

SUNRIDGE
FROM THE SOUTH LINE OF 21ST STREET
NORTH TO THE SOUTH LINE OF LOT 12,
BLOCK A, SUNRIDGE ADDITION.

CORNELISON CIRCLE
FROM THE EAST LINE OF SUNRIDGE TO
THE WEST LINE OF LOT 6, BLOCK B,
SUNRIDGE ADDITION.

CITY PROJECT NO. 472-76-245-81879-000-000-001
INDEX NO. 607978

CITY OF WICHITA, KANSAS
M.E. LINDEBAK CITY ENGINEER
April, 1989

NOTE -

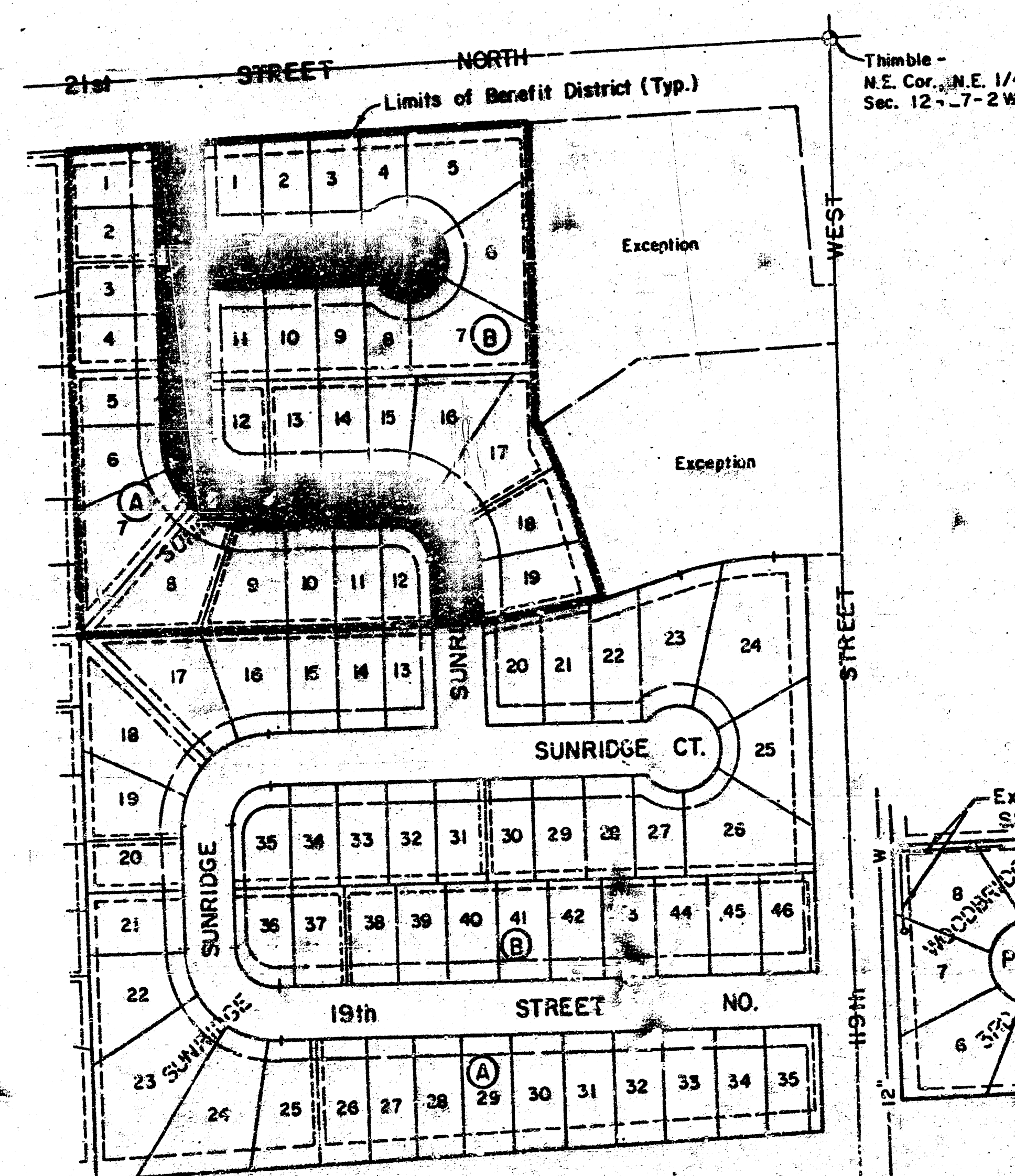
Portions of the streets in this project
to be constructed with roll-type curb.
Top of curb elevations given are for full
height curb.

EARTHWORK QUANTITIES

EXCAVATION = 3,277 C.Y.
COMPACTED FILL = 210 C.Y.

NOTES:

- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF TWENTY-FOUR (24) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
KANSAS ONE-CALL 687-2470
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
CABLEVISION 262-4270 OR 263-2061
K.P. & L. GAS SERVICE COMPANY 263-7511
KANSAS GAS & ELECTRIC 264-1141
ARLGA GAS COMPANY 942-8350 OR 263-8161
SOUTHWESTERN BELL TELEPHONE COMPANY 1-571-2611
CITY OF WICHITA WATER DEPARTMENT 268-4908
CITY OF WICHITA SEWER MAINTENANCE 268-4077
- INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA IS NOT TO BE CARRIED THROUGH CONSTRUCTION.
- EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- 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.
- THIS PROJECT DOES NOT INCLUDE ANY PROVISIONS FOR CONSTRUCTION OF DRIVEWAYS.
- 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 CONTRACT PAY ITEMS OF WORK.
- LIMITS OF EARTHWORK SHALL MATCH EXISTING GROUND ELEVATIONS AT THE RIGHT-OF-WAY LINE UNLESS OTHERWISE NOTED ON THE PLANS WITH A NEW FINISHED GRADE ELEVATION. WHEN A NEW FINISHED GRADE ELEVATION IS SHOWN, THE EARTHWORK SHALL EXTEND ONE FOOT BEYOND THE RIGHT-OF-WAY LINE AND THEN SLOPED UP OR DOWN USING PERMISSIBLE SLOPES TO MATCH THE EXISTING GROUND SURFACE.
- CONTRACTOR SHALL GIVE THE OWNER OF PROPERTY ADJUTING THIS PROJECT, WHOSE YARDS WILL BE LOWER THAN THE NEW FINISHED GRADE ELEVATIONS AT THE RIGHT-OF-WAY LINE, AN OPPORTUNITY TO UTILIZE EXCESS EXCAVATED MATERIAL FROM THE PROJECT TO REGRADE THOSE YARDS TO DRAIN TO THE NEW PAVEMENT. CONTRACTOR WILL BE REQUIRED TO DUMP AND SPREAD THE EXCESS MATERIAL AS REQUIRED BY THE SPECIFICATIONS WHEN REQUESTED BY THE PROPERTY OWNER. THE CONTRACTOR SHALL BE FURNISHED A WRITTEN REQUEST FROM THE PROPERTY OWNER BEFORE ANY SUCH EXCESS MATERIAL IS DELIVERED TO SUCH PROPERTIES.
- THE CONTRACTOR WILL BE PERMITTED TO BID ONLY ONE OF THE ALTERNATE TYPES OF SUB-GRADE TREATMENT. THE TYPE BID BY THE SUCCESSFUL BIDDER WILL BE THE TYPE OF SUB-GRADE TREATMENT USED TO CONSTRUCT THE PROJECT.
- 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.
- THE WATER DEPARTMENT SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, WATER VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL ADJUST WATER VALVE BOXES AS DIRECTED BY THE ENGINEER. THIS WORK TO BE SUBSIDIARY TO OTHER BID ITEMS.
- INLET HOOKUPS SHALL BE BID PER EACH REGARDLESS OF INLET SIZE.



- BENCHMARKS:** (CITY DATUM)
- CITY DISC, 79' SOUTH & 46' EAST OF NE CORNER SEC. 12, T27S, R24W. ELEV. = 172.08
 - CHISELED "C" ON CTR. SOUTH HUBGUARD, 7' X 3' RCBC UNDER 21ST N. 470' WEST OF NW COR. SUNRIDGE ADDITION. ELEV. = 164.08

INDEX

Sheet No.	Description.
1.	Cover Sheet
2.	Recorded Plat - Sunridge
3.	Pavement Standards
4-5	Sunridge Plans
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7.	Valley Gutter Details
8-12	Cross Sections

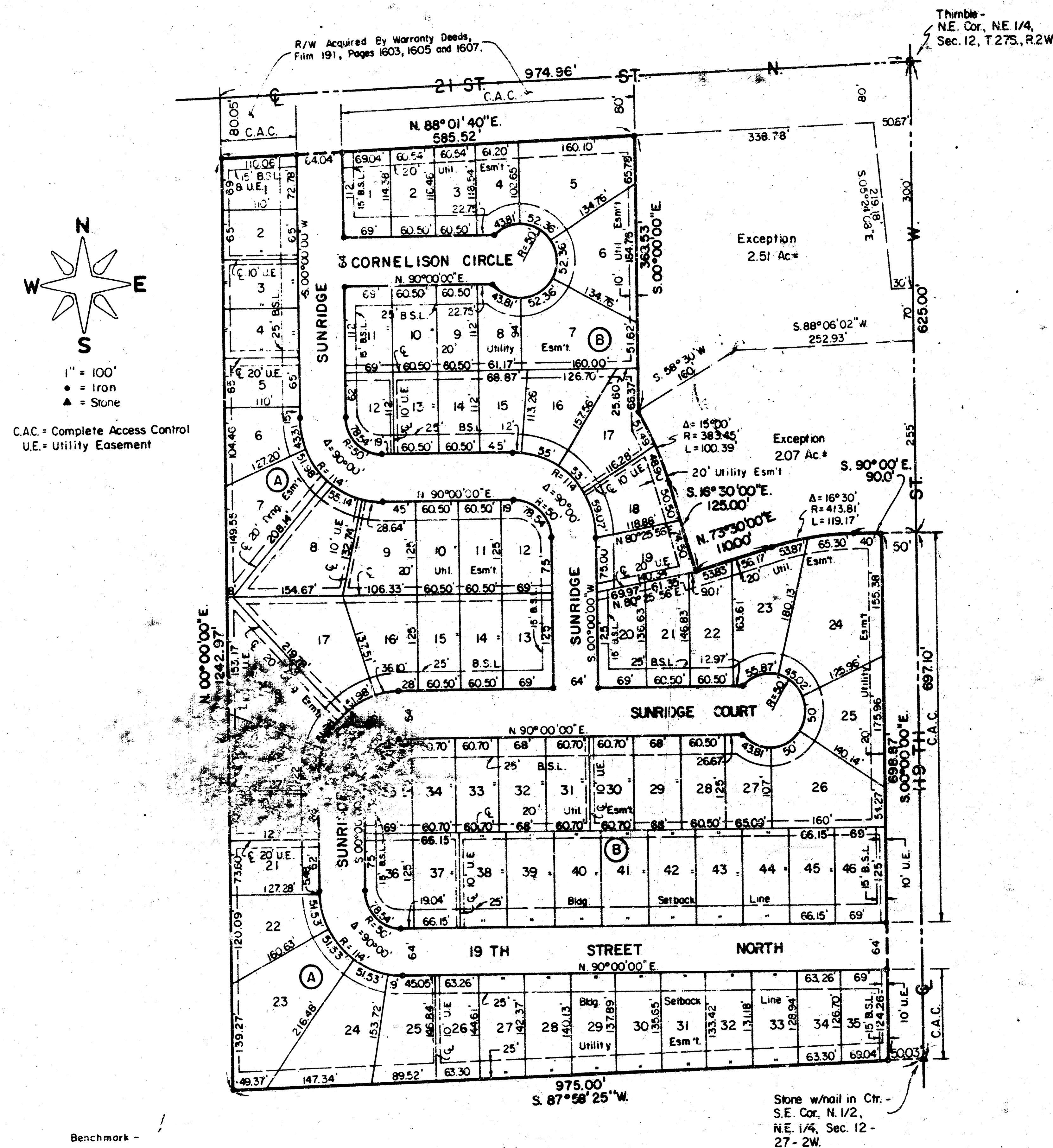
MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

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F 1-27

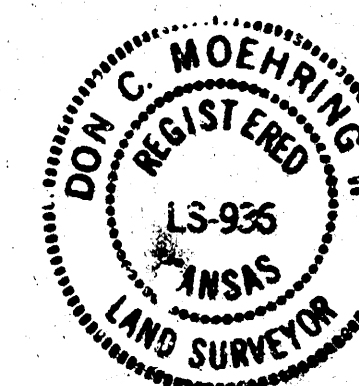
SUNRIDGE

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

I, Don C. Moehring II, a Registered Land Surveyor in said State and County, do hereby certify that I have surveyed and platted "SUNRIDGE", an Addition to Wichita, Sedgwick County, Kansas, into Lots, Blocks and Streets, the same being accurately set forth on the accompanying plat, being a tract of land in the North 1/2 of the NE 1/4 of Sec. 12, T27S, R2W of the 6th P.M., Sedgwick County, Kansas, described as beginning at a point in the East line and 625.0' South of the Northeast corner of the NE 1/4 of said Sec. 12; thence South along the East line of said NE 1/4, and with an assumed bearing of S. 00°00'00" E., a distance of 697.10' to the Southeast corner of the North 1/2 of said NE 1/4; thence S. 87°50'25" W., along the South line of the North 1/2 of said NE 1/4, a distance of 975.0'; thence N. 00°00'00" E., a distance of 1242.97' to a point in the South right-of-way line of 21st Street N.; thence N. 88°01'40" E. parallel with the North line of said NE 1/4, a distance of 585.52'; thence S. 00°00'00" E., a distance of 368.53' to a point on a curve to the right having a radius of 383.45'; thence Southeast along said curve to the right and through a central angle of 15°00', a distance of 100.39' to the P.T. of said curve, the chord to said curve bearing S. 24°00'00" E.; thence S. 16°30'00" E., a distance of 125.0'; thence N. 73°30'00" E., a distance of 110.0' to the P.C. of a curve to the right having a radius of 413.81'; thence along said curve to the right and through a central angle of 16°30', a distance of 119.17' to the P.T. of said curve; thence S. 90°00'00" E., a distance of 90.0' to the point of beginning.



Don C. Moehring II, Surveyor

Know all men by these presents that we the undersigned, property owners of the land as above set forth in the Surveyor's Certificate, have caused the same to be surveyed and platted into Lots, Blocks and Streets, to be known as "SUNRIDGE", an Addition to Wichita, Sedgwick County, Kansas. The Streets are hereby dedicated to and for the use of the public. Easements for the construction and maintenance of public utilities and drainage, as indicated on the accompanying plat, are hereby granted. All abutters rights of access to and from 21st St. North, over and across the North line of Lot 1, Block A and over and across the North line of Lots 1, 2, 3, 4 and 5, Block B, and also, all abutters rights of access to and from 119th St. West, over and across the East line of Lots 24, 25, 26 and 46, Block B, and over and across the East line of Lot 35, Block A, are hereby granted to the appropriate Governing Body.

GENESIS HOMES, INC.

Billy J. Gray, President

Denise M. Gray, Secretary-Treasurer

STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

Be it remembered that this 17th day of November, 1988, before me, a Notary Public in and for said State and County, came Genesis Homes, Inc. by Billy J. Gray, President and Denise M. Gray, Secretary-Treasurer, in behalf of the Corporation, to me personally known to be the same persons who executed the foregoing instrument of writing and duly acknowledged the execution of the same in behalf of and as the act and deed of said Corporation. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Denise E. Northrup, Notary Public

My Commission Expires 12-28-91



This plat of "SUNRIDGE" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission.

Dated this 15th day of September, 1988.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

Elton Parsons, Chairman

Harvin S. Krout, Secretary

This plat has been approved and all dedications shown hereon, if any accepted by the City Council of the City of Wichita, Kansas, this 1st day of October, 1988.

Sheldon Kamen, Mayor

Date E. Rea, Deputy City Clerk

STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

This is to certify that this instrument was filed for record in the Register of Deeds Office at 3:15 P.M. on the 23rd day of DECEMBER, 1988.

Pat Kettler, Register of Deeds

Ed Resa, Deputy

Entered on transfer record this 23 day of December, 1988

Don Wright, County Clerk

We the undersigned, mortgagee on the above described property, do hereby consent to the plat of "SUNRIDGE".

HAYSVILLE STATE BANK

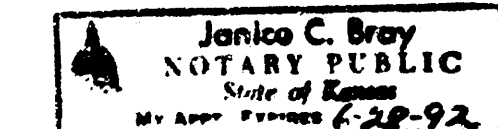
Stephen K. Matthews, President

STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

Be it remembered that this 16th day of November, 1988, before me, a Notary Public in and for said State and County, came Haysville State Bank by Stephen K. Matthews, President, in behalf of the Bank, 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 behalf of and as the act and deed of said Bank. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

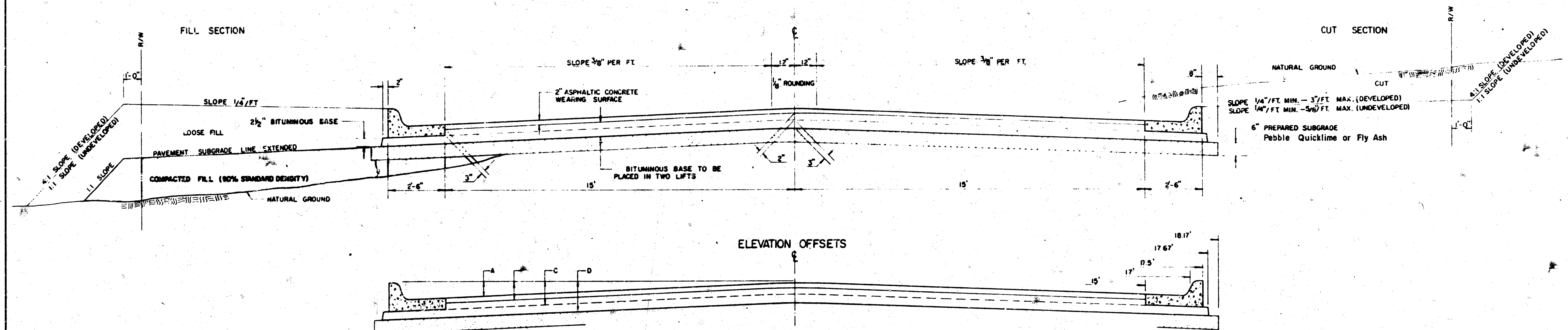
Janice C. Bray, Notary Public

My Commission Expires June 28, 1992

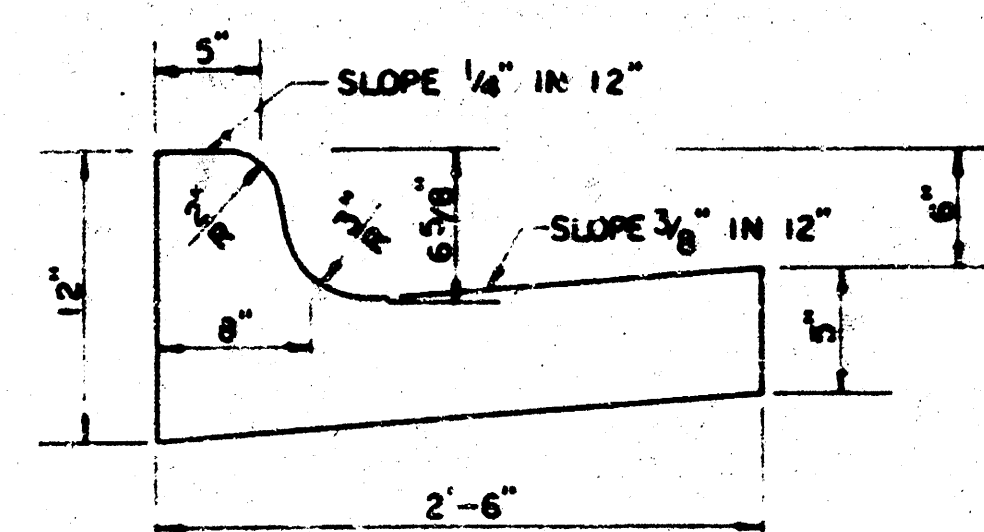


TYPICAL 35' PAVEMENT DETAILS

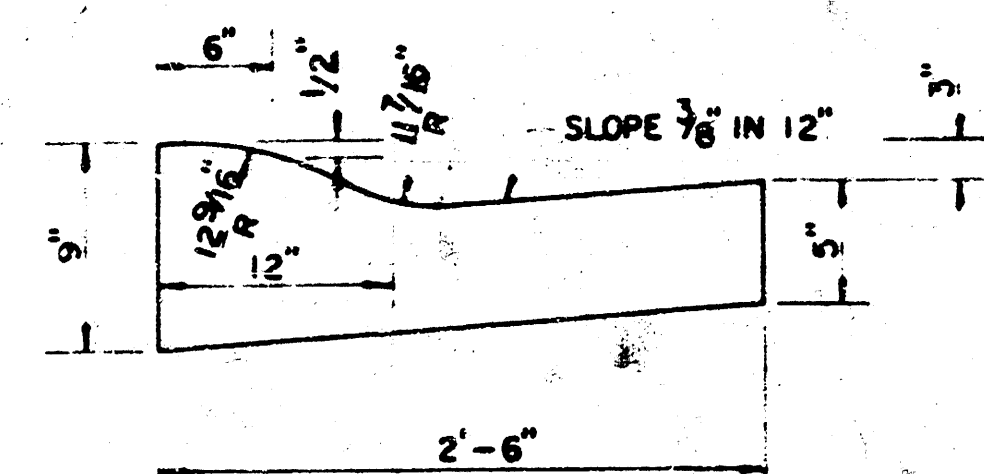
TRANSVERSE SECTION



COMBINED CURB & GUTTER



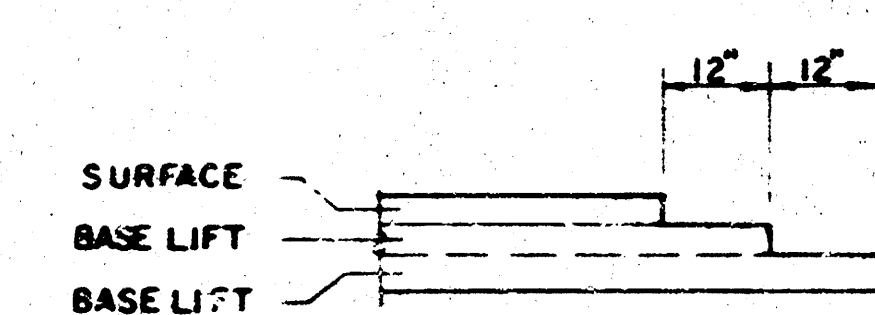
ROLL TYPE COMBINED CURB & GUTTER



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



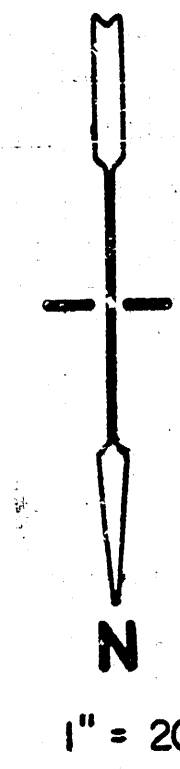
TRANSVERSE CONSTRUCTION JOINTS SHALL BE PLACED IN THE PAVEMENT AT THE EXISTING FLEXIBLE BASE PAVEMENT TO THE RIGHT OF THE EXISTING R/W. THE JOINT SHALL BE PLACED IN THE SUBGRADE FOR EACH YARD OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

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

PROJECT NUMBER

Sheet 3 of 12

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Curve Data Based On $\bar{C}$

R=82.00' A=90°00' L=128.81 LC=115.97' Tan.=82.00' Def./ft.=0.34936°					
CHORD LENGTHS					
Station	Arc.	8' Left of Face	8' Right of Face	Def. $\angle$	Total Def. $\angle$
0+75 PC	—	—	—	00°00'00"	00°00'00"
1+00	25'	17.31'	32.50'	08°44'03"	08°44'03"
1+25	25'	17.31'	32.50'	08°44'03"	17°28'06"
1+50	25'	17.31'	32.50'	08°44'03"	26°12'09"
1+75	25'	17.31'	32.50'	08°44'03"	34°56'12"
2+03.80 PT	28.80'	19.92'	37.38'	10°03'42"	45°00'00"

Curve Data Based On $\bar{C}$

R=82.00' A=90°00' L=128.81 LC=115.97' Tan.=82.00' Def./ft.=0.34936°					
CHORD LENGTHS					
Station	Arc.	8' Left of Face	8' Right of Face	Def. $\angle$	Total Def. $\angle$
3+88.80 PC	—	—	—	00°00'00"	00°00'00"
4+00	11.20'	14.60'	7.78'	03°54'46"	03°54'46"
4+25	25'	32.50'	17.31'	08°44'03"	12°38'49"
4+50	25'	32.50'	17.31'	08°44'03"	21°22'52"
4+75	25'	32.50'	17.31'	08°44'03"	30°06'55"
5+00	25'	32.50'	17.31'	08°44'03"	38°50'58"
5+17.60 PT	17.60'	22.92'	12.21'	06°08'56"	45°00'00"

* NOTE: TRANSITION FROM FULL HEIGHT CURB TO ROLL-TYPE CURB SHALL BE PAID AS ROLL-TYPE CURB.

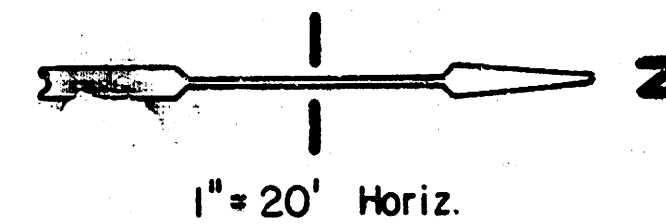
Construct Std. Type 1-A Hookup.

Proposed 18" S.W.S.

5+17.60 PT.

5+50 MATCH LINE

SUNRIDGE
From The S. Line of Lot 12, Blk. "A"
To The N. Line of Lot 6, Blk. "A".
SUNRIDGE ADDITION
Phase I
MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA



Construct 7" Asphaltic Concrete Pavement (5" Bit. Base) with Combined Curb & Gutter. (3 5/8" & 1 1/2")

P.V.I. 100' V.C. Elev. = 163.53

P.V.T.

8+10.60

8+00

8+10.60

8+00

8+10.60

8+00

8+10.60

8+00

8+10.60

8+00

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8+10.60

8+00

8+10.60

8+00

8+10.60

8+00

8+10.60

8+00

Construct 7" Valley Gutter with Monolithic Edge Curb. 5" Reinf. Conc. with 2" Bit. Base.

Construct 7" Asphaltic Concrete Pavement (5" Bit. Base) with Combined Curb & Gutter (6 5/8" & 1 1/2")

INTERSECTION QUANTITIES

246.67 S.Y. 7" Asphaltic Conc. Pavement (5" Bituminous Base)
21.95 S.Y. 2 1/2" Bituminous Base
74.0 L.F. Combined Curb & Gutter
62.83 L.F. Monolithic Edge Curb
391.74 S.Y. Manipulation
114.52 S.Y. V.G. 5" Concrete & 2" Bituminous Base

NOTE: Adjustment of water valves and/or fire hydrants will not be paid for directly, but merged into the price bid for earthwork.

WATER VALVE TABLE

STREET	STATION	DISTANCE FROM RT. LT.	EXIST. ELEV.	PROPOSED ELEV.
SUNRIDGE	0+00	26'	-	165.3
	0+75	26'	-	165.4
	4+80.16	24.87'	-	162.5
	6+95.6	26'	-	163.7
	6+97.6	28'	-	163.7
	8+47.6	24.87'	-	166.4
CORNELISON CIRCLE	8+80.6	26'	-	166.0
	8+82.6	24'	-	166.0
CORNELISON CIRCLE	2+51.17	39.75'	-	165.6

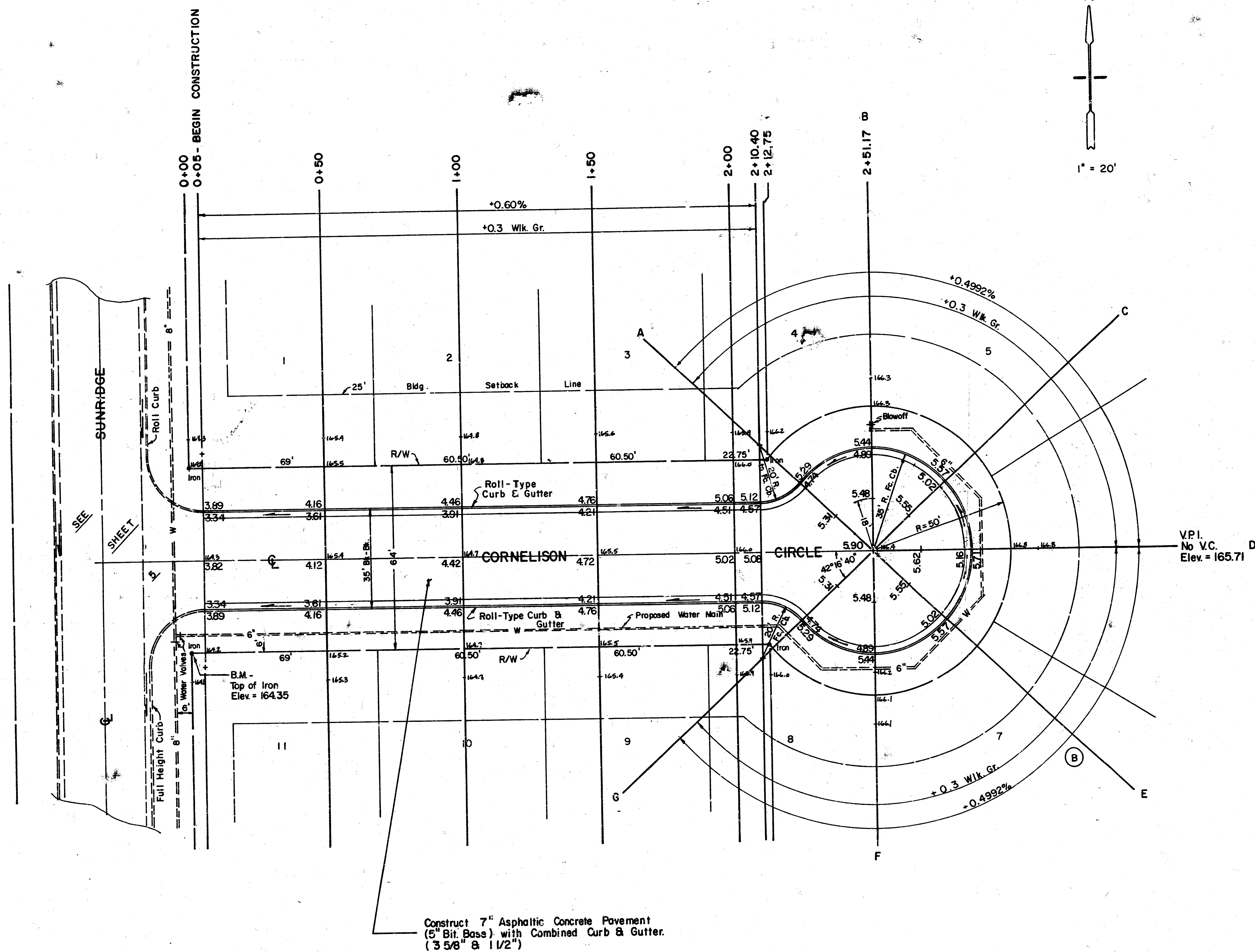
SUNRIDGE

From The North Line of Lot 6, Blk. "A" To The South R/W of 21 ST. ST. North.

SUNRIDGE ADDITION

Phase I

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

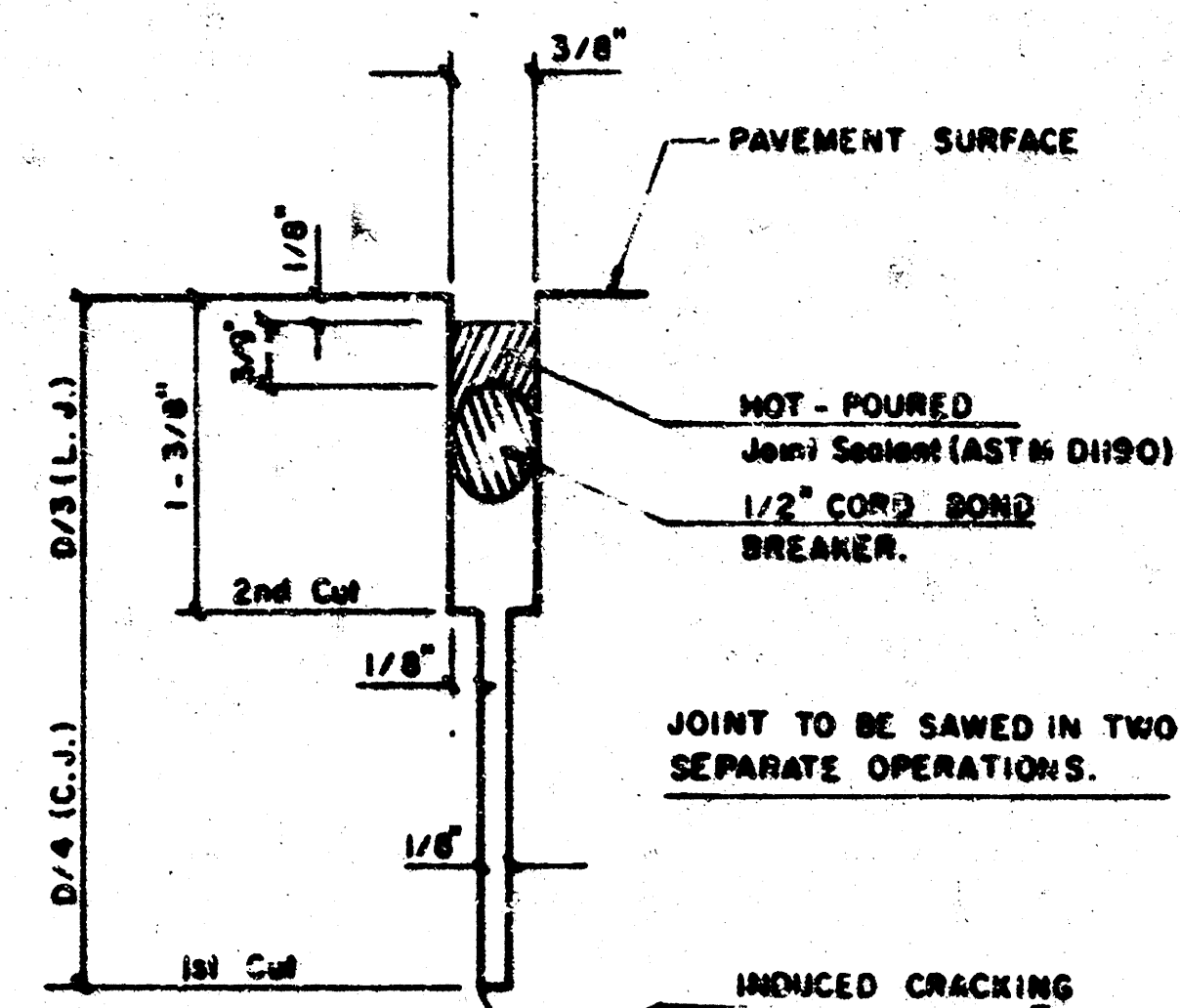


Construct 7" Asphaltic Concrete Pavement
(5" Bit Base) with Combined Curb & Gutter.
(3 5/8" & 1 1/2")

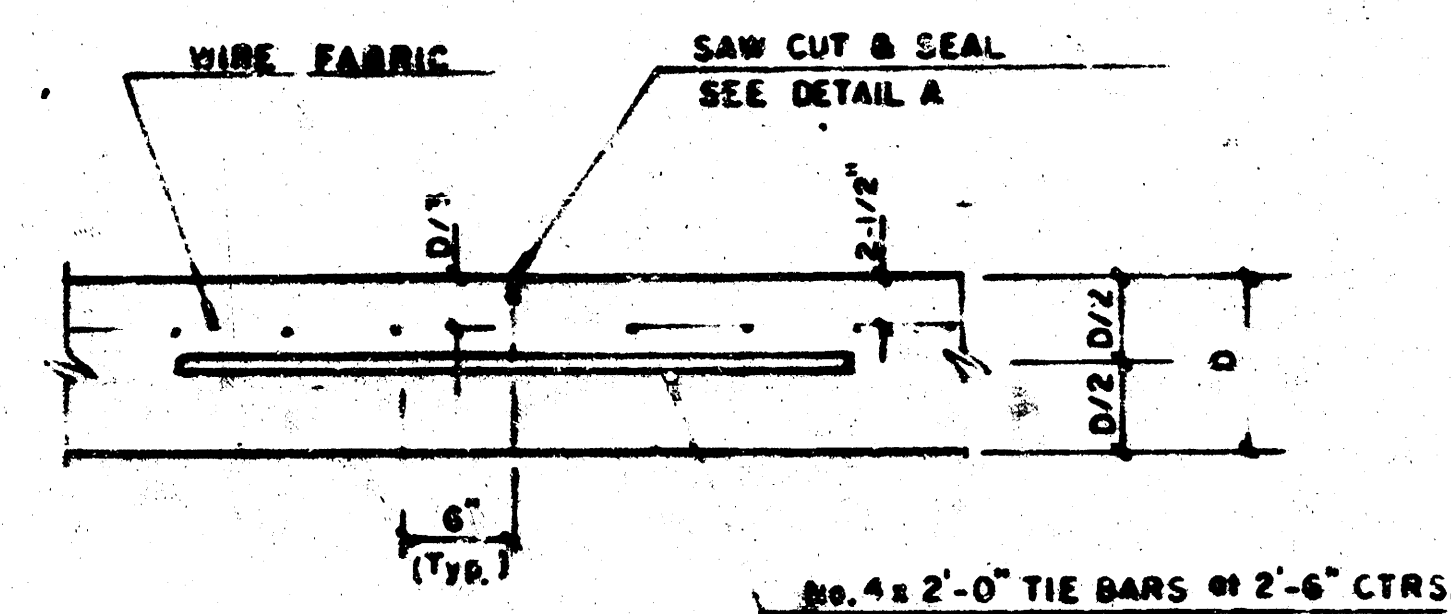
CORNELISON CIRCLE
From The E. Line Sunridge, 301.17' East.
SUNRIDGE ADDITION
Phase I
MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

Sheet 6 of 12

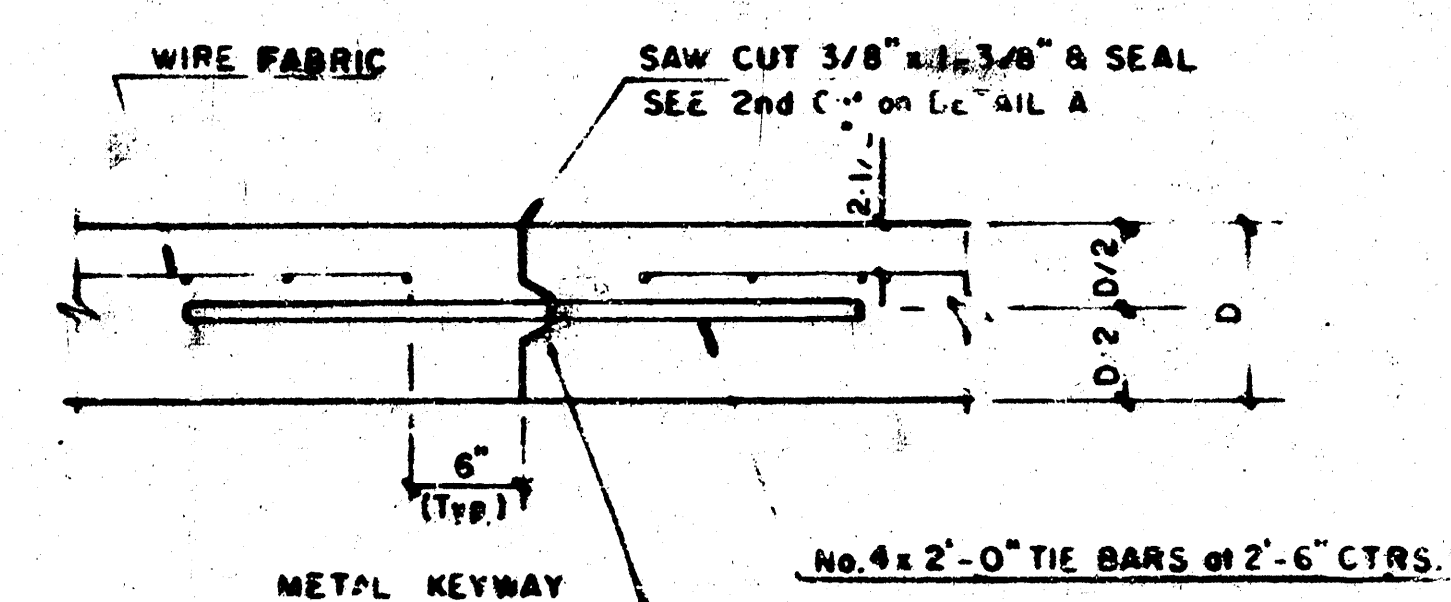
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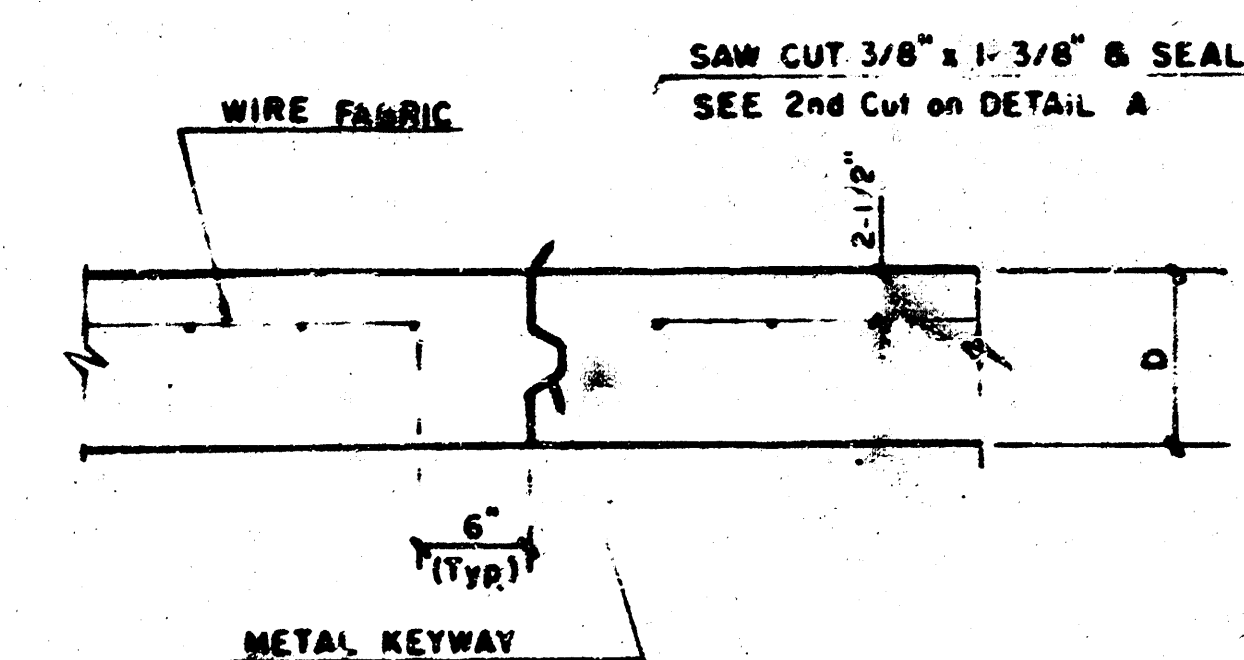
DETAIL A



LONGITUDINAL JOINT DETAIL (L.J.)

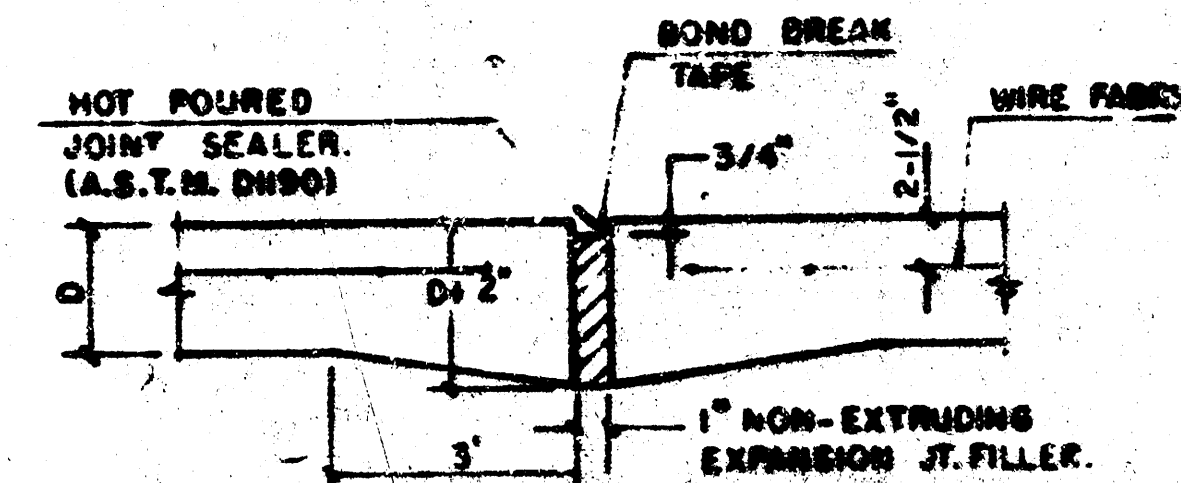


OPTIONAL LONGITUDINAL CONSTRUCTION JOINT (L.J.)
(Alternate L.J.)

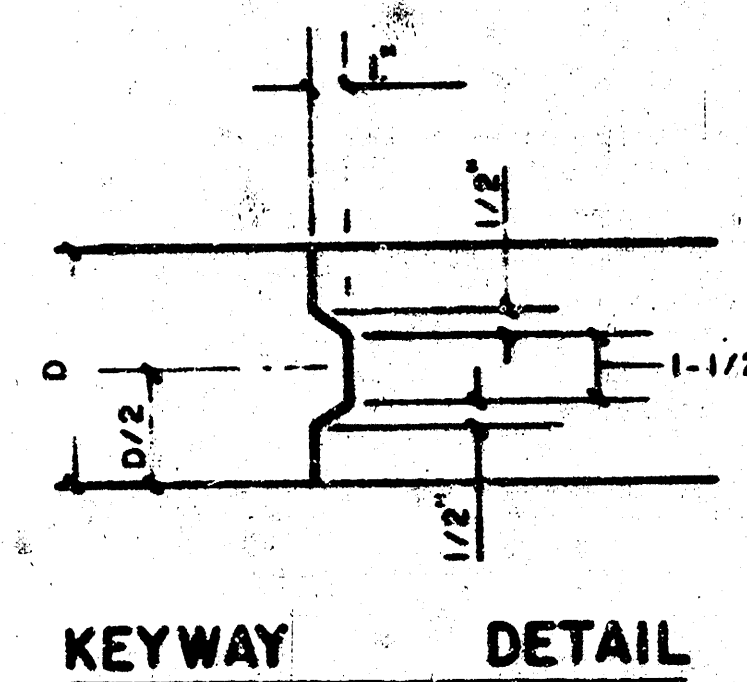


OPTIONAL CONTRACTION CONSTRUCTION JOINT (C.J.)
(Alternate C.J.)

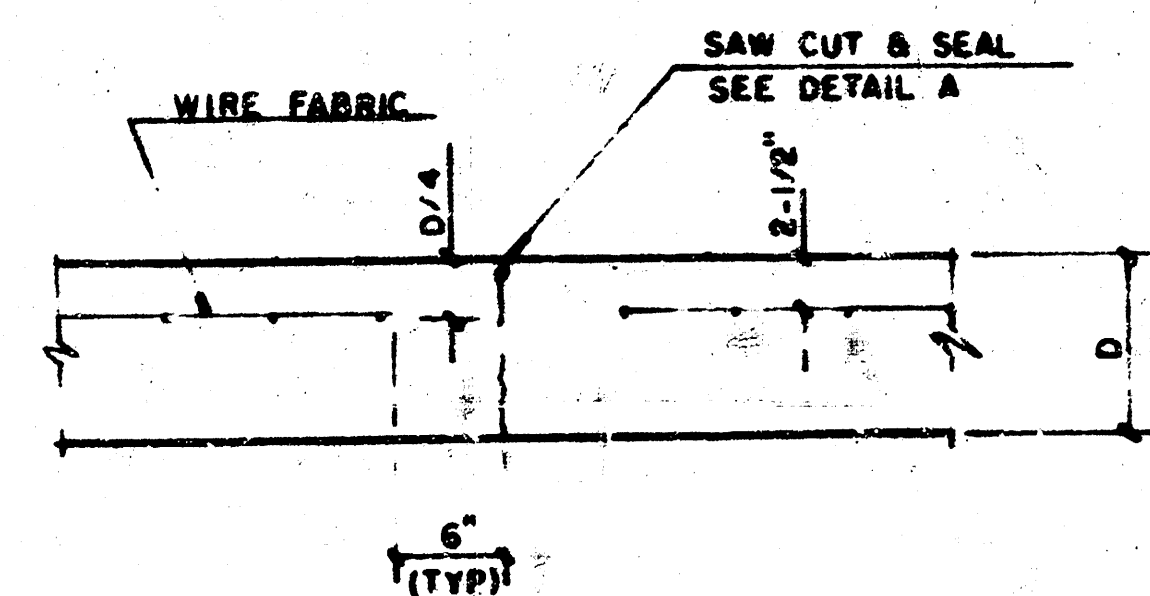
NOTE: ALL CONCRETE VALLEY GUTTER REINFORCEMENT SHALL BE ADEQUATELY SUPPORTED BY BAR CHAIRS IN THE REQUIRED POSITION UNLESS APPROVED OTHERWISE BY THE ENGINEER.



EXPANSION JOINT
NOTE: EXTRA THICKNESS TO BE SUBSIDIARY TO PRICE OF JOINT PAVEMENT.

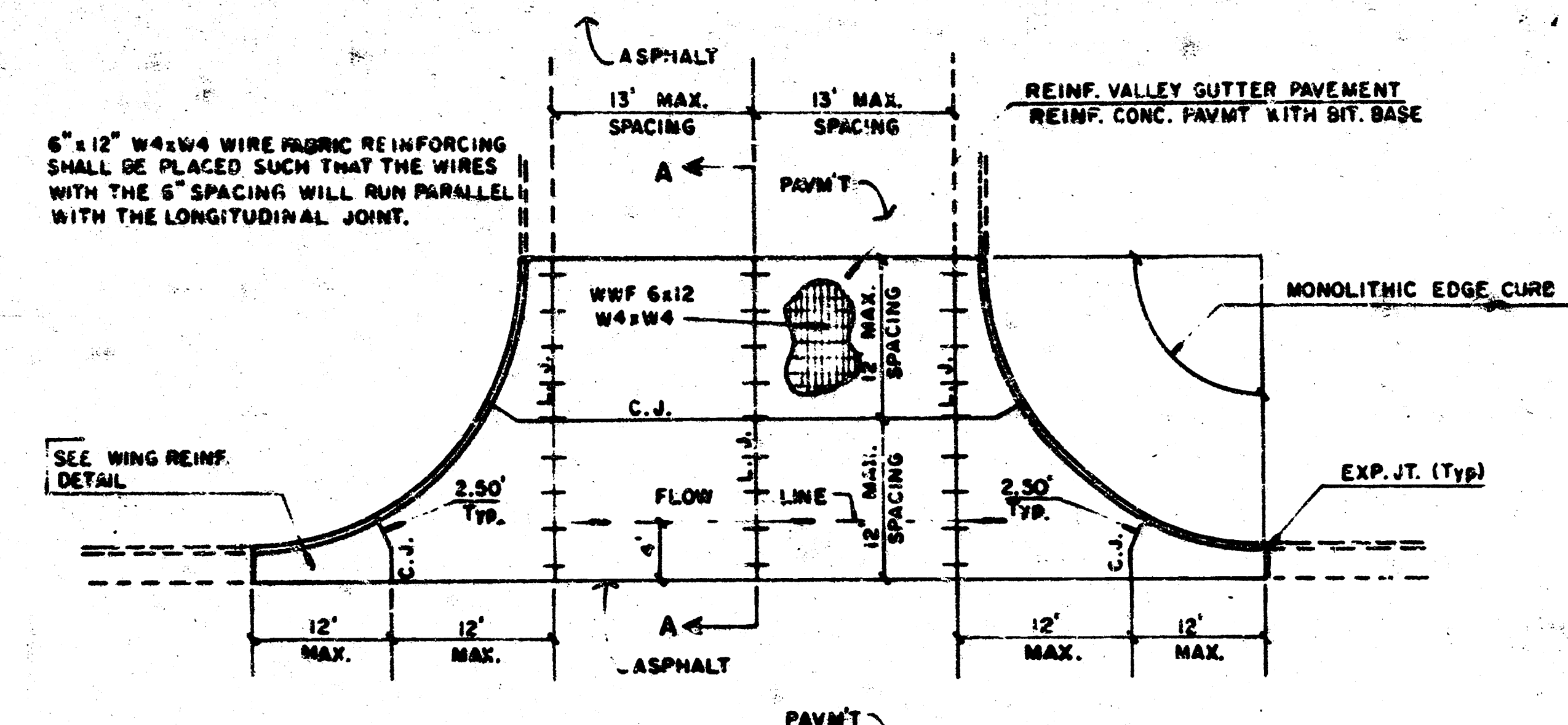


KEYWAY DETAIL

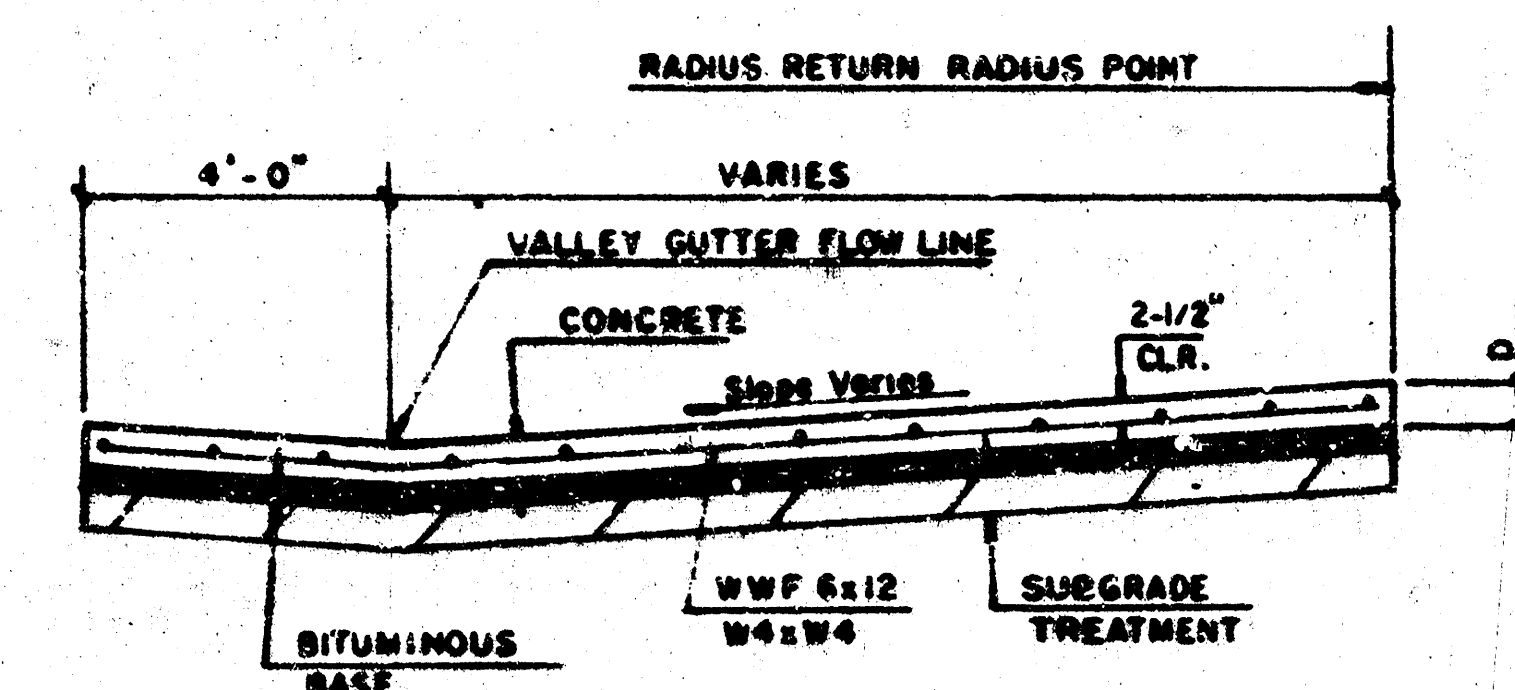


CONTRACTION JOINT DETAIL (C.J.)

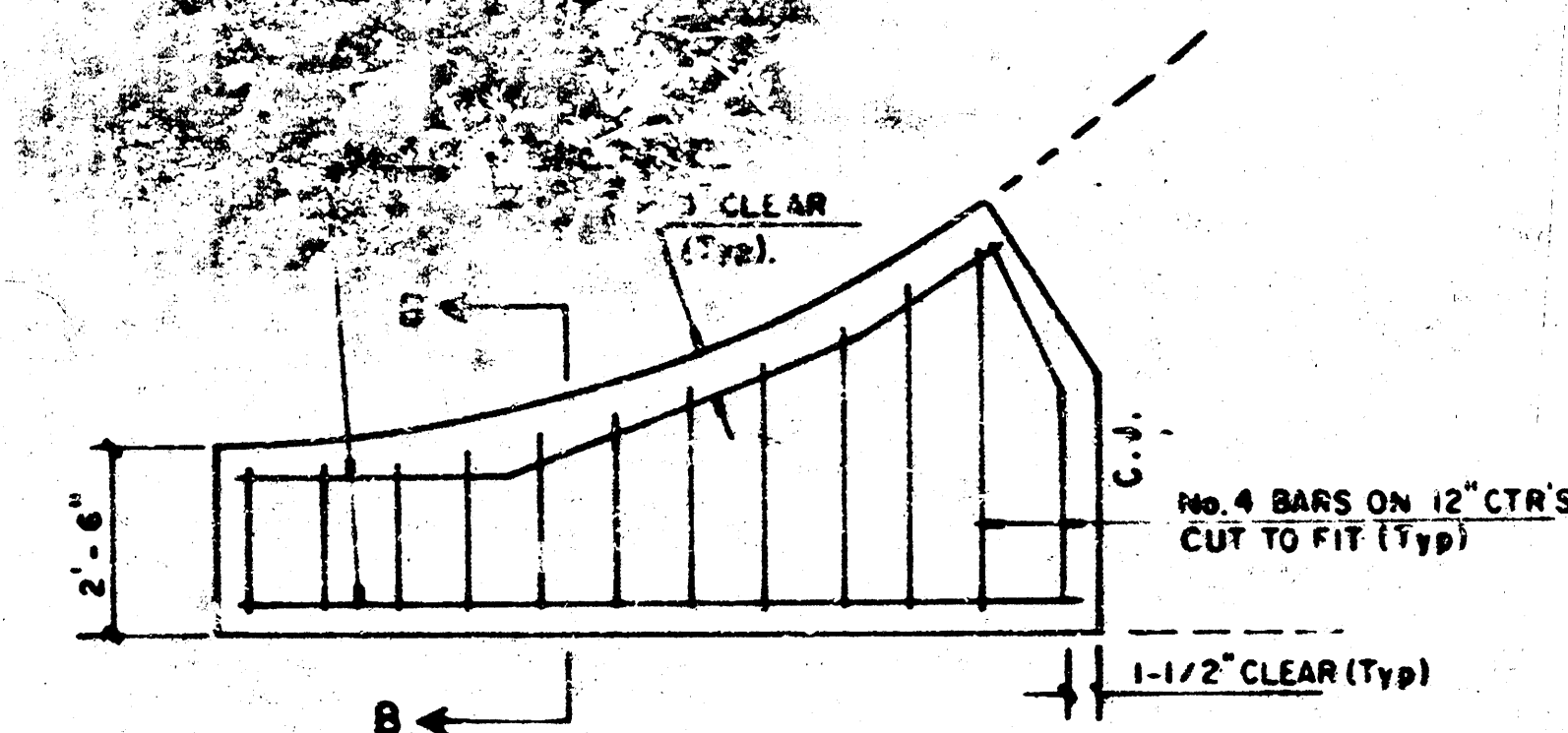
LEGEND
C.J. IDENTIFIES CONTRACTION JOINT
L.J. IDENTIFIES LONGITUDINAL JOINT



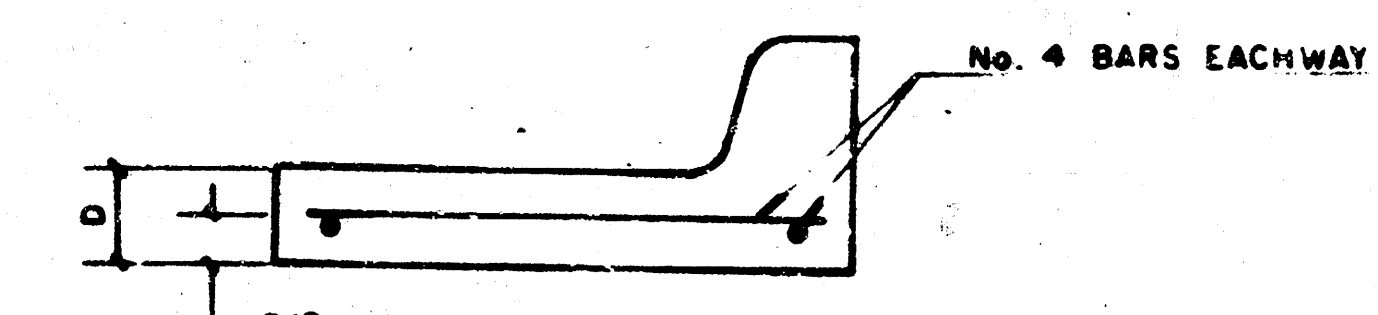
PLAN
REINFORCED VALLEY GUTTER



SECTION A-A

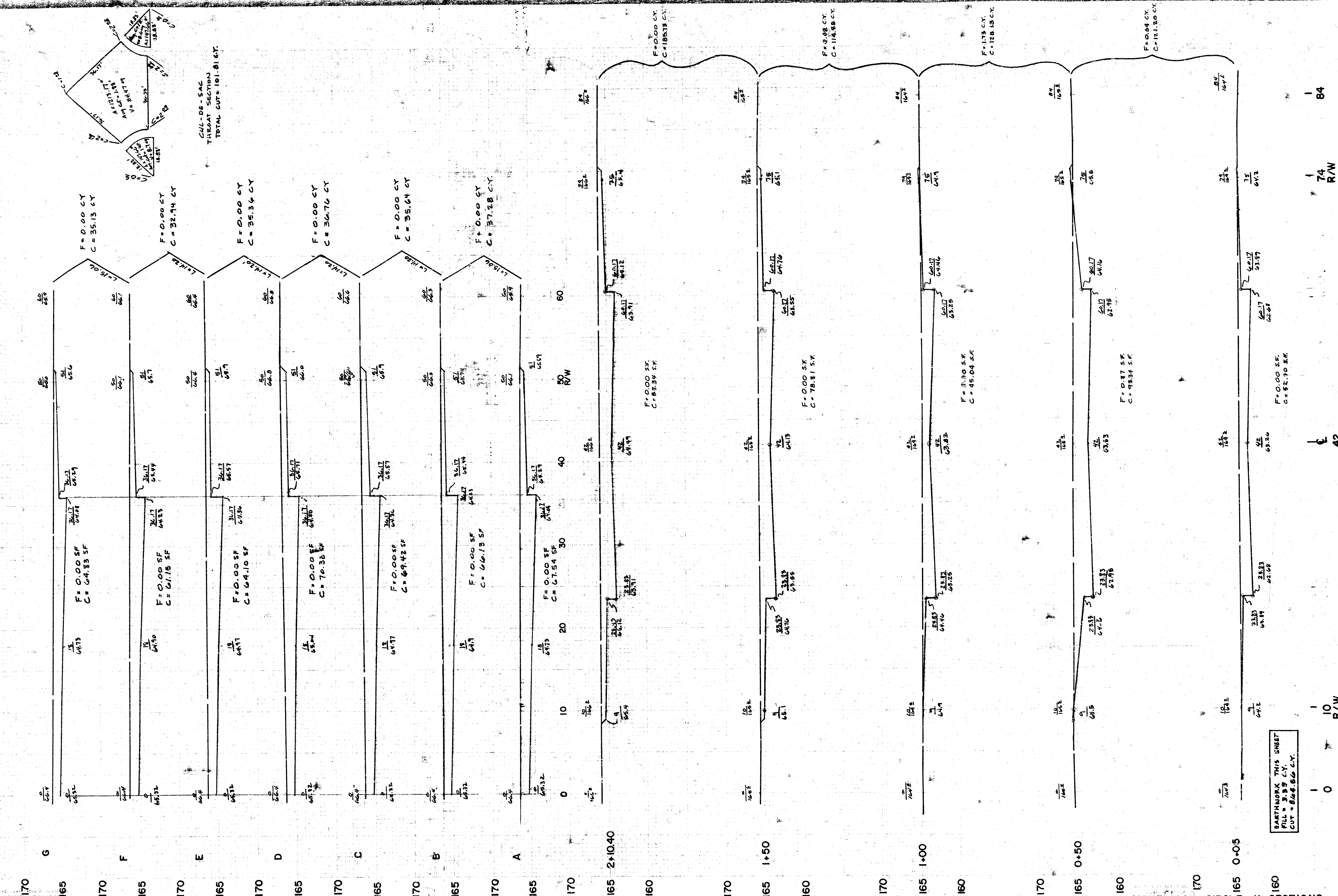


WING REINFORCING DETAIL



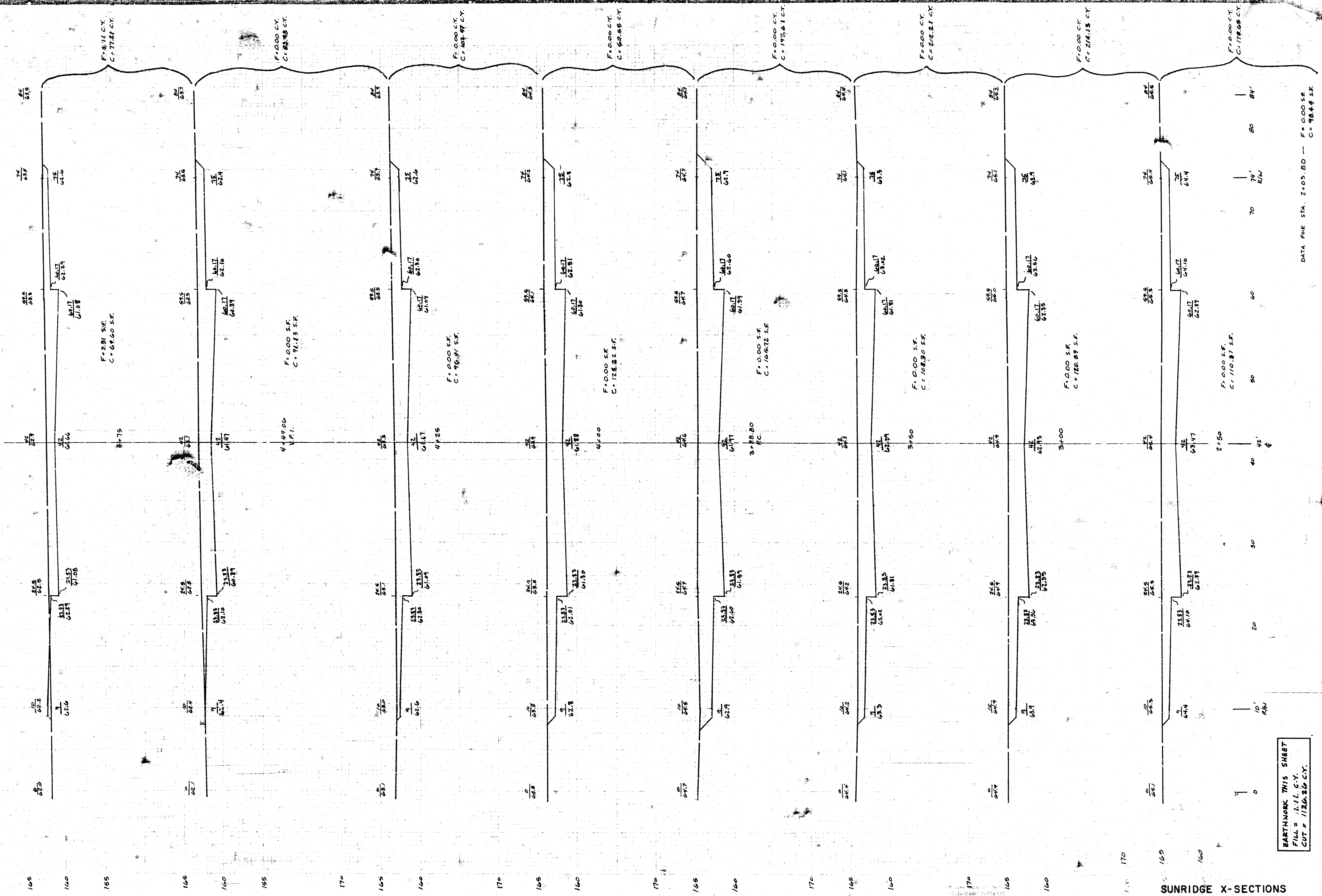
SECTION B-B

PROJECT DESCRIPTION
**VALLEY GUTTER
DETAILS**
PROJECT NUMBER



BATHURST THIS SHEET
FILL = 3.39 CY
CUT = 84.86 CY

0 10 42 74 84
R/W



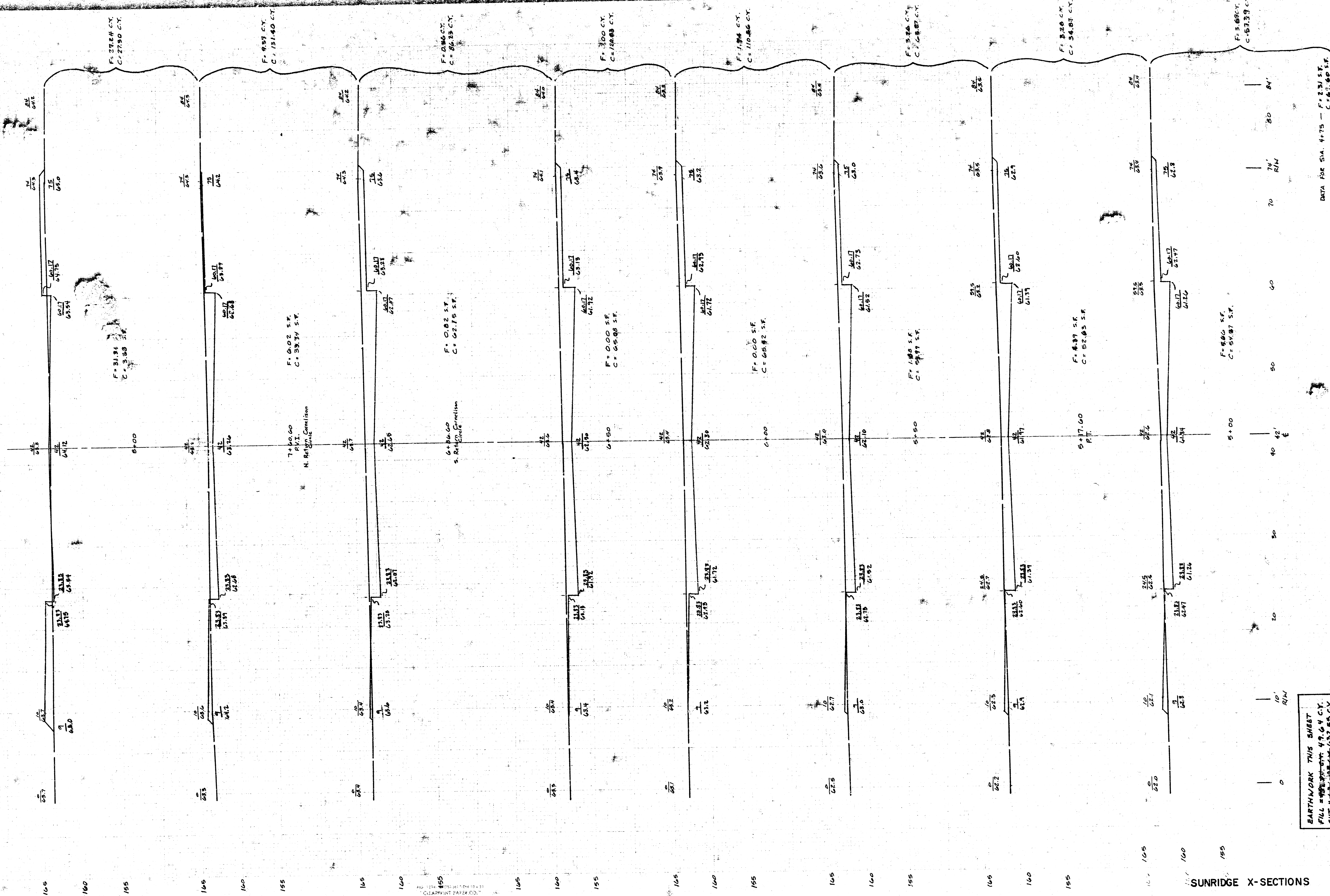
EARTHWORK THIS SHEET
 FILL = 11.12 C.Y.
 CUT = 1120.32 C.Y.

DATA FOR STA. 2+03.80 - F = 0.00 SF
 C = 98.44 SF

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SUNRIDGE X-SECTIONS

Sheet 10 of 12

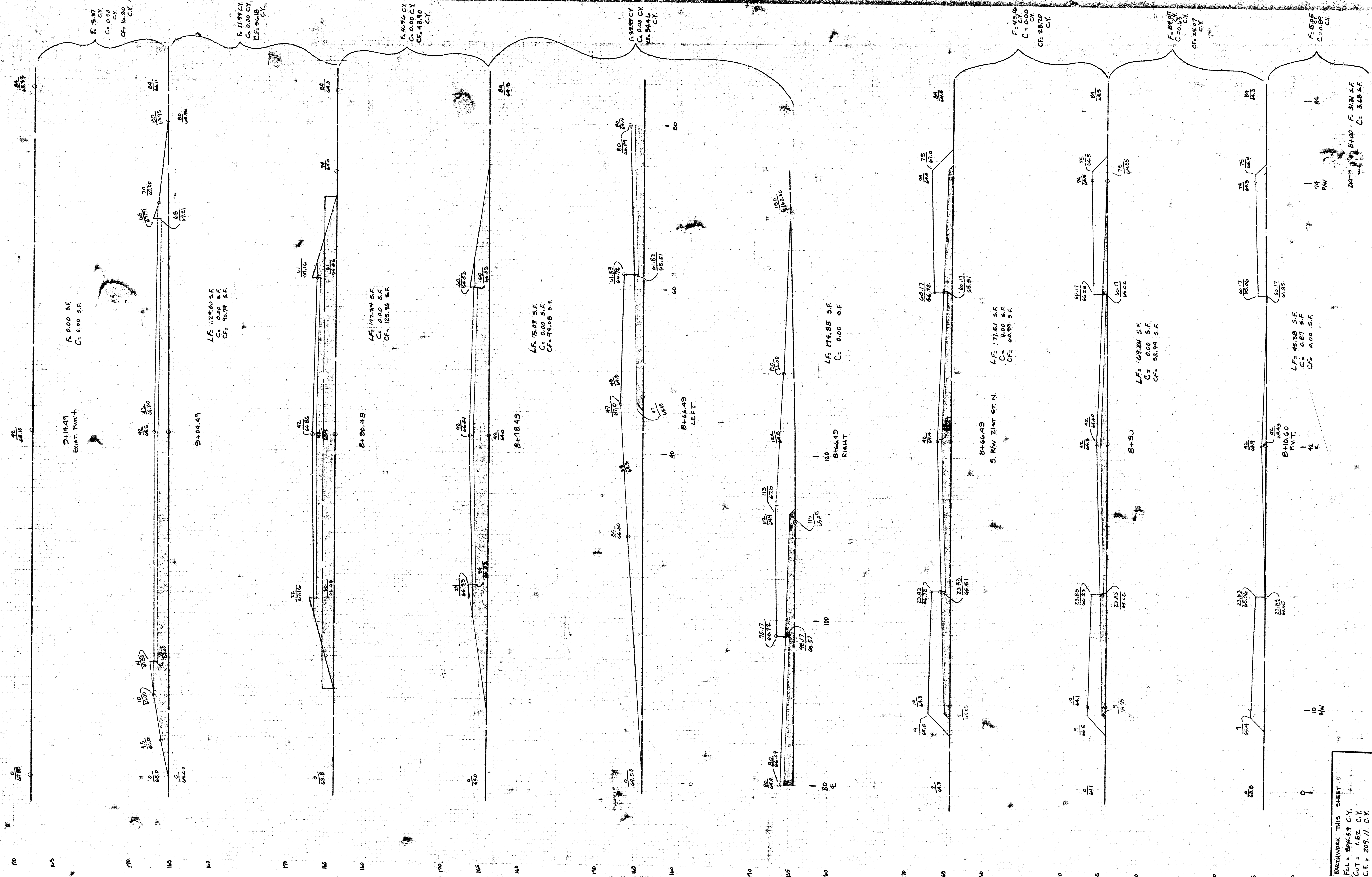


SUNRIDGE X-SECTIONS

Sheet 11 of 12

EARTHWORK THIS SHEET
 FILL = 49.64 CY.
 CUT = 53.55 CY.

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SUNRIDGE X-SECTIONS
Sheet 12 of 12

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REWORK THIS SHEET
FILL = 204.59 CY
CUT = 152 CY
C.F. = 209.11 CY