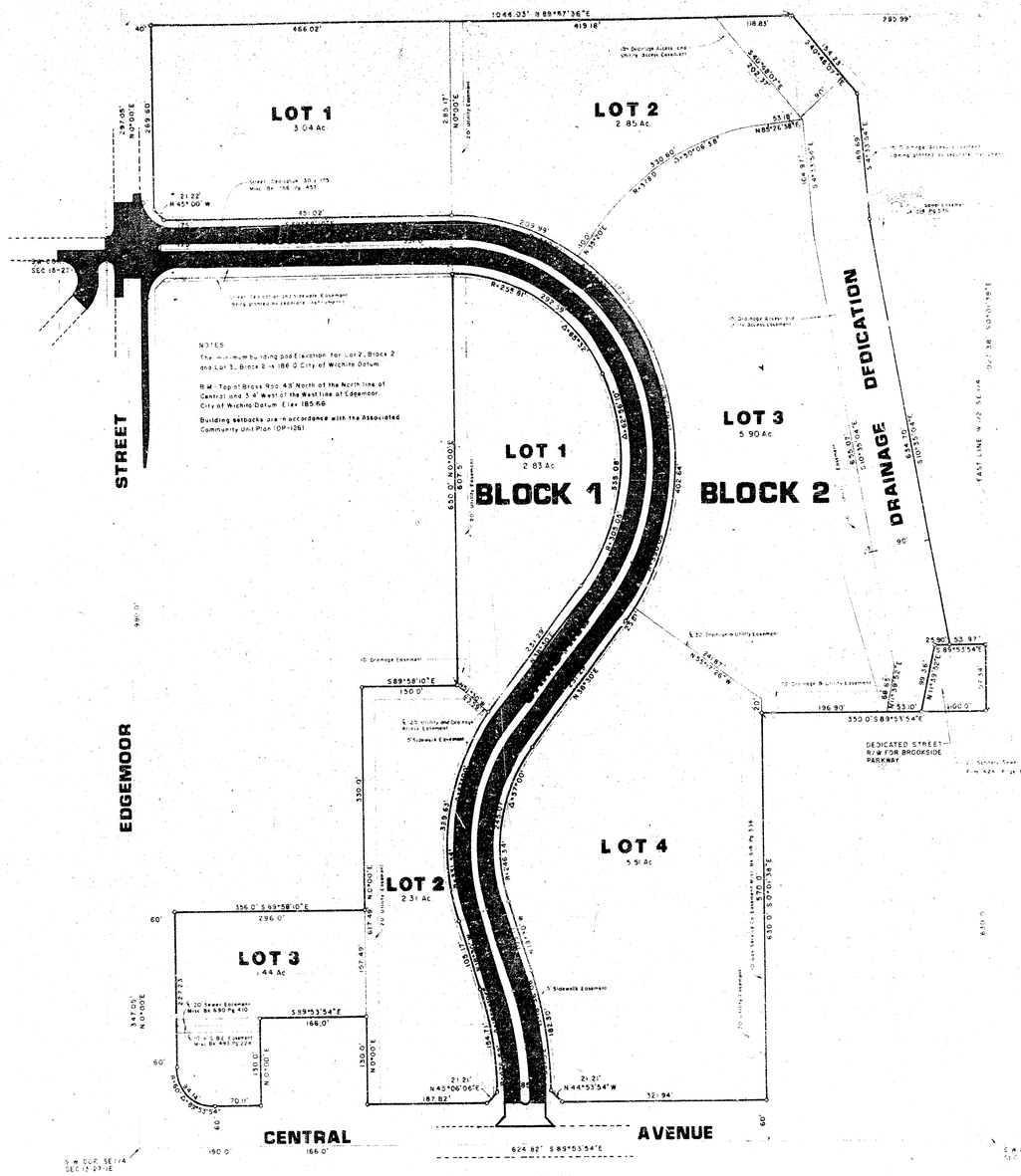


STREET IMPROVEMENTS
CENTRAL AVENUE PLAZA
CITY OF
WICHITA, KANSAS

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 pay the City of Wichita for all costs of inspection.

8-30-83

APPROVED AS NOTED
By CITY ENGINEER OF WICHITA
Sanitary Sewers D.C.L.
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
Cross Sections ------------Sheet 10-17

GENERAL NOTES:

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

KENNY E. HILL LICENSED 7690 KANSAS PROFESSIONAL ENGINEER

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS

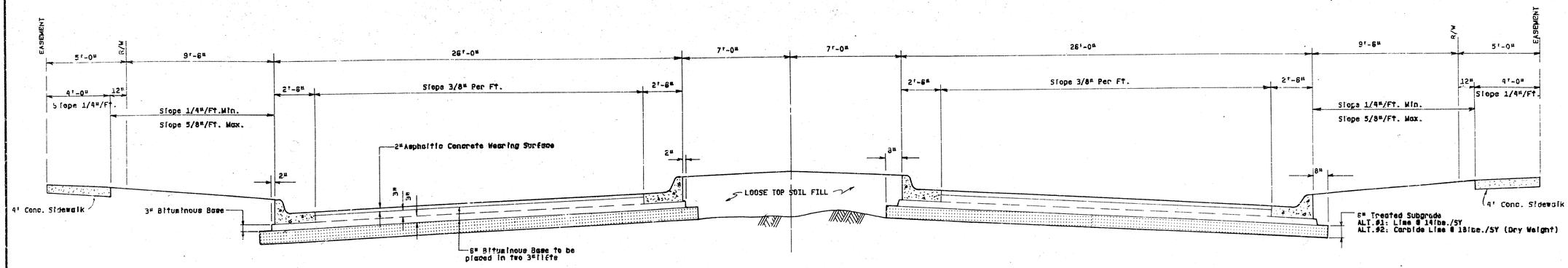
THE CONTRACTOR WILL PROVIDE ALL CONSTRUCTION STAKING ON THIS PROJECT.

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 LICENCED LAND SURVEYOR OR A LICENCED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

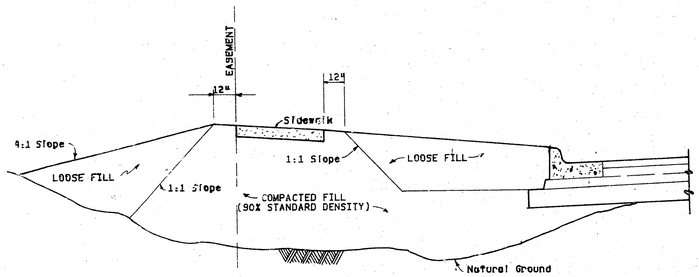
1/17

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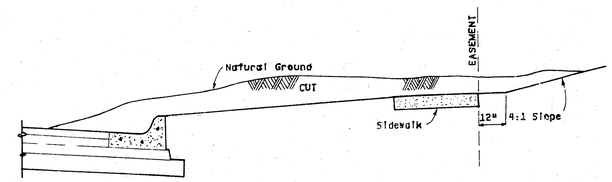
TYPICAL PAVEMENT DETAILS



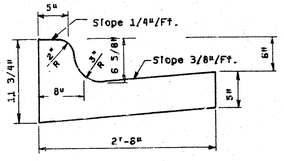
TRANSVERSE SECTION



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	–	–	–	–	0.81	0.90	1.00	1.09	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

GENERAL NOTES

1) The asphaltic concrete pavement beteen the combined curb and gutter shall be paid as square yards of 3" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).

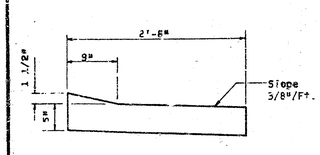
2) The bituminous base under and behind the combined curb and gutter shall be paid as square yards of 3" BITUMINOUS BASE.

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.

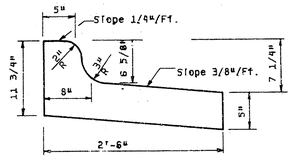
4) Bituminous base and asphaltic concrete wearing surface shall be placed with a laydown machine having automatic controls for line and grade.

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.

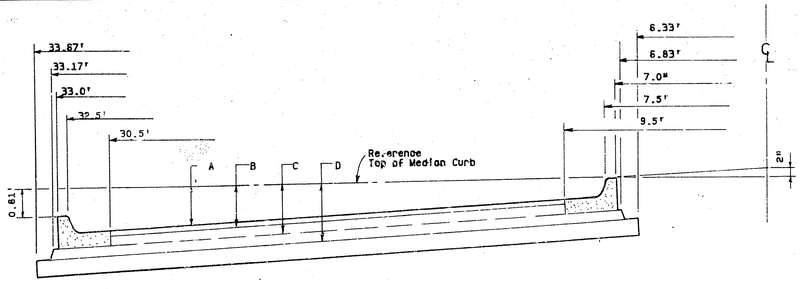
6) Contractor to bid only one subgrade treatment alternate when alternates are provided in the proposal and contract. The alternate chosen by the successful bidder shall be used in constructiong this project.



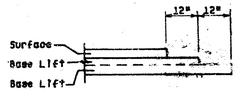
LOW EDGE
COMBINED CURB & GUTTER



REVERSE SLOPE
COMBINED CURB & GUTTER



ELEVATION OFFSETS



Transverse construction joints shall be constructed in flexible base pavement 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 yard 3"ASPHALTIC CONCRETE (6" BITUMINOUS BASE).

TRANSVERSE CONSTRUCTION JOINTS

POE & ASSOCIATES
CONSULTING ENGINEERS

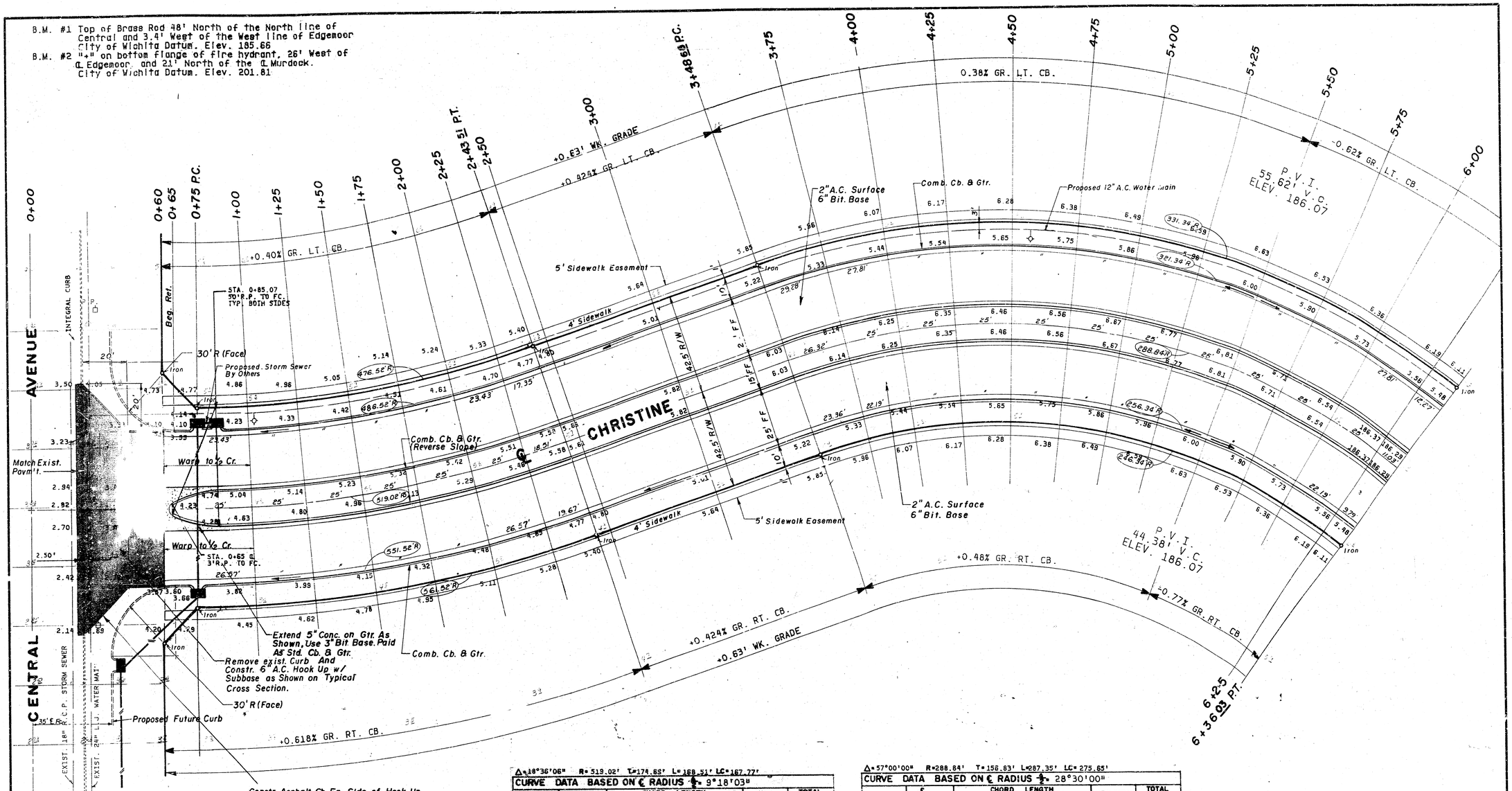
PROJECT DESCRIPTION	CHRISTINE AND MURDOCK Typical Pavement Details
PROJECT NUMBER	472-76-245-80CC0-000-000-008
ENGINEER: K. HILL	CHECKED BY: K. H.
DRAWN BY: J.W.	SCALE: NONE
DATE: AUG. 1983	SHEET 2 OF 17

2/17

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 Edgemoor City of Wichita Datum. Elev. 185.66

B.M. #2 "+" on bottom flange of fire hydrant, 26' West of ℄ Edgemoor and 21' North of the ℄ Murdock. City of Wichita Datum. Elev. 201.81



Δ=18°36'08" R=519.02' T=170.65' L=168.51' LC=167.77'

CURVE DATA BASED ON ℄ RADIUS ½ Δ 9°18'03"

STA.	℄ ARC	CHORD LENGTH 8'OFF LT.CB.	CHORD LENGTH ℄	CHORD LENGTH 8'OFF RT CB	DEFLECTION	TOTAL DEFLECTION
0+75 PC	-	-	-	-	0°00'00"	0°00'00"
1+00	25'	23.04'	24.99'	26.94'	1°22'48"	1°22'48"
1+25	25'	23.04'	24.99'	26.94'	1°22'48"	2°45'35"
1+50	25'	23.04'	24.99'	26.94'	1°22'48"	4°08'23"
1+75	25'	23.04'	24.99'	26.94'	1°22'48"	5°31'11"
2+00	25'	23.04'	24.99'	26.94'	1°22'48"	6°53'58"
2+25	25'	23.04'	24.99'	26.94'	1°22'48"	8°16'46"
2+43.51 PT	18.51'	17.06'	18.51'	19.95'	1°01'18"	9°18'03"
Def./Ft.=	0.055196191					

Δ=57°00'00" R=288.84' T=156.83' L=287.35' LC=275.65'

CURVE DATA BASED ON ℄ RADIUS ½ Δ 28°30'00"

STA.	℄ ARC	CHORD LENGTH 8'OFF LT.CB.	CHORD LENGTH ℄	CHORD LENGTH 8'OFF RT CB	DEFLECTION	TOTAL DEFLECTION
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°05'38"	28°30'00"
Def./Ft.=	0.09918255?					

N

Scale: 1"=20'

dp
POE & ASSOCIATES
CONSULTING ENGINEERS

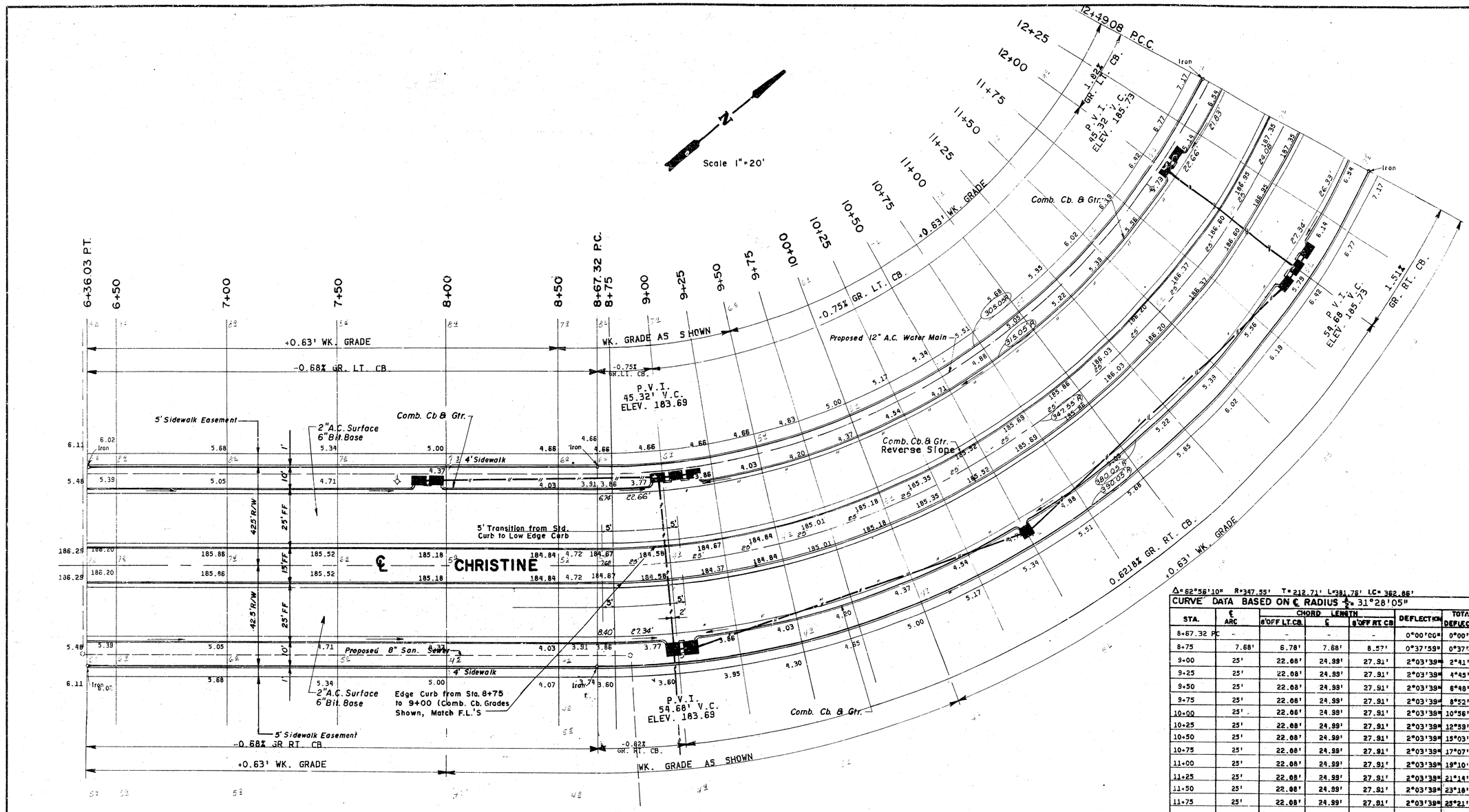
PROJECT DESCRIPTION
CHRISTINE AND MURDOCK

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

ENGINEER: K. HILL	CHECKED BY: K.H.
DRAWN BY: J.W.	SCALE: 1"=20'
DATE: AUG. 1983	SHEET 3 OF 17

3/17

FILMED FROM THE BEST AVAILABLE COPY....



Δ=62°58'10" R=347.55' T=212.71' L=381.78' LC=362.86'

CURVE DATA BASED ON ℄ RADIUS = 31°28'05"

STA.	℄ ARC	CHORD LENGTH 6'OFF LT.CB.	℄	6'OFF RT.CB.	DEFLECTION	TOTAL DEFLECTION
8+67.32 PC	-	-	-	-	0°00'00"	0°00'00"
8+75	7.68'	6.78'	7.68'	8.57'	0°37'59"	0°37'59"
9+00	25'	22.08'	24.99'	27.91'	2°03'39"	2°41'38"
9+25	25'	22.08'	24.99'	27.91'	2°03'39"	4°45'16"
9+50	25'	22.08'	24.99'	27.91'	2°03'39"	6°48'55"
9+75	25'	22.08'	24.99'	27.91'	2°03'39"	8°52'35"
10+00	25'	22.08'	24.99'	27.91'	2°03'39"	10°56'12"
10+25	25'	22.08'	24.99'	27.91'	2°03'39"	12°59'50"
10+50	25'	22.08'	24.99'	27.91'	2°03'39"	15°03'28"
10+75	25'	22.08'	24.99'	27.91'	2°03'39"	17°07'07"
11+00	25'	22.08'	24.99'	27.91'	2°03'39"	19°10'46"
11+25	25'	22.08'	24.99'	27.91'	2°03'39"	21°14'24"
11+50	25'	22.08'	24.99'	27.91'	2°03'39"	23°18'03"
11+75	25'	22.08'	24.99'	27.91'	2°03'39"	25°21'41"
12+00	23'	22.08'	24.99'	27.91'	2°03'39"	27°25'20"
12+25	25'	22.08'	24.99'	27.91'	2°03'39"	29°28'59"
12+49.08 PCC	24.08'	21.27'	24.08'	26.88'	1°58'06"	31°28'05"
Def./Ft.=	0.0824281104					

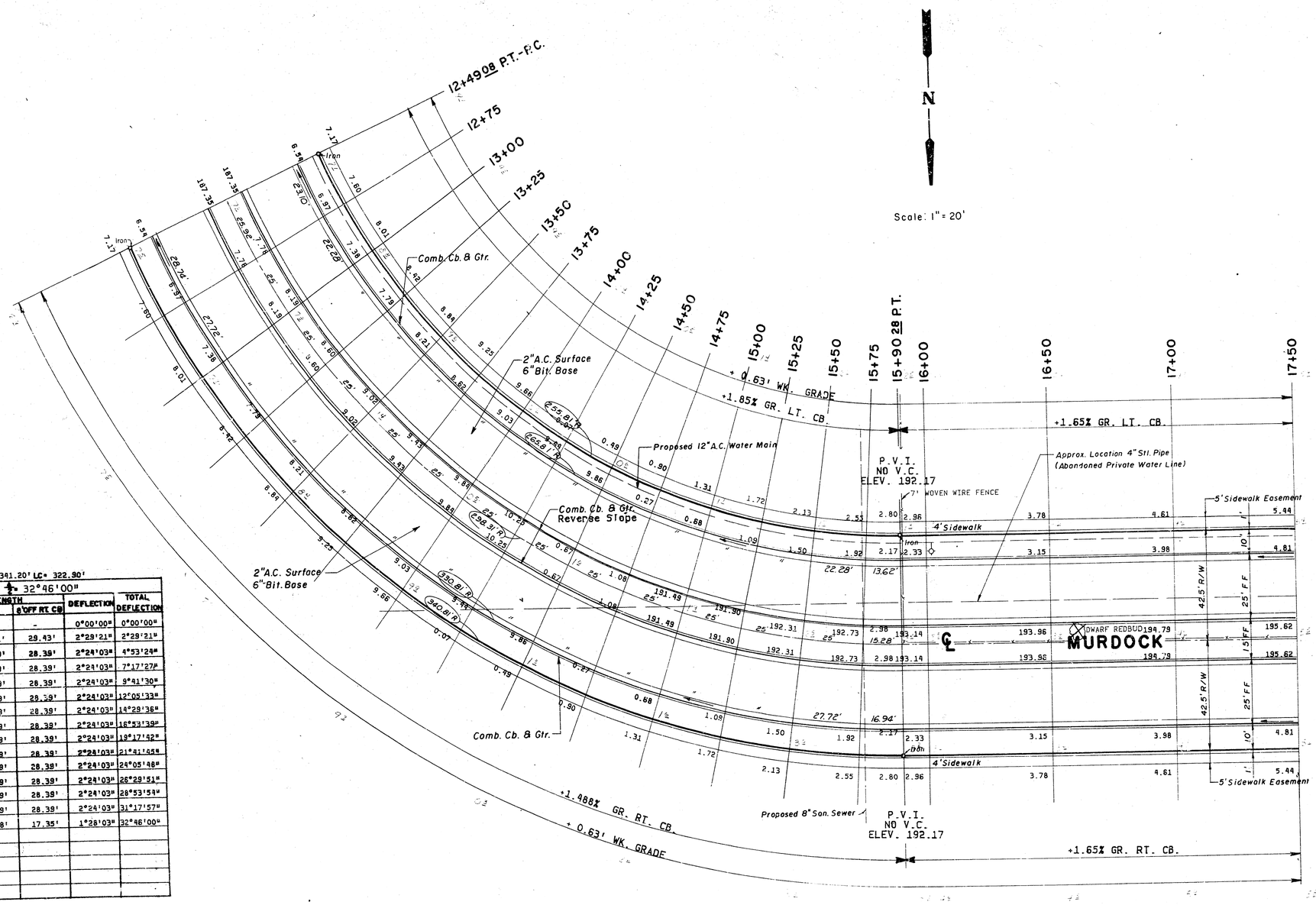
POE & ASSOCIATES
CONSULTING ENGINEERS

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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Δ = 85°32'00" R = 298.31' T = 192.00' L = 341.20' LC = 322.90'

CURVE DATA BASED ON ℄ RADIUS = 32°46'00"

STA.	℄ ARC	CHORD LENGTH 8'OFF LT. CB.	CHORD LENGTH ℄	CHORD LENGTH 8'OFF RT. CB.	DEFLECTION	TOTAL DEFLECTION
12+49.08 PCC	-	-	-	-	0°00'00"	0°00'00"
12+75	25.92'	22.38'	25.91'	28.43'	2°29'21"	2°29'21"
13+00	25'	21.60'	24.98'	28.35'	2°24'03"	4°53'24"
13+25	25'	21.60'	24.98'	28.39'	2°24'03"	7°17'27"
13+50	25'	21.60'	24.99'	28.39'	2°24'03"	9°41'30"
13+75	25'	21.60'	24.99'	28.39'	2°24'03"	12°05'33"
14+00	25'	21.60'	24.99'	28.39'	2°24'03"	14°29'36"
14+25	25'	21.60'	24.99'	28.39'	2°24'03"	16°53'39"
14+50	25'	21.60'	24.99'	28.39'	2°24'03"	19°17'42"
14+75	25'	21.60'	24.99'	28.39'	2°24'03"	21°41'45"
15+00	25'	21.60'	24.99'	28.39'	2°24'03"	24°05'48"
15+25	25'	21.60'	24.99'	28.39'	2°24'03"	26°29'51"
15+50	25'	21.60'	24.99'	28.39'	2°24'03"	28°53'54"
15+75	25'	21.60'	24.99'	28.39'	2°24'03"	31°17'57"
15+90.28	15.28'	13.20'	15.28'	17.35'	1°28'03"	32°46'00"
Def./Ft.=	0.0980339571					

POE & ASSOCIATES
CONSULTING ENGINEERS

PROJECT DESCRIPTION
CHRISTINE AND MURDOCK

PROJECT NUMBER
472-76-245-80060-000-000-008

ENGINEER: K. HILL	CHECKED BY: K. H.
DRAWN BY: J. W.	SCALE: 1" = 20'
DATE: AUG. 1983	SHEET 5 OF 17

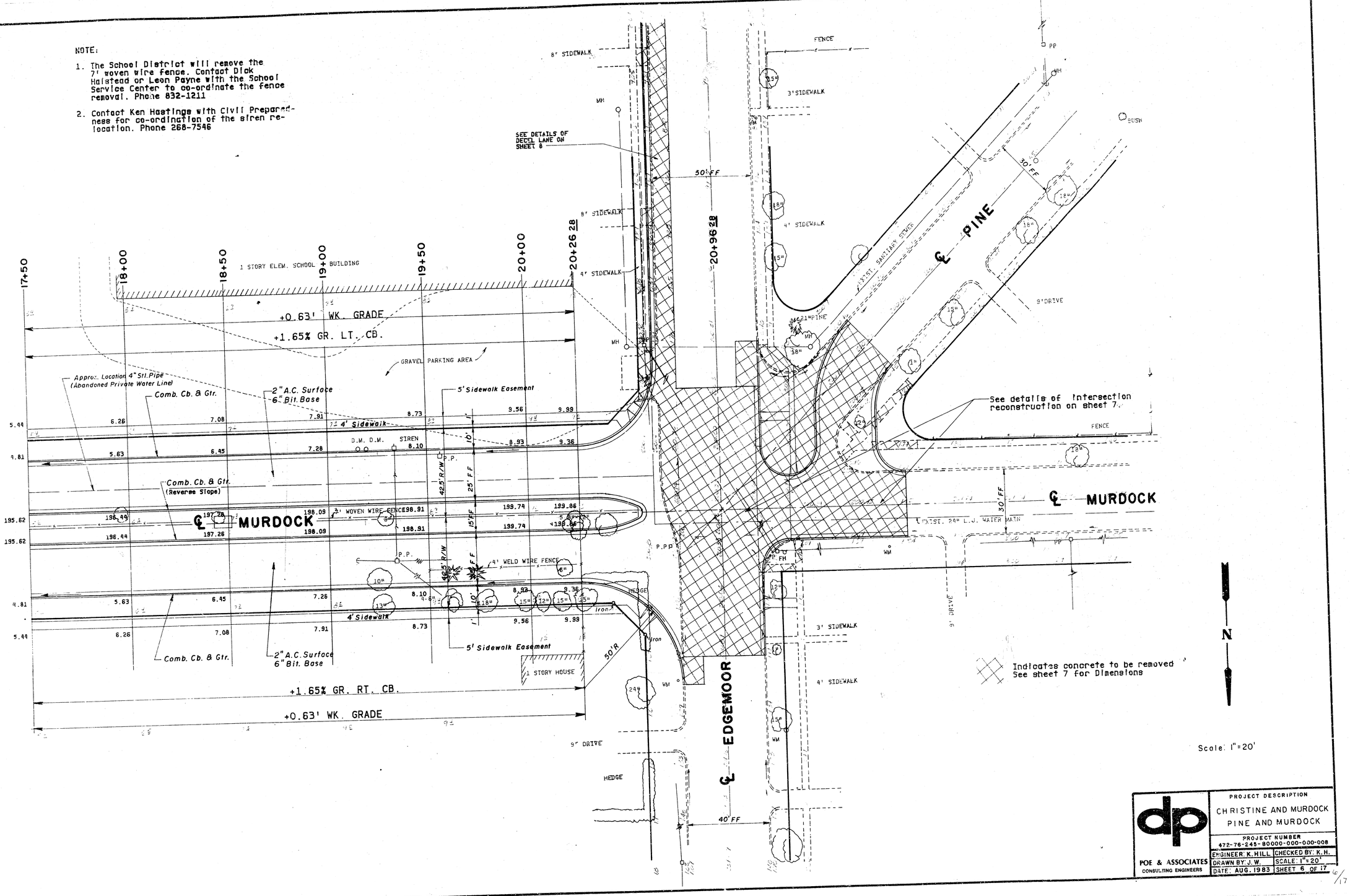
5/17

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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



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

6/17

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SCALE IN FEET

N

MURDOCK

EDGEMOOR

PINE

20+26.28 70.50' Lt.
38.00' R.P.

20+33.21 42.50' Rt.
50.00' R.P.

20+53.28 On ℄
3.00' R.P.

21+30.60 29.32' Lt.
14.32' R.P.

21+30.60 29.32' Rt.
14.32' Rt.

20+26.28 82.50' Rt.
50.00' R.P.

22+04.92 48.30' Lt.
30.00' R.P.

21+89.24 29.32' Lt.
14.32' R.P.

Replace 4' Sidewalk

Match Exist. Pavt.

Constr. 4' opening Wheel Chair Ramp. Warp to fit. Ramp grades can not exceed 1' Ft.

Warp Crown on Radial Slope Lines

Full Crown

Reduced Crown

Comb. Cb. & Gtr.

Constr. Wheel Chair Ramp

Wheel Chair Ramp

2" AC Surface
6" Bit. Base
6" Subgrade Treatment

30" No. 4 Tie Bars 30" O.C.

Construction Joints (TYP.)

Use the East-West Contraction Joint only if it will match pavmt. joint.

Remove & Replace Sidewalk

Constr. 8" Valley Gutter 5 Conc. w/3" Aspn.

Drill and grout 24" No. 5 tie bars 12" in and 12" out at 4'-0" O.C. at all locations where connections are to existing Pavmt.

Conc. Pavt. W/ Integral Cb.

Match Exist. Pavt.

Exp. Jt. Typ.

Iron

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 6" 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.

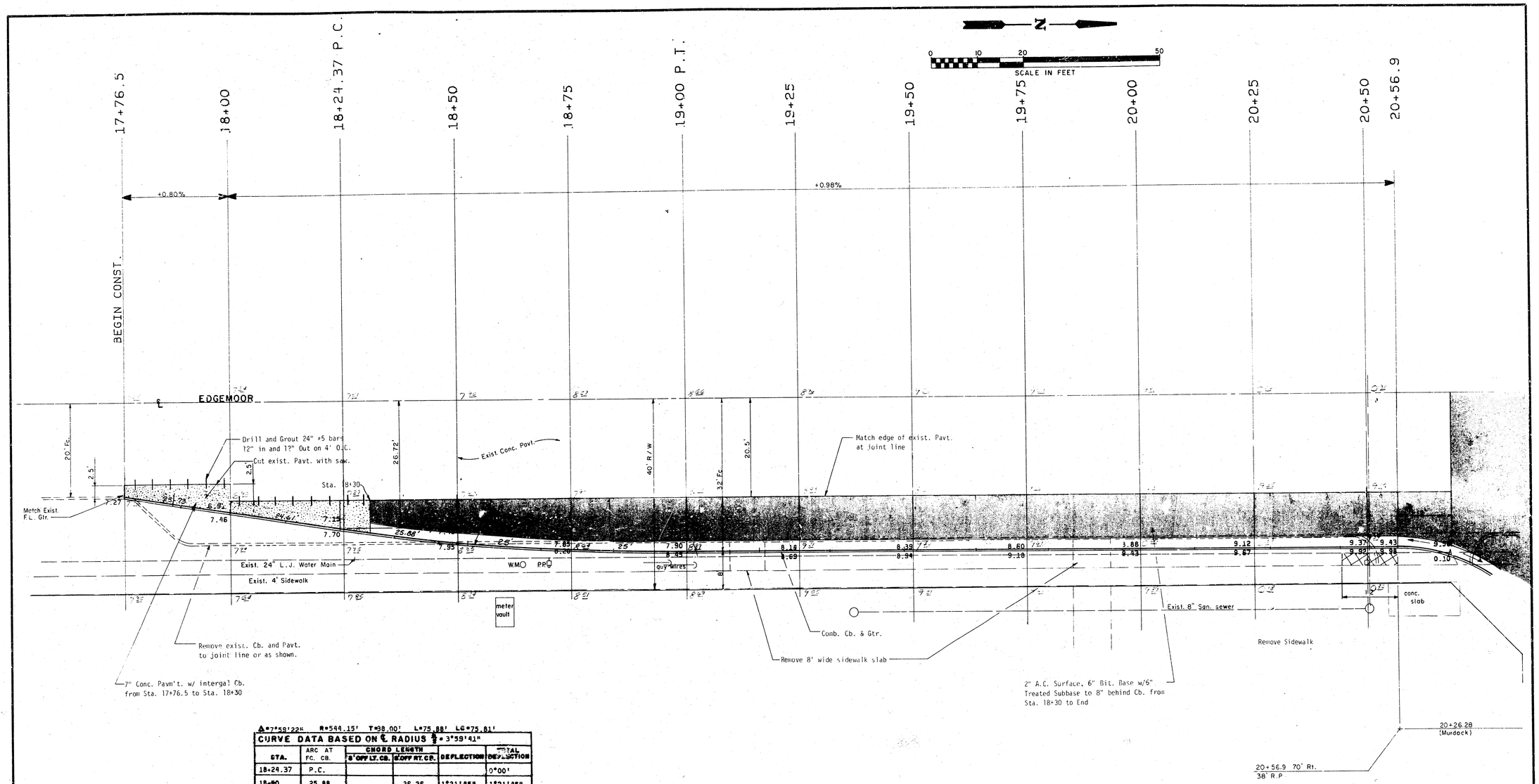
POE & ASSOCIATES
CONSULTING ENGINEERS

PROJECT DESCRIPTION
CHRISTINE AND MURDOCK
MURDOCK, EDGEMOOR & PINE
Intersection Detail

PROJECT NUMBER

ENGINEER K. HILL	CHECKED BY K.H.
DRAWN BY	SCALE AS NOTED
DATE AUG. 1983	SHEET 7 OF 17

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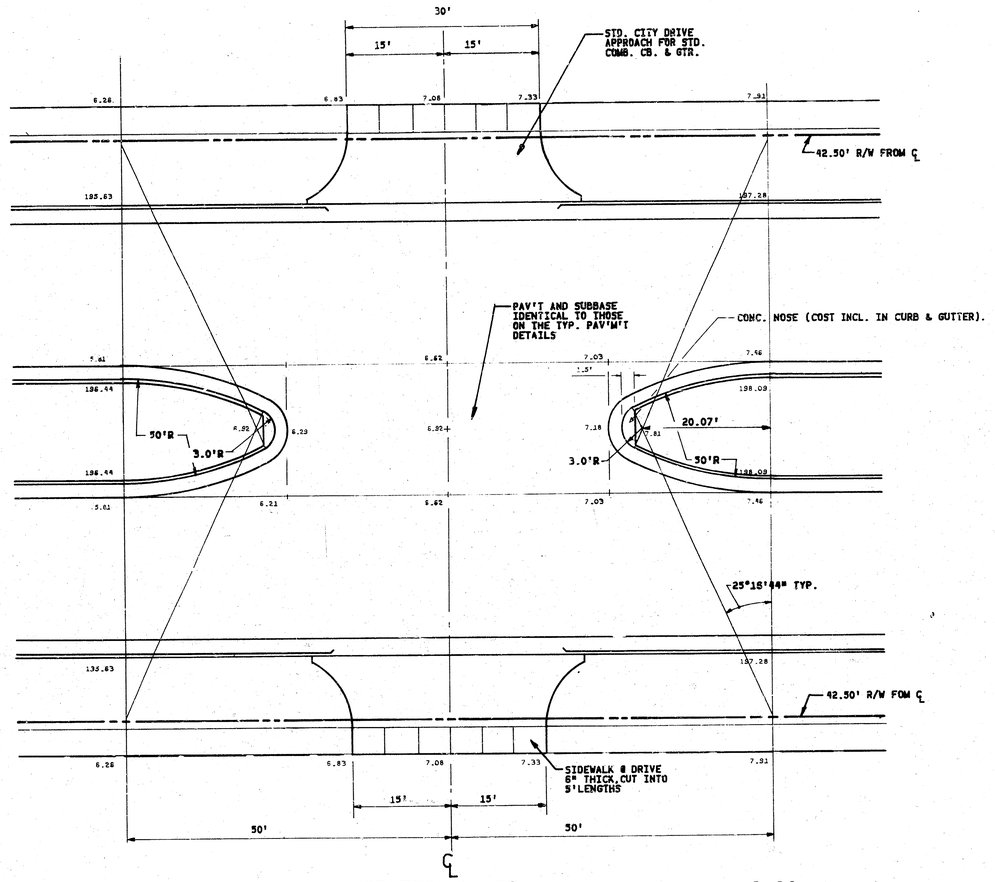
Δ=7°59'22" R=549.15' T=38.00' L=75.88' LC=75.81'

CURVE DATA BASED ON ℄ RADIUS ℄ = 3°59'41"					
STA.	ARC AT FC. CB.	CHORD LENGTH 8' OFF LT. CB.	CHORD LENGTH 8' OFF RT. CB.	DEFLECTION	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/FT=0.526470454					

	PROJECT DESCRIPTION
POE & ASSOCIATES CONSULTING ENGINEERS	CHRISTINE AND MURDOCK EDGEMOOR DECEL LANE
	PROJECT NUMBER 472-76-245-80000-000-000-008
ENGINEER: K. HILL	CHECKED BY: K. H.
DRAWN BY:	SCALE: AS NOTED
DATE: AUG. 1983	SHEET 8 OF 17

8/17

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

POE & ASSOCIATES
CONSULTING ENGINEERS

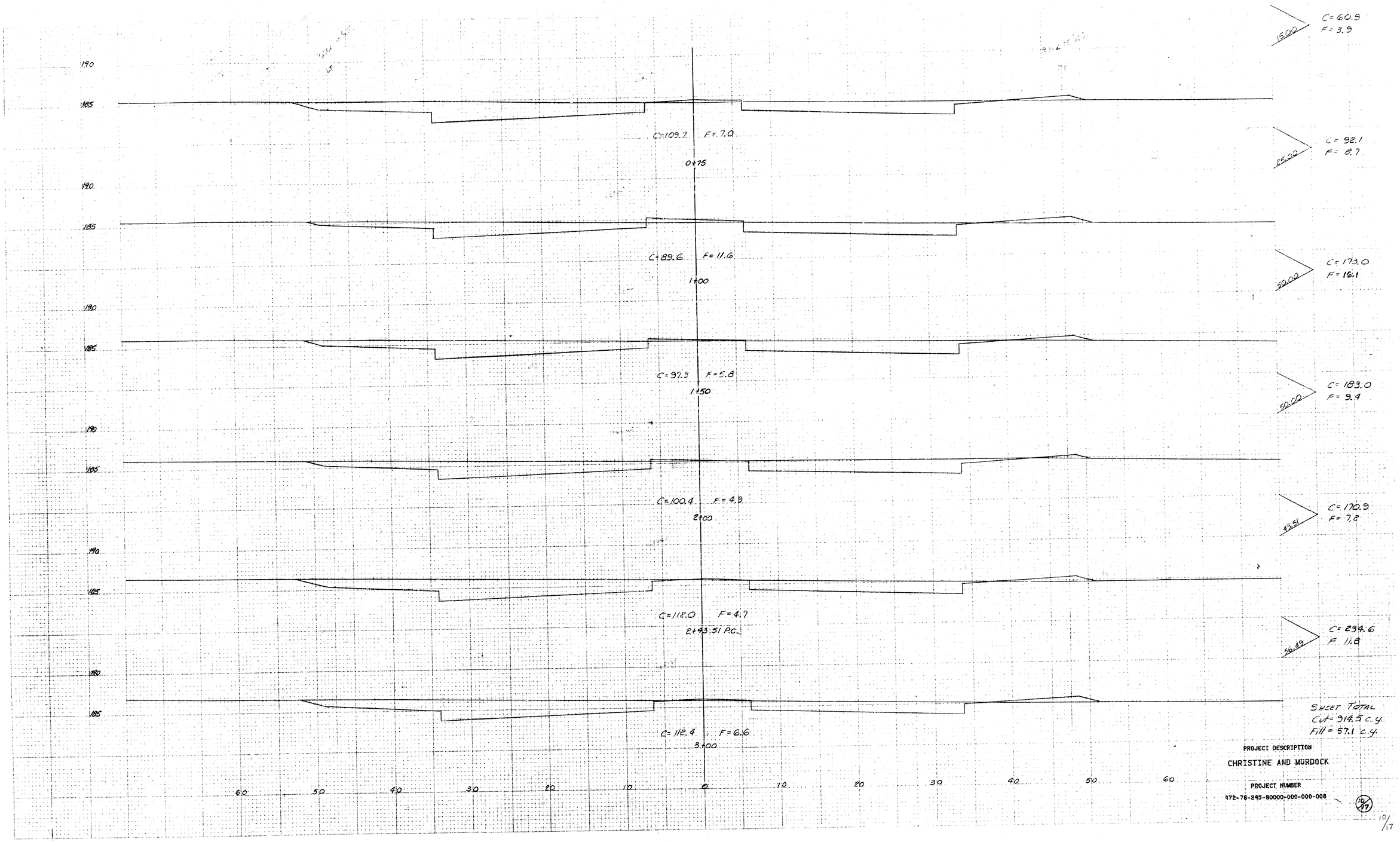
PROJECT DESCRIPTION
CHRISTINE AND MURDOCK
DRIVE APPROACH DETAILS

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

ENGINEER: K.HILL	CHECKED BY: R.H.
DRAWN BY: J.G.P.	SCALE: 1"= 10'
DATE: AUG. 1983	SHEET 9 OF 17

9/17

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SHEET TOTAL
Cut= 914.5 c.y.
Fill = 57.1 c.y.

PROJECT DESCRIPTION

CHRISTINE AND MURDOCK

PROJECT NUMBER

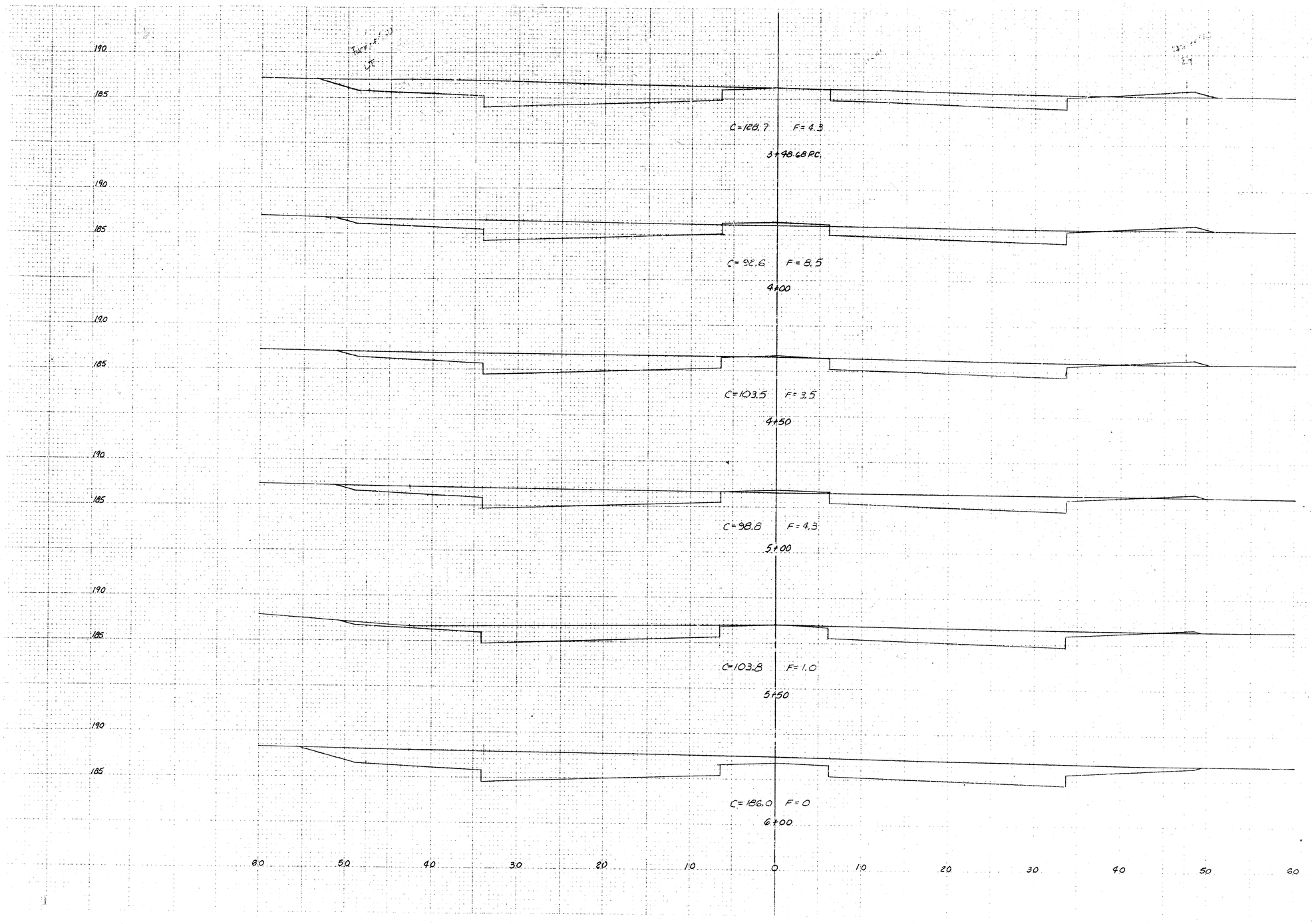
472-76-245-80000-000-000-008

10/17

NO. 1294—CROSS SECTION 10 x 10
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NO. 1234 - NOSE SECTION 10 x 10
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C= 212.1
F= 9.8



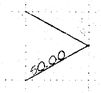
C= 210.3
F= 12.2



C= 181.4
F= 11.1



C= 187.1
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

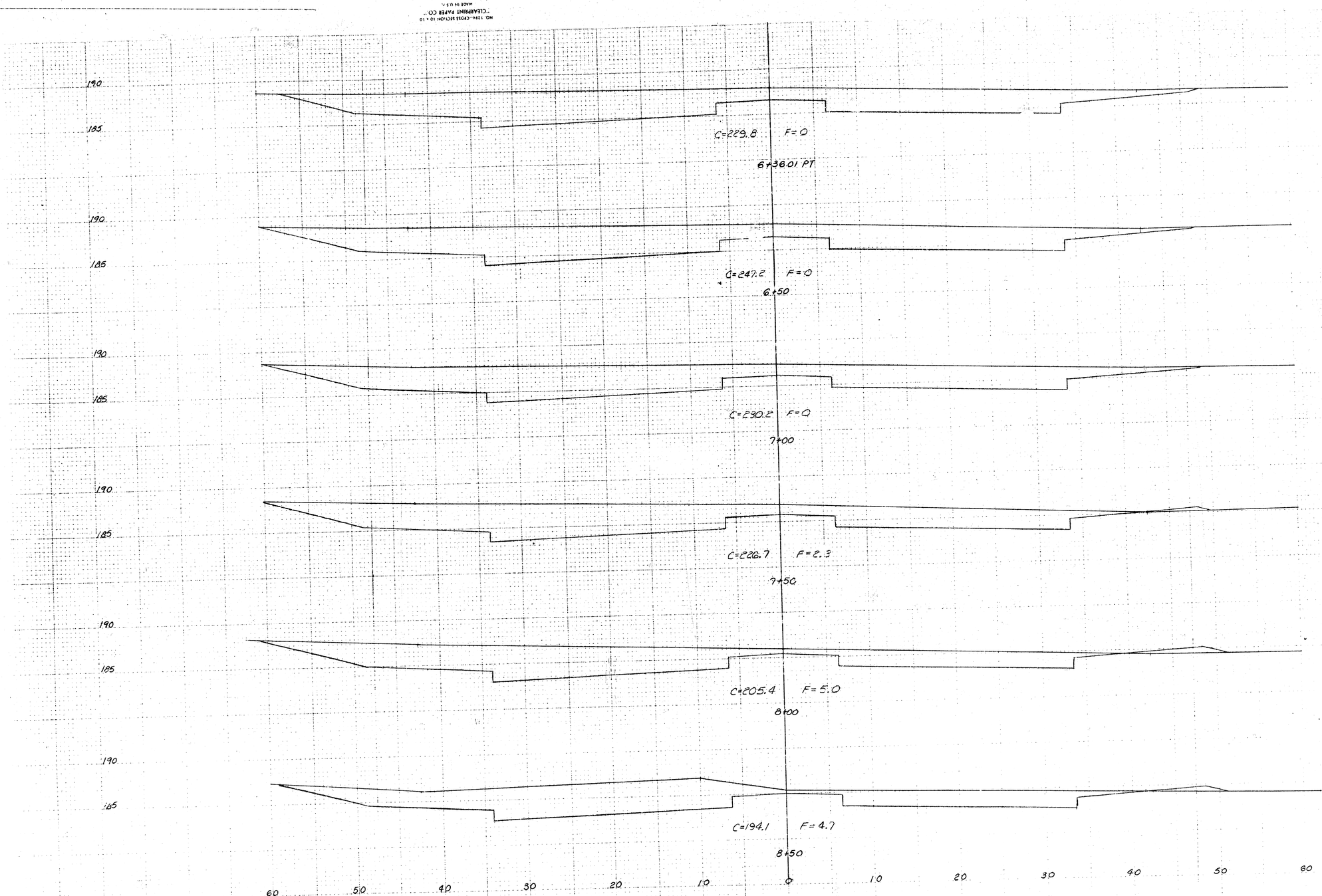
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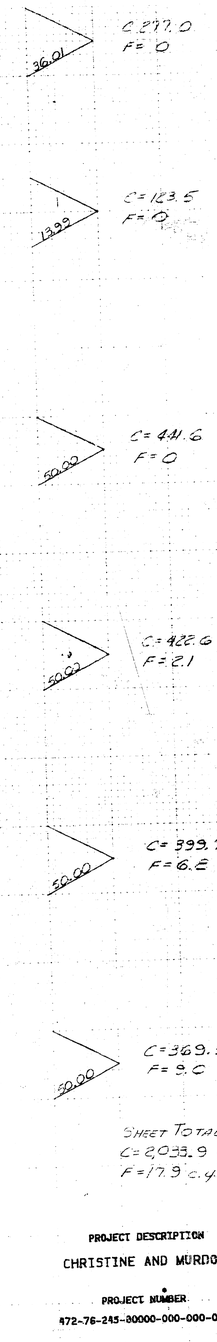
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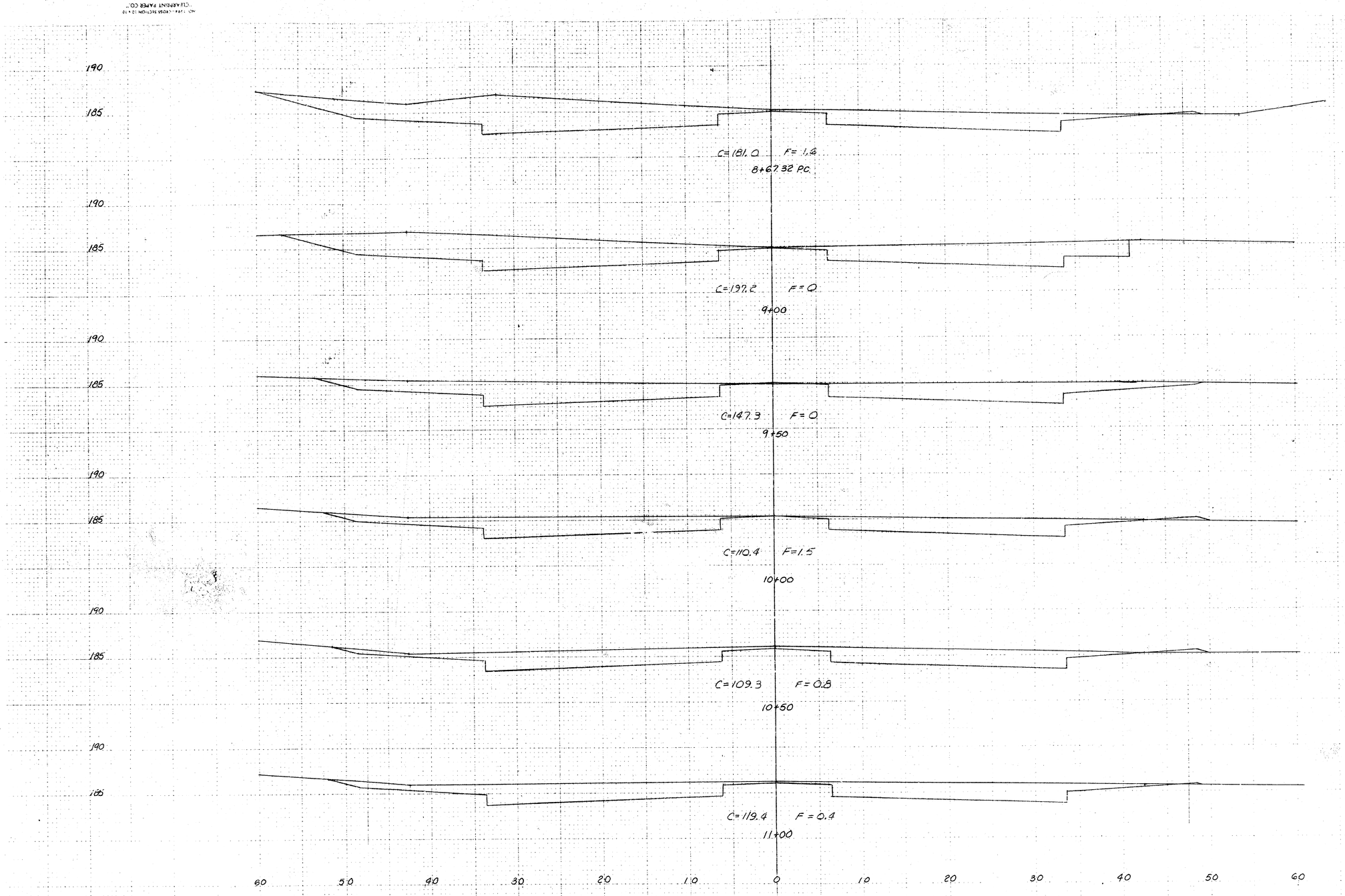
SHEET TOTAL
C=2,033.9 c.y.
F=17.9 c.y.

PROJECT DESCRIPTION
CHRISTINE AND MURDOCK

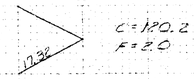
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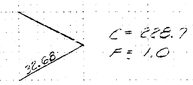
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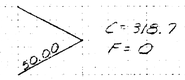
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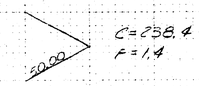
C=120.2
F=2.0



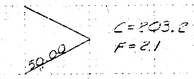
C=228.7
F=1.0



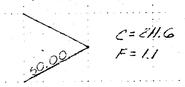
C=315.7
F=0



C=258.4
F=1.4



C=203.2
F=2.1



C=211.6
F=1.1

SHEET TOTALS
C=1320.8 c.y.
F 7.6 c.y.

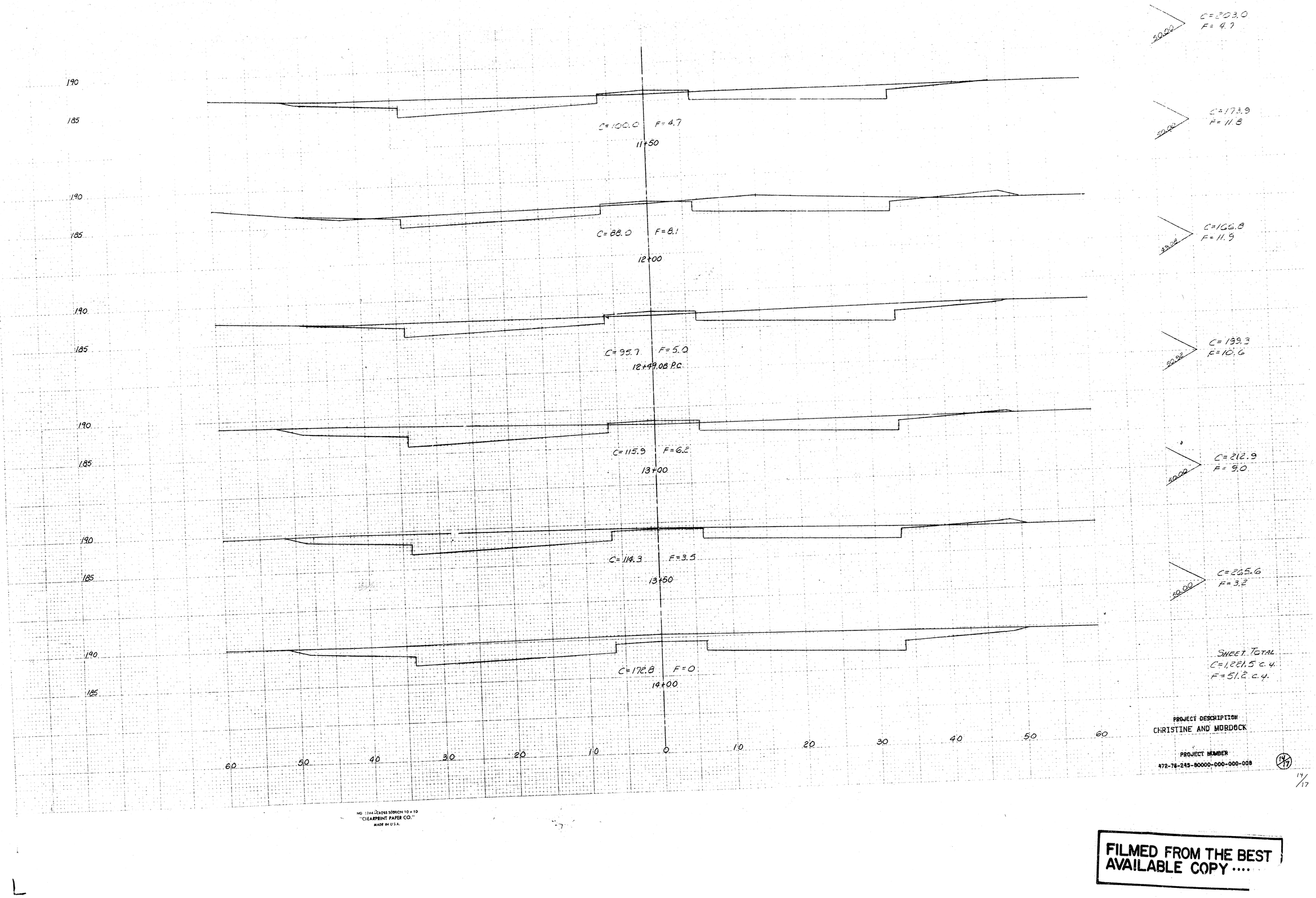
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CHRISTINE AND MURDOCK

PROJECT NUMBER
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SHEET TOTAL
C=1,221.5 C.Y.
F=51.2 C.Y.

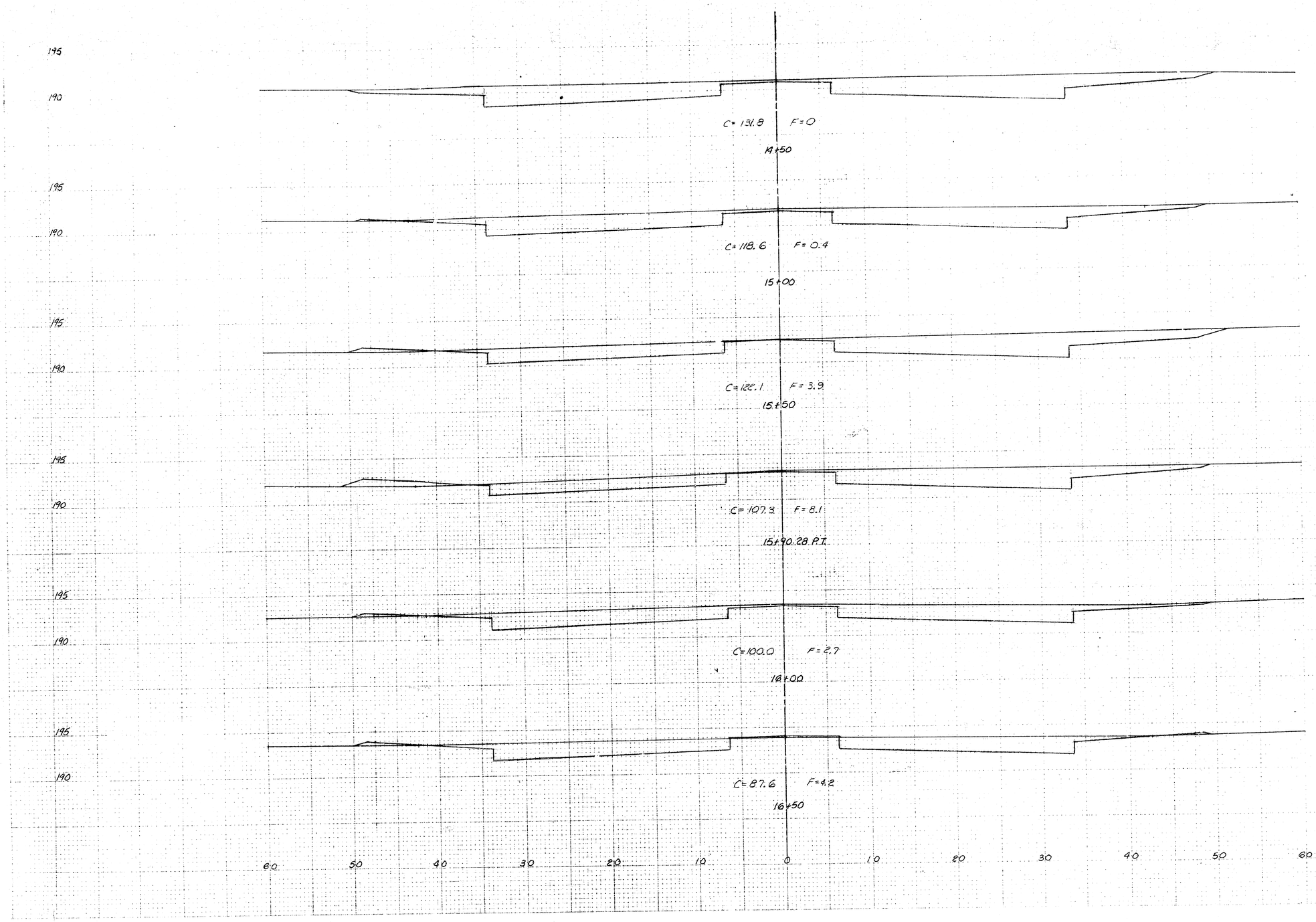
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CHRISTINE AND MURDOCK

PROJECT NUMBER
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C= 131.8
F= 0



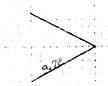
C= 251.4
F= 0.4



C= 222.7
F= 4.0



C= 170.9
F= 8.9



C= 37.3
F= 1.9



C= 173.5
F= 6.4

SHEET TOTAL
C= 1117.8 c.y.
F= 21.6 c.y.

PROJECT DESCRIPTION
CHRISTINE AND MURDOCK

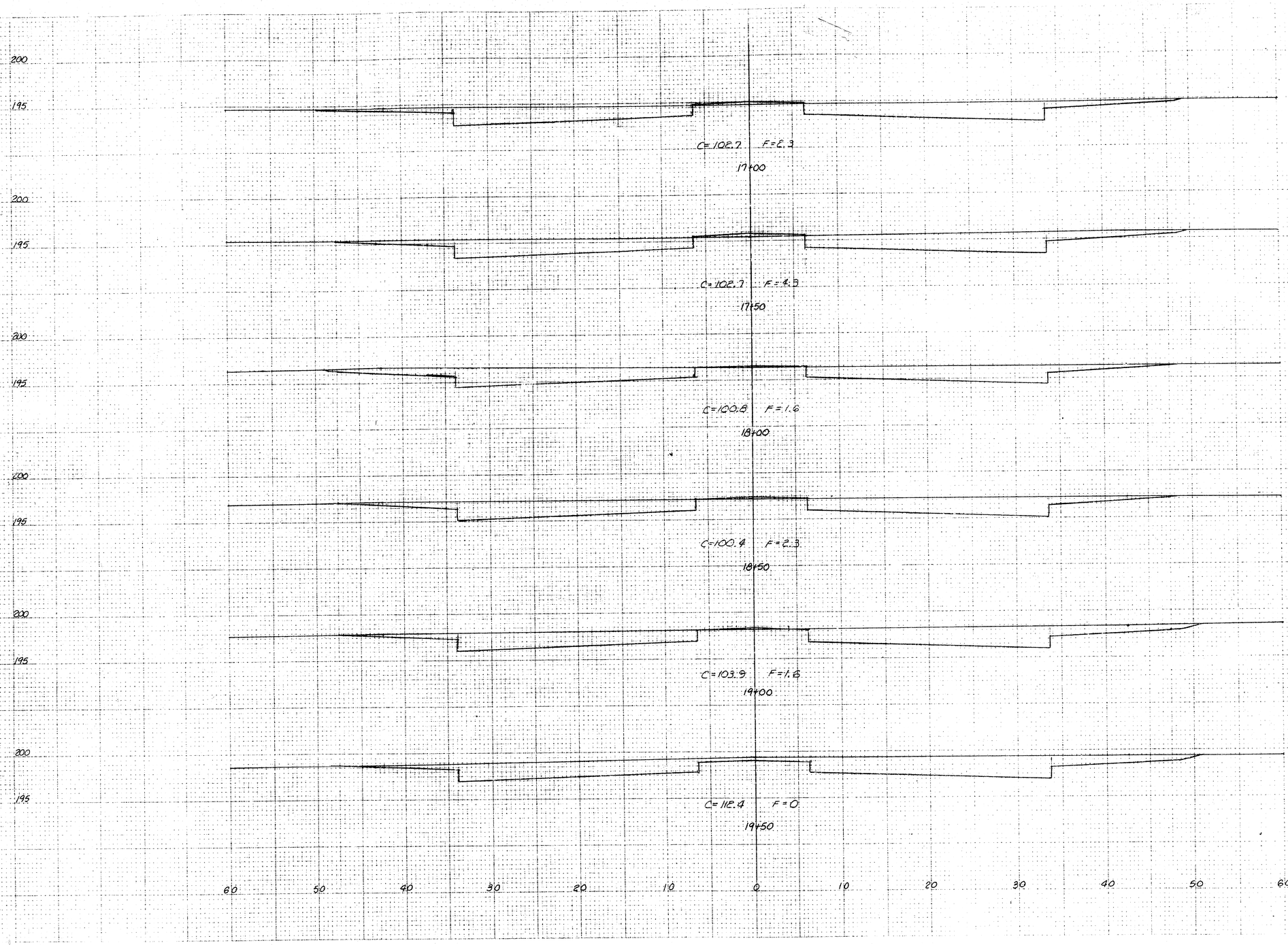
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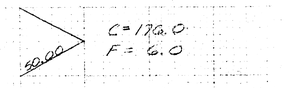
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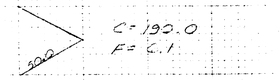
NO. 1294—CROSS SECTION 10 × 10
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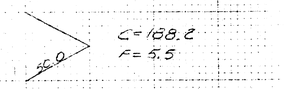
NO. 1294—CROSS SECTION 10 × 10
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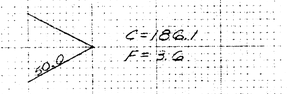
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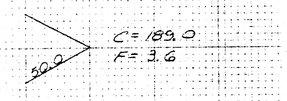


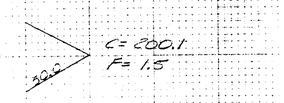












SHEET TOTAL
C=1,129.4 c.y.
F=26.3 c.y.

PROJECT DESCRIPTION

CHRISTINE AND MURDOCK

PROJECT NUMBER

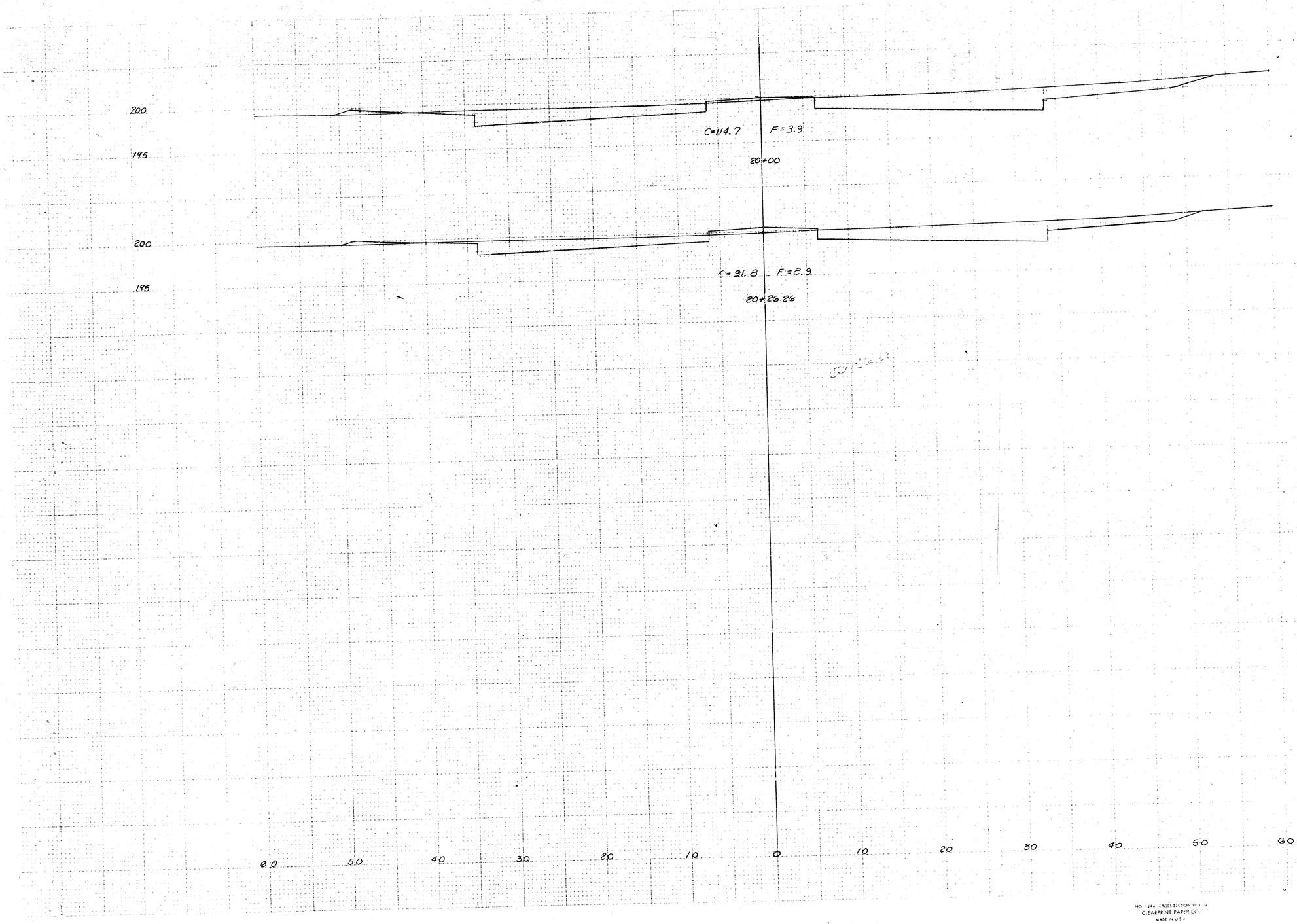
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SHEET TOTAL
C = 412.4 c.y.
F = 19.7 c.y.

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

PROJECT DESCRIPTION
CHRISTINE AND MURDOCK

PROJECT NUMBER
472-76-245-80000-000-000-008 (17/17)

17/17

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