

STREET IMPROVEMENTS CENTRAL AVENUE PLAZA CITY OF WICHITA, KANSAS

M.E. LINDEBAK, CITY ENGINEER

PROJECT NO. 472-76-245-80000-000-000-008

AUGUST 1983

NOTE TO CONTRACTOR

This project will be constructed under the supervision of the CITY ENGINEER and conforming to the SPECIFICATIONS of the CITY OF WICHITA. The CONTRACTOR will prepare the City of Wichita for all costs of inspection.

8-30-83

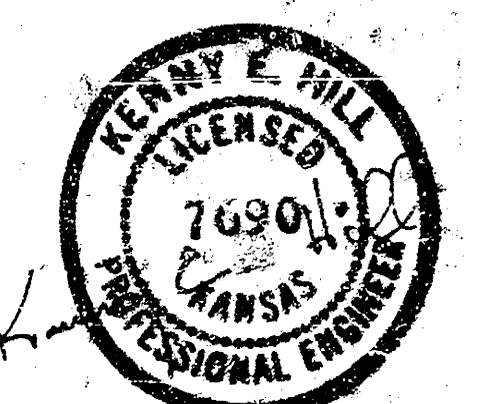
APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers *P.C.S.*
Storm Sewers _____
Driveway Approaches _____

INDEX

Title Sheet-----Sheet 1
Typ. Pavement Details---Sheet 2
Christine-Murdock-Pine----Sheet 3-6
Intersection Detail-----Sheet 7
Edgemoor Decel Lane-----Sheet 8
Drive Approach Details ----Sheet 9
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GENERAL NOTES:

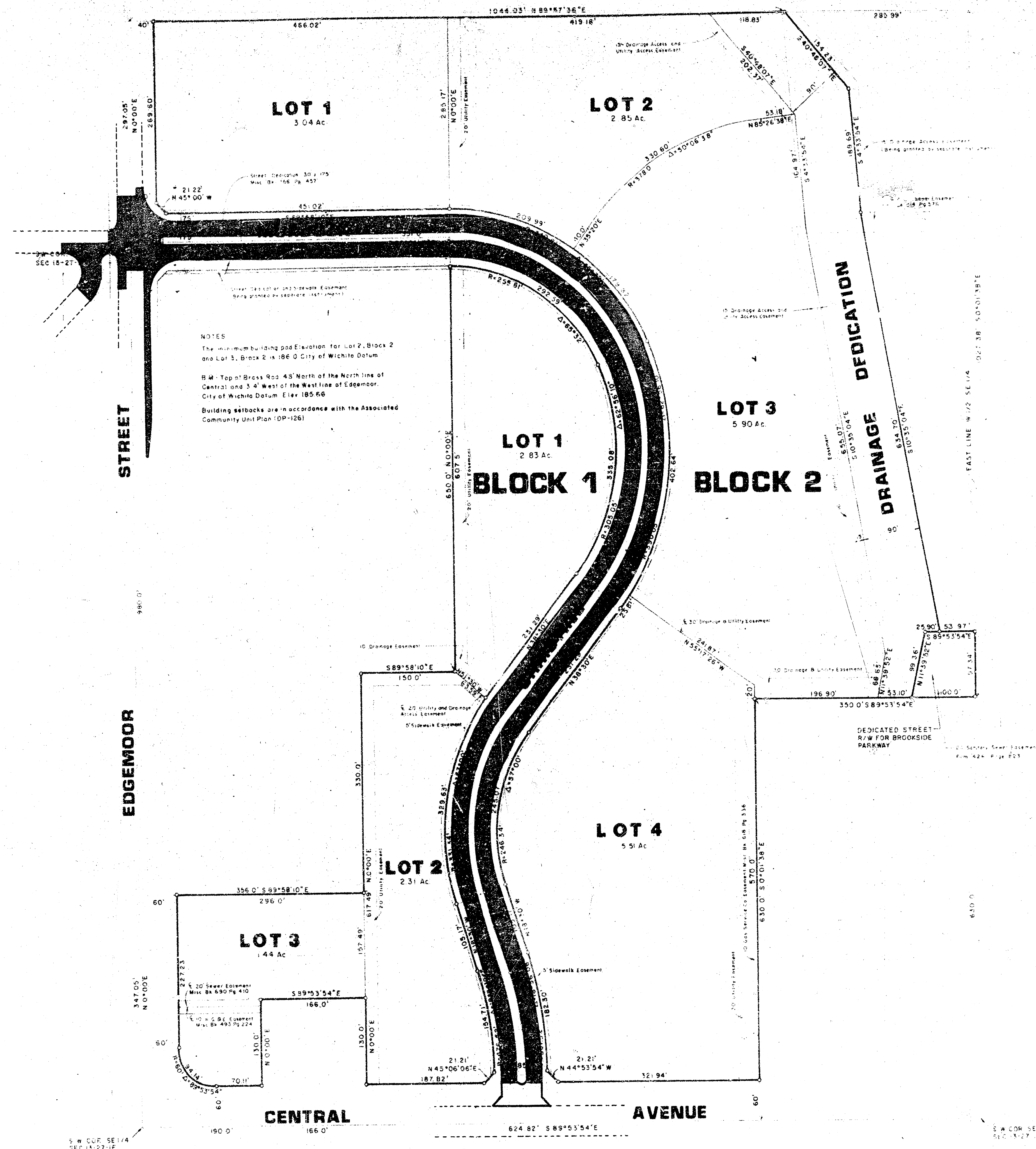
1. All excess excavation from the Street construction shall be used to construct the channel in the Drainage Dedication.



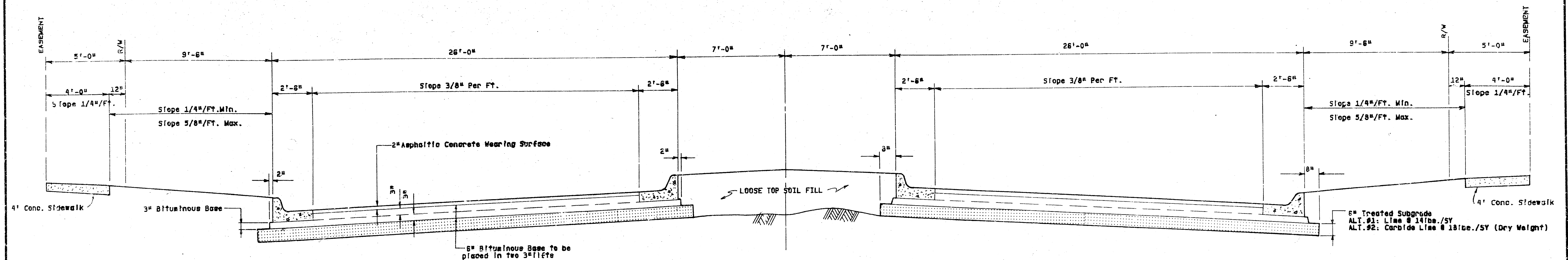
THE CONTRACTOR WILL PROVIDE ALL CONSTRUCTION STAKING ON THIS PROJECT.

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

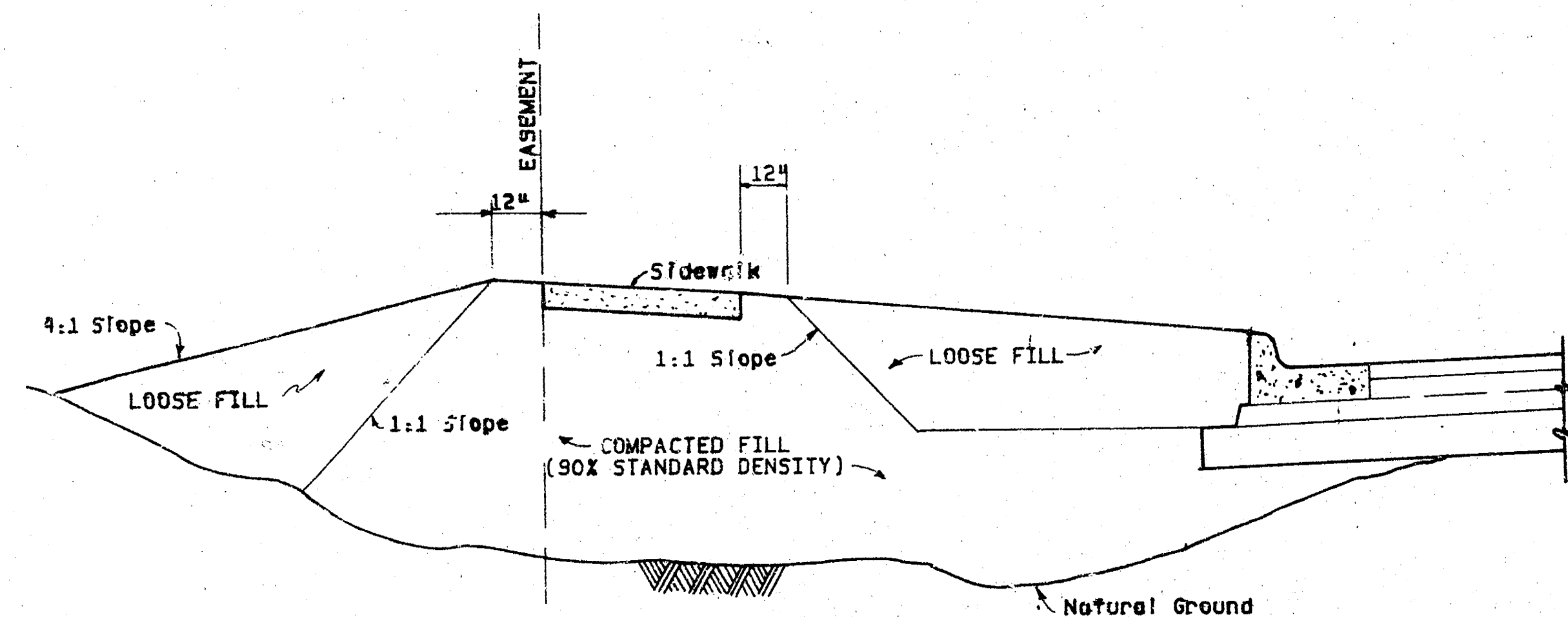
dp POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS



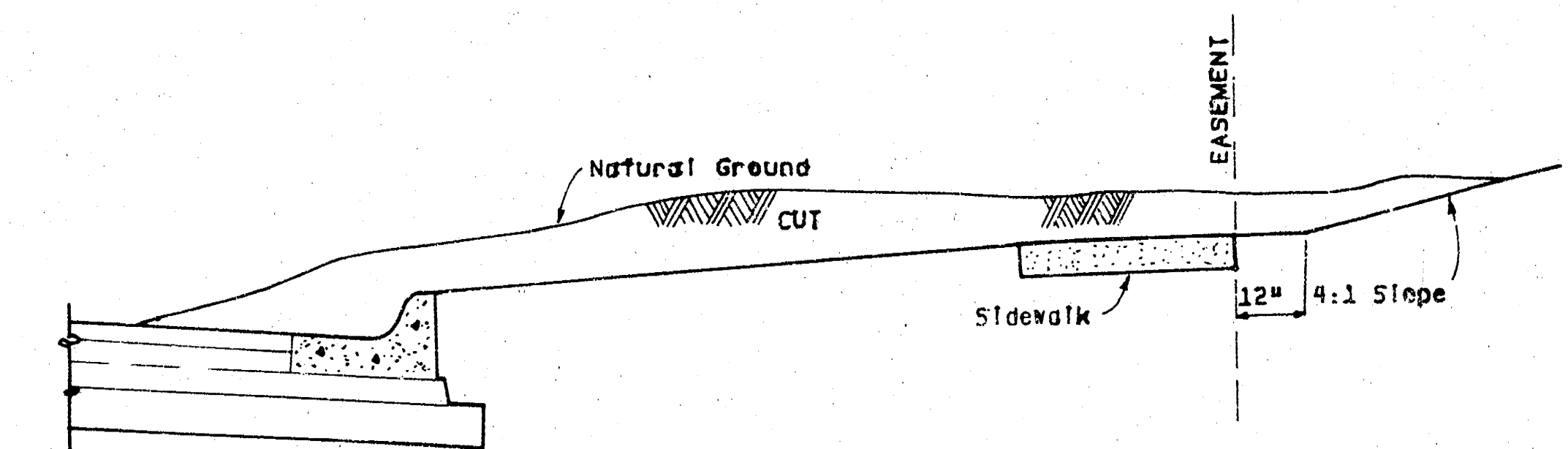
TYPICAL PAVEMENT DETAILS



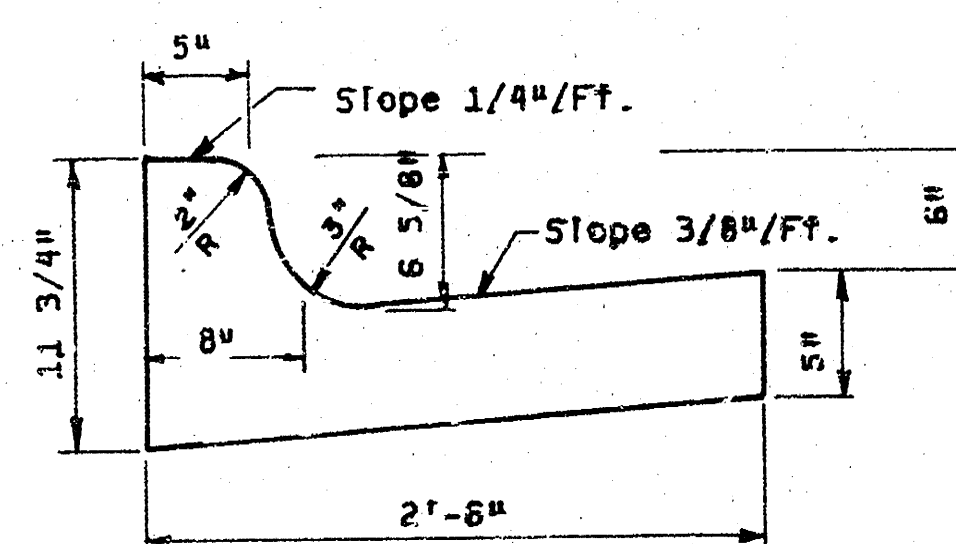
TRANSVERSE SECTION



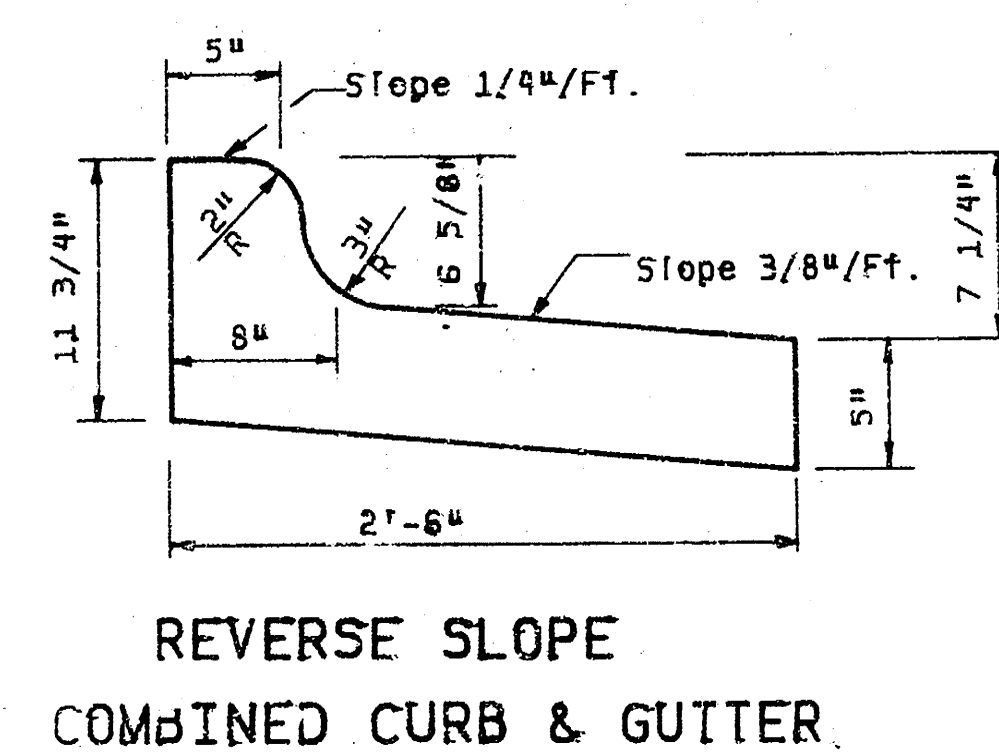
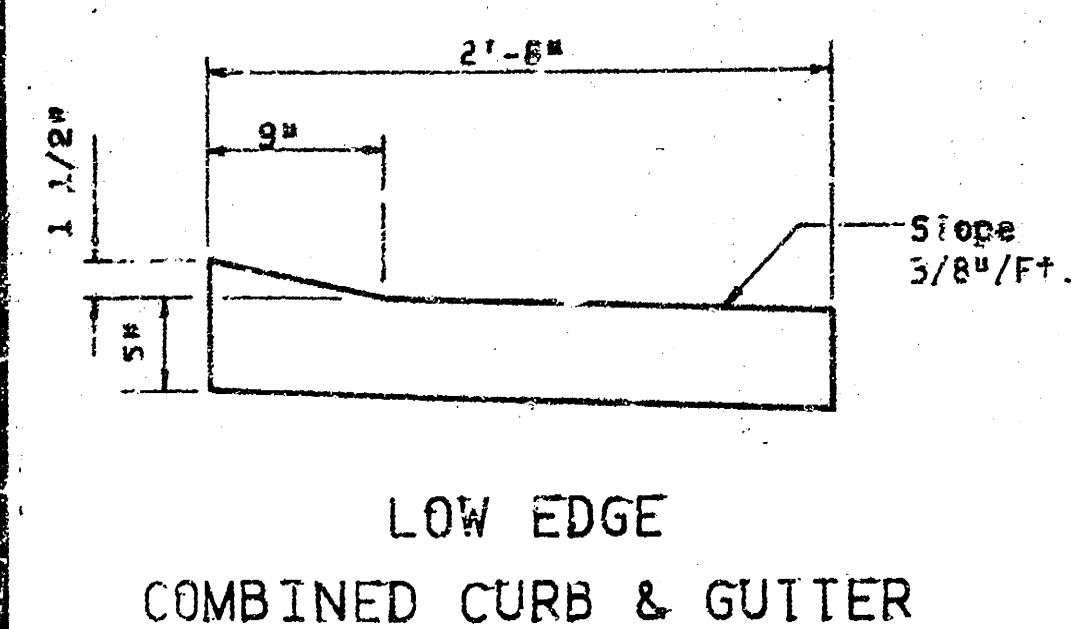
TYPICAL FILL SECTION



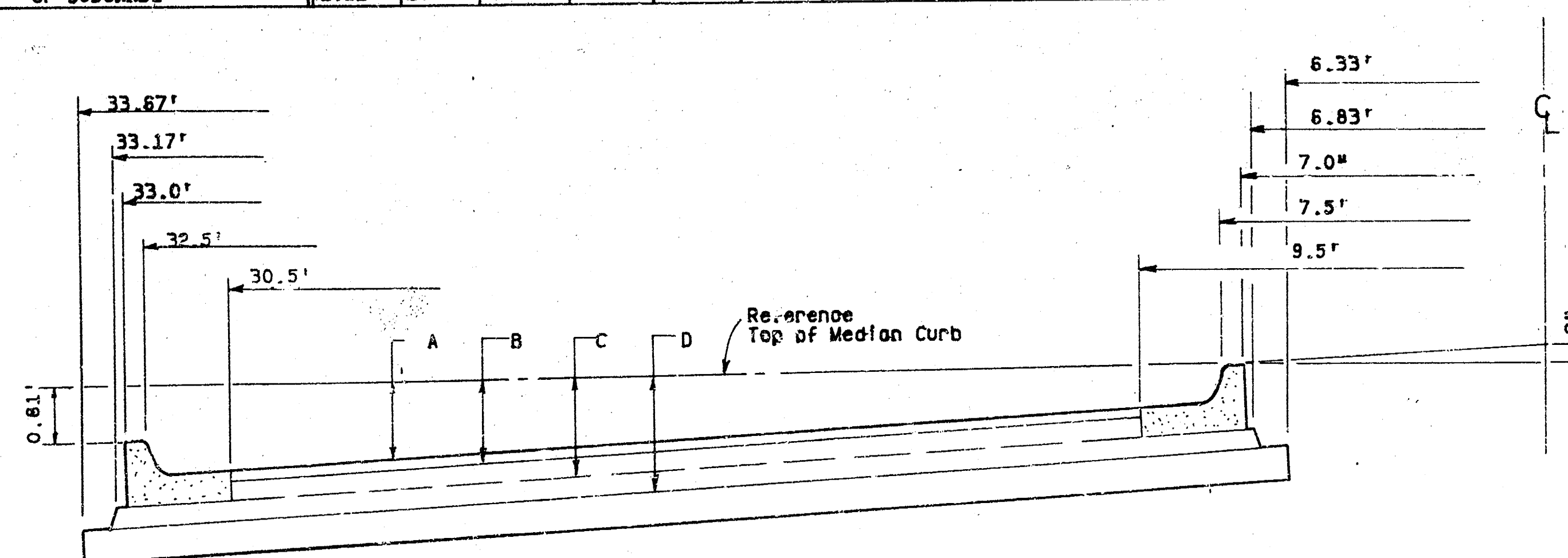
TYPICAL CUT SECTION



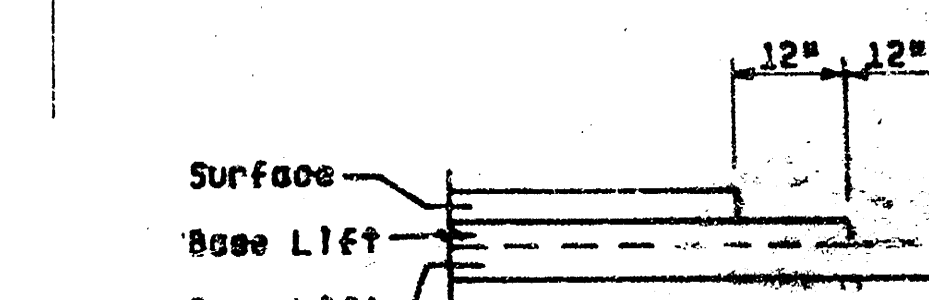
COMBINED CURB & GUTTER



	DISTANCE FROM CENTERLINE (LT. & RT.)															
	6.33	6.83	7.0	7.5	9.5	12.5	15.5	18.5	21.5	24.5	27.5	30.5	32.5	33.0	33.17	33.67
A. TOP OF CURB TO TOP OF SURFACE LIFT	-	-	-	-	0.64	0.73	0.83	0.92	1.01	1.11	1.20	1.29	-	-	-	-
B. TOP OF CURB TO TOP OF UPPER BASE LIFT	-	-	-	-	0.61	0.90	1.00	1.08	1.18	1.28	1.37	1.46	-	-	-	-
C. TOP OF CURB TO TOP OF LOWER BASE LIFT	-	0.97	0.98	1.00	1.06	1.15	1.25	1.34	1.43	1.53	1.62	1.71	1.77	1.79	1.80	-
D. TOP OF CURB TO TOP OF SUBGRADE	1.21	1.22	1.23	1.25	1.31	1.40	1.50	1.59	1.68	1.78	1.87	1.96	2.02	2.04	2.05	2.06



ELEVATION OFFSETS



Transverse construction joints shall be constructed in flexible base pavement 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 prices for square yard 6" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).

TRANSVERSE CONSTRUCTION JOINTS

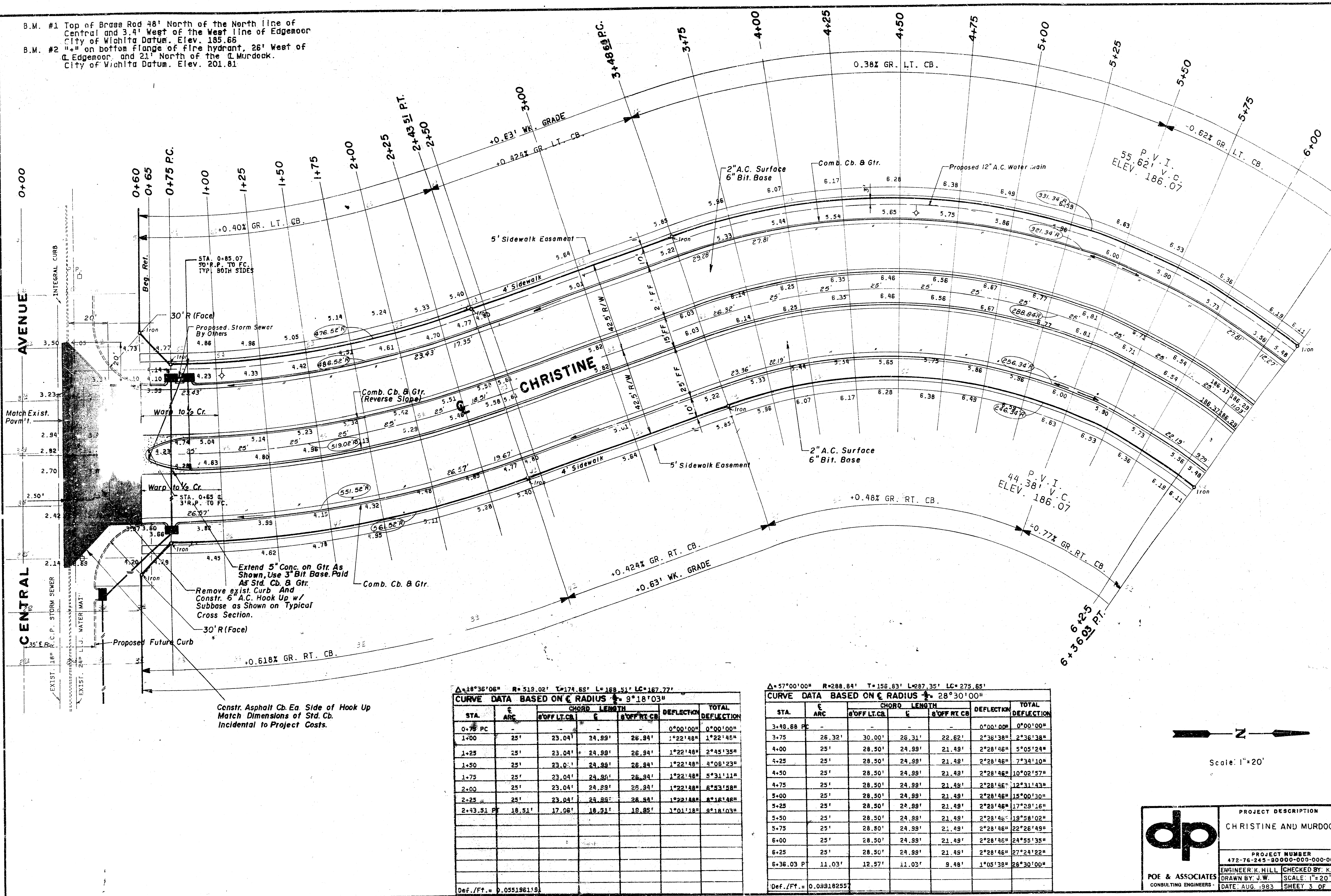
GENERAL NOTES

- 1) The asphaltic concrete pavement between the combined curb and gutter shall be paid as square yards of 6" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).
- 2) The bituminous base under and behind the combined curb and gutter shall be paid as square yards of 3" 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 spreader 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.

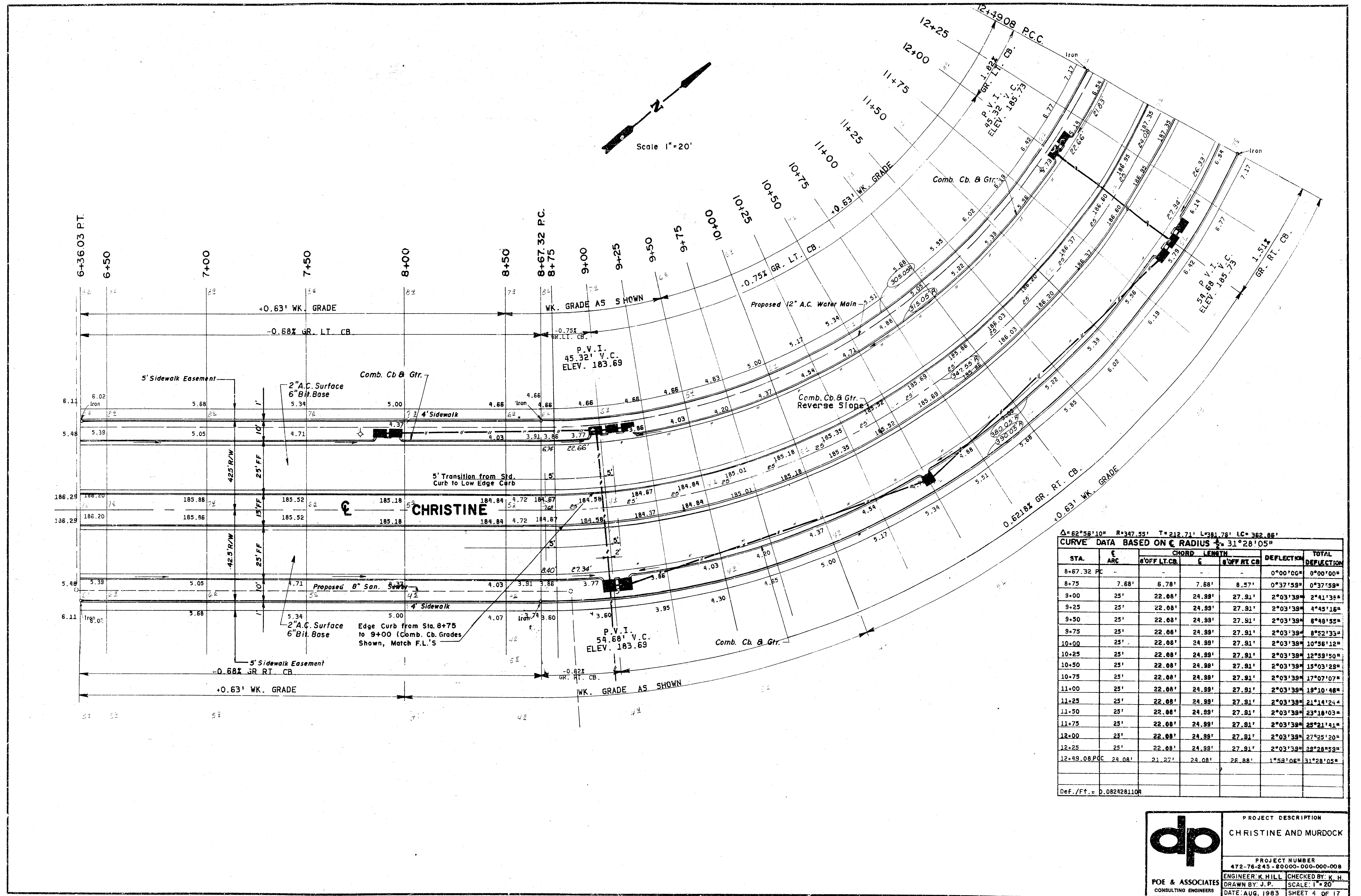
	PROJECT DESCRIPTION	
	CHRISTINE AND MURDOCK	
	Typical Pavement Details	
	PROJECT NUMBER	
472-78-245-20000-000-000-008		ENGINEER: K. HILL
DRAWN BY: J.W.		CHECKED BY: K.H.
DATE: AUG. 1983		SHEET 2 OF 17

FILMED FROM THE BEST AVAILABLE COPY....

B.M. #1 Top of Brass Rod 48' North of the North line of Central and 3.4' West of the West line of Edgemore City of Wichita Datum. Elev. 185.66
 B.M. #2 " " on bottom flange of fire hydrant, 26' West of Edgemore, and 21' North of the A. Murdock. City of Wichita Datum. Elev. 201.81



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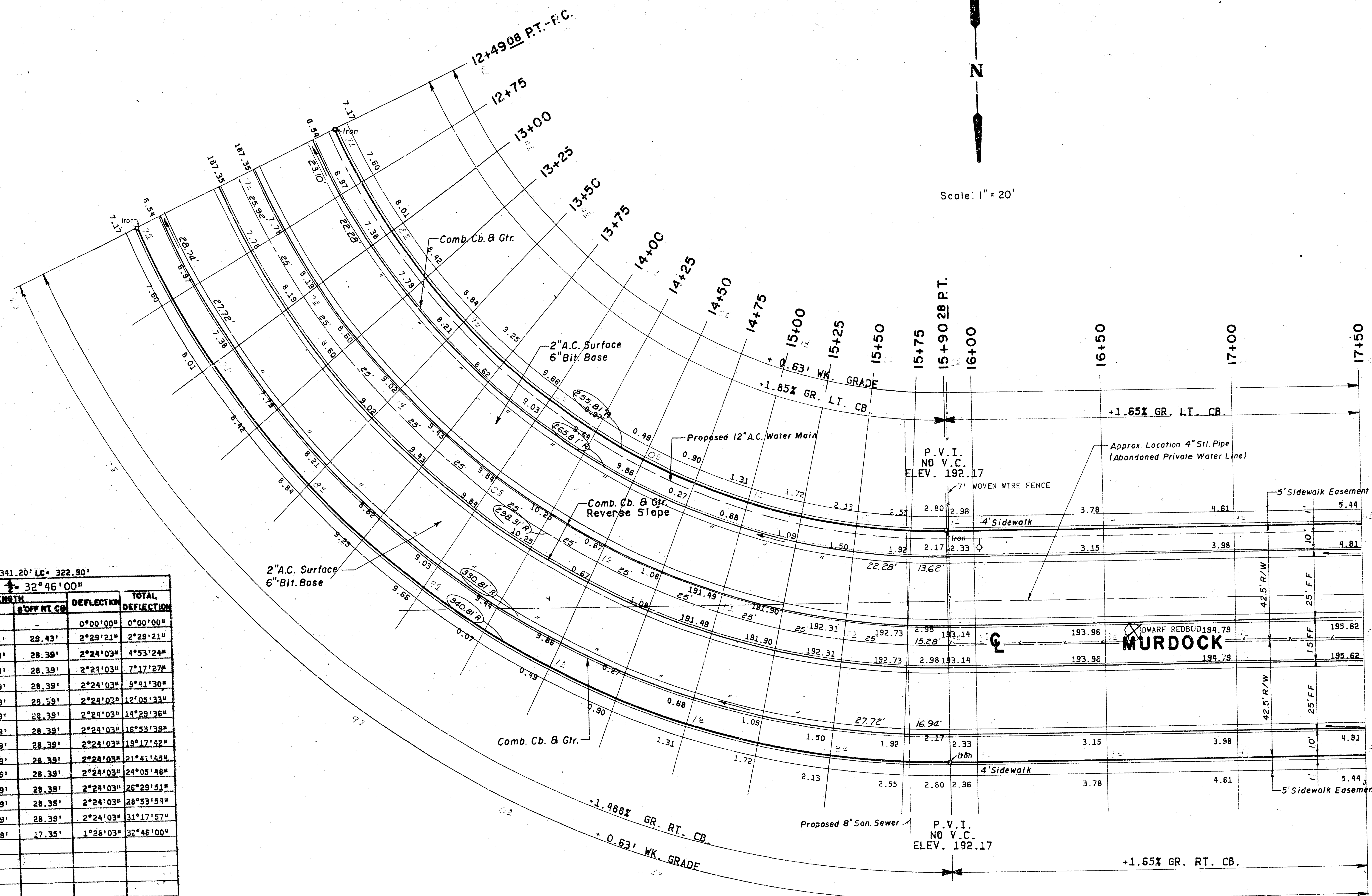


$\Delta = 65^\circ 32' 00''$ $R = 298.31'$ $T = 192.00'$ $L = 341.20'$ $LC = 322.90'$

CURVE DATA BASED ON C RADIUS $32^\circ 46' 00''$

STA.	ARC	CHORD	LENGTH	DEFLECTION	TOTAL
		OFF LT. CB.	OFF RT. CB.		DEFLECTION
12+49.08 P.C.	-	-	-	0°00'00"	0°00'00"
12+75	25'	22.39'	25.91'	2°29'21"	2°29'21"
13+00	25'	21.60'	24.99'	2°24'03"	4°53'24"
13+25	25'	21.60'	24.99'	2°24'03"	7°17'27"
13+50	25'	21.60'	24.99'	2°24'03"	9°41'30"
13+75	25'	21.60'	24.99'	2°24'03"	12°05'33"
14+00	25'	21.60'	24.99'	2°24'03"	14°29'36"
14+25	25'	21.60'	24.99'	2°24'03"	16°53'39"
14+50	25'	21.60'	24.99'	2°24'03"	19°17'42"
14+75	25'	21.60'	24.99'	2°24'03"	21°41'45"
15+00	25'	21.60'	24.99'	2°24'03"	24°05'48"
15+25	25'	21.60'	24.99'	2°24'03"	26°29'51"
15+50	25'	21.60'	24.99'	2°24'03"	28°53'54"
15+75	25'	21.60'	24.99'	2°24'03"	31°17'57"
15+90.28	15.28'	13.20'	15.38'	1°28'03"	32°46'00"

Def./FT. = 0.096033957

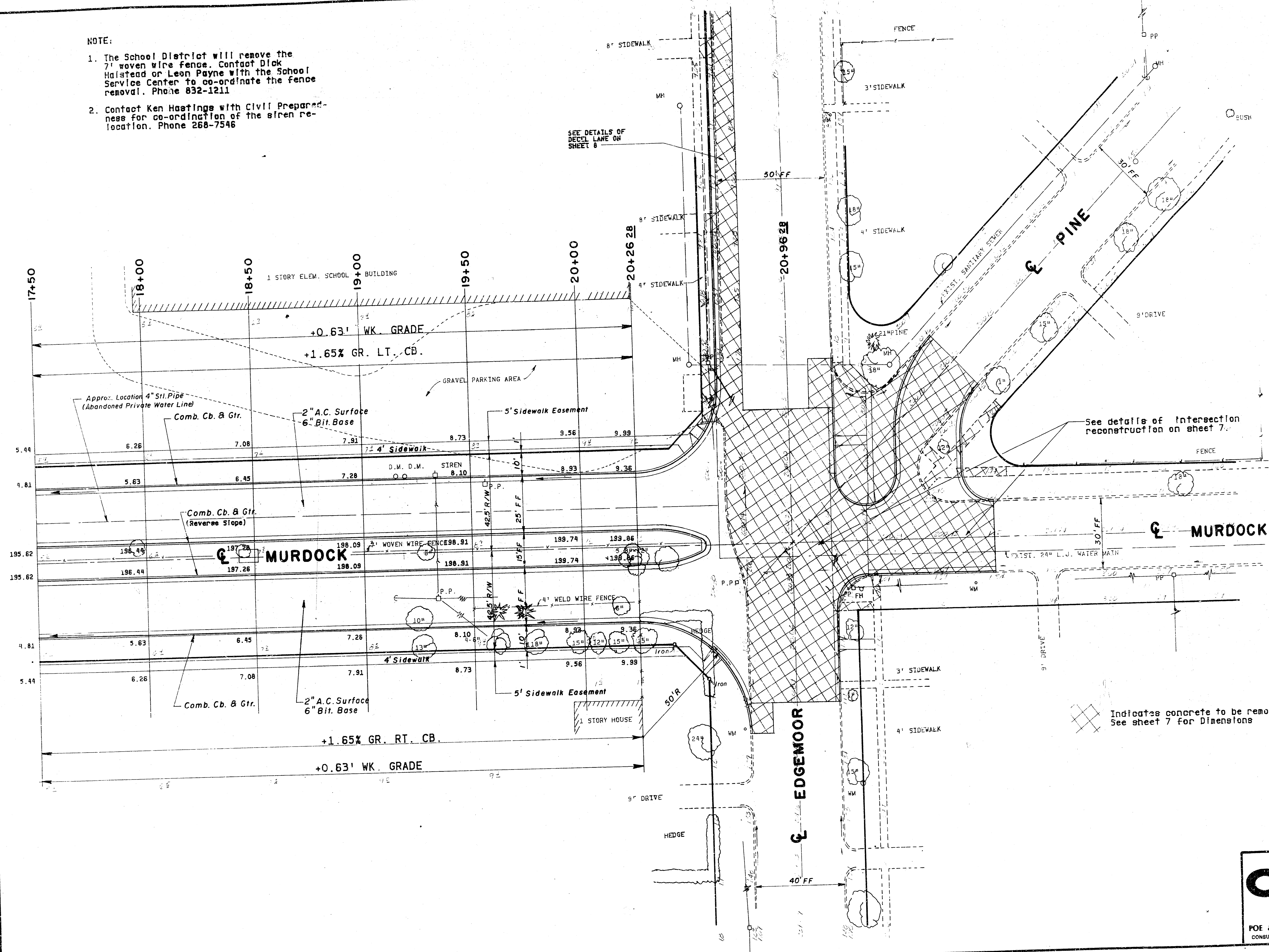


	PROJECT DESCRIPTION	
	CHRISTINE AND MURDOCK	
	PROJECT NUMBER	
	472-76-245-80000-000-000-008	
POE & ASSOCIATES CONSULTING ENGINEERS	ENGINEER K. HILL	CHECKED BY: K. H.
	DRAWN BY: J. W.	SCALE: 1"=20'
	DATE: AUG. 1983	SHEET 5 OF 17

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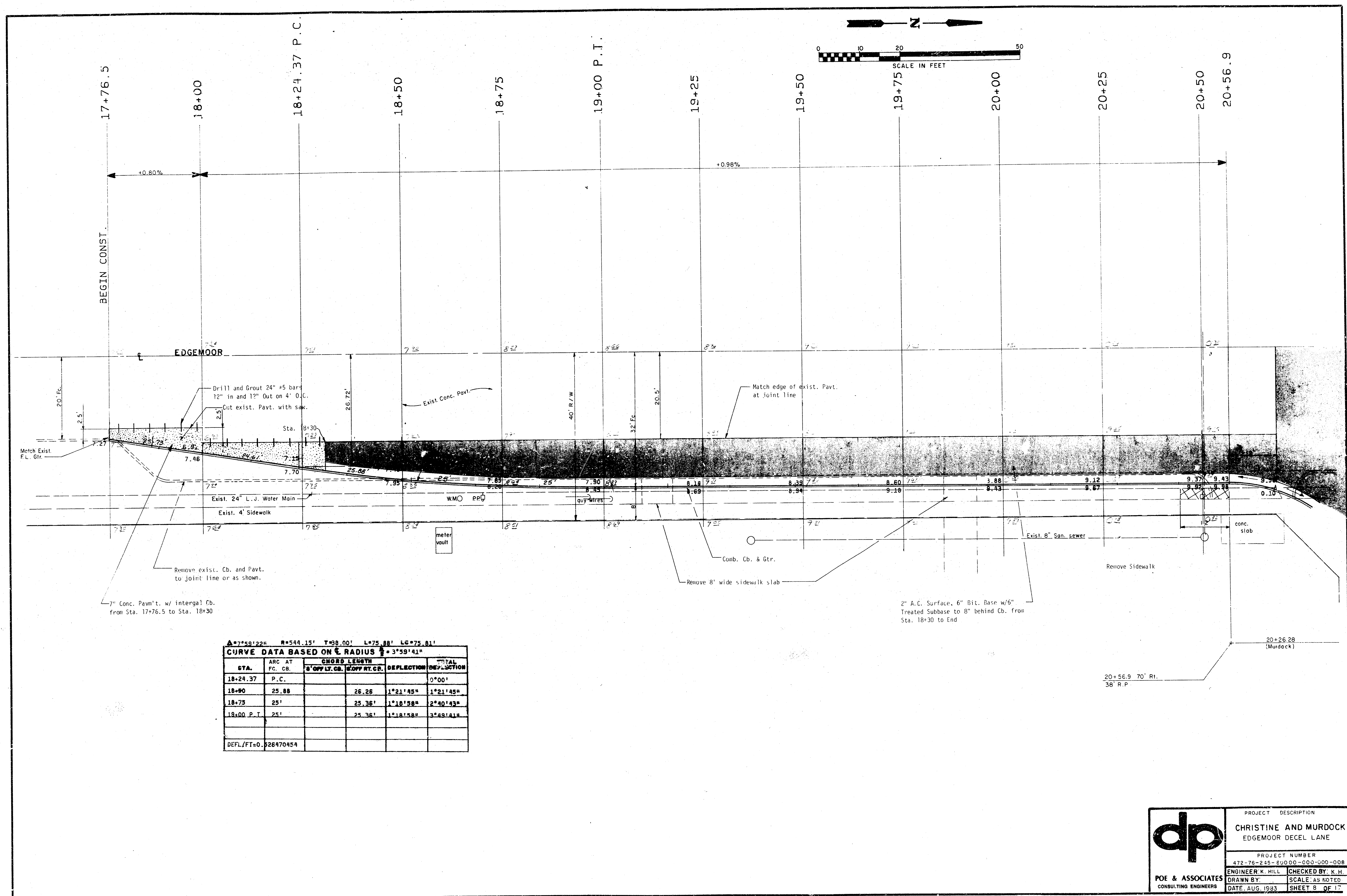
NOTE:

1. The School District will remove the 7' woven wire fence. Contact Dick Halstead or Leon Payne with the School Service Center to co-ordinate the fence removal. Phone 832-1211
2. Contact Ken Hastings with CIVIL Preparedness for co-ordination of the siren relocation. Phone 268-7546



dp POE & ASSOCIATES CONSULTING ENGINEERS	PROJECT DESCRIPTION	
	CHRISTINE AND MURDOCK	
	PINE AND MURDOCK	
	PROJECT NUMBER	
ENGINEER K. HILL DRAWN BY J. W. DATE: AUG. 1983	472-76-245-80000-000-000-008	
	CHECKED BY: K. H.	
	SCALE: 1"=20'	
SHEET 6 OF 17		17

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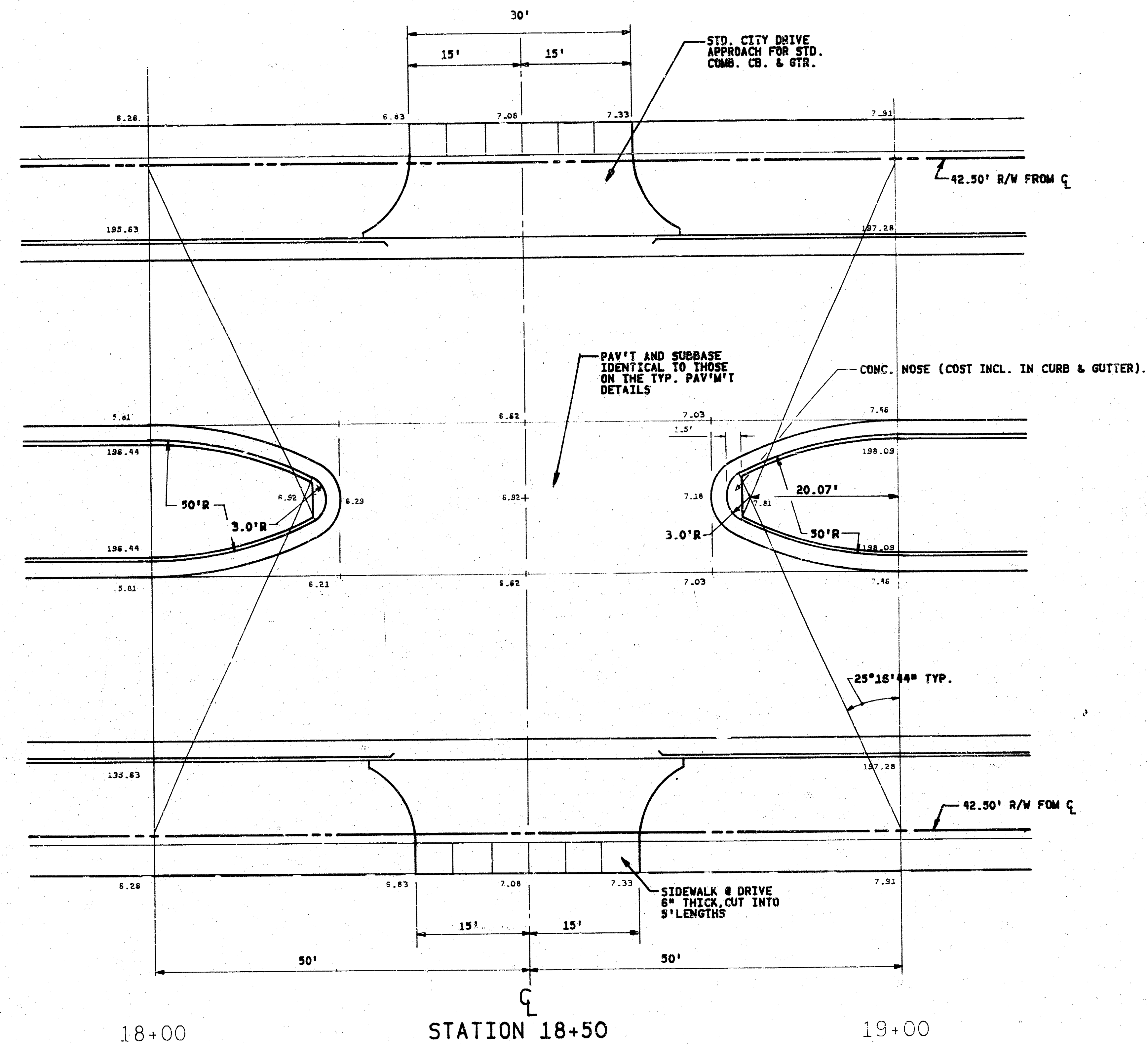
$\Delta=75^{\circ}59'22''$ $R=544.15'$ $T=38.00'$ $L=75.88'$ $LC=75.81'$

CURVE DATA BASED ON Δ RADIUS $R=359'41''$

STA.	ARC AT FC. CB.	CHORD LENGTH A' OFF LT. CB. B' OFF RT. CR.	DEFLECTION 1" 21' 45"	TOTAL DEFLECTION
18+24.37	P.C.			0°00'
18+50	25.88	26.26	1°21'45"	1°21'45"
18+75	25'	25.36'	1°18'58"	2°40'43"
19+00 P.T.	25'	25.36'	1°18'58"	3°59'41"
DEFL/FI=0.526470454				

	PROJECT DESCRIPTION	
	CHRISTINE AND MURDOCK EDGEMOOR DECEL LANE	
	PROJECT NUMBER 472-75-245-SU000-000-000-008	
	ENGINEER K. HILL	CHECKED BY: K. H.
	DRAWN BY:	SCALE: AS NOTED
POE & ASSOCIATES CONSULTING ENGINEERS	DATE: AUG. 1983	SHEET 8 OF 17

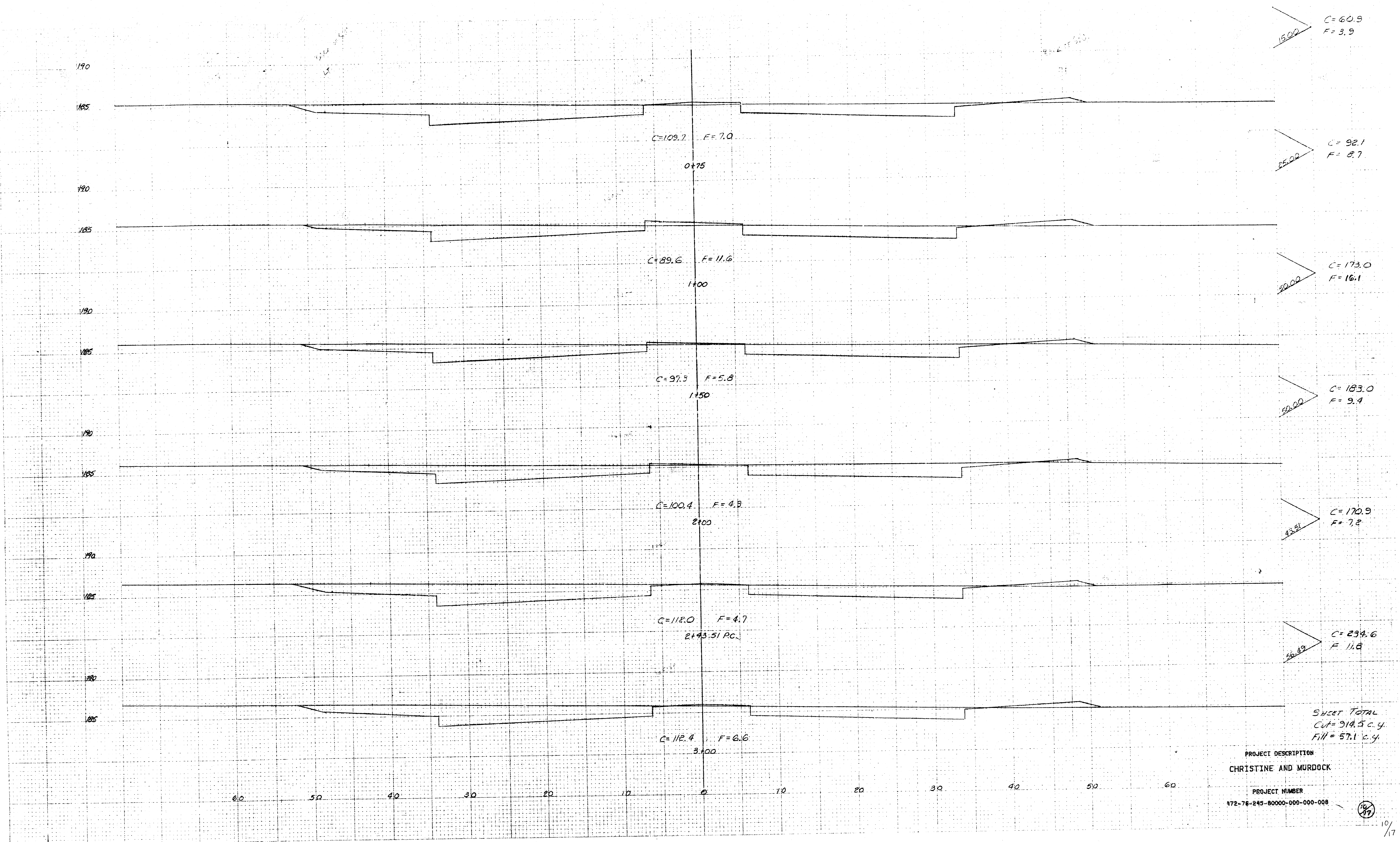
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ALL LOCATIONS MUST BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO CONSTRUCTION.

dp POE & ASSOCIATES CONSULTING ENGINEERS	PROJECT DESCRIPTION	
	CHRISTINE AND MURDOCK DRIVE APPROACH DETAILS	
	PROJECT NUMBER	
	472-78-245-80000-000-000-008	
ENGINEER: K. HILL DRAWN BY: J. G. P. DATE: AUG. 1983	CHECKED BY: K. H.	
	SCALE: 1" = 10'	
	SHEET 9 OF 17	

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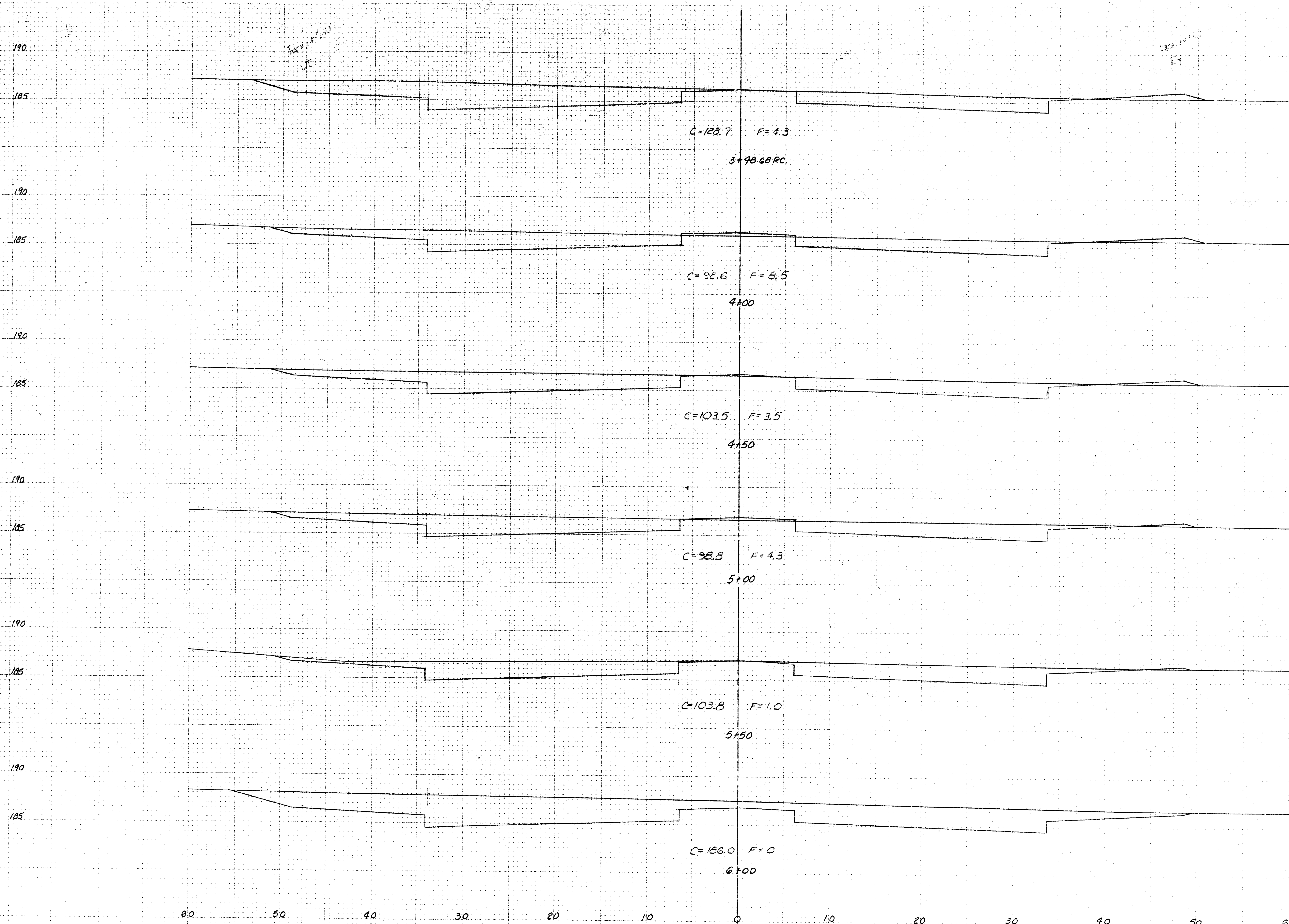


NO. 1294-CROSS SECTION 10 x 10
"CLEARPRINT PAPER CO."
MADE IN U.S.A.

PROJECT DESCRIPTION
CHRISTINE AND MURDOCK
PROJECT NUMBER
172-76-245-80000-000-000-008

10/17

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$C = 212.1$
 $F = 9.8$

$C = 210.3$
 $F = 12.2$

$C = 181.4$
 $F = 11.1$

$C = 127.1$
 $F = 7.2$

$C = 187.4$
 $F = 4.9$

$C = 268.1$
 $F = 2.9$

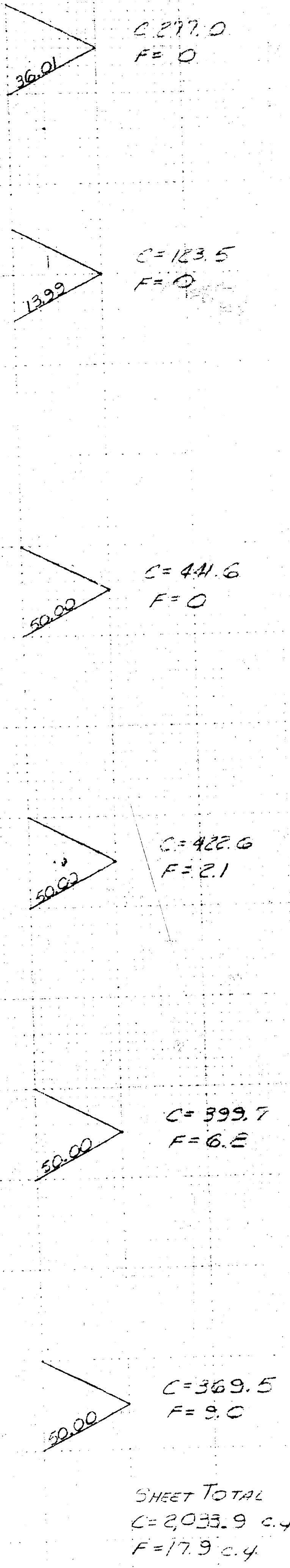
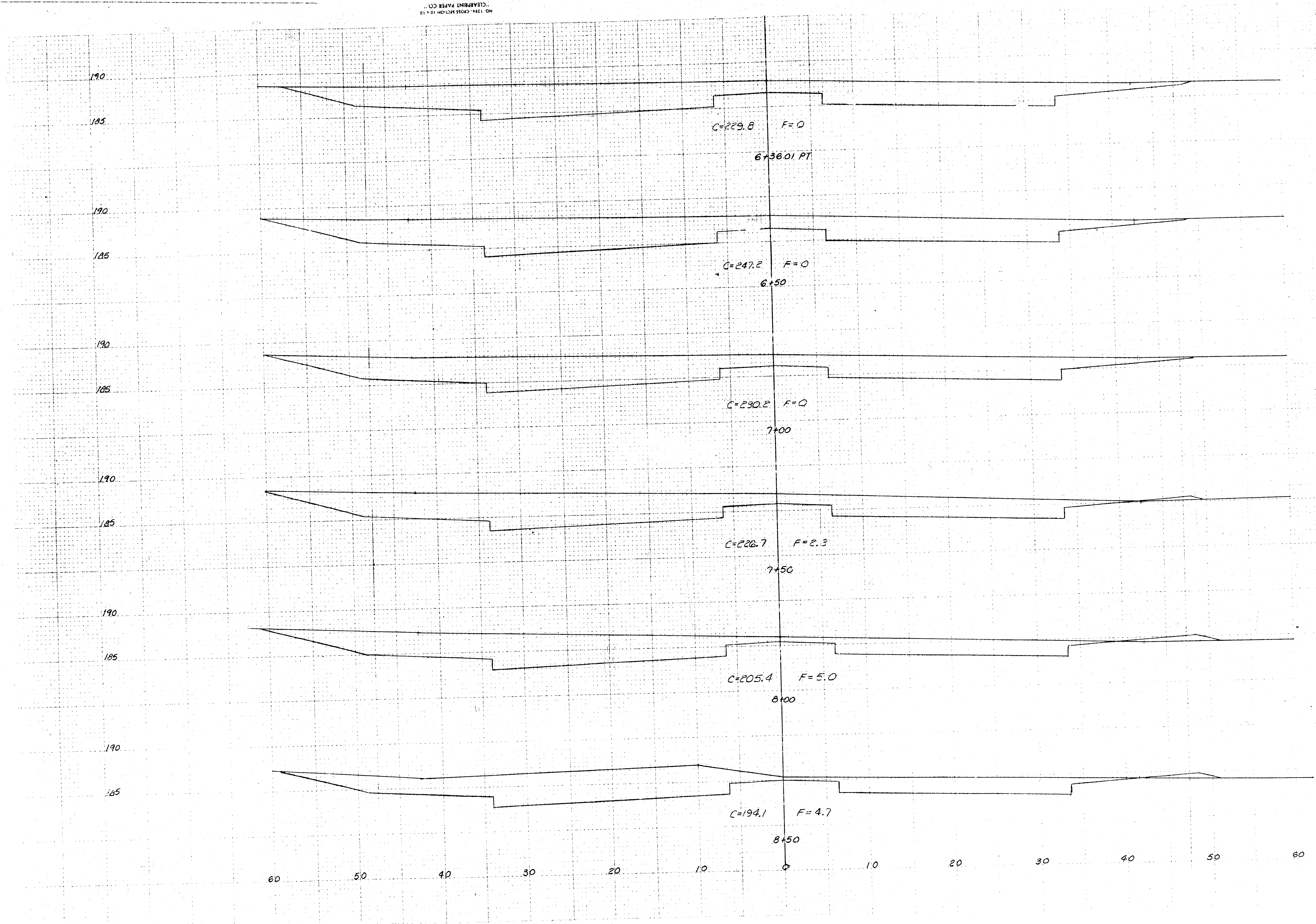
SHEET TOTAL
 $C = 1251.4$ c.y.
 $F = 46.1$ c.y.

PROJECT DESCRIPTION
 CHRISTINE AND MURDOCK
 PROJECT NUMBER
 472-76-245-80000-000-000-008

11/17

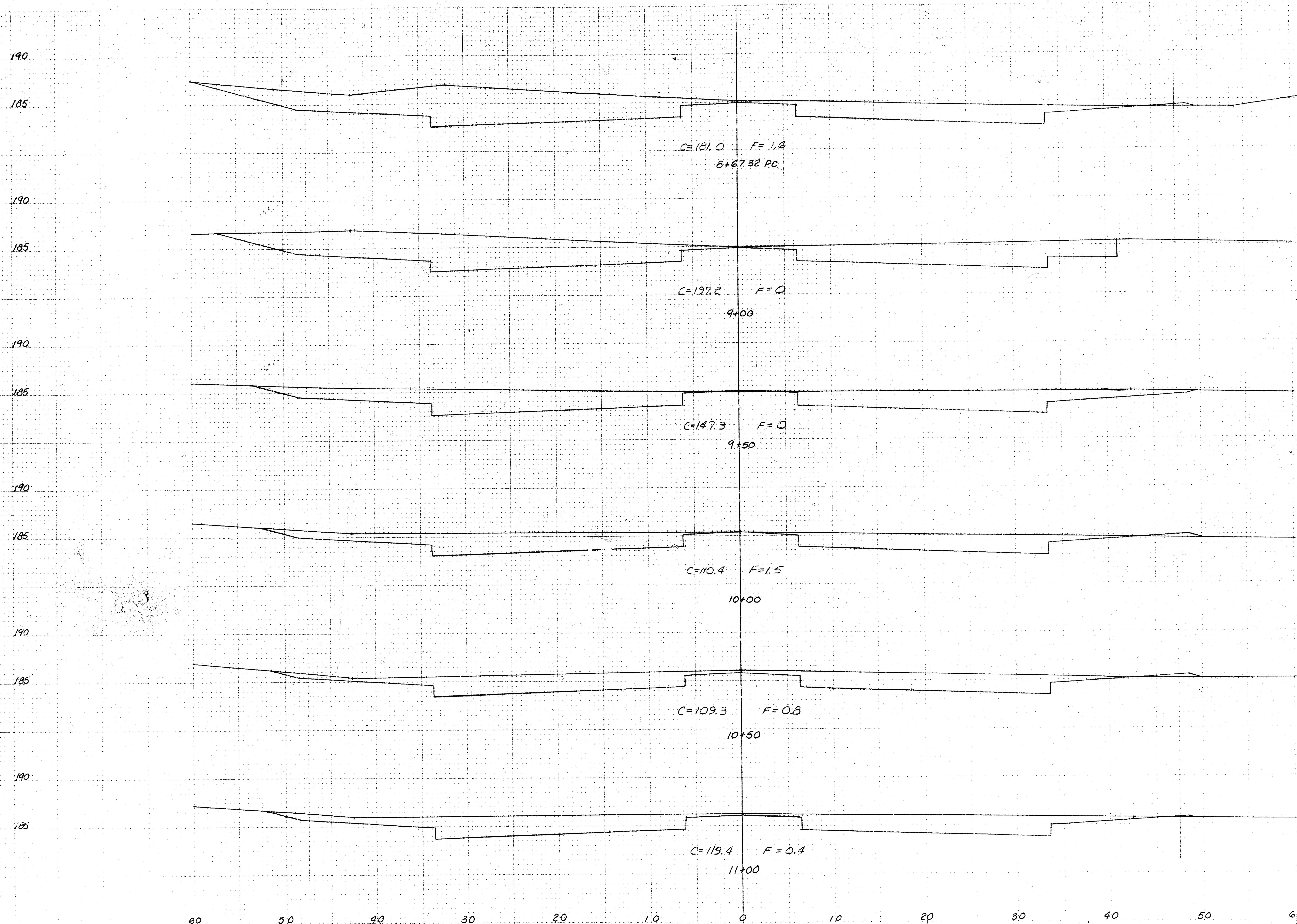
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CLEARPRINT PAPER CO.
10 1/2" X 14" (254 X 354 mm)



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 CHRISTINE AND MURDOCK
 PROJECT NUMBER
 472-76-245-20000-000-008

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17.32
 $C = 120.2$
 $F = 2.0$

22.68
 $C = 228.7$
 $F = 1.0$

20.00
 $C = 318.7$
 $F = 0$

50.00
 $C = 258.4$
 $F = 1.4$

50.00
 $C = 203.2$
 $F = 2.1$

50.00
 $C = 211.6$
 $F = 1.1$

SHEET TOTALS
 $C = 1320.8$ C4
 $F = 7.6$ C4

PROJECT DESCRIPTION
CHRISTINE AND MURDOCK
PROJECT NUMBER
472-76-245-80000-000-000-008

14/17

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190

185

190

185

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185

190

185

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190

185

C=100.0 F=4.7

11+50

C=68.0 F=8.1

12+00

C=95.7 F=5.0
12+49.08 P.C.

C=115.9 F=6.2

13+00

C=114.3 F=3.5

13+50

C=172.8 F=0

14+00

50.00
C=203.0
F=4.7

50.00
C=173.9
F=11.8

50.00
C=100.8
F=11.9

50.00
C=139.3
F=10.6

50.00
C=212.9
F=9.0

50.00
C=265.6
F=3.2

SHEET TOTAL
C=1281.5 C.Y.
F=51.2 C.Y.

PROJECT DESCRIPTION
CHRISTINE AND MURDOCK

PROJECT NUMBER
472-76-245-80000-000-000-008

14/17

14/17

NO. 1344 CROSS SECTION 10 x 10
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195

190

195

190

195

190

195

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195

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195

190

C=131.8 F=0

14+50

C=118.6 F=0.4

15+00

C=122.1 F=3.9

15+50

C=107.3 F=8.1

15+90.28 P.T.

C=100.0 F=2.7

16+00

C=87.6 F=4.2

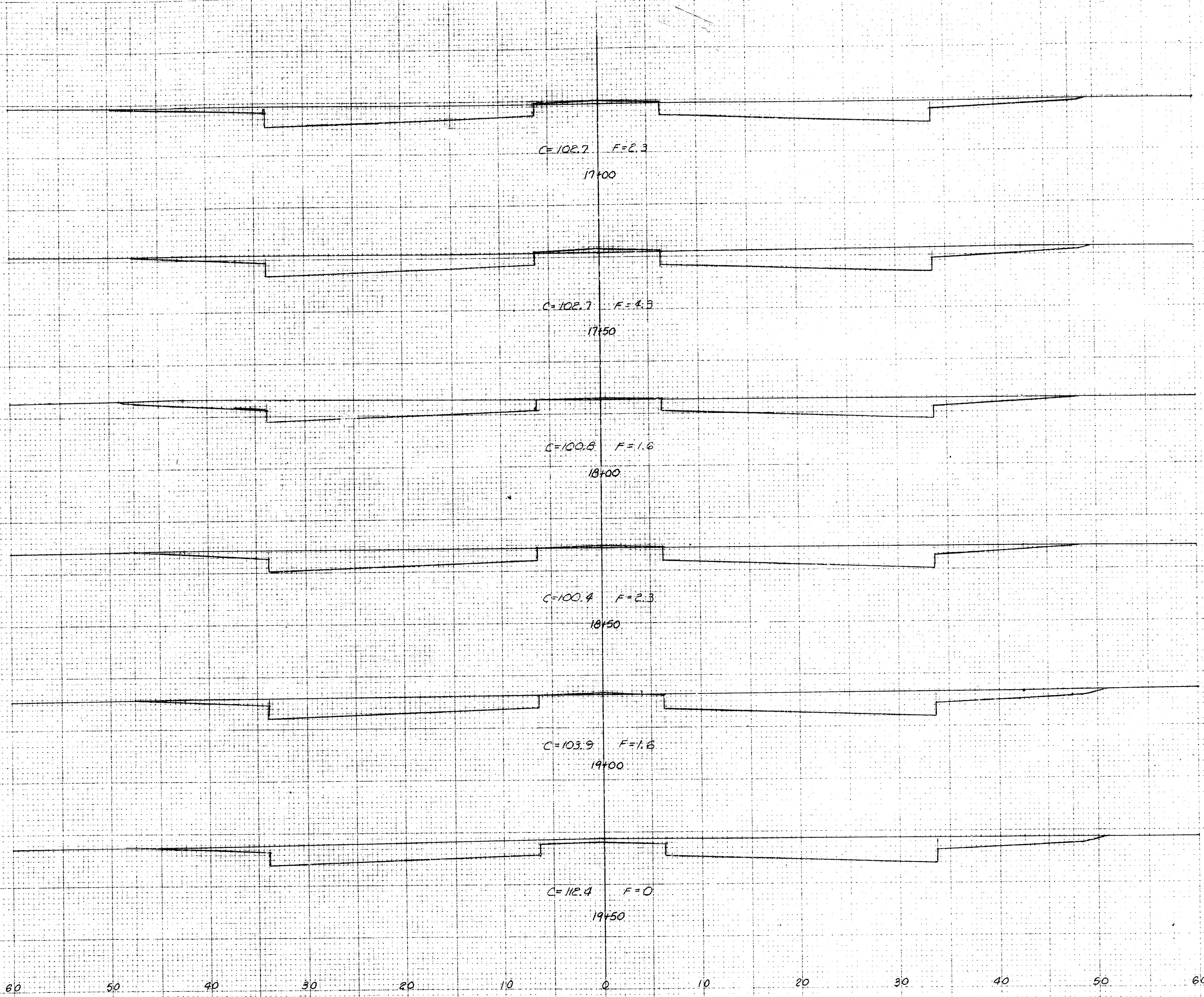
16+50

C=281.8
F=0C=251.6
F=0.4C=523.7
F=4.0C=170.9
F=8.9C=37.3
F=1.9C=173.5
F=6.4SHEET TOTAL
C=1117.8 C.4.
F=21.6 C.4.PROJECT DESCRIPTION
CHRISTINE AND MURDOCKPROJECT NUMBER
472-76-245-80000-000-000-000NO. 1294-CROSS SECTION 10 x 10
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MADE IN U.S.A.

15/17

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AVAILABLE COPY....

200
195
200
195
200
195
200
195
200
195



$C=172.0$
 $F=6.0$

$C=190.0$
 $F=6.1$

$C=188.2$
 $F=5.5$

$C=186.1$
 $F=5.6$

$C=189.0$
 $F=3.6$

$C=200.1$
 $F=1.5$

SHEET TOTAL
 $C=1129.4$ c.y.
 $F=26.3$ c.y.

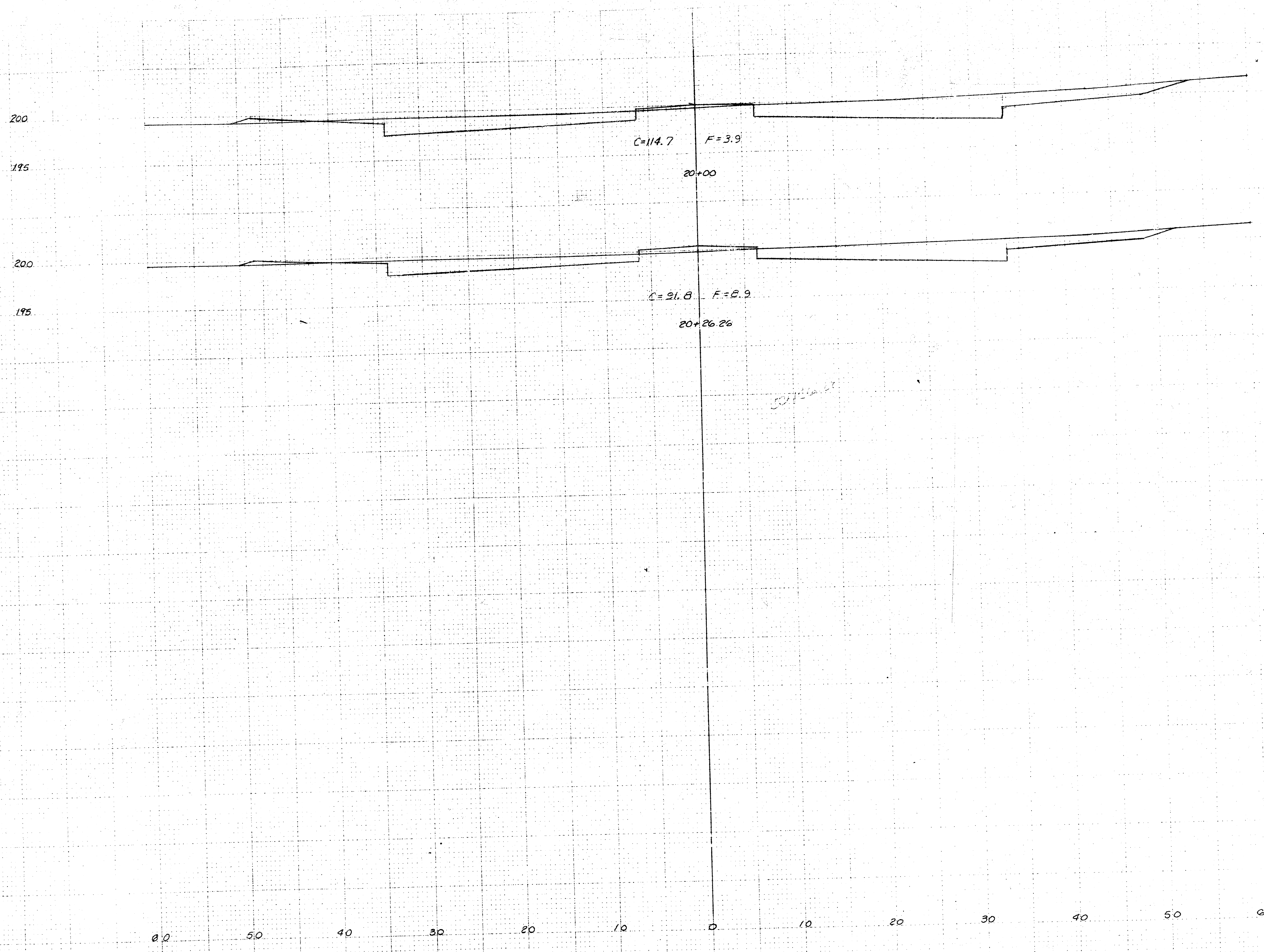
PROJECT DESCRIPTION
CHRISTINE AND MURDOCK

PROJECT NUMBER
472-75-245-90000-000-000-000

NO. 1294, CROSS SECTION 10 x 10
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NO. 1294, CROSS SECTION 10 x 10
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SHEET TOTAL
 C = 412.4 c.y.
 F = 19.7 c.y.

PROJECT TOTAL
 Cut = 9401.7 c.y.
 Fill = 247.5 c.y.

PROJECT DESCRIPTION
 CHRISTINE AND MURDOCK

PROJECT NUMBER
 472-76-243-80000-000-000

14 2 4 1

17/17

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