

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

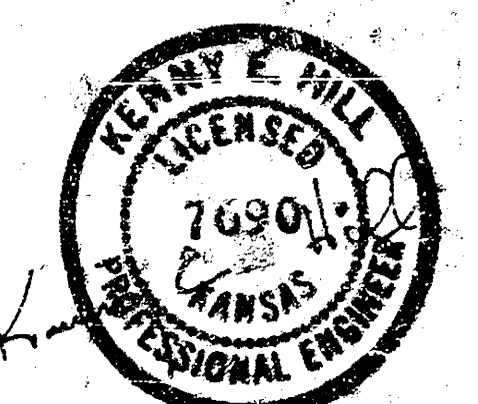
APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers *P.C.S.*
Storm Sewers _____
Driveway Approaches _____

INDEX

Title Sheet-----Sheet 1
Typ. Pavement Details---Sheet 2
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Edgemoor Decel Lane-----Sheet 8
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GENERAL NOTES:

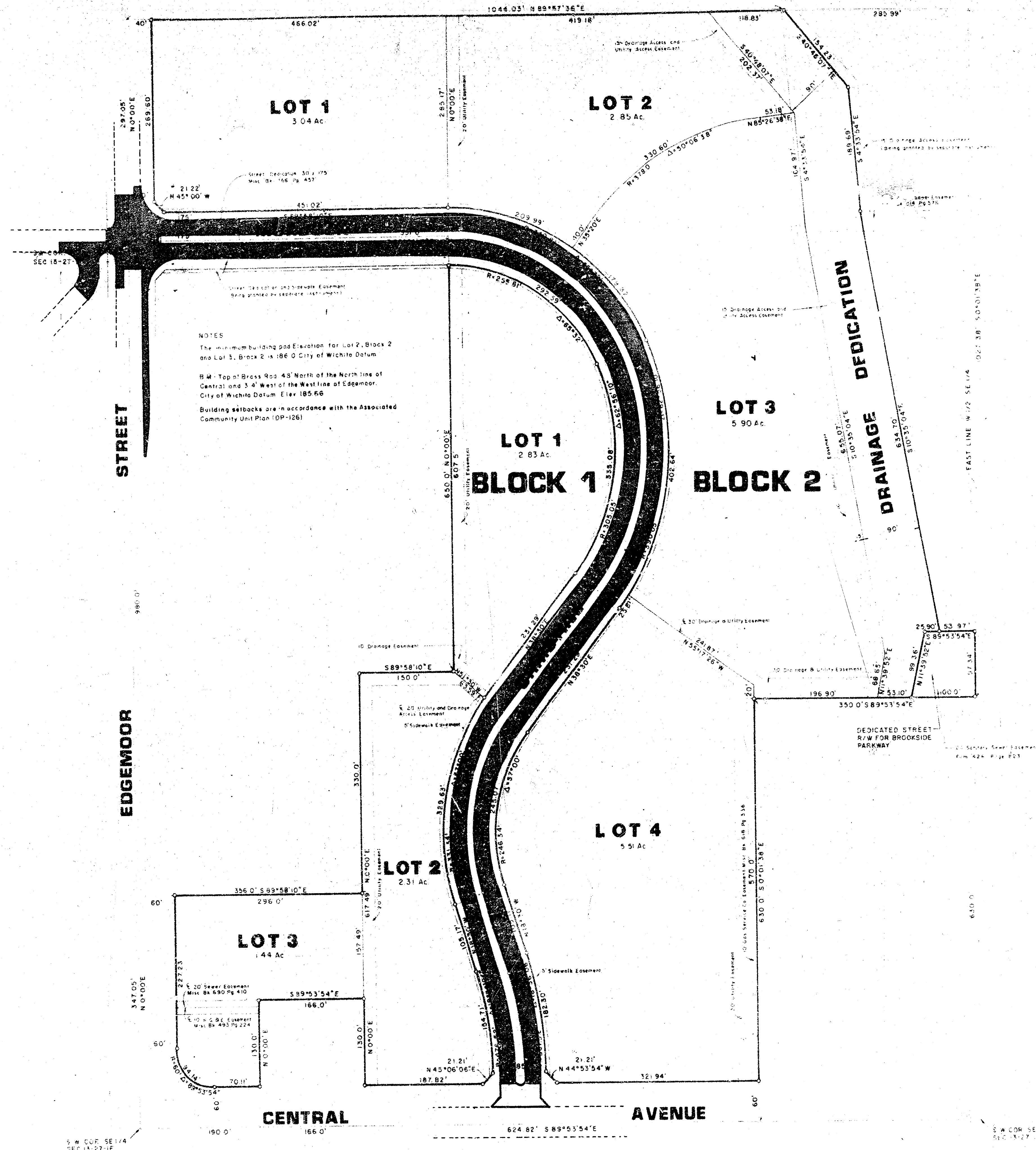
1. All excess excavation from the Street construction shall be used to construct the channel in the Drainage Dedication.



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



Notes:

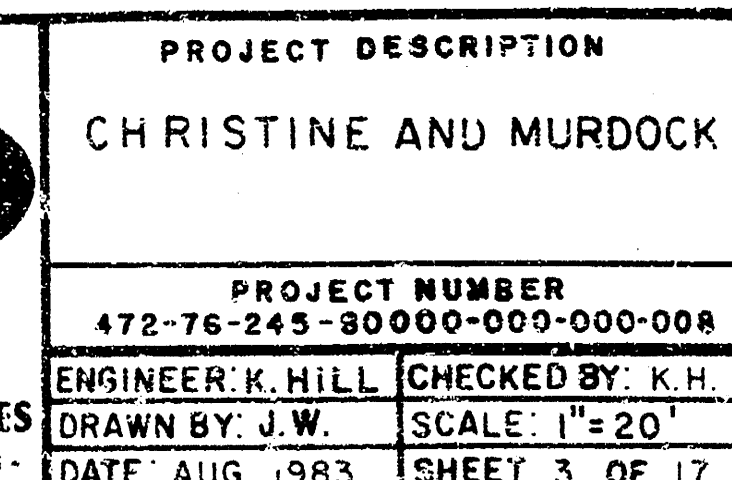
- B.M. #1 Top of Brass Rod 48' North of the North line of Central and 3.4' West of the West line of Edgemoor City of Wichita Datum. Elev. 185.66
- B.M. #2 "4" on bottom flange of fire hydrant, 26' West of A Edgemoor, and 21' North of the Q Murdock. City of Wichita Datum. Elev. 201.81
- STA. 0+85.07 TO R.P. TO FC. TYP. BOTH SIDES
- Proposed Storm Sewer By Others
- Warp to 1/2 Cr.
- STA. 0+65 TO R.P. TO FF.
- Warp to 1/2 Cr.
- Extend 5" Conc. on Gtr. As Shown, Use 3" Bit Base. Paid As Sid. Cb. & Gtr.
- Remove exist. Curb And Constr. 6" A.C. Hook Up w/ Subbase as Shown on Typical Cross Section.
- 30' R (Face)
- Proposed Future Curb
- 0.618% GR. RT. CB.
- 0.424% GR. RT. CB.
- 0.63' WK. GRADE
- 0.48% GR. RT. CB.
- 0.77% GR. RT. CB.
- 0.38% GR. LT. CB.
- 0.62% GR. LT. CB.
- 5' Sidewalk Easement
- 4' Sidewalk
- 2" A.C. Surface 6" Bit. Base
- Comb. Cb. & Gtr.
- Proposed 12" A.C. Water main
- 55 P.V.I. 62' V.C. ELEV. 186.07
- 44.38' P.V.I. 38' V.C. ELEV. 186.07

Curve Data:

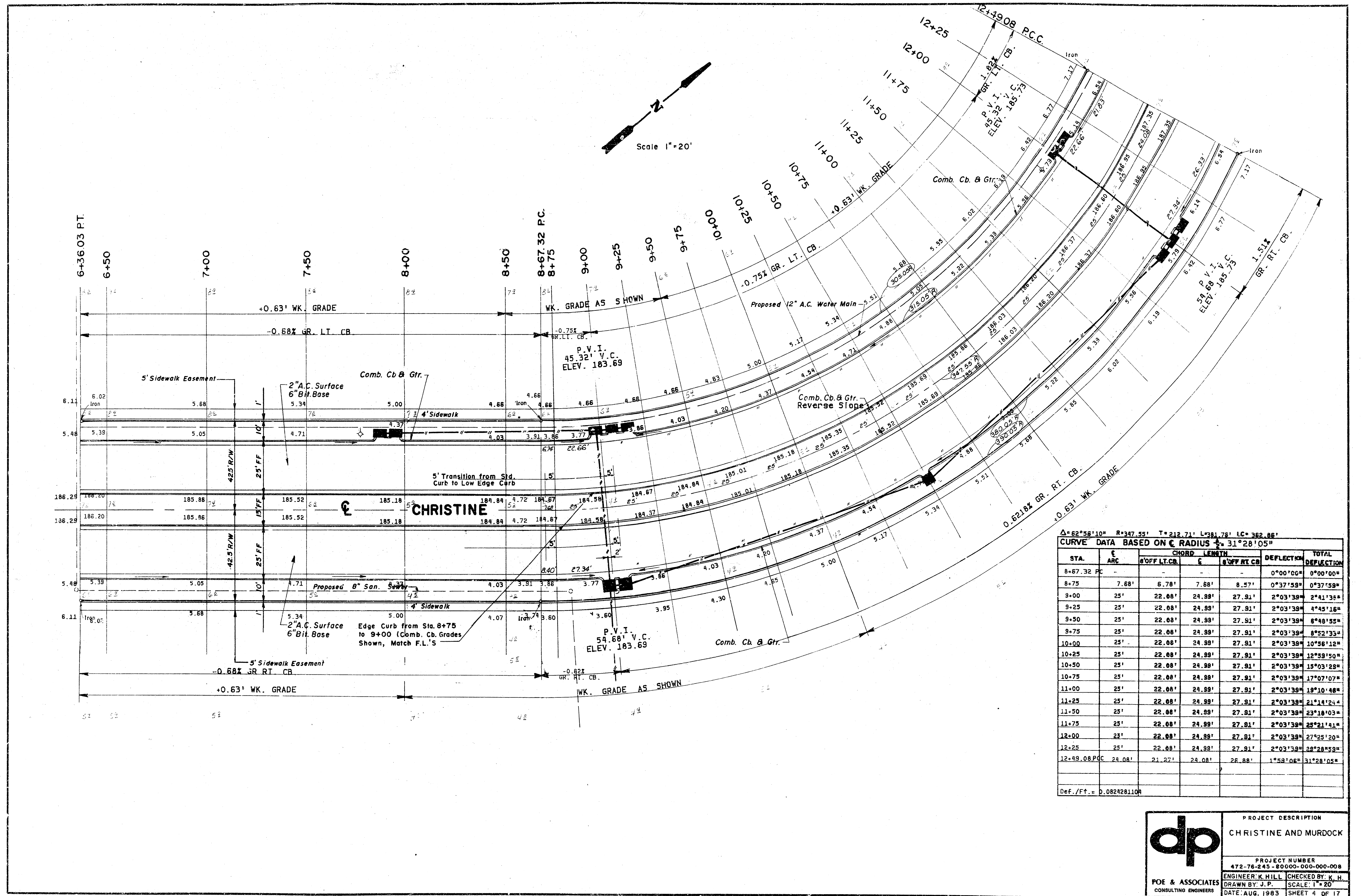
Curve	Radius	Length	Area	Chord	Offset
1	319.02'	174.83'	188.51'	167.27'	18.03'
2	288.84'	156.83'	287.35'	275.65'	28.30'

Δ 57°00'00" R=288.84' T=156.83' L=287.35' LC=275.65'							
CURVE DATA BASED ON C RADIUS $\frac{1}{2}$ - 28°30'00"							
STA.	C ARC	CHORD LENGTH				DEFLECTION	TOTAL DEFLECTION
		OFF LT CB	E	OFF RT CB			
3+48.68 PC		-	-	-	0°00'00"	0°00'00"	
3+75	26.32'	30.00'	26.31'	22.62'	2°36'38"	2°36'38"	
4+00	25'	28.50'	24.99'	21.49'	2°28'46"	5°05'24"	
4+25	25'	28.50'	24.99'	21.49'	2°28'46"	7°34'10"	
4+50	25'	28.50'	24.99'	21.49'	2°28'46"	10°02'57"	
4+75	25'	28.50'	24.99'	21.49'	2°28'46"	12°31'43"	
5+00	25'	28.50'	24.99'	21.49'	2°28'46"	15°00'30"	
5+25	25'	28.50'	24.99'	21.49'	2°28'46"	17°29'16"	
5+50	25'	28.50'	24.99'	21.49'	2°28'46"	19°58'02"	
5+75	25'	28.50'	24.99'	21.49'	2°28'46"	22°26'49"	
6+00	25'	28.50'	24.99'	21.49'	2°28'46"	24°55'35"	
6+25	25'	28.50'	24.99'	21.49'	2°28'46"	27°24'22"	
6+36.03 PT	11.03'	12.57'	11.03'	9.48'	1°05'39"	26°30'00"	
Def./Ft. = 0.03818255'							

Scale: 1" = 20'



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$\Delta = 62^\circ 58' 10''$ $R = 347.55'$ $T = 212.71'$ $L = 381.78'$ $LC = 382.85'$
 CURVE DATA BASED ON Δ RADIUS $\frac{1}{2}$ $31^\circ 28' 05''$

STA.	CHORD	CHORD	CHORD	DEFLECTION	TOTAL
ARC	OFF LT. CB.	LENGTH	OFF RT. CB.		DEFLECTION
8+67.32 PC	-	-	-	0°00'00"	0°00'00"
8+75	7.68'	7.68'	7.68'	0°37'59"	0°37'59"
9+00	22.08'	24.99'	27.91'	2°03'39"	2°41'38"
9+25	25'	22.08'	24.99'	2°03'39"	4°45'16"
9+50	25'	22.08'	24.99'	2°03'39"	6°48'55"
9+75	25'	22.08'	24.99'	2°03'39"	8°52'33"
10+00	25'	22.08'	24.99'	2°03'39"	10°56'12"
10+25	25'	22.08'	24.99'	2°03'39"	12°59'50"
10+50	25'	22.08'	24.99'	2°03'39"	15°03'28"
10+75	25'	22.08'	24.99'	2°03'39"	17°07'07"
11+00	25'	22.08'	24.99'	2°03'39"	19°10'46"
11+25	25'	22.08'	24.99'	2°03'39"	21°14'24"
11+50	25'	22.08'	24.99'	2°03'39"	23°18'03"
11+75	25'	22.08'	24.99'	2°03'39"	25°21'41"
12+00	25'	22.08'	24.99'	2°03'39"	27°25'20"
12+25	25'	22.08'	24.99'	2°03'39"	29°28'59"
12+49.08 PCC	24.08'	21.27'	24.08'	1°58'06"	31°28'05"

Def./Ft. = 0.0824281108

POE & ASSOCIATES
CONSULTING ENGINEERS

PROJECT DESCRIPTION
CHRISTINE AND MURDOCK

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

ENGINEER: K. HILL CHECKED BY: K. H.
 DRAWN BY: J. P. SCALE: 1" = 20'
 DATE: AUG. 1983 SHEET 4 OF 17

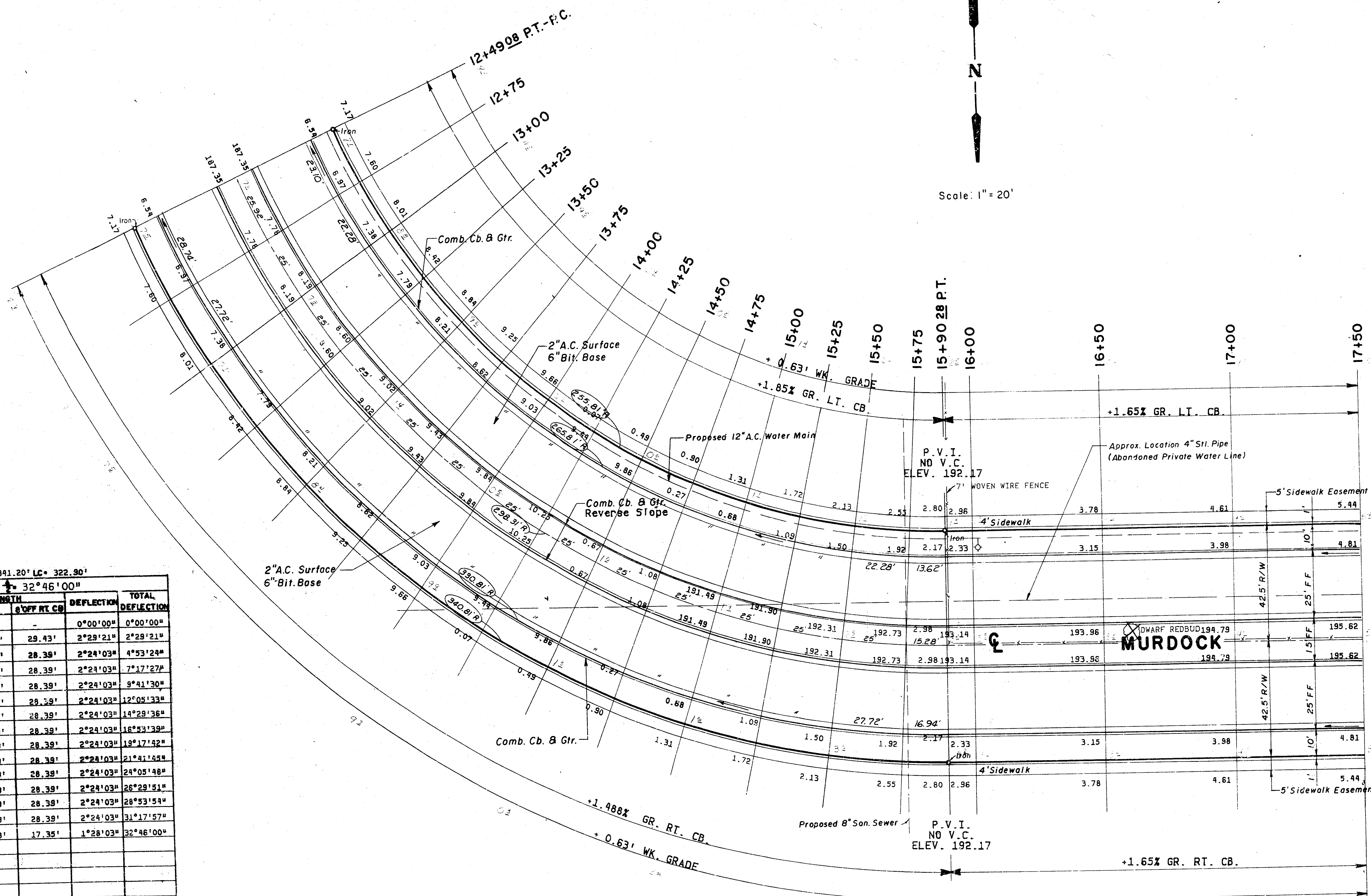
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$\Delta = 65^\circ 32' 00''$ $R = 298.31'$ $T = 192.00'$ $L = 341.20'$ $LC = 322.90'$

CURVE DATA BASED ON C RADIUS $\frac{1}{4} = 32^\circ 46' 00''$

STA.	ARC	CHORD	LENGTH	DEFLECTION	TOTAL 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

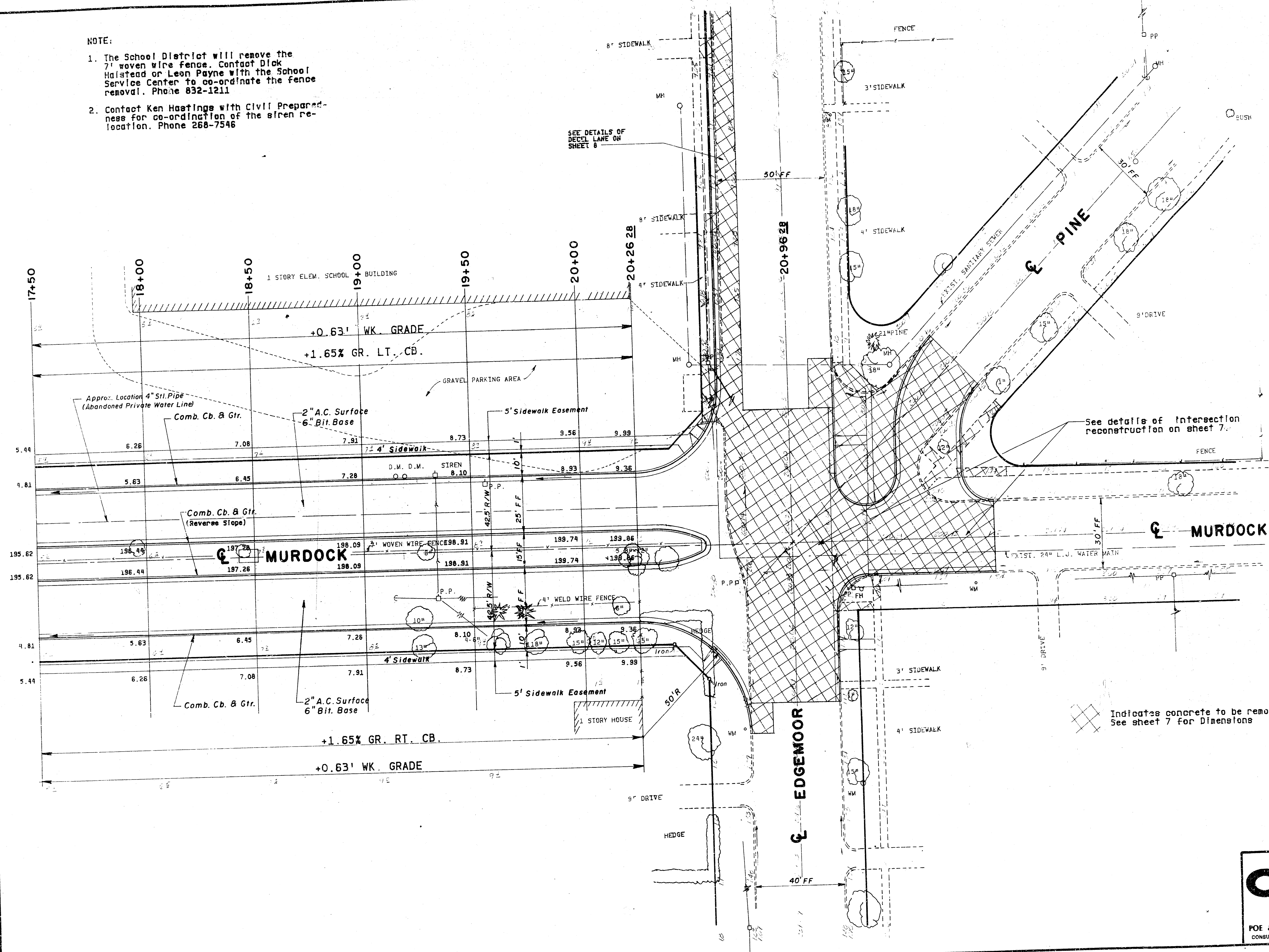


	PROJECT DESCRIPTION	
	CHRISTINE AND MURDOCK	
	PROJECT NUMBER	
	472-76-245-80000-000-000-008	
POE & ASSOCIATES CONSULTING ENGINEERS	ENGINEER K. HILL	CHECKED BY: K. H.
	DRAWN BY: J. W.	SCALE: 1"=20'
	DATE: AUG. 1983	SHEET 5 OF 17

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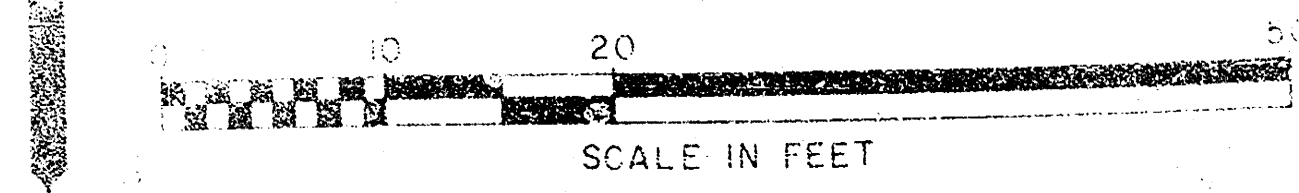
NOTE:

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

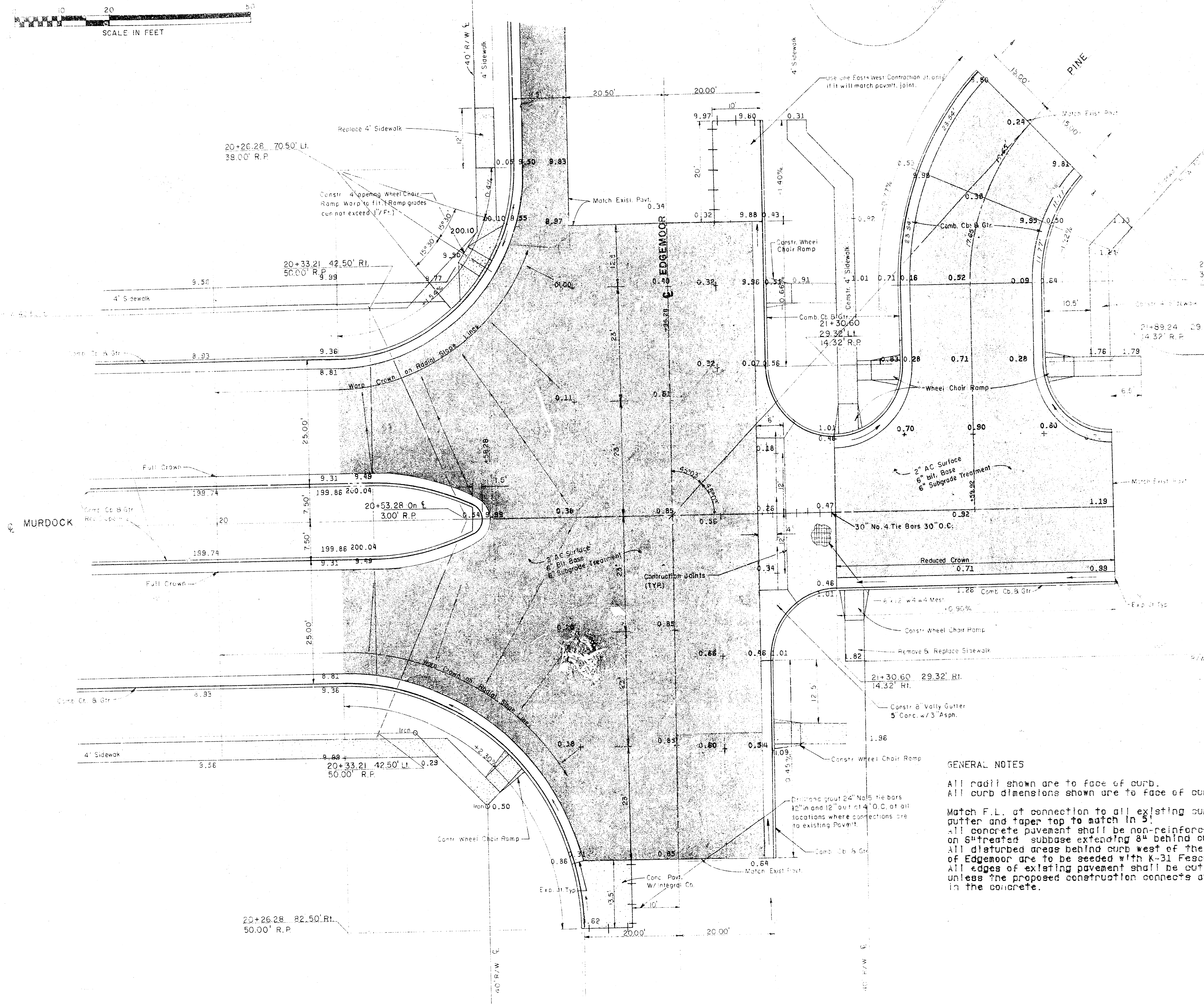


dp POE & ASSOCIATES CONSULTING ENGINEERS	PROJECT DESCRIPTION	
	CHRISTINE AND MURDOCK	
	PINE AND MURDOCK	
	PROJECT NUMBER	
ENGINEER K. HILL DRAWN BY J. W. DATE: AUG. 1983	472-76-245-80000-000-000-008	
	CHECKED BY: K. H.	
	SCALE: 1"=20'	
		SHEET 6 OF 17

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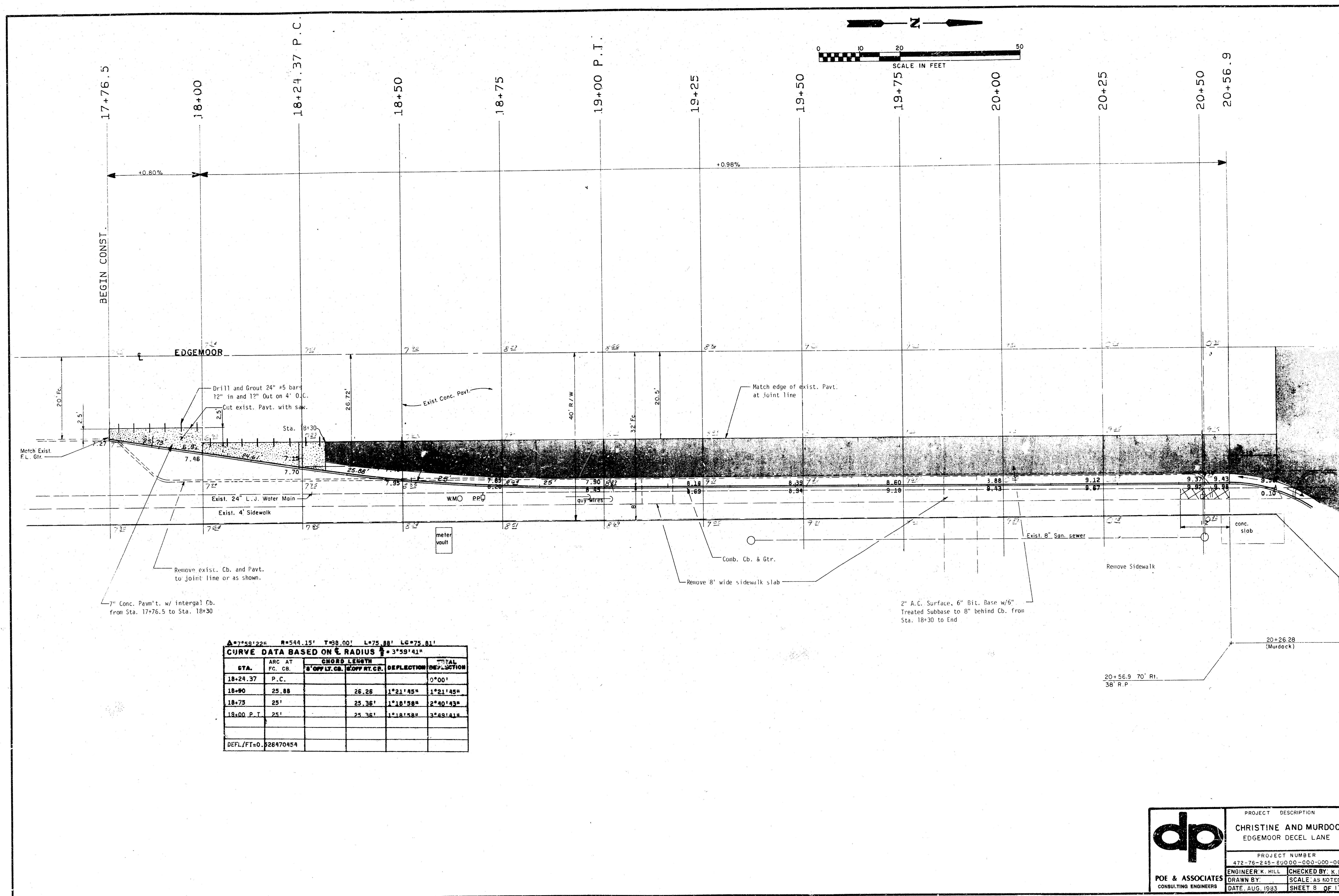


GENERAL NOTES

All radii shown are to face of curb.
 All curb dimensions shown are to face of curb.
 Match F.L. at connection to all existing curb and gutter and taper top to match in 5'.
 All concrete pavement shall be non-reinforced 7" thick on 8" treated subbase extending 8" behind curb.
 All disturbed areas behind curb west of the east line of Edgemoor are to be seeded with K-31 Fescue grass.
 All edges of existing pavement shall be cut with a saw unless the proposed construction connects at a joint in the concrete.

 POL & ASSOCIATES CONSULTING ENGINEERS	PROJECT DESCRIPTION	
	CHRISTINE AND MURDOCK MURDOCK, EDGEMOOR & PINE Intersection Detail	
	PROJECT NUMBER	
	STATE 203 50033 000000000	
ENGINEER K. HILL	CHECKED BY K. HILL	DATE AUG 1983
	DRAWN BY	SCALE AS NOTED
		SHEET 7 OF 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 C RADIUS $R=359'41''$

STA.	ARC AT FC. CB.	CHORD LENGTH A' OFF LY. 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.

POE & ASSOCIATES
CONSULTING ENGINEERS

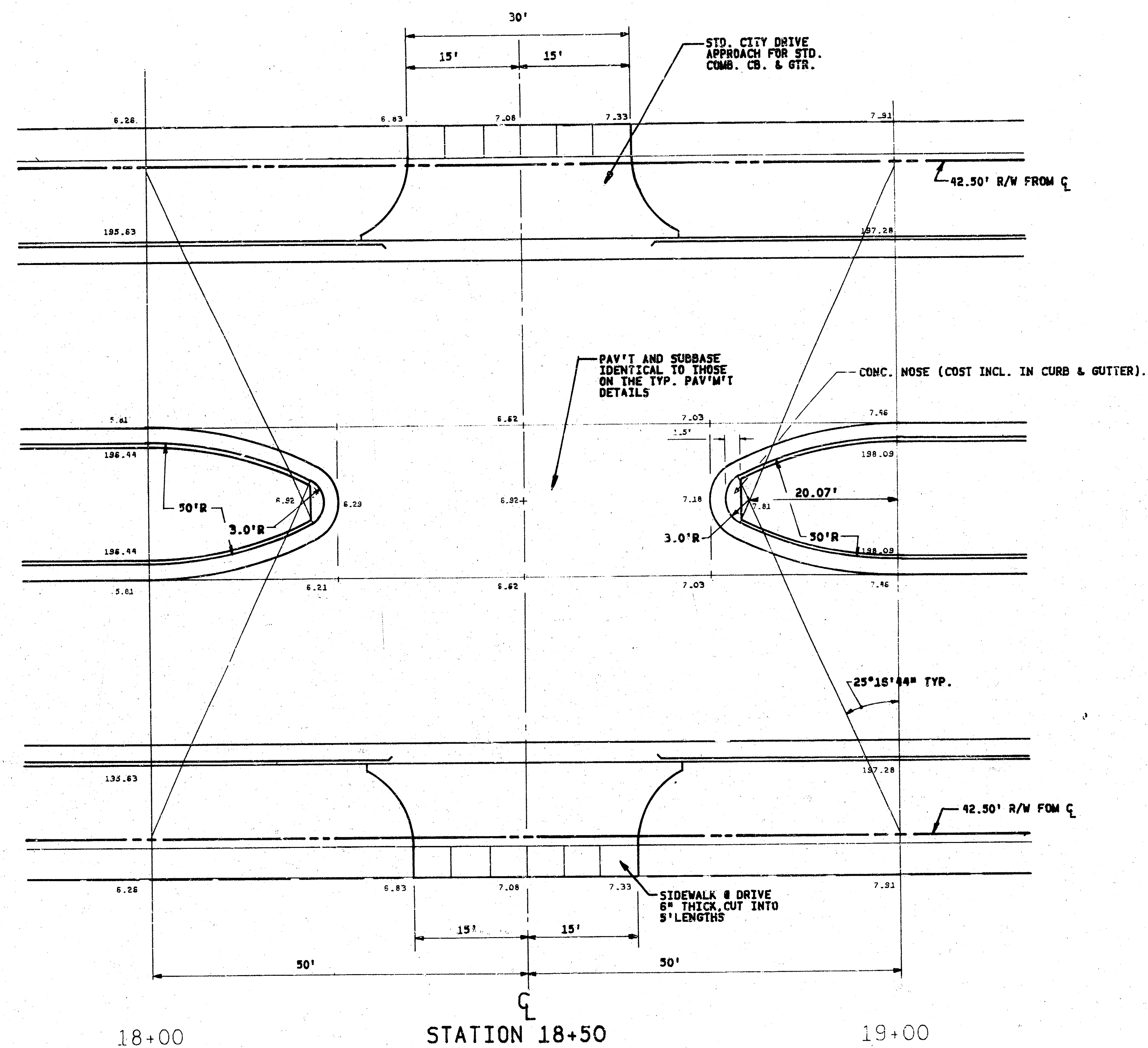
DATE: AUG. 1983

DRAWN BY:

SCALE: AS NOTED

SHEET 8 OF 17

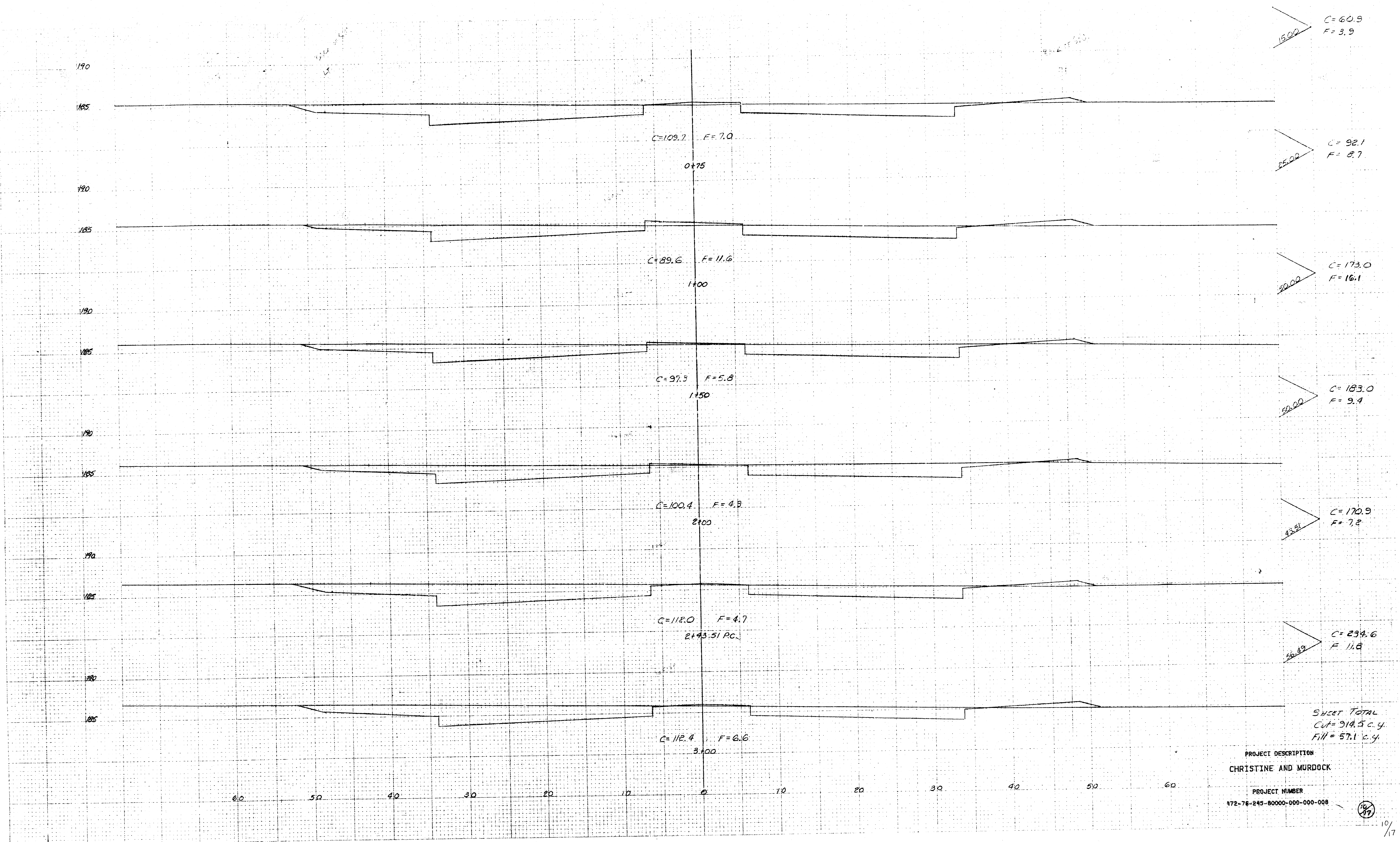
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ALL LOCATIONS MUST BE APPROVED
BY THE TRAFFIC ENGINEER PRIOR TO
CONSTRUCTION.

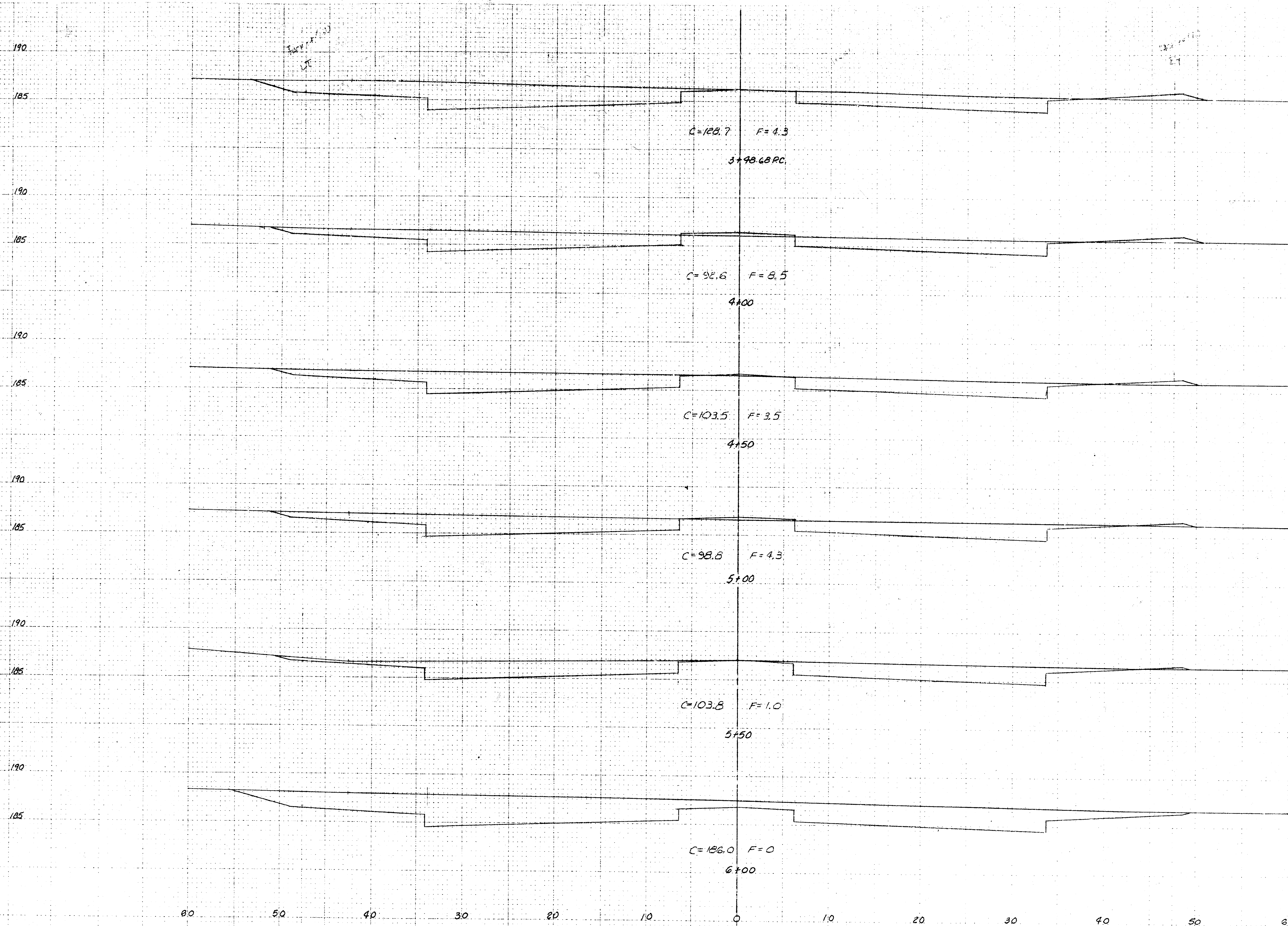
dp POE & ASSOCIATES CONSULTING ENGINEERS	PROJECT DESCRIPTION	
	CHRISTINE AND MURDOCK DRIVE APPROACH DETAILS	
	PROJECT NUMBER	
	472-78-245-80000-000-000-008	
ENGINEER: K. HILL DRAWN BY: J. G. P. DATE: AUG. 1983	CHECKED BY: K. H.	
	SCALE: 1" = 10'	
	SHEET 9 OF 17	

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NO. 1294-CROSS SECTION 10 x 10
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$C = 212.1$
 $F = 9.8$

$C = 210.3$
 $F = 12.2$

$C = 181.4$
 $F = 11.1$

$C = 127.1$
 $F = 7.2$

$C = 187.4$
 $F = 4.9$

$C = 268.1$
 $F = 2.9$

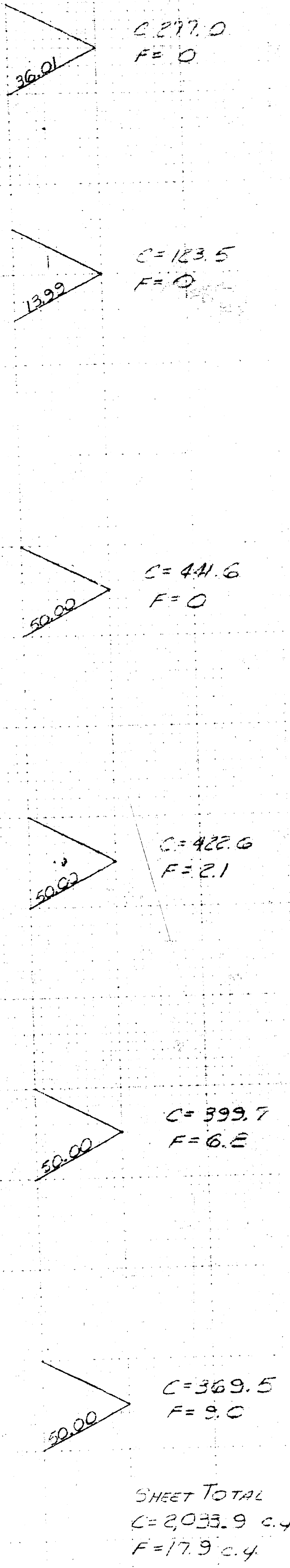
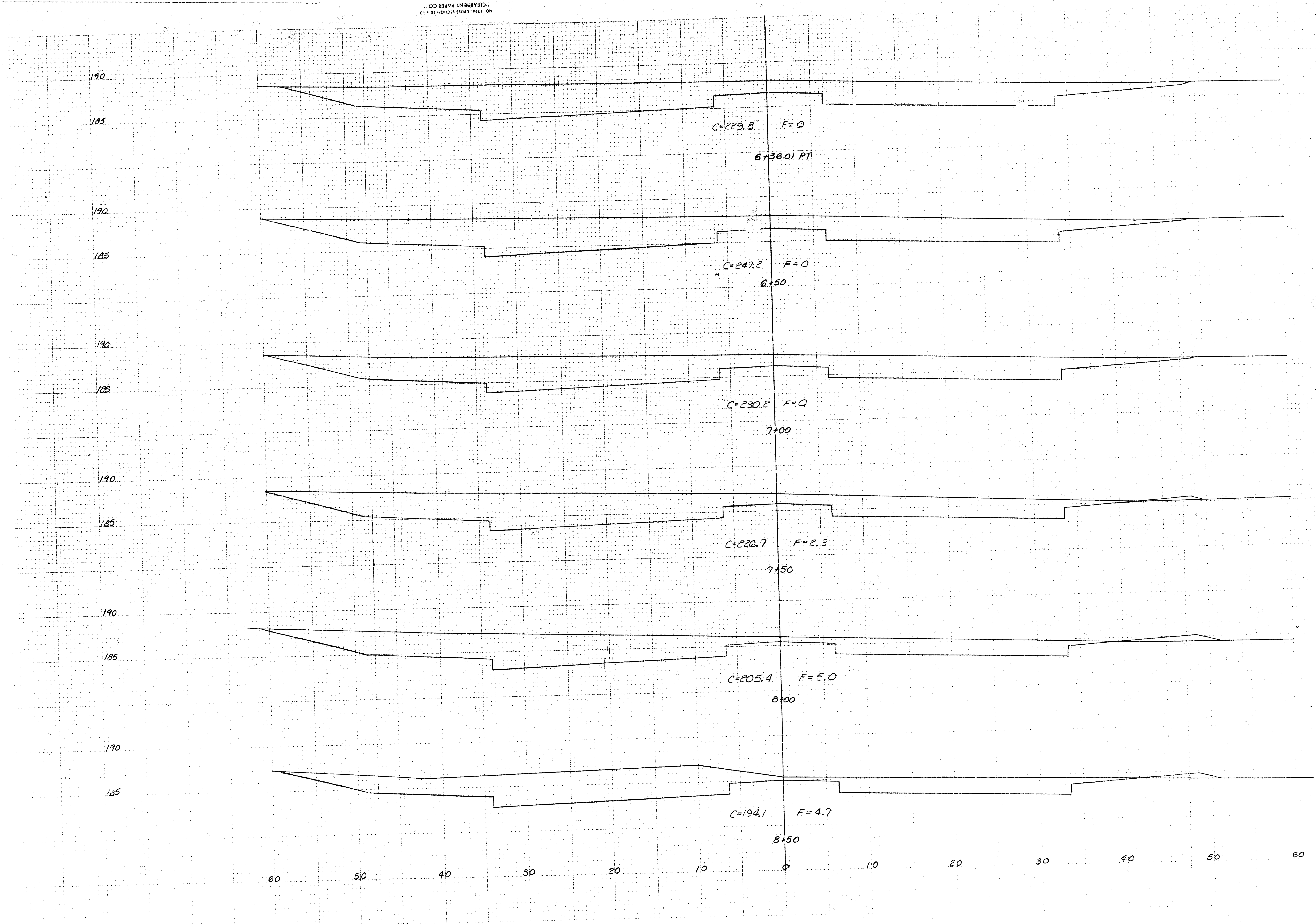
SHEET TOTAL
 $C = 1251.4$ c.y.
 $F = 46.1$ c.y.

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

11/17

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10 1/2" X 14" (254 X 354 mm)

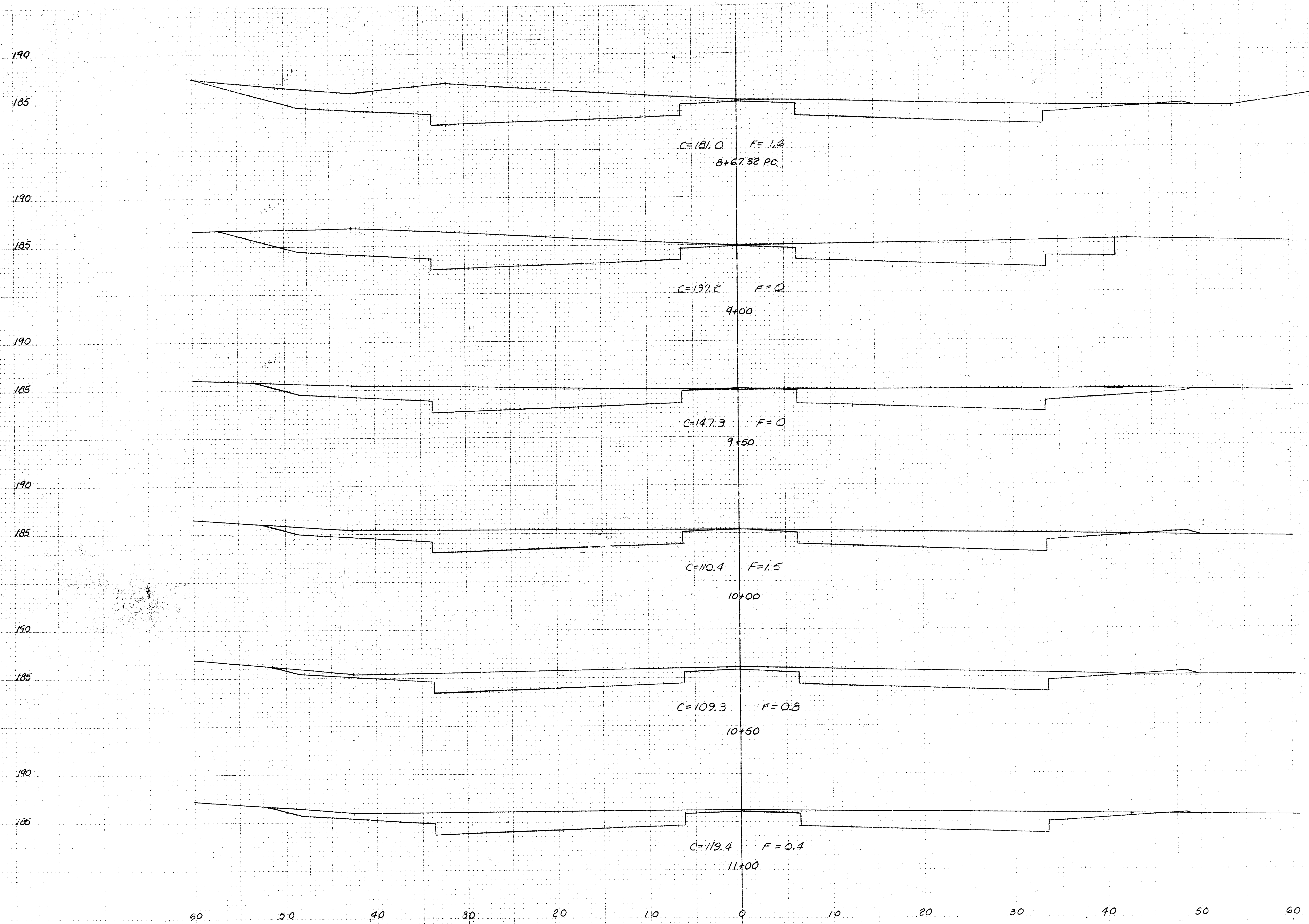


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NO. 1394-CROSS SECTION 15.10

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CLEARPRINT PAPER CO.
NO. 1394-CROSS SECTION 15.10



$C=180.2$
 $F=2.0$

$C=228.7$
 $F=1.0$

$C=318.7$
 $F=0$

$C=258.4$
 $F=1.4$

$C=203.2$
 $F=2.1$

$C=211.6$
 $F=1.1$

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

PROJECT DESCRIPTION
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PROJECT NUMBER
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14/17

13/17

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190

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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.

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NO. 1344 CROSS SECTION 10 x 10
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195

190

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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

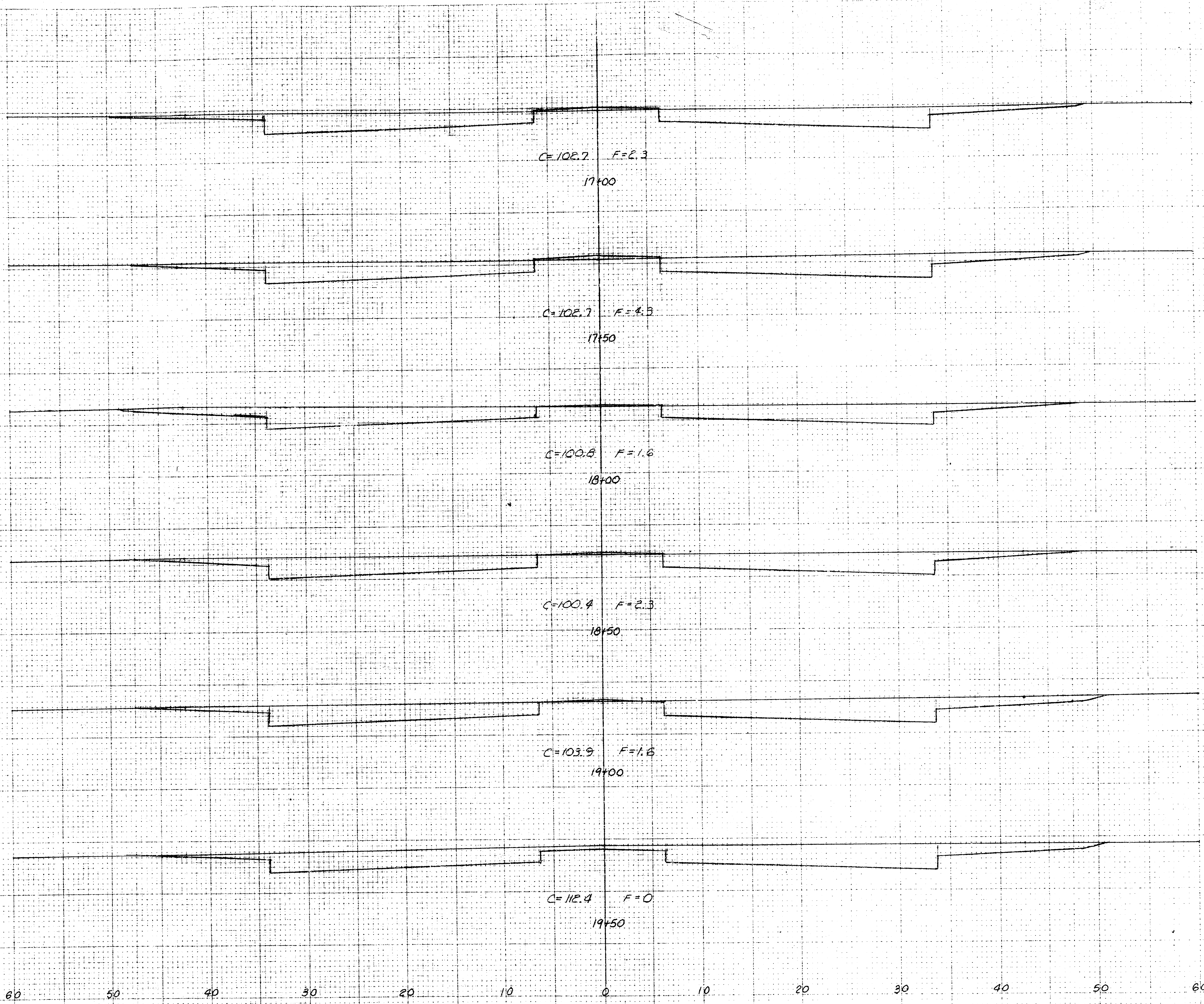
16+50

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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15/17

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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=3.6

C=189.0
F=3.6

C=200.1
F=1.5

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

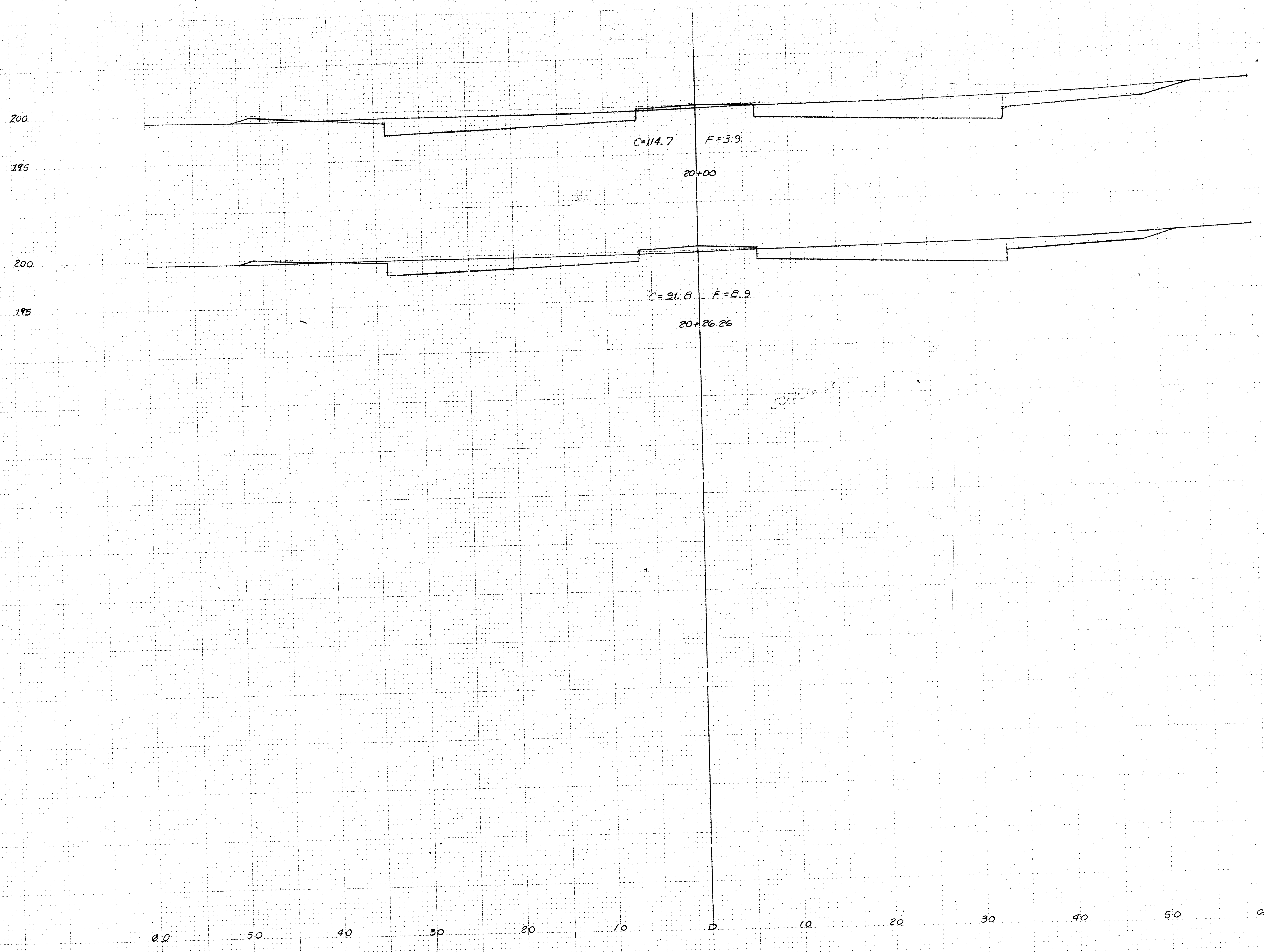
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CHRISTINE AND MURDOCK

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

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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

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