

STATE	DIVISION	SHEET	TOTAL
WISC.	3399	1	56

**INDEX OF SHEETS**

SHEET NO.	TITLE	SHEET
1	TYPICAL CROSS SECTION OF IMPROVEMENT	
2	ESTIMATE SHEET	
3	R.O.W. SHEET	
4	PLAN & PROFILE	STA. 0+00 TO STA. 30+00
5	"	" 30+00 " " 60+00
6	"	" 60+00 " " 90+00
7	"	" 90+00 " " 120+00
8	"	" 120+00 " " 150+00
9	"	" 150+00 " " 180+00
10	"	" 180+00 " " 210+00
11	"	" 210+00 " " 240+00
12	"	" 240+00 " " 265+12.1
13-17	DRAINAGE STRUCTURES + STANDARD DETAILS	
18-56	CROSS SECTIONS	

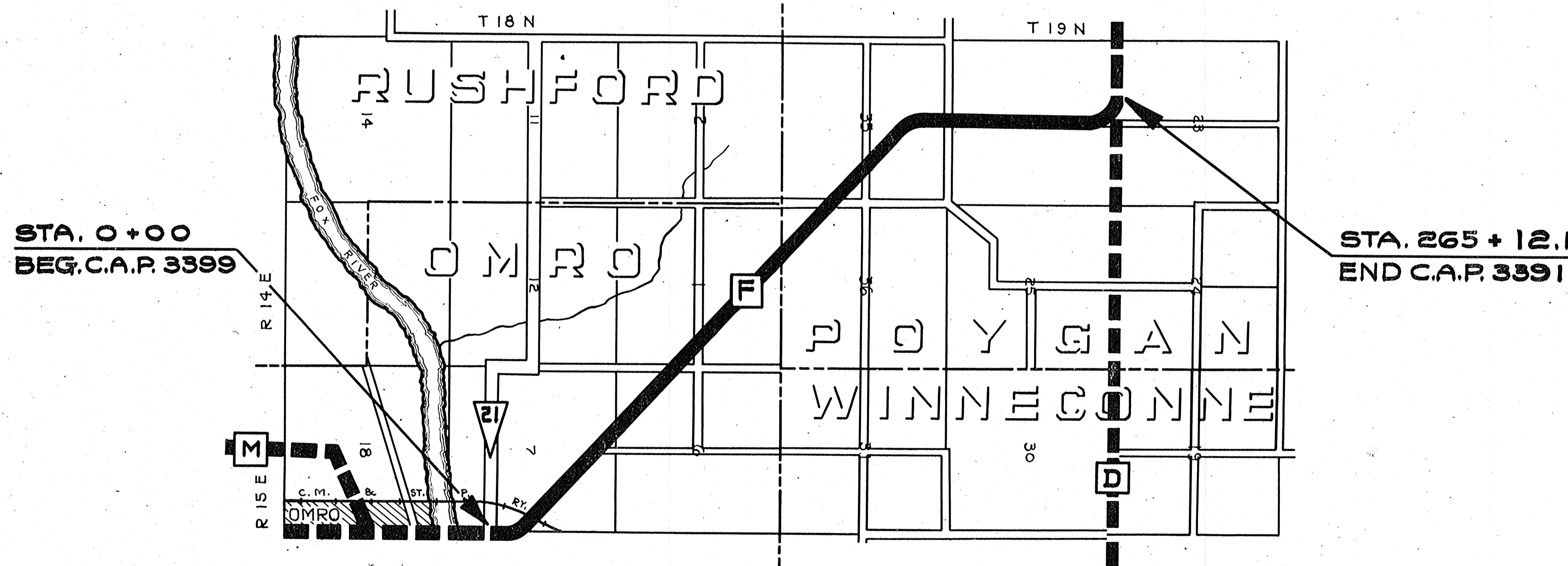
STATE OF WISCONSIN  
**WISCONSIN HIGHWAY COMMISSION**  


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**PLAN AND PROFILE OF PROPOSED**  
**OMRO - LAKE POYGAN ROAD**  
**WINNEBAGO COUNTY**  
**3599 COUNTY AID PROJECT 3399**

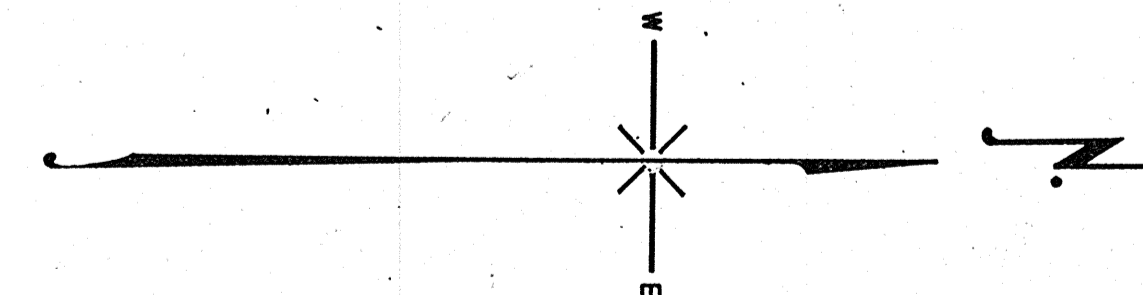
BEGINNING NEAR THE S.E. CORN. OF SECT. 7, T18N, R15E, AT SURV. STA. 0+00 AND EXTENDING N.WESTERLY A DISTANCE OF 5.021 MI. TO A POINT NEAR THE S 1/4 CORN. OF SECT. 23, T19N, R14E, AT SURV. STA. 263+92.1

SCALES: PLAN, 1 IN. = 100 FT.  
 PROFILE, HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.  
 CROSS SECTIONS, HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.



**CONVENTIONAL SIGNS**

STATE AND NATIONAL LINE	— — — — —	CULVERTS	— — — — —
COUNTY LINE	— — — — —	DROP INLET	— — — — —
CITY, VILLAGE, OR TOWN	— — — — —	TROLLEY POLE	— — — — —
TOWNSHIP LINE	— — — — —	POWER POLE	— — — — —
SECTION LINE	— — — — —	TELEPHONE OR TELEGRAPH POLES	— — — — —
FENCE LINE	— — — — —	MAIL BOX	— — — — —
GUARD RAIL	— — — — —	REFERENCE STAKES	— — — — —
UNFENCED PROPERTY	— — — — —	MARSH	— — — — —
RIGHT OF WAY LINE	— — — — —	HEDGE	— — — — —
TRAVELED WAY	— — — — —	TREES	— — — — —
RAILROADS	— — — — —	GROUND ELEVATION	— — — — —
RETAINING WALL	— — — — —	GRADE ELEVATION	— — — — —
LEVEE	— — — — —		
BASE OR SURVEY LINE	— — — — —		
R.O.W. MARKERS	— — — — —		



**LAYOUT**  
 SCALE 2 IN. = 1 MI.  
 TOTAL NET LENGTH OF CENTERLINE = 5.021 MI.

<b>WISCONSIN HIGHWAY COMMISSION</b> MADISON, WIS.	
Surveyor P. D. _____	Note Book 5826
Div. Computer P. D. _____	M. O. Checker _____
Div. Checker J. F. _____	Correct
CORRECT:	
<i>A. H. Culbertson</i> DIVISION ENGINEER	
RECOMMENDED FOR APPROVAL: <i>Frank Crane</i> ENGINEER PLANS & SURVEYS	
APPROVED: _____	DATE 4/29 1935
<i>W. J. Buehler</i> STATE HIGHWAY ENGINEER	



# ESTIMATE OF QUANTITIES

THIS PROJECT TO BE EXECUTED UNDER WISCONSIN STANDARD SPECIFICATIONS AS APPROVED BY THE U.S BUREAU OF PUBLIC ROADS ON MAR. 19, 1931.

FED. RD. DIST. NO.	STATE	CO. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3399	24	56

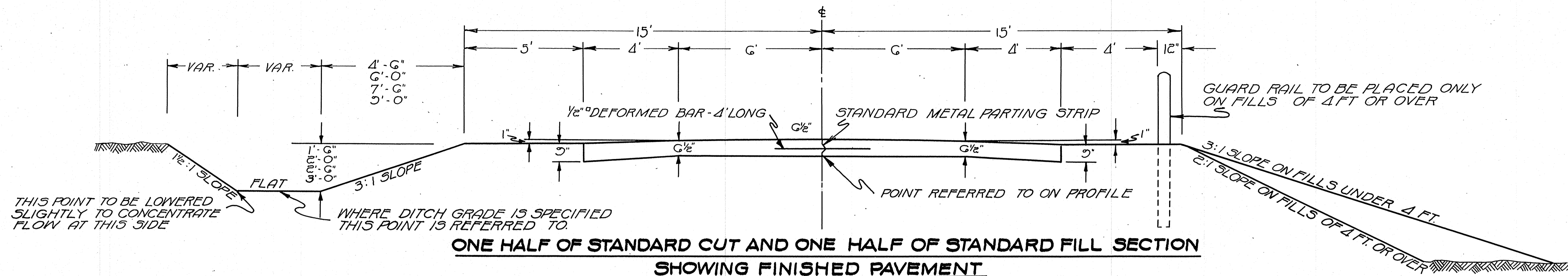
MILE NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	EXCAVATION							20 FOOT ONE COURSE PORTLAND CEMENT CONG. PAVEMENT	PORTLAND CEMENT IN PAVT. LIP CURB AND SURFACE DRAINS	LIP CURB			CONCRETE SURFACE DRAINS	CONCRETE HEADERS	BAR REINFORCING STEEL	STEEL FABRIC REINF.	FINISHING SHOULDERS	SHOULDER EMBANKMENT	HAUL	SALVAGED GRAVEL SHOULDERS	EXPANSION JOINTS	CONTRACTION JOINTS
					BARTHOLMEW	SOLID ROCK	BOR. ROCK	CHANNEL EXCAVATION	SURFACE STONE	INTERCEPTING DITCHES	SPECIAL DITCHES			SEEDING SLOPES	FINE GRADING	TYPE A										
		LN. FT.	ACRES	ACRES	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YD. MI.	CU. YDS.	NO.	NO.		
1	0+00 - 2+00	2000										10600	11,916.5	3,510	2816	392	11.18	1048	89	5889			60	120		
2	2+00 - 4+00	2000										10600	11,777.8	3,458	1,178	501	6.09	685		5889			59	118		
3	4+00 - 6+00	2000										10600	11,777.8	3,471	4320		11.69	1844		5889			59	118		
4	6+00 - 8+00	2000										10600	11,777.8	3,504	5,254	1701	23.49	2,394		5889			59	118		
5	8+00 - 10+00	2000										10624	12,626.3	3,769	4,120		24.54	20	1,975		5,902			63	126	
		26,512.1										53,024	59,946.2	17,712	17,688	2,202	1,344	76.99	20	6,946	89	29,458			300	600

MILE NO.	EXCAVATION					BRIDGES OVER 20' 0" SPAN					STRUCTURES 6' TO 20' SPAN					CULVERTS 6' SP. UNDER		PIPES					
	BRIDGES 6' 20' SP	DRY EXC	WET EXC	DRY EXC	WET EXC	PORTLAND C. CONG.	REINF. STEEL	FLOOR DRAINS	STRUCT. STEEL	CAST STEEL	TIMBER DELIVERED	PILING DRIVEN	WATER-PROOFG.	PORTLAND C. CONG.	REINF. STEEL	FLOOR DRAINS	STRUCT. STEEL	WATER-PROOFG.	PORTLAND C. CONG.	REINF. STEEL	PRIVATE ENTRANCE CG. 5M	SIDE ROAD CG. 5M	ROAD CG. 5M
	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	LBS.	NO.	LBS.	LBS.	LN. FT.	LN. FT.	SQ. FT.	CU. YDS.	LBS.	NO.	LBS.	SQ. FT.	CU. YDS.	LBS.	LN. FT.	LN. FT.	LN. FT.	
1																					300	36	30
2																					160		
3																					200		
4																					120		30
5																					120		30
																					900	36	30

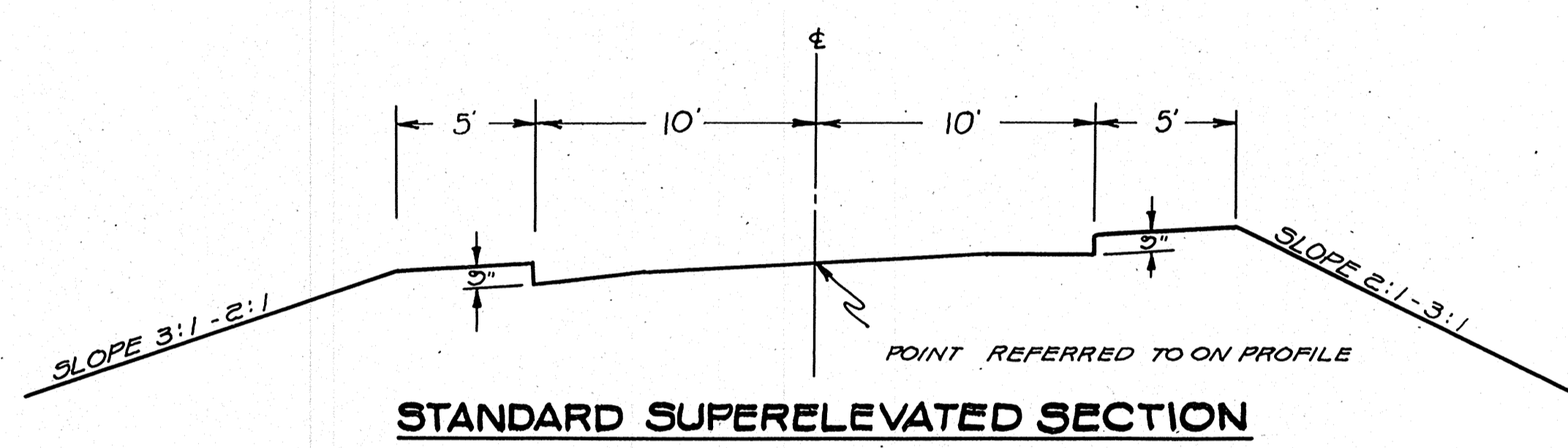
	CENTERLINE				PIPE		GUARD FENCE			ANCHOR AGES	PROJ. MARKER	CONCRETE		COMBINATION CURB & GUTTER	RIP RAP	ARMOR PROT.	R.O.W. MARKERS
	CI OF RC 18"	CI OF RC 24"	CI OF RC 30"	CI OF RC 42"	CI OF RC 48"	WIRE ROPE TYPE 'B'	WIRE ROPE TYPE	GUARD POSTS TYPE 'C'	WIRE ROPE TYPE 'B'			WIRE ROPE TYPE	GUARD POSTS TYPE 'C'				
	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.	LN. FT.
1				28				1							53	54	
2		88						1							294		
3		96	46					48									2
4	16	20			22			36									2
5				28				1									
	16	204	46	28	50			87							294	4	

ESTIMATE OF QUANTITIES FOR  
20 FOOT CONCRETE  
OMRO LAKE POYGAN ROAD  
CO. AID PROJECT #3399  
WISCONSIN HIGHWAY COMMISSION  
MADISON, WISC.

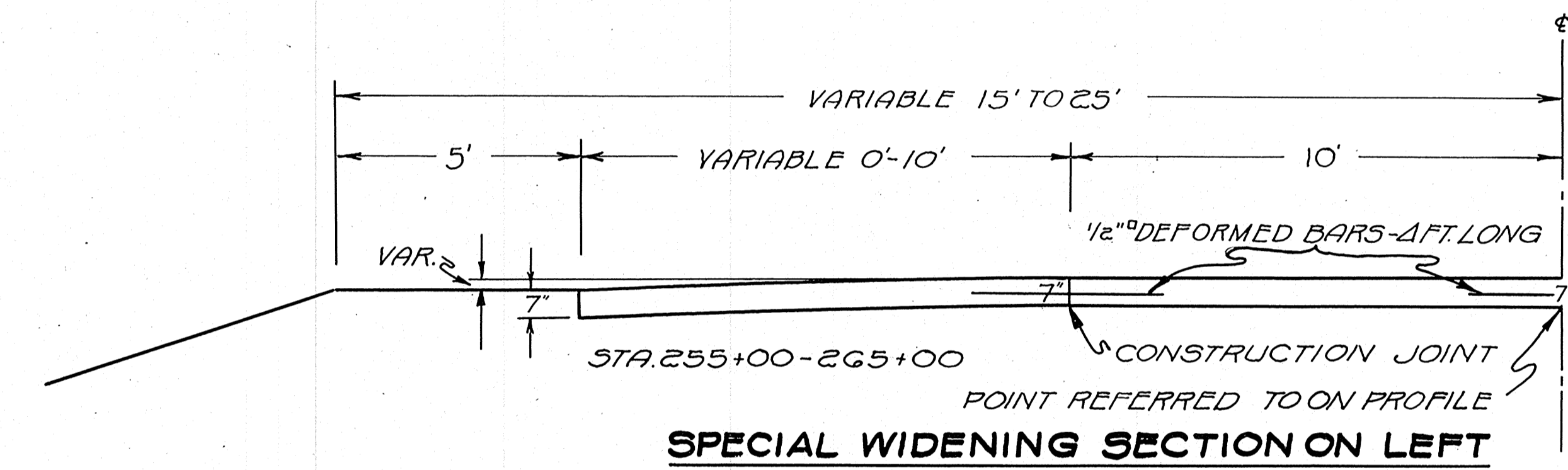




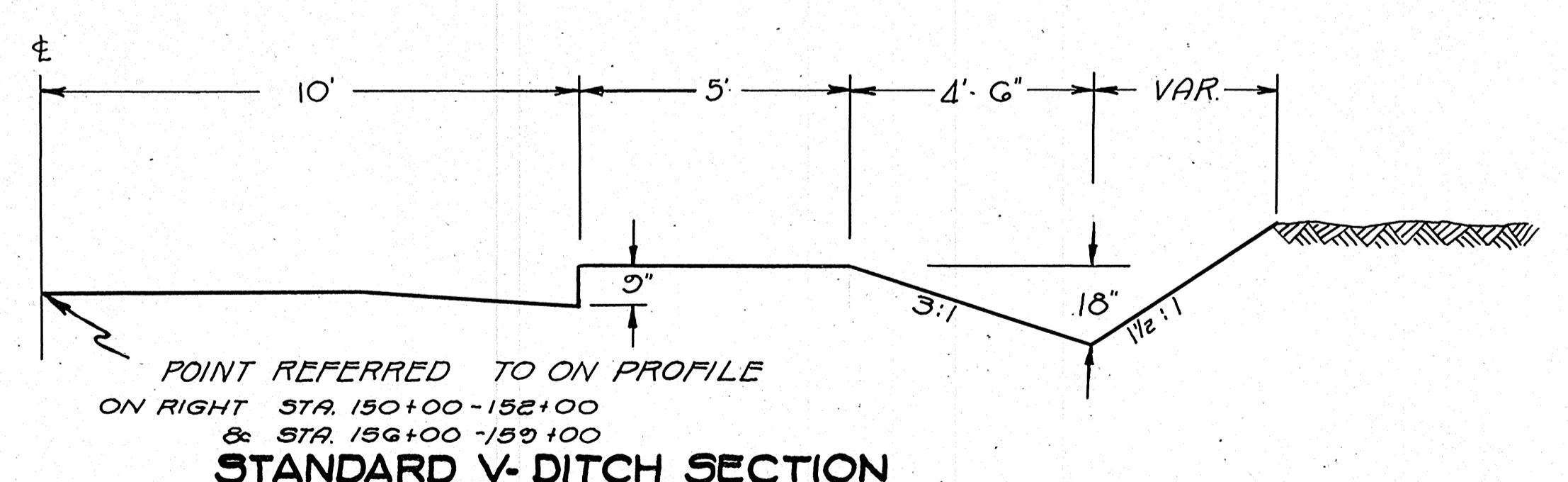
**ONE HALF OF STANDARD CUT AND ONE HALF OF STANDARD FILL SECTION  
SHOWING FINISHED PAVEMENT**



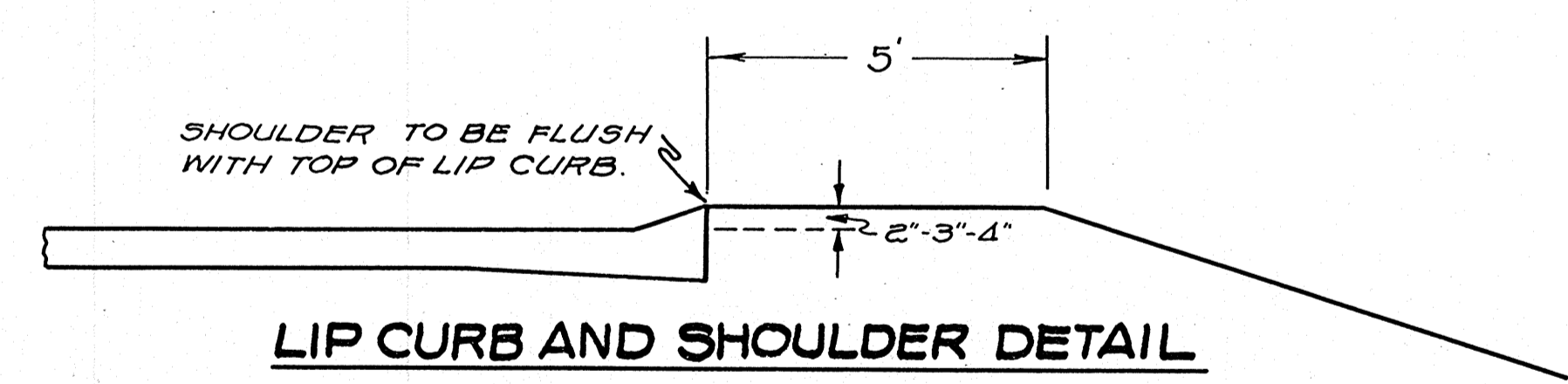
**STANDARD SUPERELEVATED SECTION**



**SPECIAL WIDENING SECTION ON LEFT**



**STANDARD V-DITCH SECTION**



**LIP CURB AND SHOULDER DETAIL**

STANDARD STRUCTURAL PLANS AND REVISED STANDARD DETAILS AS APPROVED BY THE U.S. BUREAU OF PUBLIC ROADS ON MAY 13, 1928, AND AS SUBMITTED ON FEB. 21, 1931 WILL BE USED ON THIS PROJECT. APPROVED DETAIL DRAWINGS ARE AS FOLLOWS:

GUARD POSTS-TYPE "C"	C-36
PAVT. JOINT DETAILS	C-40
PAVT. REINF. DETAILS	C-43-1
LIP CURBS	C-42-1
CONC. SURF DRAINS	C-42-1
STAND. R.O.W. MARKERS	C-36
PAVT. REINF. AT R.R. CROSSINGS	C-39
" " OVER CULV.	C-39 (1930 STD)
CONSTRUCTION BARRICADE	C-48

**TYPICAL CROSS SECTION  
FOR  
20 FT. CONC. PAVEMENT  
30 FT. ROADWAY**

**WISCONSIN HIGHWAY COMMISSION  
MADISON WISC.**



**BENCH MARKS**

NO.	STATION	DESCRIPTION	ELEV.
1	1+10	SPIKE IN 12" BOX ELDER 27' LEFT	200.00
2	17+20	" " " " 20" ELM 35' LEFT	200.10
3	32+40	" " " " 33' "	214.45

STA. 15+84 - 7'x3' CONC. CULV. IN PLACE. (O.K.) EXTEND

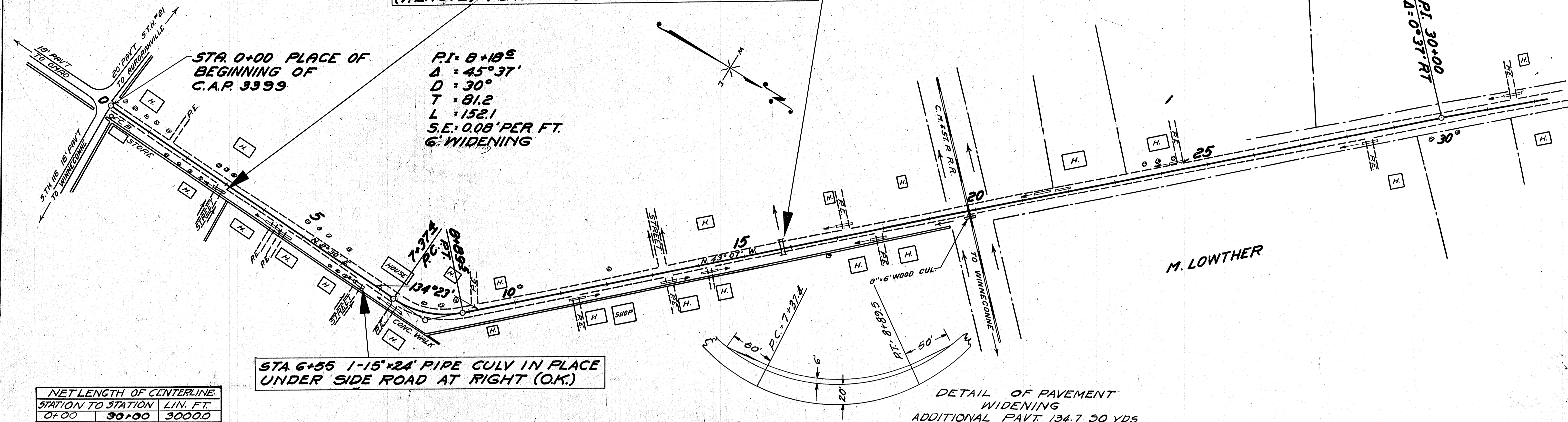
STA. 2+97 - 6"x30' TILE UNDER SIDE ROAD AT RT. (REMOVE) PLACE 1-15"x36' PIPE CULV.

FED. ROAD DIST. NO.	STATE	CO. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3399	4	56

DIVISION JOB NO. 3399

PLAN SURVEYED BY P. BUSHOP  
 PLOTTED BY J. E. B. B. B.  
 NOTE BOOK GRADES CHECKED BY J. E. B. B. B.  
 RT. OF WAY CHECKED BY J. E. B. B. B.  
 NO. 5822E

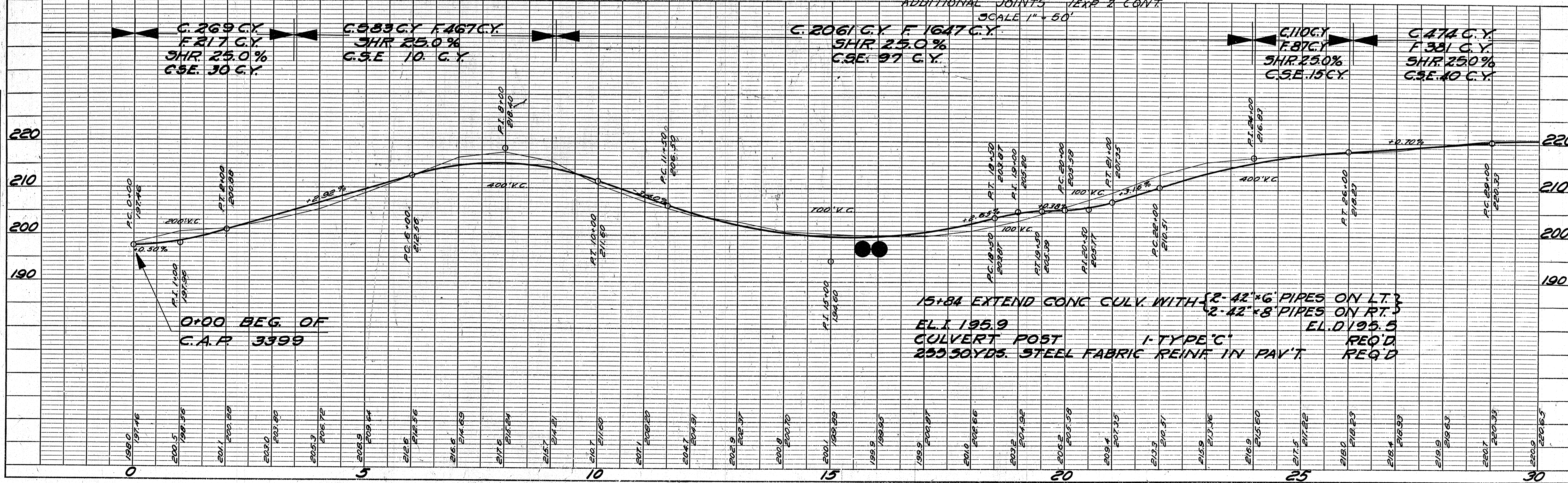
PROFILE SURVEYED BY P. BUSHOP  
 PLOTTED BY J. E. B. B. B.  
 NOTE BOOK GRADES CHECKED BY J. E. B. B. B.  
 STRUCTURE NOTING CH'VD. BY J. E. B. B. B.  
 NO. 5822F



NET LENGTH OF CENTERLINE

STATION TO STATION	LIN. FT.
0+00	30+00
	3000.0

DETAIL OF PAVEMENT WIDENING  
 ADDITIONAL PAVT 134.7 SQ YDS  
 ADDITIONAL JOINTS 1 EXR 2 CONT  
 SCALE 1" = 50'





**BENCH MARKS**

NO.	STATION	DESCRIPTION	ELEV.
3	32+40	SPIKE IN 20" ELM 33' L.	220.10
4	47+60	" " BLACK ASH 80' R.	201.20

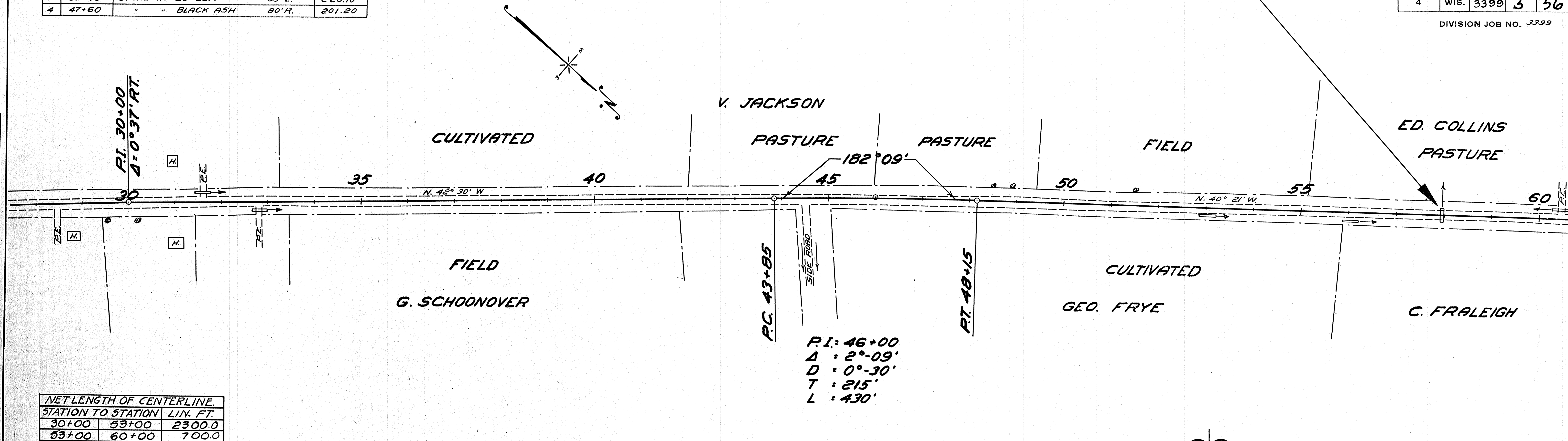
STA. 57+96 - 18" x 26' PIPE IN PLACE (REMOVE)

FED. ROAD DIST. NO.	STATE	CO. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3399	5	56

DIVISION JOB NO. 3299

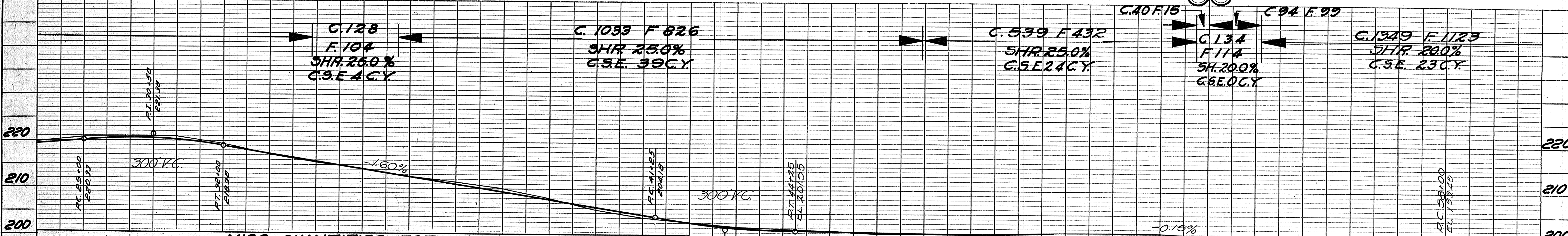
DATE	
BY	P.W.B.
CHECKED	V.L.F.
NO.	5826

DATE	
BY	P.W.B.
CHECKED	V.L.F.
NO.	5826



NET LENGTH OF CENTERLINE.

STATION TO STATION	LIN. FT.
30+00 53+00	2300.0
53+00 60+00	700.0
30+00 60+00	3000.0



**MISC QUANTITIES FOR MILE 1.**

ITEM	TYPE	LOCAT.	STA. TO STA.	UNIT	AMT.	TOTAL	ITEM	TYPE	LOCAT.	STA. TO STA.	UNIT	AMT.	TOTAL
RE. PIPE	15"	R	4+40	LIN. FT.	20		RE. PIPE	15"	L	31+50	LIN. FT.	20	
"	15"	R	4+60	"	20		"	15"	R	32+76	"	20	300
"	15"	R	7+40	"	20		LIP CURB	A	R+L	0+50 6+17	"	1134	
"	15"	R	11+30	"	20		"	A	R+L	10+09 14+00	"	782	
"	15"	R	12+25	"	20		"	A	R+L	20+50 26+00	"	800	2816
"	15"	R	13+30	"	20		"	C	L	6+17 10+09	"	392	392
"	15"	R	14+25	"	20		LIP CURB OUTLET	5'G	R+L	0+50	CU. YDS.	3.95	
"	15"	L	17+25	"	20		"	5'G	R+L	14+00	"	3.46	
"	15"	R	17+90	"	20		"	5'G	R+L	20+50	"	3.97	11.18
"	15"	L	21+50	"	20		STEEL IN OUTLETS		TOTAL	FOR MILE	LBS.	1723	1723
"	15"	L	21+90	"	20		ARMOR PLATE				"	294	294
"	15"	L	23+25	"	20		WIRE MESH				"	59	59
"	15"	R	28+40	"	20		ADD. PRY. T.				"	24	24

LOCATION OF P.E. PIPES TO BE DETERMINED BY ENGINEER IN FIELD.

57+96 2-24"x44' PIPE CULV. REQ'D. E.I. 196.8 E.D. 196.5  
 CULV. POST 1-TYPE "C" REQ'D.  
 REINF. STEEL IN PAVT 255 LBS.



**BENCH MARKS**

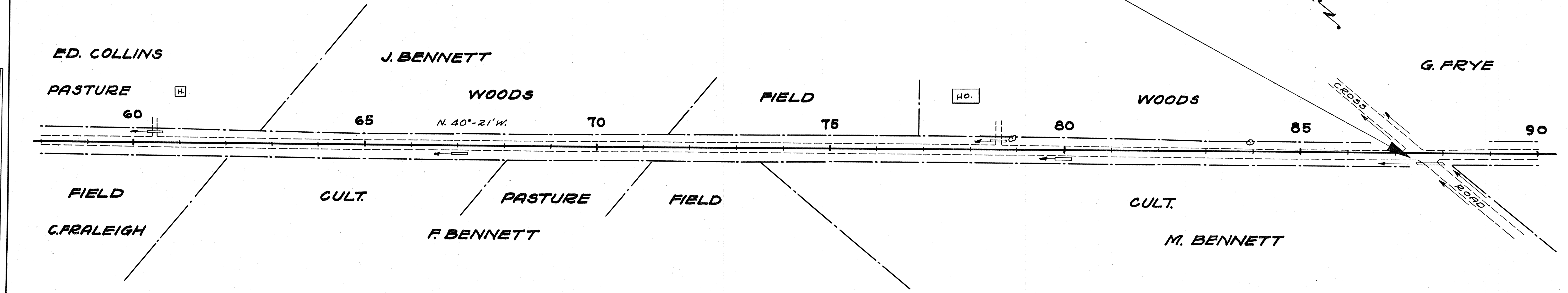
NO.	STATION	DESCRIPTION	ELEV.
5	64+20	SPIKE IN 20" ELM-35'L.	205.08
6	77+15	SPIKE IN 12" HICKORY-35'L.	218.33

88+49 1-18" x 24' PIPE CULV. IN PLACE UNDER CROSS ROAD AT RIGHT (OK.)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3399	6	56

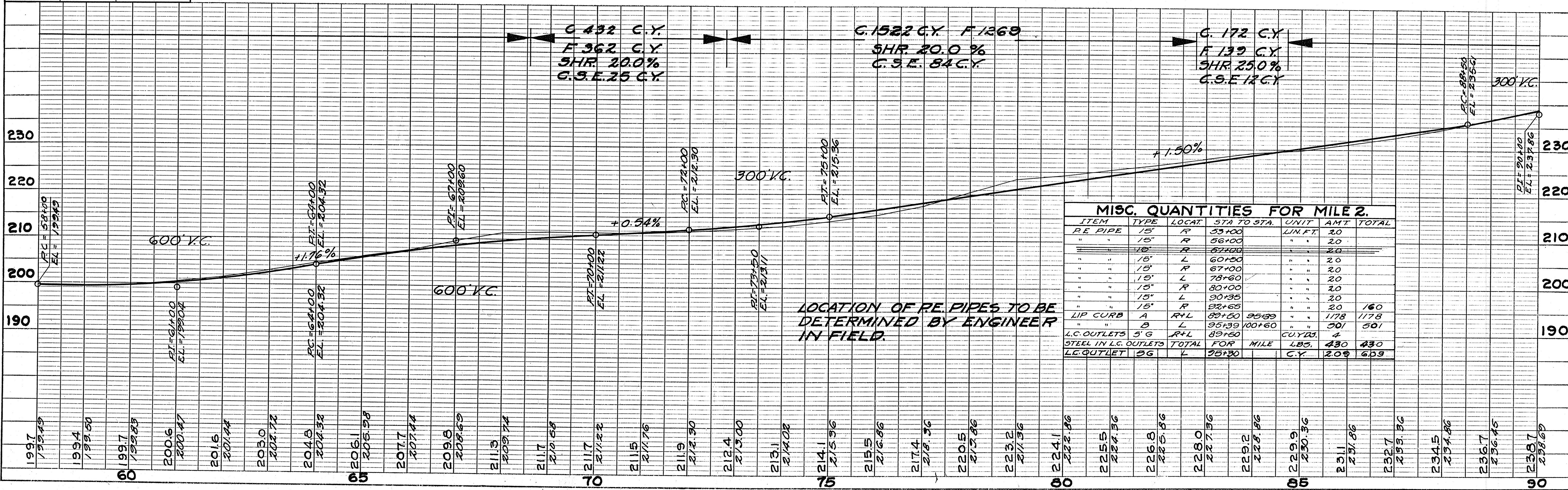
DIVISION JOB NO. 3399

PLAN	DATE
SURVEYED BY: B.S. ZIMM	
PLOTTED BY: C.P.B.	
NOTE BOOK ALIGNED CHECKED: C.P.B.	
NO. 58226	



NET LENGTH OF CENTERLINE		
STATION TO STATION	LINE FEET	
60+00	90+00	3000.0

PROFILE	DATE
SURVEYED BY: B.S. ZIMM	
NOTE BOOK GRADES CHECKED: C.P.B.	
NO. 58226	



ITEM	TYPE	LOCAT.	STA TO STA.	UNIT	AMT	TOTAL
RE PIPE	15"	R	53+00	LN. FT.	20	
"	15"	R	56+00	"	20	
"	15"	R	57+00	"	20	
"	15"	L	60+50	"	20	
"	15"	R	67+00	"	20	
"	15"	L	78+60	"	20	
"	15"	R	80+00	"	20	
"	15"	L	90+35	"	20	
"	15"	R	92+65	"	20	160
LIP CURB	A	R+L	89+50	95+99	1178	1178
"	B	L	95+99	100+60	501	501
L.C. OUTLETS	5" G	R+L	89+60	C.U.Y.D.	4	
STEEL IN L.C. OUTLETS	TOTAL	FOR MILE		LB.	430	430
L.C. OUTLET	24"	L	75+30	C.Y.	209	609

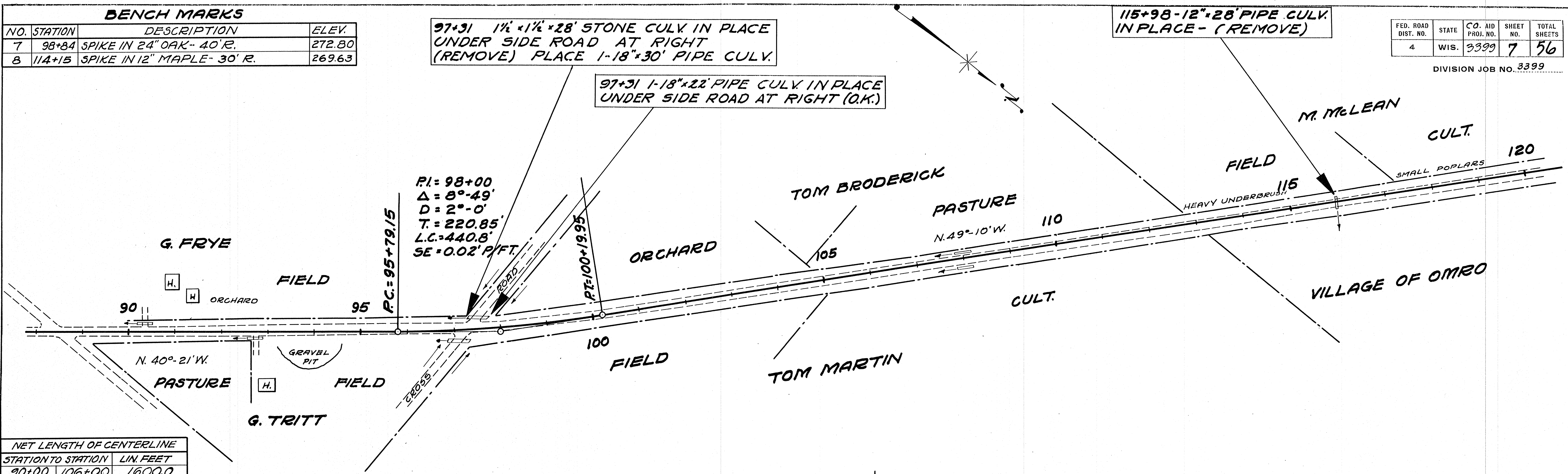


**BENCH MARKS**

NO.	STATION	DESCRIPTION	ELEV.
7	98+84	SPIKE IN 24" OAK - 40' R.	272.80
8	114+15	SPIKE IN 12" MAPLE - 30' R.	269.63

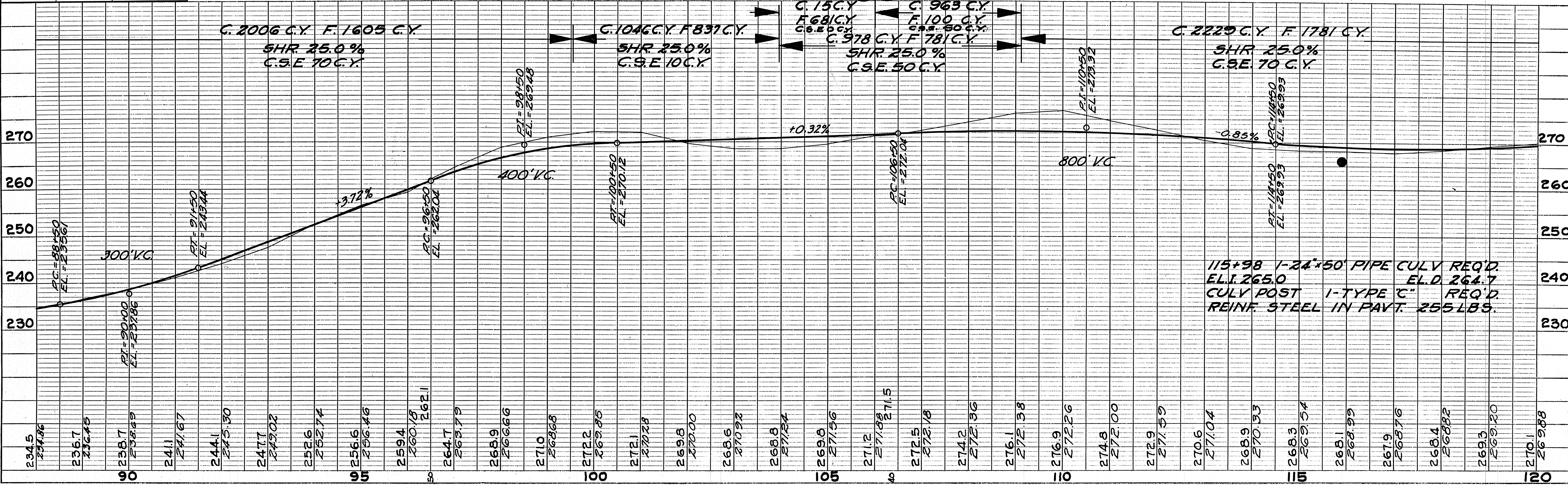
FED. ROAD DIST. NO.	STATE	CO. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3399	7	56

DIVISION JOB NO. 3399



NET LENGTH OF CENTERLINE

STATION TO STATION	LIN. FEET
90+00 106+00	1600.0
106+00 120+00	1400.0
90+00 120+00	3000.0



PLAN SURVEYED BY: *W. J. STOPP*  
 PLOTTED BY: *W. J. STOPP*  
 NOTE BOOK GRADES CHECKED: *W. J. STOPP*  
 NO. *5825* STRUCTURE NOTATIONS CHD. *W. J. STOPP*

PROFILE SURVEYED BY: *W. J. STOPP*  
 PLOTTED BY: *W. J. STOPP*  
 NOTE BOOK GRADES CHECKED: *W. J. STOPP*  
 NO. *5825* STRUCTURE NOTATIONS CHD. *W. J. STOPP*



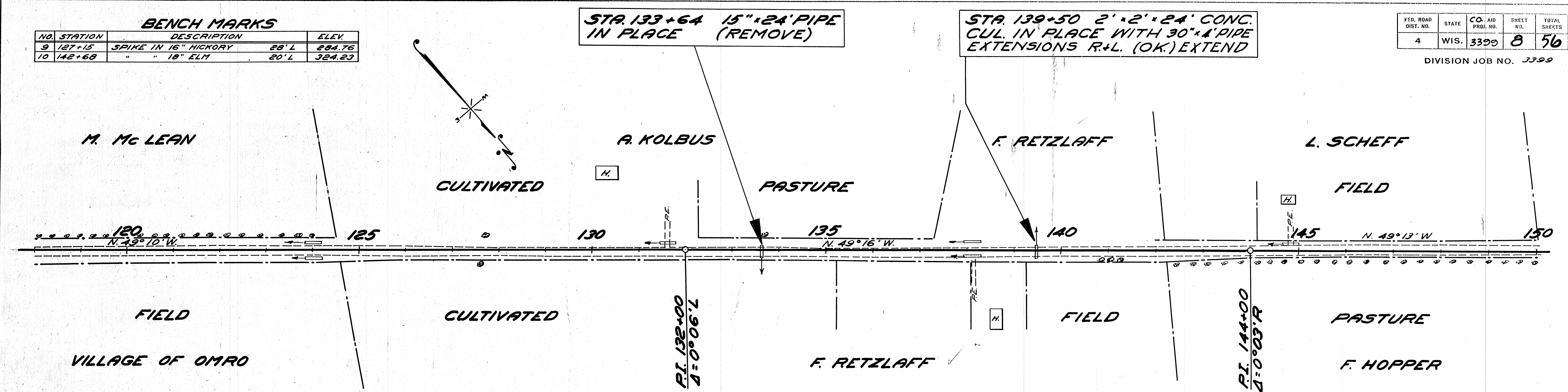
**BENCH MARKS**

NO.	STATION	DESCRIPTION	ELEV.
9	127+15	SPIKE IN 16" HICKORY	28' L 284.76
10	142+68	" " 18" ELM	20' L 324.23

FED. ROAD DIST. NO.	STATE	CO. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3399	8	56

DIVISION JOB NO. 3399

DATE  
BY  
CHECKED  
DATE  
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CHECKED  
DATE  
BY  
CHECKED

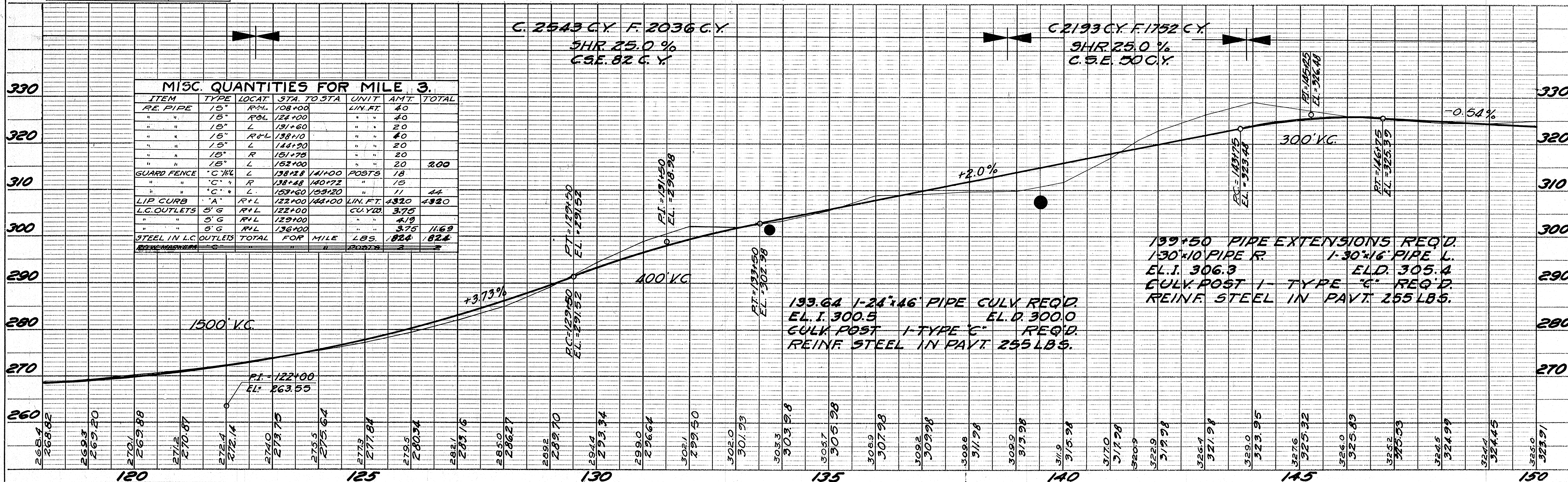


NET LENGTH OF CENTERLINE

STATION TO STATION	LIN. FT.	
120+00	150+00	3000.0

**MISC. QUANTITIES FOR MILE 3.**

ITEM	TYPE	LOCAT.	STA. TO STA.	UNIT	AMT.	TOTAL
R.E. PIPE	15"	R+L	108+00	LIN. FT.	40	
"	15"	R&L	124+00	"	40	
"	15"	L	131+60	"	20	
"	15"	R+L	138+40	"	40	
"	15"	L	144+20	"	20	
"	15"	R	151+78	"	20	
"	15"	L	152+00	"	20	200
GUARD FENCE	" C" 1/4"	L	138+28	POSTS	18	
"	" " C	R	138+68	"	13	
"	" " C	L	153+60	"	11	44
LIP CURB	" A	R+L	122+00	LIN. FT.	4320	4320
L.G. OUTLETS	" S' G	R+L	122+00	CU. YD.	3.75	
"	" " S' G	R+L	129+00	"	4.18	
"	" " S' G	R+L	136+00	"	3.75	11.69
STEEL IN L.G. OUTLETS	"	"	"	TOTAL FOR MILE	LBS. 824	1824



DATE  
BY  
CHECKED  
DATE  
BY  
CHECKED  
DATE  
BY  
CHECKED



FED. ROAD DIST. NO.	STATE	CO. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3399	9	56

DIVISION JOB NO. 3399

**BENCH MARKS**

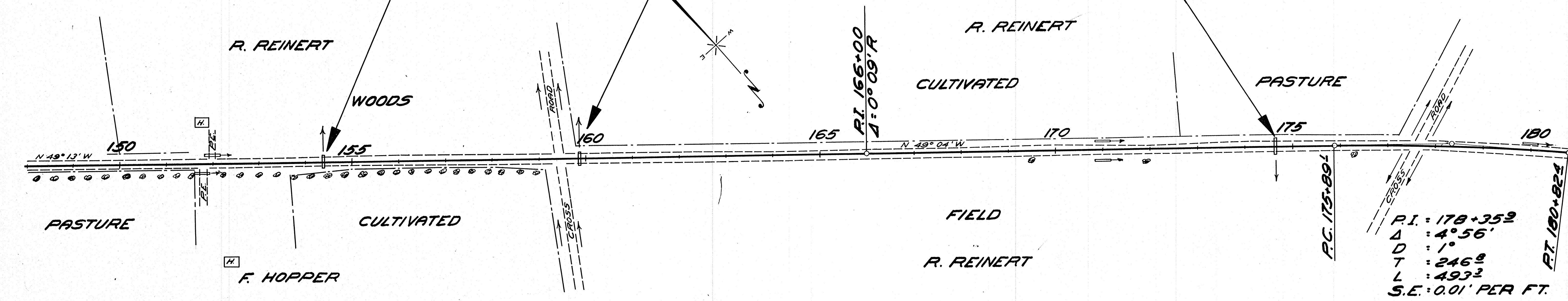
NO.	STATION	DESCRIPTION	ELEV.
11	157+45	SPIKE IN 14" OAK	33' L 319.81
12	170+75	" " 16" HICKORY	25' L 309.43
13	181+88	" " 12" APPLE	30' L 282.16

STA. 154+40 2'x2'x22' CONC. CUL. IN PLACE WITH 30"x4" PIPE EXTENSIONS R+L (O.K.) EXTEND.

STA. 159+88 2'x1'x22' CONC. CUL. IN PLACE WITH 18"x4" PIPE EXTENSIONS R+L (O.K.) EXTEND.

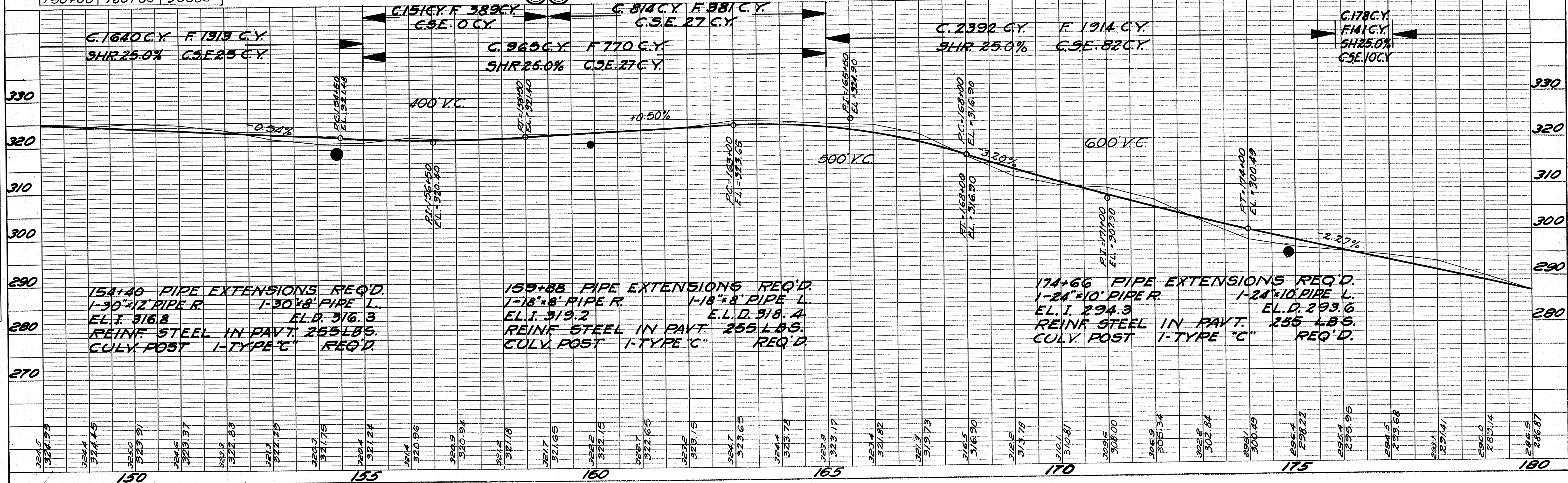
STA. 174+66 1 1/2'x1 1/2'x22' CONC. CUL. IN PLACE WITH 24"x4" PIPE EXTENSIONS R+L (O.K.) EXTEND.

DATE	
BY	W. H. HOPPER
PLANNED	
DESIGNED	
CHECKED	
APPROVED	



NET LENGTH OF CENTERLINE

STATION TO STATION	LIN. FT.
150+00 159+00	900.0
159+00 180+00	2100.0
150+00 180+00	3000.0

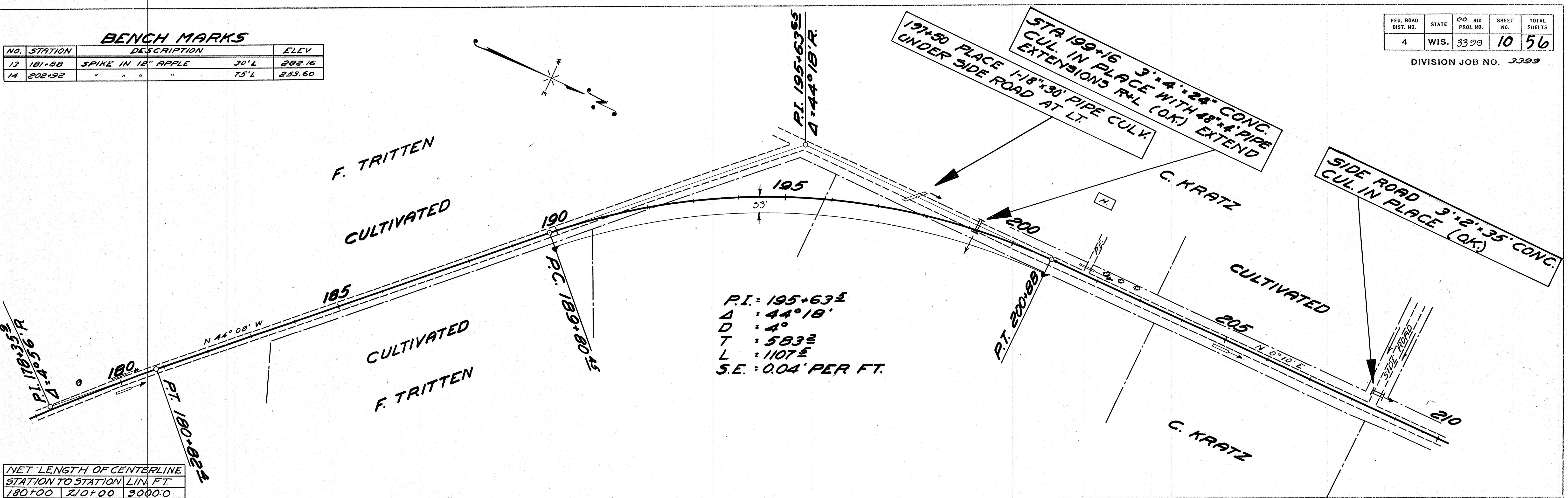
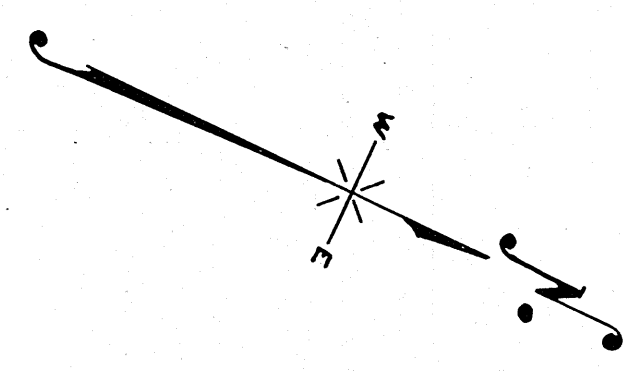


DATE	
BY	W. H. HOPPER
PROFILING	
DESIGNED	
CHECKED	
APPROVED	



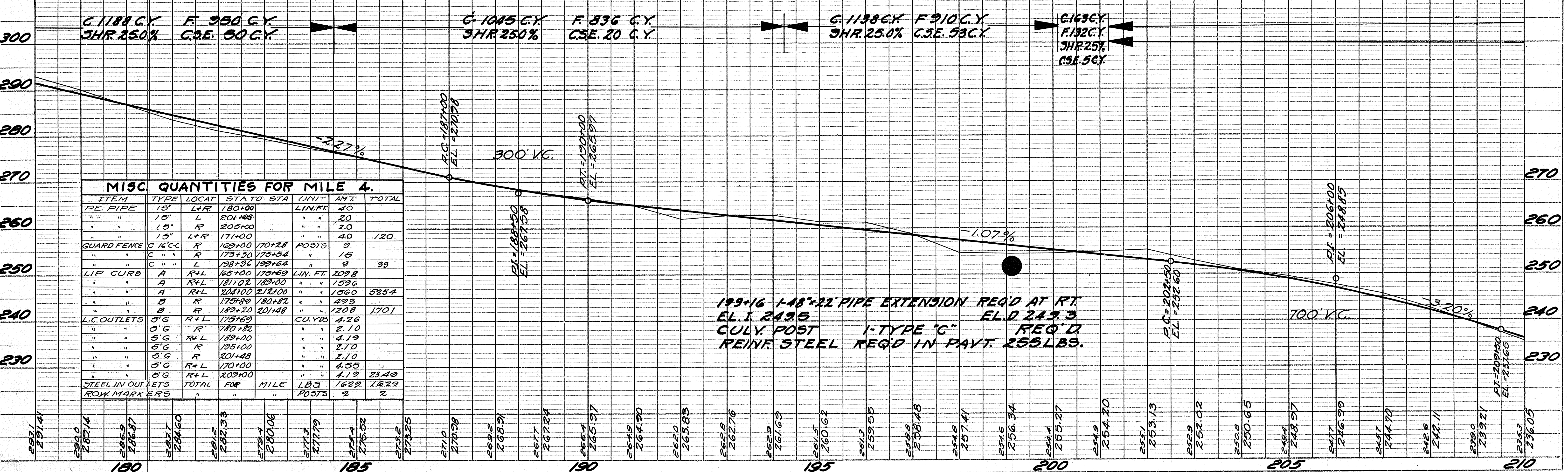
**BENCH MARKS**

NO.	STATION	DESCRIPTION	ELEV.
13	181+88	SPIKE IN 12" APPLE 30'L	282.16
14	202+92	" " " " 75'L	253.60



NET LENGTH OF CENTERLINE STATION TO STATION LIN. FT.

180+00	210+00	3000.0
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**MISC. QUANTITIES FOR MILE 4.**

ITEM	TYPE	LOCAT.	STA. TO STA.	UNIT	AMT.	TOTAL
RE. PIPE	15"	L+R	180+00	LIN. FT.	40	
"	15"	L	201+68	"	20	
"	15"	R	203+00	"	20	
"	15"	L+R	171+00	"	40	120
GUARD FENCE	C 16" C	R	169+00	POSTS	9	
"	"	R	173+30	"	15	
"	"	L	198+36	"	9	33
LIP CURB	A	R+L	165+00	LIN. FT.	209.8	
"	A	R+L	181+02	"	159.6	
"	A	R+L	204+00	"	156.0	525.4
"	B	R	175+89	"	493	
"	B	R	189+20	"	1208	1701
L.C. OUTLETS	5" G	R+L	173+69	CU. YDS	4.26	
"	5" G	R	180+82	"	2.10	
"	5" G	R+L	189+00	"	4.19	
"	5" G	R	195+00	"	2.10	
"	5" G	R	201+48	"	2.10	
"	5" G	R+L	170+00	"	4.55	
"	5" G	R+L	203+00	"	4.13	23.49
STEEL IN OUTLETS	TOTAL	FOR	MILE	LB'S	1629	1629
ROW MARKERS	"	"	"	POSTS	2	2



**BENCH MARKS**

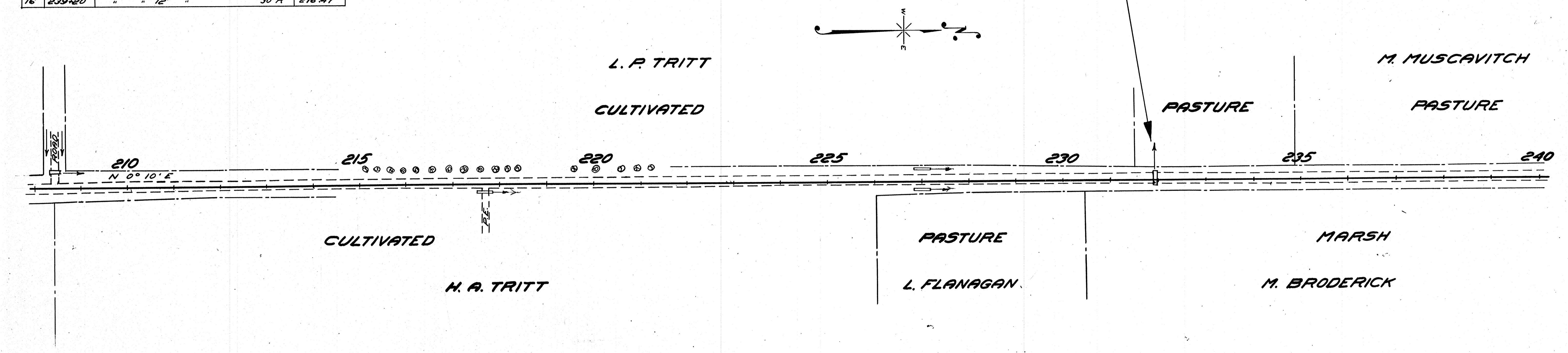
NO.	STATION	DESCRIPTION	ELEV.
15	217+4.5	SPIKE IN 18" ELM	30'L 221.34
16	239+20	" " 12" "	30'R 216.47

STA. 231+95 8'x4'x24" CONC. CUL. IN PLACE. O.K. EXTEND

FED. ROAD DIST. NO.	STATE	CO AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3399	11	56

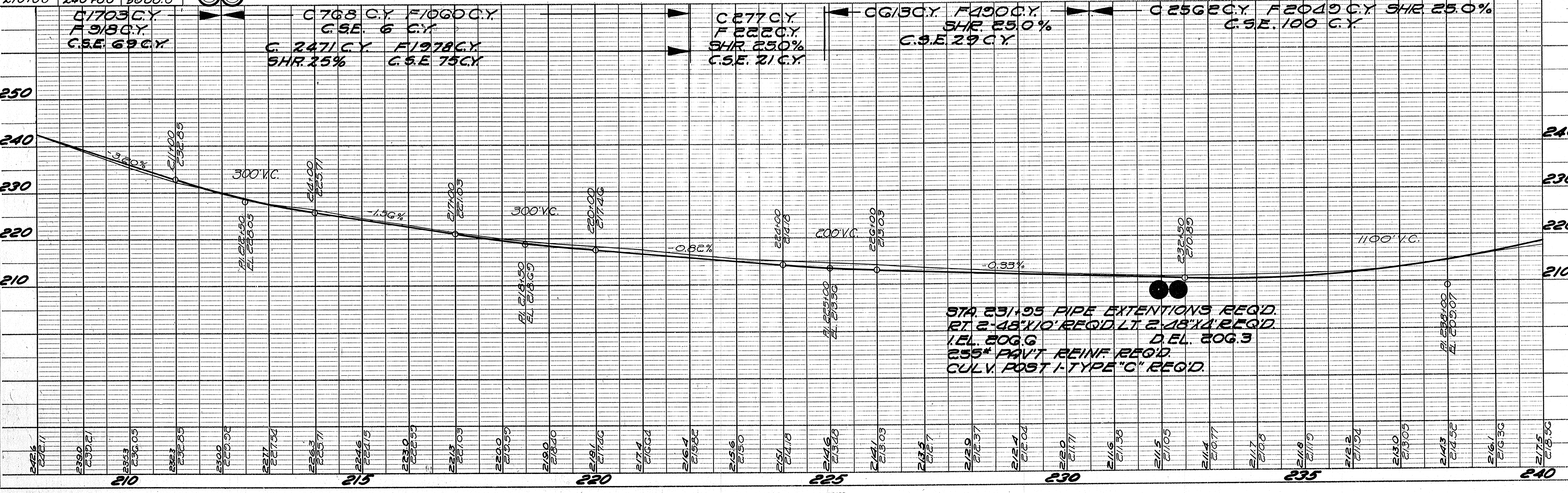
DIVISION JOB NO. 3399

PLAN  
 DRAWN BY: BISHOP  
 CHECKED BY: WELLEN-KUEHNER  
 DATE: 11/22/50  
 NO. 5822



**NET LENGTH OF CENTERLINE**

STATION TO STATION	LIN. FT.
210+00 TO 212+00	200.0
212+00 TO 240+00	2800.0
210+00 TO 240+00	3000.0



PROFILE  
 DRAWN BY: BISHOP  
 CHECKED BY: WELLEN-KUEHNER  
 DATE: 11/22/50  
 NO. 5822



STA. 265+12.1  
END OF C.O. AID  
PROJ. 3399

FED. ROAD DIST. NO.	STATE	C.O. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3399	12	56

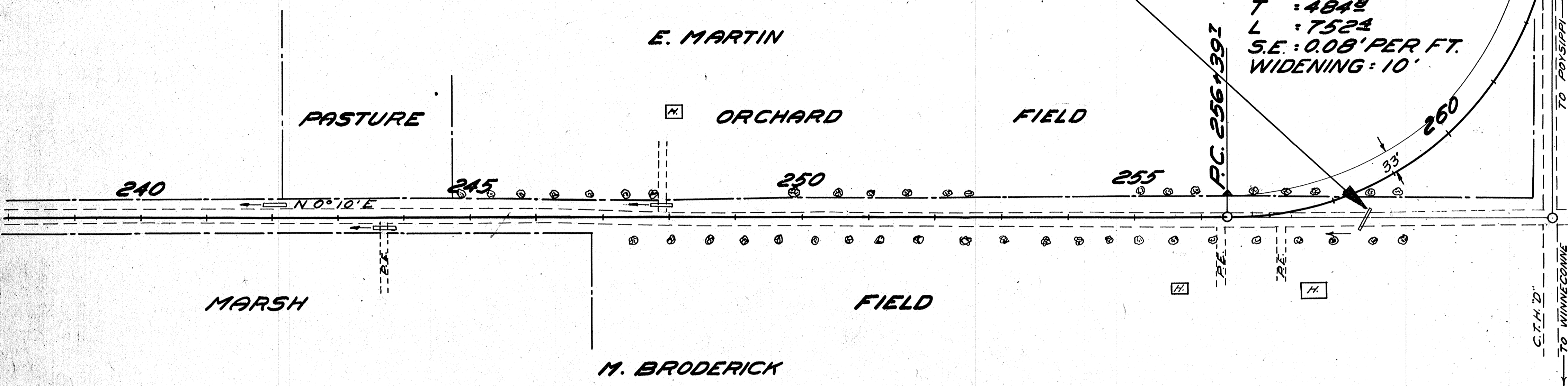
DIVISION JOB NO. 3399

**BENCH MARKS**

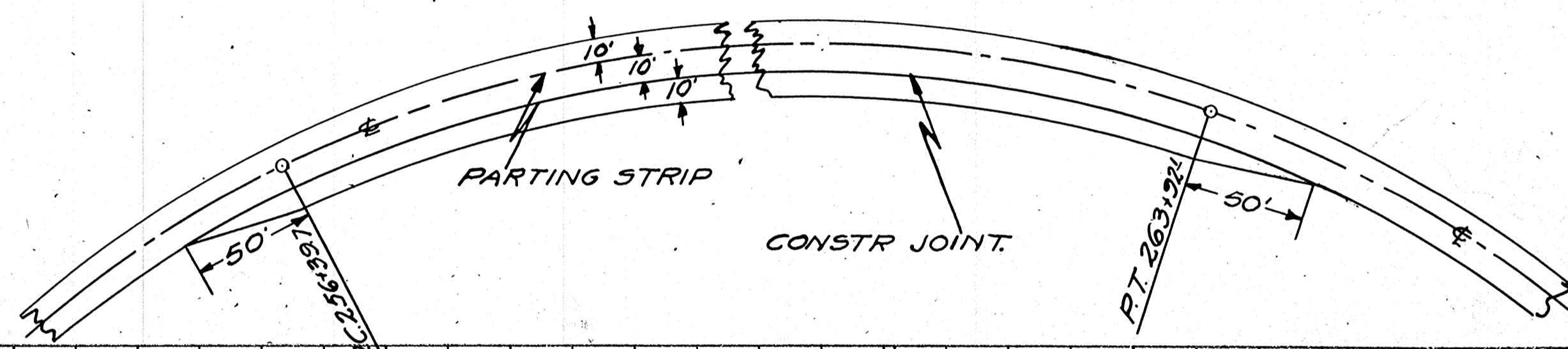
NO.	STATION	DESCRIPTION	ELEV.
16	239+20	SPIKE IN 12" ELM	30'R 216.47
17	260+10	" " 20" MAPLE	35'R 266.17

STA. 258+50 18" x 30' PIPE REQD UNDER SIDE ROAD ON RIGHT

P.T. 263+92.1  
P.I.: 261+24.5  
I: 90°47'  
D: 12°  
T: 484.8  
L: 752.4  
S.E.: 0.08' PER FT.  
WIDENING: 10'



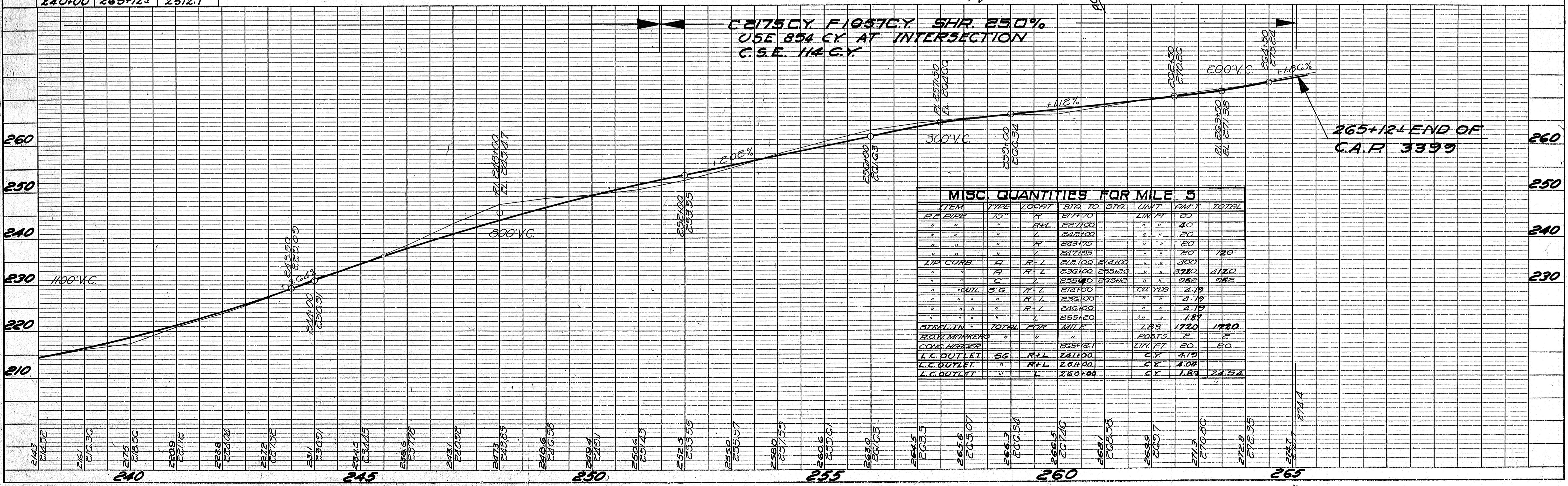
DETAIL OF PAVEMENT WIDENING FOR 12° CURVE  
ADDITIONAL QUANTITIES  
PAV'T. 891.5Q.YDS. 4-1" EXP. JTS. 8-CONT.  
SCALE 1" = 50'



NET LENGTH OF CENTERLINE  
STATION TO STATION LIN. FT.

240+00	265+12.1	2512.1
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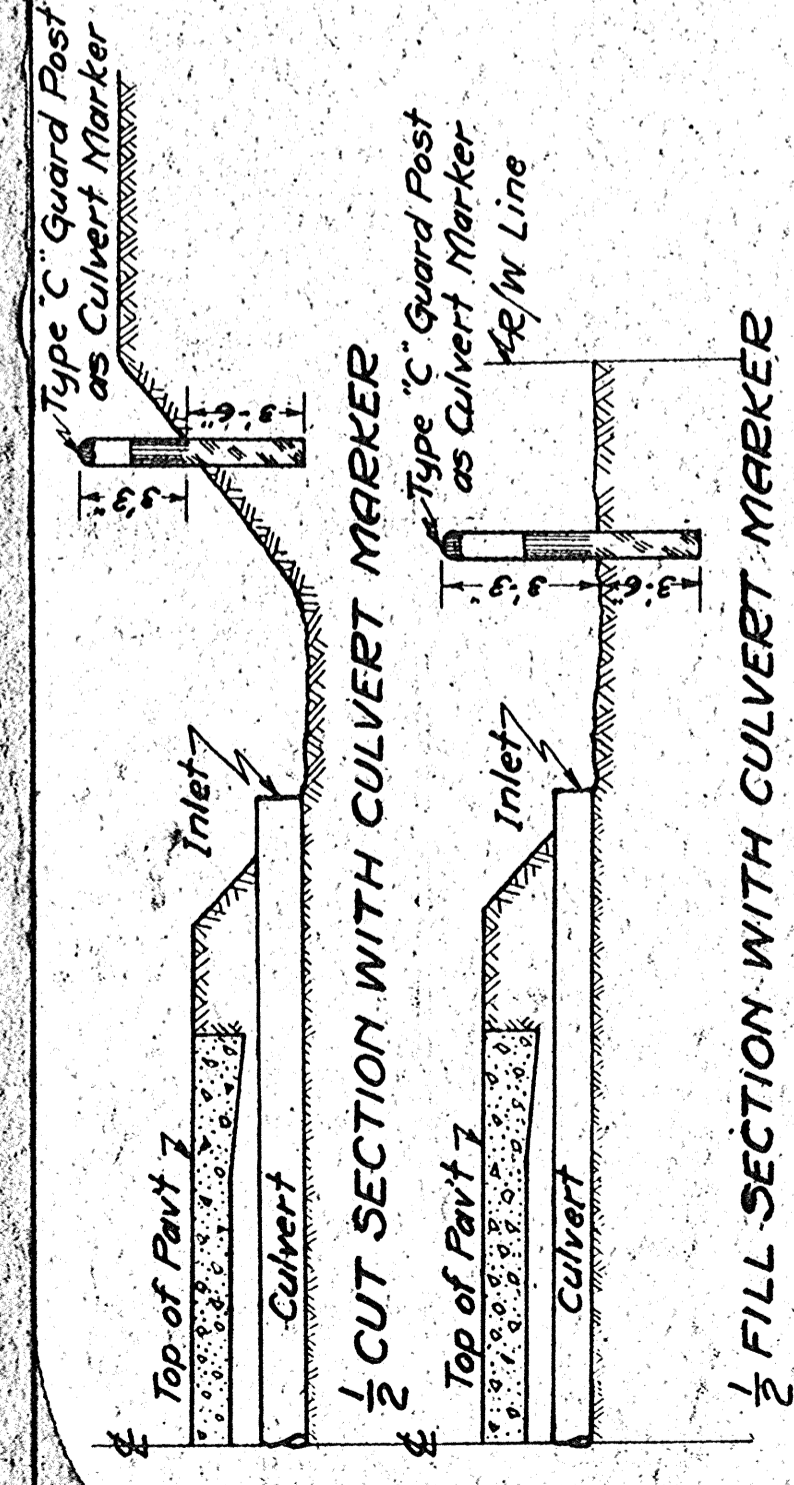
C. 2175 CY F. 1057 CY SHR. 25.0%  
USE 854 CY AT INTERSECTION  
C.S.E. 114 CY.



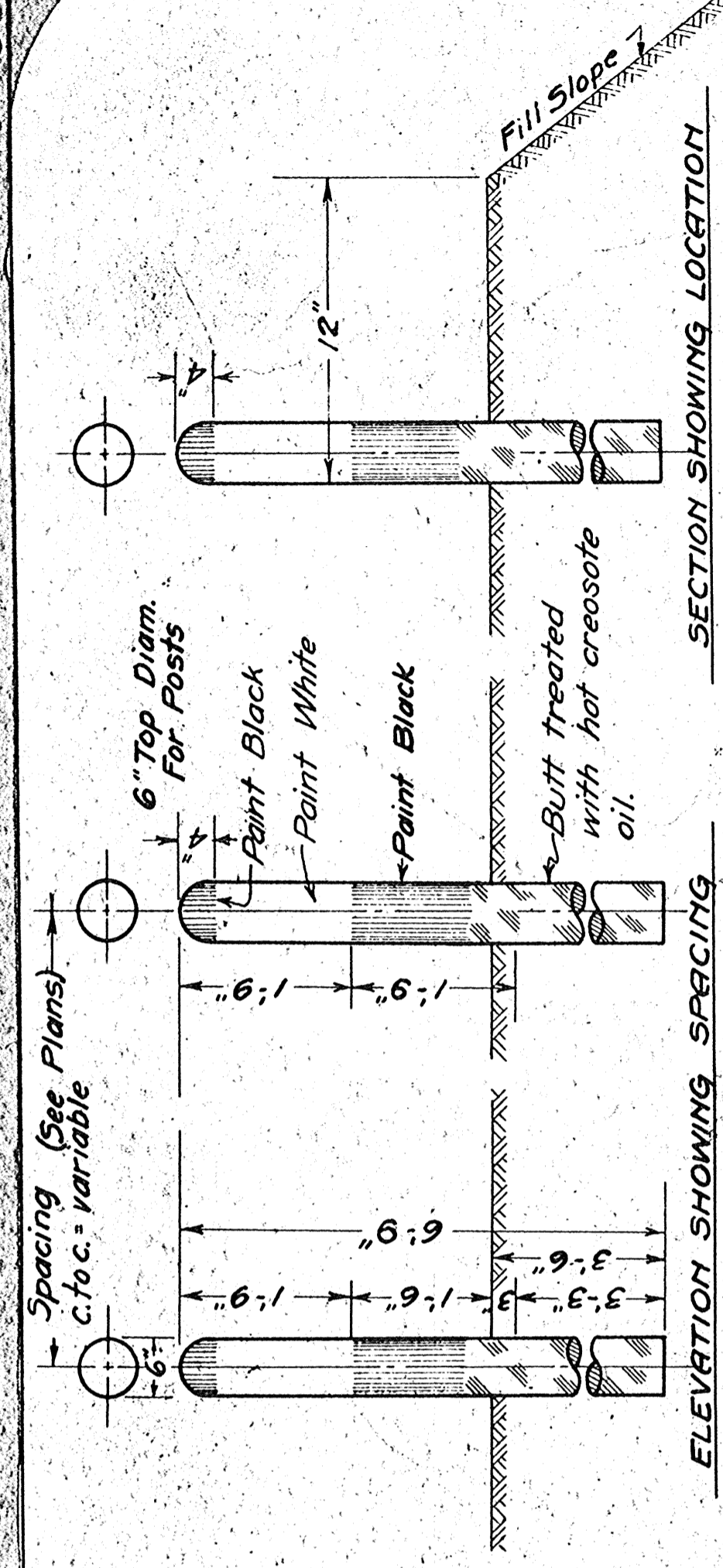
PLAN  
SURVEYED BY: E. H. METZGER  
PLOTTED BY: E. H. METZGER  
NOTE BOOK NO. 8222  
PLACEMENT CHECKED BY: E. H. METZGER  
FT. OF WAY CHECKED BY: E. H. METZGER

PROFILE  
SURVEYED BY: E. H. METZGER  
PLOTTED BY: E. H. METZGER  
NOTE BOOK NO. 8222  
GRADES CHECKED BY: E. H. METZGER  
S.M. NOTED BY: E. H. METZGER  
STRUCTURE NOTATIONS CHKD. BY: E. H. METZGER





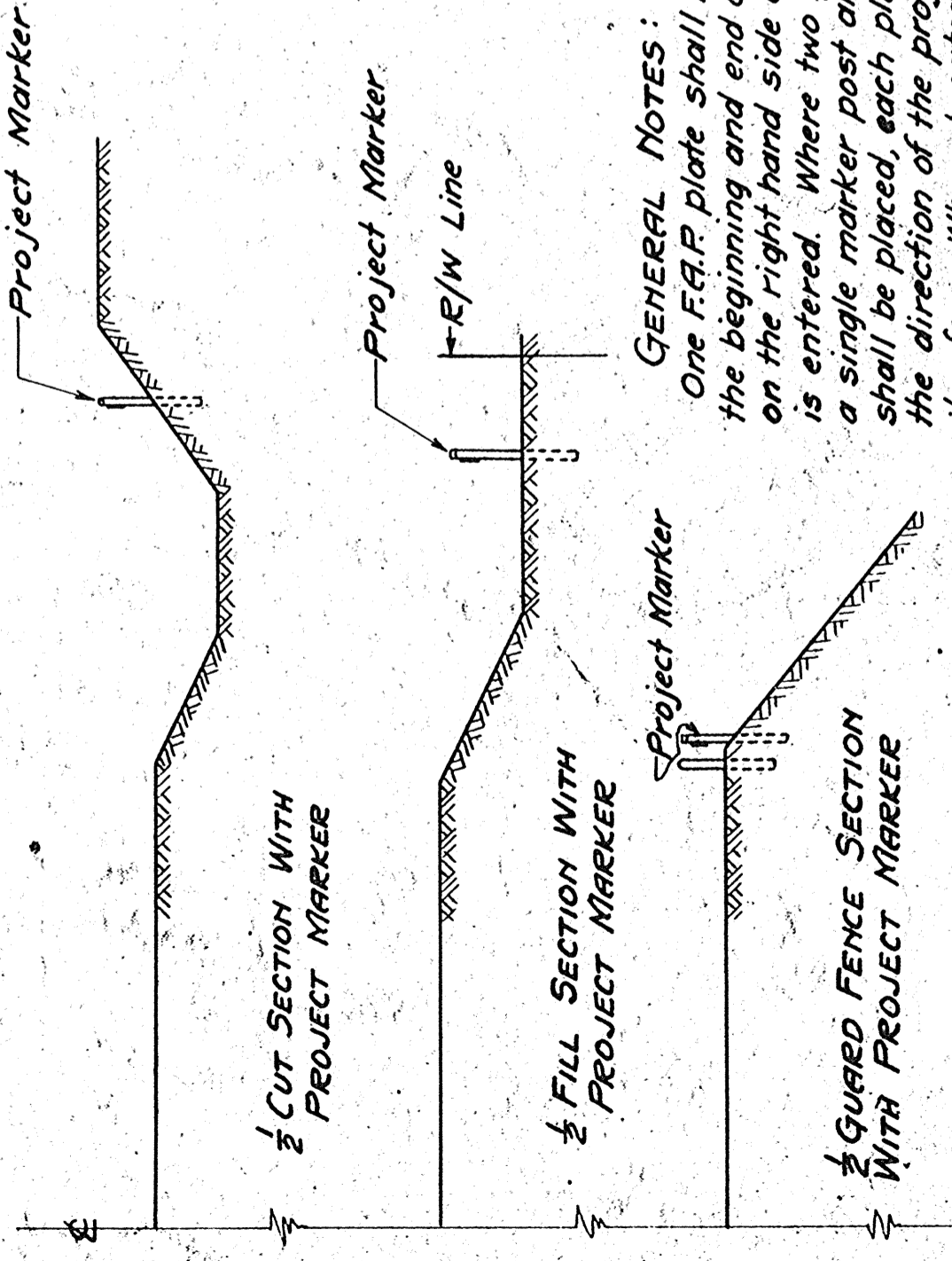
**1/2 CUT SECTION WITH CULVERT MARKER**  
Type "C" Guard Post as Culvert Marker to be placed at inlet end of culvert. Place post clear of channel.  
In Cut place post on back slope.  
In Fill place post beyond end of pipe so it is visible from the roadway.



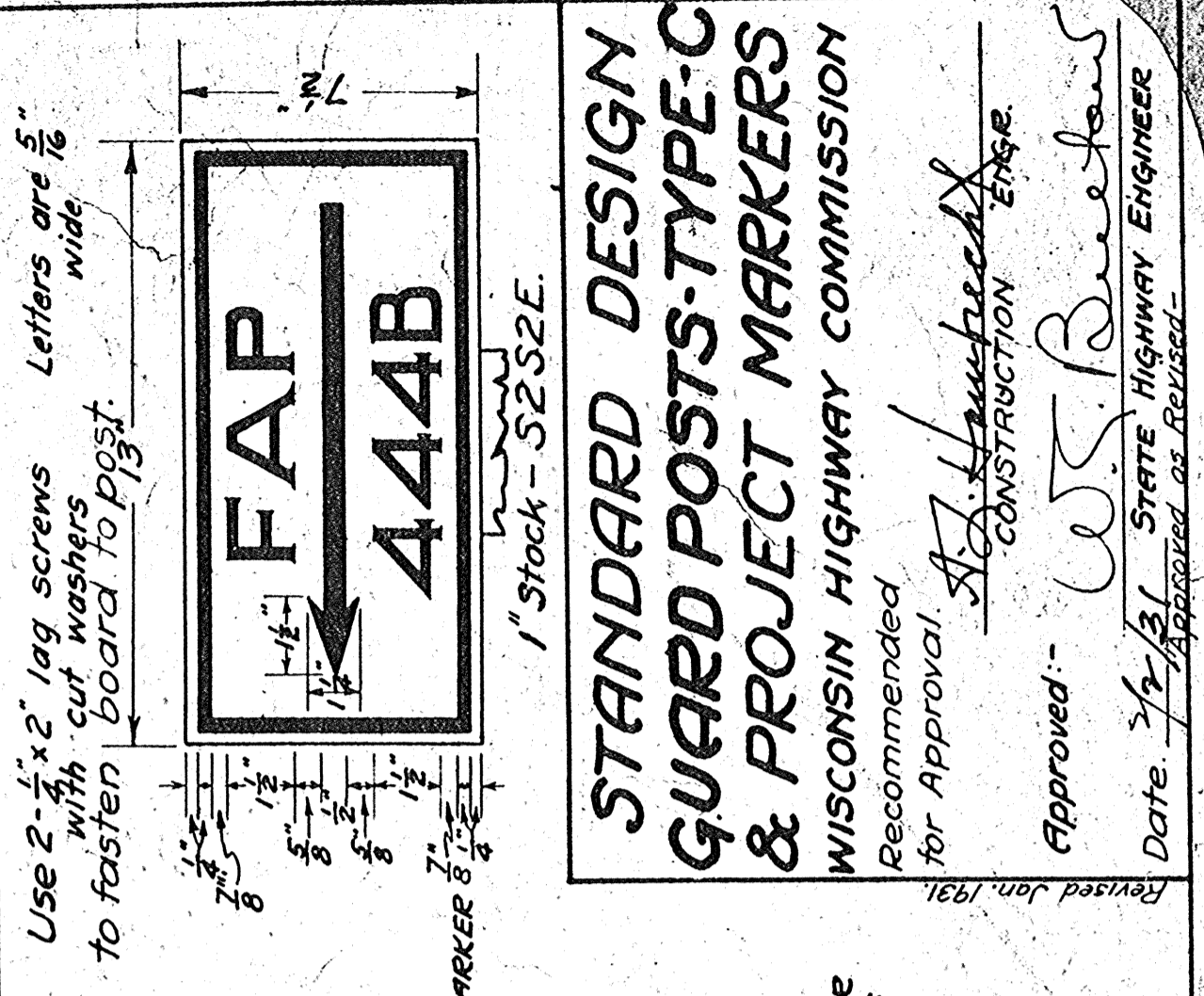
**GENERAL NOTES:** Posts to have minimum top diam. of 6". Tops of posts shall be neatly rounded. Untreated portion of all posts shall be stained to the white before painting. All posts shall receive 3 coats of paint according to specifications and colors as shown.

**GUARD POSTS TYPE C**

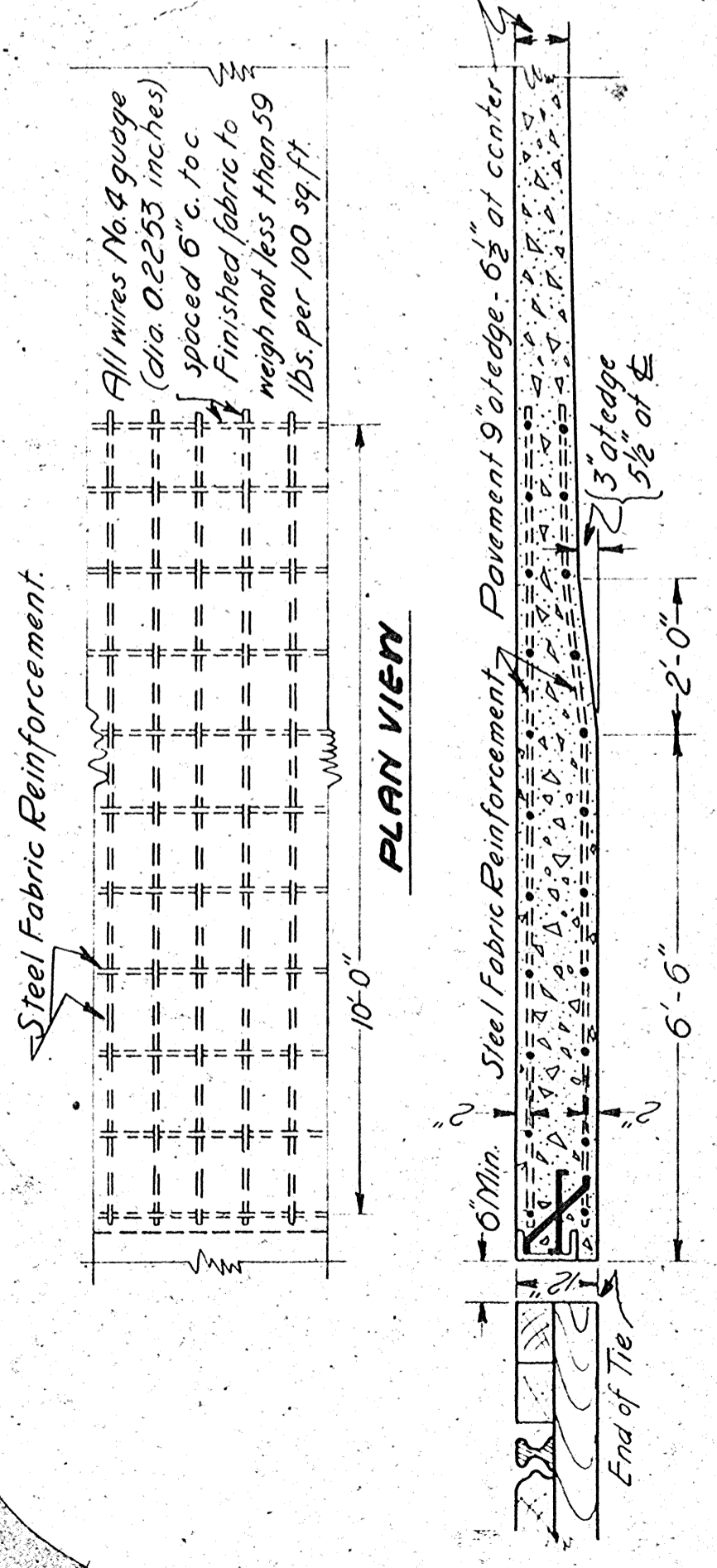
**PROJECT MARKERS**



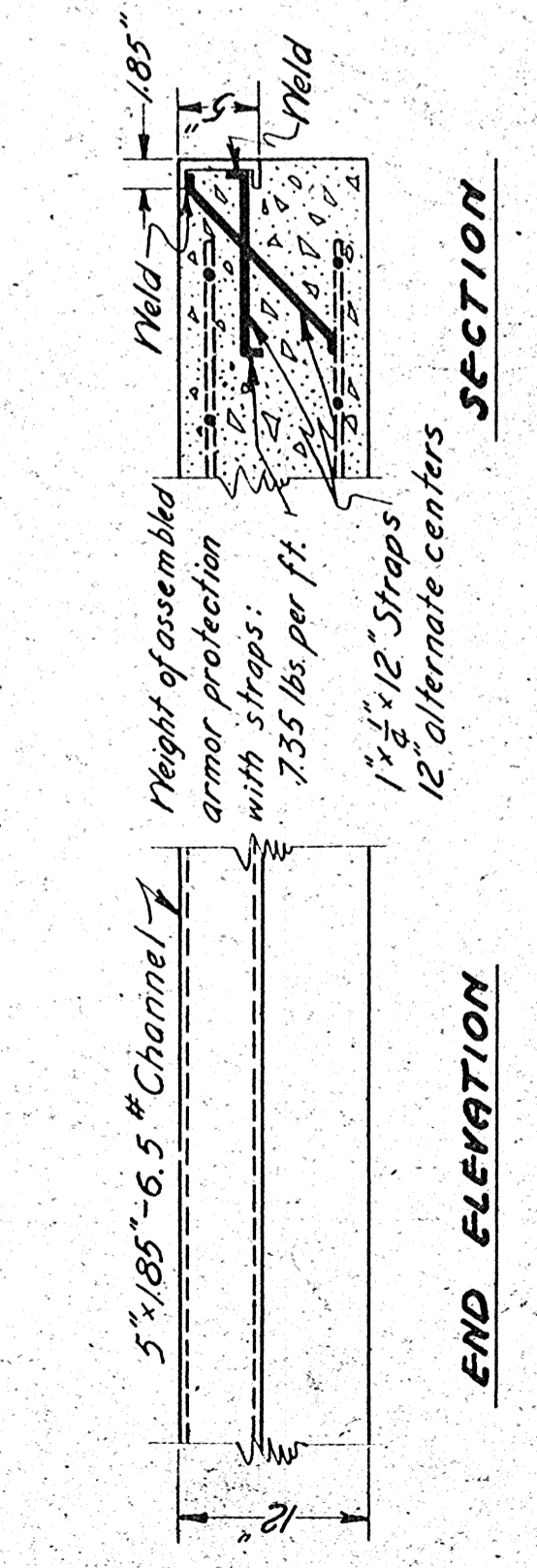
**GENERAL NOTES:**  
One F.A.P. plate shall be placed at the beginning and end of each F.A.P. on the right hand side as the project is entered. Where two projects adjoin, a single marker post and two plates shall be placed, each plate pointing in the direction of the project to which it refers. Where treated post is used a tight fitting Fiber Washer between post and plate shall be used.



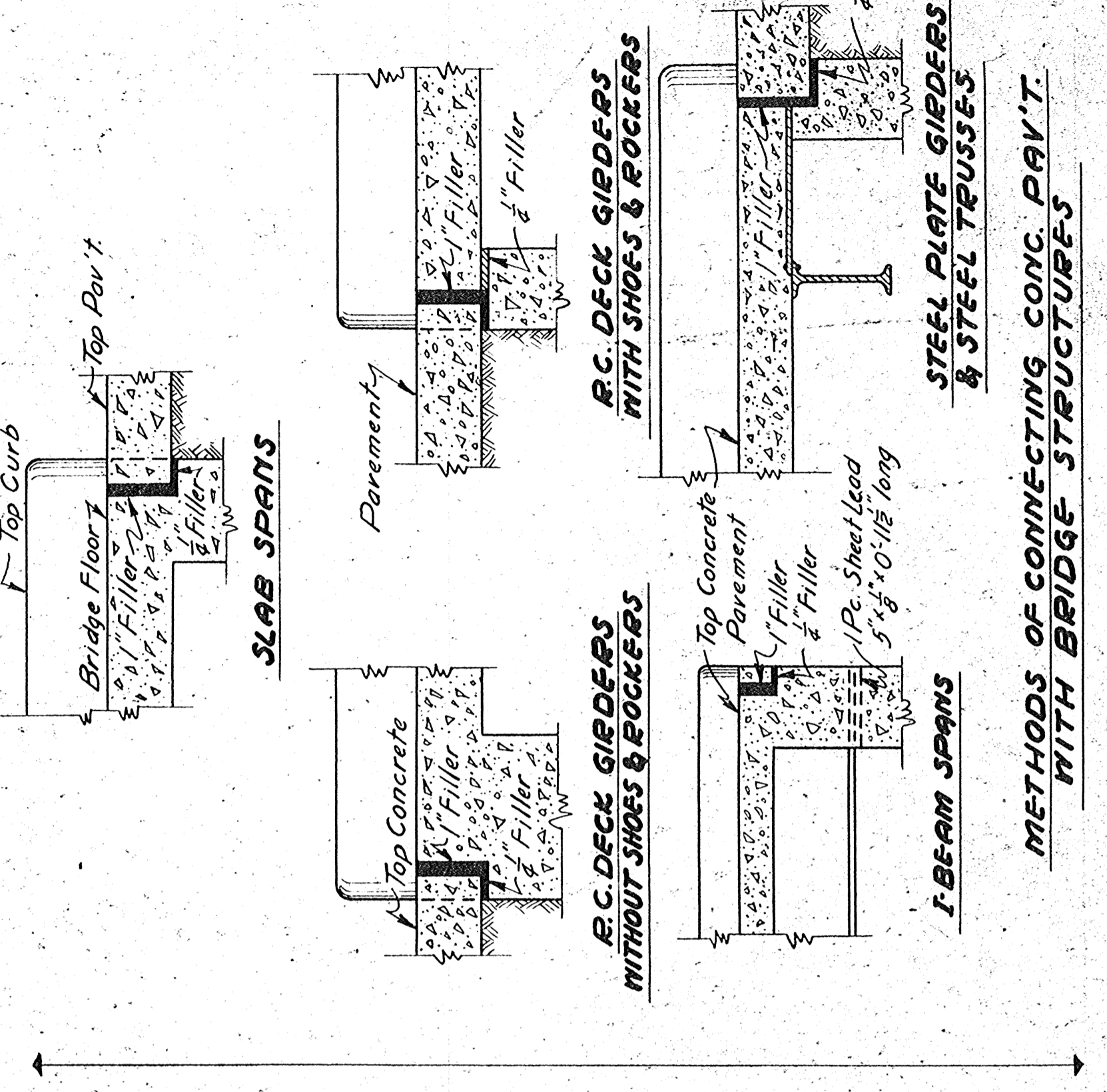
**STANDARD DESIGN GUARD POSTS-TYPE-C & PROJECT MARKERS**  
WISCONSIN HIGHWAY COMMISSION  
Recommended for Approval.  
Approved: *W.S. Buehler*  
Date: 7/2/31  
STATE HIGHWAY ENGINEER  
Approved as Revised



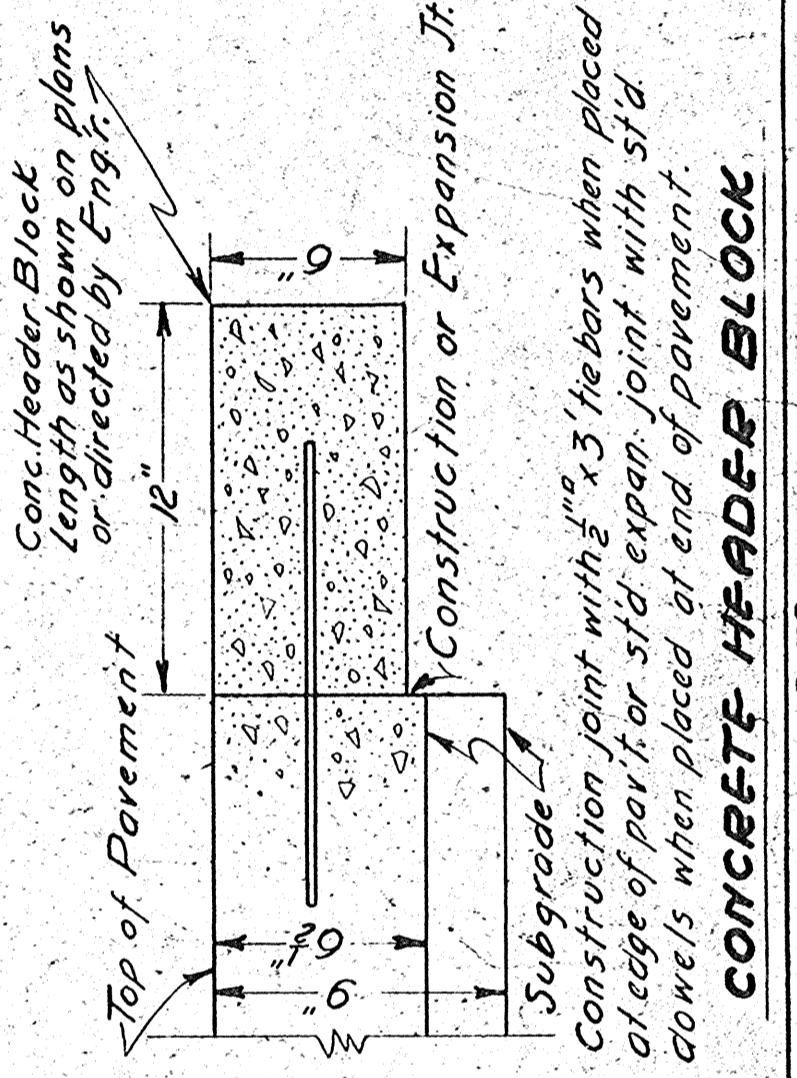
**SECTION AT RIGHT ANGLES TO TRACK SHOWING REINFORCING**



**NOTE FOR STANDARD DESIGN OF RAILROAD CROSSING APPROACH SHOWING ARMOR PROTECTION:**  
Protect ends of pavement at railroad crossings as shown.  
Pavement to be flat. Crown to be worked out in 25 feet.  
Additional concrete required in pavement to be converted in 5% lbs. of standard concrete pavement and paid for as such.  
Armor protection shown to be measured by the pound and paid for at the contract unit price bid in the proposal for "Armor Protection" which price shall be full compensation for furnishing complete in place.

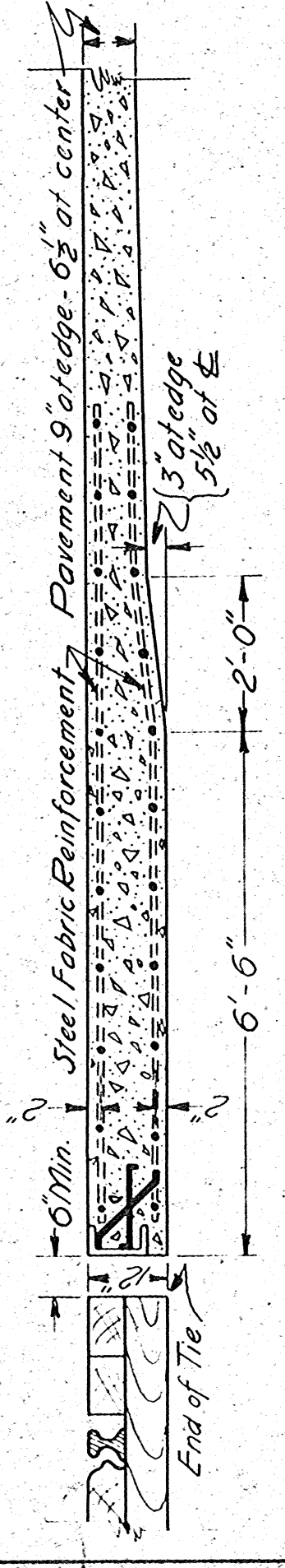
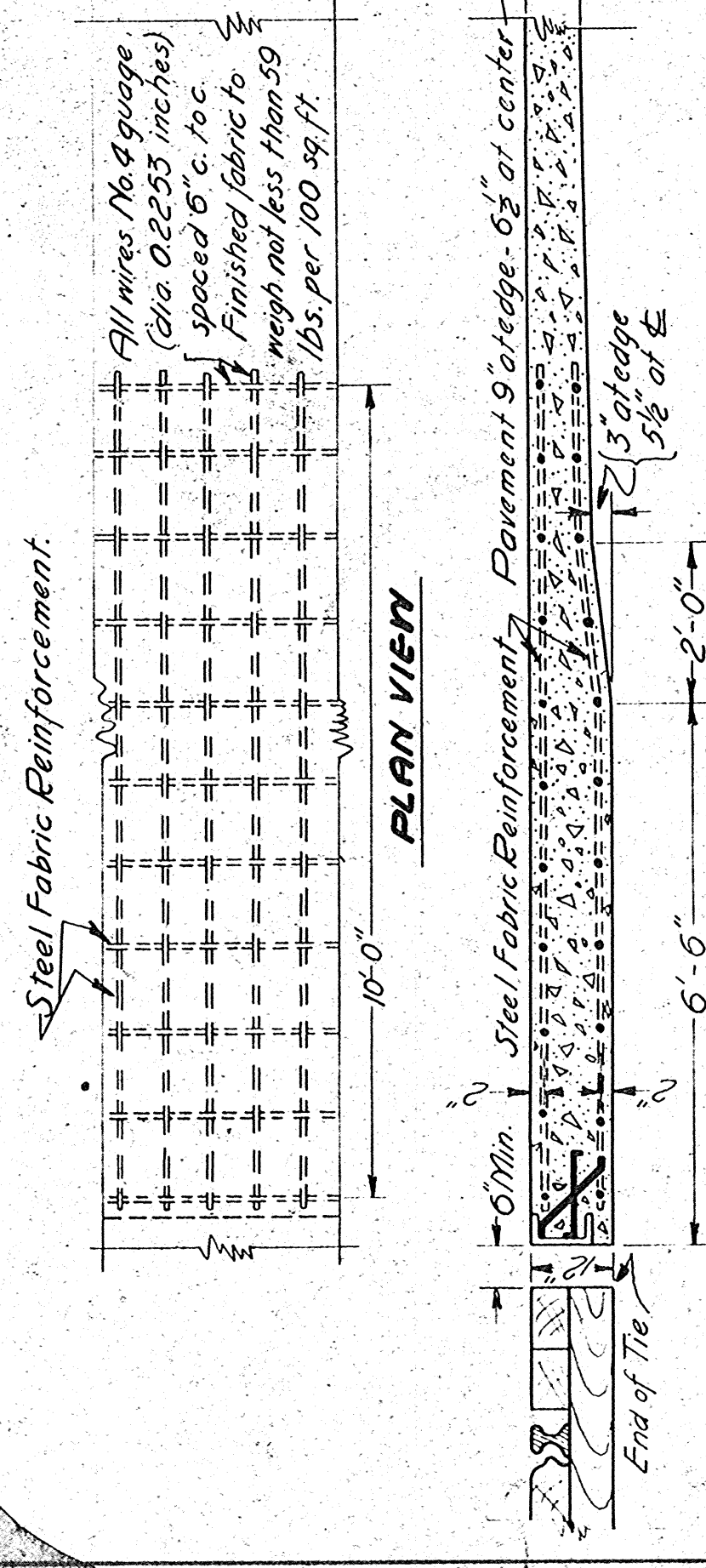


**METHODS OF CONNECTING CONC. PAV'T WITH BRIDGE STRUCTURES**

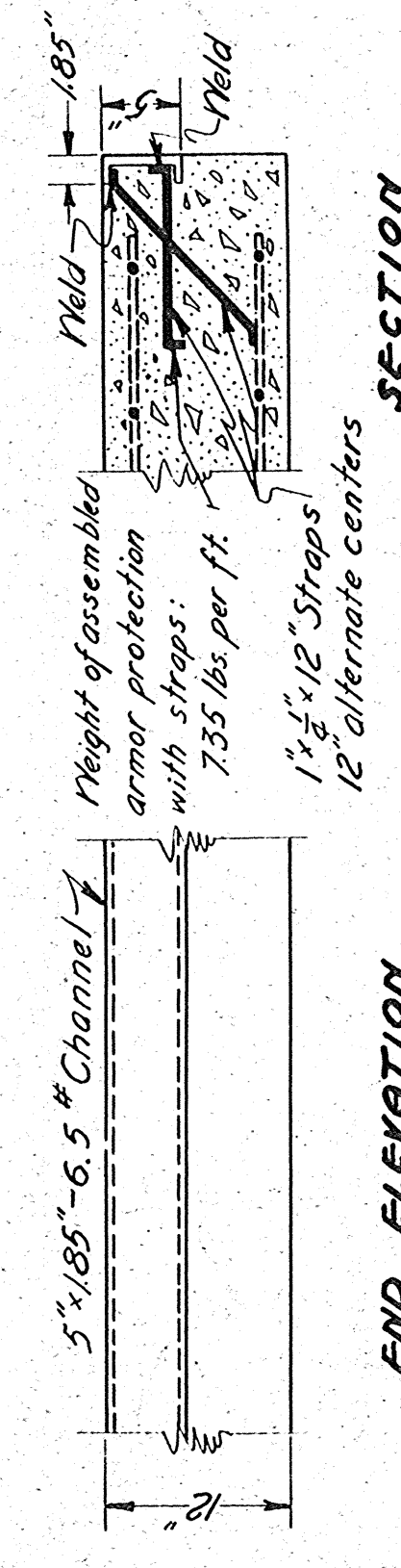


**STANDARD DESIGN PAVEMENT CROSSINGS-PAVEMENT CONNECTIONS WITH BRIDGE AND CONCRETE HEADER BLOCK**  
WISCONSIN HIGHWAY COMMISSION  
Recommended for approval: *W.S. Buehler*  
CONSTRUCTION ENGR.  
Approved: *W.S. Buehler*  
Date: 7/2/31  
STATE HIGHWAY ENGR.





SECTION AT RIGHT ANGLES TO TRACK SHOWING REINFORCING

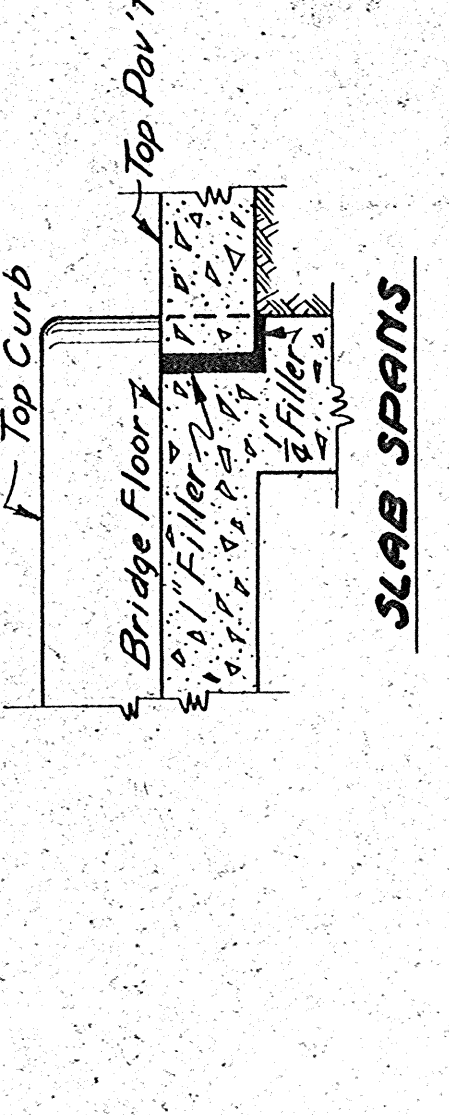


END ELEVATION

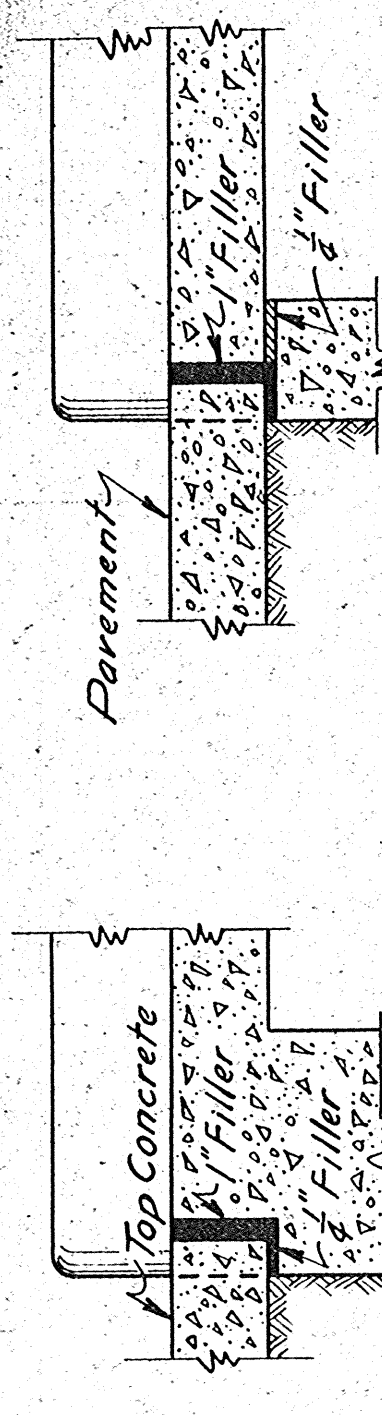
ARMOR PROTECTION AT R.R. CROSSING

NOTE FOR STANDARD DESIGN OF RAILROAD CROSSING APPROACH SHOWING ARMOR PROTECTION:

- Protect ends of pavement at railroad crossings as shown.
- Pavement to be flat. Crown to be worked out in 25 feet.
- Additional concrete required in pavement to be covered in 50 Yds. of standard concrete pavement and paid for as such.
- Armor protection shown to be measured by the pound and paid for at the contract unit price bid in the proposal for "Armor Protection", which price shall be full compensation for furnishing complete in place.

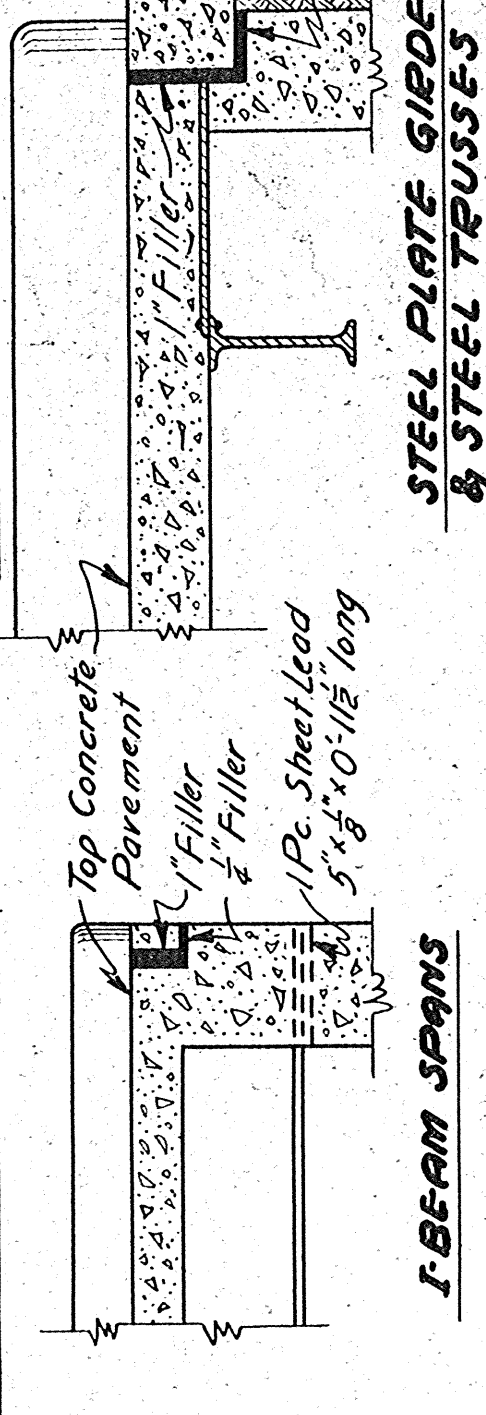


SLAB SPANS



R.C. DECK GIRDEES WITHOUT SHOES & ROCKERS

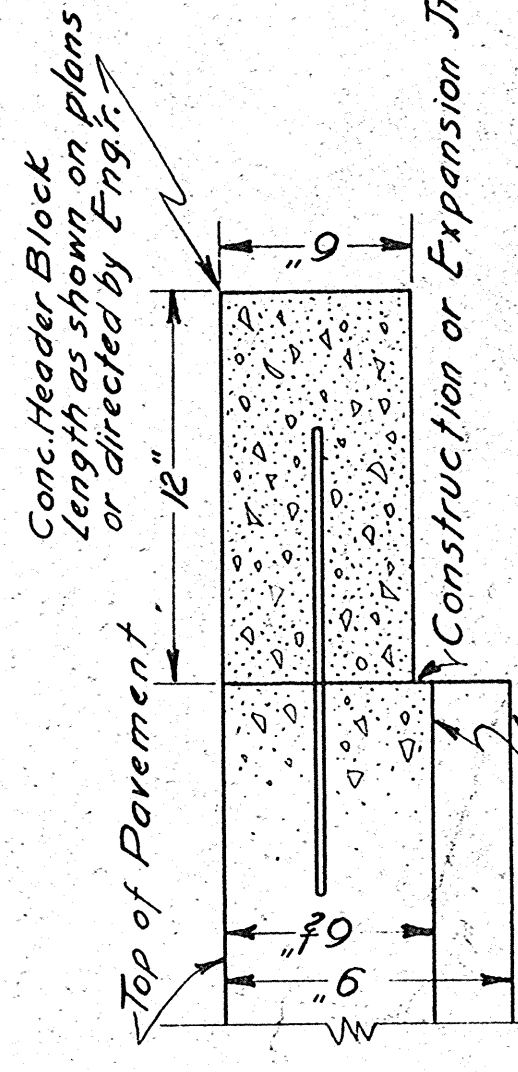
R.C. DECK GIRDEES WITH SHOES & ROCKERS



I-BEAM SPANS

STEEL PLATE GIRDEES & STEEL TRUSSES

METHODS OF CONNECTING CONC. PAV'T. WITH BRIDGE STRUCTURES

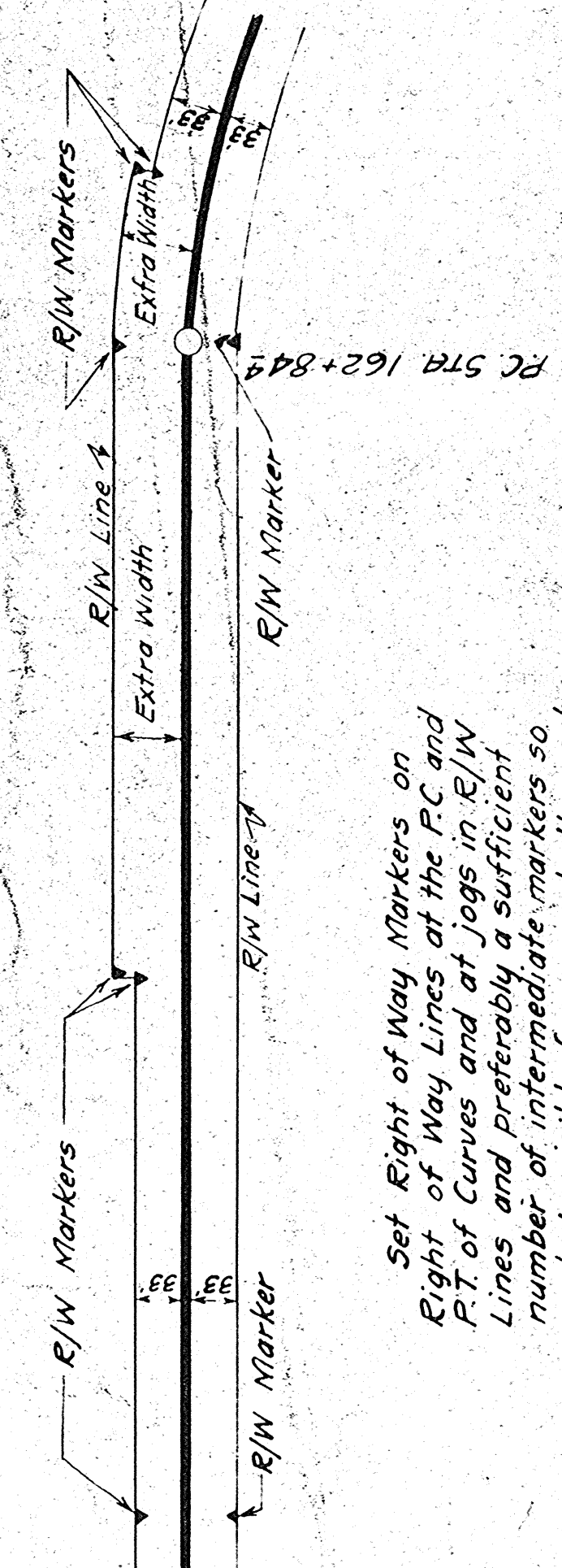


Construction joint with  $\frac{1}{2}$ " x 3 tie bars when placed at edge of pav't; or std. expan. joint with std. gowels when placed at end of pavement.

CONCRETE HEAD-ER BLOCK

STANDARD DESIGN PAVEMENT REINFORCEMENT AT RAILROAD CROSSINGS-PAVEMENT CONNECTIONS WITH BRIDGES AND CONCRETE HEAD-ER BLOCK. WISCONSIN HIGHWAY COMMISSION

Recommended for approval: *A. J. Hummel* CONSTRUCTION ENGR.  
 Approved: *W. S. Brewster* STATE HIGHWAY ENGR.  
 Date: 7/5/31

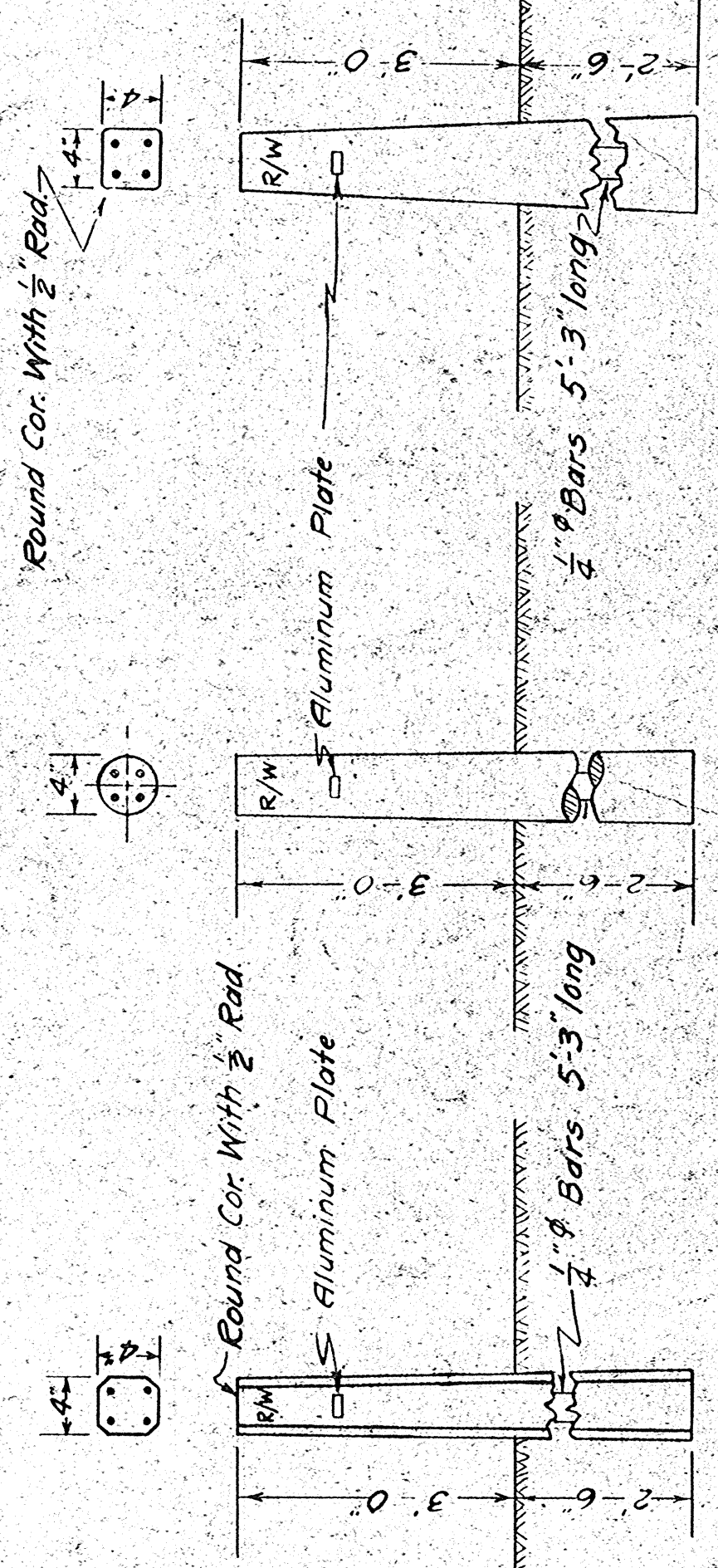


LAYOUT SHOWING LOCATION OF RIGHT OF WAY MARKERS

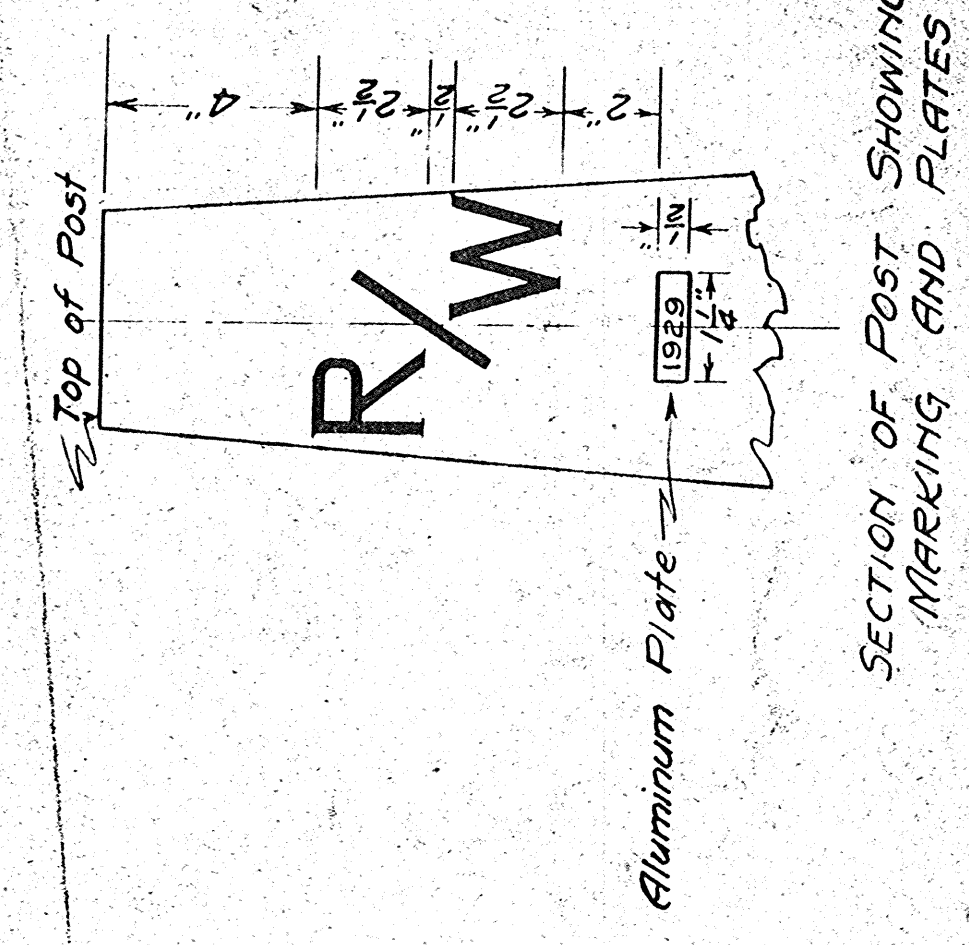
Set Right of Way Markers on Right of Way Lines at the FC and P.T. of Curves and at Jogs in R/W Lines and preferably a sufficient number of intermediate markers so as to be visible from one to the next.  $\blacktriangle$  R/W Markers

GENERAL NOTES:  
 Cement Aggregates, Reinforcing Steel and Water to conform to the requirements of the Standard Specifications of W.H.C.  
 Mixture to be used to be approved by the Engineer.

Markers to be set where shown on plan or directed by Engineer. The stamped side of marker to face the  $\phi$  of the Highway. Set the back face of the marker on the Right of Way Line. Design of post to be as shown or approved by Engineer.



DESIGN OF CONCRETE MARKER POSTS POST TO BE REINFORCED WITH 4 1/2" ROUND BARS OR THE EQUIVALENT.



SECTION OF POST SHOWING MARKING AND PLATES

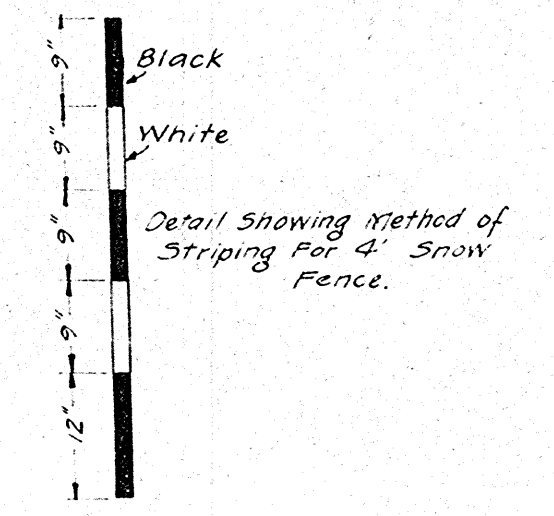
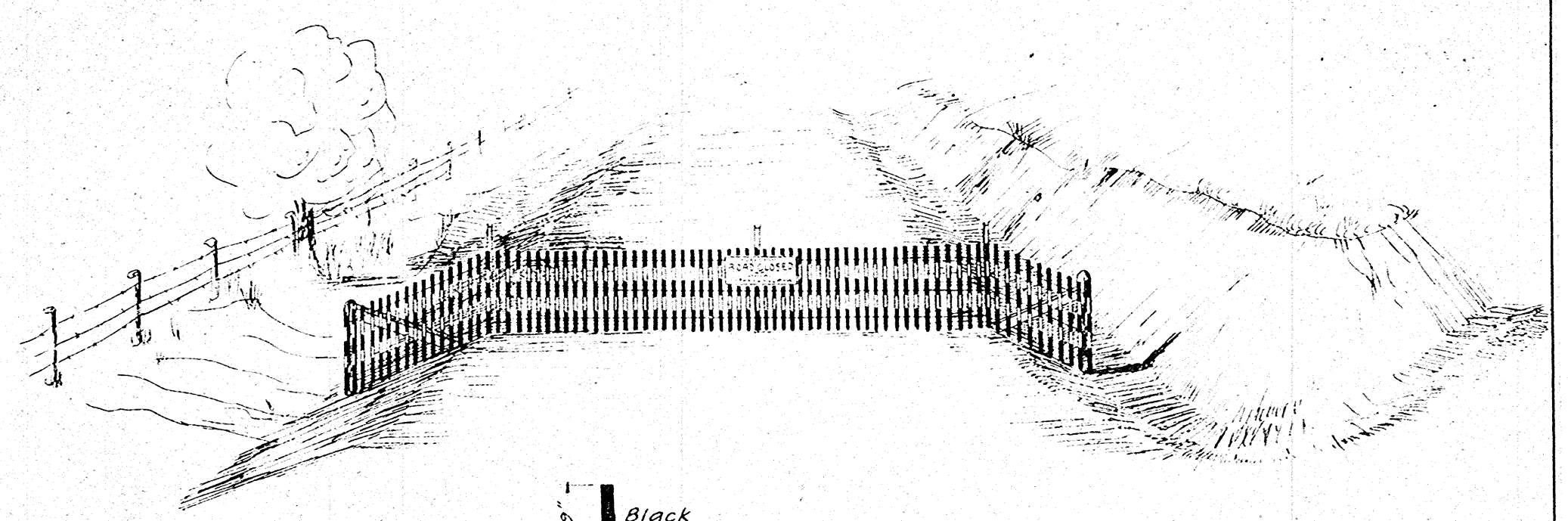
BLANK ALUMINUM PLATE NO. 149A TO BE PLACED IN POST AT TIME OF MANUFACTURE. STAMP PLATE WITH YEAR OF CONSTRUCTION OF PROJECT.

STANDARD DESIGN R/W MARKER POST WISCONSIN HIGHWAY COMMISSION

Recommended for Approval: *A. J. Hummel* CONSTRUCTION ENGINEER  
 Approved: *W. S. Brewster* STATE HIGHWAY ENGINEER  
 Date: 7/5/31



Section of Snow Fence to be painted alternately black and white as shown below.  
 Length to be sufficient to reach from ditch to ditch.  
 To be erected on channel iron posts; Ends to be supported by 2 cedar posts & securely braced.  
 Standard "Road Closed" Sign (W.H.C. "R-6") to be erected on fence at top on centerline of road.



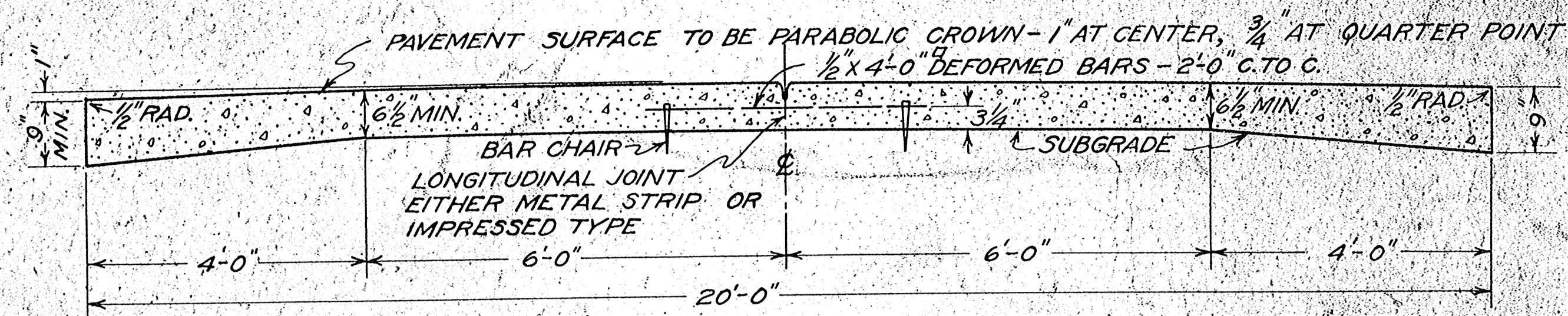
**CONSTRUCTION BARRICADE**

WISCONSIN HIGHWAY COMMISSION  
 Approved: *W. S. Buelow*  
 State Highway Engineer 3/2/31  
 Drawn E-3-31 - F.L.B. - Not to Scale

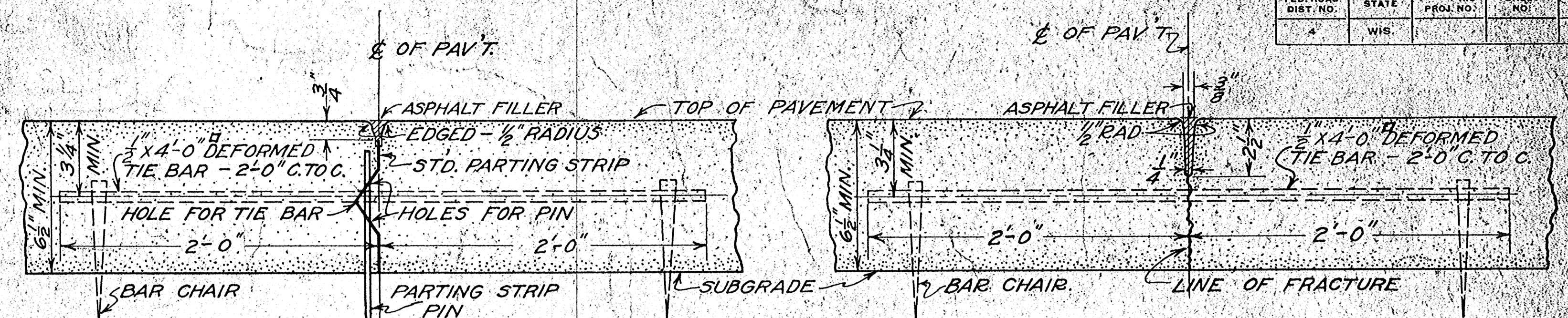
C-48

9

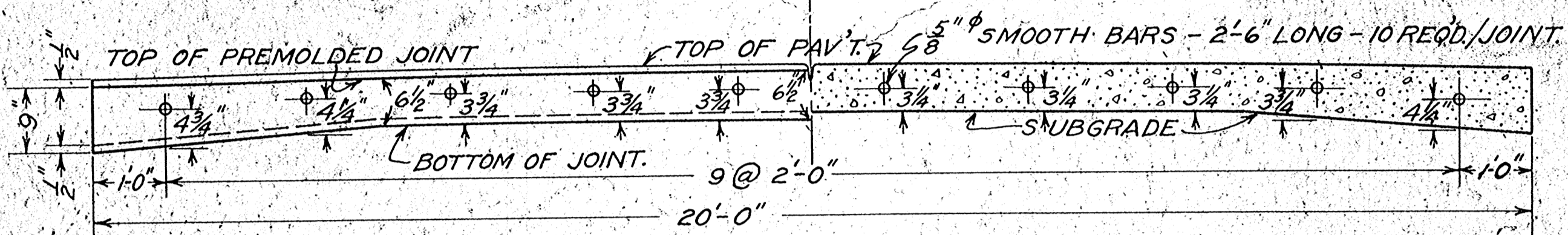




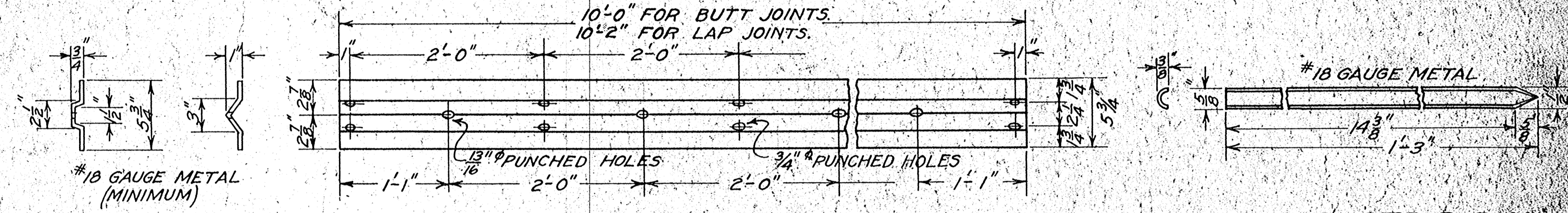
**TYPICAL CROSS SECTION.**  
SECTION AREA = 11.68 SQ. FT.



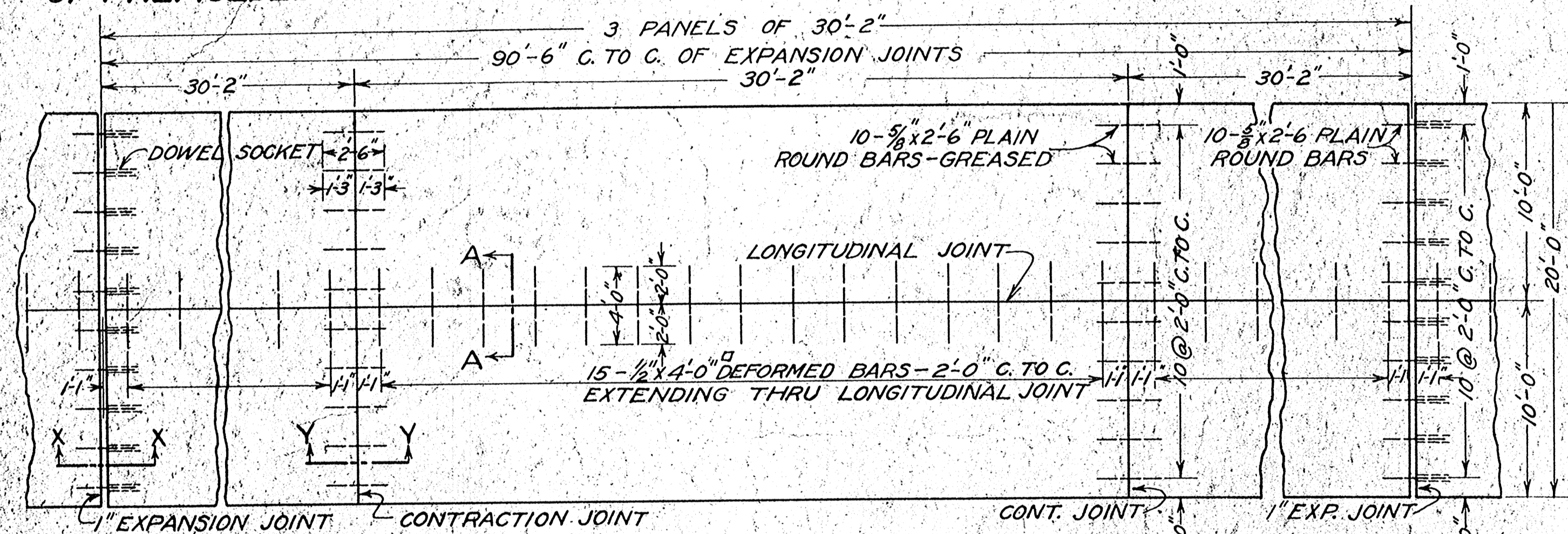
**SECTION A-A ALTERNATE TYPES OF LONGITUDINAL JOINT.**  
PARTING STRIP TYPE. IMPRESSED TYPE.



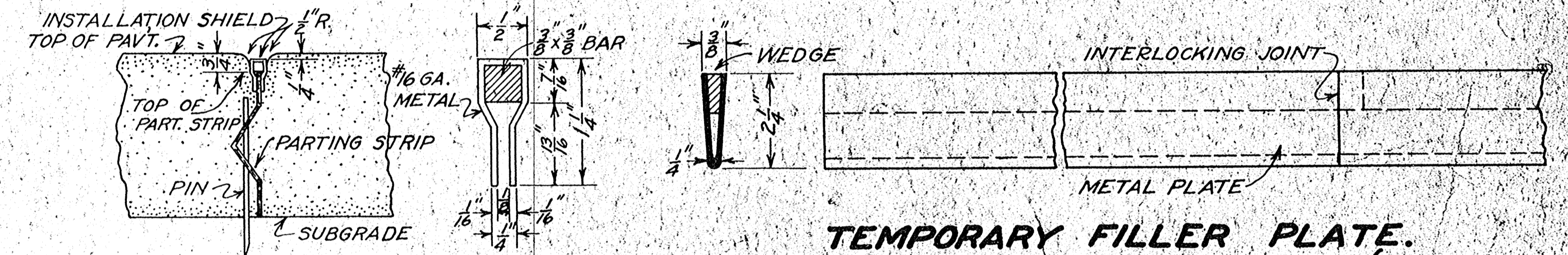
**HALF SECTION SHOWING PUNCHING OF PREMOLDED JOINT FOR DOWELS.**  
**HALF SECTION SHOWING LOCATION OF DOWELS.**



**STD. PARTING STRIP FOR LONGITUDINAL JOINT.**  
**PARTING STRIP PIN.**



**PLAN SHOWING JOINT LAYOUT.**



**INSTALLATION SHIELD FOR LONGITUDINAL JOINT (PART. STRIP TYPE).**  
**TEMPORARY FILLER PLATE FOR CONTRACTION & LONGITUDINAL (IMPRESSED TYPE) JOINT.**

**CONSTRUCTION NOTES.**

DETAILS OF CONSTRUCTION NOT COVERED ON THE PLAN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

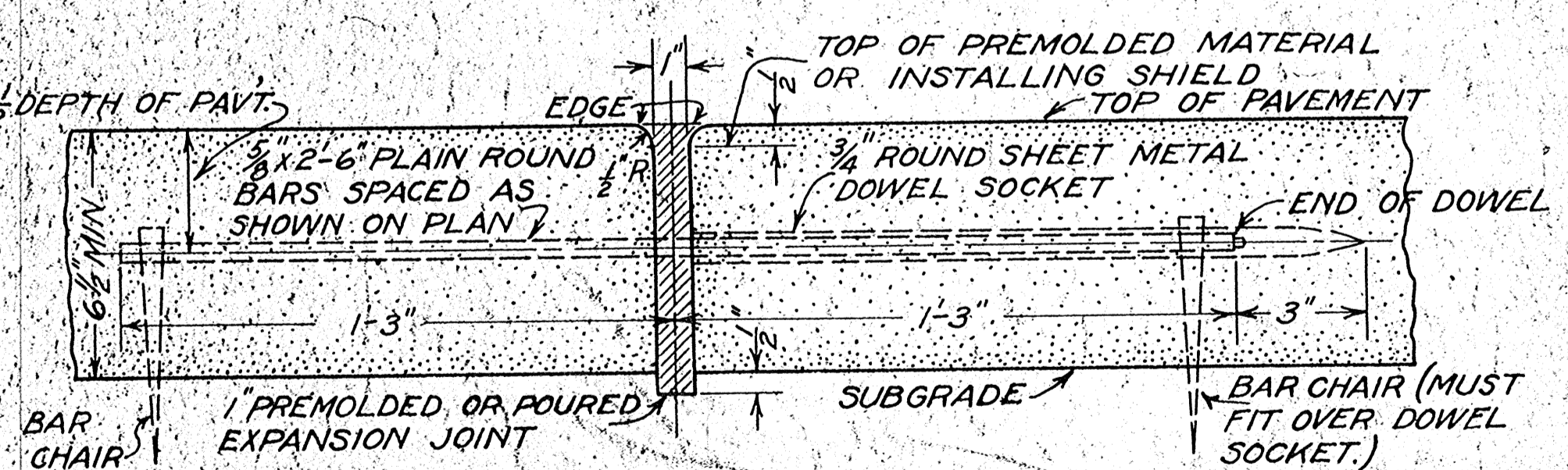
THE CONCRETE AT ALL EXPANSION, LONGITUDINAL, AND CONTRACTION JOINTS, AND ALL EDGES OF SLAB EXCEPT WHERE LIP GURB IS USED SHALL BE FINISHED WITH AN EDGING TOOL TO THE RADIUS SHOWN AFTER THE FINAL BELTING.

JOINT SPACING SHALL BE AS SHOWN EXCEPT THAT SPACING MAY BE MODIFIED TO PROVIDE THAT PANELS OVER CULVERTS BE CENTERED OVER THE STRUCTURE, THAT PANELS ADJACENT TO BRIDGES BE THE LENGTH SHOWN, THAT BASINS FOR SURFACE DRAINS DO NOT SPAN THE JOINT, AND THAT MODIFICATION OF SPACING MAY BE MADE IN ADJACENT PANELS. SPACING SHALL BE 50 MODIFIED THAT PANELS ARE NOT LESS THAN TWENTY (20) NOR MORE THAN FORTY (40) FEET IN LENGTH.

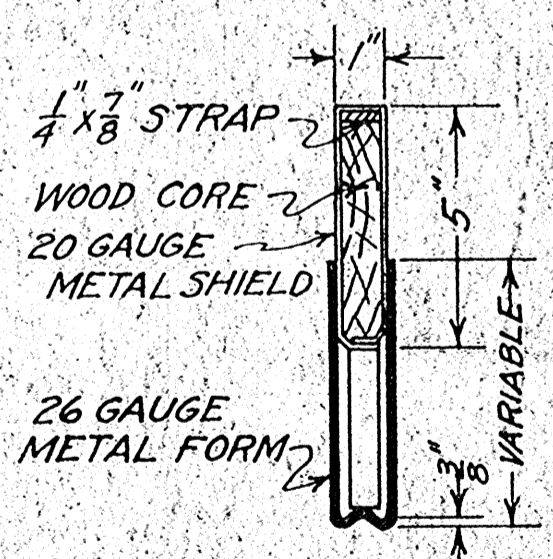
JOINTS SHALL BE CLEAN CUT AT ALL INTERSECTIONS WITH OTHER JOINTS AND AT THE EDGES OF THE SLAB.

ALL JOINTS SHALL BE FILLED AND REFILLED AS PROVIDED IN THE SPECIFICATIONS.

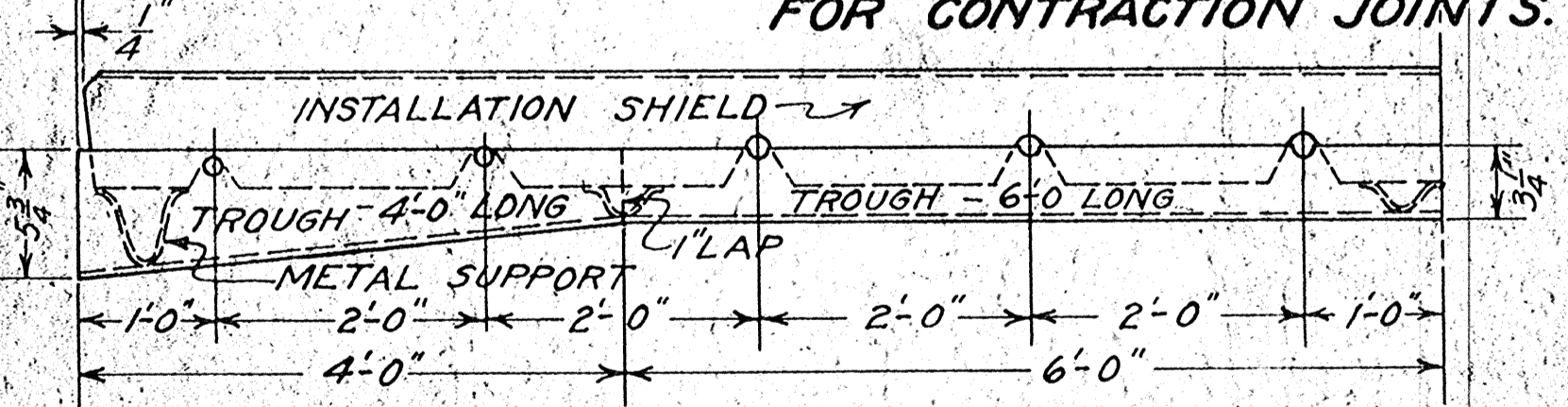
NO PARTING STRIP SHALL BE CONTINUOUS THROUGH EXPANSION AND CONTRACTION JOINTS.



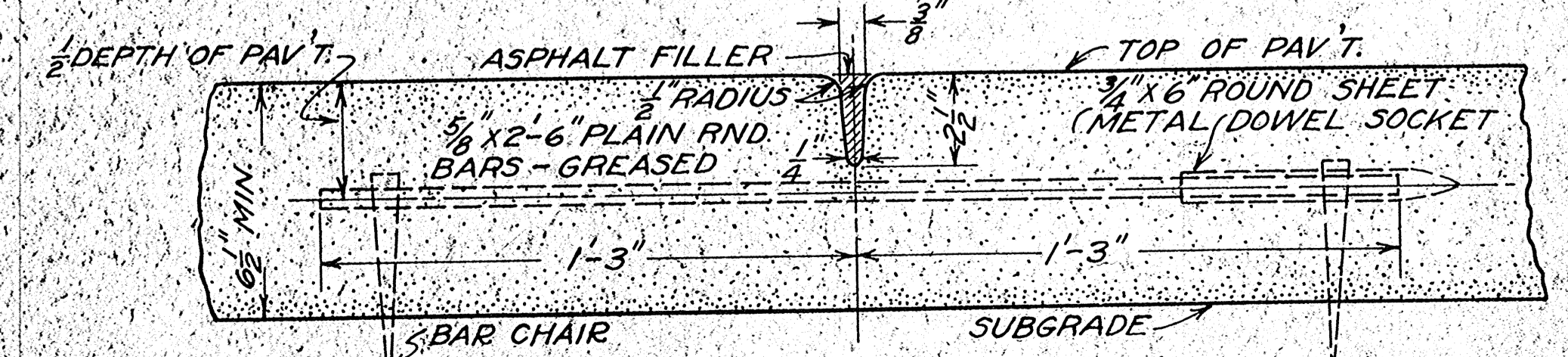
**SECTION X-X EXPANSION JOINT.**



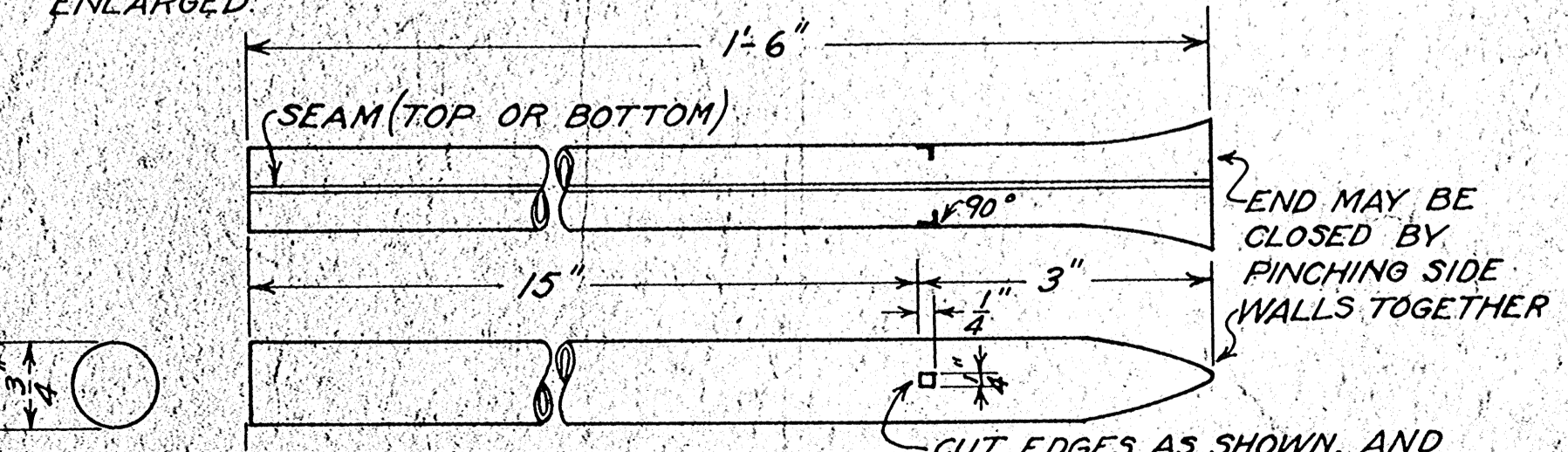
**END VIEW ENLARGED.**



**INSTALLATION FORM FOR Poured EXP. JOINT. SUGGESTED TYPE.**



**SECTION Y-Y CONTRACTION JOINT.**



**ROUND SHEET METAL DOWEL SOCKET FOR EXPANSION JOINT.**

BAR CHAIRS SHALL BE DRIVEN INTO THE SUBGRADE A SUFFICIENT DEPTH TO HOLD ALL DOWEL AND TIE BARS IN THE SPECIFIED POSITION; SPADE TYPE CHAIRS SHALL BE USED IF NECESSARY.

THE DESIGN OF PARTING STRIP, ITS DETAILS AND METHOD OF INSTALLATION SHALL BE IN ACCORDANCE WITH THE DESIGN SHOWN OR SHALL MEET THE APPROVAL OF THE ENGINEER.

TEMPORARY FILLER PLATES AND INSTALLATION SHIELDS AND FORMS SHALL BE THOROUGHLY CLEANED AND OILED EACH TIME USED.

NO LONGITUDINAL REINFORCEMENT SHALL EXTEND THROUGH TRANSVERSE EXPANSION OR CONTRACTION JOINTS.

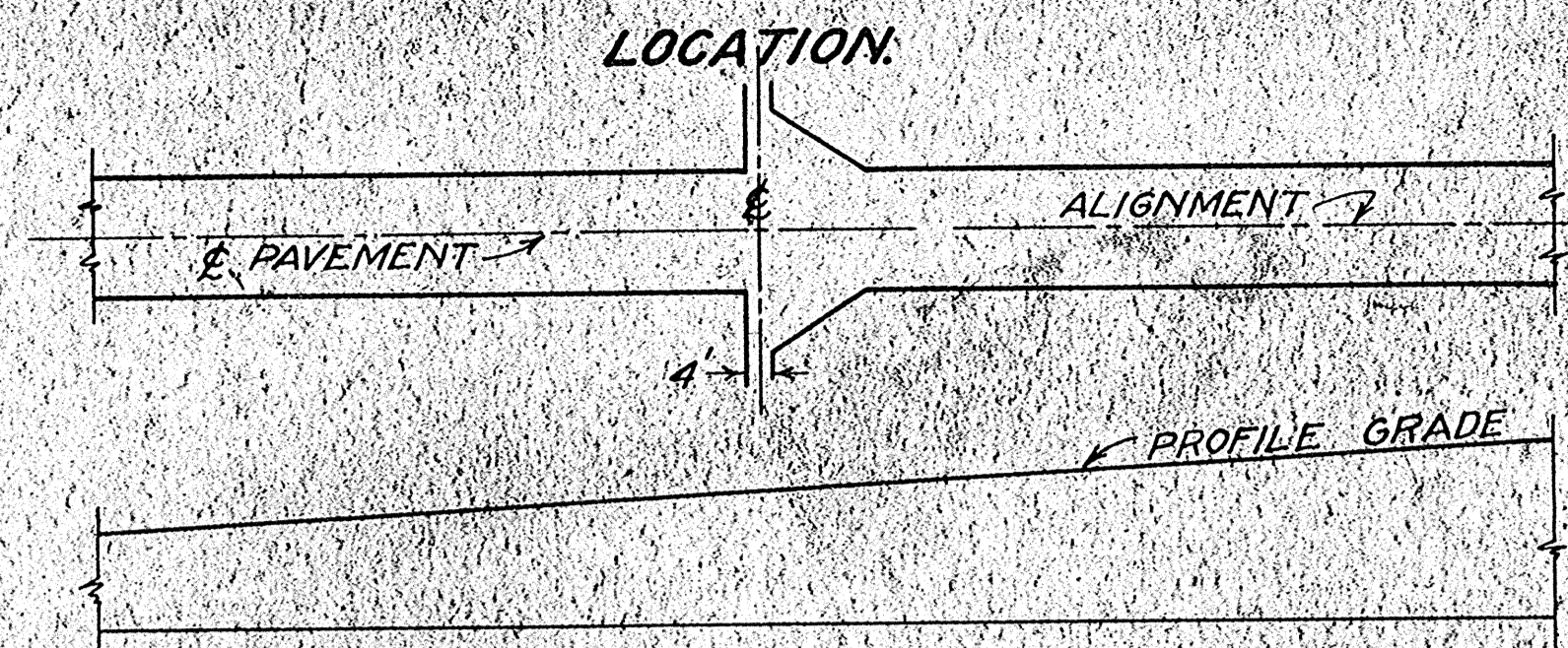
WISCONSIN HIGHWAY COMMISSION  
**STANDARD DESIGN**  
**20 FOOT**  
PORTLAND CEMENT CONCRETE  
PAVEMENT WITH  
JOINT DETAILS

CORRECT: *[Signature]*  
CONSTRUCTION ENGINEER

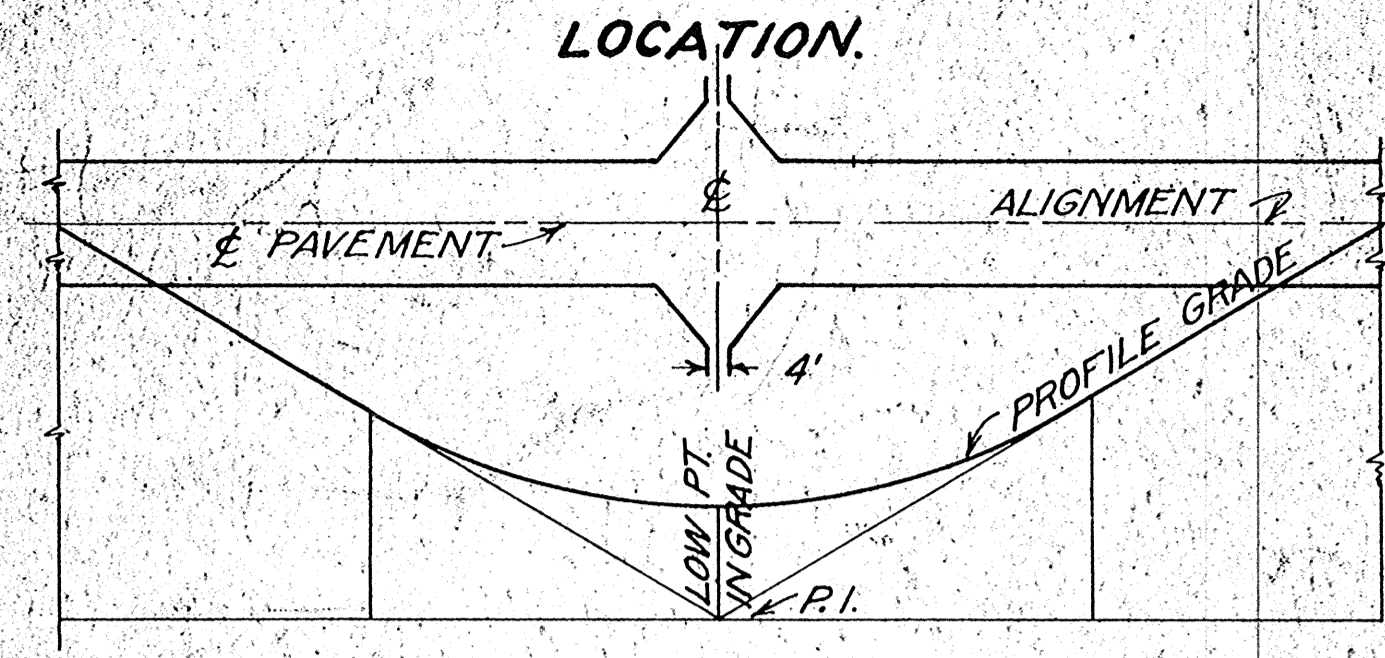
APPROVED: *[Signature]*  
STATE HIGHWAY ENGINEER



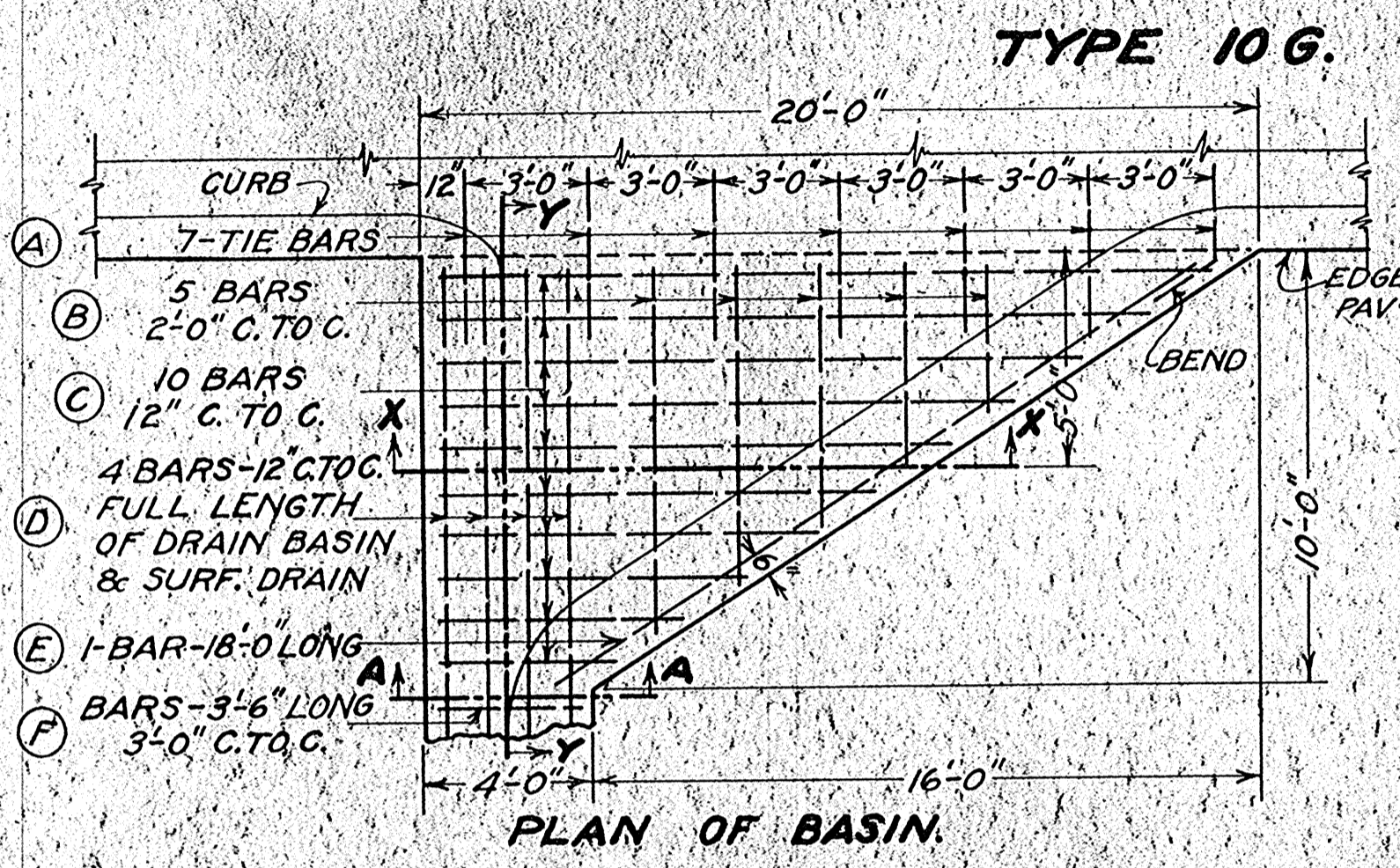
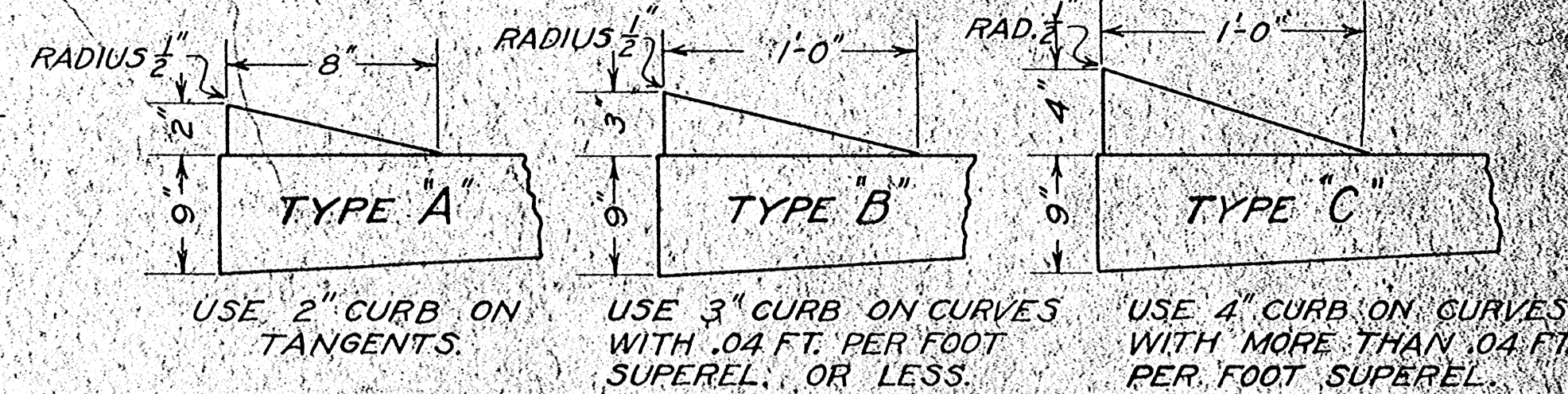
### SURFACE DRAIN ON GRADE.



### SURFACE DRAIN AT LOW POINT.



### TYPES OF LIP CURB



**BILL OF BARS (INCLUDING TIE BARS)**  
ALL BARS 1/2" DEFORMED.

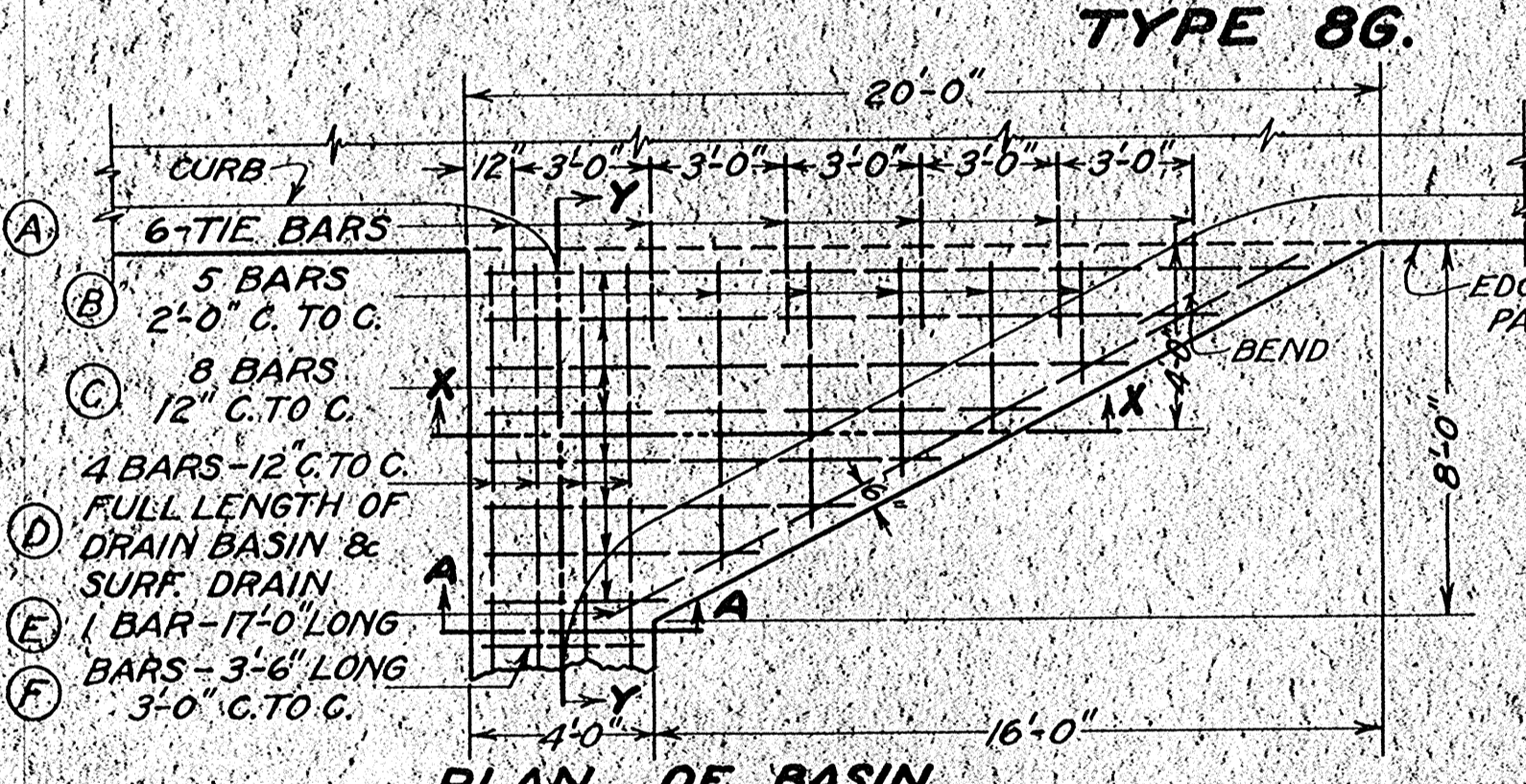
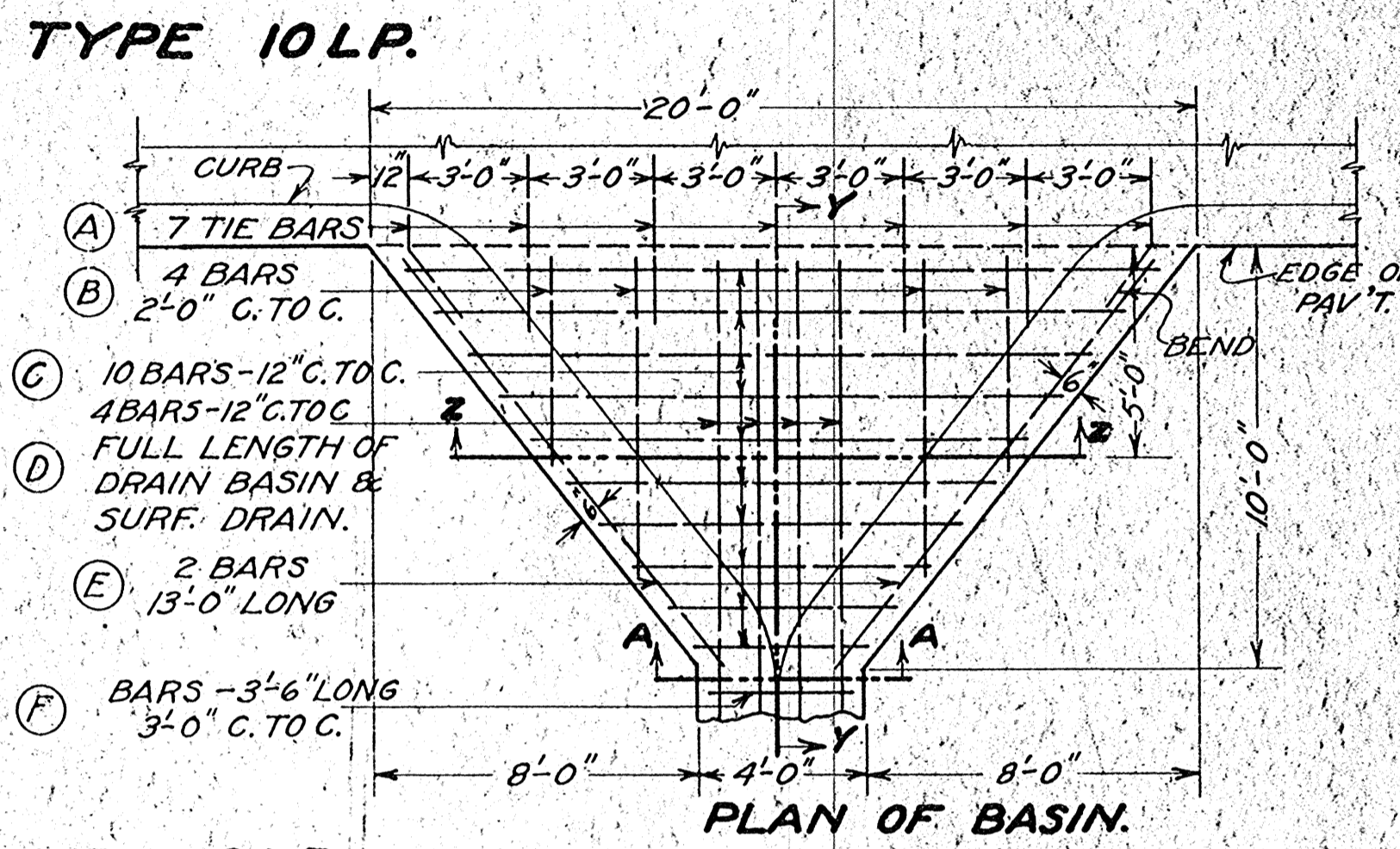
LET.	NUMBER & LENGTH
A	7 @ 4'-0"
B	1 @ 8'-6" 1 @ 4'-6"
	1 @ 7'-0" 1 @ 3'-6"
	1 @ 6'-6"
C	1 @ 18'-6" 1 @ 10'-6"
	1 @ 17'-0" 1 @ 9'-0"
	1 @ 15'-0" 1 @ 7'-6"
	1 @ 13'-6" 1 @ 5'-6"
	1 @ 12'-0" 1 @ 4'-0"
D	4 @ 12'-0"
E	1 @ 18'-0"
F	3'-6" LENGTH.

CONC. IN BASIN 2.76 CU. YDS.  
STEEL " " 201.0 LBS.

**BILL OF BARS (INCLUDING TIE BARS)**  
ALL BARS 1/2" DEFORMED.

LET.	NUMBER & LENGTH
A	7 @ 4'-0"
B	2 @ 7'-0" 2 @ 4'-6"
C	1 @ 18'-6" 1 @ 10'-6"
	1 @ 17'-0" 1 @ 9'-0"
	1 @ 15'-6" 1 @ 7'-0"
	1 @ 13'-6" 1 @ 5'-6"
	1 @ 12'-0" 1 @ 4'-0"
D	4 @ 12'-0"
E	2 @ 13'-0"
F	3'-6" LENGTH.

CONC. IN BASIN 2.76 CU. YDS.  
STEEL " " 201.9 LBS.



**BILL OF BARS (INCLUDING TIE BARS)**  
ALL BARS 1/2" DEFORMED.

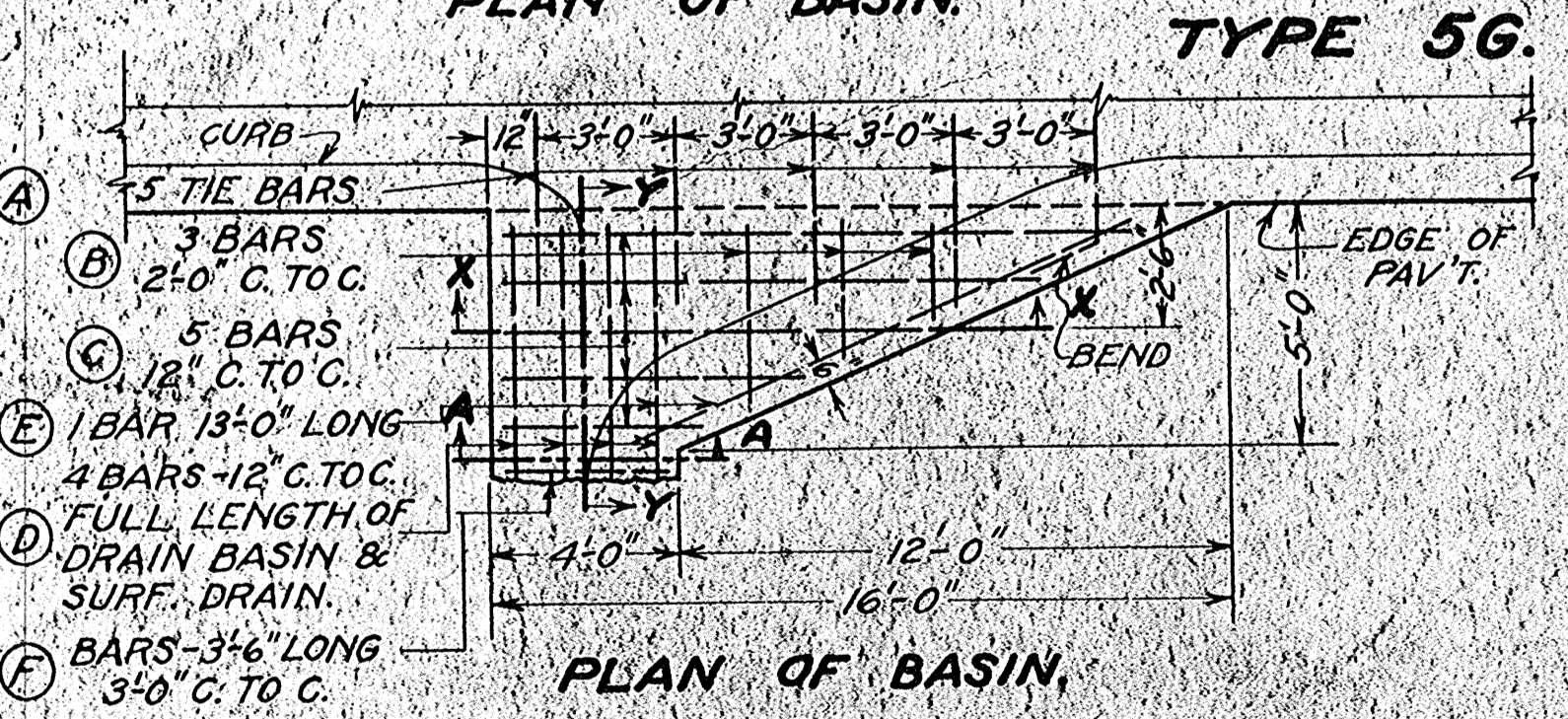
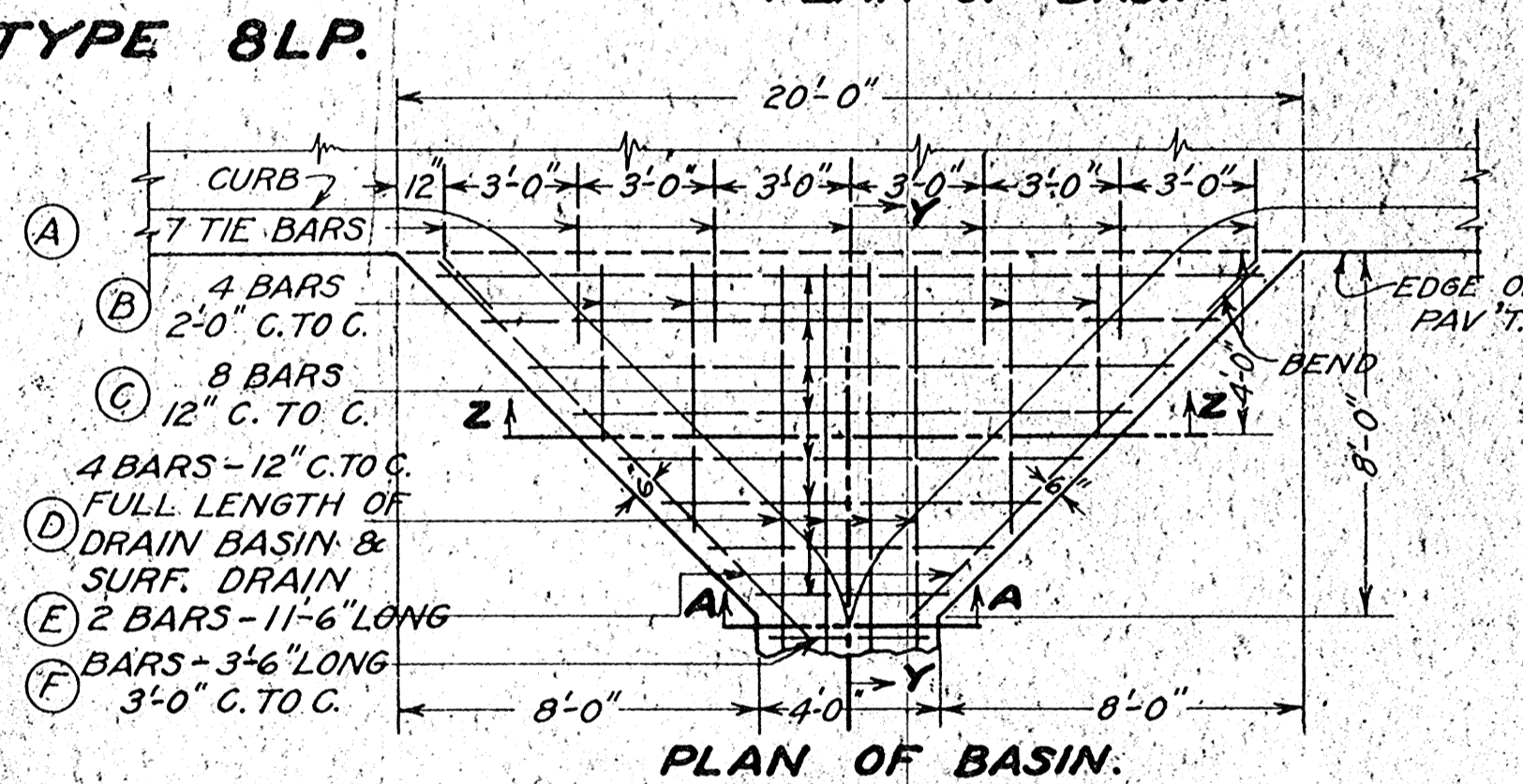
LET.	NUMBER & LENGTH
A	6 @ 4'-0"
B	1 @ 6'-6" 1 @ 3'-8"
	1 @ 5'-6" 1 @ 2'-6"
	1 @ 4'-6"
C	1 @ 18'-6" 1 @ 10'-0"
	1 @ 16'-0" 1 @ 8'-0"
	1 @ 14'-0" 1 @ 6'-0"
	1 @ 12'-0" 1 @ 4'-0"
D	4 @ 10'-0"
E	1 @ 17'-0"
F	3'-6" LENGTH.

CONC. IN BASIN 2.21 CU. YDS.  
STEEL " " 163.2 LBS.

**BILL OF BARS (INCLUDING TIE BARS)**  
ALL BARS 1/2" DEFORMED.

LET.	NUMBER & LENGTH
A	7 @ 4'-0"
B	2 @ 6'-0" 2 @ 4'-0"
C	1 @ 18'-6" 1 @ 10'-0"
	1 @ 16'-0" 1 @ 8'-6"
	1 @ 14'-0" 1 @ 6'-0"
	1 @ 12'-6" 1 @ 4'-0"
D	4 @ 10'-0"
E	2 @ 11'-6"
F	3'-6" LENGTH.

CONC. IN BASIN 2.21 CU. YDS.  
STEEL " " 170.4 LBS.



**BILL OF BARS (INCLUDING TIE BARS)**  
ALL BARS 1/2" DEFORMED.

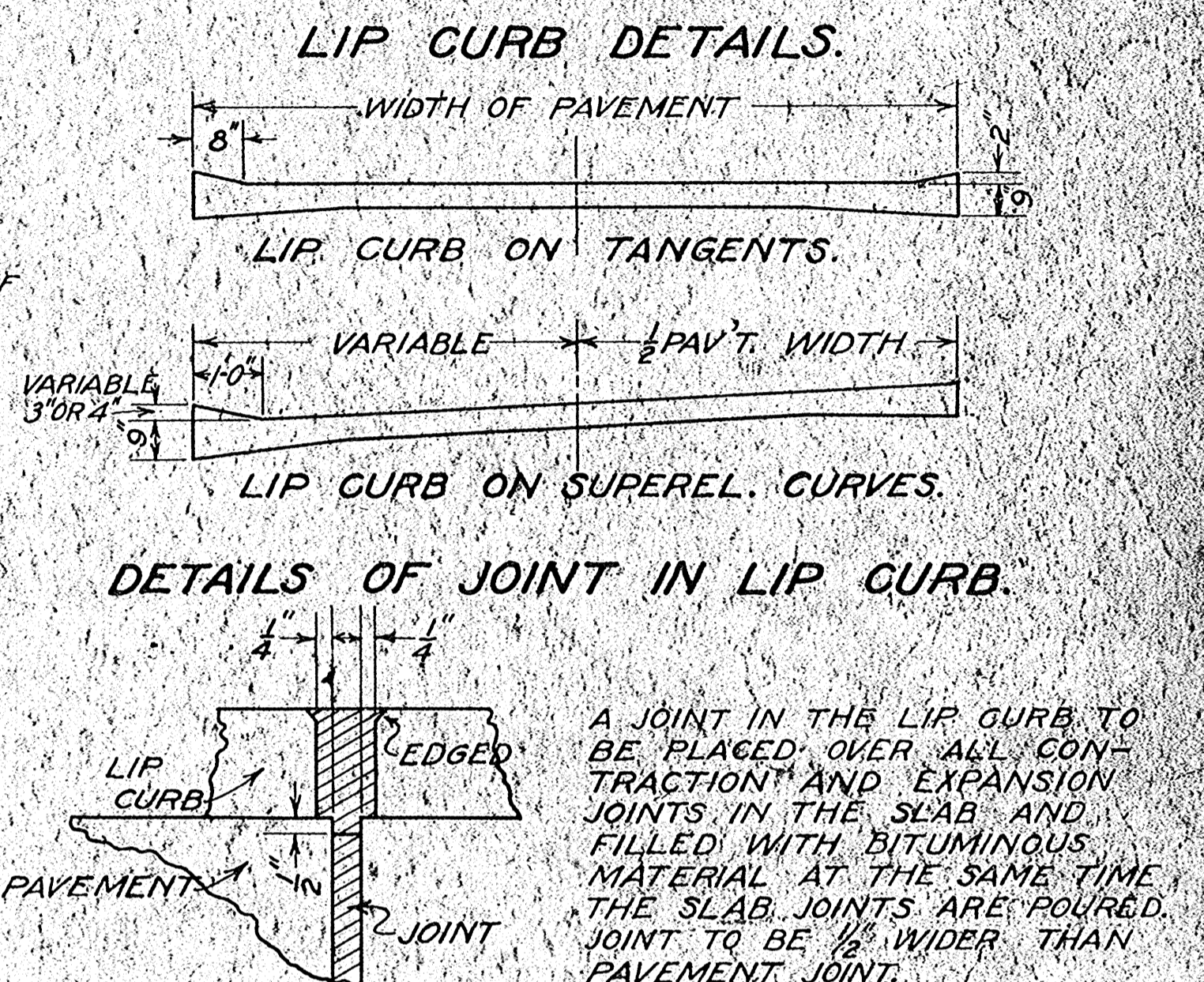
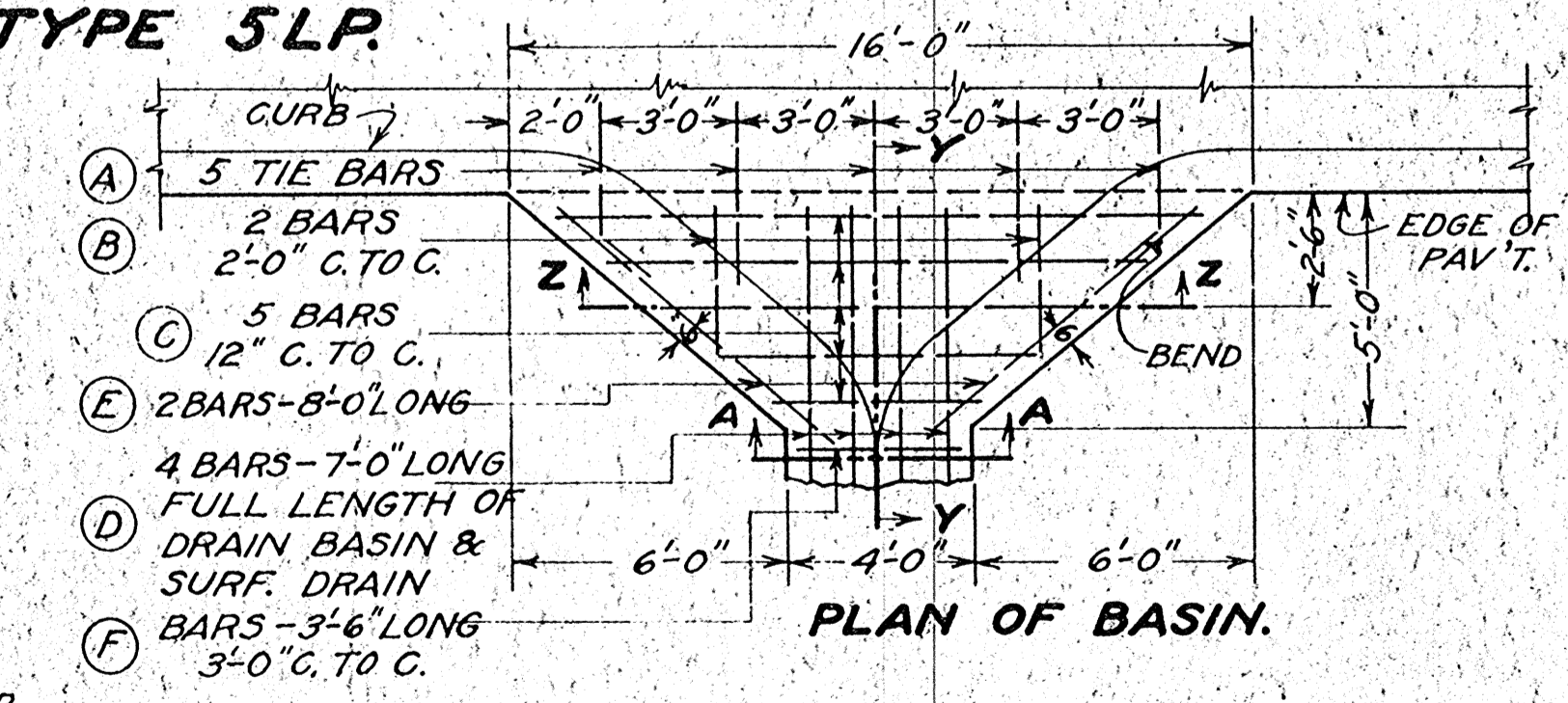
LET.	NUMBER & LENGTH
A	5 @ 4'-0"
B	1 @ 4'-0" 1 @ 3'-0" 1 @ 2'-0"
C	1 @ 14'-0" 1 @ 9'-0" 1 @ 4'-0"
	1 @ 11'-6" 1 @ 6'-6"
D	4 @ 7'-0"
E	1 @ 13'-0"
F	3'-6" LENGTH.

CONC. IN BASIN 1.17 CU. YDS.  
STEEL " " 97.8 LBS.

**BILL OF BARS (INCLUDING TIE BARS)**  
ALL BARS 1/2" DEFORMED.

LET.	NUMBER & LENGTH
A	5 @ 4'-0"
B	2 @ 3'-0"
C	1 @ 14'-0" 1 @ 9'-0" 1 @ 4'-6"
	1 @ 11'-6" 1 @ 6'-6"
D	4 @ 7'-0"
E	2 @ 8'-0"
F	3'-6" LENGTH.

CONC. IN BASIN 1.17 CU. YDS.  
STEEL " " 98.6 LBS.



**CONSTRUCTION NOTES.**  
DETAILS NOT COVERED ON THE PLAN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS OF ROAD AND BRIDGE CONSTRUCTION.

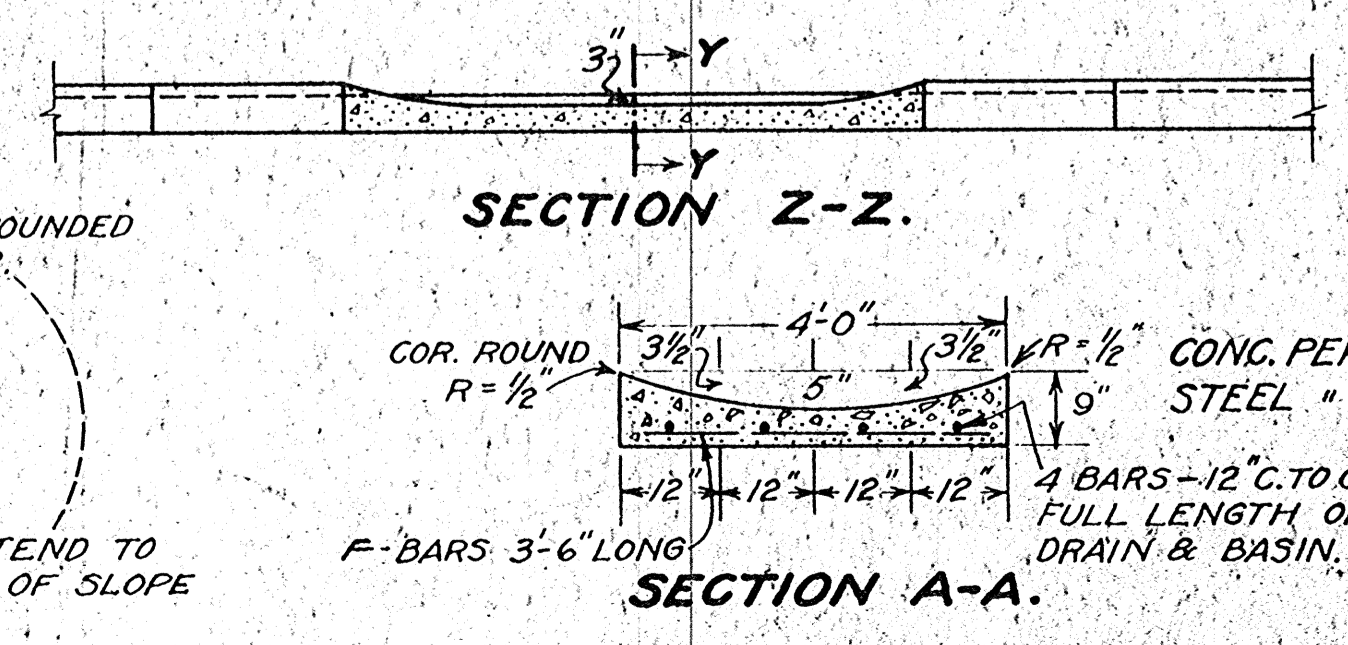
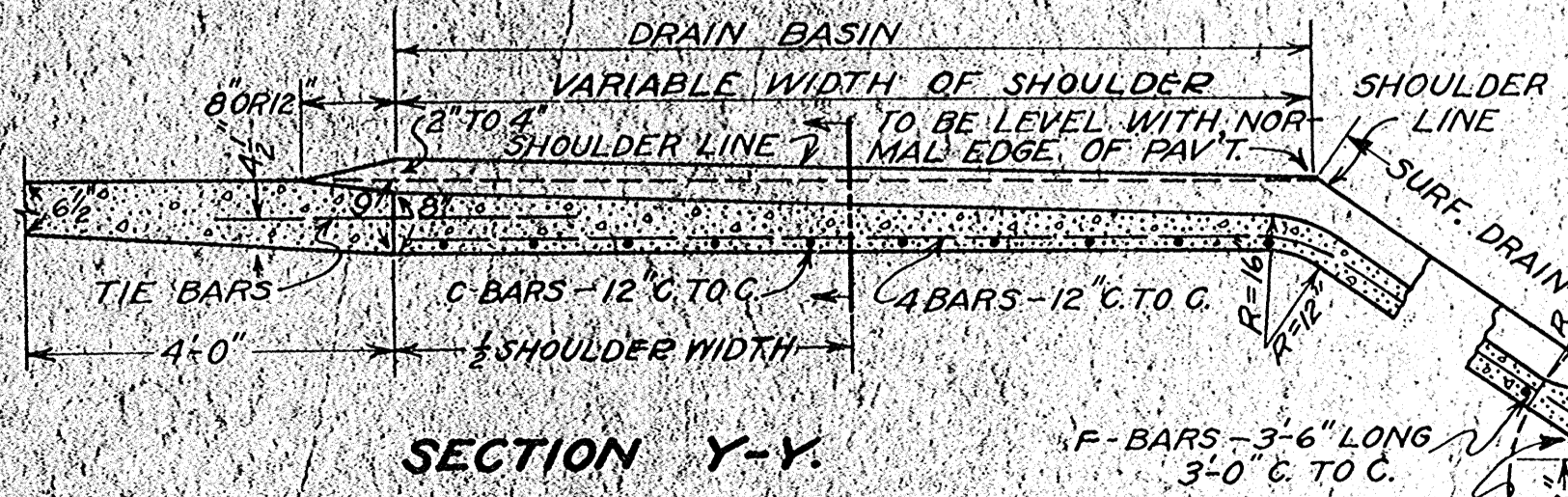
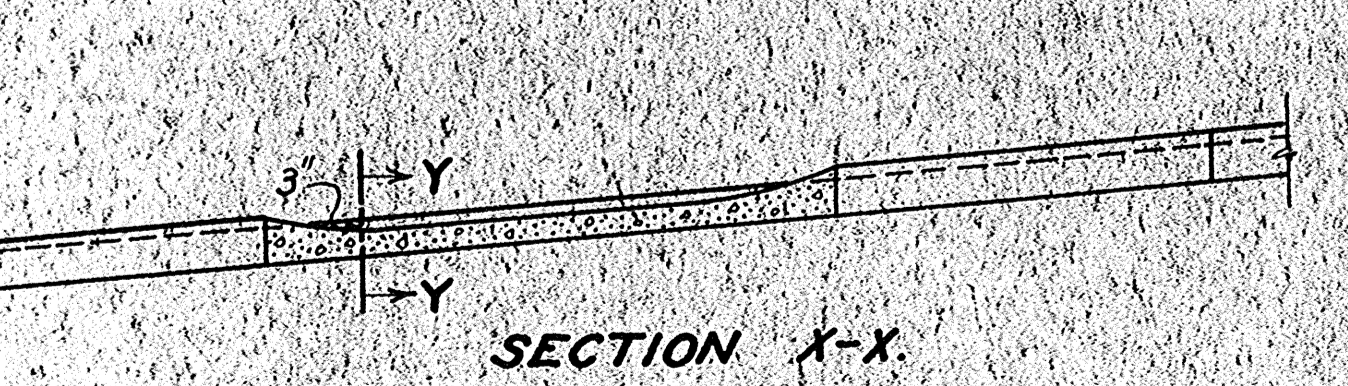
**CONCRETE SURFACE DRAINS.**  
BASINS FOR SURFACE DRAINS SHALL NOT BE PLACED IN BRIDGE APPROACH SLABS, NOR SHALL A BASIN SPAN TRANSVERSE JOINTS IN THE PAVEMENT SLAB. SPACING OF TRANSVERSE JOINTS SHALL BE ADJUSTED, WHEN NECESSARY.

SURFACE OF PAVEMENT SLAB ADJACENT TO BASIN TO BE SLOPED FROM A NORMAL THICKNESS OF SLAB 18" FROM THE EDGE TO 8" THICKNESS AT EDGE TO INSURE FLOWAGE INTO BASIN.

ALL REINFORCING AND TIE BARS TO BE ONE HALF (1/2) INCH DEFORMED.

**LIP CURB.**  
WHEN DUE TO SUSPENSION OF POURING OPERATIONS, A PORTION OF THE LIP CURB CANNOT BE CONSTRUCTED MONOLITHIC WITH THE PAVEMENT SLAB, SUCH LIP CURB SHALL BE TIED TO THE PAVEMENT SLAB BY MEANS OF ONE QUARTER (1/4) INCH BY EIGHT (8) INCH DEFORMED TIE BARS OR 60 D SPIKES SPACED ONE (1) FOOT C. TO C. APPROXIMATELY THREE (3) INCHES FROM THE EDGE OF THE SLAB.

DO NOT EDGE PAVEMENT WHERE LIP CURB IS CONSTRUCTED. LIP CURB SHALL BE CAREFULLY FINISHED WITH AN EDGING TOOL AS SHOWN.



WISCONSIN HIGHWAY COMMISSION  
**STANDARD DESIGN**  
**CONC. SURFACE DRAIN**  
**AND LIP CURB**

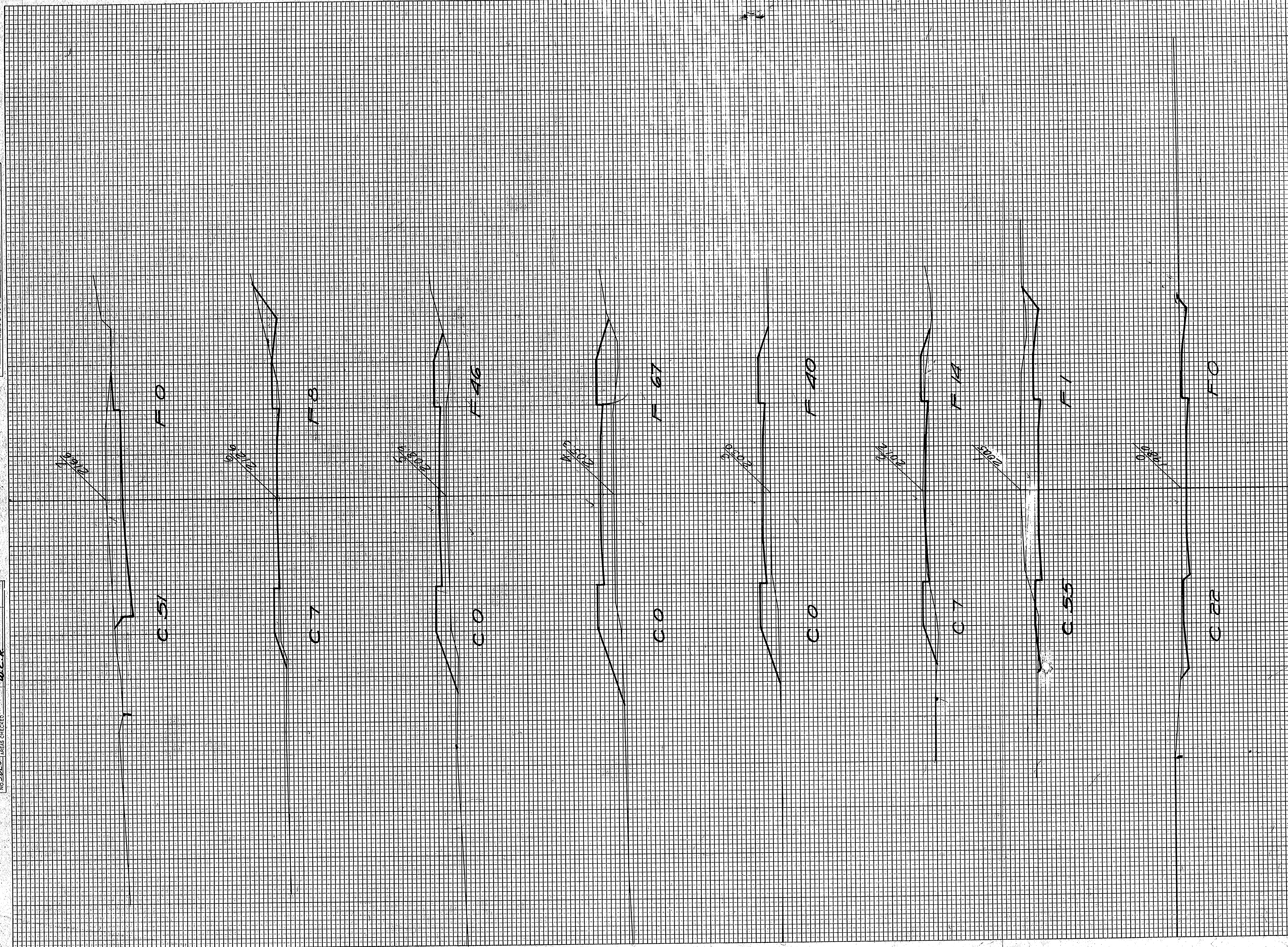
CORRECT: *A. J. Hambrecht*  
CONSTRUCTION ENGINEER

APPROVED: *W. T. Buehler*  
STATE HIGHWAY ENGINEER



FINAL SURVEY PLOTTED  
 NOTE BOOK NO. 522

ORIGINAL SURVEY PLOTTED  
 NOTE BOOK NO. 522

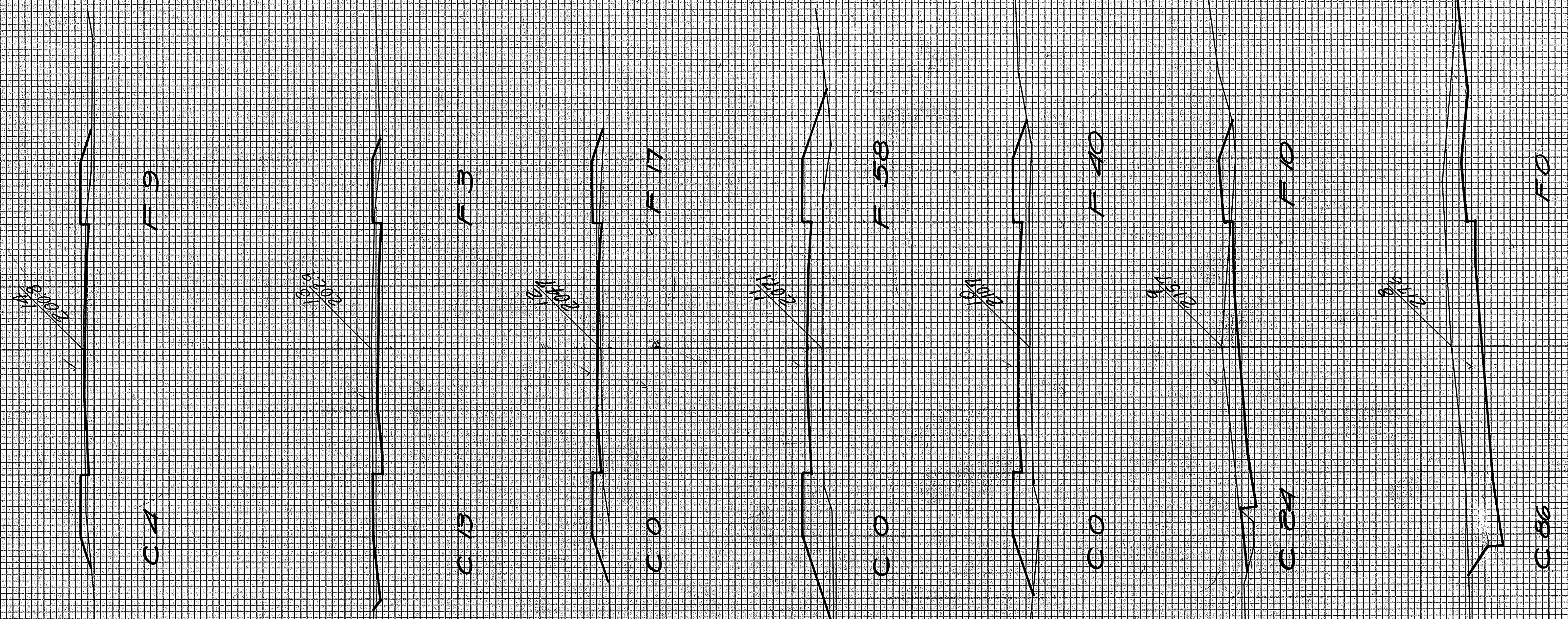


STATION	END AREA			DISTANCE	YARDAGE			
	Earth	ROCK	FILL		Earth	L. ROCK	S. ROCK	TOTAL
0	22	0						
1	55	1		141				2
2	7	19		115				28
3	0	40		13				100
4	0	67		0				178
5	0	46		0				209
6	7	8		13				100
7	51	0		107				15
TOTAL					389			652



DATE: 7/1  
 FINAL SURVEY: [ ]  
 BUSINESS PLOTTED: [ ]  
 NOTE BOOK: [ ]  
 AREAS CHECKED: [ ]  
 NO. 525

DATE: 7/1  
 ORIGINAL SURVEY: [ ]  
 BUSINESS PLOTTED: [ ]  
 NOTE BOOK: [ ]  
 AREAS CHECKED: [ ]  
 NO. 525

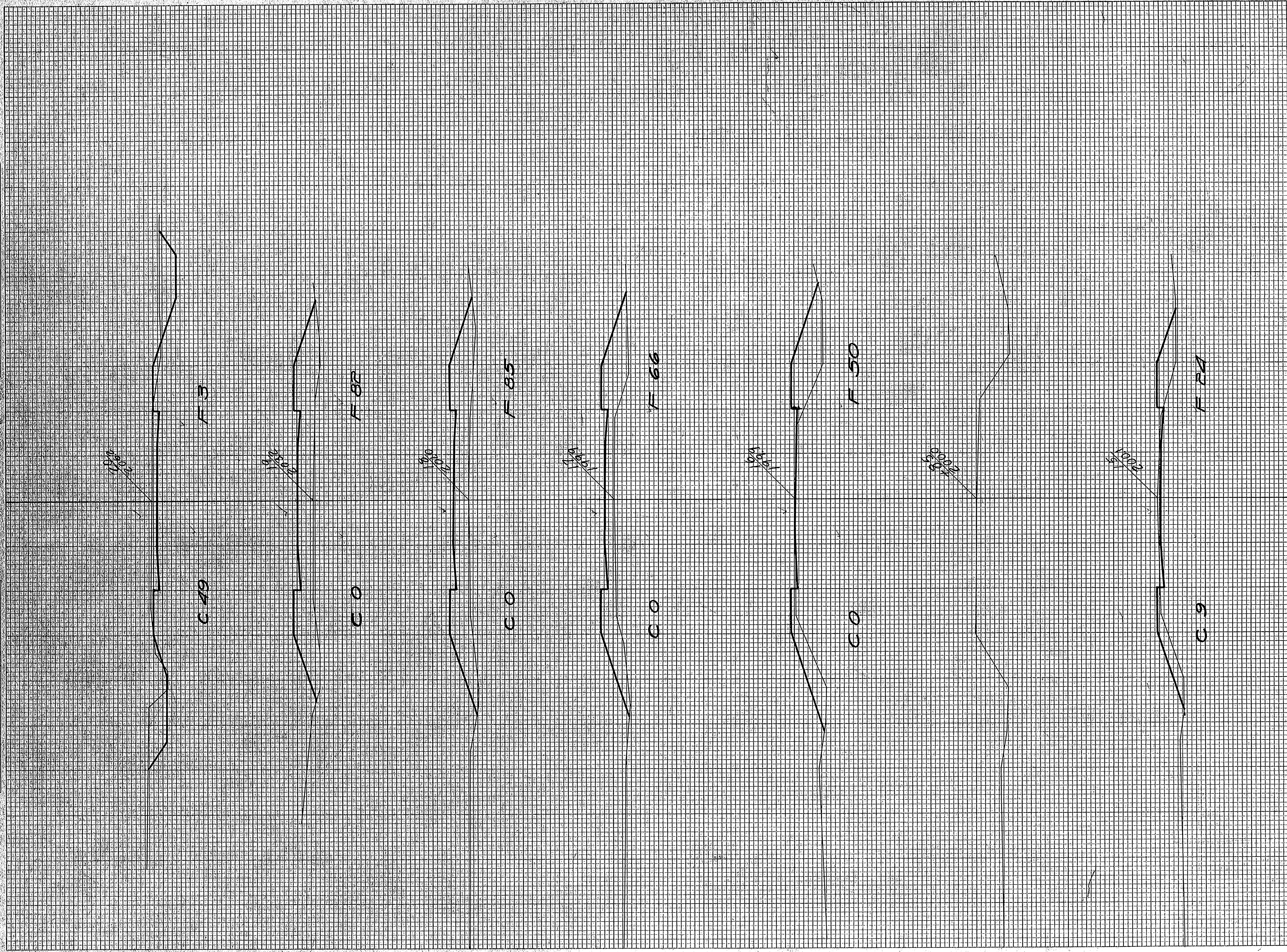


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH CUT	ROCK	FILL		EARTH	ROCK	S-ROCK		
7	51	0							
8	86	0		254					0
9	24	10		804					19
10	0	40		14					93
11	0	58		0					182
12	0	17		0					137
13	13	3		24					37
14	4	9		32					22
<b>TOTAL</b>				<b>558</b>					<b>492</b>



ORGANIC SURVEY PLOTTED BY *D. J. STUBBS*  
 NOTE BOOK NO. *5825*  
 AREAS CHECKED *MSA*

ORGANIC SURVEY PLOTTED BY *D. J. STUBBS*  
 NOTE BOOK NO. *5825*  
 AREAS CHECKED *MSA*

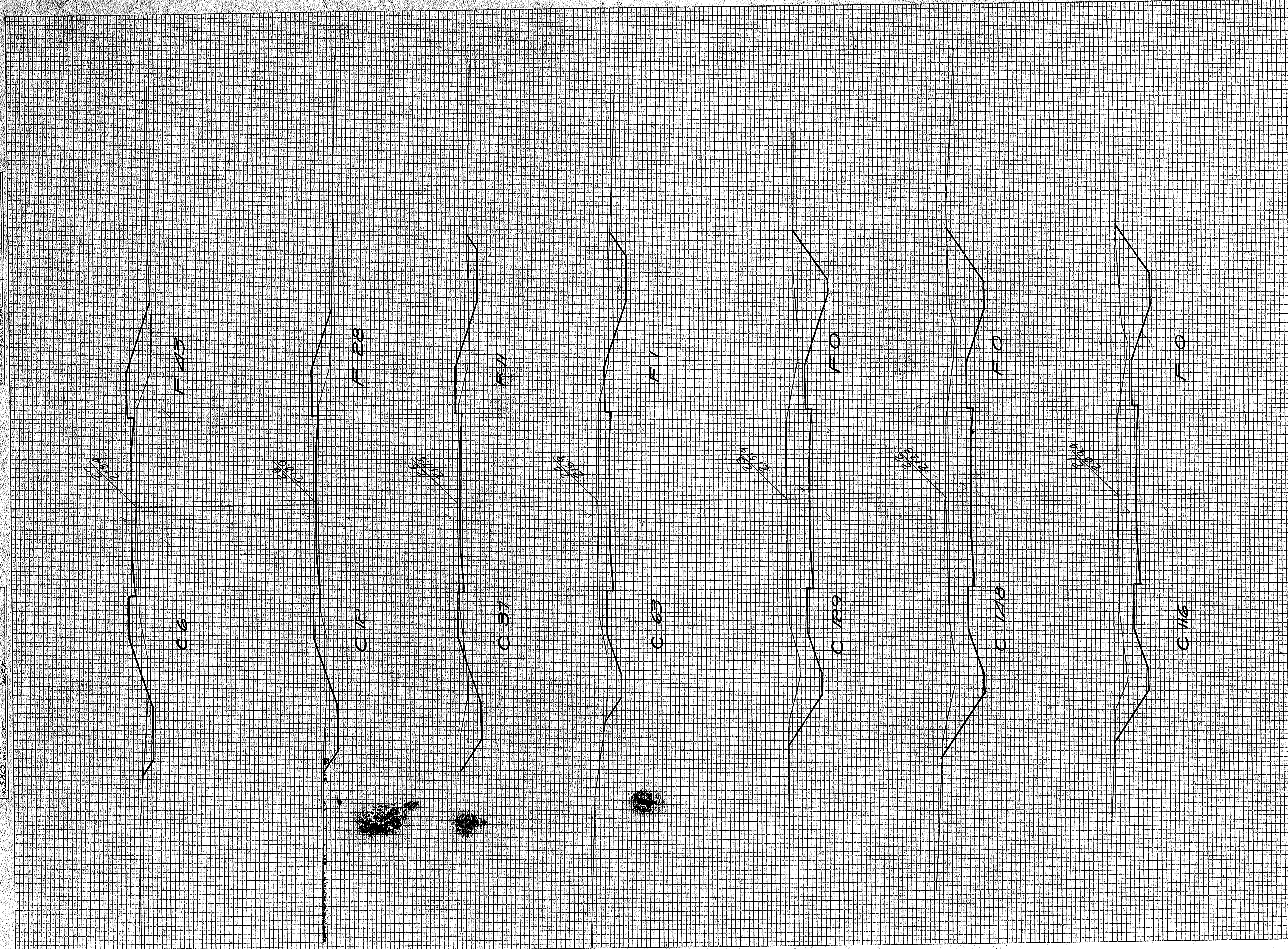


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH CUT	ROCK	FILL		EARTH	L. ROCK	S. ROCK		
14 4	9								
15 9	24			24				61	
16 0	50			17				137	
17 0	66			0				215	
18 0	85			0				280	
19 0	82			0				309	
20 49	3			91				137	
<b>TOTAL</b>					<b>132</b>			<b>1139</b>	



FINAL SURVEY BY DATE  
 SURVEYED BY  
 CHECKED BY  
 NOTE BOOK NO.  
 REVISIONS

ORIGINAL SURVEY BY DATE  
 SURVEYED BY  
 CHECKED BY  
 NOTE BOOK NO.  
 REVISIONS

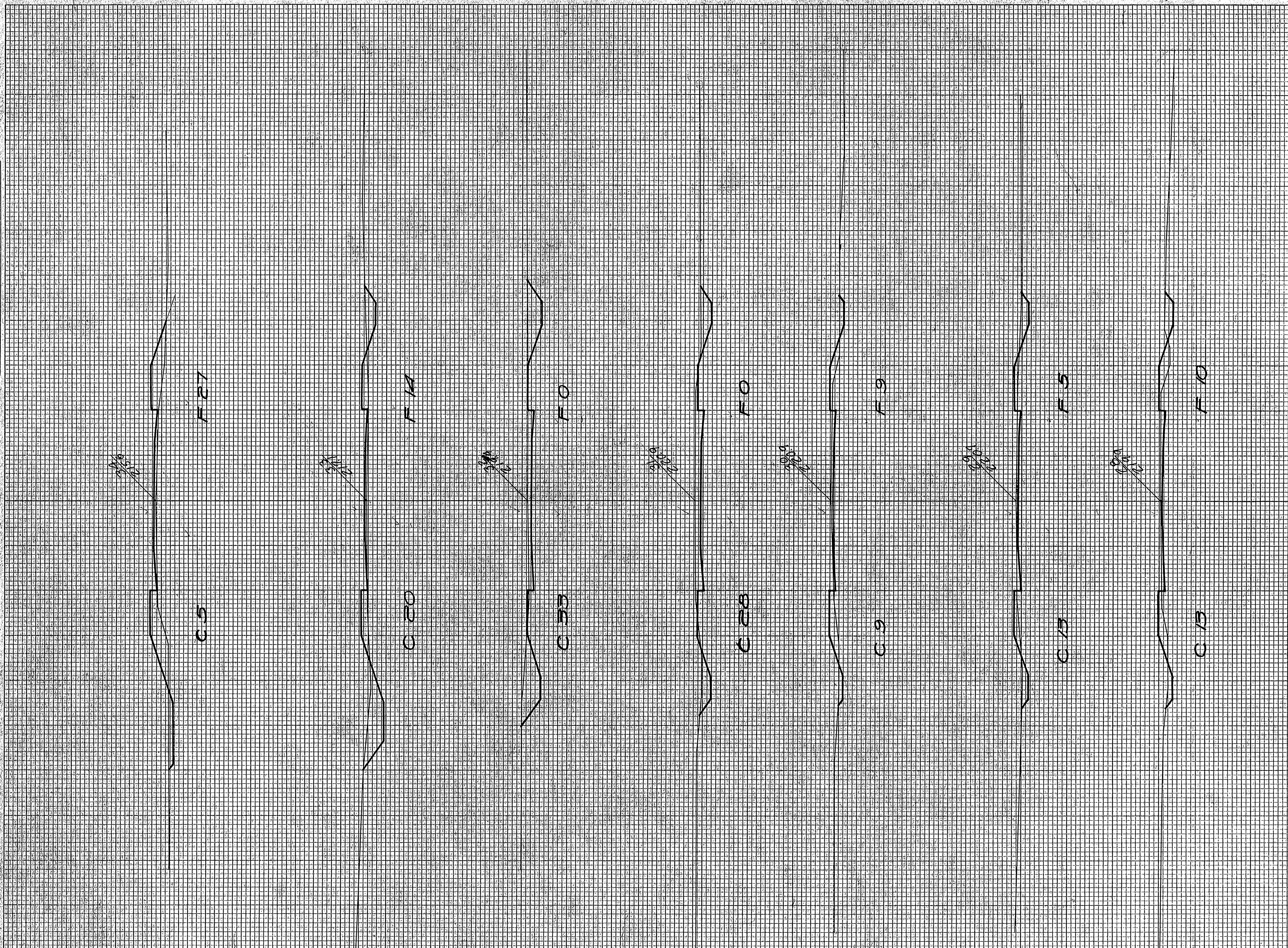


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH CUT	ROCK	FILL		EARTH CUT	ROCK	TOTAL		
20 49	3								
21 116	0				306				6
22 148	0				289				0
23 129	0				513				0
24 63	1				356				2
25 37	11				185				22
26 12	28				91				72
27 6	43				33				132
TOTAL					1973				234



BY	DATE
FINAL SURVEY	
FLORIC	
NOTE BOOK	
AREAS CHECKED	

BY	DATE
ORIGINAL SURVEY	
TEMPERATURE	
NOTE BOOK	
AREAS CHECKED	



STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH CUT	ROCK CUT	FILL		EARTH CUT	ROCK CUT	S. ROCK		
27	6		43						
28	13		10		35				95
29	13		5		48				28
30	9		9		41				26
31	28		0		69				17
32	33		0		113				0
33	20		14		98				26
34	5		27		46				76
TOTAL					450				271

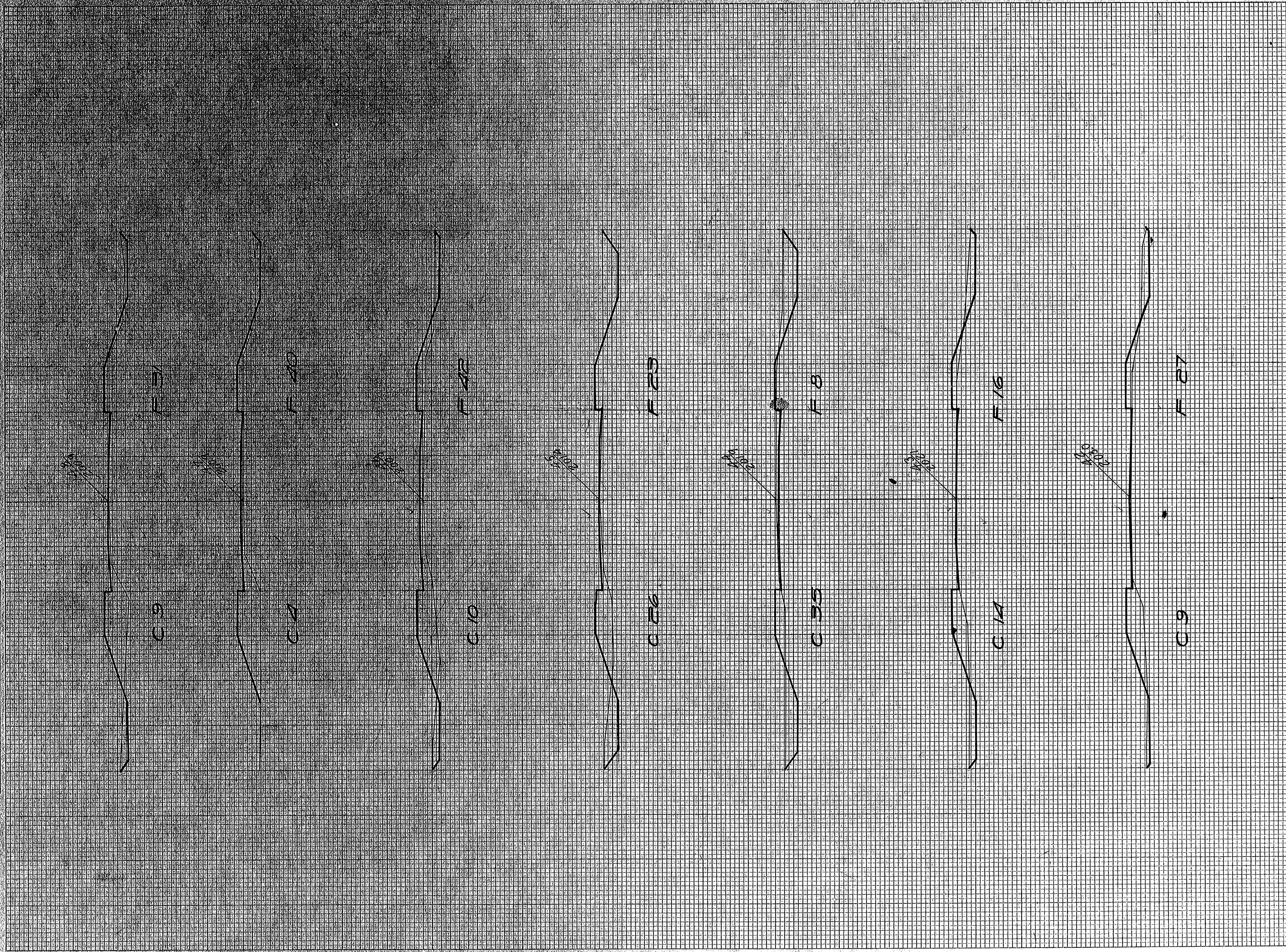






DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_

ORIGINAL SURVEYED BY: \_\_\_\_\_  
 SURVEYED BY: \_\_\_\_\_  
 NOTES BOOK \_\_\_\_\_  
 NO. 5823  
 DATE CHECKED: \_\_\_\_\_  
 BY: \_\_\_\_\_

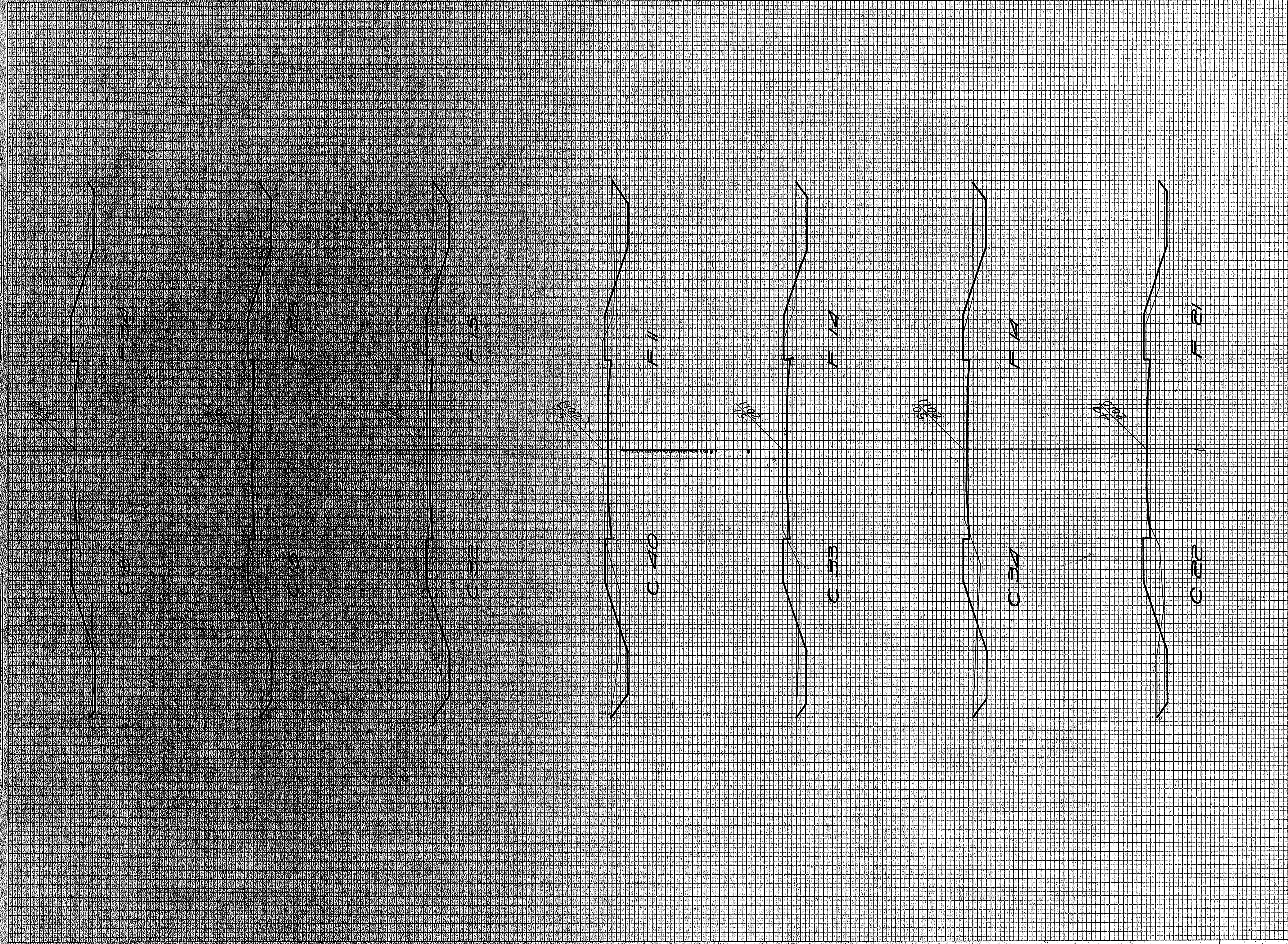


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH CUT	ROCK	FILL		EARTH CUT	L. ROCK	S. ROCK		
41	9		36						
42	9		27		53				117
43	14		16		23				80
44	35		8		91				114
45	26		23		13				57
46	10		42		67				120
47	4		40		26				152
48	9		31		24				132
TOTAL					397				702



ORIGINAL SURVEY  
 BY C. G. COOK  
 1922

ORIGINAL SURVEY  
 BY C. G. COOK  
 1922

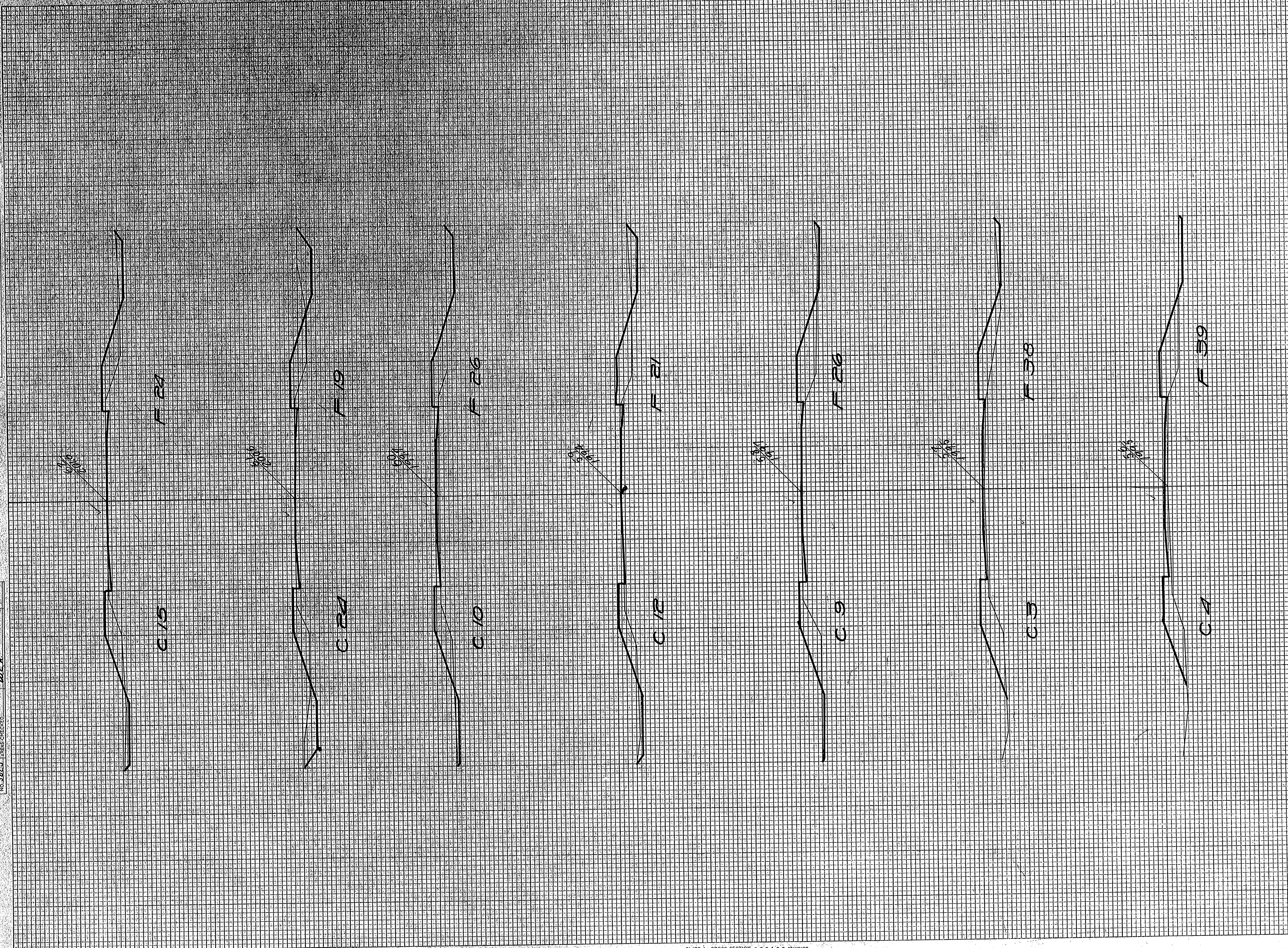


STATION	END AREA			DISTANCE	YARDAGE			
	EARTH	ROCK	FILL		EARTH	L. ROCK	S. ROCK	TOTAL
48	9		31					
					57			96
49	22		21		104			65
50	34		14		124			52
51	33		14		135			46
52	40		11		133			48
					TOTAL	553		307
53	32		15		15			
					MILE (1)	5237		2176
54	15		28		87			80
					42			115
55	8		34					
TOTAL					189			195



FINAL SURVEY PLOTTED  
 SURVEY PLOTTED  
 NOTEBOOK RE-CHECKED

DATE  
 BY  
 CHECKED BY  
 DATE

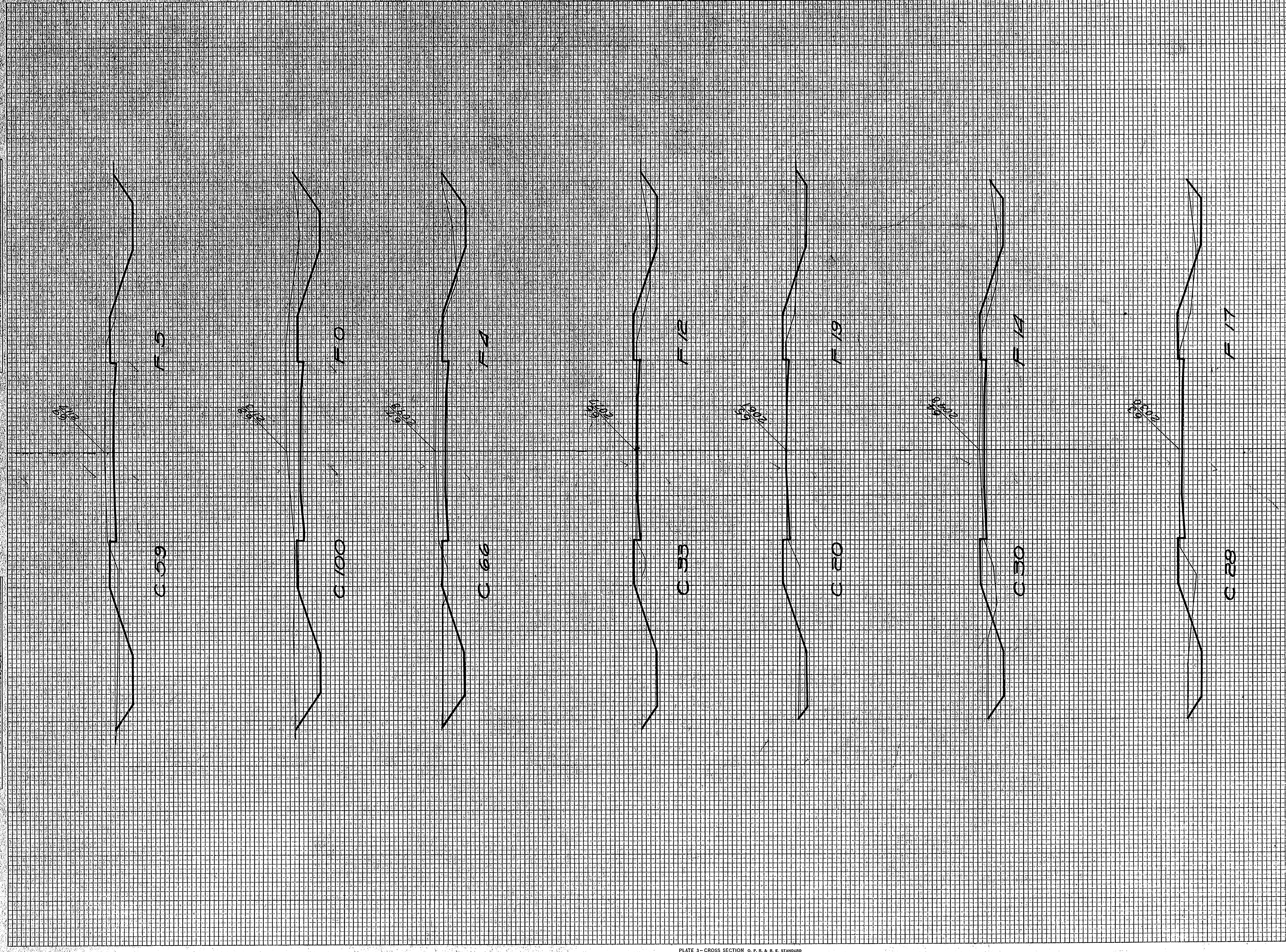


STATION	END AREA			DISTANCE	YARDAGE			
	EARTH	ROCK	FILL		EARTH	L. ROCK	S. ROCK	TOTAL
55 8			34					
56 4			59	22				135
57 3			38	15				123
58 9			26	22				119
59 12			2	39				87
60 10			26	41				87
61 24			19	63				83
62 15			24	72				80
TOTAL				472				730



FINAL SURVEY PLOTS  
 CHECKED BY: [Signature]  
 DATE: [Date]

ORIGINAL SURVEY PLOTS  
 CHECKED BY: [Signature]  
 DATE: [Date]



STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH CUT	ROCK CUT	FILL		EARTH CUT	L. ROCK CUT	S. ROCK CUT		
62 15	24								
63 28	17			80					16
64 30	14			107					57
65 20	19			95					61
66 33	12			98					57
67 66	4			183					30
68 100	0			307					7
69 53	5			294					9
TOTAL				1162					297

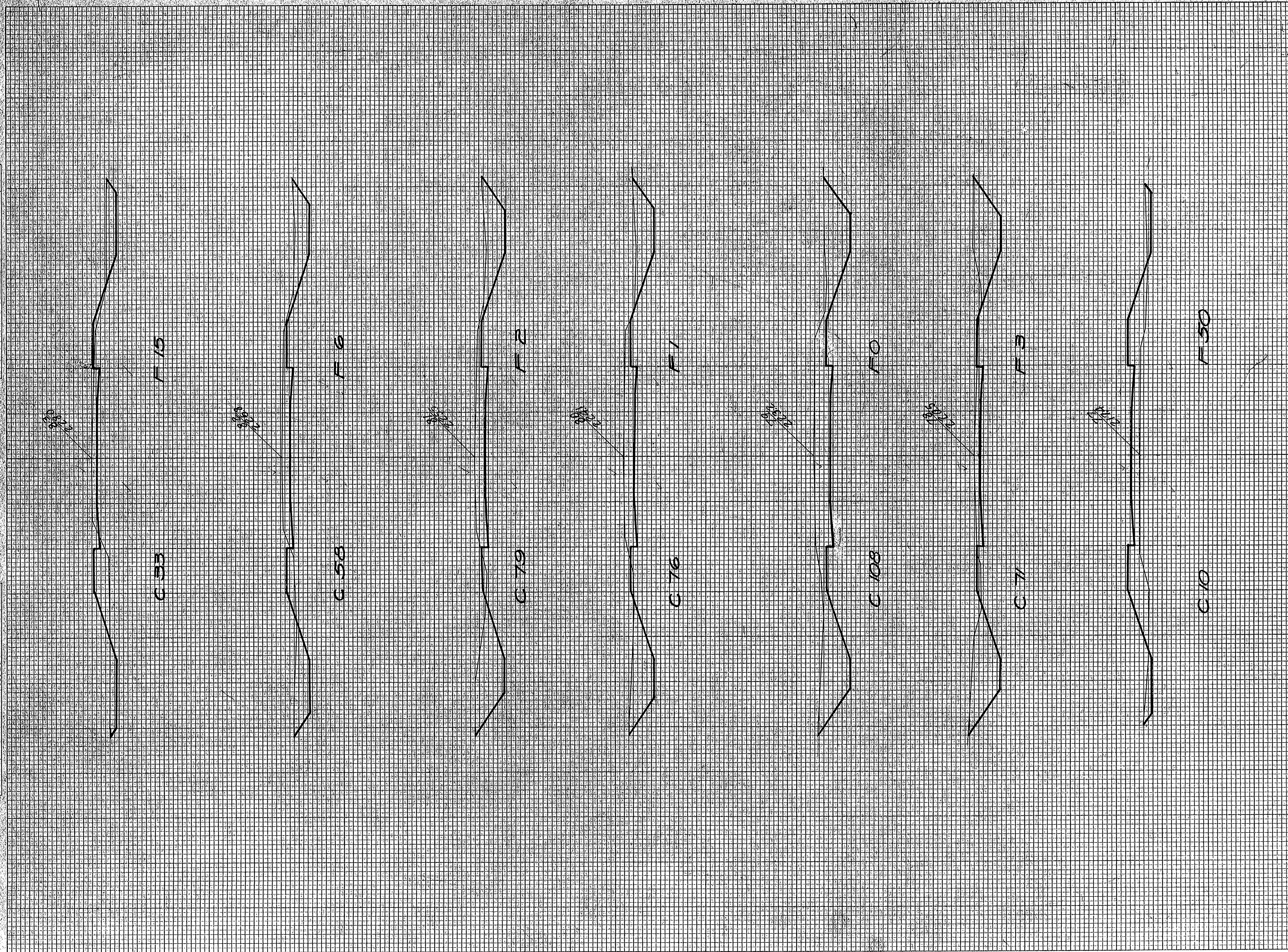






FINAL SURVEY PLOTTED  
 SURVEY NO. 5825  
 CHECKED BY W.C.K.

ORIGINAL SURVEY PLOTTED  
 SURVEY NO. 5825  
 CHECKED BY W.C.K.

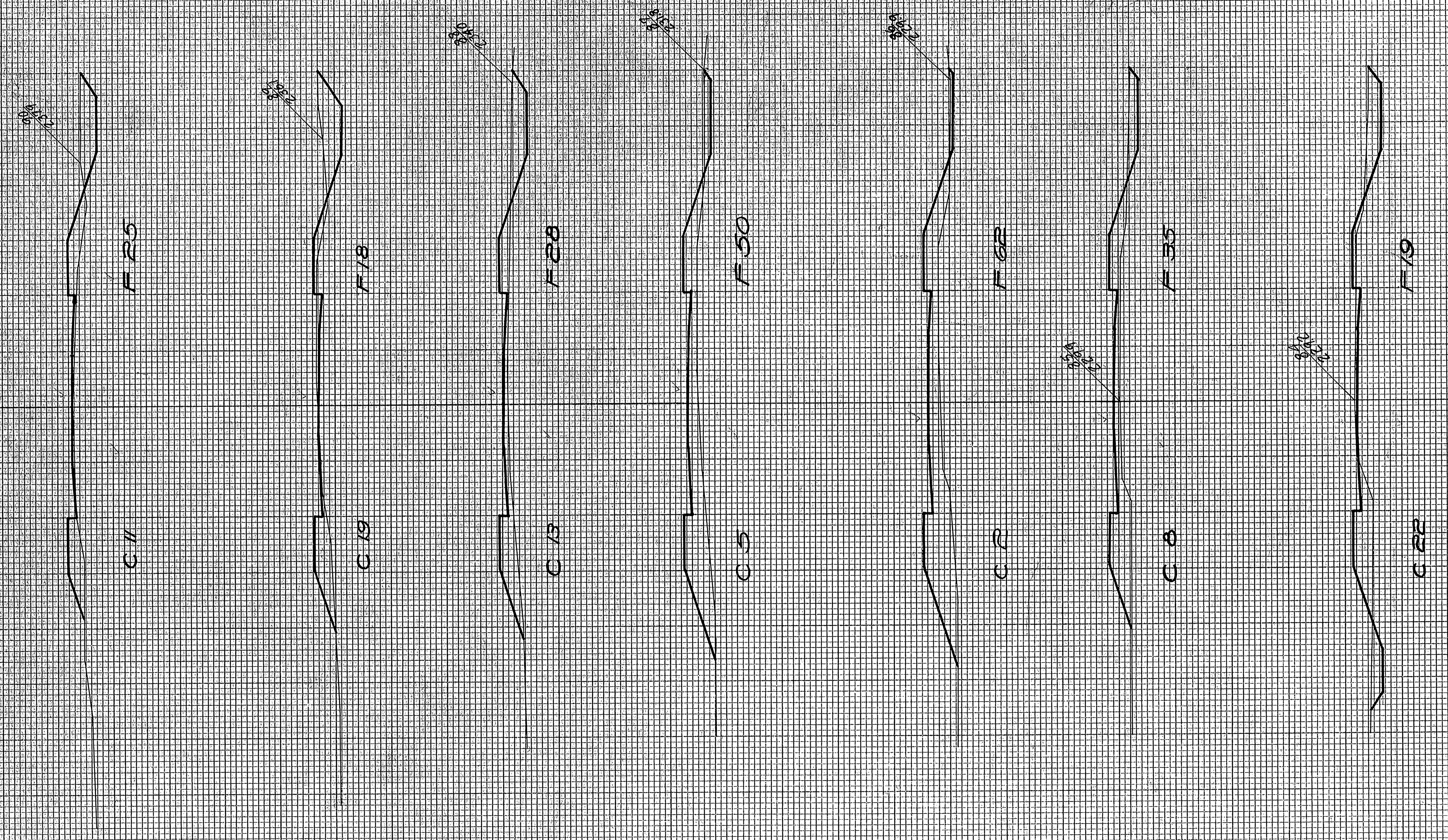


STATION	END AREA			DISTANCE	YARDAGE		
	EARTH CUT	ROCK CUT	FILL		EARTH	ROCK	TOTAL
76 0	83						
77 10	50			19			840
78 71	3			150			98
79 108	0			331			6
80 76	1			541			7
81 79	2			287			6
82 58	6			254			15
83 33	15			168			53
TOTAL				1550			412



FINAL SURVEY  
 SURVEYED BY: [Signature]  
 PLOTTED BY: [Signature]  
 NOTE BOOK NO. 5226  
 AREAS CHECKED: [Signature]

ORIGINAL SURVEY  
 SURVEYED BY: [Signature]  
 PLOTTED BY: [Signature]  
 NOTE BOOK NO. 5226  
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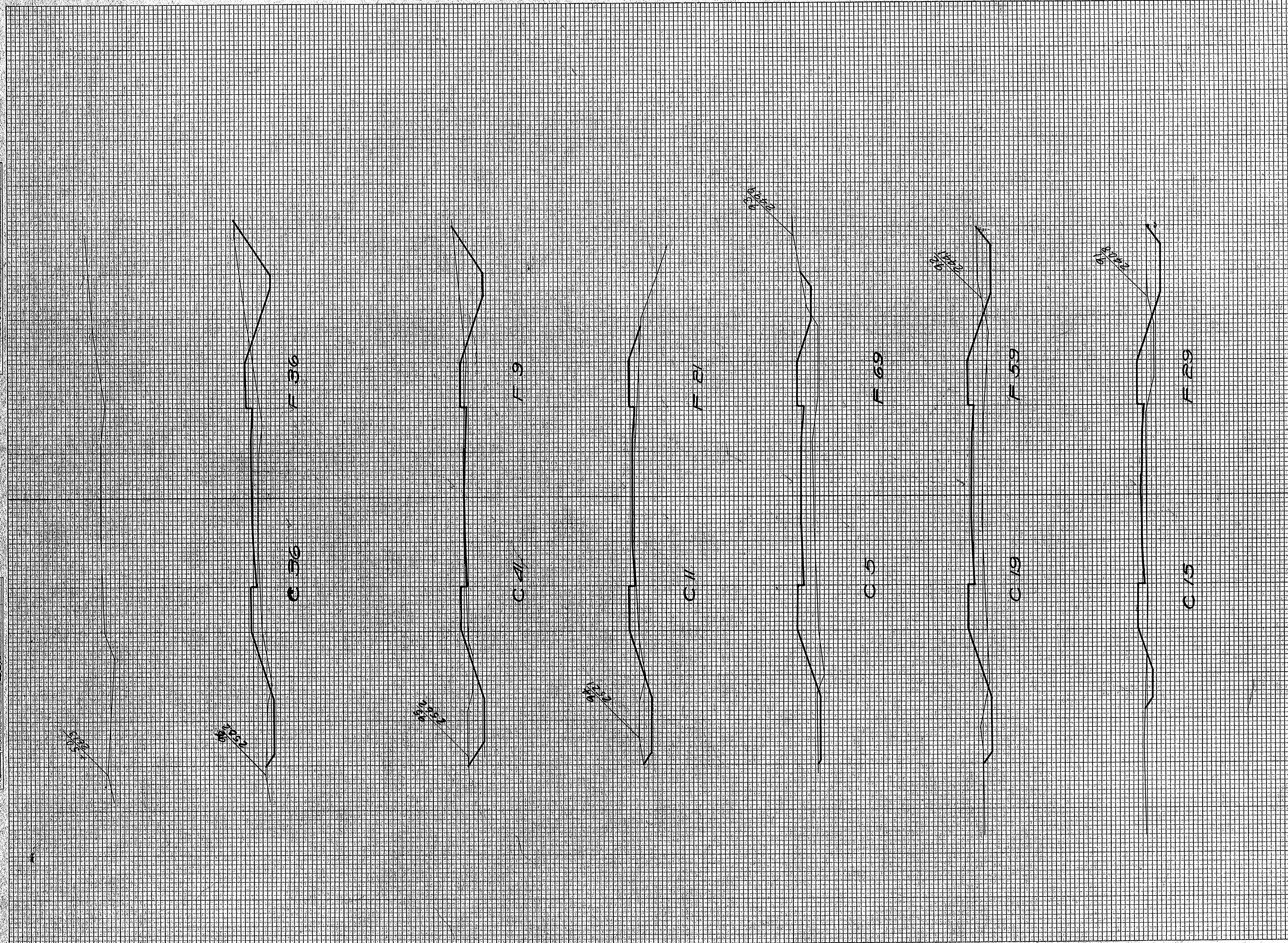


STATION	END AREA			DISTANCE	YARDAGE		
	EARTH CUT	ROCK CUT	FILL		EARTH CUT	ROCK CUT	TOTAL FILL
83+33	33		15				63
84+22	22		19	102	56		100
85+8	8		35	19			180
86+2	2		62	13			208
87+5	5		50	33			144
88+13	13		28	59			85
89+19	19		18	56			80
90+11	11		25				
TOTAL				338			860



FINAL SURVEY PLOTTED  
 NOTE BOOK NO. 5875  
 CHECKED BY: [Signature]

ORIGINAL SURVEY PLOTTED  
 NOTE BOOK NO. 5875  
 CHECKED BY: [Signature]

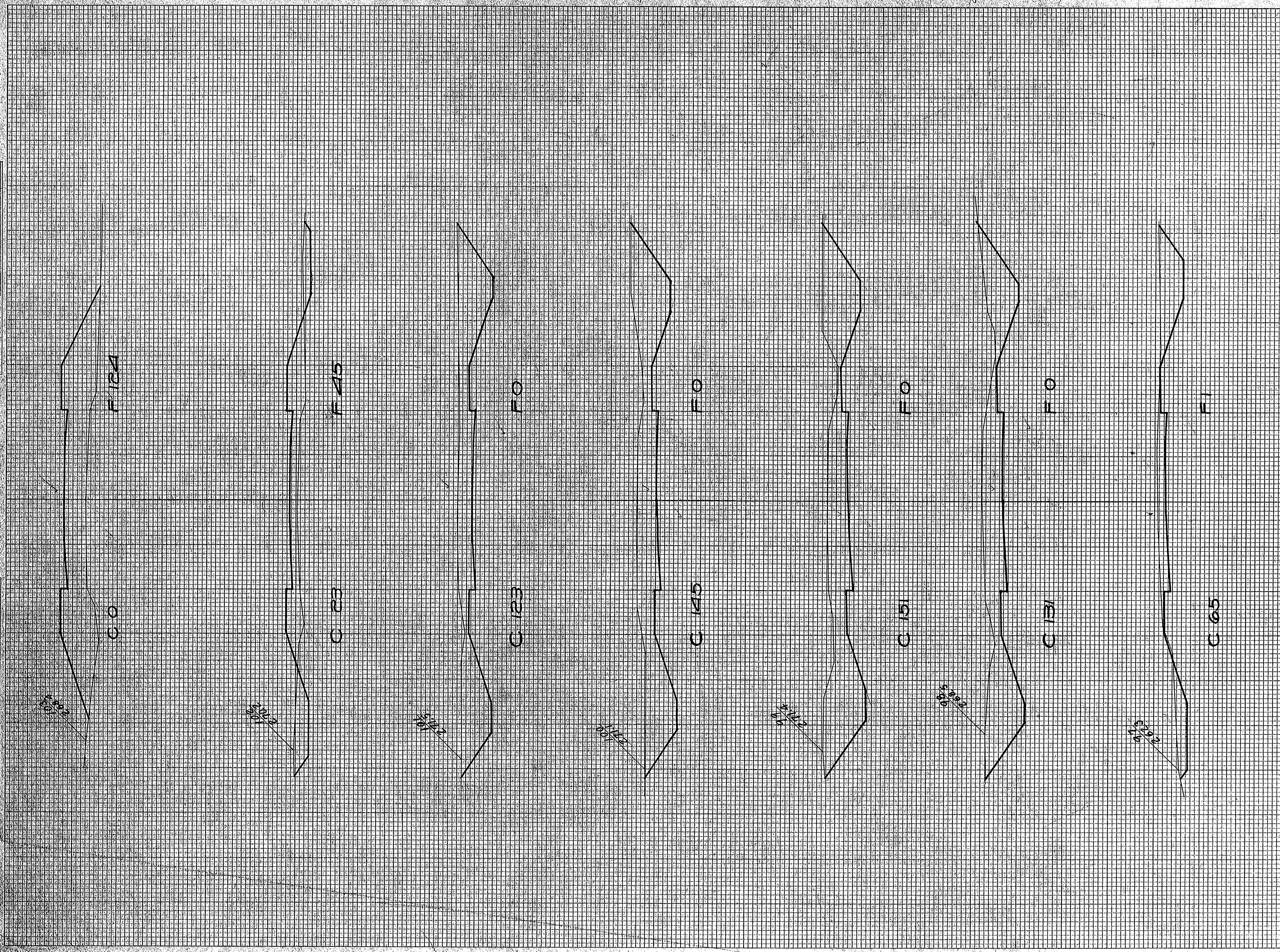


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH	ROCK	FILL		EARTH	L. ROCK	S. ROCK		
90	11		25				48		100
91	15		29				63		163
92	19		39				41		237
93	5		69				30		167
94	11		21				96		56
95	41		9				143		83
96	36		36						
TOTAL							424		606



FINAL SURVEY  
 DISTANCE  
 BEARING  
 CURVATURE  
 CORRECTION  
 AREA  
 VOLUME  
 WEIGHT  
 MOISTURE  
 CONTENT  
 STANDARD  
 DEVIATION

FINAL SURVEY  
 DISTANCE  
 BEARING  
 CURVATURE  
 CORRECTION  
 AREA  
 VOLUME  
 WEIGHT  
 MOISTURE  
 CONTENT  
 STANDARD  
 DEVIATION



STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH	ROCK	FILL		EARTH	ROCK	S. ROCK		
96	36	36							
97	65	1			187				69
98	131	0			363				8
99	151	0			582				0
100	145	0			548				0
101	123	0			496				0
102	23	45			870				83
103	0	124			43				313
<b>TOTAL</b>					<b>2989</b>				<b>467</b>

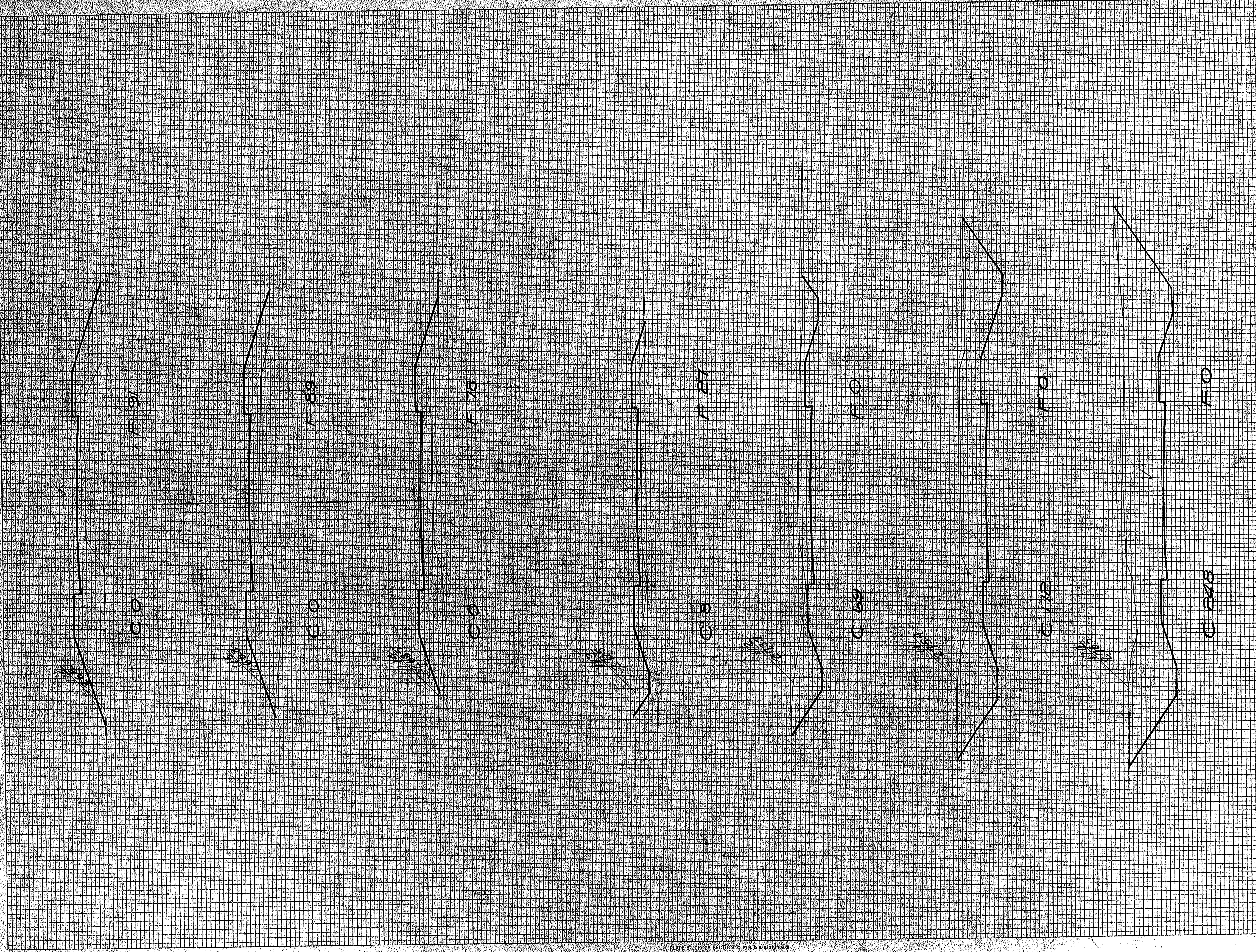


FINAL SURVEY NO. 5825  
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FINAL SURVEY

ORIGINAL SURVEY BY DATE  
 SURVEYED BY  
 CHECKED BY  
 DATE

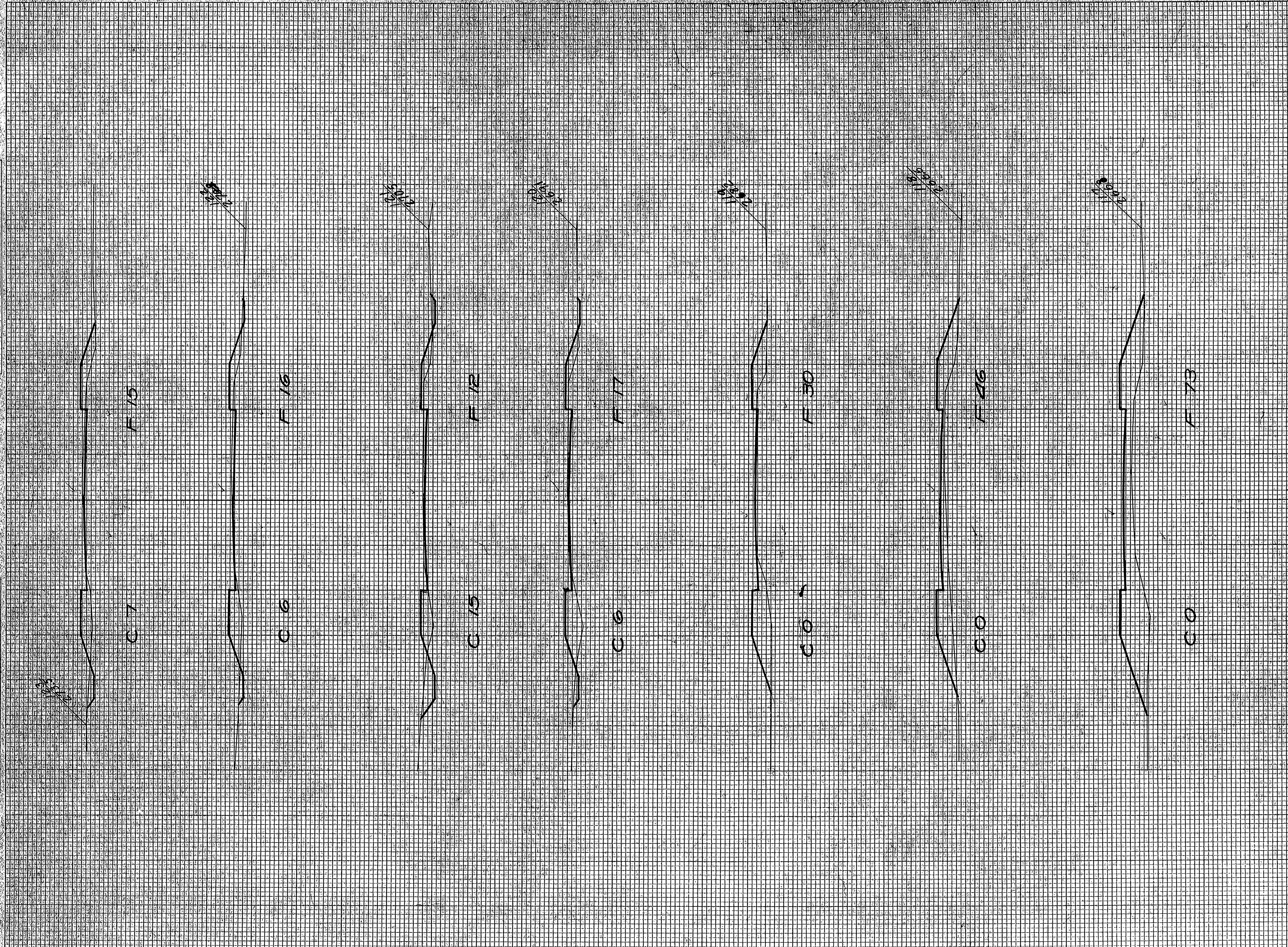


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH CUT	ROCK	FILL		EARTH CUT	ROCK	TOTAL		
109.219	0								
110.218	0			865					0
111.172	0			778					0
112.69	0			446					0
113.8	27			143					50
114.0	78			15					198
115.0	89			0					309
116.0	91			0					333
<b>TOTAL</b>				<b>2247</b>					<b>586</b>



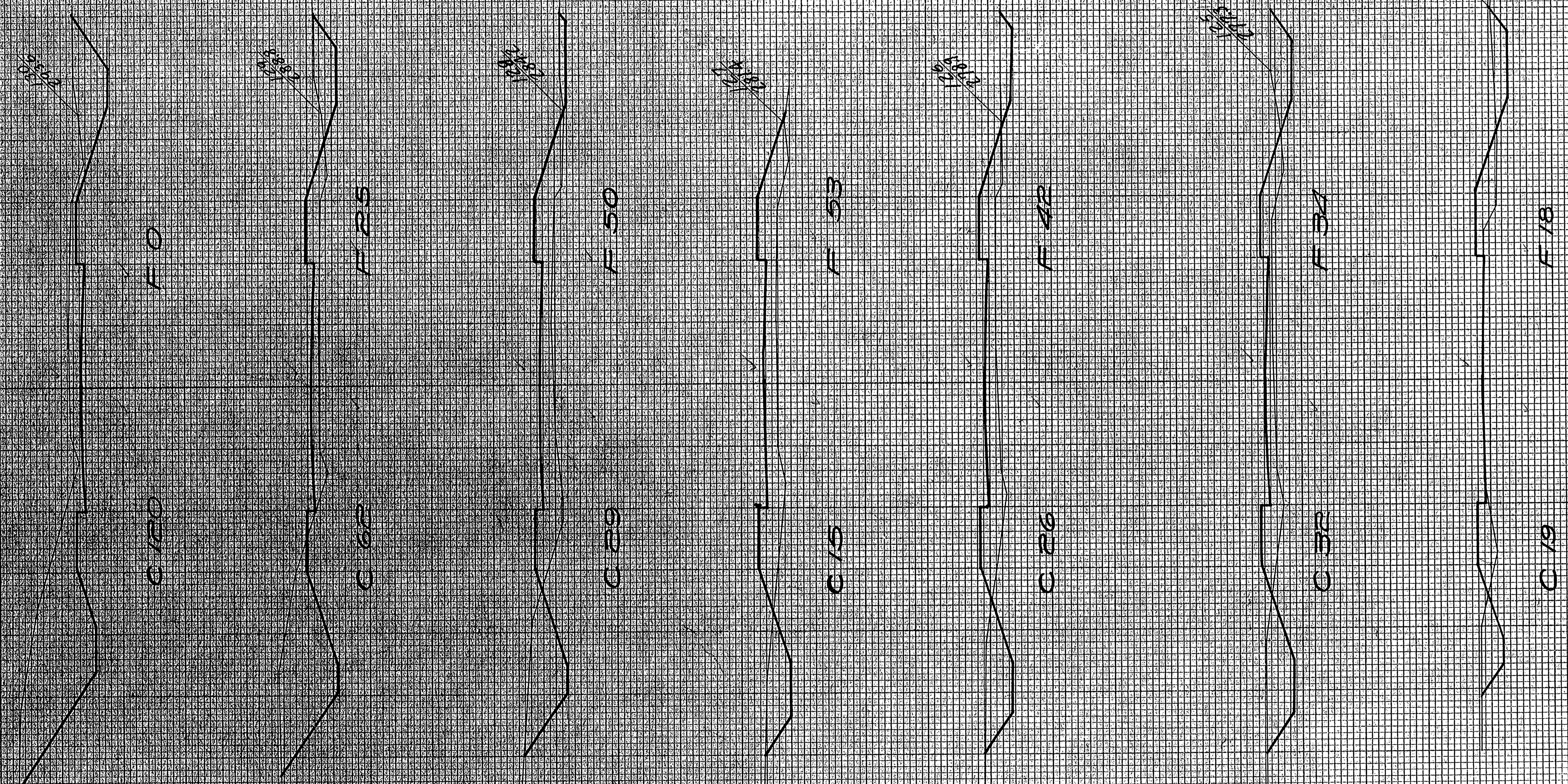
FINAL SURVEY  
 SURVEY LOTTERY  
 NOTE BOOK  
 AREA CALCULATED

DATE  
 DRAWN BY  
 CHECKED BY  
 APPROVED BY  
 TITLE



STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH CUT	ROCK	FILL		EARTH CUT	ROCK	FILL		
116	0	91							
117	0	73			0				504
118	0	46			0				820
119	0	30			0				141
120	6	17			11				87
121	15	12			39				62
122	6	16			39				50
123	7	15			24				57
<b>TOTAL</b>					<b>113</b>				<b>915</b>



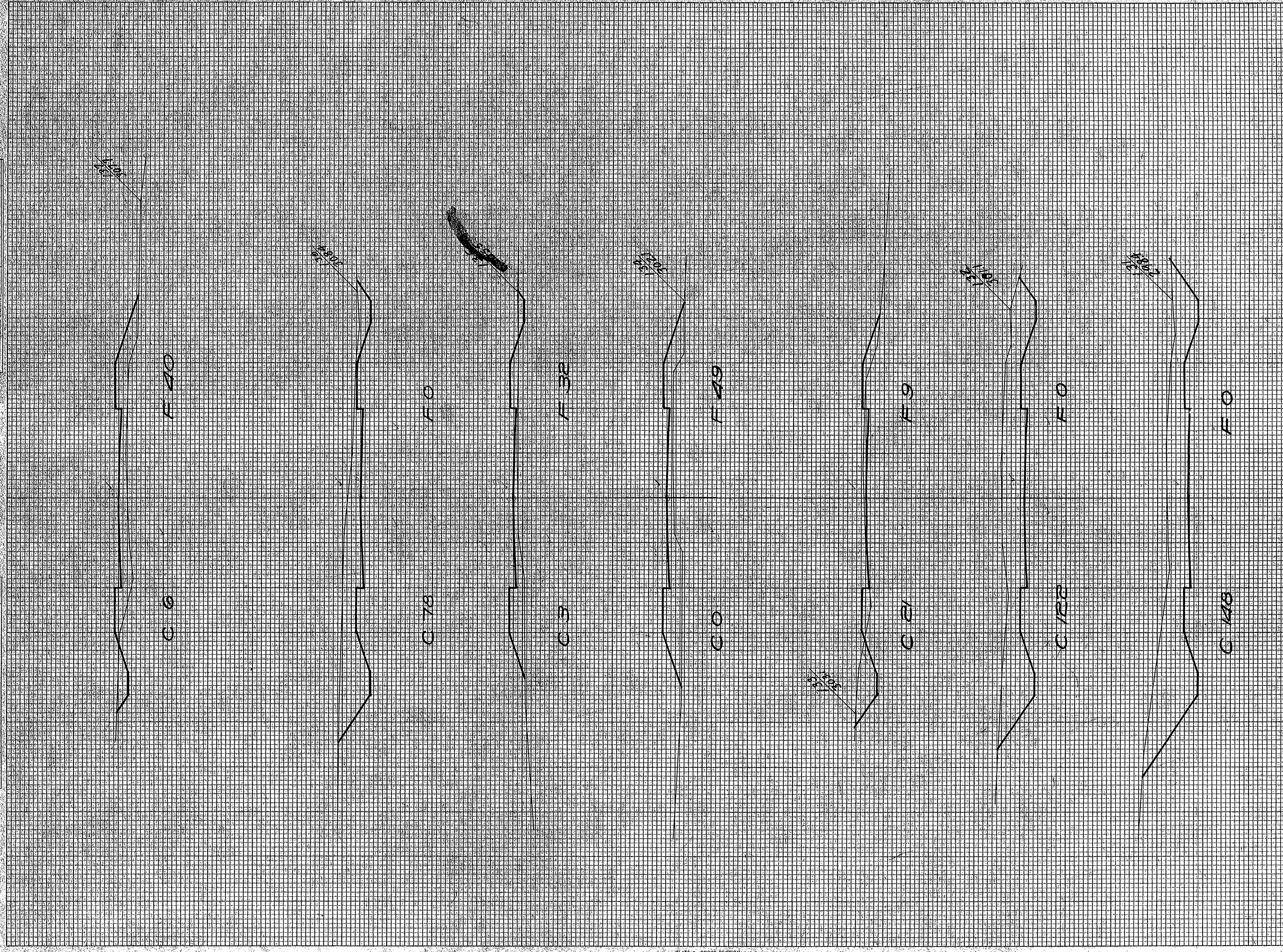


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH	ROCK	FILL		EARTH	L. ROCK	S. ROCK		
123.7		15							
					28				67
124.19		18			21				98
125.32		34							
					107				141
126.26		42							
					76				176
127.15		53							
					82				191
128.29		50							
					167				199
129.62		25							
					337				216
130.120		0							
TOTAL					913				830



FINAL SURVEY PLOTTED BY *W. J. FITTON*  
 CHECKED BY *W. J. FITTON*  
 DATE *12/1/22*

ORIGINAL SURVEY PLOTTED BY *W. J. FITTON*  
 CHECKED BY *W. J. FITTON*  
 DATE *12/1/22*



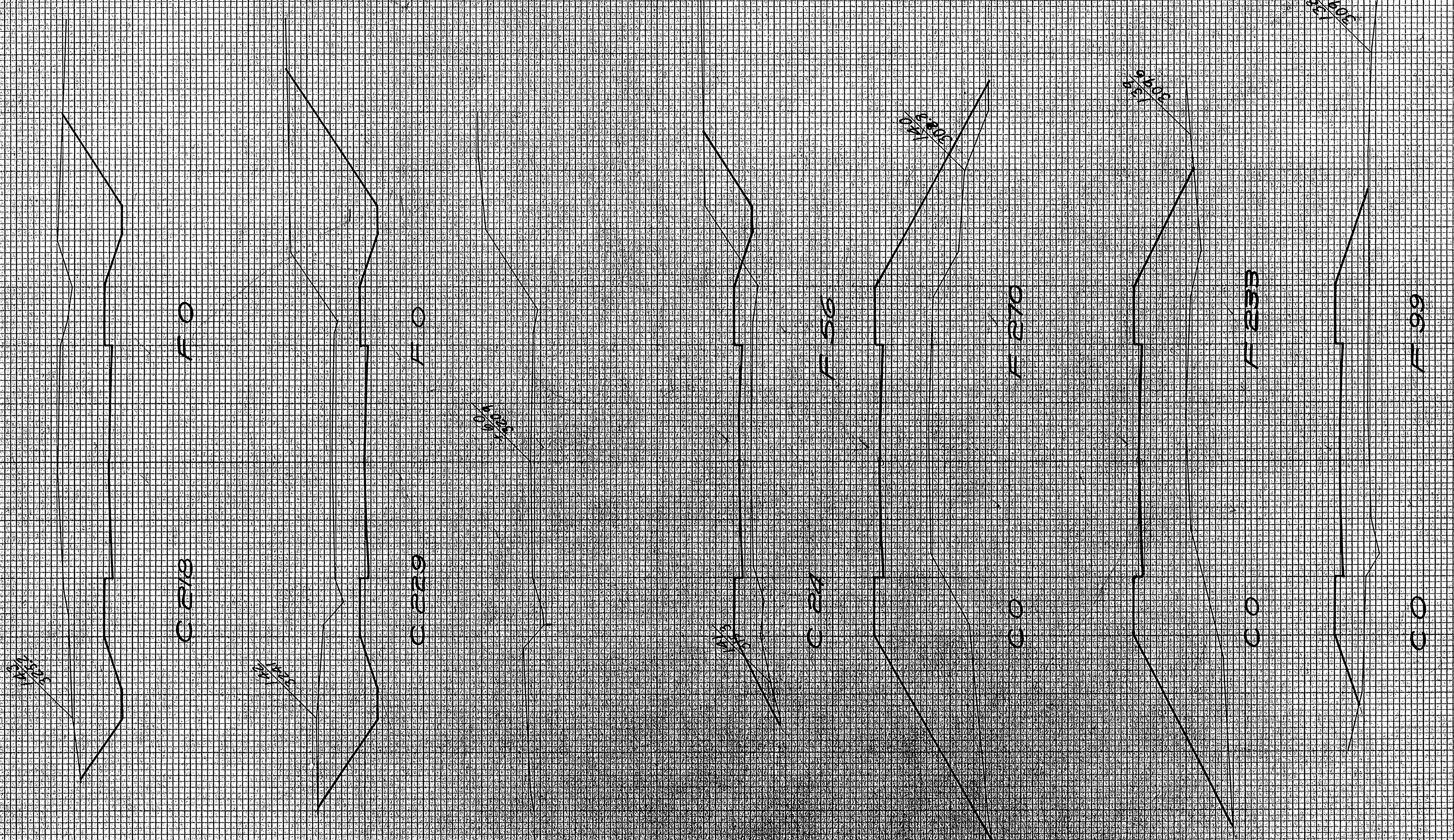
STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH	ROCK	FILL		EARTH	ROCK	S. ROCK		
130	120	0							
131	148	0		496					0
132	122	0		500					0
133	21	9		265					17
134	0	19		39					107
135	3	32		6					150
136	78	0		150					59
137	6	40		156					72
<b>TOTAL</b>				<b>1612</b>					<b>407</b>



DATE: \_\_\_\_\_  
 SURVEYED BY: \_\_\_\_\_  
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 REVISIONS: \_\_\_\_\_

DATE: \_\_\_\_\_  
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FED. ROAD DIST. NO. 4 STATE WISC. DIVISION JOB NO. 3399  
 AID PROJ. NO. 3399 SHEET NO. 50 TOTAL SHEETS 50

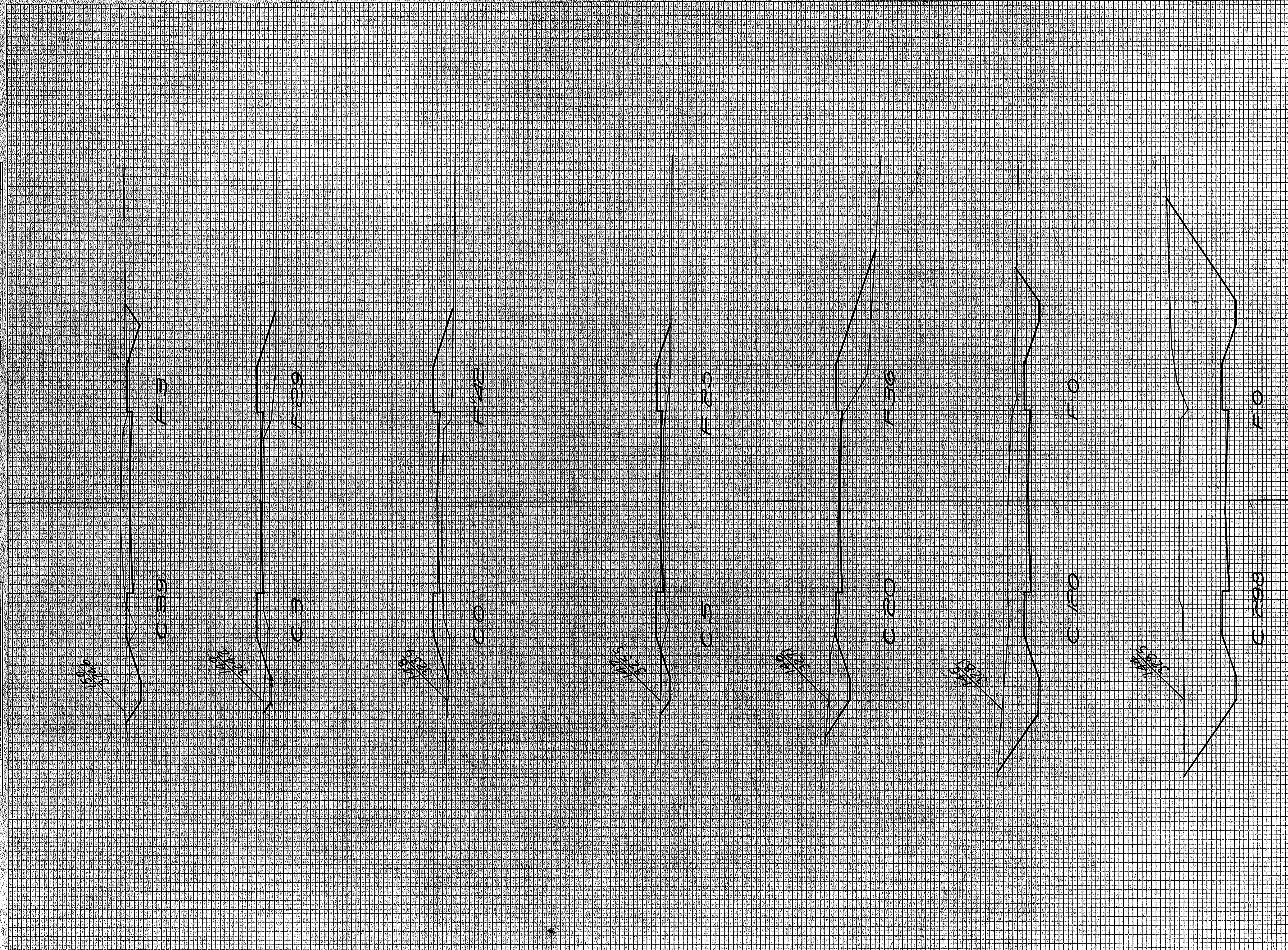


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH CUT	ROCK CUT	FILL		EARTH CUT	ROCK CUT	S. ROCK CUT		
137 6	40								
138 0	59			11					257
139 0	233			0					615
140 0	270			0					931
141 24	56			24					604
142 229	0			469					104
143 218	0			858					0
TOTAL				1552					257



FINAL SURVEY  
DATE: 10/1/50  
BY: [Signature]

ORIGINAL SURVEY  
DATE: 10/1/50  
BY: [Signature]

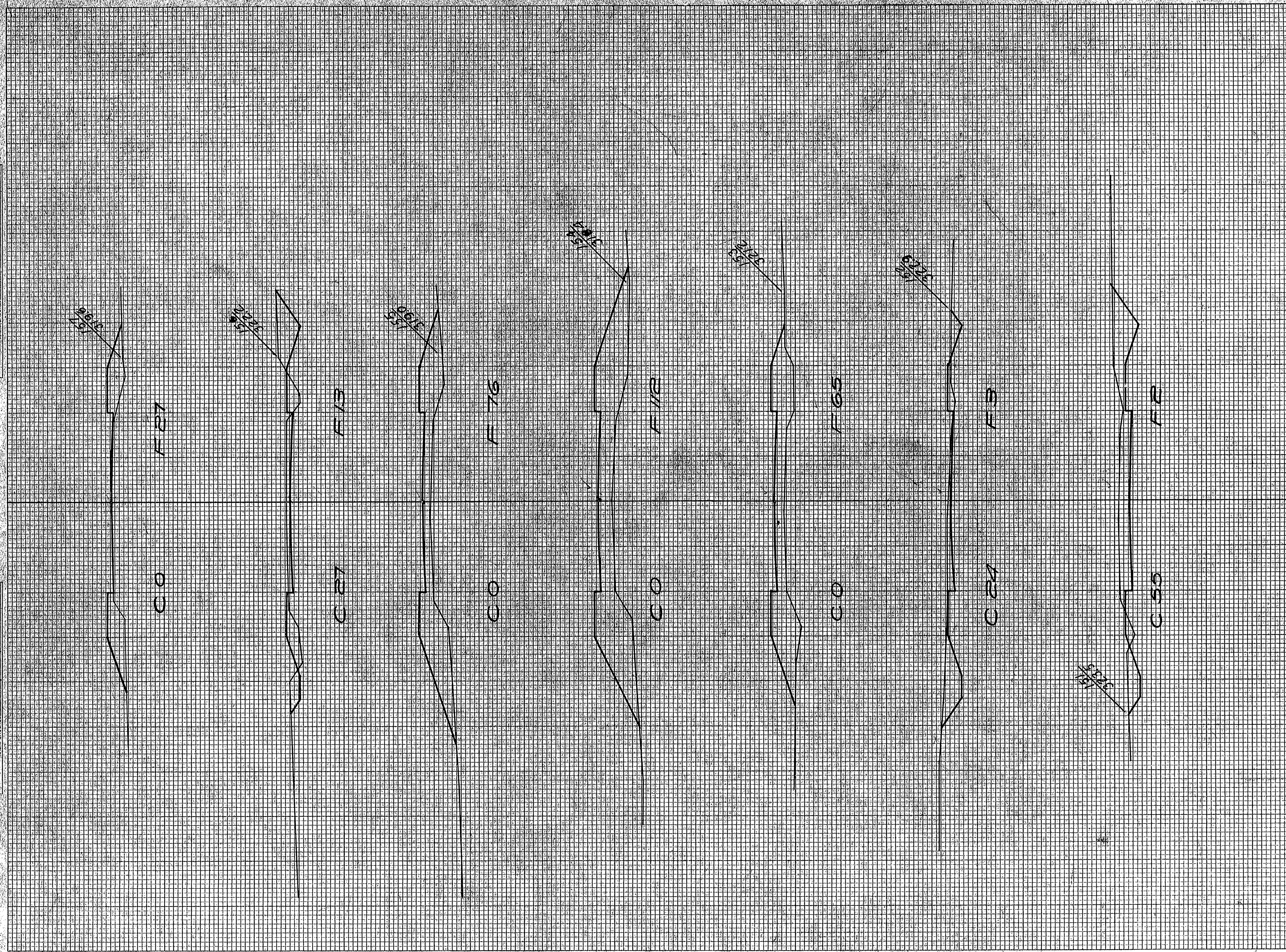


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH CUT	ROCK CUT	FILL		EARTH CUT	ROCK CUT	TOTAL		
143.218	0								
144.298	0			956					0
145.120	0			774					0
146.20	36			259					67
147.5	23			46					113
148.0	42			9					122
149.3	29			6					132
150.39	3			78					59
TOTAL				2128					495



FINAL SURVEY PLOTTED  
 NOTE BOOK NO. 2825  
 RECHECKED BY  
 DATE

ORIGINAL SURVEY PLOTTED  
 NOTE BOOK NO. 2825  
 RECHECKED BY  
 DATE 3/17/4

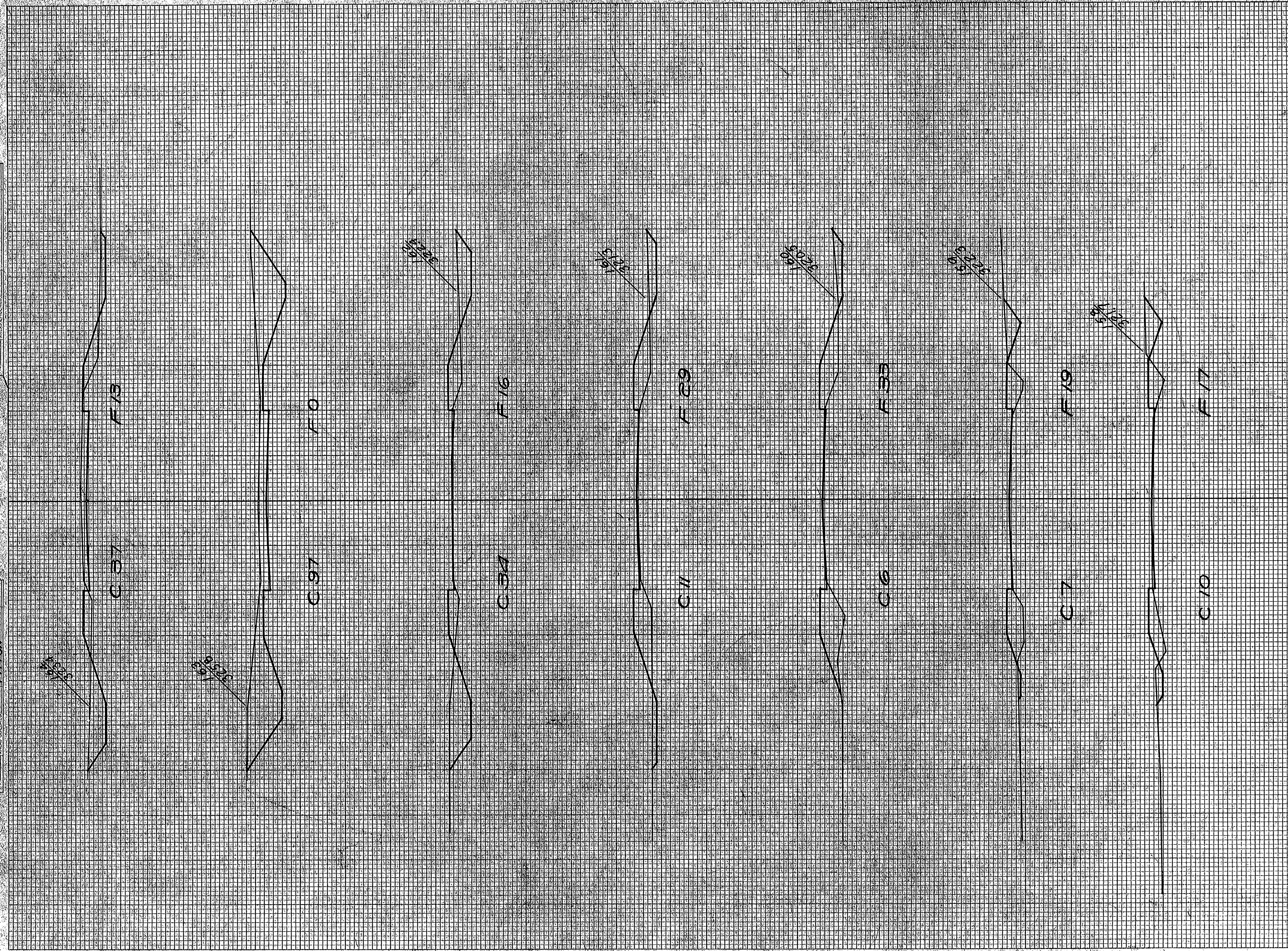


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH	ROCK	FILL		EARTH	ROCK	S. ROCK		
150.39	3								9
151.55	2			174					9
152.24	3			146					126
153.0	65			44					328
154.0	112			0					348
155.0	76			50					165
156.27	13			50					74
157.0	27								
<b>TOTAL</b>				<b>464</b>					<b>1059</b>



FINAL SURVEY NOTES CHECKED BY: [Signature]

ORIGINAL SURVEY NOTES CHECKED BY: [Signature]

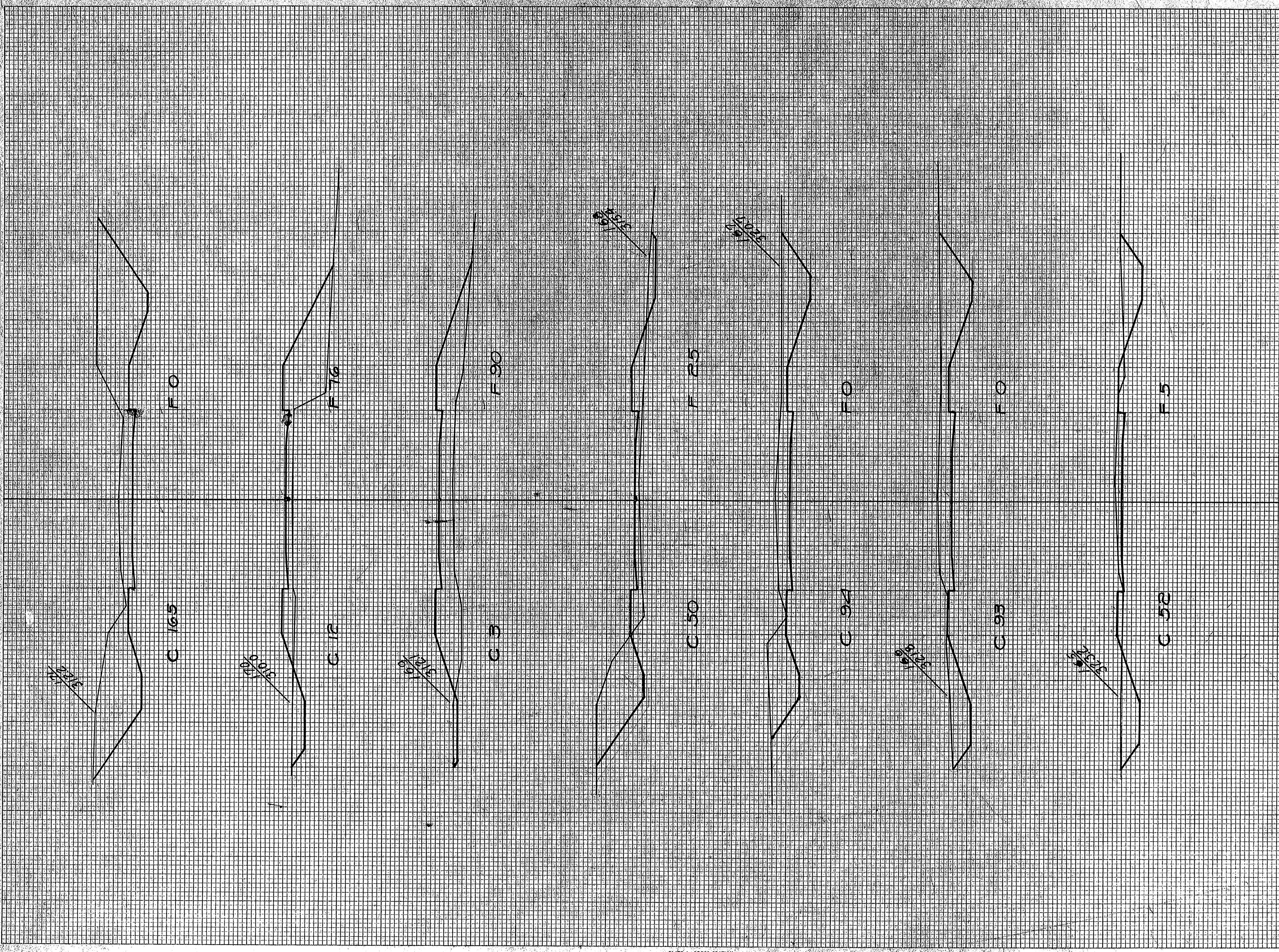


STATION	END AREA			DISTANCE	YARDAGE		
	EARTH CUT	ROCK CUT	FILL		EARTH CUT	ROCK CUT	TOTAL
157 0	27			19			81
158 10	17			32			67
159 1	TOTAL 19			51			128
	MILE @ 9719						7577
160 6	33			24			96
161 11	29			32			115
162 39	16			83			63
163 97	0			243			30
164 37	13			215			27
TOTAL				630			348



DATE: \_\_\_\_\_  
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 SURVEY: \_\_\_\_\_  
 SUBREY: \_\_\_\_\_  
 NOTE BOOK AREA: \_\_\_\_\_  
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 CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_  
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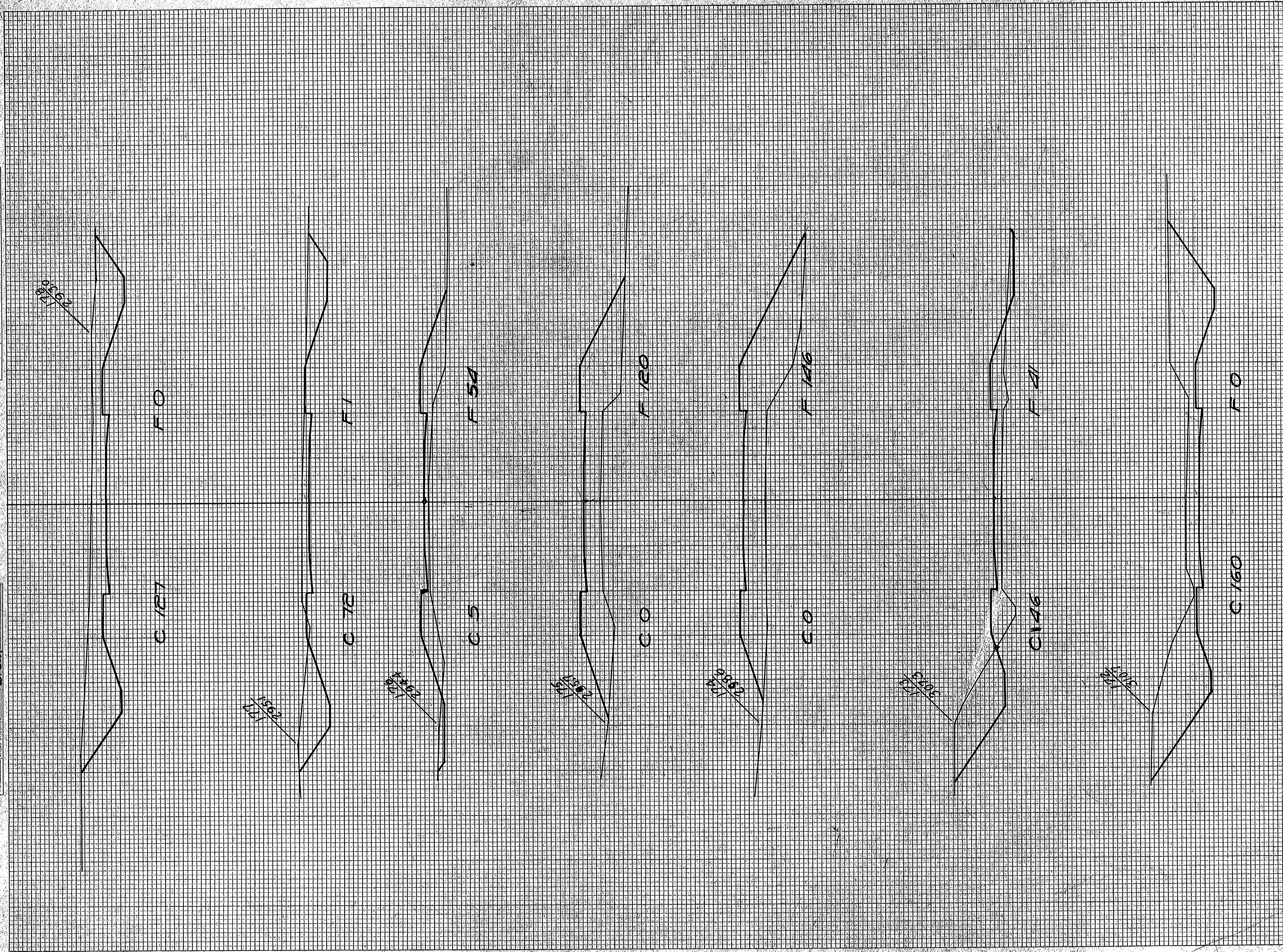


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH CUT	ROCK	FILL		EARTH	L. ROCK	S. ROCK		
164 37	13								
165 52	5			165					53
166 93	0			267					9
167 94	0			346					0
168 50	25			267					46
169 3	90			98					213
170 12	76			28					307
171 165	0			328					121
<b>TOTAL</b>					1501				749



FINAL SURVEY PLOTTED  
 SURVEY PLOTTED  
 NOTE BOOK NO. 5825  
 AREA CHECKED

ORIGINAL SURVEY PLOTTED  
 SURVEY PLOTTED  
 NOTE BOOK NO. 5825  
 AREA CHECKED

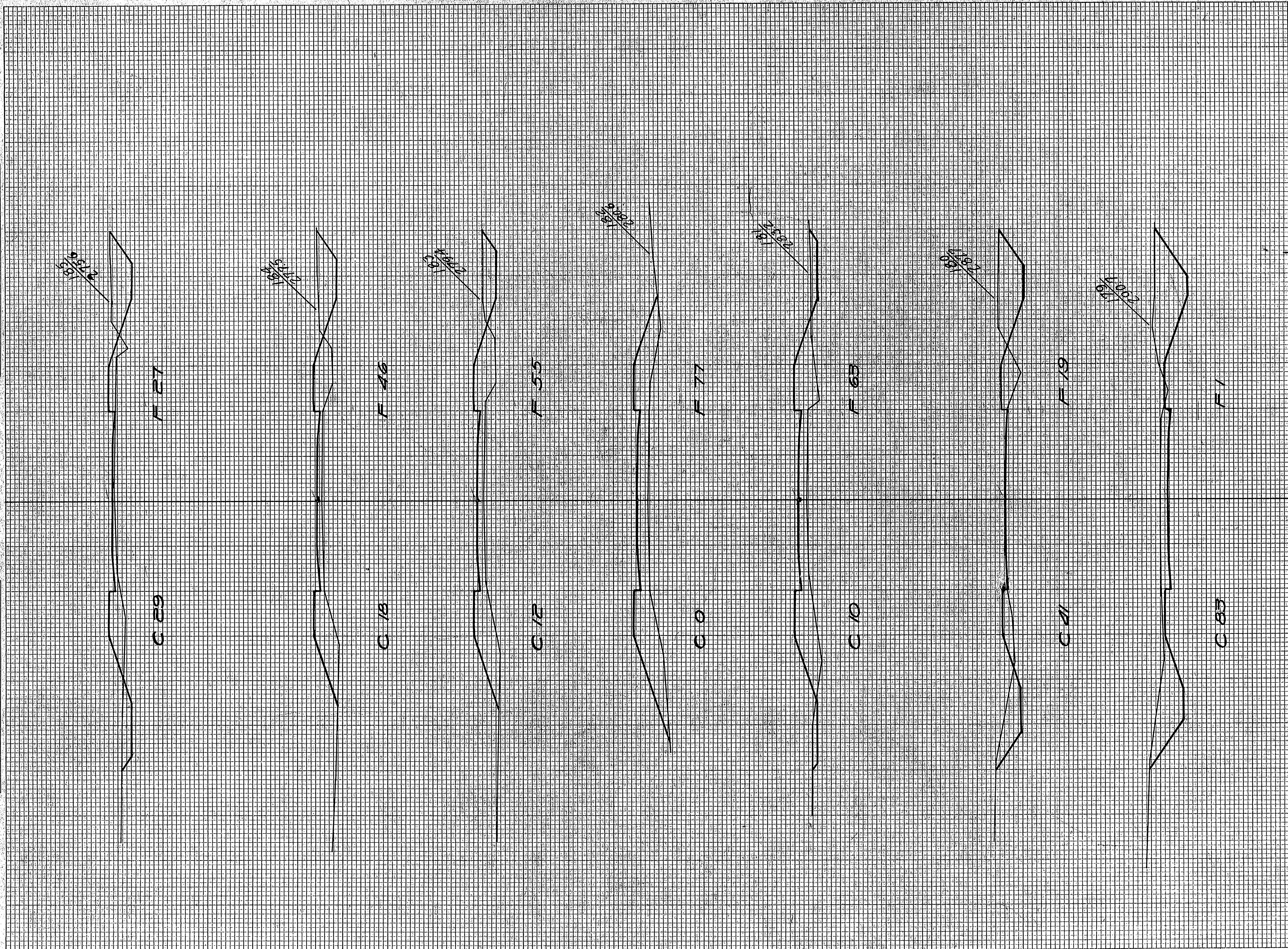


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH	ROCK	FILL		EARTH	L. ROCK	S. ROCK		
171+60	0	0	0						0
172+60	0	0	0	608					
173+46	41	0	0	381					76
174+0	146	0	0	85					346
175+0	120	0	0	0					493
176+5	54	0	0	9					533
177+72	1	0	0	143					102
178+27	0	0	0	367					8
TOTAL				1589					1341



FINAL SURVEYED BY DATE  
 SURVEY PLOTTED BY  
 NOTE BOOK NO. 3823  
 AREAS CHECKED

ORIGINAL SURVEYED BY DATE  
 SURVEY PLOTTED BY  
 NOTE BOOK NO. 3823  
 AREAS CHECKED

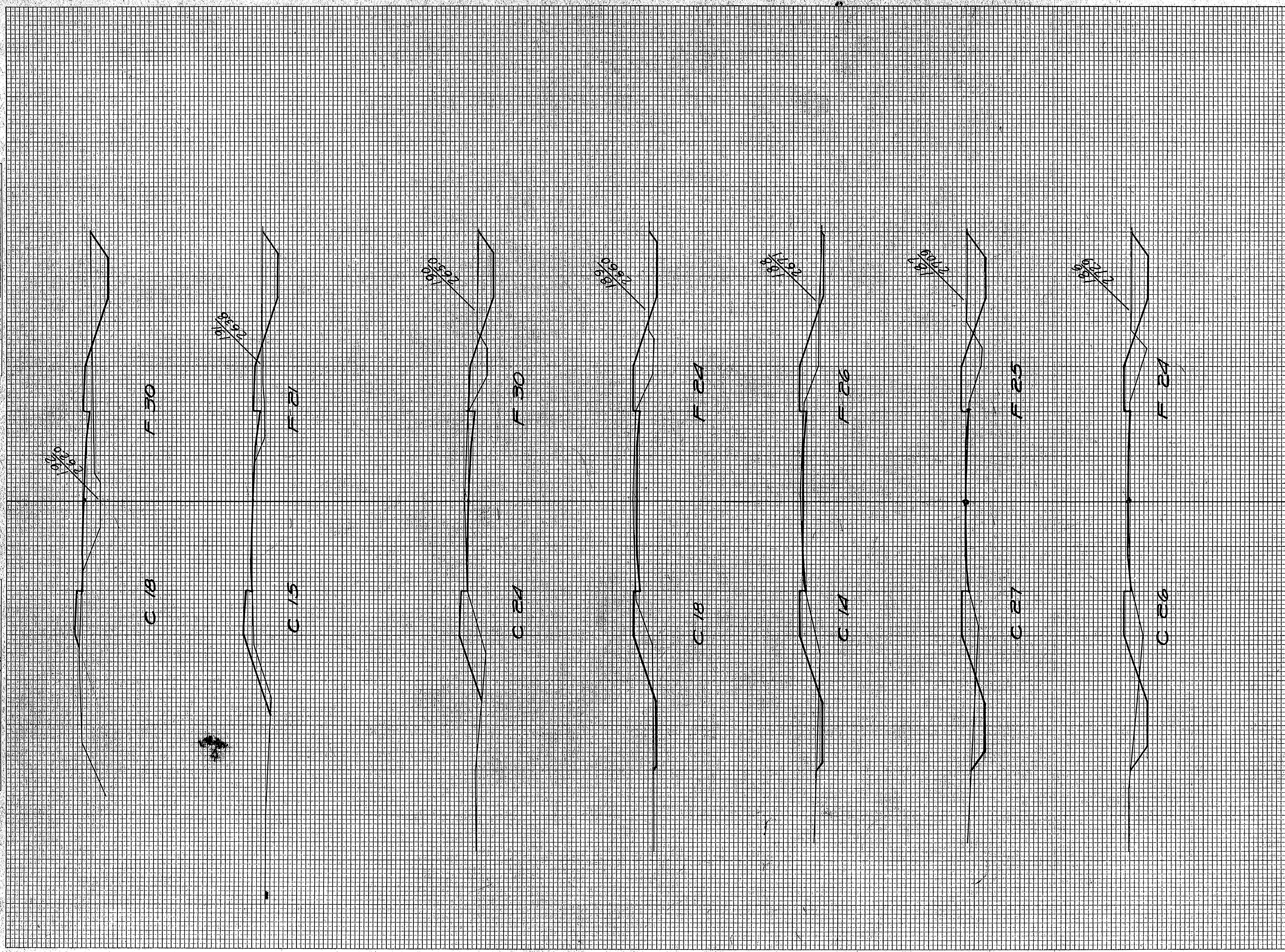


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH CUT	ROCK	FILL		EARTH	L. ROCK	S. ROCK		
178 27	0								
179 83	1				389				8
180 41	19				230				37
181 10	63				94				152
182 0	77				18				259
183 12	55				22				244
184 18	46				56				187
185 29	27				67				135
<b>TOTAL</b>					<b>896</b>				<b>1016</b>



FINAL SURVEY PLOTTED BY DATE  
 NOTE BOOK NO. 585  
 AREA CHECKED

ORIGINAL SURVEY PLOTTED BY DATE  
 SURVEY PLOTTED BY DATE  
 NOTE BOOK NO. 585  
 AREA CHECKED

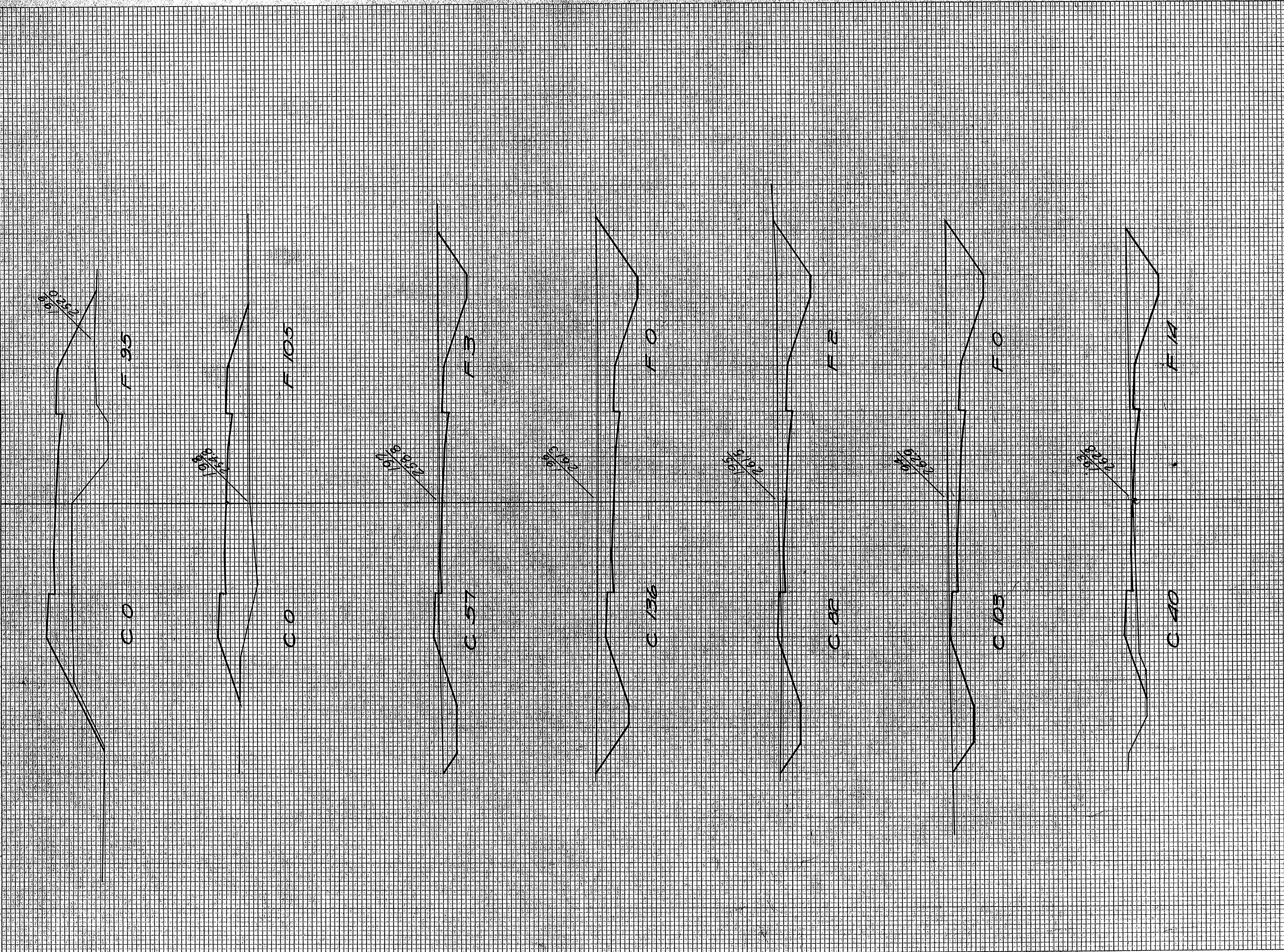


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH CUT	ROCK	FILL		EARTH CUT	ROCK	S. ROCK		
185+29	27								
186+26	24				102				94
187+27	25				98				91
188+14	26				76				94
189+19	24				59				93
190+24	30				78				100
191+15	21				72				94
192+18	30				61				94
<b>TOTAL</b>					<b>546</b>				<b>660</b>



FINAL SURVEY PLOTTED  
NOTEBOOK TEMPLATE NO. 5825  
CHECKED BY

ORIGINAL SURVEY PLOTTED  
NOTEBOOK TEMPLATE NO. 5825  
CHECKED BY

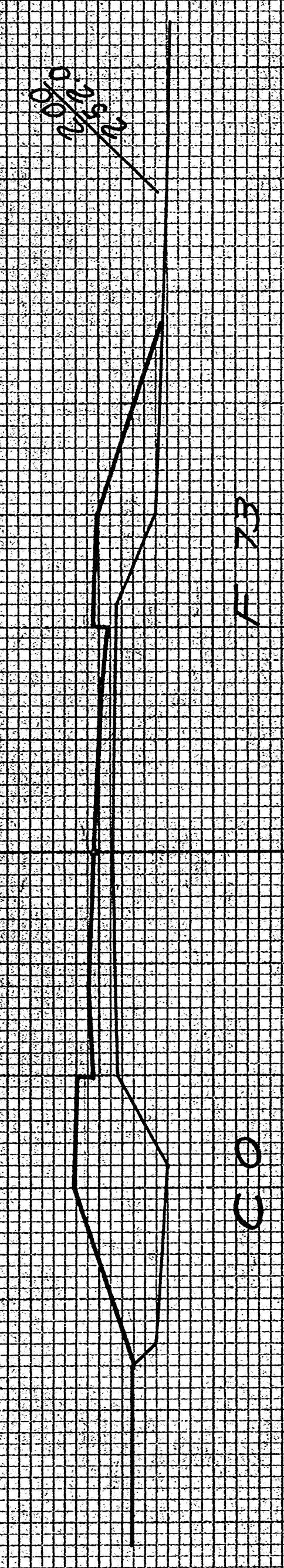
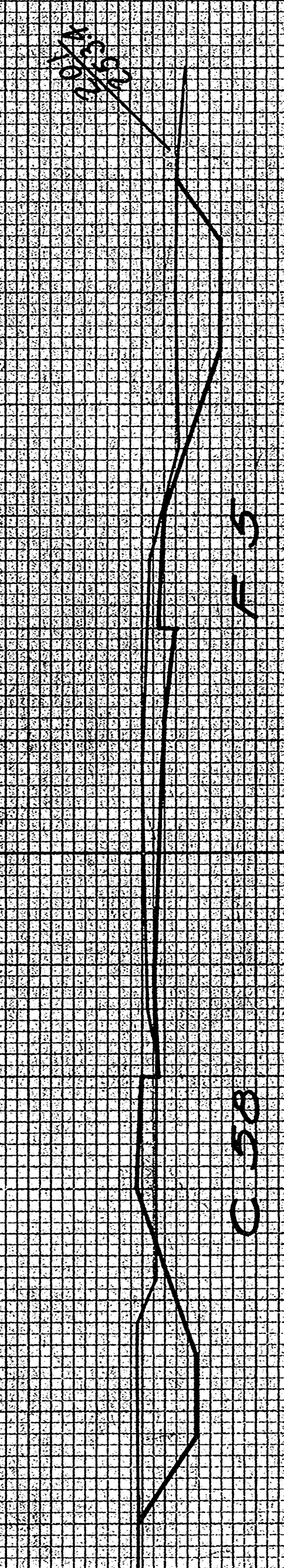
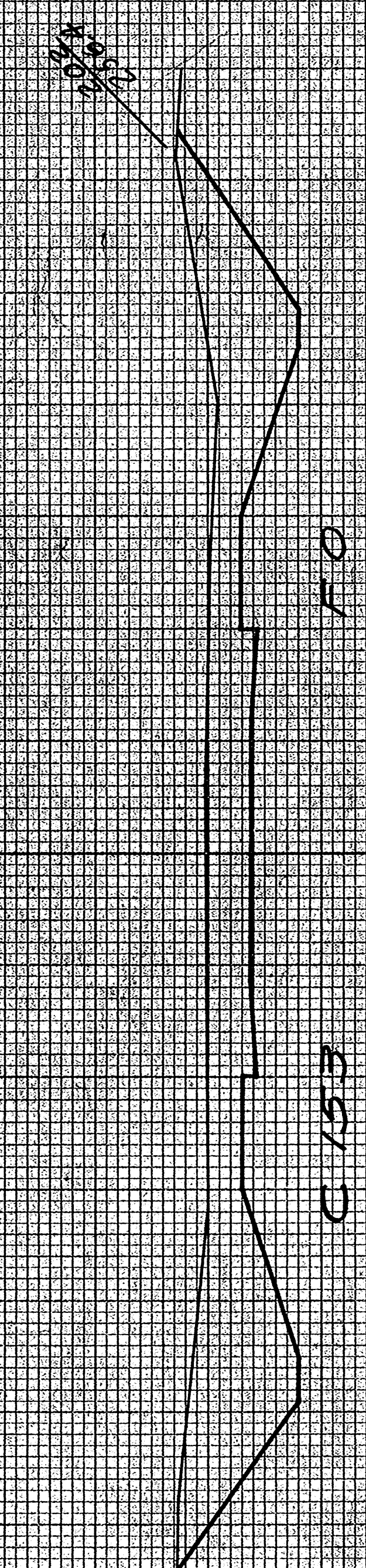
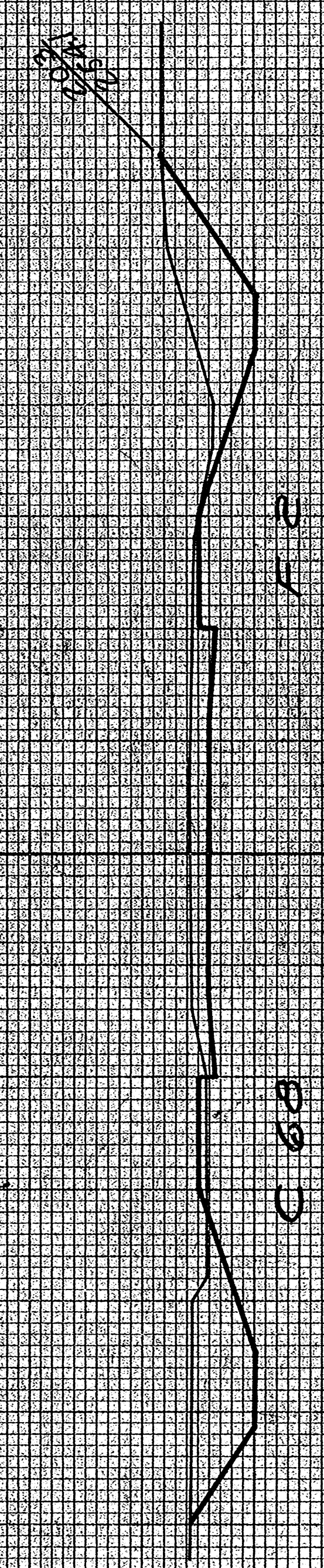
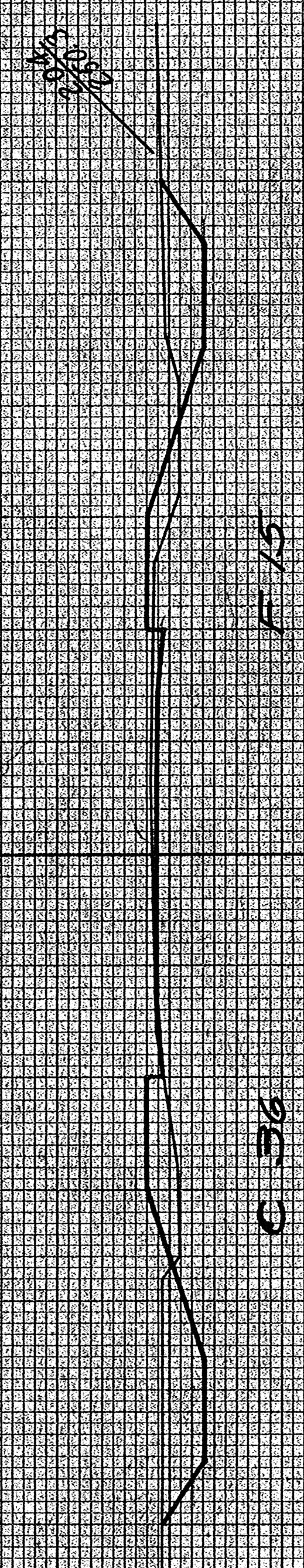
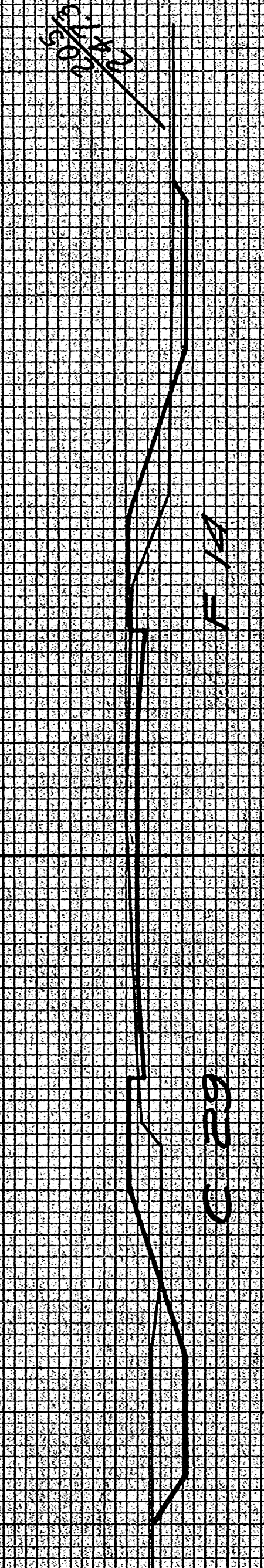
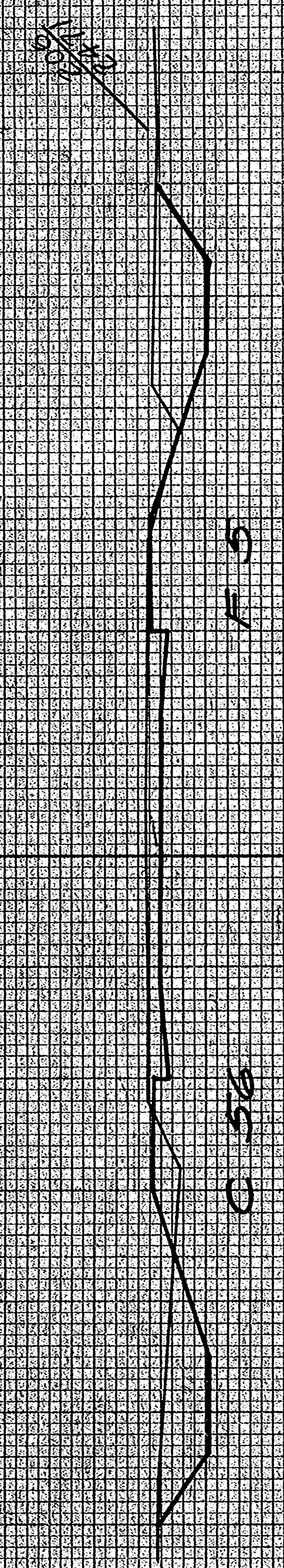


STATION	END AREA			DISTANCE	YARDAGE			TOTAL FILL
	EARTH	ROCK	FILL		EARTH	ROCK	TOTAL	
192 18	30							
193 40	19				107			58
					265			26
194 103	0				347			4
195 82	2				102			1
196 136	0				357			6
197 57	3				106			200
198 0	105				0			370
199 0	55							
<b>TOTAL</b>					<b>1582</b>			<b>692</b>



FINAL SURVEY  
 SURVEYED BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: [Date]

ORIGINAL SURVEY  
 SURVEYED BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: [Date]

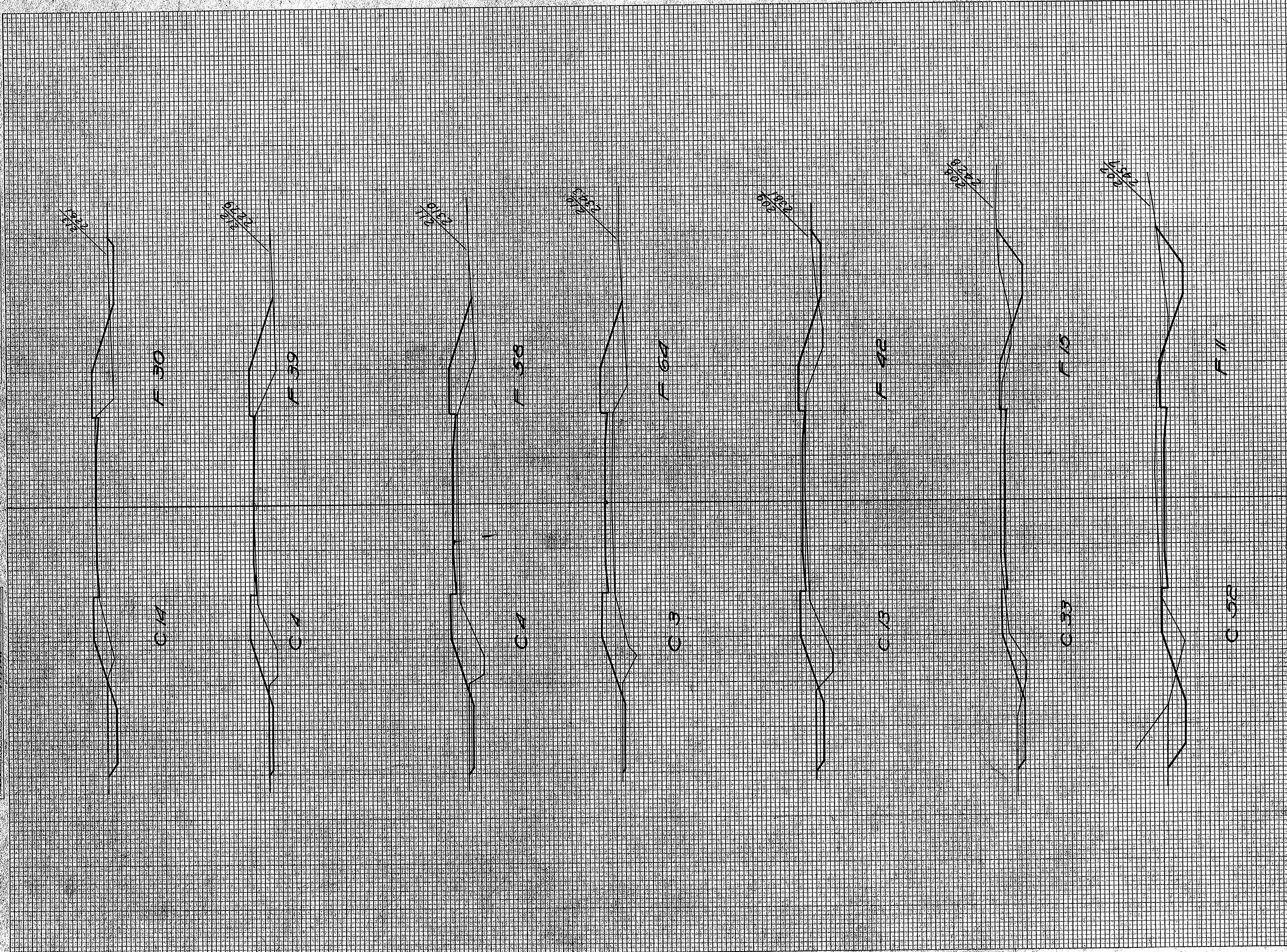


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL
	EARTH CUT	ROCK	FILL		EARTH CUT	ROCK	S. ROCK		
199 0	95								
200 0	73			0					511
201 58	5			107					145
202 153	0			391					9
203 68	2			409					1
204 36	15			121					32
205 29	14			120					54
206 56	5			157					35
<b>TOTAL</b>					1371				670



ORIGINAL SURVEY PLANS  
 DATE  
 BY  
 CHECKED BY  
 DATE

ORIGINAL SURVEY PLANS  
 DATE  
 BY  
 CHECKED BY  
 DATE

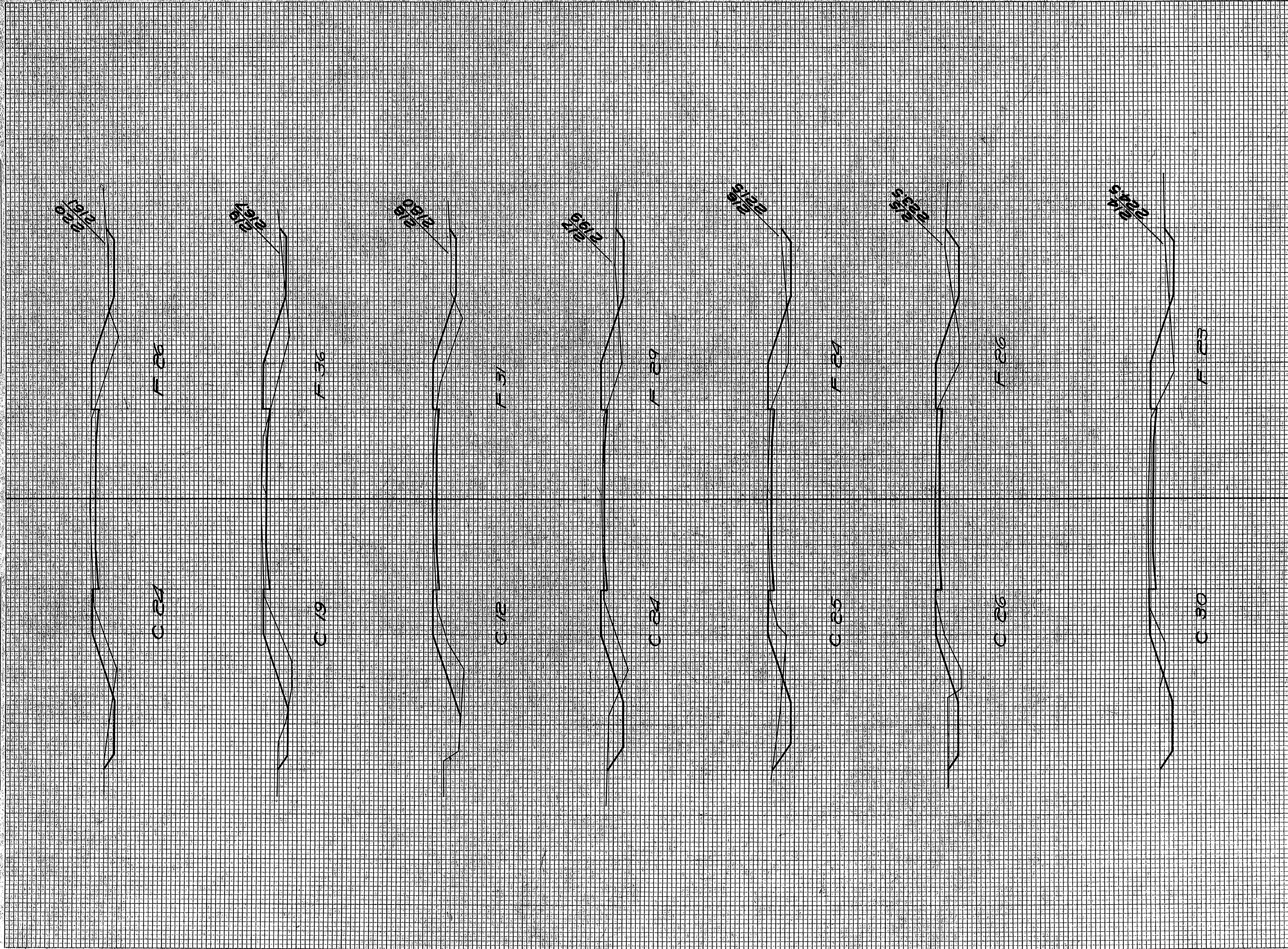


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH CUT	ROCK	FILL		EARTH CUT	ROCK	S. ROCK		
206 56	5			200				30	
207 52	11			157				48	
208 33	15			85				106	
209 13	42			30				196	
210 3	68			13				226	
211 4	58			15				180	
	TOTAL			500				786	
212 9	39							6182	
	1 MILE			33				188	
213 13	30								
TOTAL				33				188	



FINAL SURVEY PLOTTED  
 SURVEY PLOTTED  
 NOTE BOOK AREAS CHECKED  
 NO. 5825

ORIGINAL SURVEY PLOTTED  
 SURVEY PLOTTED  
 NOTE BOOK AREAS CHECKED  
 NO. 5825

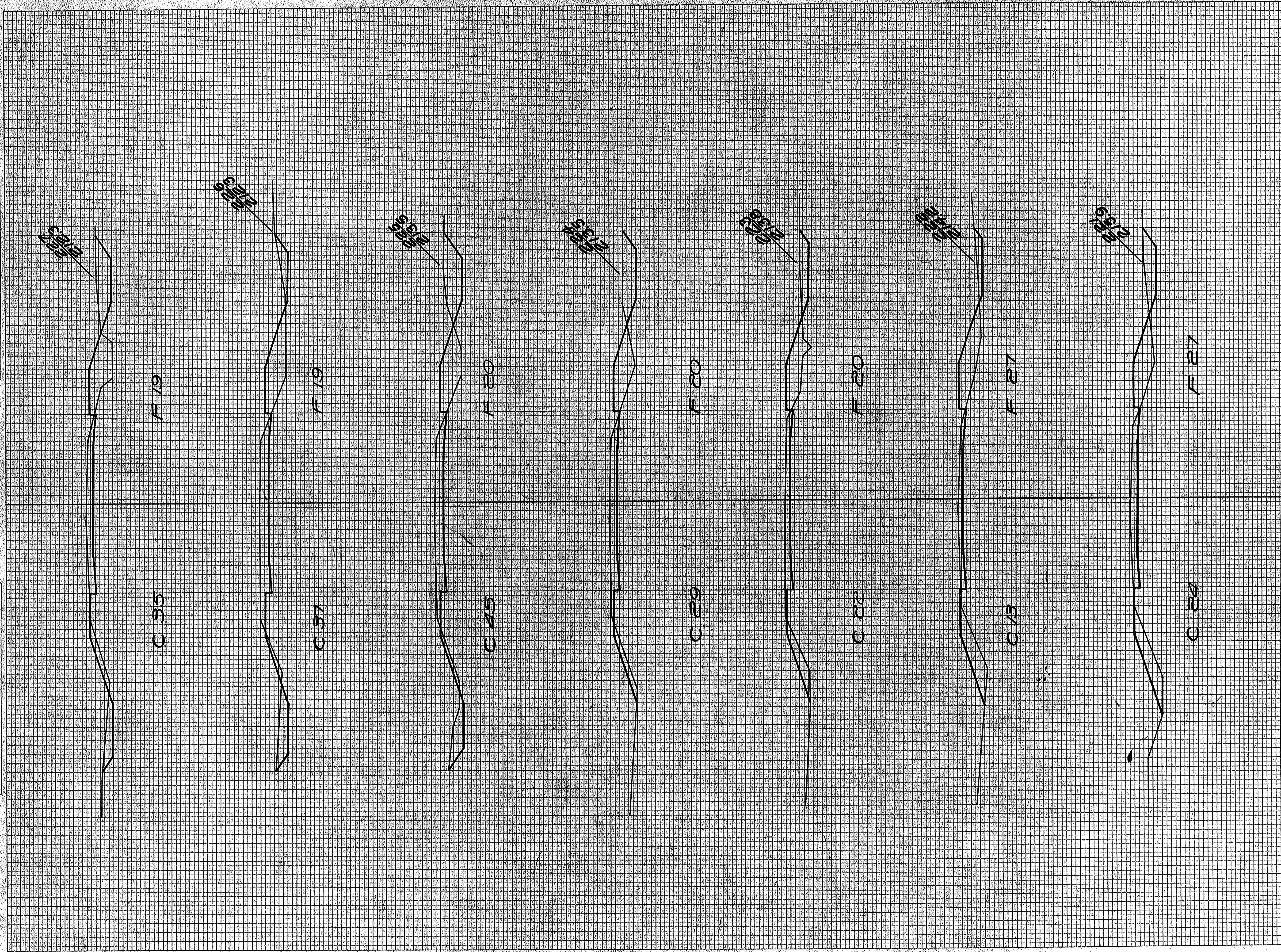


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH	ROCK	FILL		EARTH	ROCK	S. ROCK		
213 14	30								
214 30	23			82					82
215 26	26			104					104
216 25	24			94					94
217 24	29			91					91
218 12	31			67					67
219 19	36			57					57
220 17	26			80					80
<b>TOTAL</b>				<b>575</b>					<b>730</b>



ORIGINAL SURVEYED BY DATE  
 SURVEY PLOTTED BY  
 NOTE BOOK NO. 508  
 AREAS CHECKED BY

FINAL SURVEYED BY DATE  
 SURVEY PLOTTED BY  
 NOTE BOOK NO. 508  
 AREAS CHECKED BY

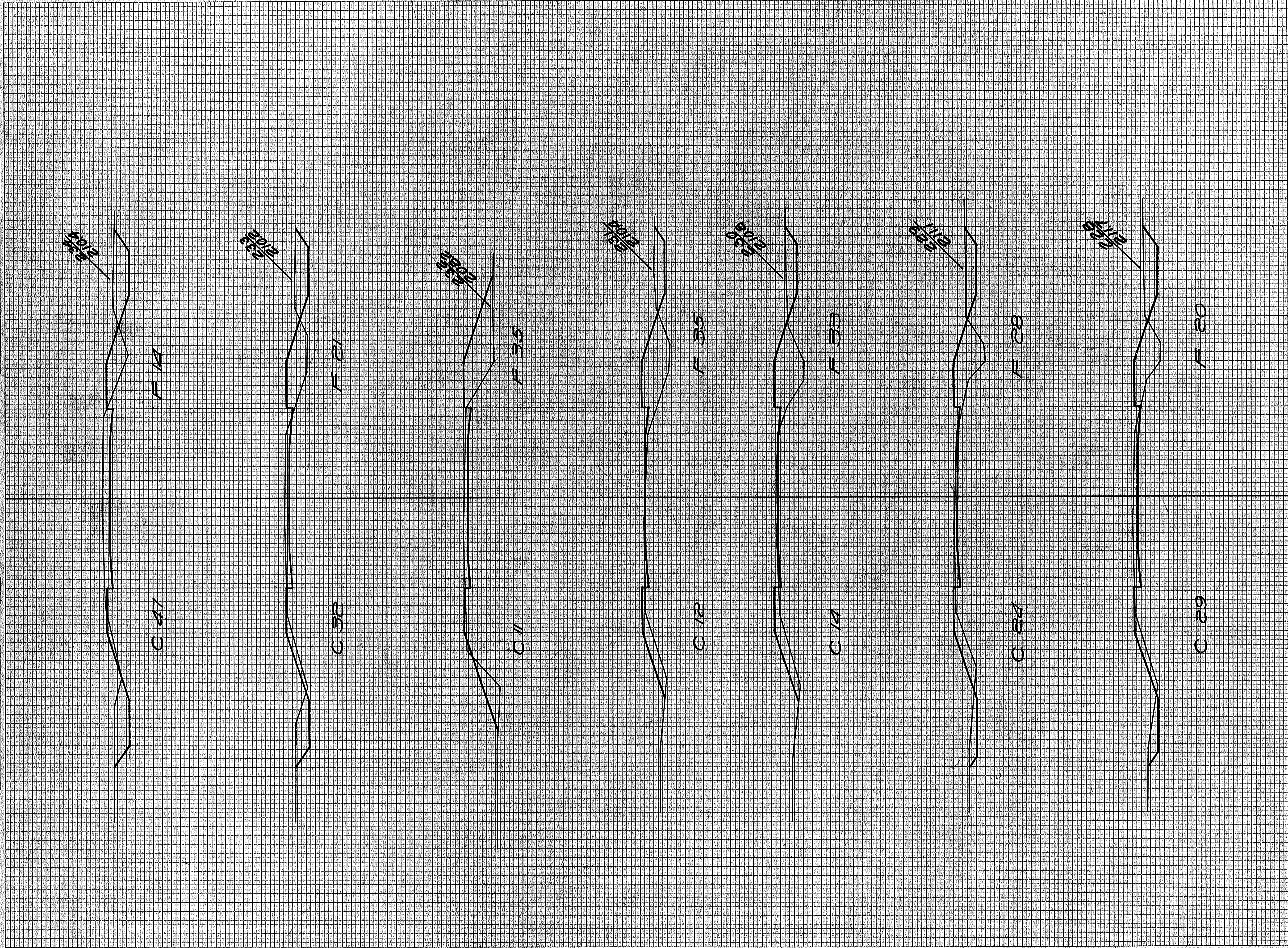


STATION	END AREA		DISTANCE	VARDAGE			TOTAL	TOTAL FILL
	EARTH CUT	ROCK		EARTH	L. ROCK	S. ROCK		
220 24	26							
221 24	27		89				98	
222 13	27		69				100	
223 22	20		65				87	
224 29	20		94				74	
225 45	20		157				74	
226 37	19		152				72	
227 35	19		153				70	
<b>TOTAL</b>							<b>739</b>	<b>575</b>



FINAL SURVEY  
 SURVEY  
 NOTE BOOK  
 AREAS CHECKED  
 NO.

ORIGINAL SURVEY  
 SURVEY  
 NOTE BOOK  
 AREAS CHECKED  
 NO. 5822

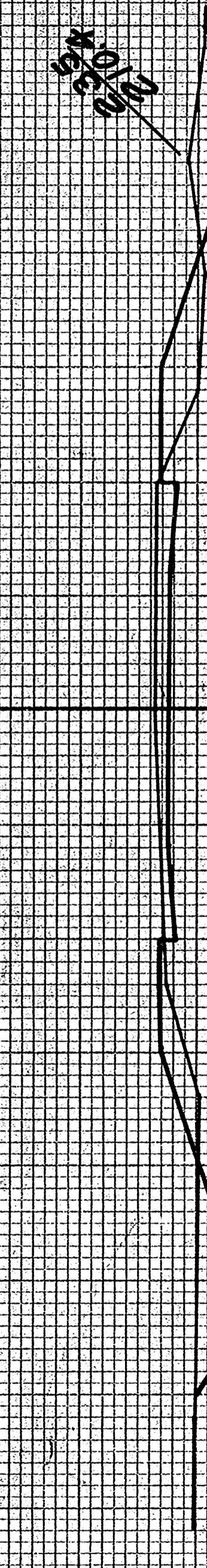
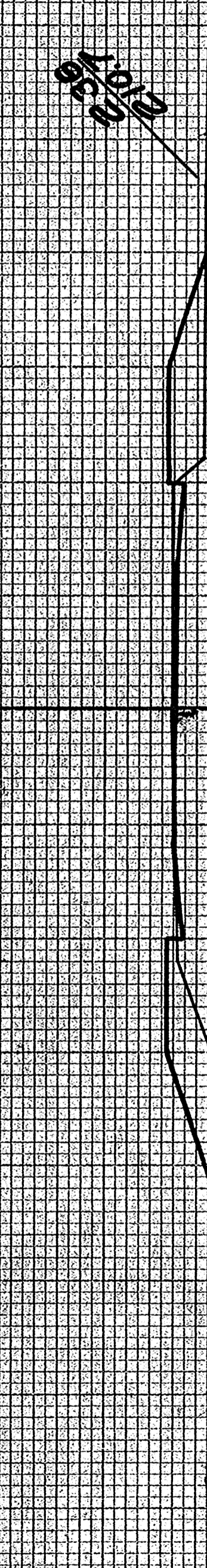
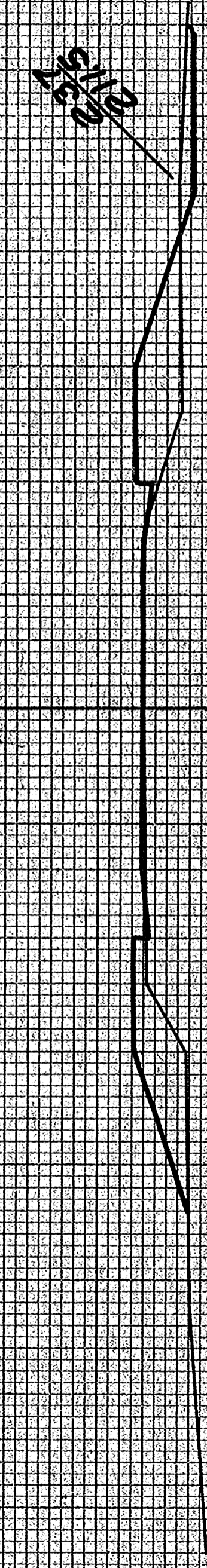
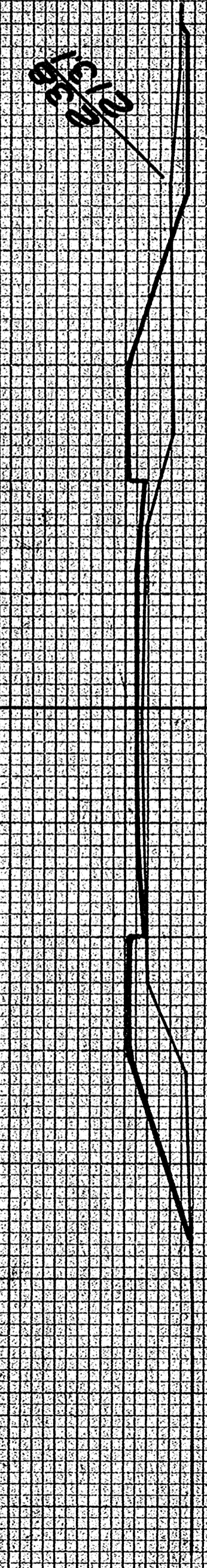
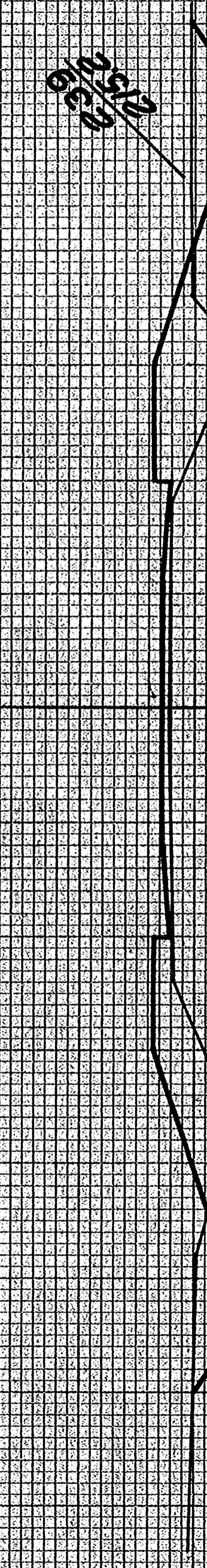
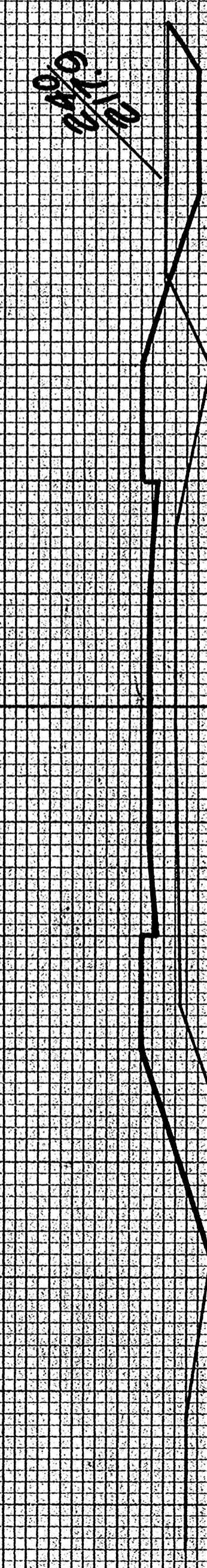
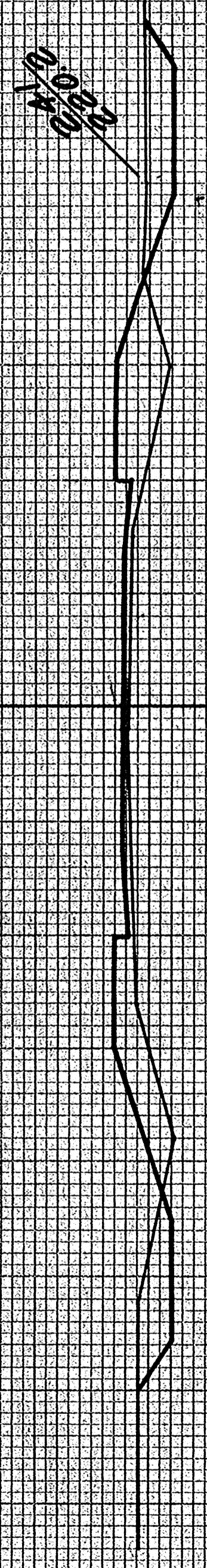


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH	ROCK	FILL		EARTH	ROCK	S. ROCK		
227 35	19								
228 29	20			119					72
229 24	28			98					89
230 14	33			70					113
231 12	35			48					126
232 11	35			43					130
233 32	21			60					104
234 47	19			126					65
TOTAL				604					699



FINAL SURVEY PLOTTED  
 NOTE BOOK NO. 2883  
 AREAS CHECKED

ORIGINAL SURVEY PLOTTED  
 NOTE BOOK NO. 2883  
 AREAS CHECKED

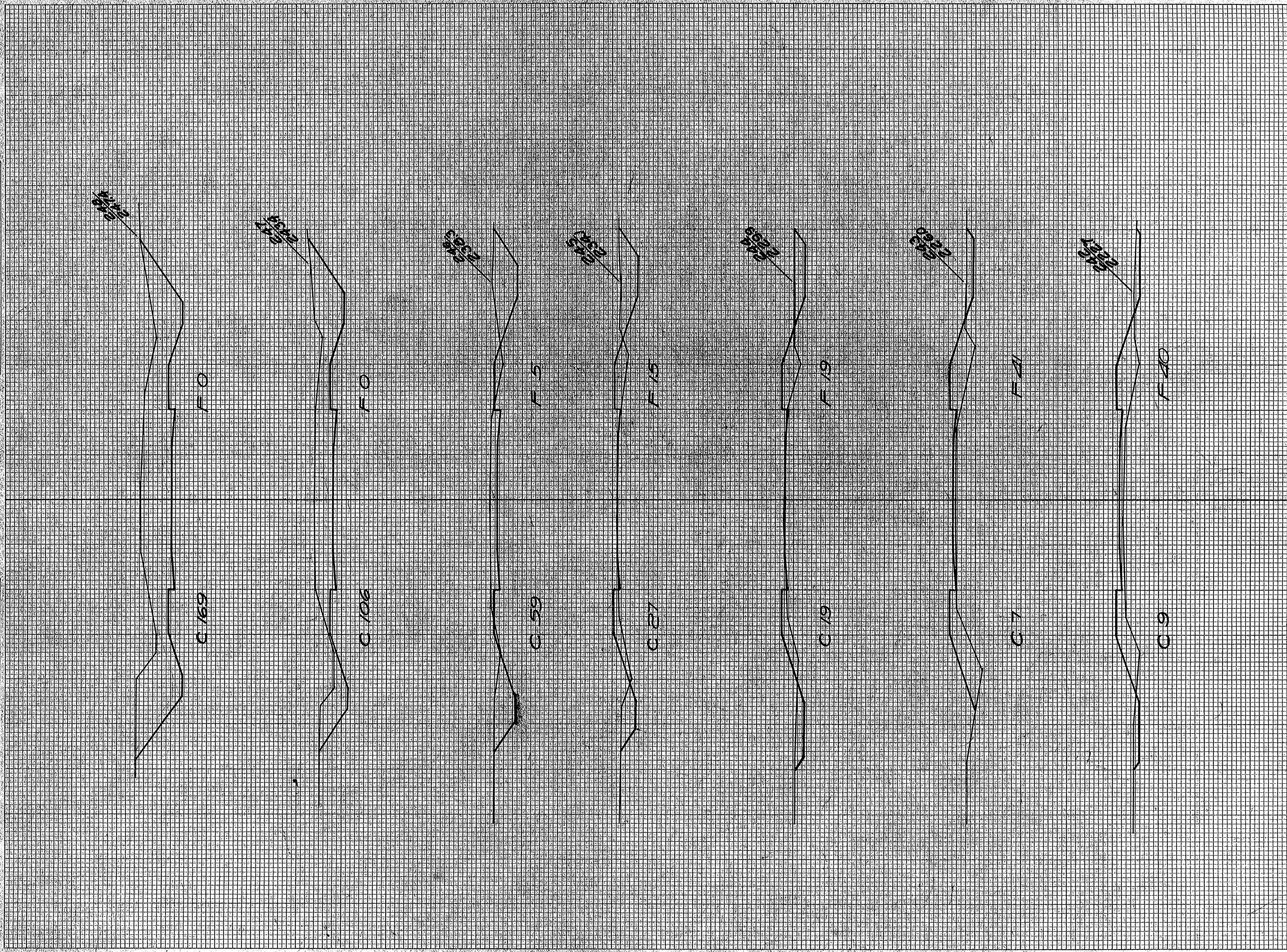


STATION	END AREA			DISTANCE	YARDAGE			TOTAL	TOTAL FILL
	EARTH	ROCK	FILL		EARTH	L. ROCK	S. ROCK		
234.97	18								
235.30	17			143					57
236.19	23			91					74
237.5	30			44					98
238.5	40			19					130
239.14	43			35					154
240.13	68			50					206
241.21	34			63					187
TOTAL				445					908



DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_  
 TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_  
 TITLE: \_\_\_\_\_

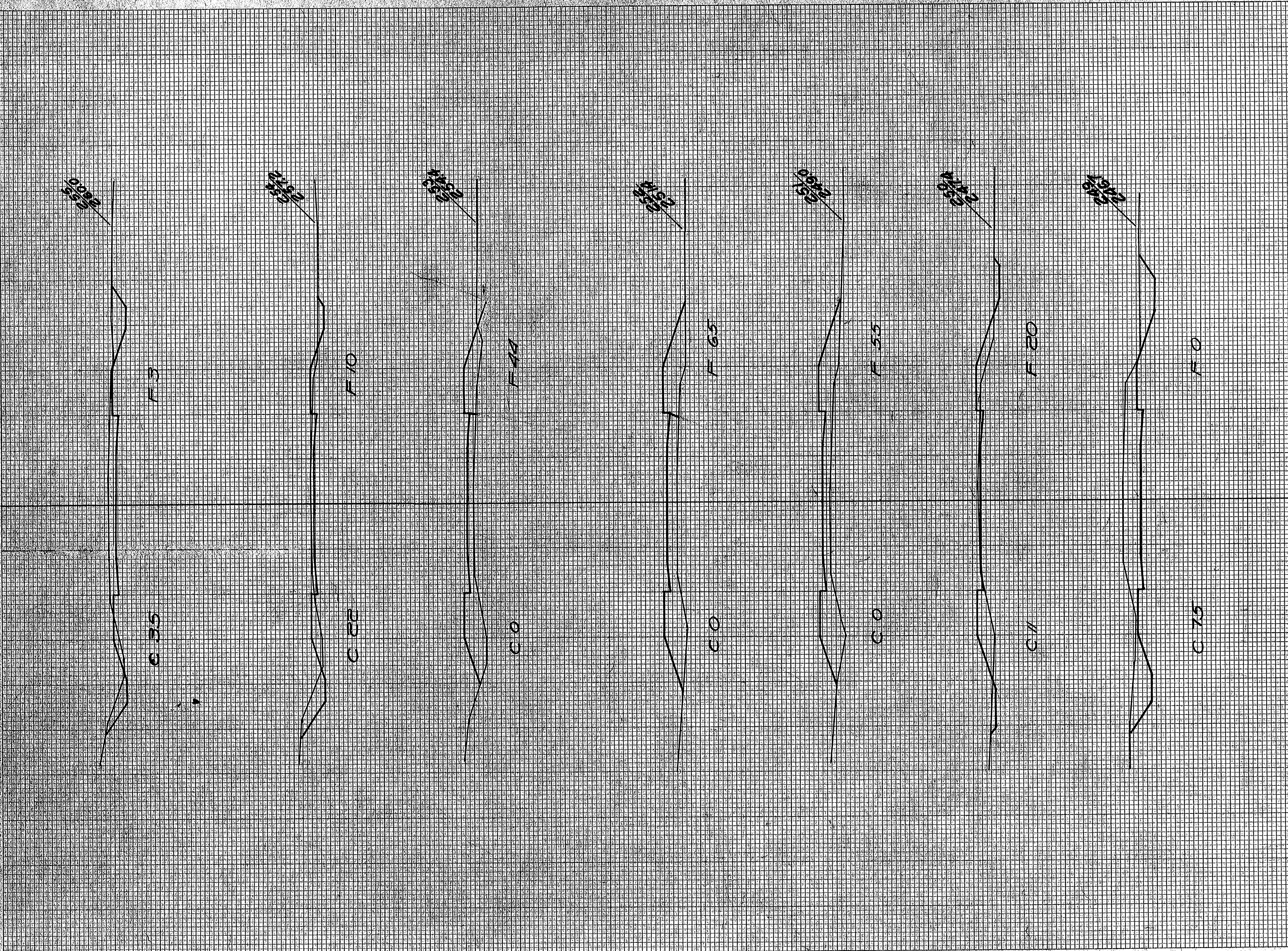


STATION	END AREA		DISTANCE	YARDAGE			TOTAL	TOTAL T/A
	EARTH CUT	ROCK		EARTH CUT	L. ROCK	S. ROCK		
241+21	34							
242+9	40			56			137	
243+7	41			50			150	
244+19	19			48			111	
245+27	15			85			63	
246+59	5			157			37	
247+106	0			306			9	
248+169	0			507			0	
<b>TOTAL</b>				<b>1193</b>			<b>507</b>	



CIVIL SURVEY  
 PLATE NO. 54  
 DATE 1934  
 BY J. S. GREENE

ORIGINAL SURVEY  
 BY J. S. GREENE  
 DATE 1934

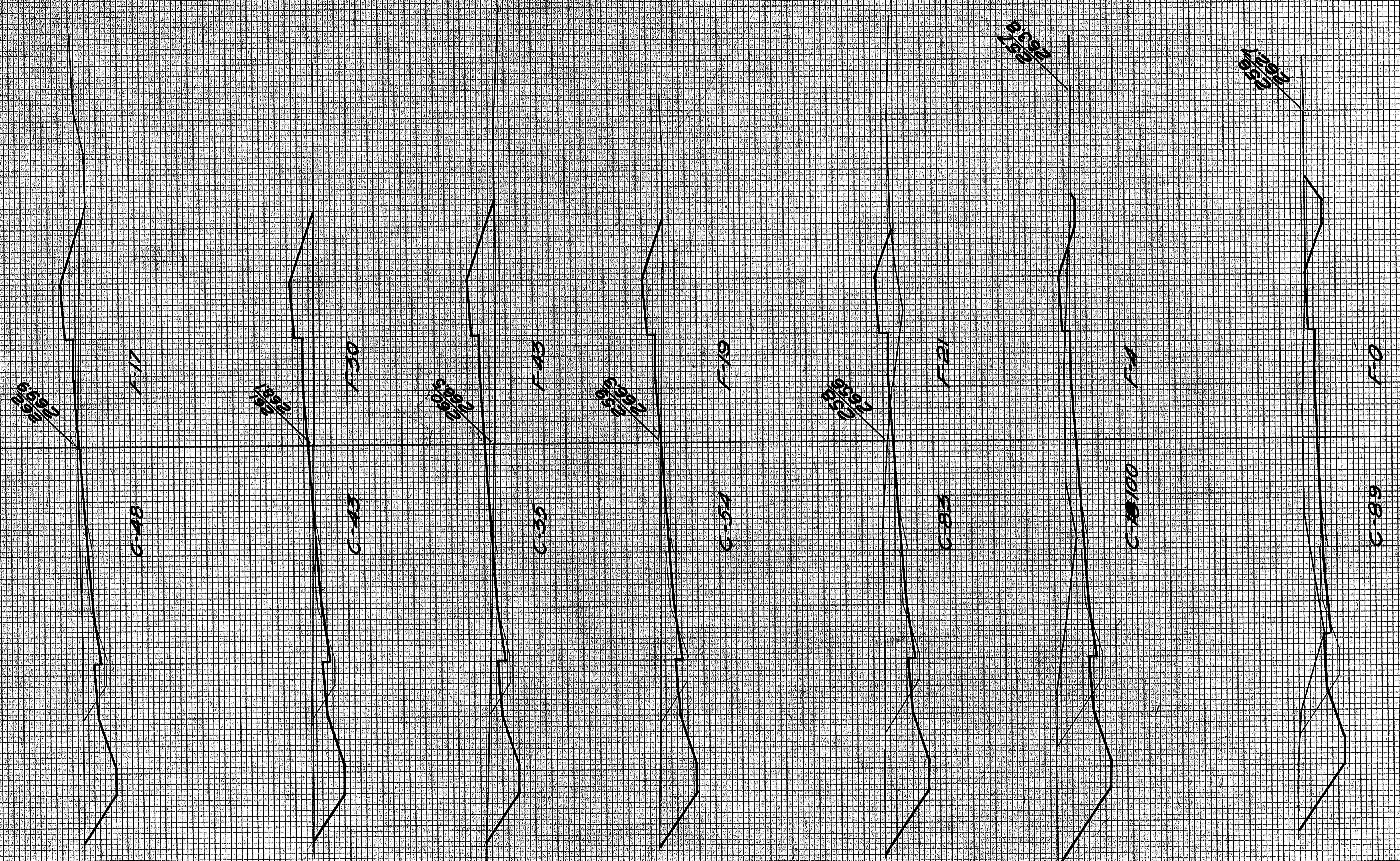


STATION	END AREA			DISTANCE	YARDAGE			TOTAL CUT	TOTAL FILL
	EARTH	ROCK	FILL		EARTH	ROCK	S. ROCK		
248 169	0								
249 75	0			452					0
250 11	20			159					37
251 0	55			20					137
252 0	65			0					222
253 0	49			0					208
254 22	10			41					100
255 35	3			106					82
TOTAL				778					724



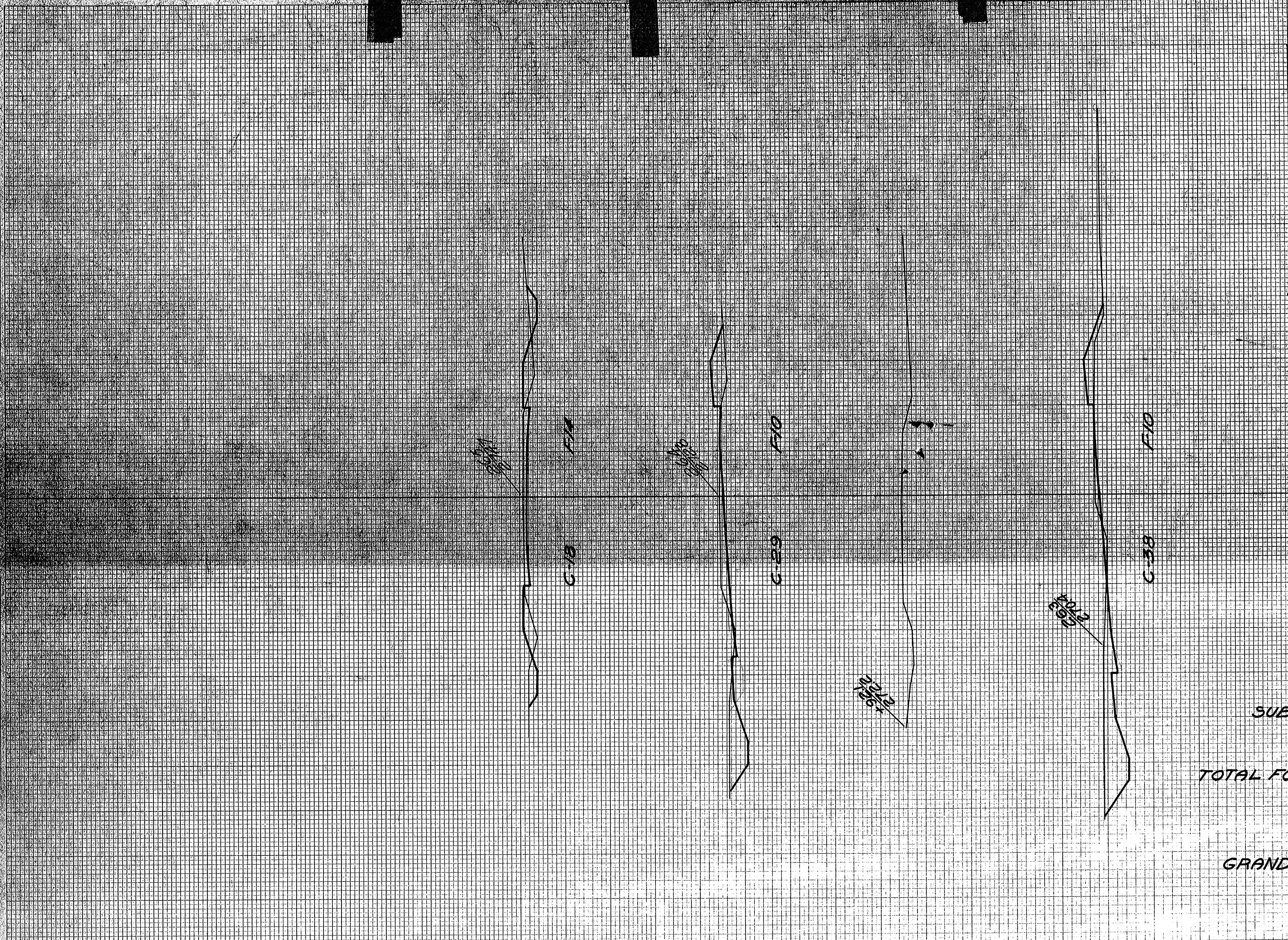
FINAL SURVEY PLOTTED  
 SURVEY PLOTTED  
 NOTE BOOK TEMP. NO.  
 NO. 5885

DATE  
 ORIGINAL SURVEY PLOTTED  
 SURVEY PLOTTED  
 NOTE BOOK TEMP. NO.  
 NO. 5885  
 JUL 1



STATION	END AREA			DISTANCE	YARDAGE			TOTAL CUT	TOTAL FILL
	EARTH CUT	ROCK CUT	FILL		EARTH	ROCK	S. ROCK		
25535	3								
				230					6
25689	0								
				350					7
257100	4								
				339					16
25883	21								
				254					74
25954	19								
				160					115
26035	43								
				114					135
26143	30								
				160					57
26248	17								
TOTAL				1651					470





STATION	END AREA			DISTANCE			YARDAGE		
	FLYING	HOOK	FILL	FLYING	FLYING	FLYING	FLYING	FLYING	FLYING
262 40		17							
263 38		10			159				58
264 29		10			124				57
265 18		24			87				44
1121					7				6
<b>SUB TOTAL</b>							577		137
<b>TOTAL FOR MILE (5)</b>							6395		1878
<b>GRAND TOTAL</b>							36608		25722
TOTAL									