west line of Lots 1 through 4 inclusive, Block 1 are hereby granted to the City of Wichita. Minimum pad elevations are as indicated on the face of the plat.

PORTER AND PLUMER HOMES  
a Kansas General Partnership  
J.M. Porter Enterprises, Inc., Partner  
Plumer Construction, Inc., Partner

By: Mark E. Porter Partner, President  
By: Keith E. Plumer Partner, President

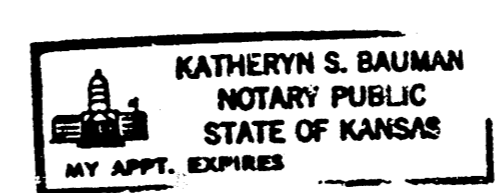
Before us, the undersigned, partners of said partnership

STATE OF KANSAS  
SEDGWICK COUNTY

So it remembered that on this 21st day of October, 1990, before me a Notary Public in and for said State and County, came Keith E. Plumer, President of Plumer Construction, Inc., Partner, and Mark E. Porter, President of J. M. Porter Enterprises, Inc., Partner, being all of the partners of Porter and Plumer Homes, a partnership, on behalf of the partnership and on behalf of the corporations, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof, I have hereunto set my hand and year above written.

Kathryn S. Bauman, Notary Public

My Appointment Expires: 1-24-91



This plat of "NORTHBROOK MEADOW 2ND ADDITION" has been submitted, passed and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 21st day of June, 1990.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION  
Gregg D. ... Acting Chairman  
Marvin Street Secretary

This plat approved and all collections thereon, accepted by the City Council of the City of Wichita, Kansas, on the 27th day of November, 1990.

... Mayor  
... Deputy City Clerk

Entered on transfer record this 26th day of December, 1990.

... County Clerk

STATE OF KANSAS  
SEDGWICK COUNTY

This is to certify that this instrument was filed for record in the Register of Deeds office this 26th day of December, 1990.  
... Register of Deeds  
Ed Reed Deputy

I, William L. Oliver, Jr., mortgagee on the above described property, do hereby consent to the plat of "NORTHBROOK MEADOW 2ND ADDITION".

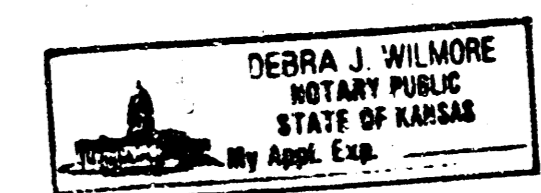
William L. Oliver, Jr.

STATE OF KANSAS  
SEDGWICK COUNTY

So it remembered that on this 21st day of November, 1990, before me a Notary Public in and for said State and County, came William L. Oliver, Jr., to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof, I have hereunto set my hand and affixed my notarial seal the day and year above written.

Debra J. Wilmore, Notary Public

My Appointment Expires: 7-19-93



6/6

PC 18-10