19th STREET NORTH AND SUNRIDGE

FROM THE WEST LINE OF 119TH STREET WEST TO THE NORTH LINE OF LOT 13, BLOCK A; AND THE NORTH LINE LOT 20, BLOCK B, SUNRIDGE ADDITION.

SUNRIDGE COURT

FROM THE EAST LINE OF SUNRIDGE UP TO AND INCLUDING CUL-DE-SAC SERVING LOTS 20 THROUGH 30 INCLUSIVE, BLOCK B, SUNRIDGE ADDITION

CITY PROJECT NO. 472-76-245-81880-000-000-001
INDEX NO. 760660

CITY OF WICHITA, KANSAS

M.E. LINDEBAK CITY ENGINEER

NOTES:

1. 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
ARKLA GAS COMPANY	942-8350 OR 263-8161
SOUTHWESTERN BELL TELEPHONE COMPANY	1-571-2611
CITY OF WICHITA WATER DEPT.	268-4908
CITY OF WICHITA SEWER MAINTENANCE	268-4071

2. INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA IS NOT TO BE CARRIED THROUGH CONSTRUCTION.

3. 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.

4. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND 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.

   ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS. OF ENGINEER PERMITTING REGULATIONS. ANY MATERIAL BURIED TO STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

5. THIS PROJECT DOES NOT INCLUDE ANY PROVISIONS FOR CONSTRUCTION OF DRIVEWAYS.

6. 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.

7. 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.

8. CONTRACTOR SHALL GIVE THE OWNER OF PROPERTY ABUTTING 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.

9. THE CONTRACTOR SHALL BID BOTH ALTERNATE TYPES OF SUBGRADE TREATMENT. THE TYPE OF TREATMENT TO BE USED SHALL BE AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION.

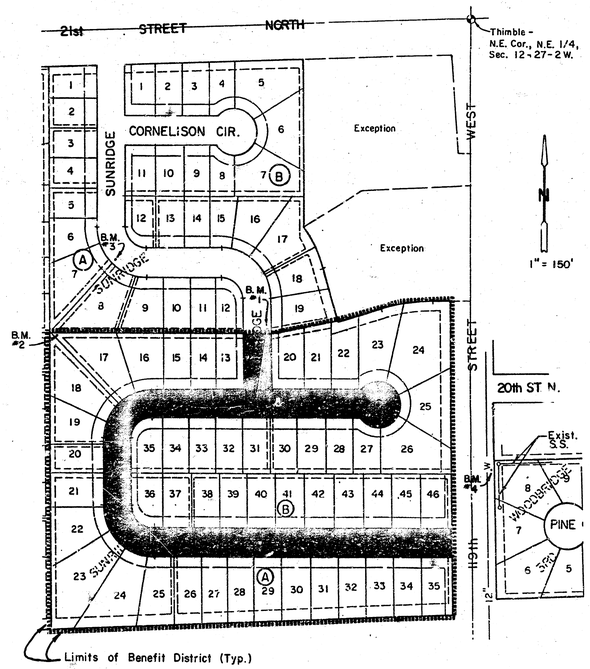
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

11. 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.

12. THE CONTRACTOR SHALL ADJUST WATER VALVE BOXES AS DIRECTED BY THE ENGINEER. THIS WORK TO BE SUBSIDIARY TO OTHER BID ITEMS.

13. INLET HOOKUPS SHALL BE BID PER EACH REGARDLESS OF INLET SIZE.

14. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.



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 = 4,783 C.Y.

INDEX

Sheet No.	Description
1	Cover Sheet
2	Recorded Plat-Sunridge
3	Pavement Standards
4-5	19th Street North Plans
6-7	Sunridge Plans
8	Sunridge Court Plan
9	Valley Gutter Details
10-15	Cross Sections

BENCHMARKS

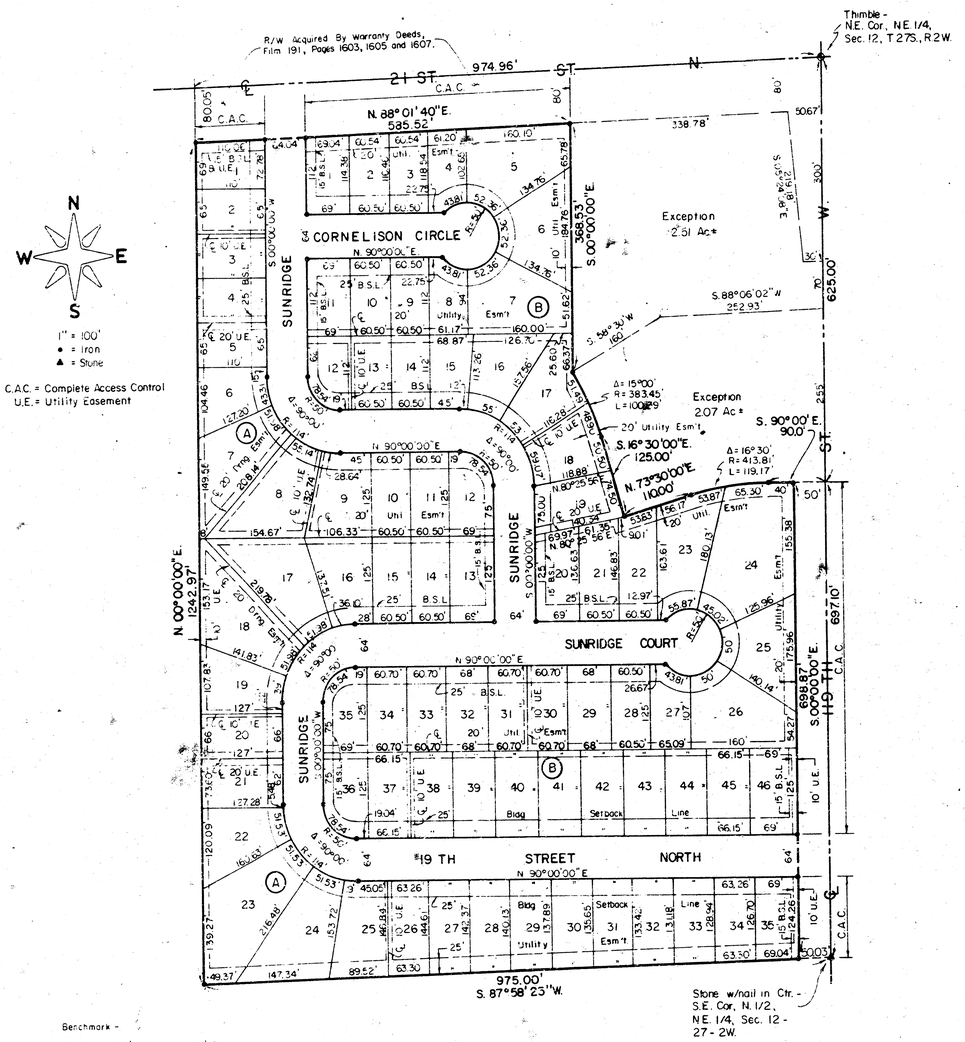
1. Chiseled "□" on top of E. curb Sunridge, opposite S.W. Cor. Lot 19, Blk. "B". Elev. = 165.46 City Datum
2. Chiseled "□" on S.E. Cor. Area Inlet near N.W. Cor. Lot 17, Blk. "A". Elev. = 159.45 City Datum
3. Chiseled "□" on S.E. Cor. curb inlet near N.W. Cor. Lot 8, Blk. "A". Elev. = 162.19 City Datum
4. R.R. Spike in W. face of power pole, E. side 119th St. W. approx. 150' S. of 20th St. N. Elev. = 169.33 City Datum

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

F 1-27

SUNRIDGE

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



Benchmark -

City Disc., 79' South and 46' East of Thimble (NE Cor. Sec. 12).
Elev. = 1359.48 M.S.L.
= 1372.08 City Datum

"□" Cut in Center of South Hubguard of 7 x 3' R.C.B.C. under 21st St. N.
Elev. = 1351.48 M.S.L.
= 1364.08 City Datum

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°58'25" 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 Southeasterly 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 REGISTERED KANSAS LAND SURVEYOR L.S. 936

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 4 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. Northup, Notary Public

My Commission Expires 9-28-91

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

Marvin 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 _____ day of _____, 1988.

Sheldon Kamen, Mayor

Dale 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. # 187185

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 16 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

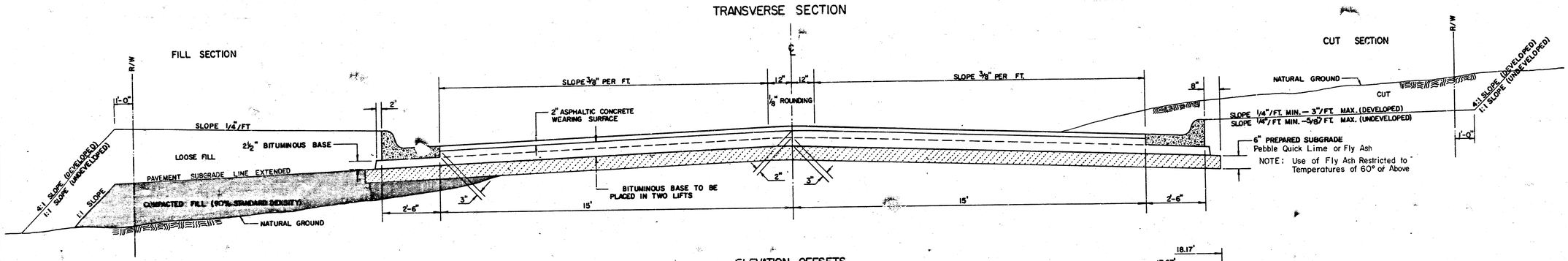
My Commission Expires June 28, 1992

Janice C. Bray NOTARY PUBLIC State of Kansas My Appt. Expires 6-28-92

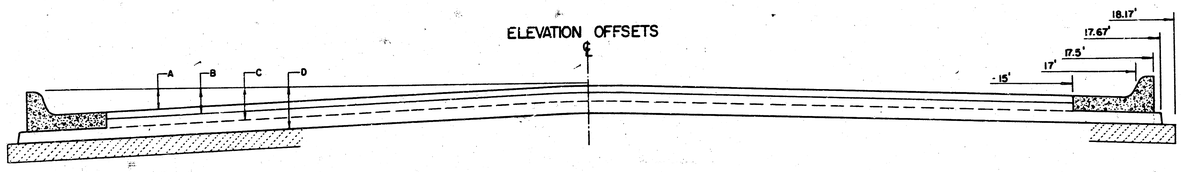
F 1-27 E-211

TYPICAL 35' PAVEMENT DETAILS

TRANSVERSE SECTION

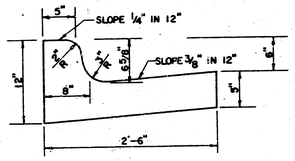


ELEVATION OFFSETS

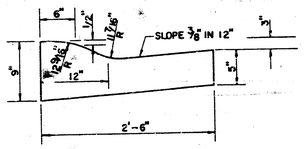


	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.37	0.43	0.50	0.57	0.67	0.72	0.79	0.87	0.90	0.98	1.00	1.00	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.62	0.67	0.74	0.81	0.90	0.95	1.02	1.08	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.

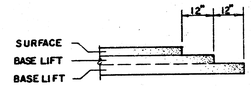
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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

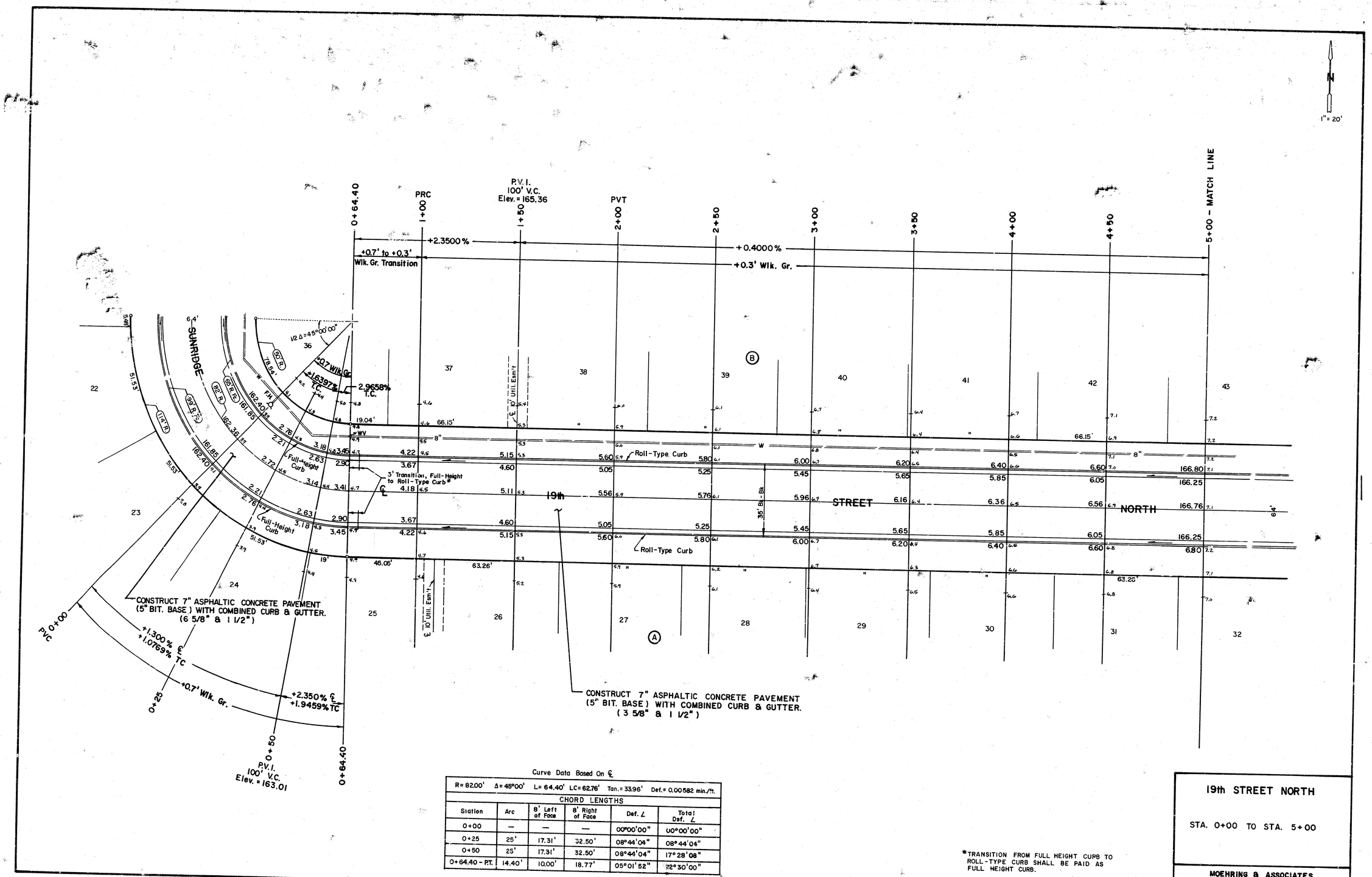


TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS, 7" ASPHALTIC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

7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER



Curve Data Based On ℄

R = 82.00' Δ = 45°00' L = 64.40' LC = 62.76' Tan. = 33.96' Def. = 0.00582 min./ft.

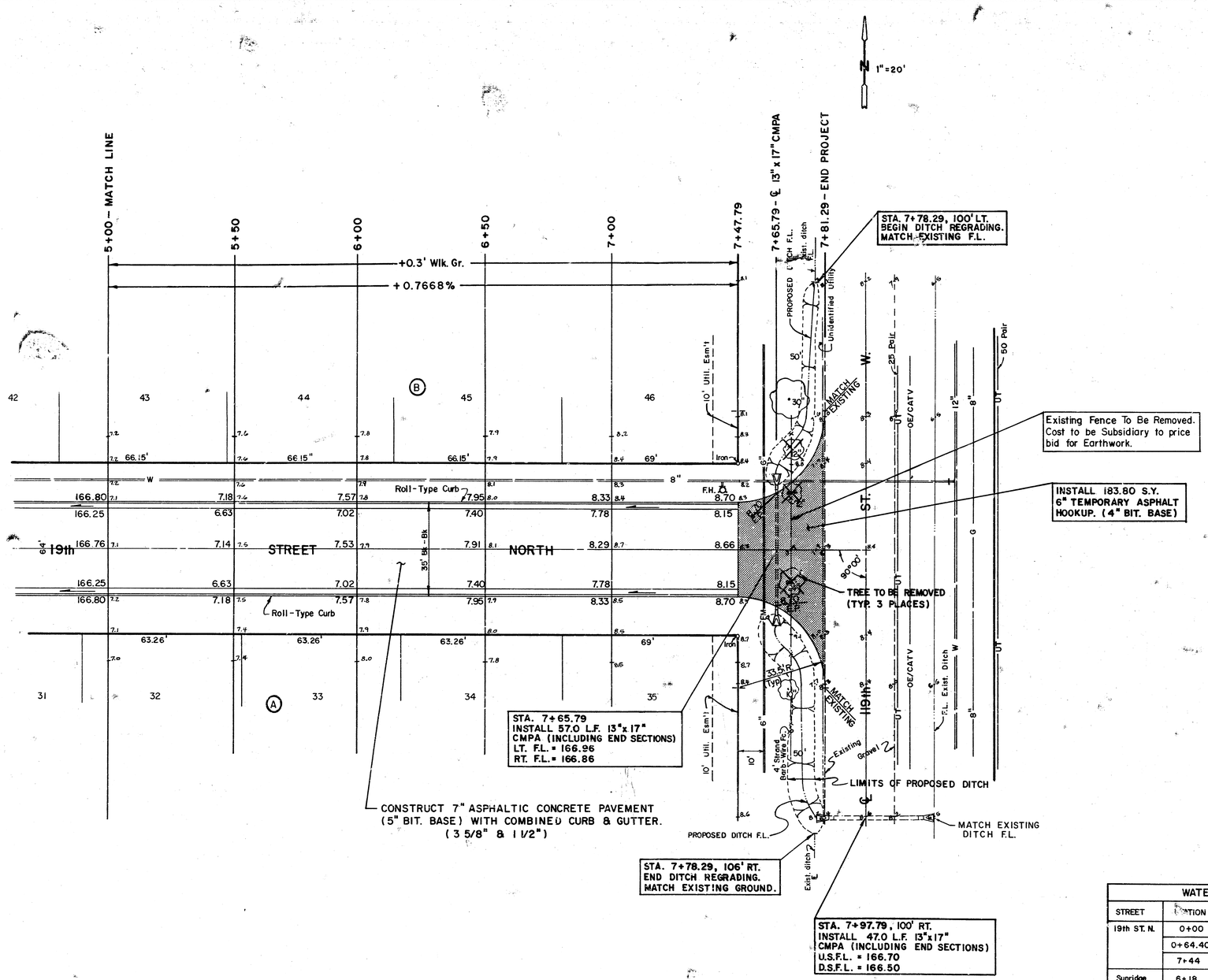
Station	Arc	CHORD LENGTHS 8' Left of Face	8' Right of Face	Def. ∠	Total Def. ∠
0+00	—	—	—	00°00'00"	00°00'00"
0+25	25'	17.31'	32.50'	08°44'04"	08°44'04"
0+50	25'	17.31'	32.50'	08°44'04"	17°28'08"
0+64.40 - P.T.	14.40'	10.00'	18.77'	05°01'52"	22°30'00"

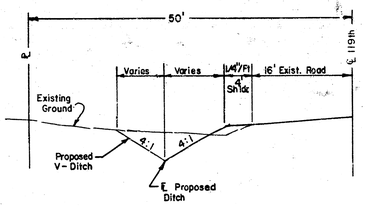
*TRANSITION FROM FULL HEIGHT CURB TO ROLL-TYPE CURB SHALL BE PAID AS FULL HEIGHT CURB.

19th STREET NORTH

STA. 0+00 TO STA. 5+00

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA





TYPICAL DITCH SECTION

Earthwork Associated with Ditch Regrading : Cut = 47.4 C.Y.
Fill = 16.8 C.Y.

WATER VALVE TABLE					
STREET	LOCATION	DISTANCE FROM ℄ RT.	DISTANCE FROM ℄ LT.	EXIST. ELEV.	PROPOSED ELEV.
19th ST. N.	0+00	—	24.87'	—	162.8
	0+64.40	—	26'	—	163.8
	7+44	—	24.87'	—	168.8
Sunridge	6+18	26'	—	—	165.6
	0+05 (N-S)	24.87'	—	—	165.5
Sunridge Court	2+41.39	—	39.75'	—	167.5

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

19th STREET NORTH

STA. 5+00 TO STA. 7+81.29

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

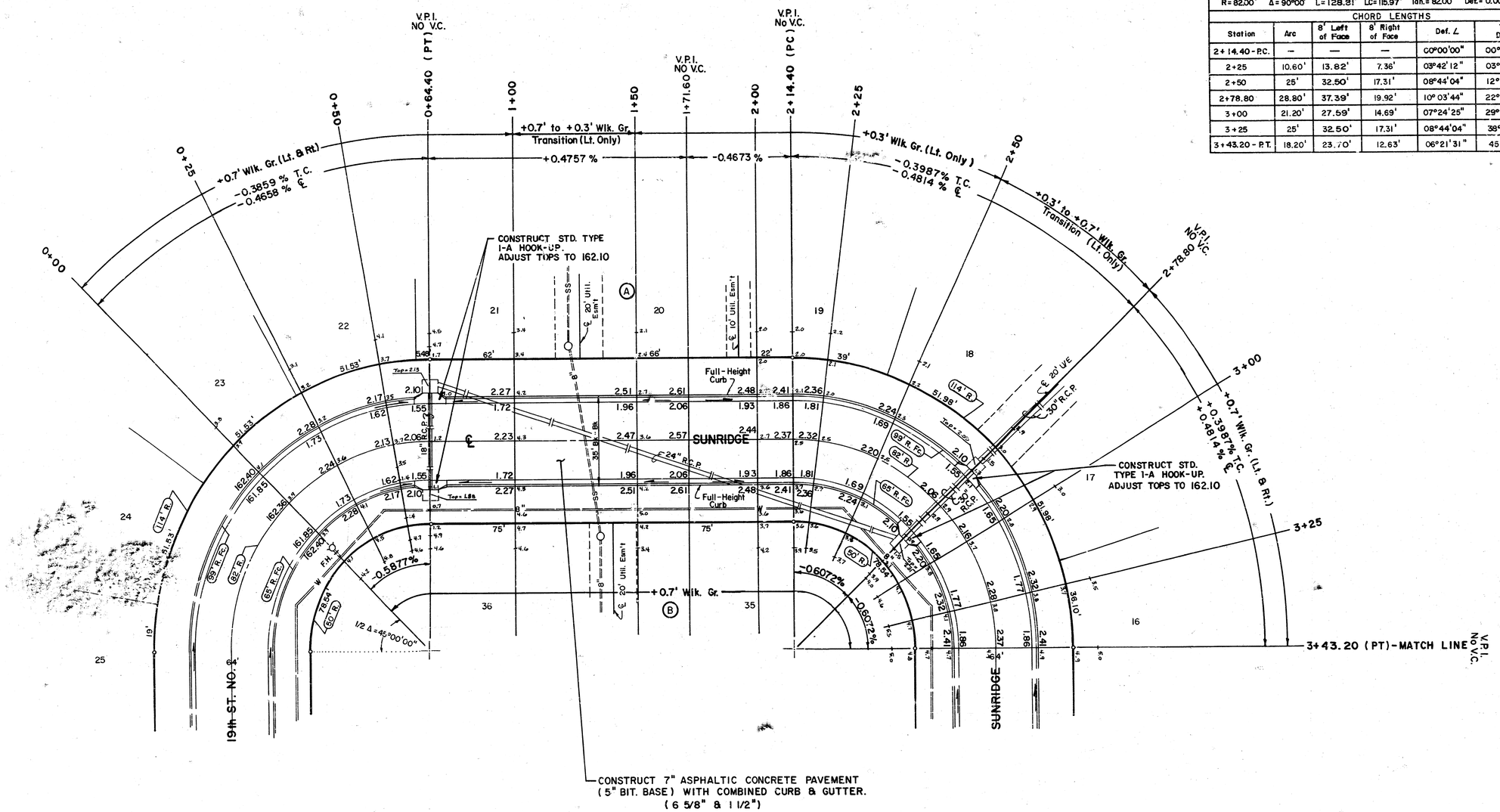
1" = 20'

Curve Data Based On ℄

R=82.00'	Δ=90°00'	L=128.81'	LC=115.97'	Tan.=82.00'	Def.=0.00582 min./ft.

CHORD LENGTHS

Station	Arc	8' Left of Face	8' Right of Face	Def. ∠	Total Def. ∠
2+14.40 - P.C.	—	—	—	00°00'00"	00°00'00"
2+25	10.60'	13.82'	7.36'	03°42'12"	03°42'12"
2+50	25'	32.50'	17.31'	08°44'04"	12°26'16"
2+78.80	28.80'	37.39'	19.92'	10°03'44"	22°30'00"
3+00	21.20'	27.59'	14.69'	07°24'25"	29°54'25"
3+25	25'	32.50'	17.31'	08°44'04"	38°38'29"
3+43.20 - P.T.	18.20'	23.70'	12.63'	06°21'31"	45°00'00"



Curve Data Based On ℄

R=82.00'	Δ=45°00'	L=64.40'	LC=62.76'	Tan.=33.96'	Defl./ft.=0.34936°

CHORD LENGTHS

Station	Arc	8' Left of Face	8' Right of Face	Defl. ∠	Total Defl. ∠
0+00	—	—	—	00°00'00"	00°00'00"
0+25	25'	17.31'	32.50'	08°44'03"	08°44'03"
0+50	25'	17.31'	32.50'	08°44'03"	17°28'06"
0+64.40 - P.T.	14.40'	10.00'	18.77'	05°01'54"	22°30'00"

SUNRIDGE

STA. 0+00 TO STA. 3+43.20

MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA

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

N
1" = 20'

V.P.I. NO V.C.
3+43.20 – MATCH LINE
3+50
4+00
4+50
5+00
V.P.I. NO V.C.
5+50
5+56.20
V.P.I. NO V.C.
6+30.20
= 0+05, Sunridge Court

+0.7' Wlk. Gr.
+1.2166 %
+0.7' to +0.5' Wlk. Gr. Transition
+0.5362 %

SUNRIDGE
SUNRIDGE CT.
5+61.20
5+93.20
6+25.20
R=20' to F.C.
A.F.H.
Roll-Type Curb
Full-Height Curb
6.8' Transition, Full-Height to Roll-Type Curb*
℄
35' Bk-Bk
8"
W
WV
6"
60.50'
60.70'
28'
69'
68'
℄ 10' Util. Esm't

CONSTRUCT 7" ASPHALTIC CONCRETE PAVEMENT (5" BIT. BASE) WITH COMBINED CURB & GUTTER. (3 5/8" & 1 1/2")

CONSTRUCT 7" VALLEY GUTTER WITH MONOLITHIC EDGE CURB. 5" REINF. CONC. WITH 2" BIT. BASE

IDENTICAL POINTS

1" = 20'

0+05
0+50
1+00
1+25
+0.3' Wlk. Gr.
+0.3583 %
+0.3417 %
SUNRIDGE
SUNRIDGE CT.
30°00'
℄ 20' Util. Esm't
MATCH EXISTING ROLL-TYPE CURB
165.46 TC
165.24 FL
165.28 HE
165.70
165.26 HE
165.22 FL
165.42 TC
Existing Pavement
125'

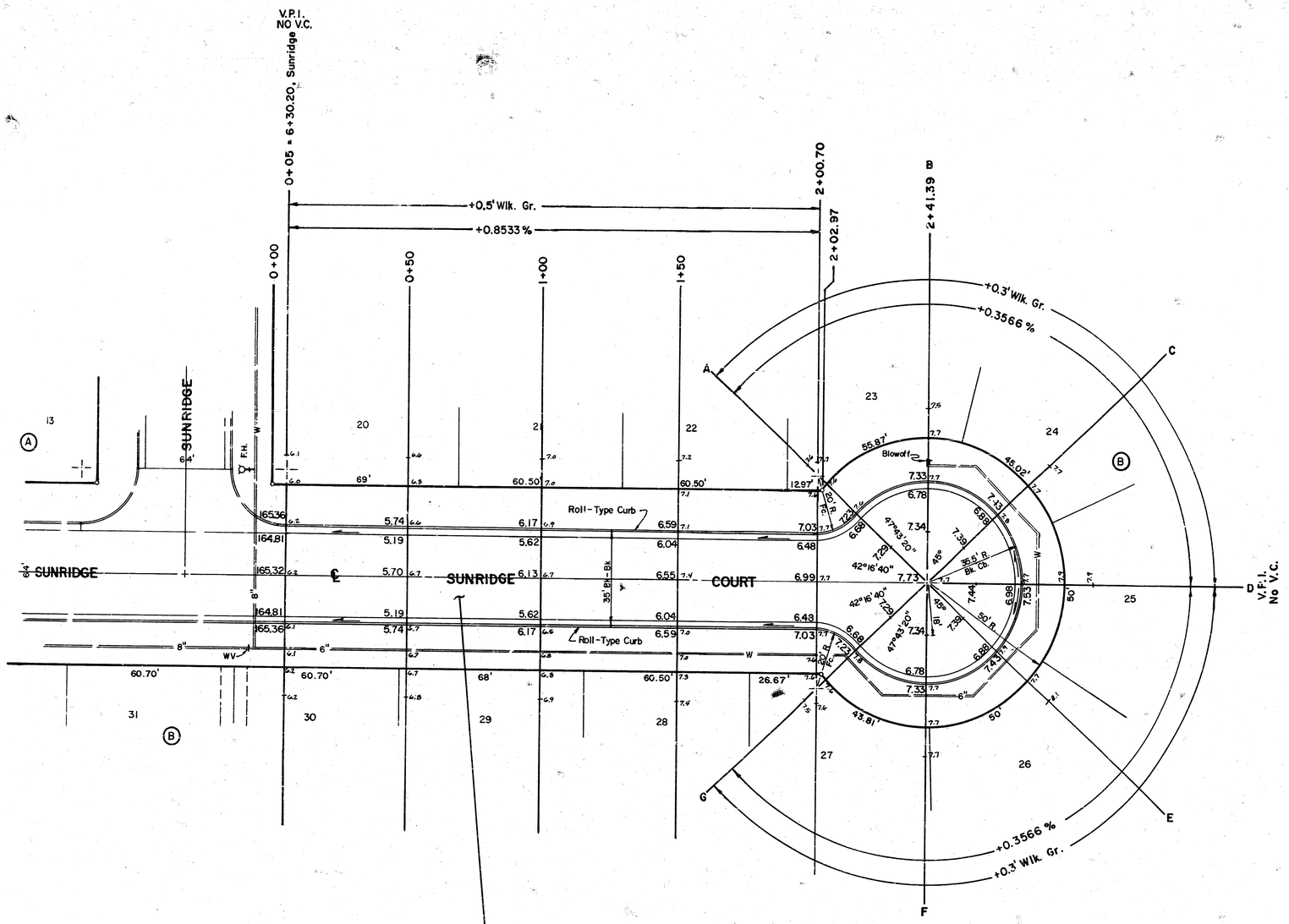
CONSTRUCT 7" ASPHALTIC CONCRETE PAVEMENT (5" BIT. BASE) WITH COMBINED CURB & GUTTER. (3 5/8" & 1 1/2")

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

SUNRIDGE

STA. 3+43.20 TO STA. 7+50.20

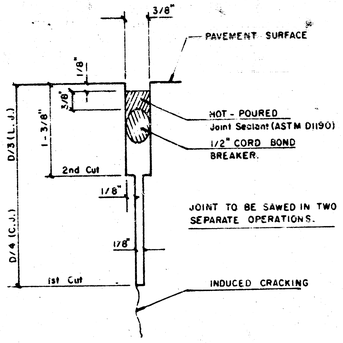
MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA



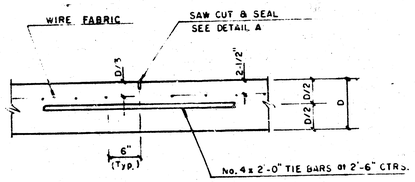
SUNRIDGE COURT

From E.L. Sunridge to 291.39' East

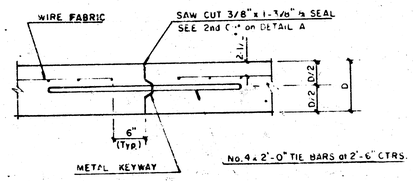
MOEHRING & ASSOCIATES
CONSULTING ENGINEERS
WICHITA



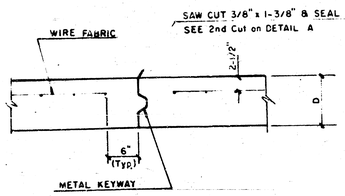
DETAIL A



LONGITUDINAL JOINT DETAIL (L.J.)

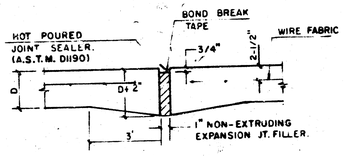


OPTIONAL LONGITUDINAL CONSTRUCTION JOINT (L.J.)
(Alternate L.J.)



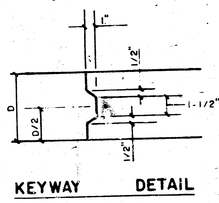
OPTIONAL CONTRACTION CONSTRUCTION JOINT (C.J.)
(Alternate C.J.)

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

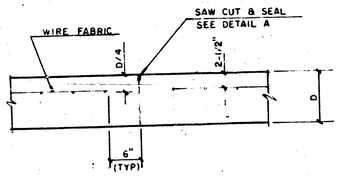


EXPANSION JOINT

NOTE: EXTRA THICKNESS TO BE SUBSIDIARY TO PRICE OF SQ YDS PAVEMENT.



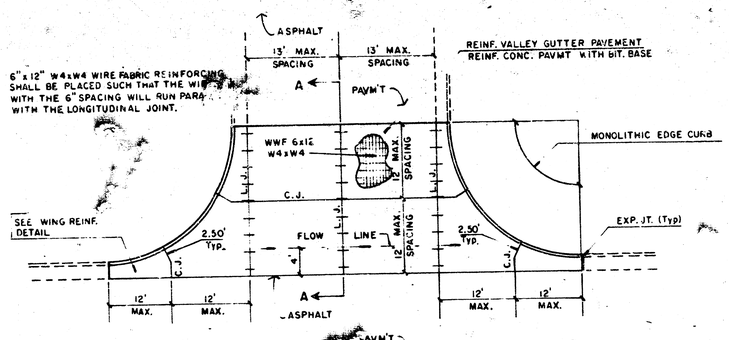
KEYWAY DETAIL



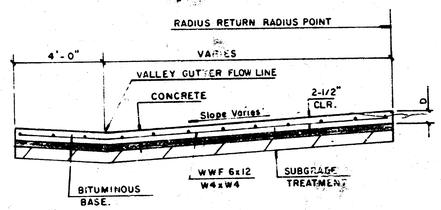
CONTRACTION JOINT DETAIL (C.J.)

LEGEND

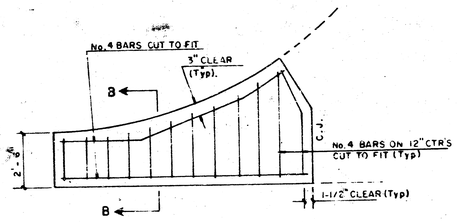
C.J. IDENTIFIES CONTRACTION JOINT
L.J. IDENTIFIES LONGITUDINAL JOINT



REINFORCED VALLEY GUTTER

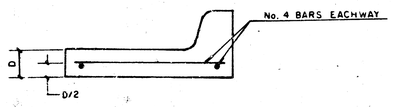


SECTION A-A



WING REINFORCING DETAIL

NOTE: OMIT WIRE FABRIC REINFORCING IN THIS SECTION.



SECTION B-B

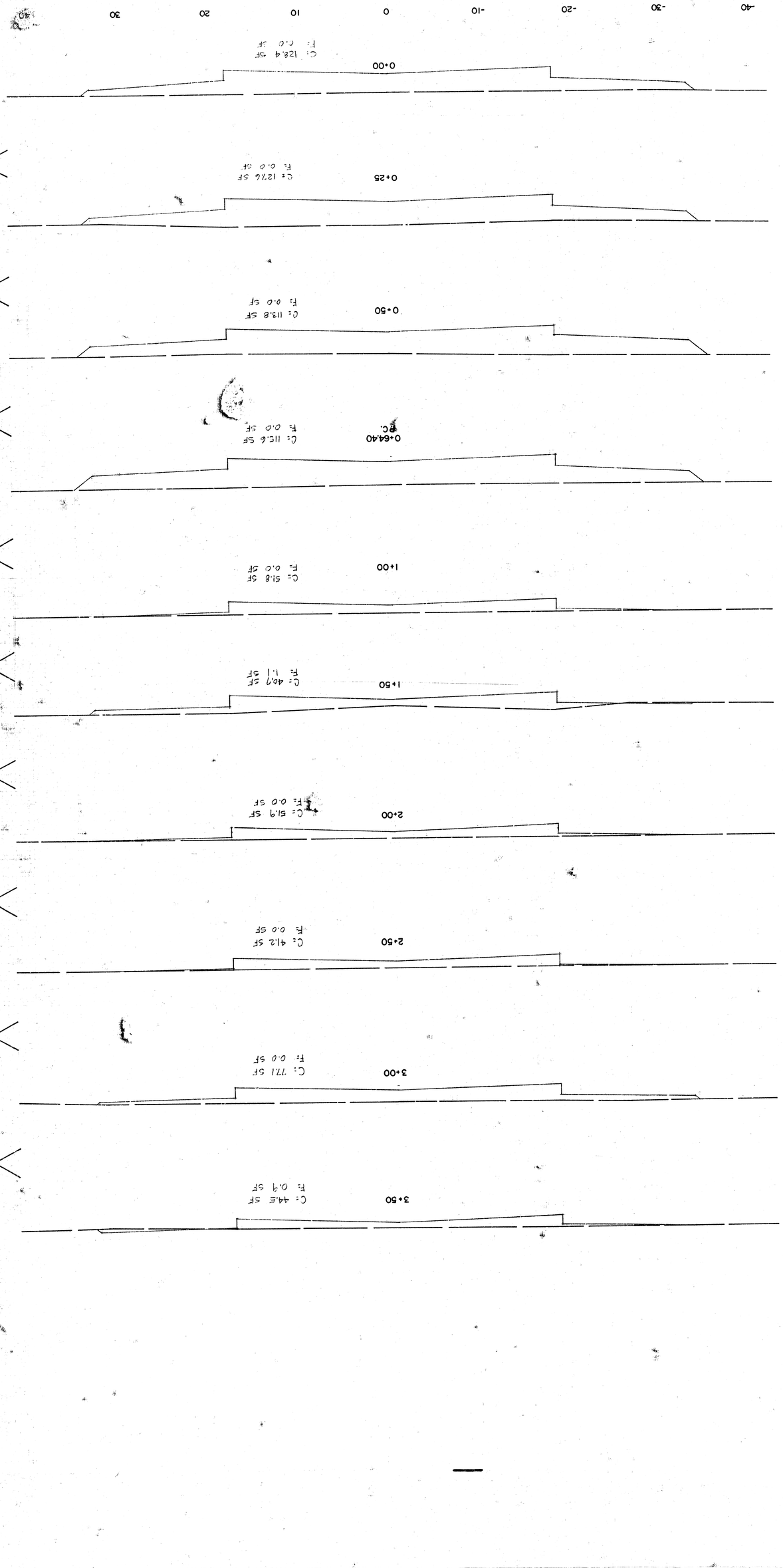
PROJECT DESCRIPTION

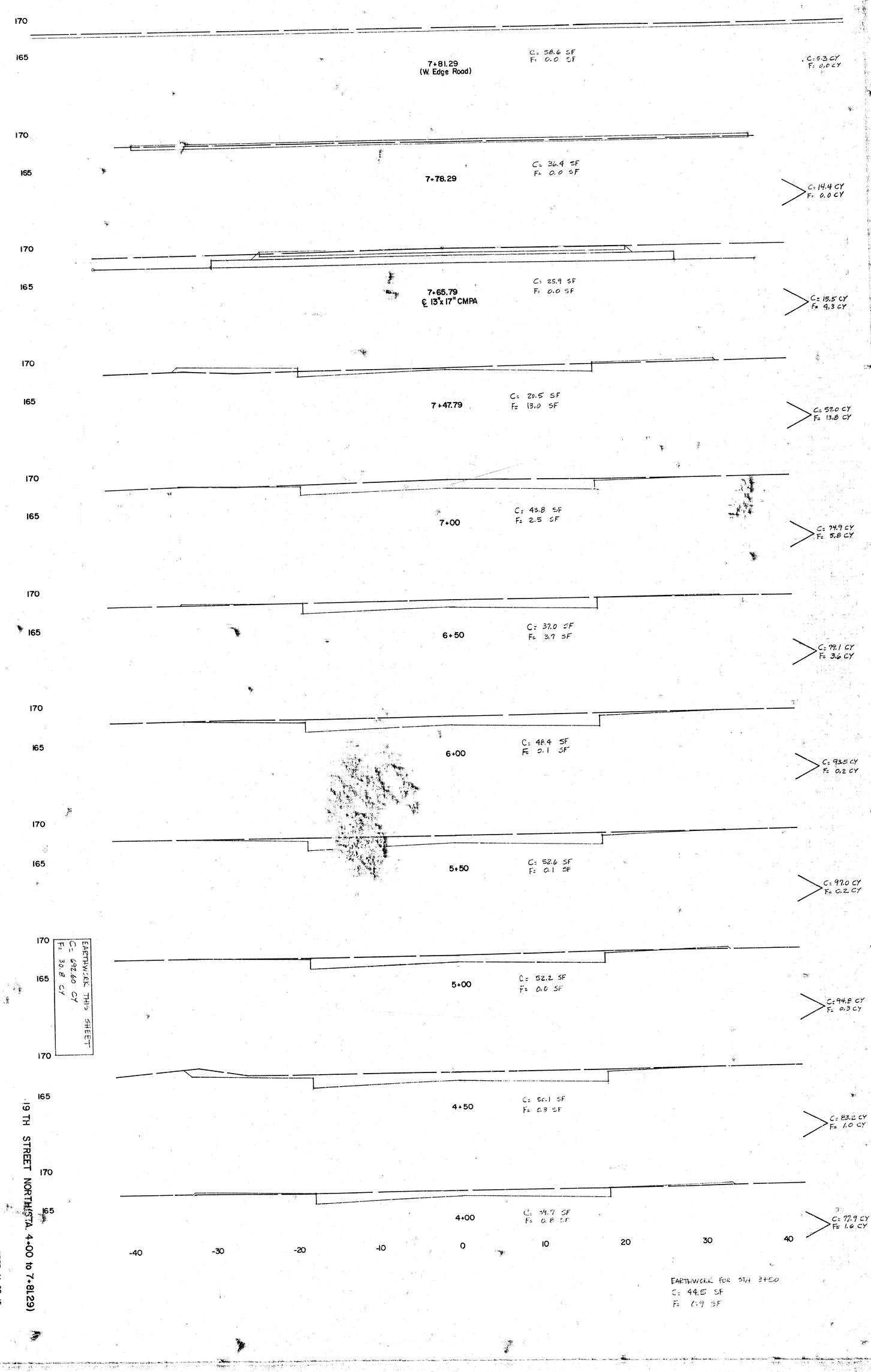
VALLEY GUTTER DETAILS

PROJECT NUMBER

19TH STREET NORTH (STA. 0+00-3+50)

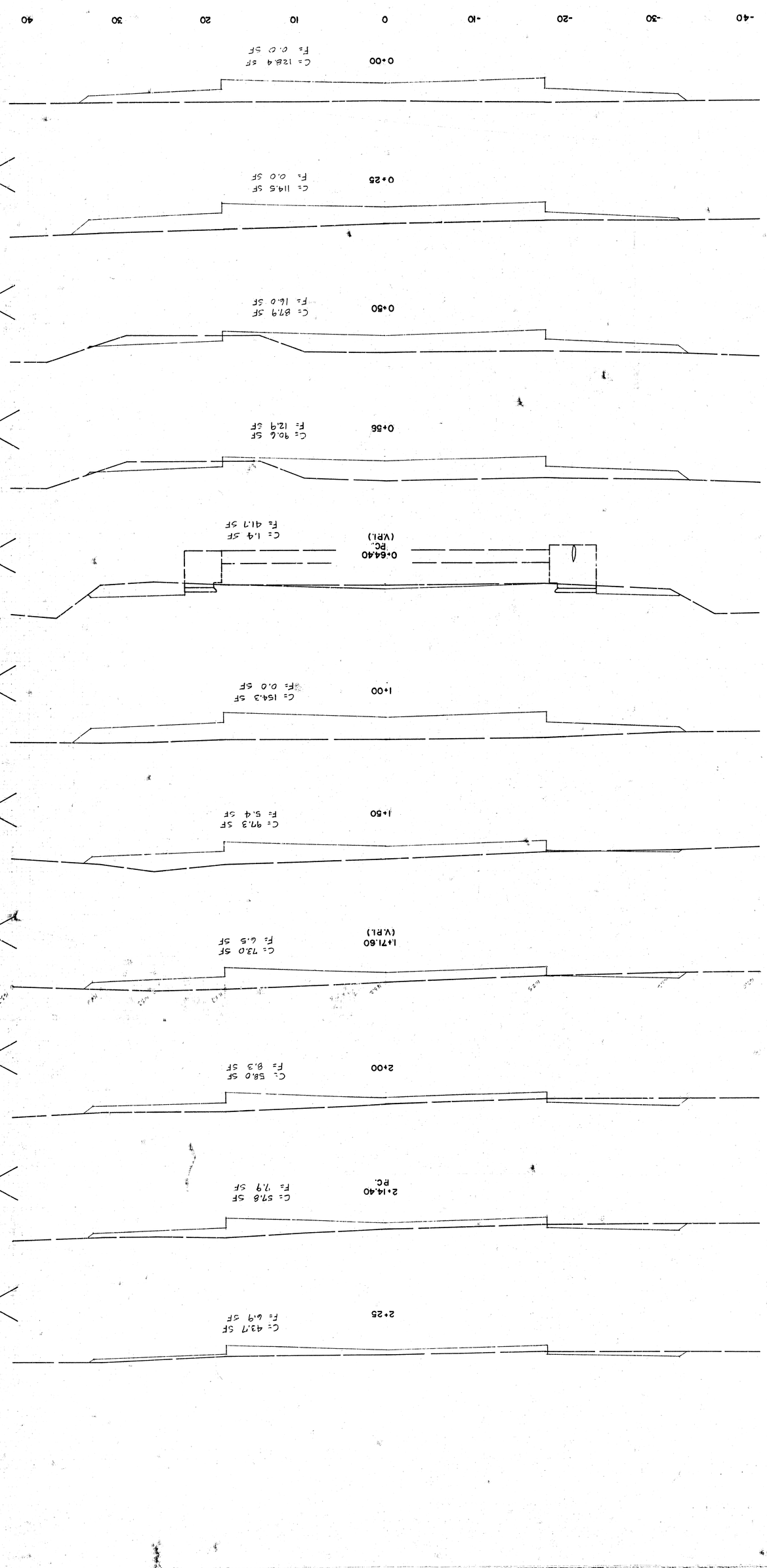
EARTHWORK THIS SHEET
C= 881.5 CY
F= 2.9 CY





19 TH STREET NORTH STA. 4+00 to 7+81.29)

SHEET 11 OF 15

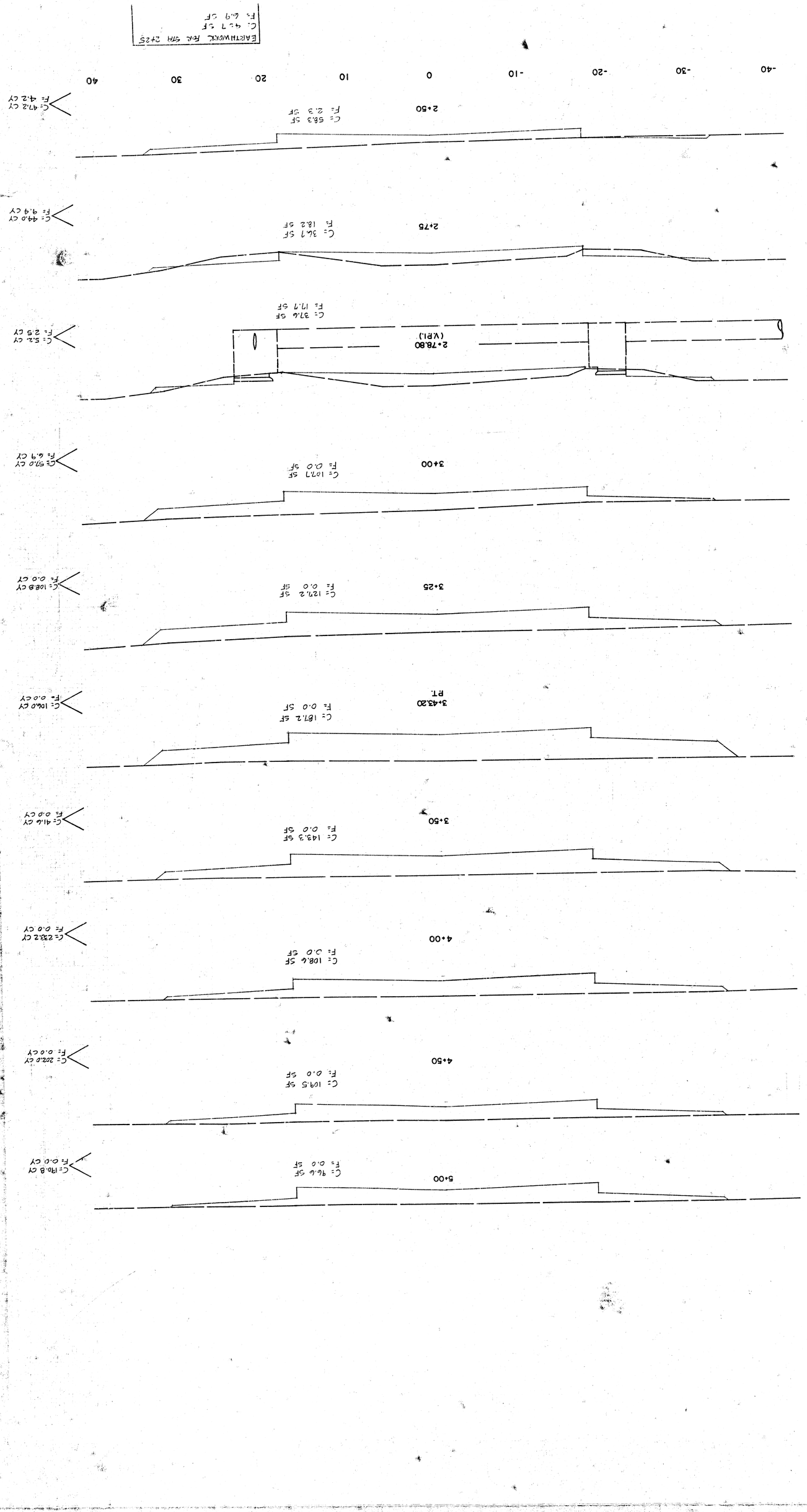

SUNRIDGE (STA. 0+00 to 2+25)
SHEET 12 OF 15
EARTHWORK THIS SHEET
C= 766.8 CY
F= 70.4 CY
-40
-30
-20
-10
0
10
20
30
40
160
165
0+00
C= 1284 SF
F= 0.0 SF
0+25
C= 114.5 SF
F= 0.0 SF
C= 112.5 CY
F= 0.0 CY
0+50
C= 87.9 SF
F= 16.0 SF
C= 93.7 CY
F= 7.4 CY
0+56
C= 90.6 SF
F= 12.9 SF
C= 24.4 CY
F= 4.3 CY
0+640
PC.
(VPI.)
C= 1.4 SF
F= 41.7 SF
C= 10.9 CY
F= 6.5 CY
1+00
C= 154.3 SF
F= 0.0 SF
C= 102.6 CY
F= 27.5 CY
1+50
C= 97.3 SF
F= 5.4 SF
C= 232.9 CY
F= 5.0 CY
1+71.60
(V.PI.)
C= 73.0 SF
F= 6.5 SF
C= 68.1 CY
F= 4.7 CY
2+00
C= 58.0 SF
F= 8.3 SF
C= 68.9 CY
F= 7.8 CY
2+14.40
P.C.
C= 57.8 SF
F= 7.9 SF
C= 30.9 CY
F= 4.3 CY
2+25
C= 43.7 SF
F= 6.9 SF
C= 19.9 CY
F= 2.9 CY

SHEET 13 OF 15

SUNRIDGE (STA. 2+50 to 5+00)

EARTHWORK THIS SHEET
C= 1035.8 CY
F= 23.0 CY

EARTHWORK FOR STA 2+25
C= 45.7 SF
F= 6.9 SF



SUNRIDGE (STA. 5+50 to 6+30.20)
SUNRIDGE N-S (STA. 0+05 to 1+25)

SHEET 14 OF 15

EARTHWORK THIS SHEET
C: 613.6 CY
F: 16.8 CY

SUNRIDGE N-S

EARTHWORK FOR STA 5+50
C: 96.4 SF
F: 0.0 SF

	40	30	20	10	0	-10	-20	-30	-40
165									
170									

5+50
C: 92.7 SF
F: 0.0 SF
C: 54.7 CY
F: 0.0 CY

5+56.20
C: 71.3 SF
F: 0.0 SF
C: 16.5 CY
F: 0.0 CY

5+93.20
C: 99.6 SF
F: 0.0 SF
C: 117.1 CY
F: 0.0 CY

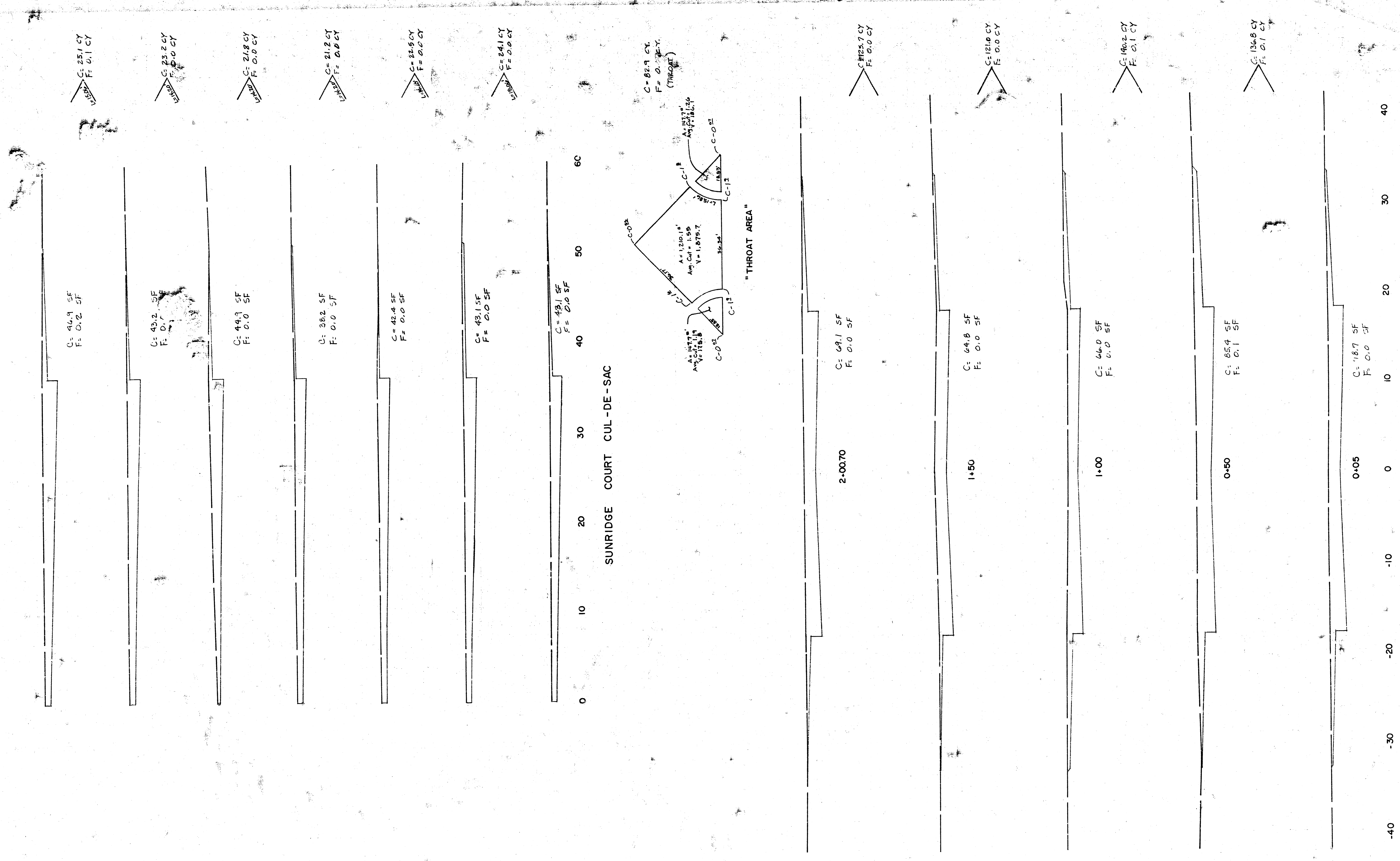
6+30.20
C: 78.7 SF
F: 0.0 SF
C: 122.1 CY
F: 0.0 CY

0+05
C: 80.1 SF
F: 0.0 SF
C: 110.3 CY
F: 0.0 CY

0+50
C: 81.7 SF
F: 0.0 SF
C: 69.4 CY
F: 6.2 CY

1+00
C: 23.3 SF
F: 6.7 SF
C: 21.5 CY
F: 4.6 CY

1+25
Exist. Pvmt.
C: 23.3 SF
F: 3.3 SF



EARTHWORK THIS SHEET
C= 744.5 CY
F= 0.3 CY

(15)

SUNRIDGE COURT (STA. 0+05 TO 2+00.70 & CUL-DE-SAC RAYS)