STATE	DIVISION JOB NO.	SHEET NO.	TOTAL SHEETS
WISC.	3319	1	68

INDEX OF SHEETS

SHEET NO. 1 TITLE SHEET
" " 2 TYPICAL CROSS SECTION OF IMPROVEMENT
" " 2A ESTIMATE SHEET
" " 3-6 RIGHT OF WAY SHEETS
" " 7 PLAN AND PROFILE STA. 0+00 TO STA. 32+00
" " 8 " " " " 32+00 " " 62+00
" " 9 " " " " 62+00 " " 92+00
" " 10 " " " " 92+00 " " 122+00
" " 11 " " " " 122+00 " " 152+00
" " 12 " " " " 152+00 " " 182+00
" " 13 " " " " 182+00 " " 212+00
" " 14 " " " " 212+00 " " 242+00
" " 15 " " " " 242+00 " " 272+00
" " 16 " " " " 272+00 " " 302+00
" " 17 " " " " 302+00 " " 332+00
" " 18 " " " " 332+00 " " 362+00
" " 19 " " " " 362+00 " " 385+74
" " 20-23 DRAINAGE STRUCTURES SHEETS
" " 24-68 CROSS SECTION SHEETS

STATE OF WISCONSIN

WISCONSIN HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED

COLOMA - OSHKOSH ROAD

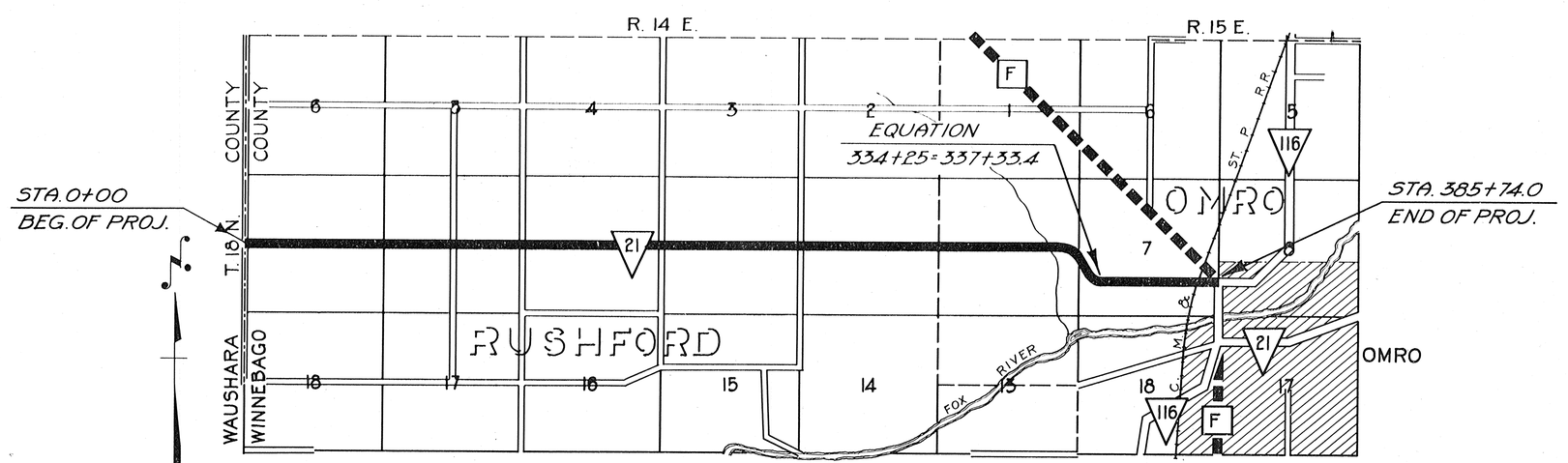
AURORAHVILLE - OMRO ROAD

WINNEBAGO COUNTY

STATE AID PROJECT

BEGINNING AT THE W.1/4 CORNER OF SECTION 7, T.18 N-R.14 E. ON THE WEST LINE OF WINNEBAGO COUNTY. THENCE NORTH A DIST. OF 7.247 MI. TO THE S.1/16 CORNER ON THE EAST LINE OF SECTION 7, T.18 N-R.15 E.

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
COUNTY LINE
CITY, VILLAGE, OR TOWN
TOWNSHIP LINE
SECTION LINE
FENCE LINE
GUARD RAIL
UNFENCED PROPERTY
RIGHT OF WAY LINE
TRAVELED WAY
RAILROADS
RETAINING WALL
LEVEE
BASE OR SURVEY LINE
R.O.W. MARKERS

CULVERTS
DROP INLET
TROLLEY POLE
POWER POLE
TELEPHONE OR TELEGRAPH POLES
MAIL BOX
REFERENCE STAKES
MARSH
HEDGE
TREES
GROUND ELEVATION
GRADE ELEVATION

LAYOUT

SCALE 2 IN. = 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 7.247 MI.

WISCONSIN HIGHWAY COMMISSION
MADISON, WIS.

Surveyor P.W. BISHOP Note Book 5484-5487
Div. Computer P.W. BISHOP M. O. Checker
Div. Checker C. KETTERING Correct

CORRECT: D.H. Gulbertson
DIVISION ENGINEER

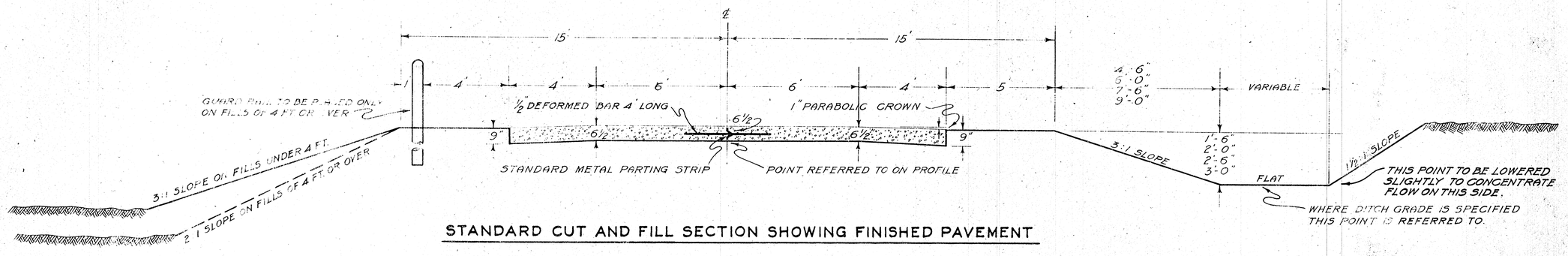
RECOMMENDED FOR APPROVAL: Frank Crane
ENGINEER - PLANS AND SURVEYS.

APPROVED: DATE 4/21 1930
W.T. Bretaus
STATE HIGHWAY ENGINEER

DRAWN BY H.C. ALTHAUS

STATE	SHEET NO.	TOTAL SHEETS
3319	2	68
PROJECT NO.	3319	

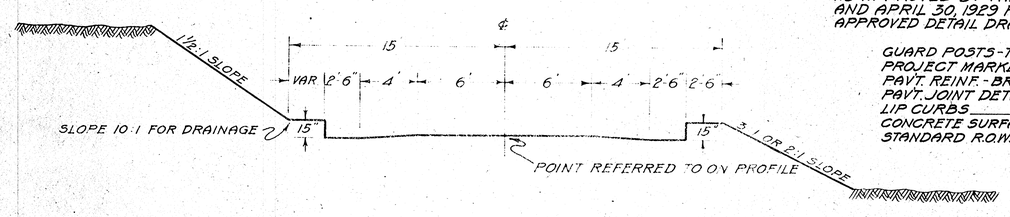
STANDARD TYPICAL CROSS-SECTIONS



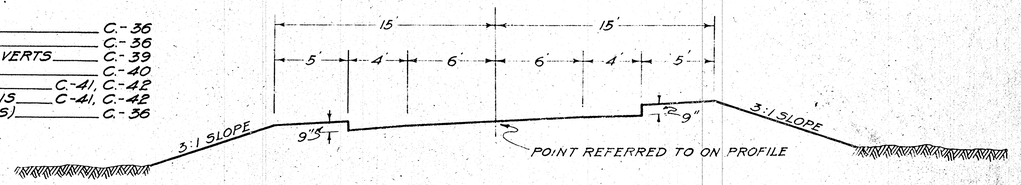
STANDARD CUT AND FILL SECTION SHOWING FINISHED PAVEMENT

STANDARD STRUCTURAL PLANS AND STANDARD REVISED DETAILS AS APPROVED BY THE U.S. BUREAU OF PUBLIC ROADS ON MAY 13, 1928 AND APRIL 30, 1929 RESPECTIVELY, WILL BE USED ON THIS PROJECT. APPROVED DETAIL DRAWINGS ARE AS FOLLOWS:

GUARD POSTS-TYPE "C"	C.-36
PROJECT MARKERS	C.-36
PAVT. REINF.-BRIDGE APPROACHES + CULVERTS	C.-39
PAVT. JOINT DETAILS	C.-40
LIP CURBS	C.-41, C.-42
CONCRETE SURFACE DRAIN BASINS + DRAINS	C.-41, C.-42
STANDARD R.O.W. MARKERS-(TYPE "C" POSTS)	C.-36

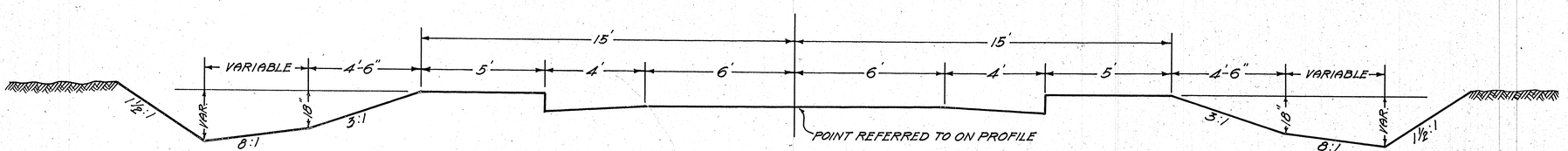


STANDARD 6" COMB. CURB AND GUTTER SECTION



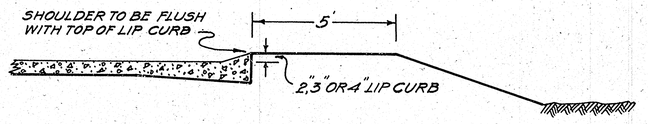
STANDARD SUPERELEVATED SECTION

SPECIAL TYPICAL CROSS-SECTIONS



SPECIAL DITCH SECTION

0+00 - 11+00	128+00 - 142+00
192+00 - 199+00	224+00 - 227+00
244+00 - 252+00	377+00 - 382+00



LIP CURB AND SHOULDER DETAIL

TYPICAL CROSS SECTION
FOR
20 FT. CONC. PAV'T. - 30 FT. RDWY.
ONE COURSE - PORTLAND CEMENT

WISCONSIN HIGHWAY COMMISSION

FED. ROAD DIST. NO.	STATE	AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.		2-A	68

DIVISION JOB NO. 3319

ESTIMATE OF QUANTITIES

THIS PROJECT IS TO BE EXECUTED UNDER WISCONSIN STANDARD SPECIFICATIONS AS APPROVED BY U.S. BUREAU OF ROADS ON

MILE NO.	STATION TO STATION	NET LENGTH OF CENTERLINE	EXCAVATION: CLEARING	GRUBBING	EARTH	LOOSE ROCK	SOLID ROCK	BORROW	FINISHING SHOULDERS	CHANNEL EXCAVATION	SURFACE STONE	INTERCEPTING DITCHES	SPECIAL DITCHES	SEEDING SLOPES
			1	2	3	4	5	6	7	8	9	10	11	12
			ACRES	ACRES	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	SQ. YDS.	CU. YDS.	CU. YDS.	LIN. FT.	CU. YDS.	SQ. YDS.
1	0+00 - 53+00	5300.0			1675			9031						
2	53+00 - 106+00	5300.0			6626	UNDISTRIBUTED	UNDISTRIBUTED				UNDISTRIBUTED			
3	106+00 - 159+00	5300.0			5707									
4	159+00 - 212+00	5300.0			6003									
5	212+00 - 265+00	5300.0			6104									
6	265+00 - 318+00	5300.0			4656									
7	318+00 - 371+00	4991.6			8148									
8	371+00 - 385+74	1474.0			750			6896						
TOTAL		38265.6			39669	50	10	15927			25			

MILE NO.	SURFACING: BROKEN STONE BASE COURSE IN PLACE	BR. STONE BASE COURSE EXCEPT HAULING	20 FEET ONE COURSE PORTLAND CEMENT CONC. PAVT.	TRANSVERSE EXPANSION JOINTS ½ IN.	TRANSVERSE EXPANSION JOINTS 1 IN.	LIP CURB TYPE A	LIP CURB TYPE B	LIP CURB TYPE C	CONC. SURF. DRAINS	CONC. HEADERS	PORTL. CEMENT IN PAVT. FURNISHED	BAR REIN'F STEEL IN PAVT.	STEEL FABRIC REINF.	26	27	28	CRUSHED SURFACE COURSE IN PLACE EXCEPT HAUL	FINE CRUSHED SURFACE COURSE IN PLACE: GRAVEL	FINE CRUSHED SURFACE COURSE IN PLACE: STONE	TOP SOIL OR CLAY SURFACE COURSE: COMPLETE IN PLACE	TOP SOIL OR CLAY SURFACE COURSE: EXCEPT HAULING	SHALE SURFACE COURSE: COMPLETE IN PLACE	SHALE SURFACE COURSE: EXCEPT HAULING	PEA GRAVEL SURFACE COURSE: COMPLETE IN PLACE	PEA GRAVEL SURFACE COURSE: EXCEPT HAULING	HAUL	37	BITUMINOUS MACAD. SURF. COURSE	BITUMEN FOR BIT. MACAD. SURF. COURSE	BITUMINOUS RETREAD SURF. COURSE	BITUMEN FOR BIT. RETREAD SURF. COURSE	EXCAVATION STRUCTURES: 6 FT. TO 20 FT. DRY EXCAV.	6 FT. TO 20 FT. WET EXCAV.	OVER 20 FT. DRY EXCAV.	OVER 20 FT. WET EXCAV.	45
	13	14	15	16	17	18	19	20	21	22	23	24	25				29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	
	CU. YDS.	CU. YDS.	SQ. YDS.	NO.	NO.	LIN. FT.	LIN. FT.	LIN. FT.	CU. YDS.	LIN. FT.	BBLS.	LBS.	SQ. YDS.				CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	C.Y. MI.	C.Y. MI.	CU. YDS.	GAL.	CU. YDS.	GAL.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	
1			11777.8	113						20	3440	510																							
2			11777.8	113		1100			4		3445	860																							
3			11777.8	113		400	3400		8		3451	1465																							
4			11777.8	113		2000	2800		16		3463	1910																							
5			11777.8	113		2000	1600		12		3457	1305																							
6			11777.8	113				1100	2		3442	1195																							
7			11092.4	107				1479	4		3245	1115																							
8			3503.5	32							1022	527																							
TOTAL			85262.7	817		5500	7800	2579	46	20	24965	8887																							

MILE NO.	DRAINAGE STRUCTURES: OVER 20 FT. SPAN: CLASS B P. CEM. CONC.	PORTL. CEMENT	REINF. STEEL	6 FT. TO 20 FT. INCLUSIVE: CLASS B P. CEM. CONC.	PORTL. CEMENT	REINF. STEEL	CULVERTS 6 FT. SPAN & UNDER: CLASS B P. CEM. CONC.	PORTL. CEMENT	REINF. STEEL	FLOOR DRAINS	STRUC. STEEL ERECTED	CAST STEEL IN PLACE	TREATED WOOD BLK WEARING SURFACE	BITUM. CARPET WEARING SURFACE	UNTREATED TIMBER: PILING DELIV.	PILING DRIVEN	TREATED TIMBER: PILING DELIV.	PILING DRIVEN	LUMBER & TIMBER: UNTREATED	TREATED	CONC. BALUSTERS	WATER PROOFING
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
	CU. YDS.	BBLS.	LBS.	CU. YDS.	BBLS.	LBS.	CU. YDS.	BBLS.	LBS.	NO.	LBS.	LBS.	SQ. YDS.	SQ. YDS.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	M.F.B.M.	M.F.B.M.	NO.	SQ. FT.
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
TOTAL																						

MILE NO.	DRAINAGE STRUCTURES: CAST IRON PIPE: CORR. GALV. SHEET METAL PIPE: 18 IN.	24 IN.	30 IN.	36 IN.	48 IN.	60 IN.	REINFORCED CONCRETE PIPE: IN.	IN.	IN.	IN.	IN.	IN.	VITRIFIED CLAY PIPE: IN.	IN.	TILE DRAINS: IN.	IN.	GUARD FENCE: WIRE ROPE TYPE-B	WIRE ROPE TYPE-E	GUARD POSTS TYPE-C	ANCHORAGES FOR WIRE ROPE
	76	75	76	75	76	77	78	79	80	81	82	83	84	85						
	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	NO.	NO.
1	100					108													125	
2	120	182																	2	
3	120	138			48														3	
4	60	160		48															2	
5	80	94																	1	
6	56	140				250													2	
7	140	96	100																11	
8	70			62															76	
TOTAL	746	810	100	110	48	358													222	

MILE NO.	CONC. GUTTERS	CONC. CURBS	COMBINATION CURB & GUTTER	SPEC'L CONC. CURB & GUTTER	CONC. FLUME	PORT. CEMENT IN CONC. GUTTERS, CURBS, COMB. CURB & GUTTER-FLUME	CATCH BASINS TYPE-	MAN-HOLES	INLET TYPE	RIP RAP	RUBBLE MASONRY IN PLACE	PLAIN RUBBLE PAVING IN PLACE	GROUTED RUBBLE PAVING INCLUDING CEMENT IN PLACE	PORTLAND CEMENT IN PLACE HANDLING ONLY	MISCELLANEOUS ITEMS: ARMOR PROTECT 5"-6.5# CHANNEL	R.O.W. MARKER POSTS	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119
	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101																		
	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	BBLS.	NO.	NO.	NO.	CU. YDS	CU. YDS.	SQ. YDS.	SQ. YDS.	BBLS.	LIN. FT.	NO.																			
1														3440		16																		
2														3445		12																		
3														3451		10																		
4														3463		10																		
5														3457		12																		
6														3442		12																		
7														3245		16																		
8														1022	40	4																		
TOTAL														24965	40	92																		

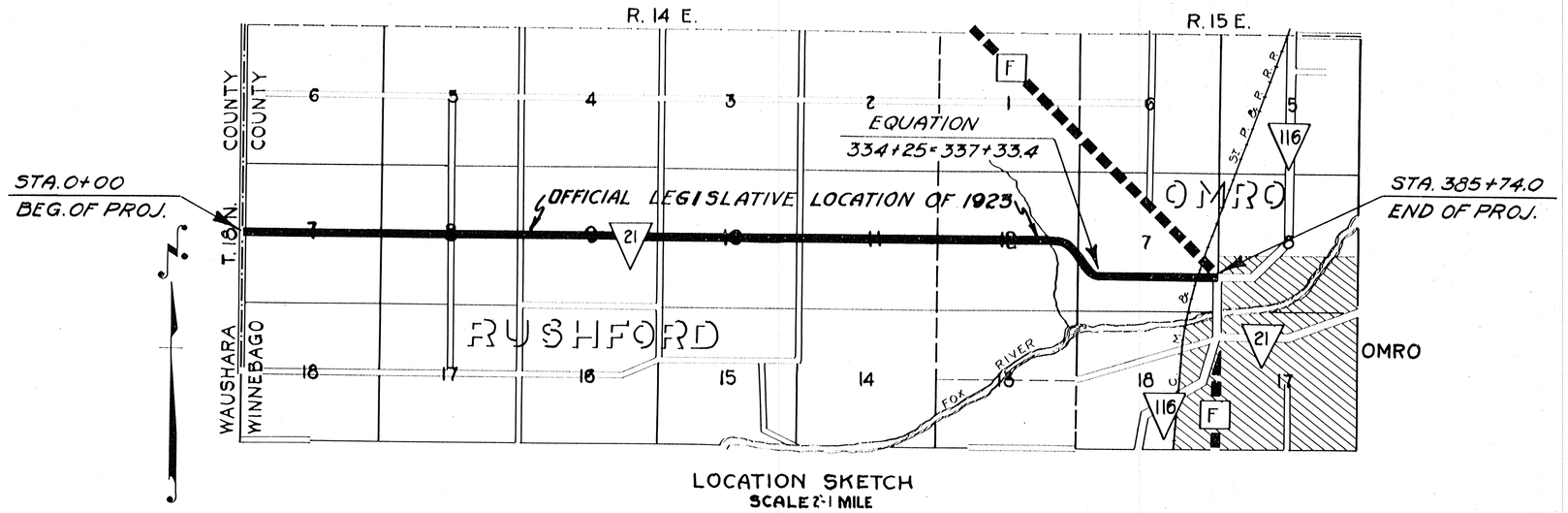
SHRINKAGE ALLOWANCE 25%

ESTIMATE OF QUANTITIES
FOR
ONE COURSE PORTLAND
CEMENT CONCRETE PAVEMENT
20 FT.
COLOMA-OSHKOSH ROAD

WISCONSIN HIGHWAY COMMISSION
MADISON, WIS.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	3	

DIVISION JOB NO. 3319



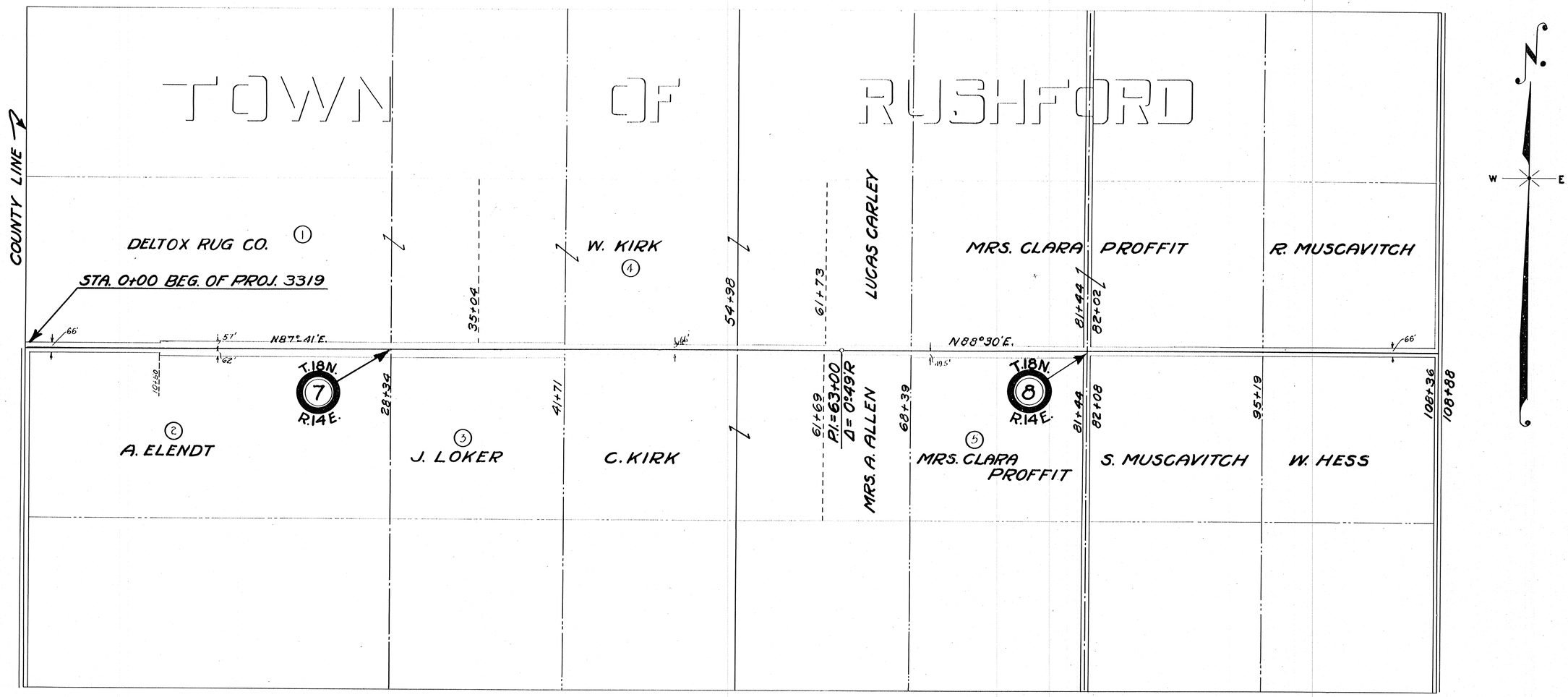
LOCATION SKETCH
SCALE 2"-1 MILE

NO.	OWNER	ADDRESS	AC'S	DESCRIPTION	MORTGAGES	ADDRESS	R./W.	FENC.	DAM.	TOT.	PAID	REMARKS
1	DELTOX GRASS RUG CO.		1.35	S½ - N½ - SEC. 7 - T. 18N. R. 14E.								
2	A. ELENDT		1.23	N½ - SW¼ - " " "								
3	J. LOKER		0.89	NW¼ - SE¼ " " "								
4	W. KIRK		0.33	SW¼ - NE¼ " " "								
5	MRS. C. PROFFIT		0.493	NE¼ - SW¼ - SEC. 8 " "								
6	L. HOGAR		3.395	E¼ - SE¼ - SEC. 12 " "								
7	W. BROOKS		0.436	SW¼ - SW¼ - SEC. 7 T. 18N. R. 15E.								

PLAT OF RIGHT OF WAY REQUIRED
STATE AID PROJECT NO. 3319
COLOMA - OSHKOSH ROAD
S.T.H. 21
WINNEBAGO COUNTY
SCALE 0 500' 1000'

FED ROAD DIST. No.	STATE	STATE AID PROJ. No.	SHEET No.	TOTAL SHEETS
4	WIS.	3319	4	

DIVISION JOB NO. 3319



PLAT OF RIGHT OF WAY REQUIRED

STATE AID PROJECT NO. 3319

COLOMA-OSHKOSH ROAD
S.T.H. 21

WINNEBAGO COUNTY

SCALE 0 500' 1000'

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	5	

DIVISION JOB NO. 3319

W. E.

TOWN OF RUSHFORD

D. DAGGETT | J. McGIVERN | C. BROOKS | OTTO ALBRIGHT | FRED BALDRY | WILL HAEDT | A. BRADLEY | E. HAEDT | H. COATS

108+37 P.O.T.=109+00 66' N.88°12'E. 121+86 P.I.=133+00 Δ=0°-05'R. 135+07 N.88°-17'E. 148+37 161+72 N.88°40'E. 171+63 179+90 188+16 P.I.=192+00 Δ=0°-10'L. N.88°30'E 214+64 P.I.=215+00 Δ=0°22'R. N.88°52'E. 66' 241+05

P.I.=113+00 Δ=0°19'L.

T.18N. 9 R.14E.

P.I.=162+00 Δ=0°23'R

T.18N. 10 R.14E.

174+32 188+19 201+38

P.O.T.=229+00 234+44

T.18N. 11 R.14E.

G. DAGGETT | BART HESS | ED. PELTZ | MRS. R. ROYCRAFT | JOHN ROYCRAFT | G. BRADLEY | ADOLPH ZILKE | BERT HESS | H. STERTZ | R. KING

PLAT OF RIGHT OF WAY REQUIRED

STATE AID PROJECT NO. 3319

COLOMA - OSHKOSH ROAD

S.T.H. 21

WINNEBAGO COUNTY

SCALE 0 500' 1000'

FED. ROAD DIST. No.	STATE	STATE AID PROJ. No.	SHEET No.	TOTAL SHEETS
4	WIS.	3319	6	

DIVISION JOB NO. 3319

TOWN

TOWN OF OMRO

R. KING

E. WALTERS

OF

H. FISHER

H. COATS

E.A. CROISANT

W. SZEP

FRANZ ESTATE

P.I.=273+00
Δ=0°07'L

P.I.=314+47.6
I.=73°10
D=7°0'
T.=607.8
L.=1045.2

241+05 | 247+63 | 260+97 | 267+40 | 267+81 | 280+65 | 293+70 | 304+54

66'

N.88°-52'E.

N.88°45'E.

T.18N. 11 R.14E.

T.18N. 12 R.14E.

T.18N. 7 R.15E.

R. KING

MRS. WILSON

267+57

F.S. COLE

W.&B. SZEP

L. HOGAR

6

WARREN BROOKS

7

C. REDLIN

C. L. KING

FRANZ ESTATE

P.C.=308+39.8

P.T.=318+85.0

S.18°05'E.

P.C.=324+50.5

P.I.=330+05.2
I.=68°-13'
D.=7°-0'
T.=554.7
L.=974.5

P.T.=334+25.2
=337+33.4

328+51 | 329+23 | 339+29 | 346+00 | 359+40 | 372+40 | 385+74

S.86°18'E.

STA 385+74
END OF PROJ.

66'

391'

1959'

RUSHFORD

PLAT OF RIGHT OF WAY REQUIRED

STATE AID PROJECT NO. 3319

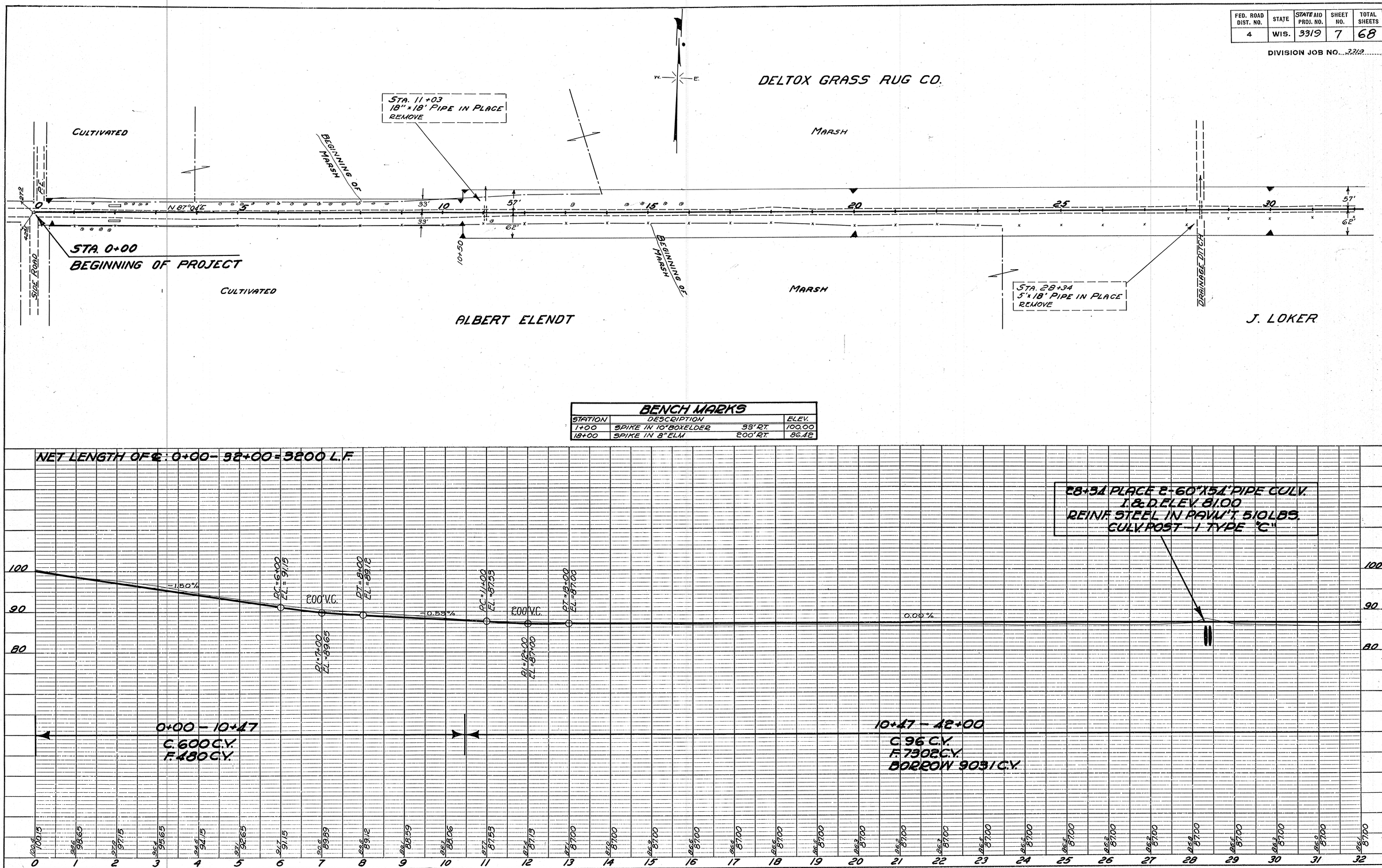
COLOMA – OSHKOSH ROAD
S.T.H. 21

WINNEBAGO COUNTY

SCALE: 0 500' 1000'

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	7	68

DIVISION JOB NO. 3319



BENCH MARKS			
STATION	DESCRIPTION		ELEV.
1+00	SPIKE IN 10" BOXELDER	33' RT.	100.00
18+00	SPIKE IN 8" ELM	200' RT.	86.42

PLAN — NOTE BOOK NO. 5484 — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — BY P. Bishop — DATE

PROFILE — NOTE BOOK NO. 5484 — SURVEYED — PLOTTED — GRADES CHECKED — B. M.'S NOTED — STRUCTURE NOTATIONS CH'KD. — BY P. Bishop, W. Kettering, P. Bishop — DATE

PLATE 1 - PLAN-PROFILE O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	8	68

DIVISION JOB NO. 3319

PLAN	DATE
SURVEYED	
PLOTTED BY	P. Bishop
NOTE BOOK CHECKED BY	"
NO.	
SCALE	
PLAT CHECKED BY	
NO. OF MAPS CHECKED	

PROFILE	DATE
SURVEYED BY	P. Bishop
PLOTTED BY	"
NOTE BOOK CHECKED BY	W. Kettering
NO. 5382	P. Bishop
SCALE	
PLAT CHECKED BY	
NO. OF MAPS CHECKED	

W. KIRK

MARSH

END OF MARSH

CULTIVATED

CULTIVATED

CULTIVATED

CULTIVATED

CULTIVATED

CULTIVATED

MARSH

END OF MARSH

MARSH

J. LOKER

C. KIRK

30 — 57' — N.87°-41'E. — 62'

35 — 57' — 62'

40 — 33' — 33'

45

50

55

60 — 33' — 33'

H.O. 12" 12"

H.O. 12"

LOCATION OF PRIV. ENTR. PIPES TO BE DETERMINED BY ENGINEER IN FIELD.

BENCH MARKS

STATION	DESCRIPTION	ELEV.
39+50	24" ELM 38' LT.	86.86

MISC. QUANTITIES FOR MILE 1

ITEM	TYPE	LOCAT.	STA TO STA.	UNIT	AMT.	TOTAL
ROW MARKERS		TOTAL	FOR MILE	POSTS	16	16
PRIVENT. PIPES	18"	L & R	2+00	LIN.FT.	40	
" " "	18	R.	34+00	"	20	
	18	L.	48+50	"	20	
	18	R.	50+00	"	20	100
CONC. HEADER	STD.		0+00	"	20	20
GUARD FENCE	"C" (36" ctr.)	L & R	18+50	41+00 POSTS	124	124

NET LENGTH OF ℄ 32+00 - 62+00 = 3000 LIN.FT.
" " " " 32+00 - 53+00 = 2100 " "
" " " " 53+00 - 62+00 = 900 " "

90

80

0.00%

PC = 42+00 EL. = 87.00

200' V.C.

PI = 43+00 EL. = 87.00

PT = 44+00 EL. = 88.00

+1.00%

PC = 46+50 EL. = 90.50

PI = 48+50 EL. = 92.50

400' V.C.

PT = 50+00 EL. = 91.62

-0.44%

PC = 56+75 EL. = 89.87

200' V.C.

PI = 57+75 EL. = 88.43

PT = 58+75 EL. = 88.44

+0.01%

90

80

42+00 - 48+11
C. 422 C.Y.
F. 937 C.Y.

48+00 - 59+29
C. 1035 C.Y. F. 890 C.Y.

48+11 - 53+00
C. 557 C.Y.
F. 251 C.Y.

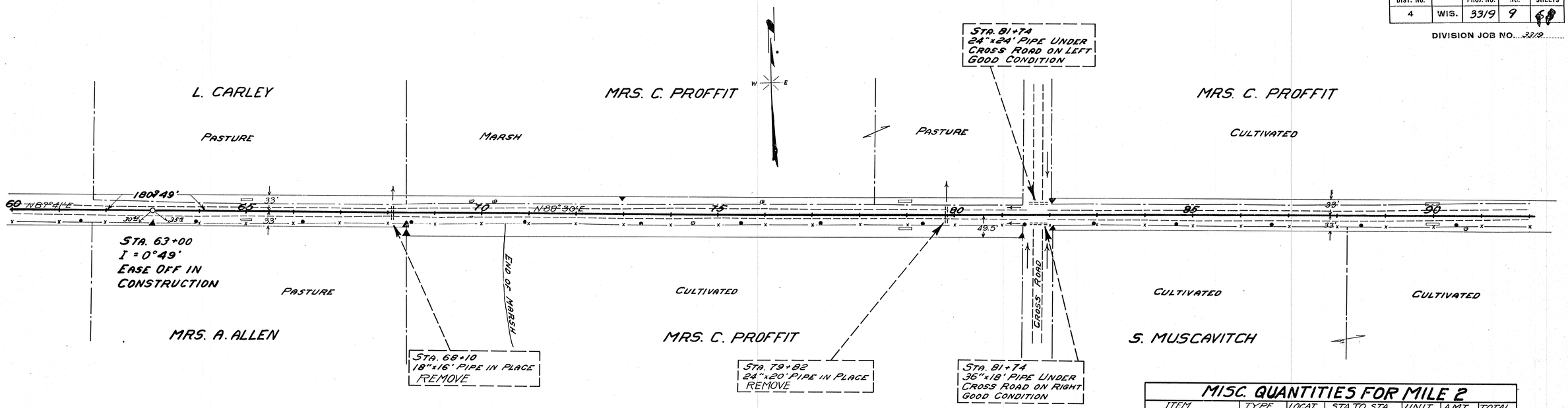
53+00 - 60+00
C. 478 C.Y.
F. 599 C.Y.

86.3 87.00	86.9 87.00	86.1 87.00	86.0 87.00	86.4 87.00	86.7 87.00	86.3 87.00	86.5 87.00	86.5 87.00	86.6 87.00	86.8 87.00	87.2 87.00	87.8 87.00	87.5 87.25	87.8 88.00	88.6 89.00	90.2 90.00	91.0 90.95	92.4 91.59	92.1 91.87	92.1 91.79	91.4 91.40	92.7 90.96	90.5 90.52	90.2 90.08	89.9 89.64	88.7 89.20	88.5 88.77	88.1 88.49	87.7 88.44	87.8 88.45	87.8 88.46	87.8 88.47
30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62

PLATE 1 - PLAN-PROFILE O.F.R.A.R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	9	68

DIVISION JOB NO. 3319



LOCATION OF PRIV. ENTR. PIPES TO BE DETERMINED BY ENGINEER IN FIELD

BENCH MARKS

STA	DESCRIPTION	ELEV.
61+75	18" ASH 250 FT. LT.	87.92
82+00	12" OAK 100 FT. LT.	92.67

MISC. QUANTITIES FOR MILE 2

ITEM	TYPE	LOCAT.	STA TO STA		UNIT	AMT.	TOTAL
LIP CURB	"A"	R&L	100+50	106+00	LIN.FT.	1100	1100
LIPCURB OUTLETS	STD	R&L	100+50		C.Y.	4	4
STEEL IN "	STD	TOTAL	FOR MILE		LBS.	350	350
R.O.W. MARKERS		"	"	"	POSTS	12	12
PRIV. ENT. PIPES	18"	R&L	65+00		LIN.FT.	40	
" " "	18"	R&L	79+00		" "	40	
" " "	18"	R&L	105+00		" "	40	120
" " "	24"	R&L	90+00		" "	44	44

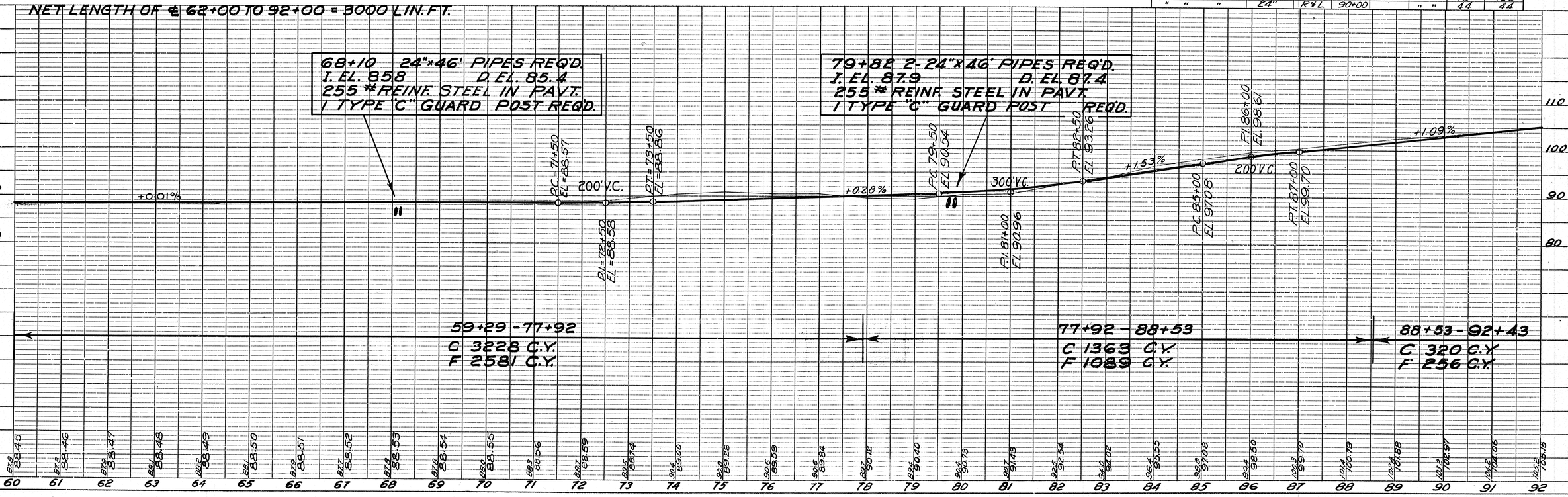
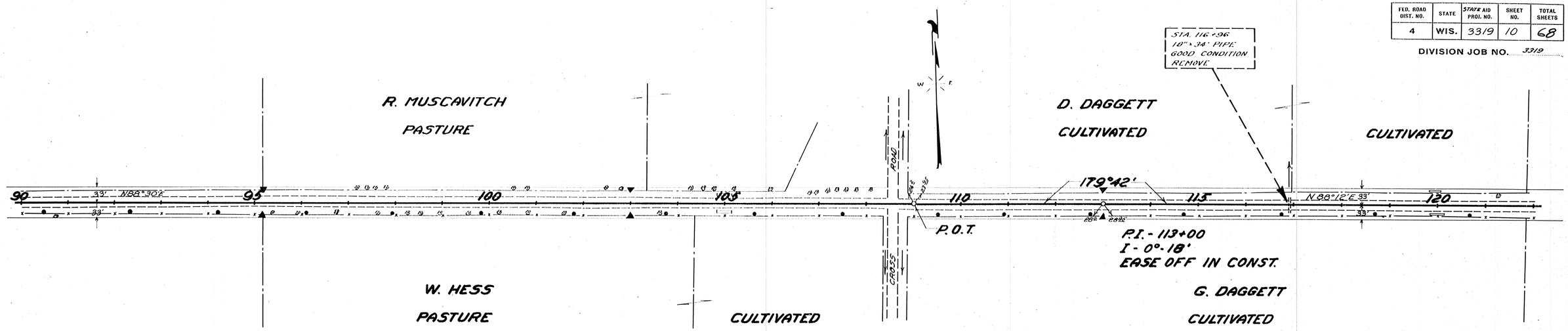


PLATE 1 - PLAN-PROFILE O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	10	68

DIVISION JOB NO. 3319



BENCH MARKS		
STA.	DESCRIPTION	ELEV
109+00	15" ELM 50' RIGHT	142.74

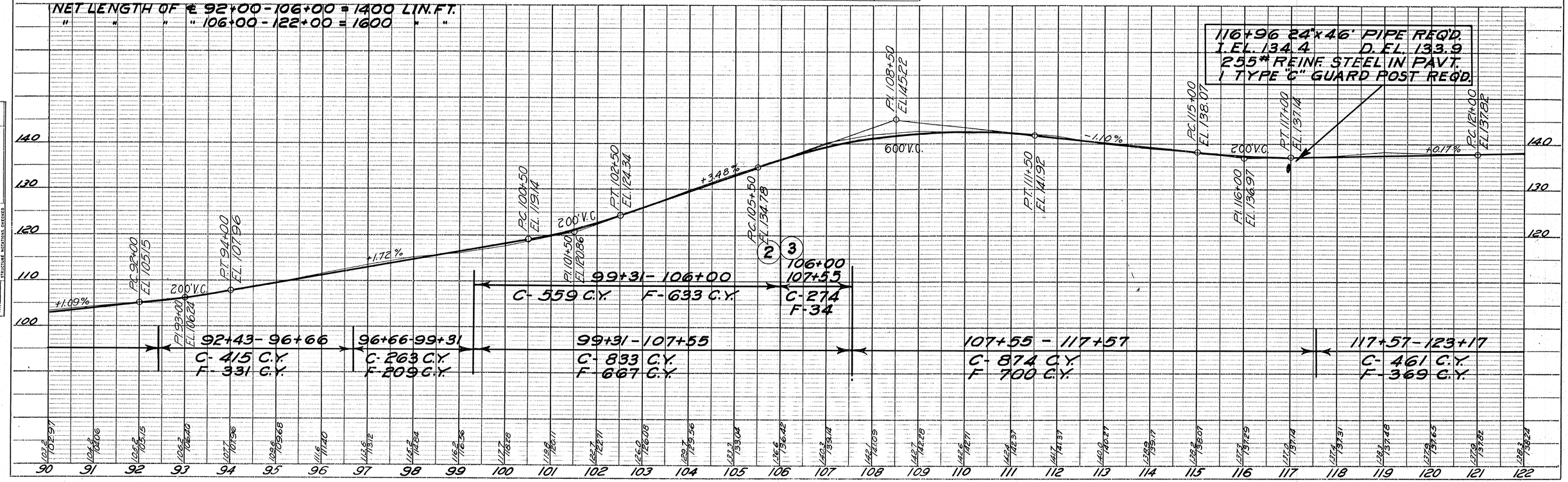


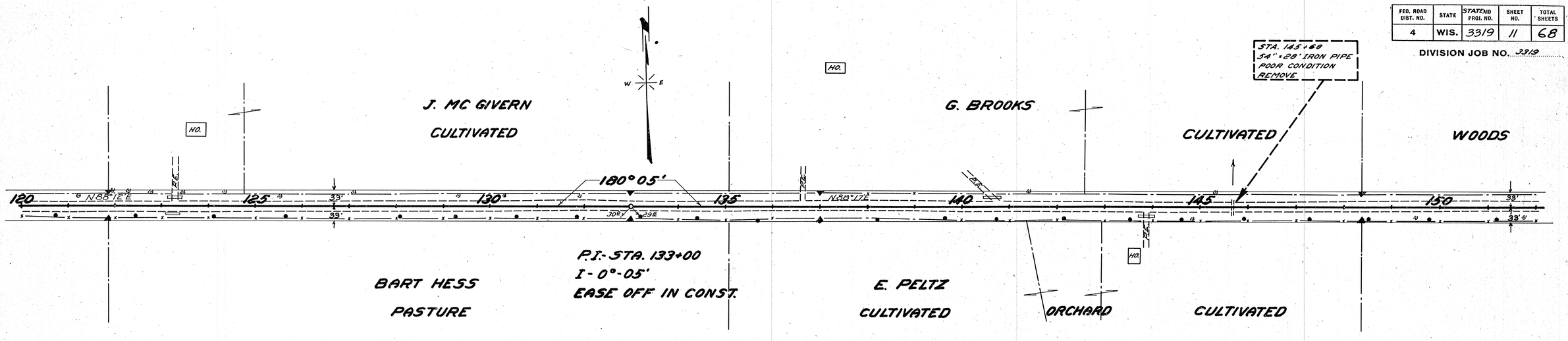
PLATE 1 - PLAN PROFILE O.P.R.&R.E. STANDARD
THE FREDERICK POST CO. CHICAGO

PLAN
NOTE BOOK No. 5484
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY P. Bishop
DATE

PROFILE
NOTE BOOK No. 5484
SURVEYED
PLOTTED
GRADES CHECKED
G. M.'s NOTED
STRUCTURE NOTATIONS CHECKED
BY P. Bishop
" " W. Kettering
" " P. Bishop
DATE

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	11	68

DIVISION JOB NO. 3319



LOCATION OF PRIV. ENT. PIPES TO BE DETERMINED BY ENGINEER IN FIELD

MISC. QUANTITIES FOR MILE 3							
ITEM	TYPE	LOCAT.	STA. TO STA.		UNIT	AMT.	TOTAL
LIP CURB	A	R&L.	106+00	108+00	LIN. FT.	400	400
" "	B	R&L.	123+50	133+00	" "	1900	
" "	B	R&L.	137+00	144+50	" "	1500	3400
LIP CURB OUTLETS	STD	R&L	123+50		C.Y.	4	
" " "	STD	"	144+50		"	4	8
STEEL IN OUTLETS	STD.	TOTAL FOR MILE			LBS	700	700
R.O.W. MARKERS		TOTAL FOR MILE			POSTS	10	10
PRIV. ENT. PIPES	18"	L.&R.	123+25		LIN. FT.	40	
" " "	18"	R.	143+90		"	20	
" " "	18"	L.	140+75		"	20	
" " "	18"	R.	152+50		"	20	
" " "	18"	L.	155+10		"	20	120
" " "	24"	L.&R.	120+00		"	44	44

BENCH MARKS		
STA.	DESCRIPTION	ELEV.
134+60	24" ELM 30' LT.	164.98
148+25	24" ELM 30' LT.	147.39

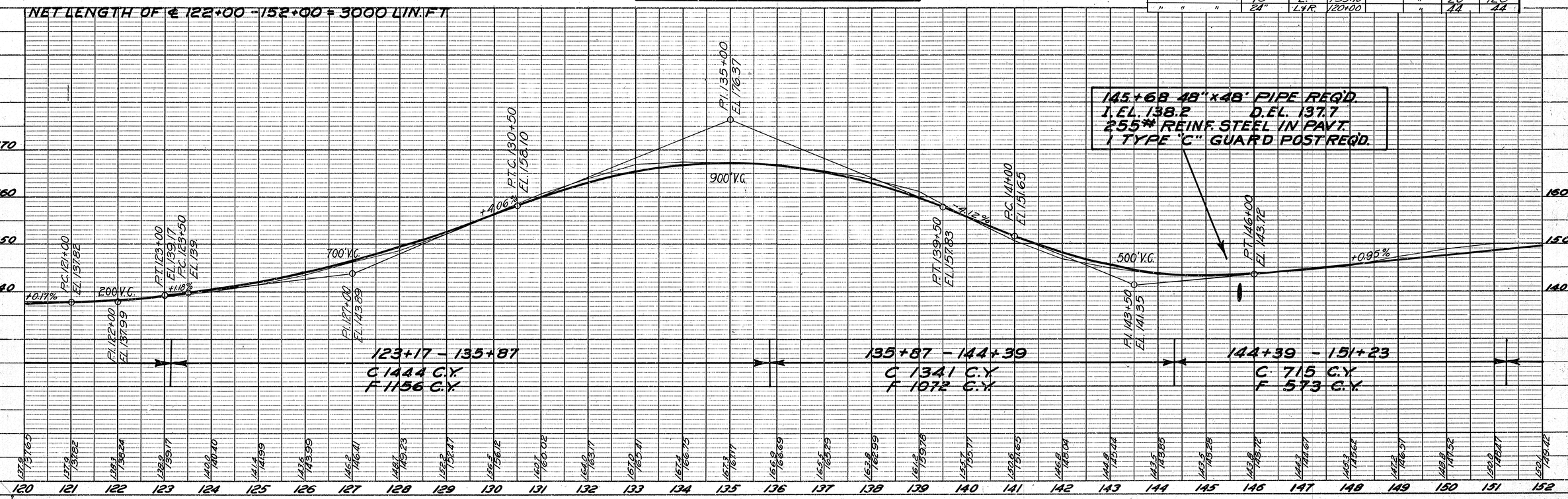


PLATE 1—PLAN-PROFILE O.P.R.&R.E. STANDARD
THE FREDERICK POST CO., CHICAGO

PLAN — NOTE BOOK No. 5484 — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — BY P. Bishop — DATE

PROFILE — NOTE BOOK No. 5484 — SURVEYED — PLOTTED — GRADES CHECKED — B.M.'s NOTED — STRUCTURE, MOTATIONS CHECKED — BY P. Bishop, W. Kettering, P. Bishop — DATE

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	12	68

DIVISION JOB NO. 3319

PLAN	SURVEYED	BY	DATE
	PLOTTED	D. Bishop	
NOTE BOOK No. 5484	RIGHT OF WAY CHECKED		
	CL. OF WAY CHECKED	W. Kittering	
		E. Bishop	

STA. 158+39
18"x18' PIPE
GOOD CONDITION
REMOVE

STA. 172+19
36"x34' PIPE
GOOD CONDITION
REMOVE

O. ALBRIGHT

CULTIVATED

F. BALDRY

HOUSE

CHURCH

ROAD

WOODS

CULTIVATED

W. HAEDT

HO

N88°11'E

N88°40'E

150 155 160 165 170 175 180

33' 33' 33'

22' 22' 22'

23'

ACRES

P.I. -162+00
I - 0°23'
EASE OFF IN
CONSTRUCTION

CROSS

MRS. R. ROYCRAFT

CULTIVATED

CULTIVATED

J. ROYCRAFT

PASTURE

G. BRADLEY

CULTIVATED

N.

W. E.

BENCH MARKS

STA.	DESCRIPTION	ELEV.
176+60	36" ELM 35' RT.	158.75

NET LENGTH OF ℄ 152+00 - 159+00 = 700 LIN. FT.
" " " " 159+00 - 182+00 = 2300 " "

158+39 24"x48' PIPE REQ'D.
I. EL. 152.4 D.EL. 151.9
255# REINF. STEEL IN PAVT.
1 TYPE "C" GUARD POST REQ'D.

172+19 36"x48' PIPE REQ'D.
I. EL. 151.7 D.EL. 151.3
255# REINF. STEEL IN PAVT.
1 TYPE "C" GUARD POST REQ'D.

P.C. 161+00 EL. 157.97
P.I. 163+00 EL. 159.87
400' V.C.
P.T. 165+00 EL. 158.01
P.C. 167+50 EL. 156.69
P.I. 169+00 EL. 154.29
300' V.C.
P.T. 170+50 EL. 154.80
P.C. 174+00 EL. 155.99
400' V.C.
P.I. 176+00 EL. 156.67
P.T. 178+00 EL. 160.61
P.C. 180+00 EL. 164.56
300' V.C.
P.I. 181+50 EL. 167.50

+0.95% +0.93% +0.34% +1.97

PROFILE	SURVEYED	BY	DATE
	PLOTTED	D. Bishop	
NOTE BOOK No. 5484	CROSS CHECKED	W. Kittering	
	R. W.'s NOTED	E. Bishop	
	ESSENTIAL MONUMENTS CHECKED		

151+23 - 155+28
C 424 C.Y.
F 337 C.Y.

155+28 - 163+42
C 1257 C.Y. F 1006 C.Y.

155+28 - 159+00
C 174 C.Y.
F 618 C.Y.

159+00 - 163+42
C 1083 C.Y.
F 388 C.Y.

163+42 - 172+71
C 954 C.Y.
F 763 C.Y.

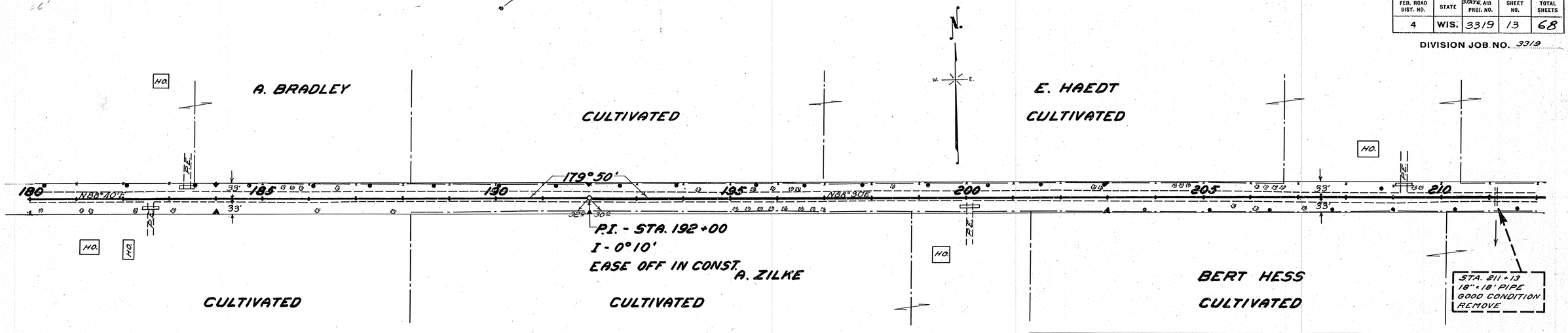
172+71 - 192+61
C 2272 C.Y.
F 1819 C.Y.

3 4

| | | |

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	13	68

DIVISION JOB NO. 3319



LOCATION OF PRIV. ENT. PIPES TO BE DETERMINED BY ENGINEER IN THE FIELD.

MISC. QUANTITIES FOR MILE 4							
ITEM.	TYPE	LOCAT.	STA. TO STA.		UNIT	AMT.	TOTAL
LIP CURB	B	R&L	178+00	192+00	LIN.FT.	2800	2800
" "	A	R&L	195+00	205+00	" "	2000	2000
LIP CURB OUTLETS	STD.	R&L	178+00		C.Y.	4	
" " "	"	R&L	185+00		"	4	
" " "	"	"	200+00		"	4	
" " "	"	"	205+00		"	4	16
STEEL IN OUTLETS	STD	TOTAL FOR MILE			LBS.	1400	1400
R.O.W. MARKERS	TOTAL	FOR MILE			No	10	10
PRIV. ENT. PIPES	18"	R	163+00		LIN. FT.	20	
" " "	18"	L	163+40		" "	20	
" " "	18"	L	165+80		" "	20	60
" " "	24"	L.	178+10		" "	22	
" " "	24"	R	182+60		" "	22	
" " "	24"	L	183+40		" "	22	
" " "	24	R.	200+10		" "	22	
" " "	24"	L	209+25		" "	22	110

BENCH MARKS		
STA	DESCRIPTION	ELEV.
187+85	18" OAK 30' RT.	197.62
209+05	24" OAK 25' LT.	186.84

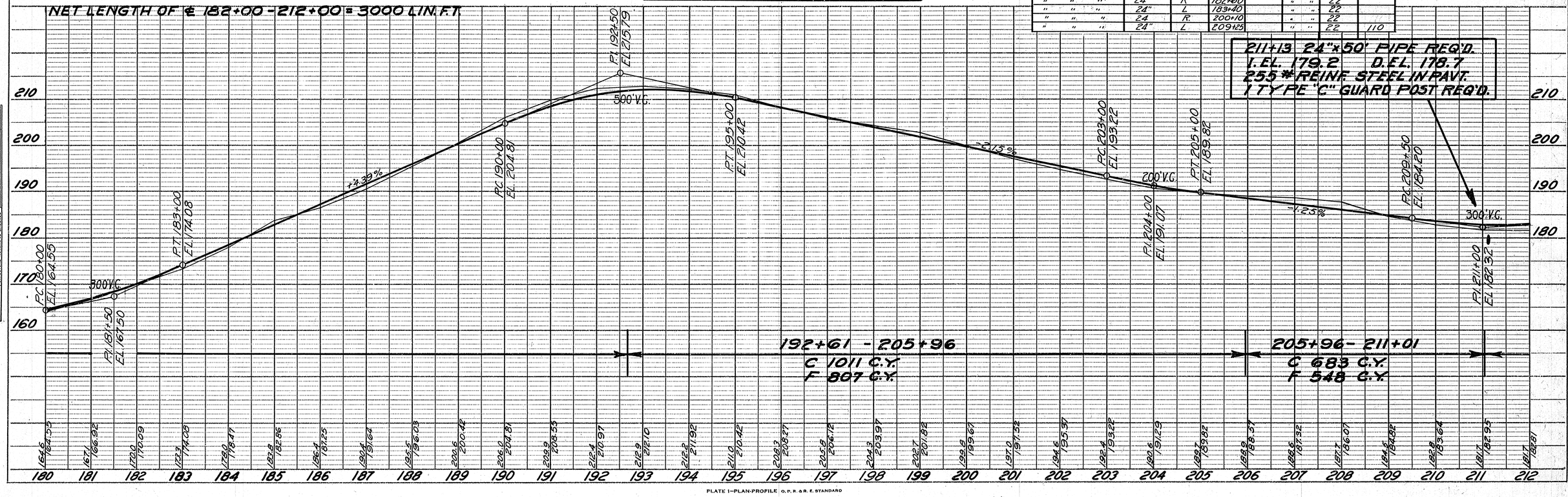


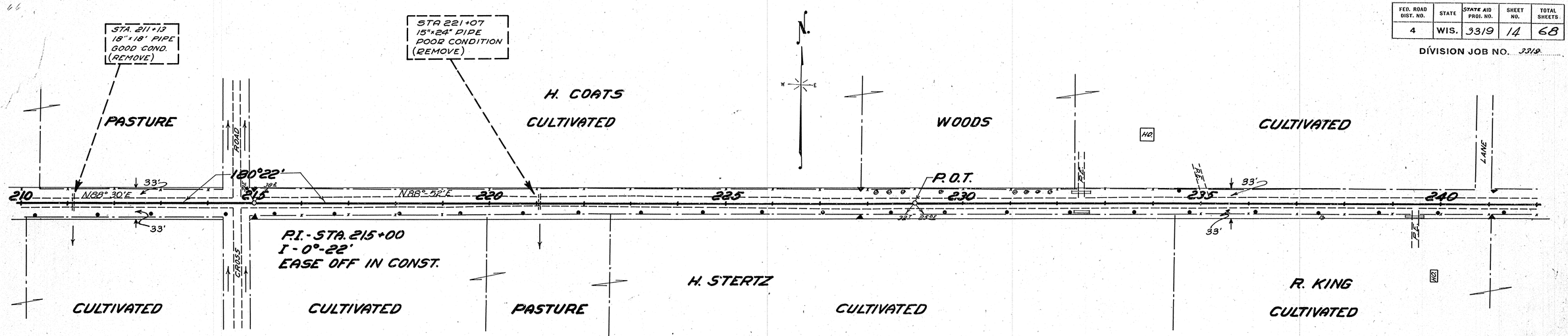
PLATE 1—PLAN-PROFILE O.P.R. & R.E. STANDARD
THE FREDERICK POST CO. CHICAGO

PLAN — NOTE BOOK No. 5484 — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — BY P. Bishop — DATE

PROFILE — NOTE BOOK No. 5484 — SURVEYED — PLOTTED — GRADES CHECKED — B.M.'s NOTED — STRUCTURE NOTATIONS CHECKED — BY P. Bishop — DATE — W. Kettering — P. Bishop

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	14	68

DIVISION JOB NO. 3319



LOCATION OF PRIV. ENT. PIPES TO BE DETERMINED BY ENGINEER IN THE FIELD.

MISC. QUANTITIES FOR MILE 5							
ITEM	TYPE	LOCAT.	STA. TO STA.		UNIT	AMT.	TOTAL
LIP CURB	B	R&L	230+00	238+00	LIN.FT.	1600	1600
" "	A	"	241+00	251+00	" "	2000	2000
LIP CURB OUTLETS		"	238+00		C.Y.	4	
" " "		"	246+00		"	4	
" " "		"	251+00		"	4	12
STEEL IN OUTLETS	STD.	TOTAL	FOR MILE		LBS.	1050	1050
R.O.W. MARKERS		"	"	"	NO.	12	12
PRIV. ENT. PIPES	18"	L.&R.	232+50		LIN.FT.	40	
" " "	18"	R	239+50		" "	20	
" " "	18"	L	245+70		" "	20	80
" " "	24"	L	256+25		" "	22	
" " "	24"	R	263+75		" "	22	44

BENCH MARKS		
STA.	DESCRIPTION	ELEV.
237+45	24" ELM 30' RT.	168.62

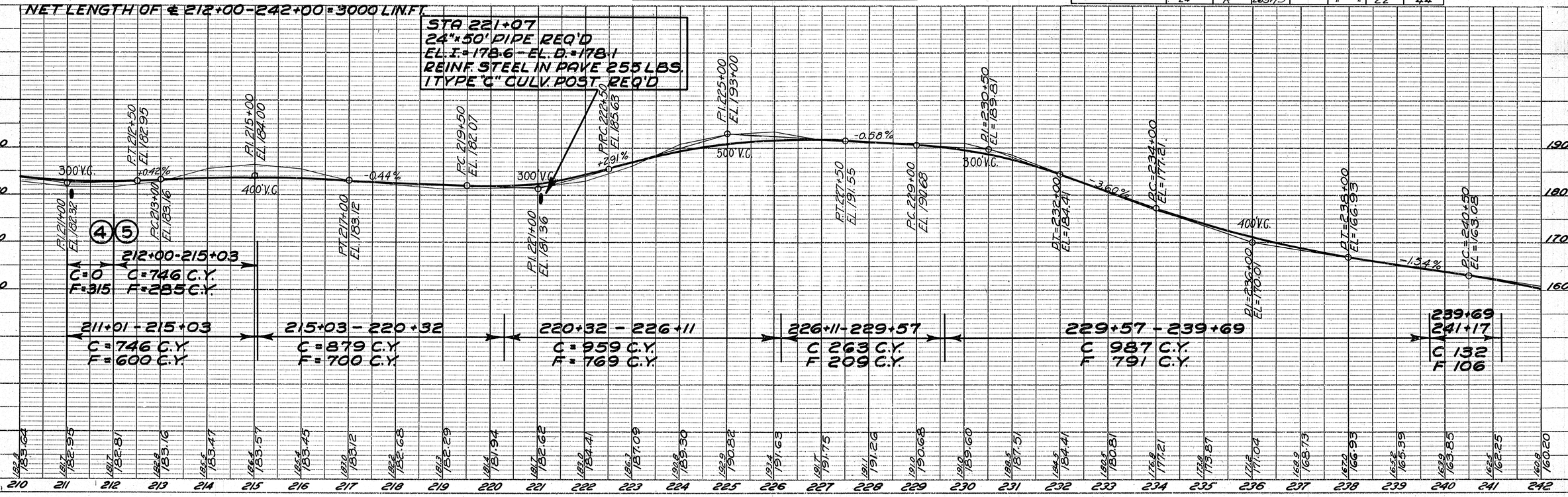


PLATE 1—PLAN-PROFILE O. P. R. & R. E. STANDARD
THE FREDERICK POST CO., CHICAGO

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	15	68

DIVISION JOB NO. 3319

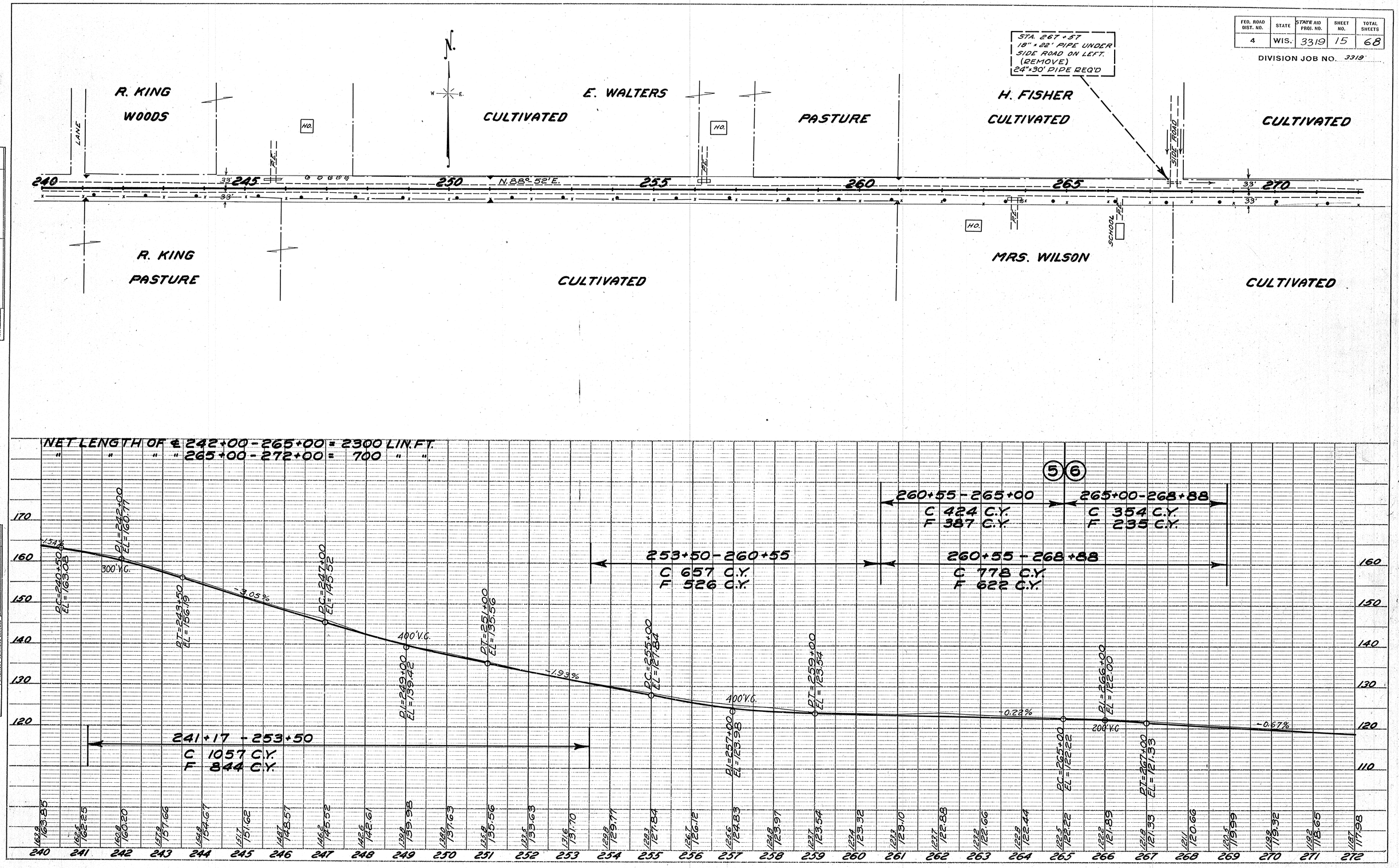


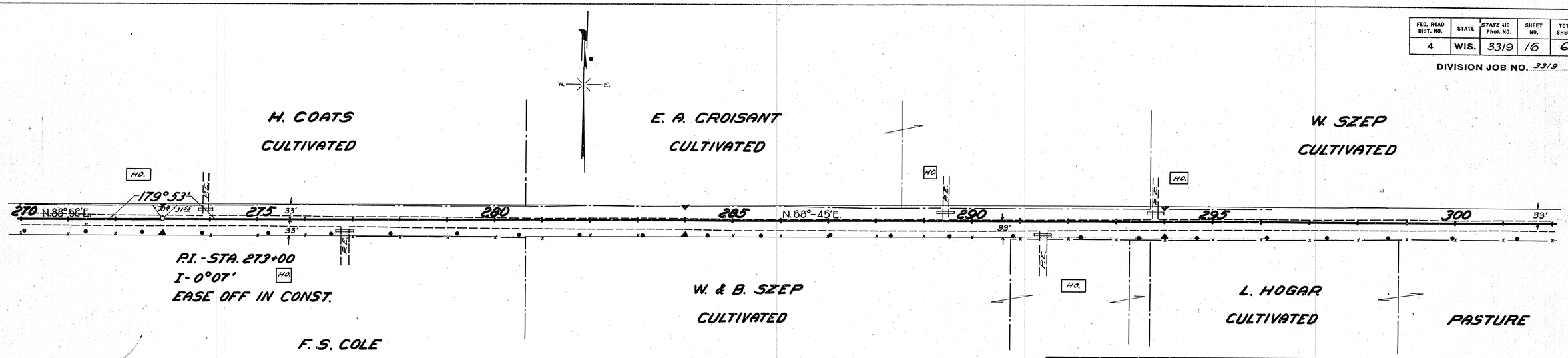
PLATE 1—PLAN-PROFILE O.F.R.&R.E. STANDARD
THE FREDERICK POST CO. CHICAGO

PLAN — NOTE BOOK No. 5484 — SURVEYED — PLOTTED — ALIGNMENT CHECKED — ST. OF WAY CHECKED — BY P. Bishop — DATE

PROFILE — NOTE BOOK No. 5484 — SURVEYED — PLOTTED — GRADES CHECKED — B.M.'s NOTED — STRUCTURE NOTATIONS CHECKED — BY P. Bishop, W. Kattering, P. Bishop — DATE

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	16	68

DIVISION JOB NO. 3319



LOCATION OF PRIV. ENT. PIPES TO BE DETERMINED BY ENGINEER IN THE FIELD.

MISC. QUANTITIES FOR MILE 6							
ITEM	TYPE	LOCAT.	STA. TO STA.		UNIT	AMT.	TOTAL
LIP CURB	C	R.	307+00	318+00	LIN.FT.	1100	1100
LIP CURB OUTLET	STD.	R.	308+40		C.Y.	2	2
STEEL IN OUTLET.	STD.	TOTAL FOR MILE			LBS	175	175
R.O.W. MARKERS		"	"		NO.	12	12
PRIV. ENT. PIPES	24"	L	273+90		LIN.FT	22	
" " "	24"	R	276+90		" "	22	
" " "	24"	L	289+50		" "	22	
" " "	24"	R	291+50		" "	22	
" " "	24"	L	293+80		" "	22	110
" " "	18"	R	306+00		" "	20	20

BENCH MARKS		
STATION	DESCRIPTION	ELEV.
272+70	SPIKE IN 18" ELM 30' RT.	118.41

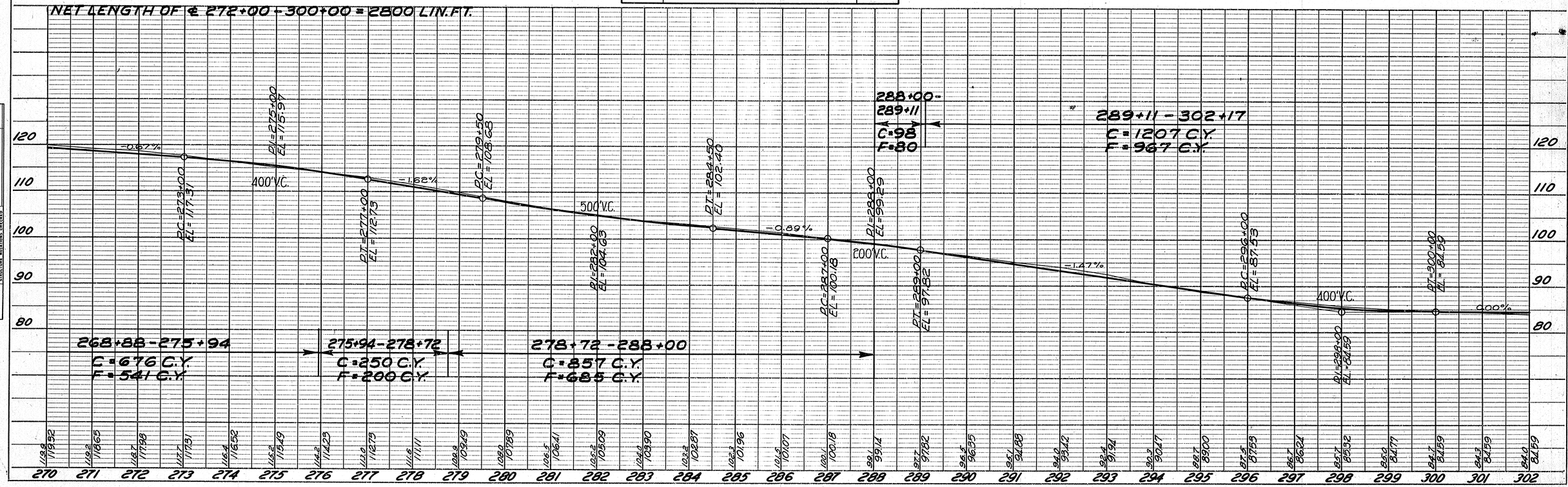


PLATE 1—PLAN-PROFILE O.P.R. & R.E. STANDARD
THE FREDERICK POST CO. CHICAGO

PLAN — NOTE BOOK No. 5484 — SURVEYED — PLOTTED — ALIGNMENT CHECKED — RT. OF WAY CHECKED — BY P. Bishop — DATE

PROFILE — NOTE BOOK No. 5484 — SURVEYED — PLOTTED — GRADES CHECKED — B. M.'s NOTED — STRUCTURE NOTATIONS CHECKED — BY P. Bishop — W. Kattering — P. Bishop — DATE

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	17	68

DIVISION JOB NO. 3319

BENCH MARKS

STA.	DESCRIPTION	ELEV.
315+75	Spike in 12" Elm 40' Lt.	91.98

PLAN — DRAWN BY D. BISHOP — DATE
TRACED — CHECKED
NOTE BOOK No. 3484 — ALIGNMENT CHECKED — ALL BK'S NOTED — RT. OF WAY CHECKED — DIFFERENCE IN LOCATIONS CHECKED
PROFILE — TRACED — CHECKED — GRADES CHECKED — ALL BK'S NOTED — DIFFERENCE IN LOCATIONS CHECKED
NOTE BOOK No. 3487

FRANZ ESTATE

CULTIVATED

STA. 305+62
13' SPAN, 16' ROADWAY
BRIDGE. STONE ABUTS.
PLANK FLOOR. POOR
CONDITION. REMOVE.

STA. 307+98
15½' SPAN. 16' ROADWAY
BRIDGE. STONE ABUTS.
CONCRETE FLOOR. POOR
CONDITION. REMOVE.

STA 311+00
18"×36' PIPE REQ'D
UNDER SIDE ROAD

253° 10'

P.I. - STA. 314+47.2

L. HOGAR

CULTIVATED

I. = 73° 10'
D = 7°
T = 607.8'
L = 1045.2
S.E. = .07' PER '

P.C. - 308+39.2

P.T. - 318+85.4

W. BROOKS

CULTIVATED

P.I. - 330+05.2
I - 68° 13'
D - 7°
T - 554.1
L - 974.2
S.E. = .07' PER FT.

MARSH

N 88° 45' E

S 18° 05' E

NET LENGTH OF ℄ STA 300+00 TO 318+00 = 1800 LIN. FT.
" " " " " 318+00 TO 330+00 = 1200 LIN. FT.

STA 305+62
2-60"×50' PIPES REQ'D
I.EL. = 78.5 D.EL. = 78.5
REINF. STEEL IN PAVE. 510 LBS.
1 TYPE "C" CULV. POST REQ'D

STA 307+98
3-60"×50' PIPES REQ'D
I.EL. = 78.5 D.EL. = 78.5
REINF. STEEL IN PAVE. 510 LBS.
1 TYPE "C" CULV. POST REQ'D

0.00%

+0.33%

+1.01%

-0.48%

200' V.C.

500' V.C.

P.C. = 308+50
EL = 84.59

P.I. = 309+50
EL = 84.59

P.T. = 310+50
EL = 84.92

P.C. = 320+50
EL = 88.22

P.I. = 321+50
EL = 88.55

P.T. = 322+50
EL = 89.56

P.C. = 324+50
EL = 92.58

P.I. = 325+50
EL = 93.11

P.T. = 328+00
EL = 93.91

302+17 - 329+42
C = 5061 C.Y. - F = 4048 C.Y.

302+17 - 318+00
C = 1214 C.Y. - F = 3250 C.Y.

318+00 - 329+42
C = 3847 C.Y. - F = 798 C.Y.

329+42 - 332+10
C = 380 C.Y.
F = 302 C.Y.

MILE 6 7

300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332
84.59	84.59	84.59	84.59	84.59	84.59	84.59	84.59	84.59	84.61	84.77	85.08	85.41	85.74	86.07	86.40	86.73	87.06	87.39	87.72	88.05	88.42	89.09	90.06	91.07	92.08	93.05	93.76	94.18	94.29	94.11	93.67	93.23

PLATE 1—PLAN-PROFILE O. P. R. & B. E. STANDARD
THE FREDERICK POST CO. CHICAGO

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	18	68

DIVISION JOB NO. 3319

BENCH MARKS

STA.	DESCRIPTION		ELEV.
334+25	Spike in Twin Elm	45' Rt.	94.19
353+85	Spike in 24" Elm	30' Lt.	90.74

P.I. = 330+05.2
I = 68°13'
D = 7°
T = 554.1
L = 974.5
S.E. = 0.07' PER FT.

STA. 342+81
18" x 20' PIPE
FAIR CONDITION
REMOVE

STA. 359+46
3'-1½" x 28' CONC. CUL.
GOOD CONDITION
REMOVE.

W. BROOKS PASTURE

C. REDLIN CULTIVATED

C. L. KING PASTURE

P.E.

H.O.

P.T. - 334+25

111° 7'

37°

330

S 86° 18' E

334 338 340 345 350 355 360

EQUATION
STA. 334 - 338 = 91.5'

P.I. - 330+05.2

L. HOGAR

W. BROOKS CULTIVATED

STA. 332+50
18" x 16' PIPE
GOOD CONDITION
REMOVE

C. REDLIN PASTURE

C. L. KING CULTIVATED

STA. 356+13
24" x 20' PIPE
GOOD CONDITION
REMOVE

PASTURE

MISC. QUANTITIES FOR MILE 7

ITEM	TYPE	LOCAT.	STA TO STA.		UNIT	AM'T	TOTAL
LIP CURB	"C"	R.	316+00	320+25	LIN. FT.	225	
" "	"C"	L.	323+10	336+73	" "	1254	1479
LIP CURB OUTLETS	ST'D.	L.	323+10		C.Y.	2	
" " "	ST'D.	L.	333+00		C.Y.	2	4
STEEL IN OUTLETS	ST'D.		TOTAL FOR MILE		LBS.	350	350
GUARD FENCE	"C"	R. & L.	370+52	371+00	POSTS	8	8
R.O.W. MARKERS	STD.		TOTAL FOR MILE		NO.	16	16
PRIV. ENTR. PIPES	18"	L	330+50		LIN. FT.	20	
" " "	18"	R. & L.	343+30		" "	40	
" " "	18"	R. & L.	356+50		" "	40	
" " "	18"	R. & L.	360+25		" "	40	140

LOCATION OF PIPE CULV. UNDER PRIV. ENTR. TO BE DETERMINED BY ENGINEER IN FIELD

PLAN — SURVEYED — BY — DATE — NOTE BOOK — PLOTTED — CHECKED — No. 5437

PROFILE — SURVEYED — P. A. Hoop — NOTE BOOK — GRADES CHECKED — W. Katherine — No. 5437

NET LENGTH OF ℄ 330+00 TO 360+00 = 2691.6 LIN. FT.

STA 332+50
24" x 50' PIPE REQ'D
I. EL. = 89.8 D. EL. = 89.3
DIST. 22' LT. - 28' RT.
REINF. STEEL IN PAVE. 255 LBS.
1 TYPE "C" CULV. POST REQ'D

STA 359+46
2-30" x 50' PIPES REQ'D
I. EL. = 83.2 D. EL. = 82.7
REINF. STEEL IN PAVE. 255 LBS.
1 TYPE "C" CULV. POST REQ'D

-0.48% 300' V.C. +0.51% 400' V.C. -0.30% 400' V.C. -1.10% 400' V.C. +0.10%

PC = 331+50 EL = 93.43
PI = 333+00 EL = 92.71
PT = 334+50 EL = 93.47
PC = 338+50 EL = 93.93
PT = 340+50 EL = 94.35
PC = 342+50 EL = 94.35
PC = 353+00 EL = 91.20
PI = 355+00 EL = 90.60
PT = 357+00 EL = 88.40
PC = 359+00 EL = 86.20
PT = 361+00 EL = 86.40

91.6'

100 90 80

332+10 - 340+45	340+45 - 348+15	348+15 - 350+26	350+26 - 354+48	354+48 - 357+11	357+11 - 361+33
C = 648 C.Y.	C = 904 C.Y.	C = 200 C.Y.	C = 457 C.Y.	C = 243 C.Y.	C = 426 C.Y.
F = 520 C.Y.	F = 722 C.Y.	F = 161 C.Y.	F = 365 C.Y.	F = 194 C.Y.	F = 341 C.Y.

94.11	93.61	93.23	93.08	93.26	93.68	94.16	94.47	94.57	94.47	94.20	93.90	93.60	93.30	93.00	92.70	92.40	92.10	91.80	91.50	91.20	90.80	90.20	89.40	88.40	87.45	86.80	86.45	86.40	86.50				
330	331	332	333	334	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362				

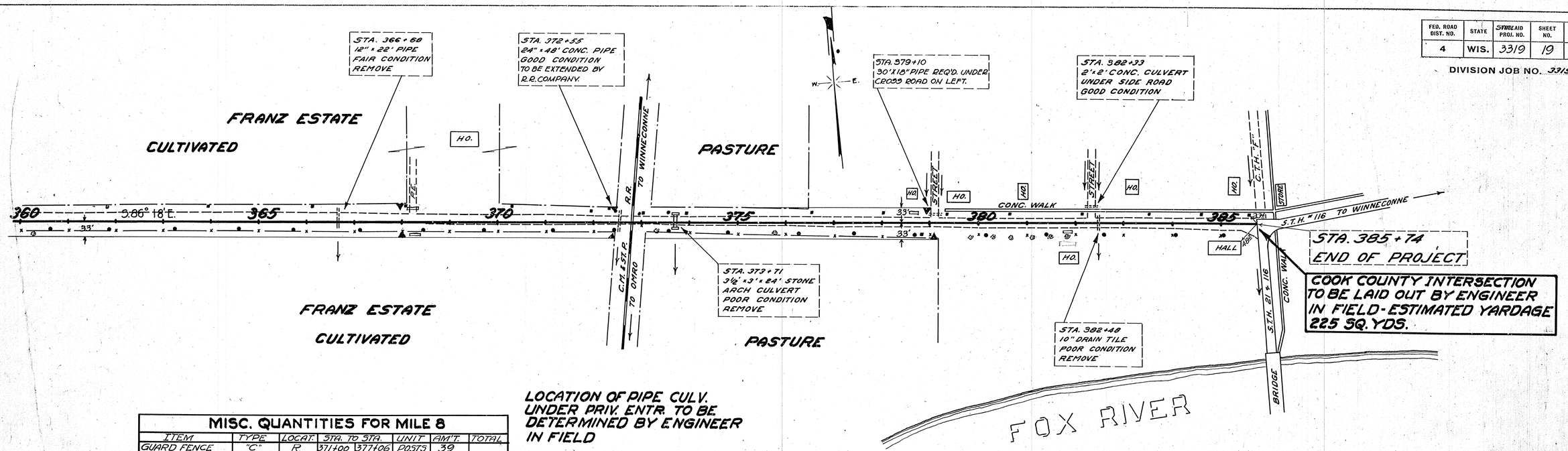
STA. 334 TO 338 = 91.5'

PLATE 1--PLAN-PROFILE O. P. R. & R. E. STANDARD
THE FREDERICK POST CO., CHICAGO

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	3319	19	68

DIVISION JOB NO. 3319

PLAN — SURVEYED: P. BISSOP; PLOTTED: W. HEMMING; GRADES CHECKED: A.N.; TIES TO PROPERTY LINES, ALIGNMENT CHECKED, ETC. OF WAY CHECKED; DESIGNED BY: ROTHMAN; CHECKED: NOTE BOOK No. S-68; DATE: P. BISSOP



LOCATION OF PIPE CULV. UNDER PRIV. ENTR. TO BE DETERMINED BY ENGINEER IN FIELD

MISC. QUANTITIES FOR MILE 8

ITEM	TYPE	LOCAT.	STA. TO STA.		UNIT	AM'T.	TOTAL
GUARD FENCE	"C"	R	371+00	377+06	POSTS	39	
" "	"C"	L	371+00	376+60	"	36	75
R.O.W. MARKERS	ST'D.		TOTAL FOR MILE		NO.	4	4
PRIV. ENTR. PIPES	18"	L	378+50		LIN. FT.	20	
" " "	18"	R	381+80		" "	20	40
AMOR PROTECTION	ST'D.		372+80		" "	40	40
ADD. CONC. PAV'T.	-		372+80		SQ. YDS.	3	3
REINF. STEEL IN PAV'T.	ST'D		372+80		LBS.	272	272

BENCH MARKS

STATION	DESCRIPTION	ELEV.
369+85	18" MAPLE 95' LT.	90.72
383+50	15" ELM 25' LT.	89.53

PROFILE — SURVEYED: P. BISSOP; PLOTTED: W. HEMMING; GRADES CHECKED: A.N.; TIES TO PROPERTY LINES, ALIGNMENT CHECKED, ETC. OF WAY CHECKED; DESIGNED BY: ROTHMAN; CHECKED: NOTE BOOK No. S-68; DATE: P. BISSOP

NET LENGTH OF ℄ 360+00 TO 371+00 = 1100 L.F.
371+00 TO 385+74 = 1474 L.F.

366+68 PLACE 24"X46' PIPE CULV.
I. ELEV. 84.2 D. ELEV. 83.7
REINF. STEEL IN PAV'M'T. 255 LBS.
GUARD POST — 1 TYPE "C"

373+71 PLACE 36"X62' PIPE CULV.
I. ELEV. 80.5 D. ELEV. 80.0
REINF. STEEL IN PAV'M'T. 255 LBS.
GUARD POST — 1 TYPE "C"

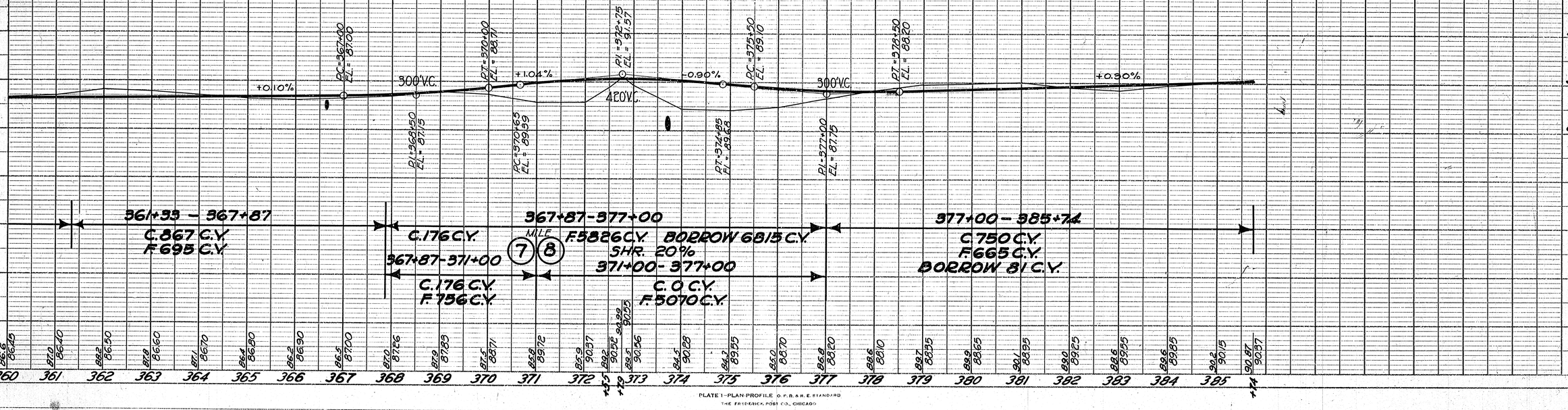


PLATE 1 — PLAN-PROFILE © P.B.&R.E. STANDARD
THE FREDERICK POST CO., CHICAGO

CULVERT SCHEDULE

SHEET No. 1

NAME OF ROAD **COLOMA-OSHKOSH** WIDTH OF ROADWAY **30 FT.** TYPE OF SURFACING **20 FT. CONC.** COUNTY **WINNEBAGO - S. A.** PROJ. NO. **3319** DIV. JOB NO. **3319**

Mile No.	Plan Sheet No.	Station	SIZE Width	SIZE Height	SIZE Length	KIND OF CULVERT	TYPE	INLET ENDWALL Square-Sloping-Flared	INLET ENDWALL Finish Above Opening	INLET ENDWALL Slope	INLET ENDWALL Drop Inlet or Breaker Wall Reqd.	DISCH. ENDW. Square-Sloping-Flared	DISCH. ENDW. Slope	PLACE CULV. Left From ℄	PLACE CULV. Right From ℄	ELEV. BOT. BBL Disch.	ELEV. BOT. BBL Inlet	FLOW Left	FLOW Right	CONC. IN CULV.	STEEL IN CULV.	LOCATION	REMARKS
1	7	28+34	60"		108'	PIPE										81.0	81.0	L				UNDER CENTERLINE	REMOVE 60"X18' PIPE
1	7	2+00	18"		40'	"								L	R							UNDER PRIV. ENTR.	
1	8	34+00	18"		20'	"									R							" " "	
1	8	48+50	18"		20'	"								L								" " "	
1	8	50+00	18"		20'	"									R							" " "	
2	9	68+10	24"		46'	"										85.4	85.8	L				UNDER CENTERLINE	REMOVE 18"X16' PIPE
2	9	79+82	24"		92'	"										87.4	87.9	L				" "	REMOVE 24"X20' "
2	9	65+00	18"		40'	"								L	R							UNDER PRIV. ENTR.	
2	9	79+00	18"		40'	"								L	R							" " "	
2	9	90+00	24"		44'	"								L	R							" " "	
2	10	105+00	18"		40'	"								L	R							" " "	
3	10	116+96	24"		46'	"										133.9	134.4	L				UNDER CENTERLINE	REMOVE 18"X34' PIPE
3	11	145+68	48"		48'	"										137.7	138.2	L				" "	REMOVE 54"X28' "
3	11	158+39	24"		48'	"										151.9	152.4		R			" "	REMOVE 18"X18' "
3	11	123+25	18"		40'	"								L	R							UNDER PRIV. ENTR.	
3	11	140+75	18"		20'	"								L								" " "	
3	11	143+90	18"		20'	"									R							" " "	
3	11	152+50	18"		20'	"									R							" " "	
3	11	155+10	18"		20'	"								L								" " "	
3	10	120+00	24"		44'	"								L	R							" " "	
4	12	172+19	36"		48'	"										151.3	151.7		R			UNDER CENTERLINE	REMOVE 36"X34' PIPE
4	13	211+13	24"		50'	"										178.7	179.2		R			" "	REMOVE 18"X18' PIPE
4	12	163+00	18"		20'	"									R							UNDER PRIV. ENTR.	
4	12	163+40	18"		20'	"								L								" " "	
4	12	165+80	18"		20'	"								L								" " "	
4	12	178+10	24"		22'	"								L								" " "	
4	13	182+60	24"		22'	"									R							" " "	

SUMMARY OF PIPE CULVERTS

TYPE	CORRUGATED SHEET METAL PIPE (Total Lineal Feet) Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	CAST IRON PIPE Diam.	CAST IRON PIPE Total Lineal Feet	Diam.	Total Lineal Feet	CONCRETE PIPE Diam.	CONCRETE PIPE Total Lineal Feet	Diam.	Total Lineal Feet
Pure Iron																				
Copper Pure Iron																				
Copper Iron																				
Molybdenum																				
Copper Steel																				

CULVERT SCHEDULE

SHEET No. 2

NAME OF ROAD **COLOMA-OSHKOSH** WIDTH OF ROADWAY **30 FT.** TYPE OF SURFACING **20 FT. CONC.** COUNTY **WINNEBAGO S. A.** PROJ. NO. **3319** DIV. JOB NO. **3319**

Mile No.	Plan Sheet No.	Station	SIZE Width	SIZE Height	SIZE Length	KIND OF CULVERT	TYPE	INLET ENDWALL Square-Sloping-Flared	INLET ENDWALL Finish Above Opening	INLET ENDWALL Slope	INLET ENDWALL Drop Inlet or Breaker Wall Reqd.	DISCH. ENDW. Square-Sloping-Flared	DISCH. ENDW. Slope	PLACE CULV. Left From ℄	PLACE CULV. Right From ℄	ELEV. BOT. BBL Disch.	ELEV. BOT. BBL Inlet	FLOW Left	FLOW Right	CONC. IN CULV.	STEEL IN CULV.	LOCATION	REMARKS
4	13	183+40	24"		22'	PIPE								L								UNDER PRIV. ENTR.	
4	13	200+10	24"		22'	"									R							" " "	
4	13	209+25	24"		22'	"								L								" " "	
5	14	221+07	24"		50'	"										178.1	178.6		R			UNDER CENTERLINE	REMOVE 15"X24" PIPE
5	14	232+50	18"		40'	"								L	R							UNDER PRIV. ENTR.	
5	14	239+50	18"		20'	"									R							" " "	
5	15	245+70	18"		20'	"								L								" " "	
5	15	256+25	24"		22'	"								L								" " "	
5	15	263+75	24"		22'	"									R							" " "	
6	17	305+42	60"		100'	"										78.5	78.5		R			UNDER CENTERLINE	REMOVE 13' SPAN BRIDGE
6	17	307+98	60"		150'	"										78.5	78.5		R			" "	" 15.5' " "
6	15	267+57	24"		30'	"								L								UNDER SIDE ROAD	
6	17	311+00	18"		36'	"								L								" " "	
6	16	273+90	24"		22'	"								L								UNDER PRIV. ENTR.	
6	16	276+90	24"		22'	"									R							" " "	
6	16	289+50	24"		22'	"								L								" " "	
6	16	291+50	24"		22'	"									R							" " "	
6	16	293+80	24"		22'	"								L								" " "	
6	17	306+00	18"		20'	"									R							" " "	
7	18	332+50	24"		50'	"										89.3	89.8		R			UNDER CENTERLINE	REMOVE 18"X16' PIPE
7	18	359+46	30"		100'	"										82.7	83.2		R			" "	" 3'X1.5'X28' CONC. CULV.
7	19	366+60	24"		46'	"										83.7	84.2		R			" "	" 12"X22' PIPE
7	17	330+50	18"		20'	"								L								UNDER PRIV. ENTR.	
7	18	343+30	18"		40'	"								L	R							" " "	
7	18	356+50	18"		40'	"								L	R							" " "	
7	19	368+25	18"		40'	"								L	R							" " "	

SUMMARY OF PIPE CULVERTS

TYPE	CORRUGATED SHEET METAL PIPE (Total Lineal Feet) Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	Diam.	CAST IRON PIPE Diam.	CAST IRON PIPE Total Lineal Feet	Diam.	Total Lineal Feet	CONCRETE PIPE Diam.	CONCRETE PIPE Total Lineal Feet	Diam.	Total Lineal Feet
Pure Iron																				
Copper Pure Iron																				
Copper Iron																				
Molybdenum																				
Copper Steel																				

AID PROJ. NO. | SHEET NO. | TOTAL SHEETS

DIVISION JOB NO.

SHEET No. 3

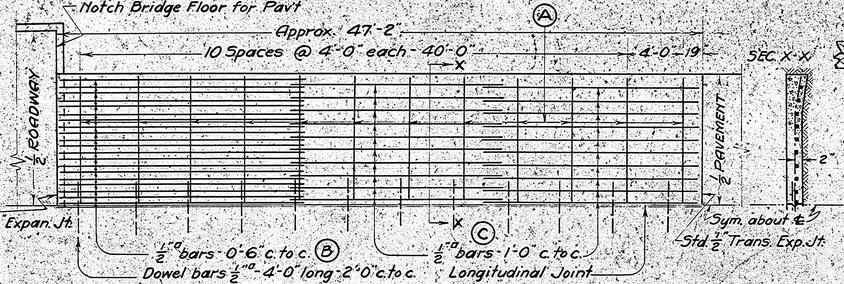
CULVERT SCHEDULE

NAME OF ROAD **COLOMA - OSHKOSH** WIDTH OF ROADWAY **30 FT.** TYPE OF SURFACING **20 FT. CONC.** COUNTY **WINNEBAGO** S. A. PROJ. NO. **3319** - DIV. JOB NO. **3319**

Mile No.	Plan Sheet No.	Station	SIZE Width	SIZE Height	SIZE Length	KIND OF CULVERT	TYPE	INLET ENDWALL Square-Sloping-Flared	INLET ENDWALL Finish Above Open'g.	INLET ENDWALL Slope	INLET ENDWALL Drop Inlet or Breaker Wall Reqd.	DISCH. ENDW. Square-Sloping-Flared	DISCH. ENDW. Slope	PLACE CULV. Left From ℄	PLACE CULV. Right From ℄	ELEV. BOT. BBL. Disch.	ELEV. BOT. BBL. Inlet	FLOW Left	FLOW Right	CONC. IN CULV.	STEEL IN CULV.	LOCATION	REMARKS
8	19	373+71	36"		62'	PIPE										80.0	80.5		R.			UNDER CENTERLINE	REMOVE 3.5'X3'X24' STONE CULV.
8	19	379+10	18"		30'	"								L								UNDER SIDE ROAD	
8	19	378+50	18"		20'	"								L								UNDER PRIV. ENTR.	
8	19	381+80	18"		20'	"									R							" " "	

SUMMARY OF PIPE CULVERTS

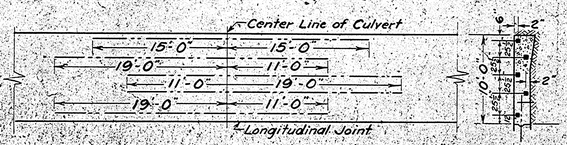
TYPE	CORRUGATED SHEET METAL PIPE (Total Lineal Feet) 18 Diam.	24 Diam.	30 Diam.	36 Diam.	48 Diam.	60 Diam.	___ Diam.	___ Diam.	___ Diam.	___ Diam.	___ Diam.	___ Diam.	CAST IRON PIPE Diam.	Total Lineal Feet	Diam.	Total Lineal Feet	CONCRETE PIPE Diam.	Total Lineal Feet	Diam.	Total Lineal Feet
Pure Iron																				
Copper Pure Iron																				
Copper Iron																				
Molybdenum																				
Copper Steel																				
TOTAL	746	810	100	110	48	358														



STANDARD DESIGN REINFORCING FOR BRIDGE APPROACHES

BILL OF REINFORCING FOR ONE END				
BAR	18' PAVEMENT		20' PAVEMENT	
	NO.	LENGTH	NO.	LENGTH
A	24	8'-6"	24	9'-6"
B	36	18'-0"	40	18'-0"
C	36	16'-0"	40	16'-0"
TOTAL STEEL		1215 Lbs.		1350 Lbs.

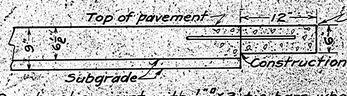
NOTE:- All reinforcement is ½" square deformed bars. Place longitudinal bars 2" from bottom of slab and transverse bars on top of these. Wire longitudinal and transverse bars securely together to form separate mats on each side of parting strip.



NOTE: For other widths of pavement, vary the 25½ spaces. All reinforcement is ½"ø deformed bars 30' long 10 required. Weight = 255 lbs.

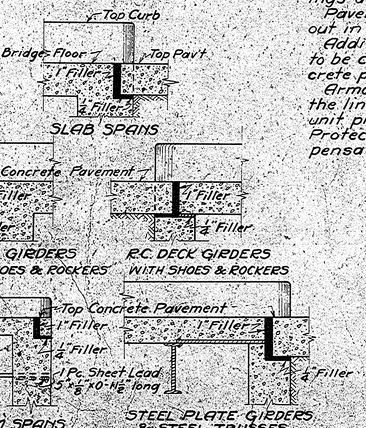
No reinforcing steel is to extend thru expansion joints. Vary spacing of transverse expansion joints if necessary.

PAVEMENT REINFORCING OVER CULVERT

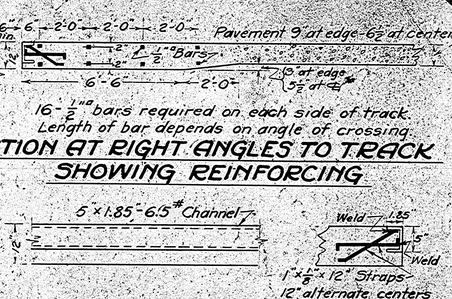


Construction joint with ½"x3' tie bars when placed at edge of pavt or standard expan. joint with std dowels when placed at end of pavement.

CONCRETE HEADER BLOCK



METHODS OF CONNECTING CONC. PAV'T WITH BRIDGE STRUCTURES



SECTION AT RIGHT ANGLES TO TRACK SHOWING REINFORCING

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 converted in Sq. Yds. of standard concrete pavement and paid for as such.

Armor protection shown to be measured by the linear foot 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.

STANDARD DESIGN

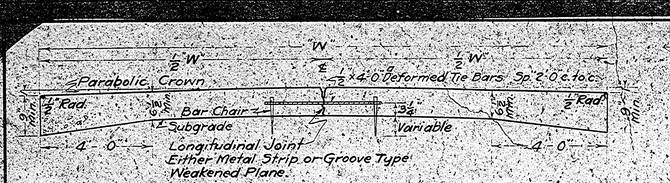
PAVEMENT REINFORCING FOR BRIDGE APPROACHES CULVERTS & RAILROAD CROSSINGS - ALSO ST'D DESIGN OF CONCRETE HEADER BLOCK

Recommended for Approval: J. Snare
PLAN & SURVEY ENGR.

Approved: C. M. Rose
STATE HIGHWAY ENGINEER

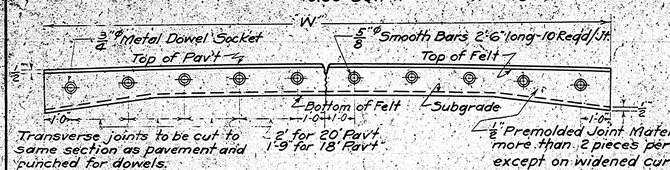
Date: 2/18/30

C-39



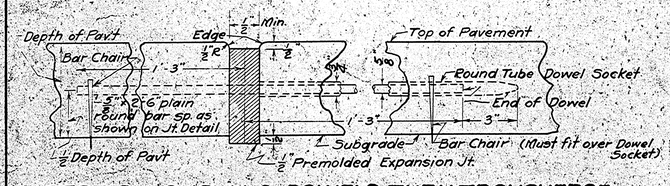
CROSS SECTION OF STD. ONE COURSE PORTLAND CEMENT CONCRETE PAVEMENT

SECTION AREA = 11.68 SQ. FT. WHEN "W" = 20 FT.
" " = 10.60 SQ. FT. " "W" = 18 FT.

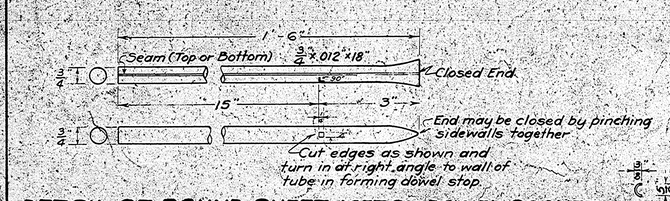


Transverse joints to be cut to same section as pavement and punched for dowels.

STD. PREMOLDED TRANSVERSE EXPANSION JT. DETAIL

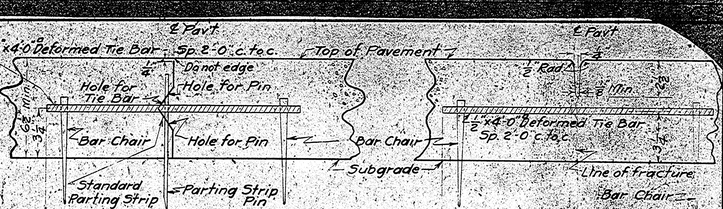


SECTION SHOWING DOWELS THRU TRANSVERSE EXPANSION JOINTS

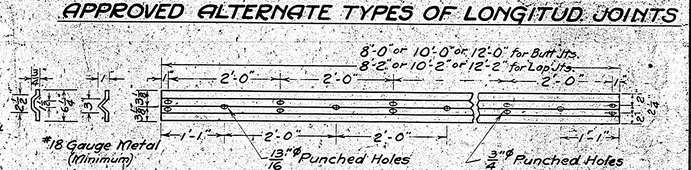


DETAIL OF ROUND SHEET METAL DOWEL SOCKET

PARTING STRIP PIN



APPROVED ALTERNATE TYPES OF LONGITUD. JOINTS



STANDARD PARTING STRIP FOR LONGITUD. JOINTS

Adjacent strips shall be held together by a butt joint rigidly connected or lapped at least 2 inches and securely fastened by the pin.

The design of strips, its details and its method of installation shall be in accordance with design here shown, or shall meet approval of the engineer.

If necessary, wood blocks shall be used to help keep the strip at the proper elevation.

CONSTRUCTION NOTES:

Do not edge pavement where Lip type curb is to be placed.

Weakened plane type longitudinal joints shall be constructed by forming a groove or indentation in the surface after the concrete has been struck off to the required cross section. The method or devices for forming the groove must produce results satisfactory to the engineer.

All expansion joints and weakened plane longitudinal joints shall be filled and refilled in accordance with the requirements of the standard specifications.

All bar chairs shall be designed to hold all dowels and tie bars in the specified position.

Joint material to extend ½ inch below bottom of pavement. Normal spacing of transverse expansion joints not less than 47 feet and not more than 50 feet.

The unit price of joints longer than standard on widened curves and intersections will be adjusted in the ratio of the unit price bid to the std. joint.

STANDARD DESIGN

ONE COURSE PORTLAND CEMENT CONCRETE PAV'T & TRANSVERSE EXPANSION JOINT DETAIL

WISCONSIN HIGHWAY COMMISSION

Recommended for Approval: J. Snare
PLAN & SURVEY ENGR.

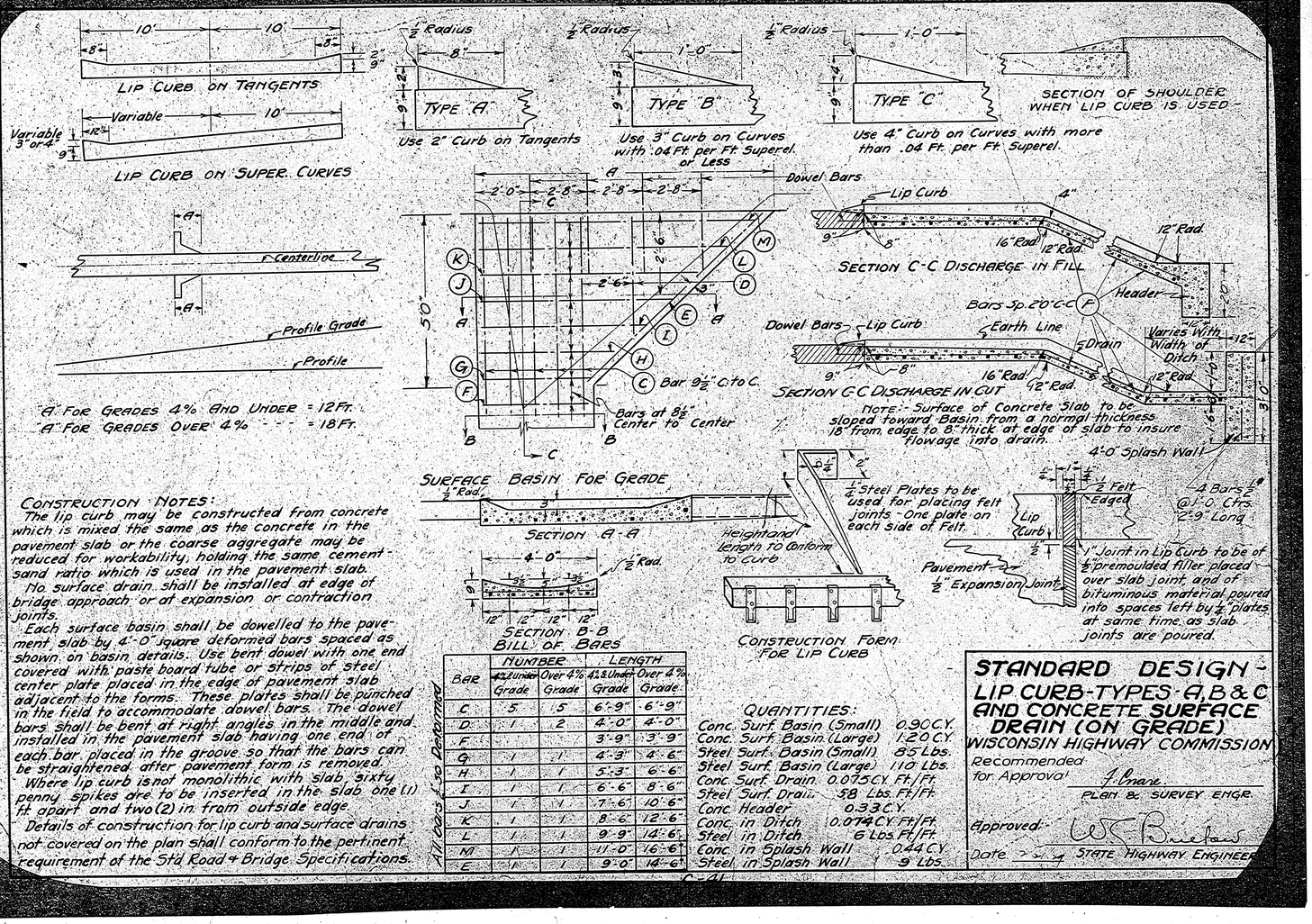
Approved: C. M. Rose
STATE HIGHWAY ENGINEER

Date: 2/18/30

C-40

AID SHEET NO. | TOTAL NO. SHEETS

JOB NO.



CONSTRUCTION NOTES:

The lip curb may be constructed from concrete which is mixed the same as the concrete in the pavement slab or the coarse aggregate may be reduced for workability, holding the same cement-sand ratio which is used in the pavement slab.

No surface drain shall be installed at edge of bridge approach or at expansion or contraction joints.

Each surface basin shall be dowelled to the pavement slab by 4'-0" square deformed bars spaced as shown on basin details. Use bent dowel with one end covered with paste board tube or strips of steel center plate placed in the edge of pavement slab adjacent to the forms. These plates shall be punched in the field to accommodate dowel bars. The dowel bars shall be bent at right angles in the middle and installed in the pavement slab having one end of each bar placed in the groove so that the bars can be straightened after pavement form is removed.

Where lip curb is not monolithic with slab, sixty penny spikes are to be inserted in the slab one (1) ft apart and two (2) in from outside edge.

Details of construction for lip curb and surface drains not covered on the plan shall conform to the pertinent requirement of the Std Road + Bridge Specifications.

All bars of #3 Deformed

BILL OF BARS

Bar	Number 42 Tons & Under Grade	Number Over 42 Tons Grade	Length 42 Tons & Under Grade	Length Over 42 Tons Grade
C	5	5	6'-9"	6'-9"
D	1	2	4'-0"	4'-0"
F			3'-9"	3'-9"
G	1	1	4'-3"	4'-6"
H	1	1	5'-3"	6'-6"
I	1	1	6'-6"	8'-6"
J	1	1	7'-6"	10'-6"
K	1	1	8'-6"	12'-6"
L	1	1	9'-9"	14'-6"
M	1	1	11'-0"	16'-6"
E	1	1	9'-0"	14'-6"

QUANTITIES:

Conc. Surf. Basin (Small)	0.90 C.Y.
Conc. Surf. Basin (Large)	1.20 C.Y.
Steel Surf. Basin (Small)	85 Lbs.
Steel Surf. Basin (Large)	110 Lbs.
Conc. Surf. Drain	0.075 C.Y. Ft./Ft.
Steel Surf. Drain	.58 Lbs. Ft./Ft.
Conc. Header	0.33 C.Y.
Conc. in Ditch	0.074 C.Y. Ft./Ft.
Steel in Ditch	6 Lbs. Ft./Ft.
Conc. in Splash Wall	0.44 C.Y.
Steel in Splash Wall	9 Lbs.

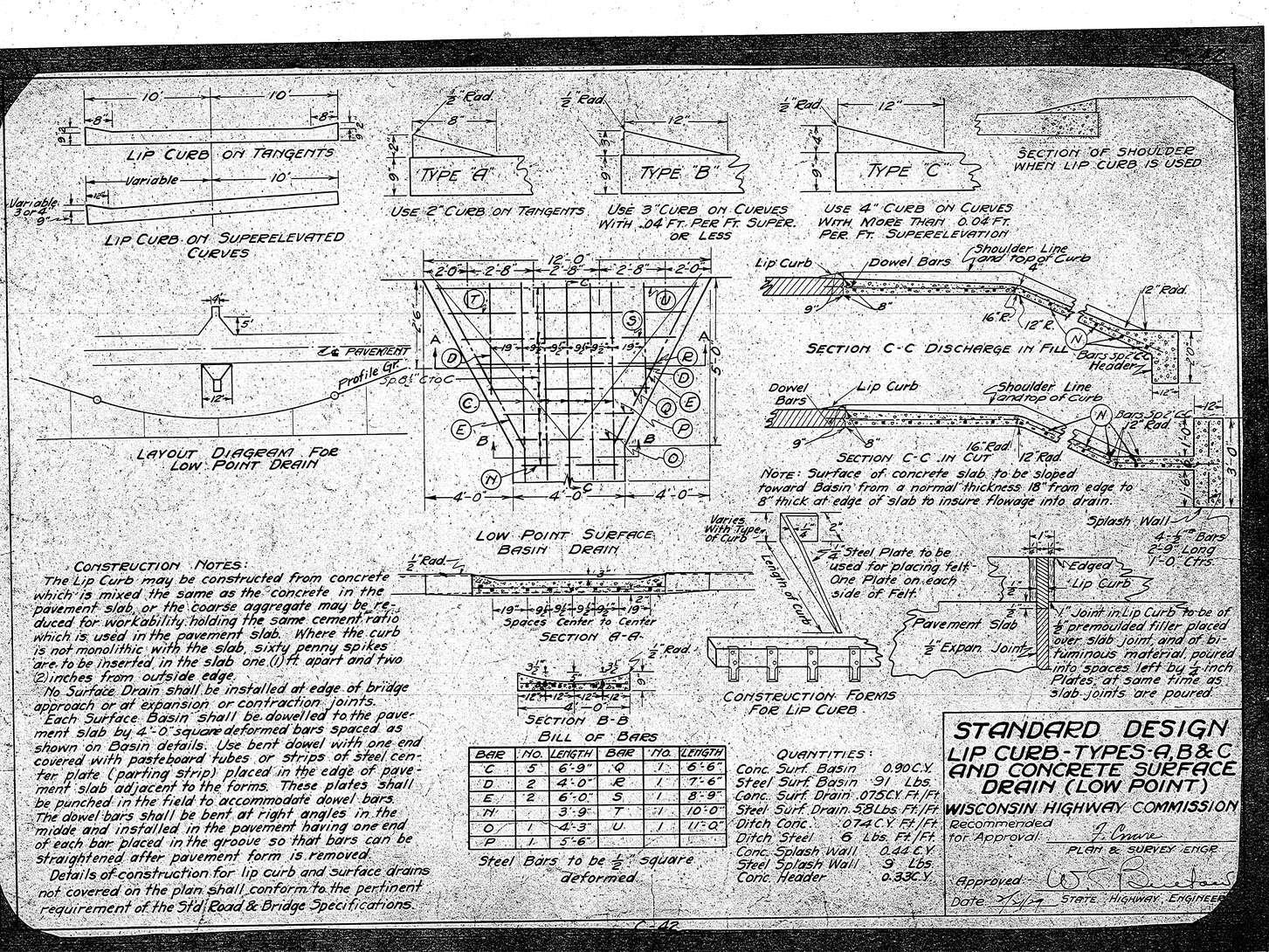
STANDARD DESIGN
LIP CURB-TYPES A, B & C AND CONCRETE SURFACE DRAIN (ON GRADE)
WISCONSIN HIGHWAY COMMISSION

Recommended for Approval: J. Crane, PLAN & SURVEY ENGR.

Approved: W. T. Bruton, STATE HIGHWAY ENGINEER

Date 7-1-47

C-41



CONSTRUCTION NOTES:

The Lip Curb may be constructed from concrete which is mixed the same as the concrete in the pavement slab or the coarse aggregate may be reduced for workability holding the same cement ratio which is used in the pavement slab. Where the curb is not monolithic with the slab, sixty penny spikes are to be inserted in the slab one (1) ft. apart and two (2) inches from outside edge.

No Surface Drain shall be installed at edge of bridge approach or at expansion or contraction joints.

Each Surface Basin shall be dowelled to the pavement slab by 4'-0" square deformed bars spaced as shown on Basin details. Use bent dowel with one end covered with pasteboard tubes or strips of steel center plate (parting strip) placed in the edge of pavement slab adjacent to the forms. These plates shall be punched in the field to accommodate dowel bars. The dowel bars shall be bent at right angles in the middle and installed in the pavement having one end of each bar placed in the groove so that bars can be straightened after pavement form is removed.

Details of construction for lip curb and surface drains not covered on the plan shall conform to the pertinent requirement of the Std Road & Bridge Specifications.

BILL OF BARS

Bar	No.	Length	Bar	No.	Length
C	5	6'-9"	Q	1	6'-6"
D	2	4'-0"	R	1	7'-6"
E	2	6'-0"	S	1	8'-9"
N	1	3'-9"	T	1	10'-0"
O	1	4'-3"	U	1	11'-0"
P	1	5'-6"			

Steel Bars to be ½" square deformed.

QUANTITIES:

Conc. Surf. Basin	0.90 C.Y.
Steel Surf Basin	91 Lbs.
Conc. Surf. Drain	0.75 C.Y. Ft./Ft.
Steel Surf. Drain	58 Lbs. Ft./Ft.
Ditch Conc.	.074 C.Y. Ft./Ft.
Ditch Steel	6 Lbs. Ft./Ft.
Conc. Splash Wall	0.44 C.Y.
Steel Splash Wall	9 Lbs.
Conc. Header	0.33 C.Y.

STANDARD DESIGN
LIP CURB-TYPES A, B & C AND CONCRETE SURFACE DRAIN (LOW POINT)
WISCONSIN HIGHWAY COMMISSION

Recommended for Approval: J. Crane, PLAN & SURVEY ENGR.

Approved: W. T. Bruton, STATE HIGHWAY ENGINEER

Date 7-1-47

C-42

SHEET NO. | TOTAL SHEETS

JOB NO.

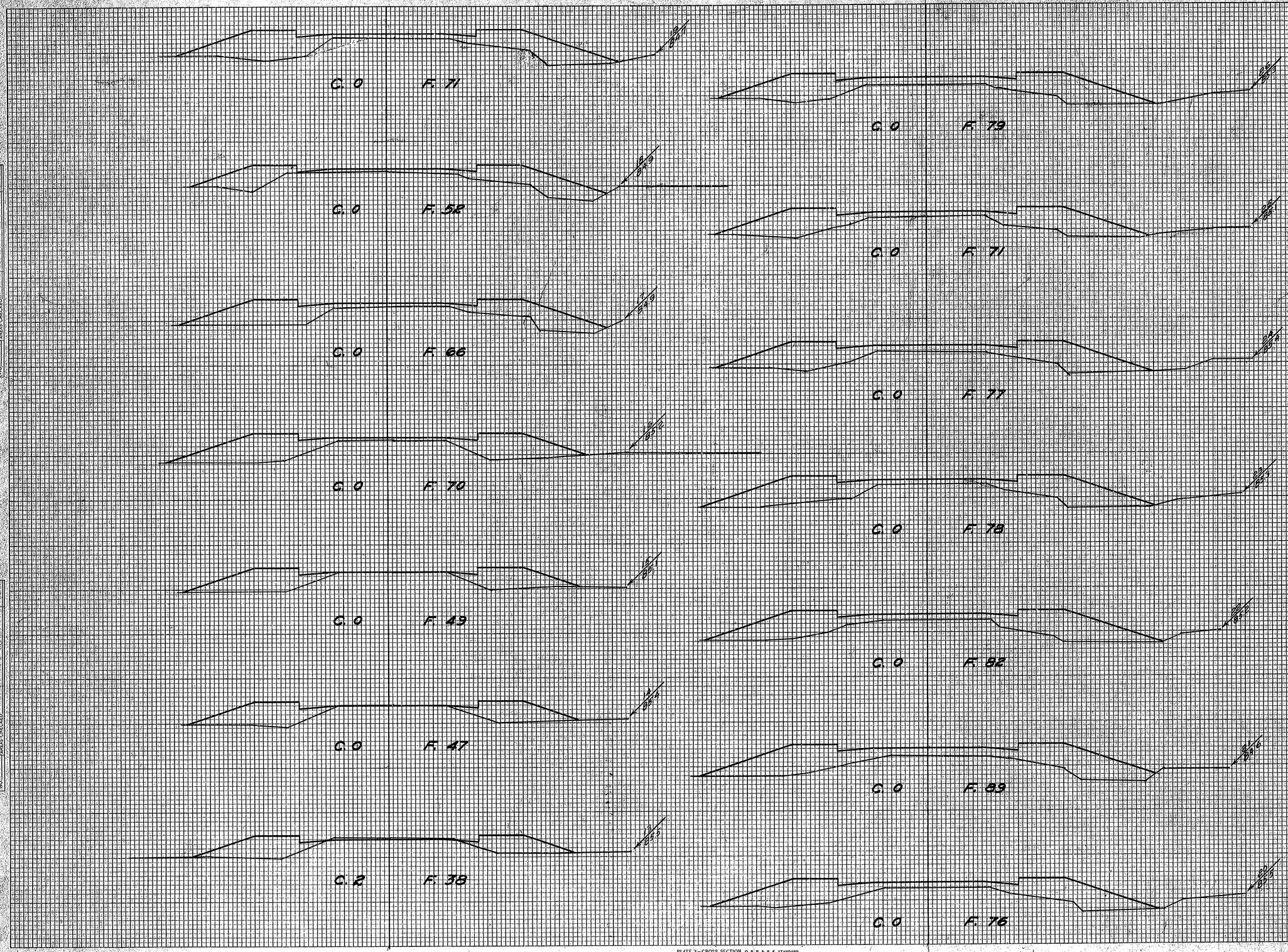
FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	24	68

DIVISION JOB NO. 3319

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT 2 ROCK	YARDAGE CUT 3 ROCK	YARDAGE TOTAL CUT	YARDAGE TOTAL FILL
0									
				23					54
1									
				41					63
2									
				37					22
3									
				87					18
4									
				61					35
5									
				48					43
6									
				57					43
7									
				70					37
8									
				39					52
9									
				35					78
10									
				24					72
11									
				20					61
12									

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	25	68

DIVISION JOB NO. 3319



STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE CUT S. ROCK	YARDAGE TOTAL	TOTAL FILL
12									
					13				122
13									
					4				157
14									
					0				178
15									
					0				220
16									
					0				252
17									
					0				219
18									
					0				228
19									
					0				272
20									
					0				306
21									
					0				317
22									
					0				296
23									
					0				287
24									
					0				274
25									
					0				278
26									
TOTAL					17				3406

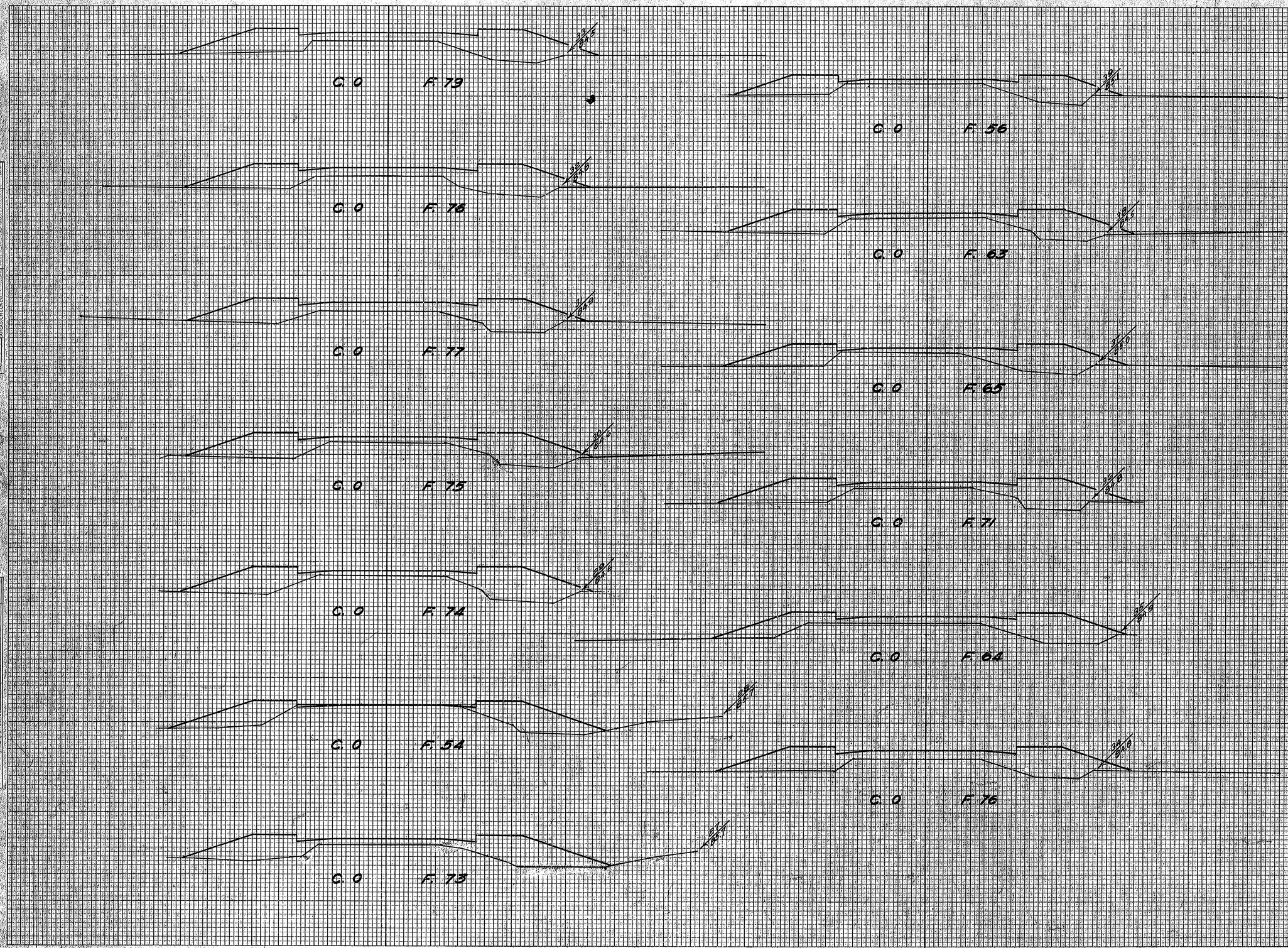
FINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK NO., BY, DATE

ORIGINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK NO., BY, DATE

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	26	68

DIVISION JOB NO. 3319



STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT L. ROCK	YARDAGE CUT S. ROCK	YARDAGE CUT TOTAL	YARDAGE TOTAL FILL
26									
					0				281
27									
					0				235
28									
					0				237
29									
					0				275
30									
					0				281
31									
					0				283
32									
					0				287
33									
					0				287
34									
					0				259
35									
					0				250
36									
					0				252
37									
					0				237
38									
					0				220
39									
TOTAL					0				3385

FINAL SURVEY — NOTEBOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTEBOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	27	69

DIVISION JOB NO. 3319

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

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

C. 16 F. 18

C. 16 F. 18

C. 17 F. 18

C. 20 F. 13

C. 11 F. 14

C. 7 F. 20

C. 0 F. 49

C. 25 F. 17

C. 25 F. 26

C. 13 F. 25

C. 32 F. 3

C. 55 F. 0

C. 37 F. 0

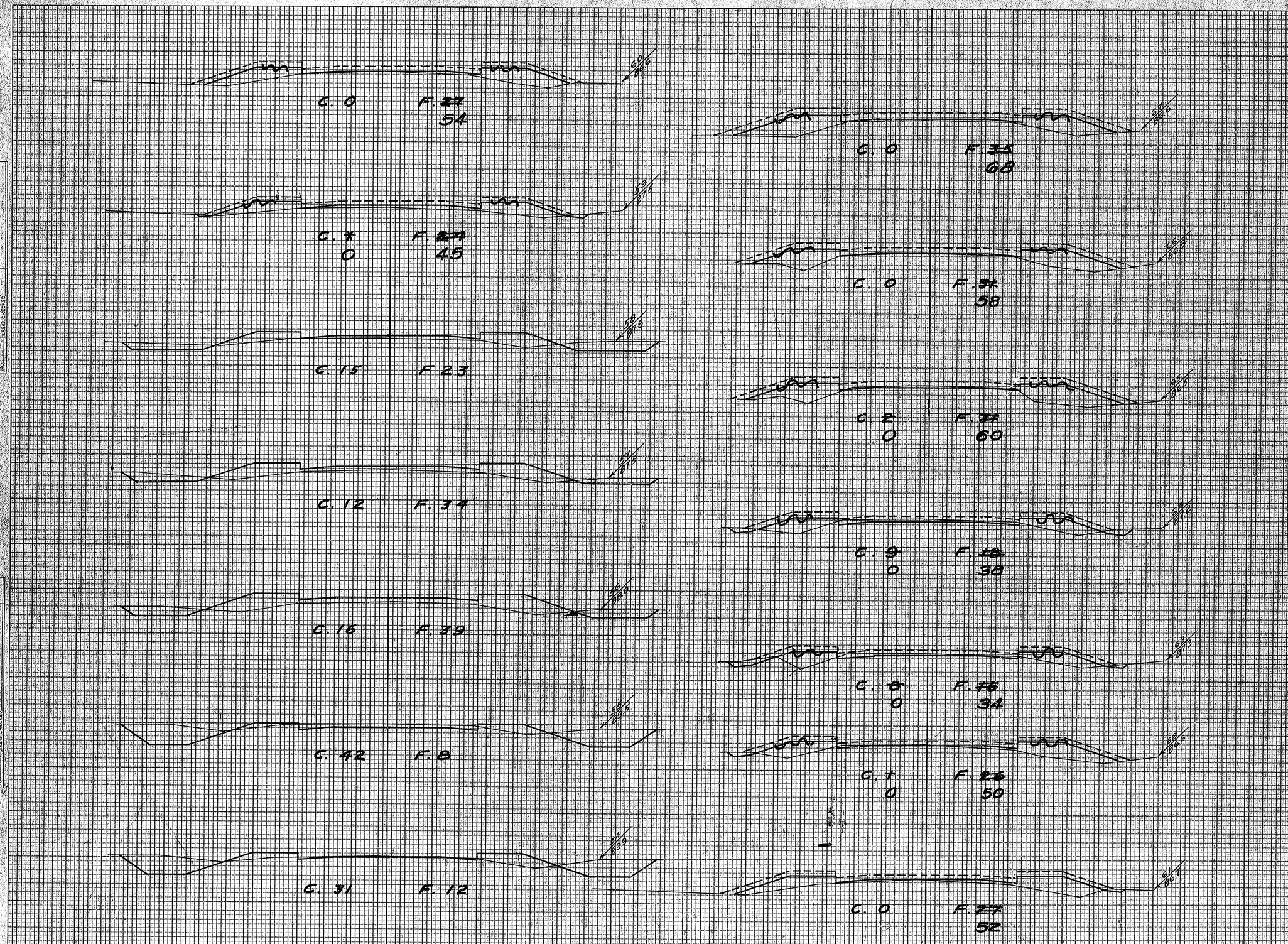
C. 16 F. 17

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE CUT TOTAL	YARDAGE FILL TOTAL
39								
				0				181
40								
				13				130
41								
				33				78
42								
				37				30
43								
				69				57
44								
				61				67
45								
				59				67
46								
				59				65
47								
				93				32
48								
				170				0
49								
				161				6
50								
				83				52
51								
				70				94
52								
				93				90
53								
TOTAL				1026				823
MILE / TOTALS				1675				8350
TOTAL								

PLATE 3—CROSS SECTION O. P. R. & P. R. STANDARD
KEUFFEL & ESSER CO., NEW YORK

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	28	68

DIVISION JOB NO. 3319



STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT L. ROCK	YARDAGE CUT S. ROCK	YARDAGE TOTAL	YARDAGE TOTAL FILL
53									
					104				54
54									
					135				37
55									
					107				87
56									
					52				135
57									
					50				105
58									
					28				126
					30				83
59									
					0				183
					2				94
60									
					0				196
									108
61									
					0				189
					2				96
62									
					0				156
					27				73
63									
					0				133
					37				63
64									
					0				186
					20				94
65									
					0				219
					4				113
66									
					0				233
									122
67									
TOTAL					476				2035

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — NOTE BOOK NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED — NOTE BOOK NO. — BY — DATE

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	29	68

DIVISION JOB NO. 3319

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE CUT S. ROCK	YARDAGE CUT TOTAL	YARDAGE FILL TOTAL FILL
67									
				0					261
									259
68									269
				0					259
69									241
				9					237
				4					
70									183
				56					225
				37					
71									94
				226					69
				197					
72									
				115					20
				228					
73									
				537					2
				538					
74									
				537					0
				539					
75									
TOTAL					1055 T			669	1079
					1080				

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

FINAL SURVEY — DATE — BY — SURVEYED — PLOTTED — NOTE BOOK — AREAS — AREAS CHECKED

ORIGINAL SURVEY — DATE — BY — SURVEYED — PLOTTED — NOTE BOOK — No. 5894 — AREAS — AREAS CHECKED

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	30	68

DIVISION JOB NO. 3319

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

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	BY Bishop Esser
TEMPLATE	
NOTE BOOK 5424	AREA
NO.	AREAS CHECKED

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT L. ROCK	YARDAGE CUT S. ROCK	YARDAGE TOTAL CUT	YARDAGE TOTAL FILL
75					574				
					325				0
76					429				
					239				9
77					349				
					153				70
					154				
					35				178
78					135				
					28				
79					17				130
80									
									154
81									
					82				108
82									
					161				80
83									
84									
TOTAL					1053				971
					1864				

PLATE 3—CROSS SECTION O. P. R. & P. E. STANDARD

KEUFFEL & ESSER CO. NEW YORK

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	31	68

DIVISION JOB NO. 3319

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREA	
NO.	AREA CHECKED

ORIGINAL SURFACE	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREA	
NO.	AREA CHECKED

BY Bishop
Engr

E 22
C 19

E 18
C 19

E 19
C 22

E 12
C 50

E 10
C 44

E 13
C 44

E 7
C 53

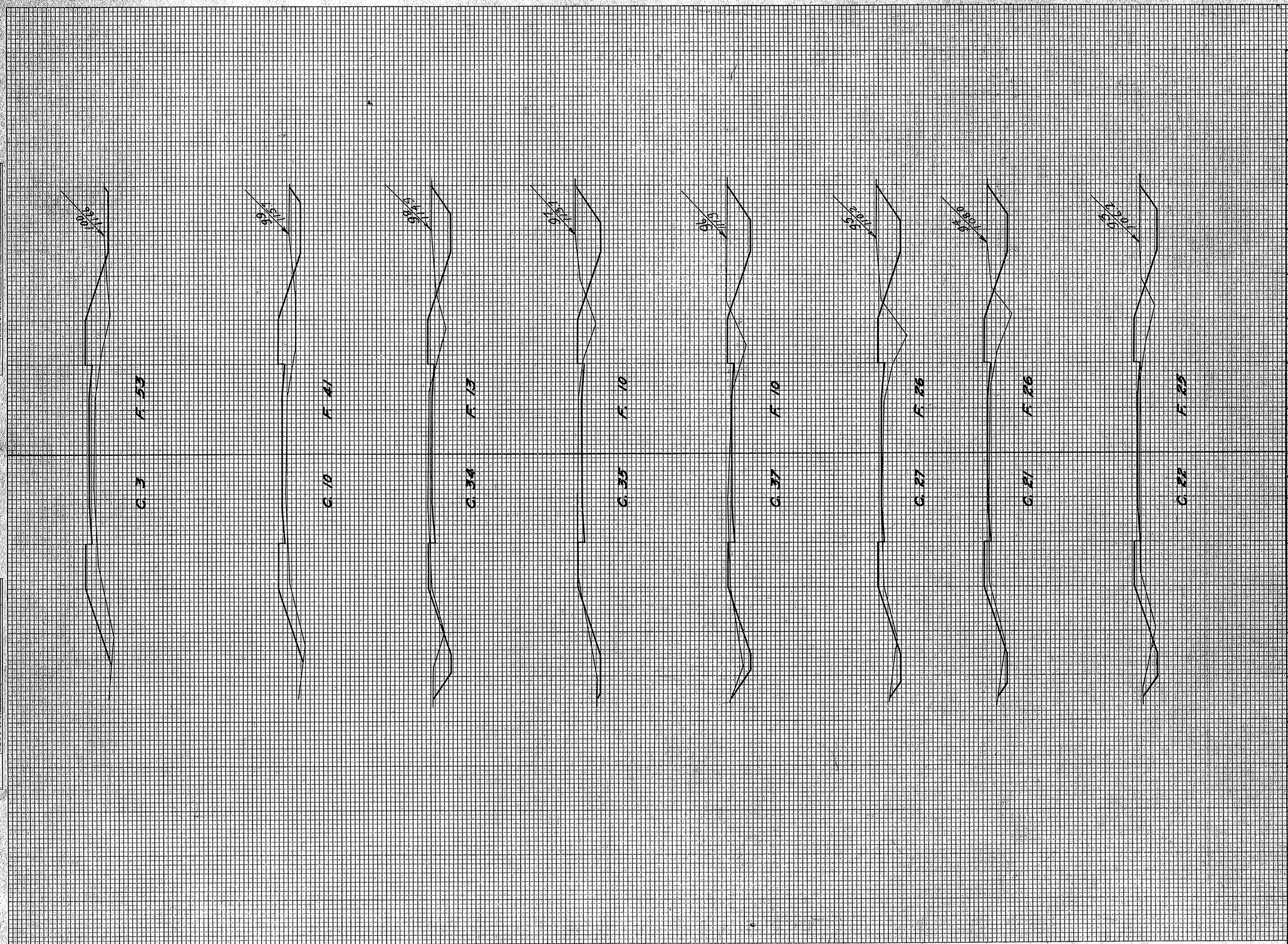
E 12
C 61

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE TOTAL	YARDAGE TOTAL FILL
84								
				220				55
86								
				214				36
86								
				180				37
87								
				163				43
88								
				137				41
89								
				96				57
90								
				70				68
91								
				59				74
92								
TOTAL					1136			410

PLATE 3—CROSS-SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	32	68

DIVISION JOB NO. 3319



STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT L. ROCK	YARDAGE CUT S. ROCK	YARDAGE TOTAL	TOTAL FILL
92									
					70				87
93									
					80				94
94									
					89				96
95									
					119				67
96									
					133				37
97									
					128				42
98									
					82				100
99									
					24				174
100									
TOTAL					725				697

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

ORIGINAL SURVEY — NOTE BOOK NO. 5484 — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY Bishop Ebert — DATE

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3519	32	68
	DIVISION	JOB NO.	3319	

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	YARDAGE CUT DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT LOOSE ROCK	YARDAGE CUT TOTAL	YARDAGE FILL TOTAL FILL
100								
				19				165
101								
				56				106
102								
				99				82
103								
				133				63
104								
				135				45
105								
				102				56
106								
				TOTAL	543			515
				MILE 2 TOTALS	5685			4453
					6646			5698
106								
				159				33
107								
				208				0
108								
				133				17
109								

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	24	68

DIVISION JOB NO. 3317

FINAL SURVEY — DATE
SURVEYED BY
PLOTTED
NOTE BOOK PAGES
AREAS CHECKED

ORIGINAL SURVEY — DATE
SURVEYED BY Bishop Esser
PLOTTED
NOTE BOOK PAGES
NO. 3317 AREAS CHECKED

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	YARDAGE DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT L. ROCK	YARDAGE CUT S. ROCK	YARDAGE CUT TOTAL	YARDAGE TOTAL FILL
109									
				83					66
110									
				87					80
111									
				116					46
112									
				102					74
113									
				63					115
114									
				67					89
115									
				67					72
116									
				41					104
117									
				56					91
118									
TOTAL				683					738

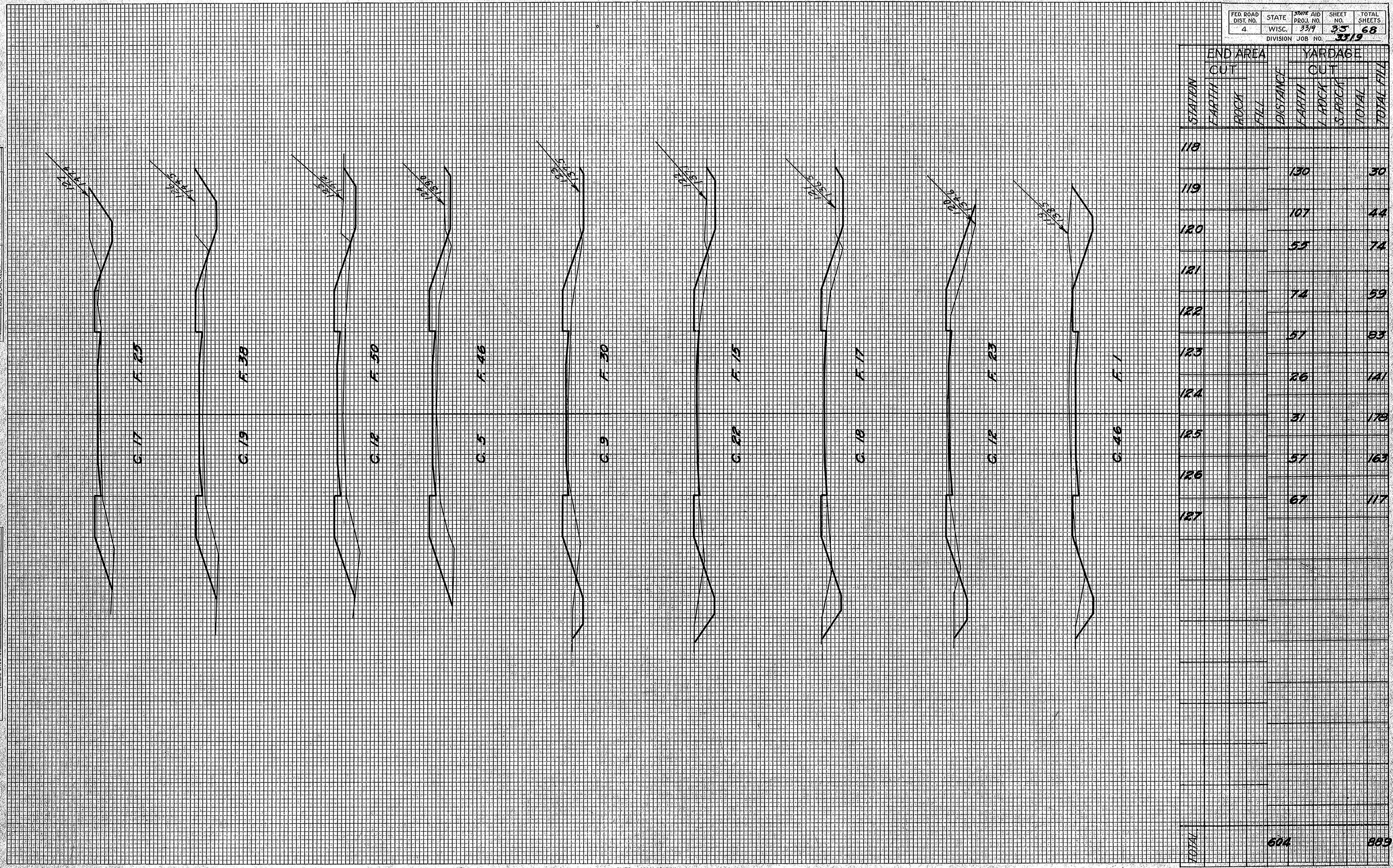
PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	35	68

DIVISION JOB NO. 3319

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

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

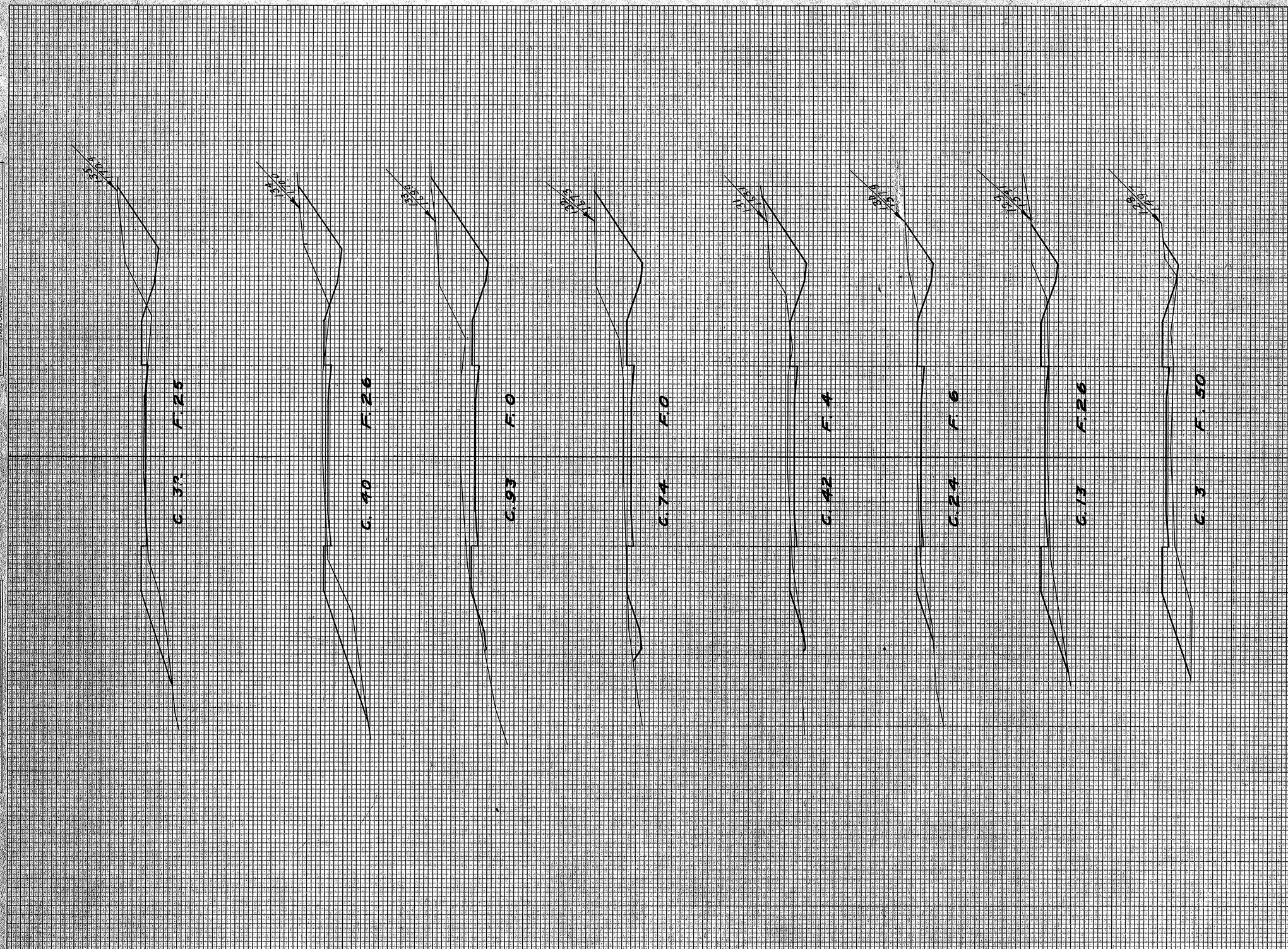


STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	YARDAGE DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT L. ROCK	YARDAGE CUT S. ROCK	YARDAGE CUT TOTAL	YARDAGE TOTAL FILL
118									
				130					30
119									
				107					44
120									
				55					74
121									
				74					59
122									
				57					83
123									
				26					141
124									
				31					178
125									
				37					163
126									
				67					117
127									
TOTAL				604					889

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	36	68

DIVISION JOB NO. 3319



STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT L. ROCK	YARDAGE CUT S. ROCK	YARDAGE TOTAL	TOTAL FILL
127									
					37				139
128									
					30				141
129									
					69				59
130									
					122				18
131									
					215				7
132									
					309				0
133									
					246				48
134									
					133				94
135									
TOTAL					1161				506

FINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED. NOTE BOOK NO. BY DATE

ORIGINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED. NOTE BOOK NO. BY DATE

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	.39 17	37	68
	DIVISION JOB NO.		3317	

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT LOOSE ROCK	YARDAGE CUT TOTAL	YARDAGE FILL TOTAL FILL
135								
				122				85
136								
				193				70
137								
				274				37
138								
				320				6
139								
				263				70
140								
				134				198
141								
				87				268
142								
TOTAL					1392			735

PLATE 3—CROSS SECTION. O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	38	65

DIVISION JOB NO. 3319 -1

END AREA CUT			YARDAGE CUT			
STATION	EARTH FILL	ROCK FILL	DISTANCE	EARTH	ROCK	TOTAL
142						
			33			220
143						
			11			121
144						
			9			91
145						
			7			108
146						
			0			124
147						
			0			161
148						
			93			805
149						
			238			175
150						
TOTAL			394			974

PLATE 3H-CROSS-SECTION C. P. R. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	30	68

DIVISION JOB NO. 2719

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE CUT TOTAL	YARDAGE FILL TOTAL
150								
					319			6
151								
					243			19
152								
					115			44
153								
					68			91
154								
					37			143
155								
					56			154
156								
					72			111
157								
TOTAL					910			570

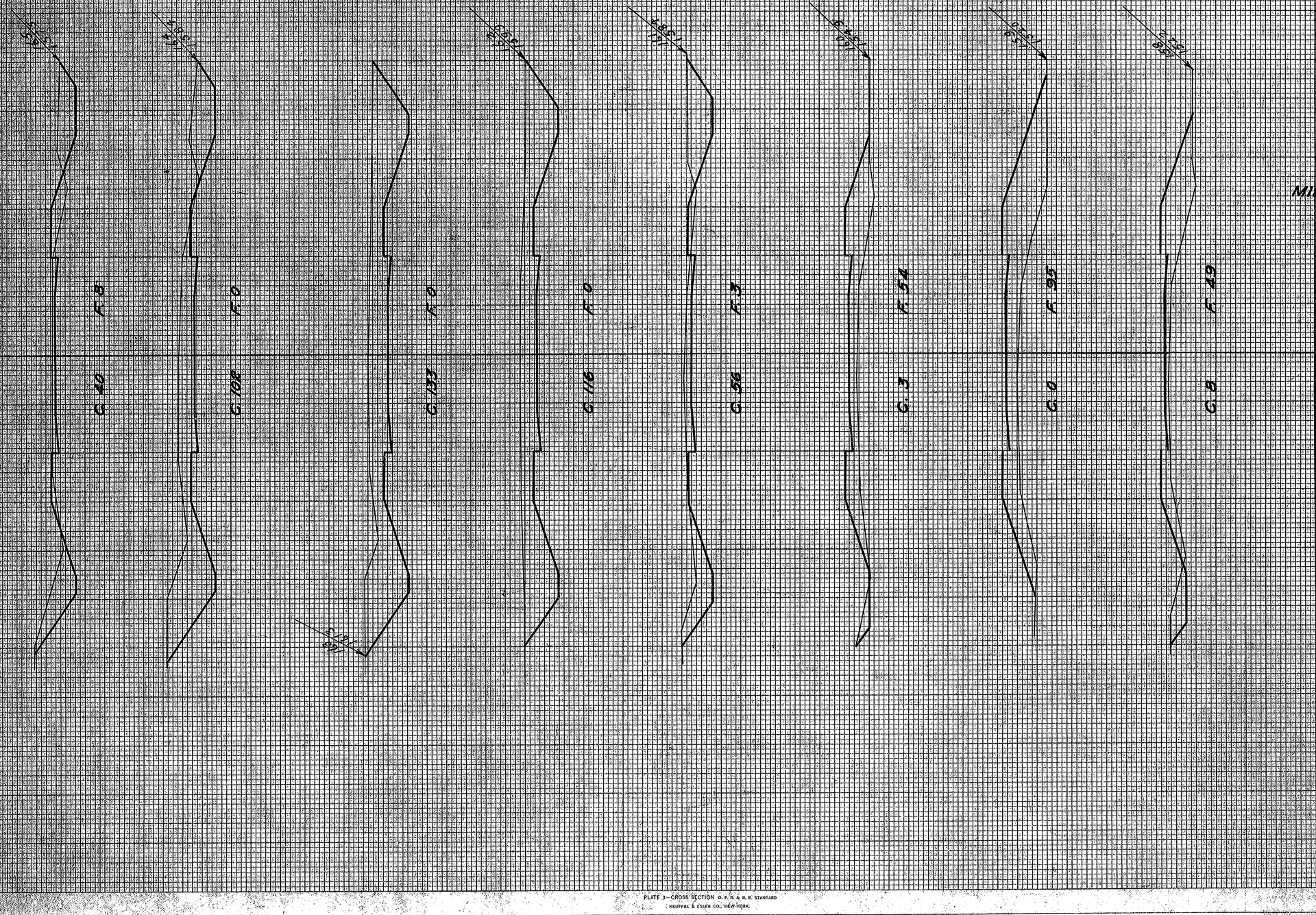
ORIGINAL SURVEY	BY	DATE
PLOTTED		
COMPUTED		
TRACED		
CHECKED		

FINAL	BY	DATE
SURVEY		
PLOTTED		
COMPUTED		
TRACED		
CHECKED		

PLATE 3 – CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	40	68
	DIVISION	JOB NO. 3319		



STATION	END AREA CUT	FILL	ROCK	EMBANK	DISTANCE	CUMUL	S. ROCK	EXCESS	WASTE	TOTAL CUT	TOTAL FILL
165											
166					50	50					
167					43	93					
168					42	135					
169					67	202					
170					76	278					
171					69	347					
172					42	389					
TOTAL										425	674

C 13 F 36

C 11 F 37

C 13 F 26

C 20 F 17

12 F 21 C 12

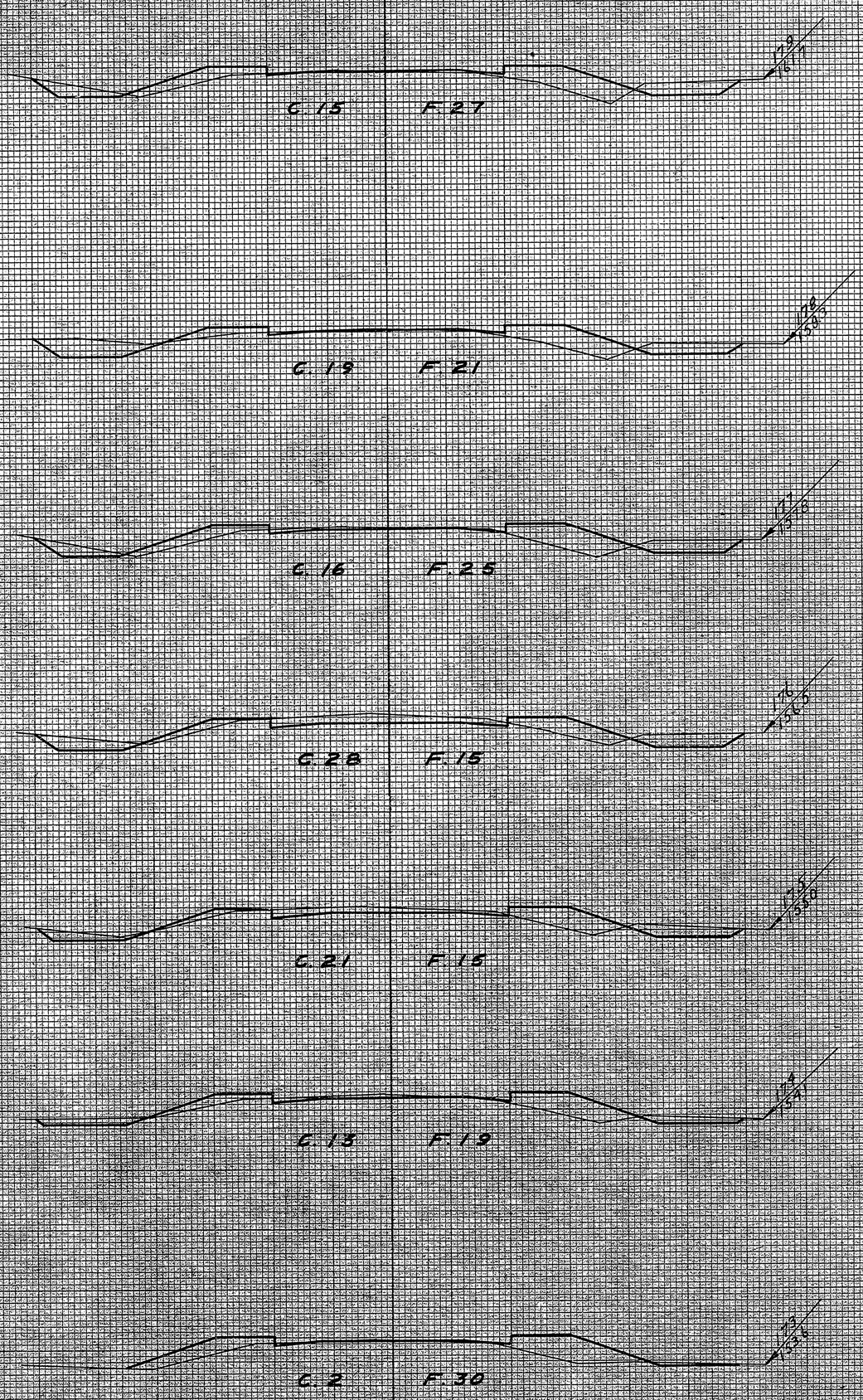
C 11 F 29

C 21 F 26

BLADE & C-CROSS SECTION O.P.R.R.E. STANDARD
ASSUME 4:1 SIDE COL PER FOOT.

ORIGINAL SURVEY				
NOTE BOOK NO.	SURVEYED			
	PLOTTED			
	TEMPLATE			
	AREAS			
	AREAS CHECKED			

FINAL SURVEY				
NOTE BOOK NO.	SURVEYED			
	PLOTTED			
	TEMPLATE			
	AREAS			
	AREAS CHECKED			



STATION	END AREA CUT EARTH	ROCK	FILL	DISTANCE	YARDAGE CUT EARTH	L. ROCK	S. ROCK	TOTAL	TOTAL FILL
179									
178									
177									
176									
175									
174									
173									
172									
TOTAL				417					562

FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	42	68

DIVISION JOB NO. 3319

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	43	68

DIVISION JOB NO. 3319

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	YARDAGE DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE CUT 5% ROCK	YARDAGE TOTAL	YARDAGE FILL
179									
				57					89
180									
				70					85
181									
				89					98
182									
				59					156
183									
				72					167
184									
				157					85
185									
				126					120
186									
TOTAL				630					796

PLATE V—CROSS SECTION U. S. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK

FED. ROAD DIST. NO.	STATE	State Aid PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	44	68

DIVISION JOB NO. 3319

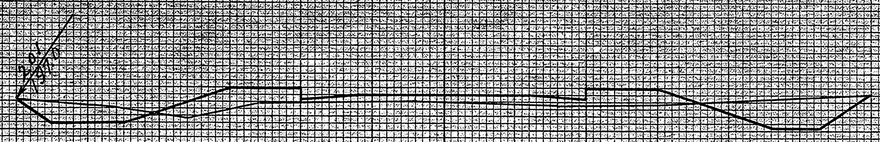
STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE FILL TOTAL	YARDAGE FILL TOTAL
186								
				43				237
187								
				82				196
188								
				141				80
189								
				224				18
190								
				339				0
191								
				369				0
192								
				172				6
193								
TOTAL					1310			537

PLATE 3 - CROSS SECTION C. P. R. & R. E. STANDARD

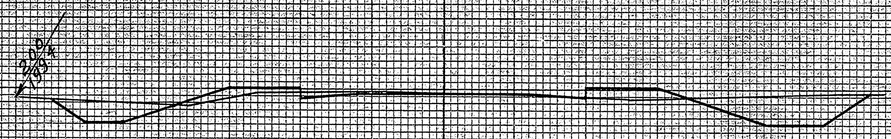
KEUFFEL & ESSER CO., NEW YORK.

ORIGINAL SURVEY				
NOTE BOOK NO.	SURVEYED			DATE
	PLOTTED			
	TEMPLATE			
	AREAS			
	AREAS CHECKED			

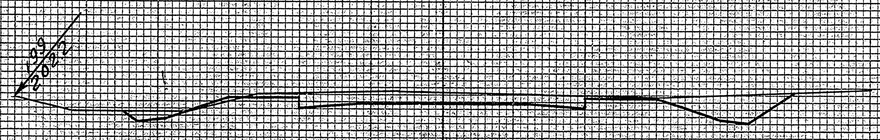
FINAL SURVEY				
NOTE BOOK NO.	SURVEYED			DATE
	PLOTTED			
	TEMPLATE			
	AREAS			
	AREAS CHECKED			



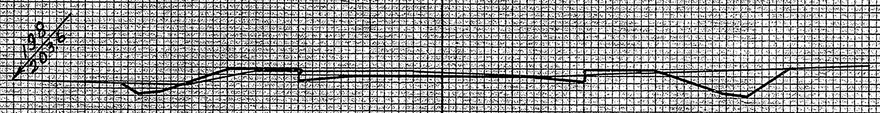
C. 26 F. 28



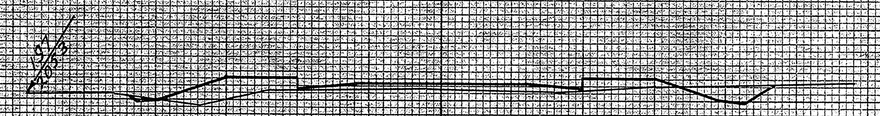
C. 28 F. 8



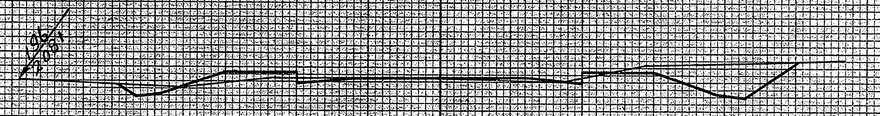
C. 33 F. 0



C. 19 F. 2

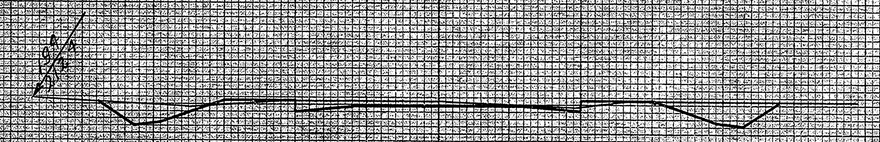


C. 5 F. 21



C. 18 F. 4

C. 24 F. 2



C. 21 F. 2

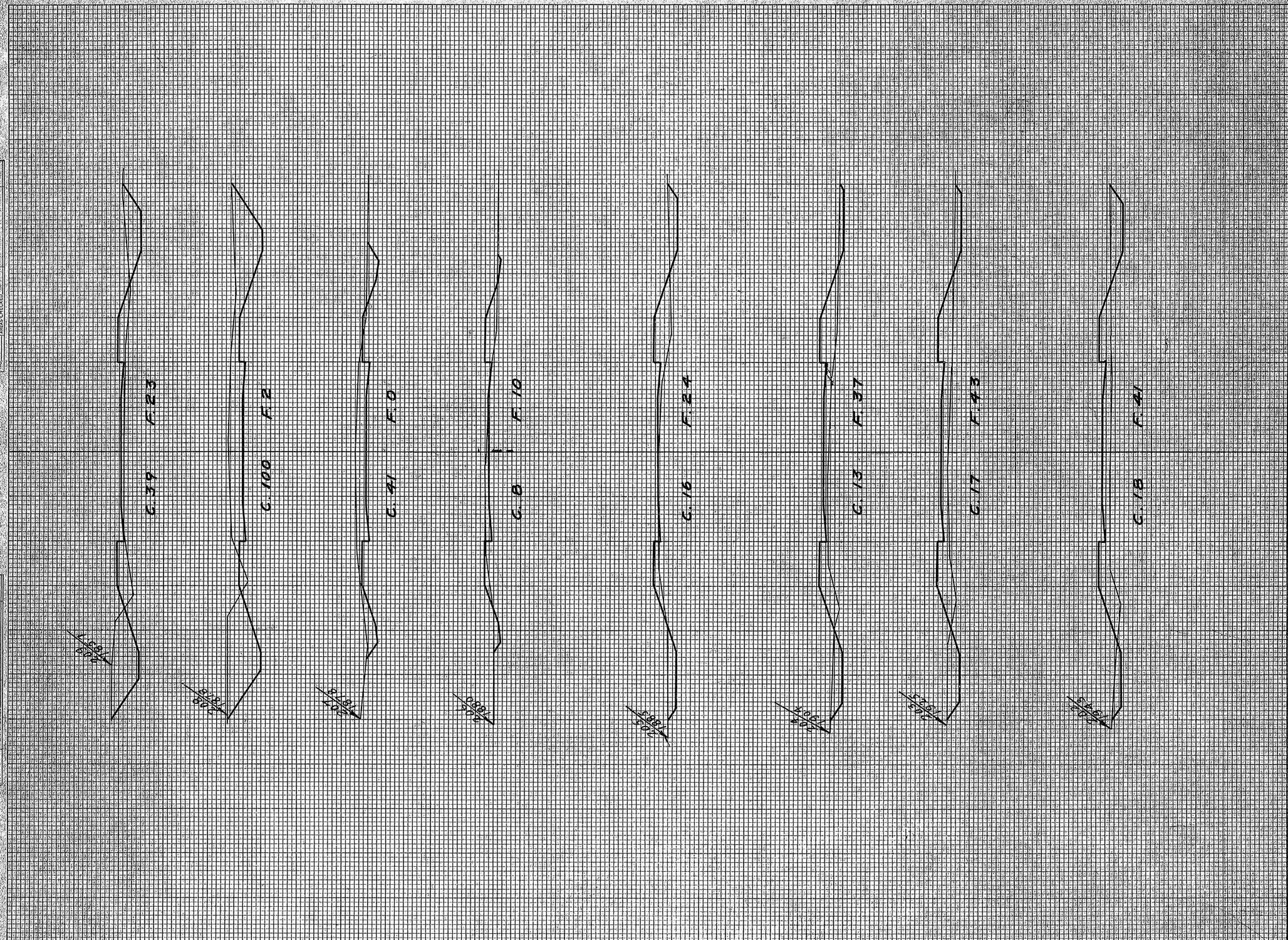
STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT L. ROCK	YARDAGE CUT S. ROCK	YARDAGE CUT TOTAL	YARDAGE TOTAL FILL
193									
194				89					9
195				83					7
196				78					11
197				44					46
198				43					43
199				96					4
200				113					15
201				100					67
TOTAL				646					202

FED. ROAD DIST. NO. 4 | STATE WISC. | STATE AID PROJ. NO. 337 | SHEET NO. 25 | TOTAL SHEETS 68

DIVISION 06 | NO. 3319

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	46	68

DIVISION JOB NO. 3319

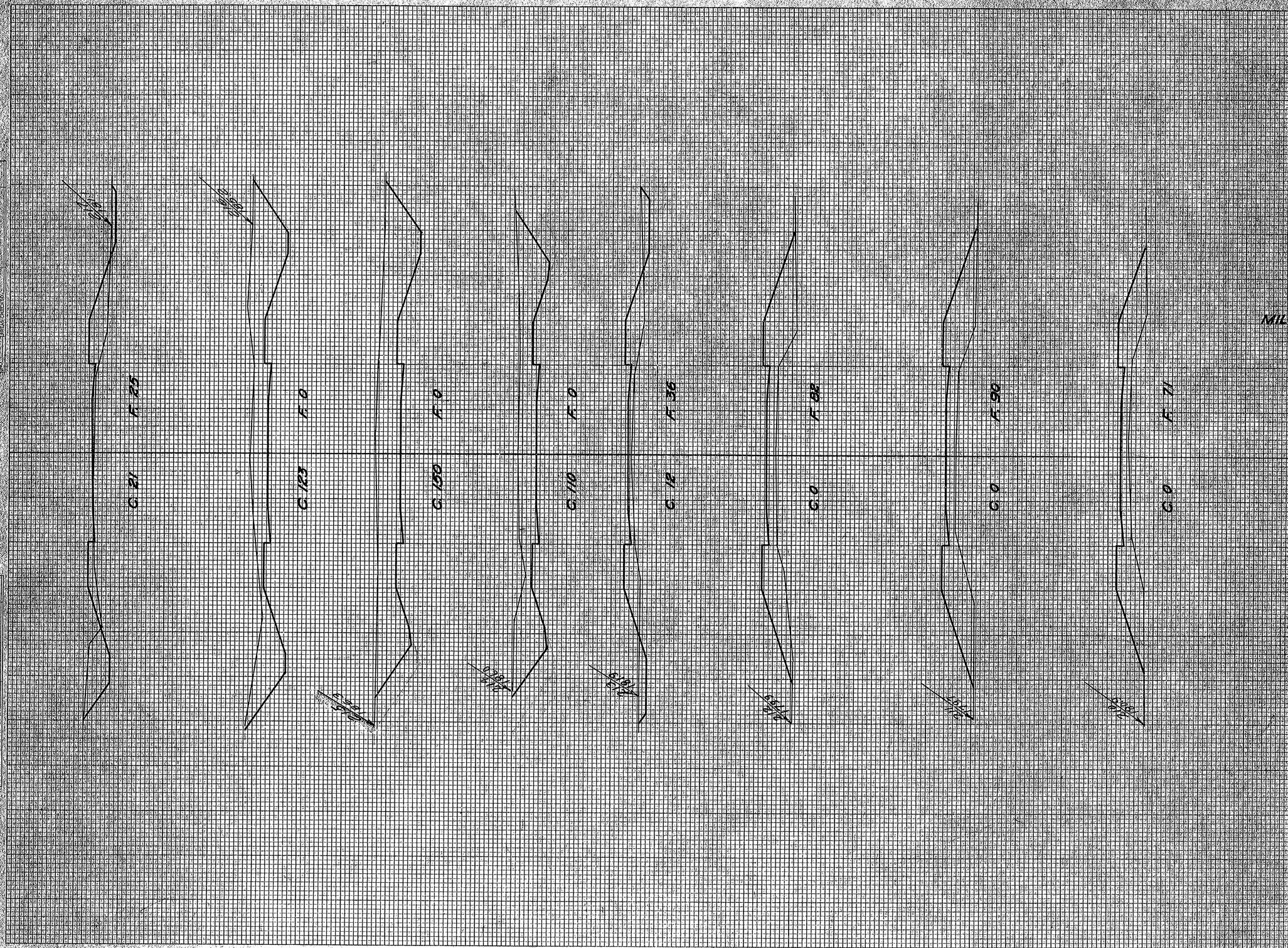


STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE CUT TOTAL	YARDAGE FILL
201								
					82			128
202								
					65			156
203								
					56			148
204								
					54			113
205								
					44			63
206								
					91			18
207								
					261			4
208								
					257			46
209								
TOTAL					910			676

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	47	68

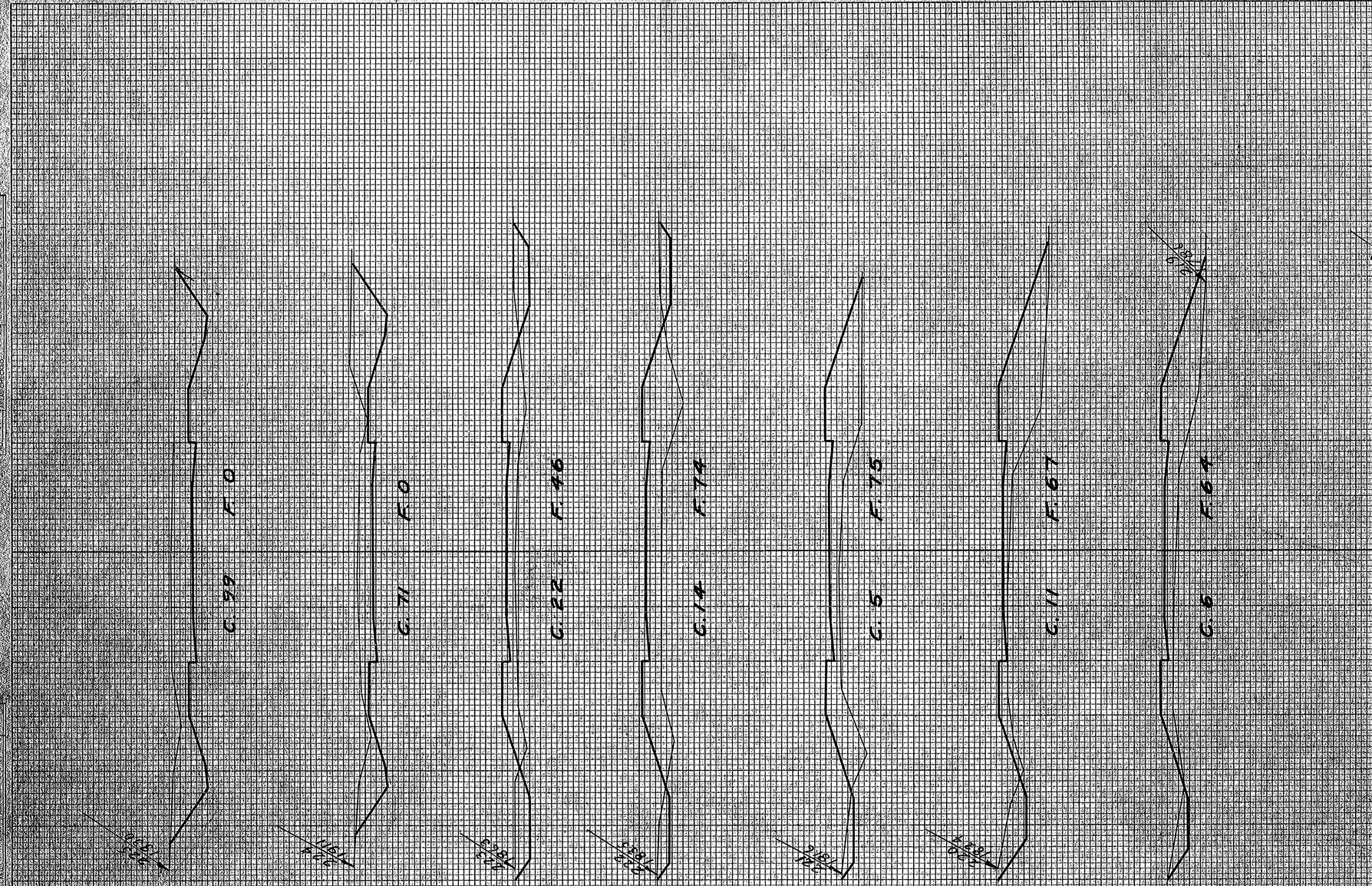
DIVISION JOB NO. 3319



STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT L. ROCK	YARDAGE CUT S. ROCK	YARDAGE TOTAL	YARDAGE TOTAL FILL
209									
					72				174
210									
					0				298
211									
					0				319
212									
TOTAL					72				790
MILE 4 TOTALS					6003				4640
211									
					[illegible]				[illegible]
212									
					22				219
213									
					226				67
214									
					481				0
215									
					306				0
216									
					267				46
217									
TOTAL					1502				[illegible]

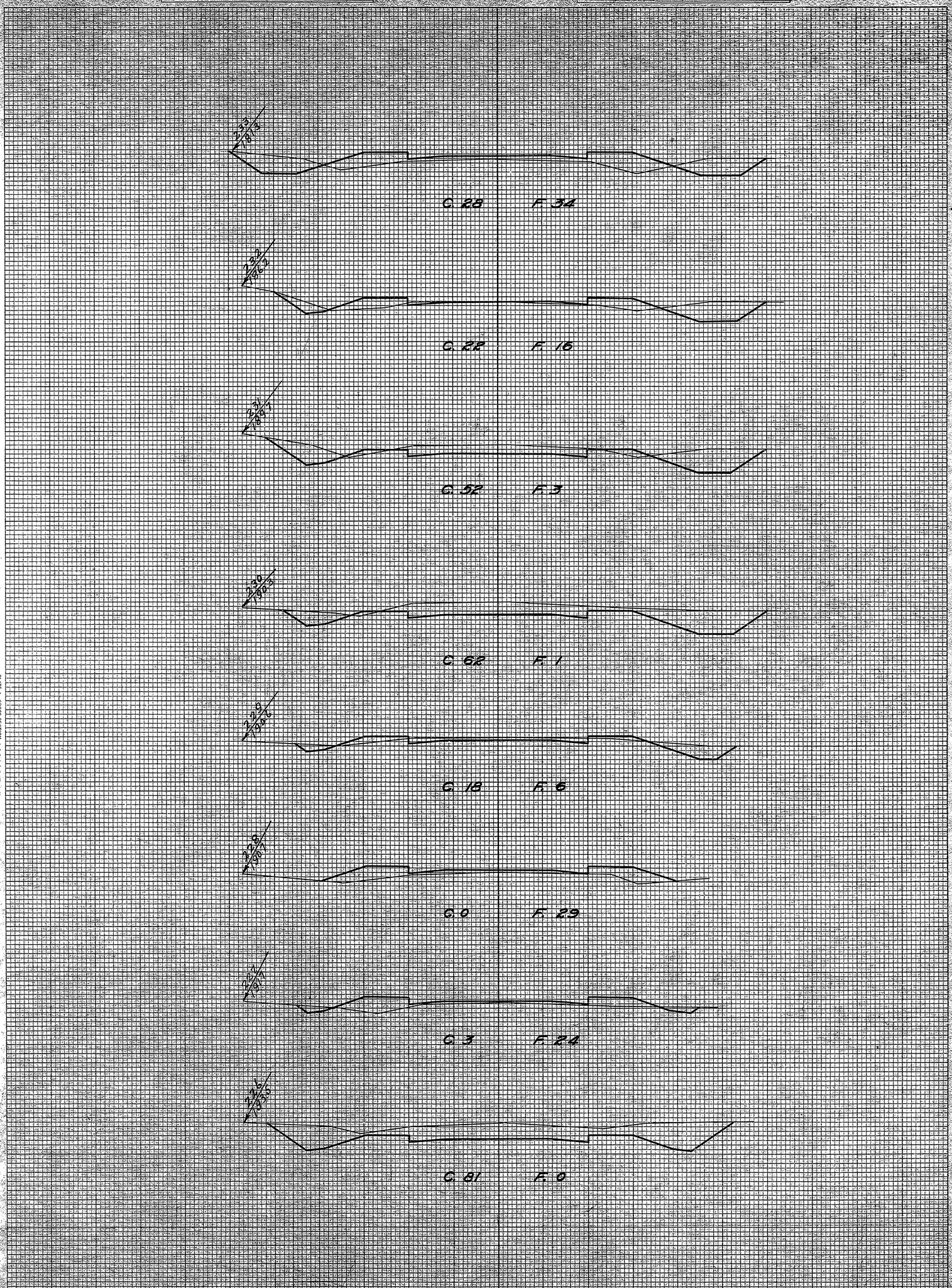
PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	28	65
	DIVISION	JOB NO.	3319	



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

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



STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	YARDAGE DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT L. ROCK	YARDAGE CUT S. ROCK	YARDAGE CUT TOTAL	YARDAGE TOTAL FILL
225									
226				333					0
227				6					44
228				33					98
229				148					63
230				211					13
231				137					7
232				92					35
233									93
TOTAL				1115					355

FED. ROAD DIST. NO. 4 | STATE WISC. | DATA AND PROJ. NO. 3319 | SHEET NO. 49 | TOTAL SHEETS 68

DIVISION OF HIGHWAYS JOB NO. 3319

PLATE 3—CROSS SECTION O. P. R. & E. STANDARD
KEUFFEL & ESSER CO. NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	50	68

DIVISION JOB NO. 3275

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE CUT CORRCTN	YARDAGE CUT TOTAL	YARDAGE FILL TOTAL
233									
					94				133
234									
					78				113
235									
					65				85
236									
					65				78
237									
					70				80
238									
					65				96
239									
					67				93
240									
					89				68
241									
TOTAL					593				746

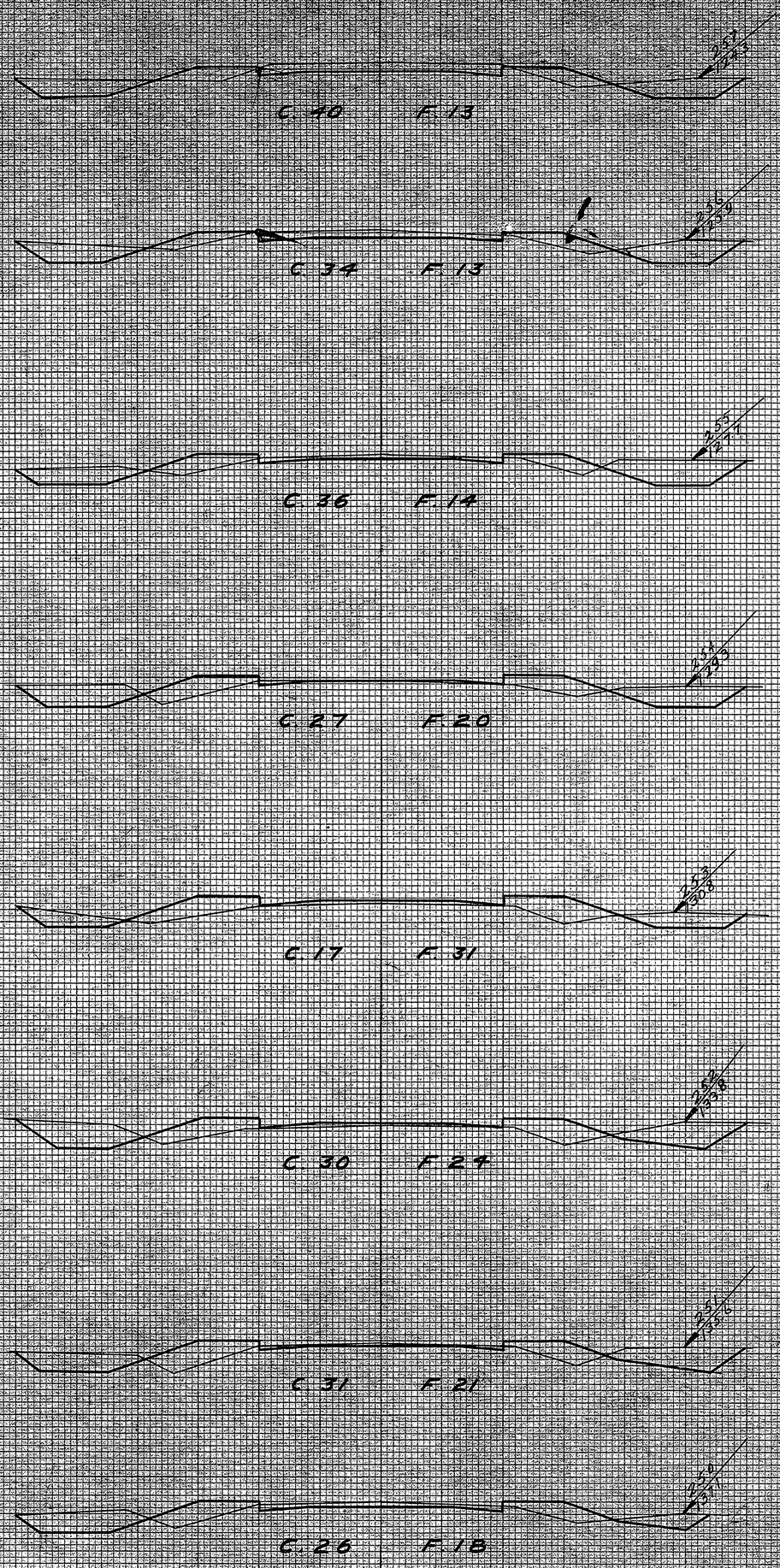
PLATE 31 - CROSS SECTION - A.A.S.H.O. & A.R.E. STANDARD
KRUEGER & KESSEL CO., NEW YORK

FED. ROAD DIST. NO.	STATE	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	2212	57	66
	DIVISION	208 NO.	2 212	

FINAL SURVEY
SCALES: 1 INCH = 10 FEET
NOTE: ALL AREAS CHECKED
DATE: 1918
DRAWN: [illegible]
TRACED: [illegible]
CHECKED: [illegible]

END AREA				EARTHWORK			
	CUT			CUT			
STATION	EARTH SQ. FT.	ROCK SQ. FT.	EMBANKMENT SQ. FT.	EARTH CU. YDS.	ROCK CU. YDS.	EMBANKMENT CU. YDS.	REMARKS
241							
				131		32	
242							
				130		61	
243							
				61		68	
244							
				43		65	
245							
				61		34	
246							
				91		135	
247							
				91		43	
248							
				54		83	
249							
TOTAL				663		461	

PLATE 3.—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.



STATION	249	250	251	252	253	254	255	256	257	TOTAL
END AREA CUT FARTH										
END AREA CUT ROCK										
END AREA FILL										
DISTANCE		72	106	113	87	81	117	130	137	843
YARDAGE CUT F. ROCK										
YARDAGE CUT S. ROCK										
YARDAGE CUT TOTAL										
TOTAL FILL	89	72	83	102	94	63	50	48		601

FED. ROAD DIST. NO. 4 | STATE WISC. | STPR-AID PROJ. NO. 3319 | SHEET NO. 52 | TOTAL SHEETS 68

DIVISION JOB NO. 3319

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	53	68
	DIVISION JOB NO.		3319	

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	YARDAGE CUT DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE CUT TOTAL	YARDAGE FILL TOTAL
257								
				100	135		135	52
258								
				100	74		74	72
259								
				100	13		13	119
260								
				100	20		20	124
261								
				100	79		79	91
262								
				100	122		122	72
263								
				100	124		124	50
264								
				100	89		89	89
265								
				TOTAL	656		656	769
				MILE 5 TOTALS	6104		6104	4617
265								
				100	63		63	81
266								

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	54	66

DIVISION JOB NO. 3319

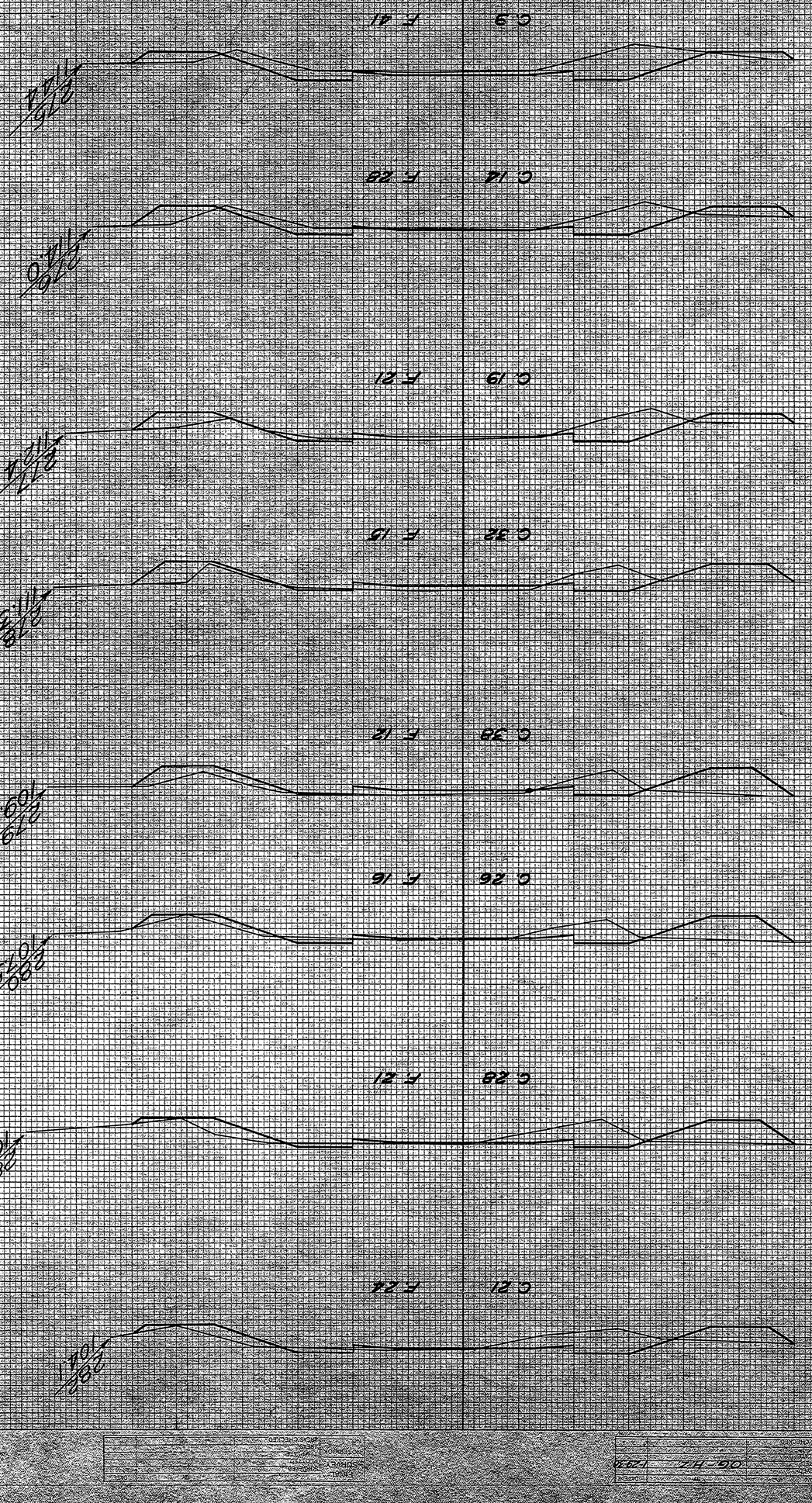
STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	YARDAGE DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE TOTAL	YARDAGE FILL
265								
				25				34
267								
				100				50
268								
				113				57
269								
				135				50
270								
				107				44
271								
				118				39
273								
				133				34
274								
				83				93
TOTAL				679				441

PLATE 9 - CROSS SECTION O.P.R. & R.E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE PROJ. NO.	SHEET NO.	TOTAL SHEETS
2	WISC.	330	55	28
	DIVISION	JOB NO.	3319	

STATION	END AREA CUT						YARDAGE CUT						
	EARTH	ROCK	FILL	DISTANCE	EARTH	L. ROCK	S. ROCK	TOTAL	TOTAL ADJ.				
226									63				
227					41				28				
228					43				16				
229					19				67				
230					94				54				
231					120				82				
232					219				88				
TOTAL					700				391				422



BASE X-CROSS SECTION OF FILL & EXCAVATION
(SLOPES, 1½ TO 1 UNLESS OTHERWISE NOTED)

FED. ROAD DIST. NO.	STATE	STATE AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3317	56	68

DIVISION JOB NO. 3317

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	YARDAGE CUT EARTH DISTANCE	YARDAGE CUT EARTH YARDS	YARDAGE CUT ROCK YARDS	YARDAGE FILL YARDS
282							
				70			89
283							
				78			73
284							
				38			67
285							
				100			74
286							
				83			81
287							
				82			79
288							
				87			74
289							
				104			54
290							
TOTAL				702			595

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	57	68

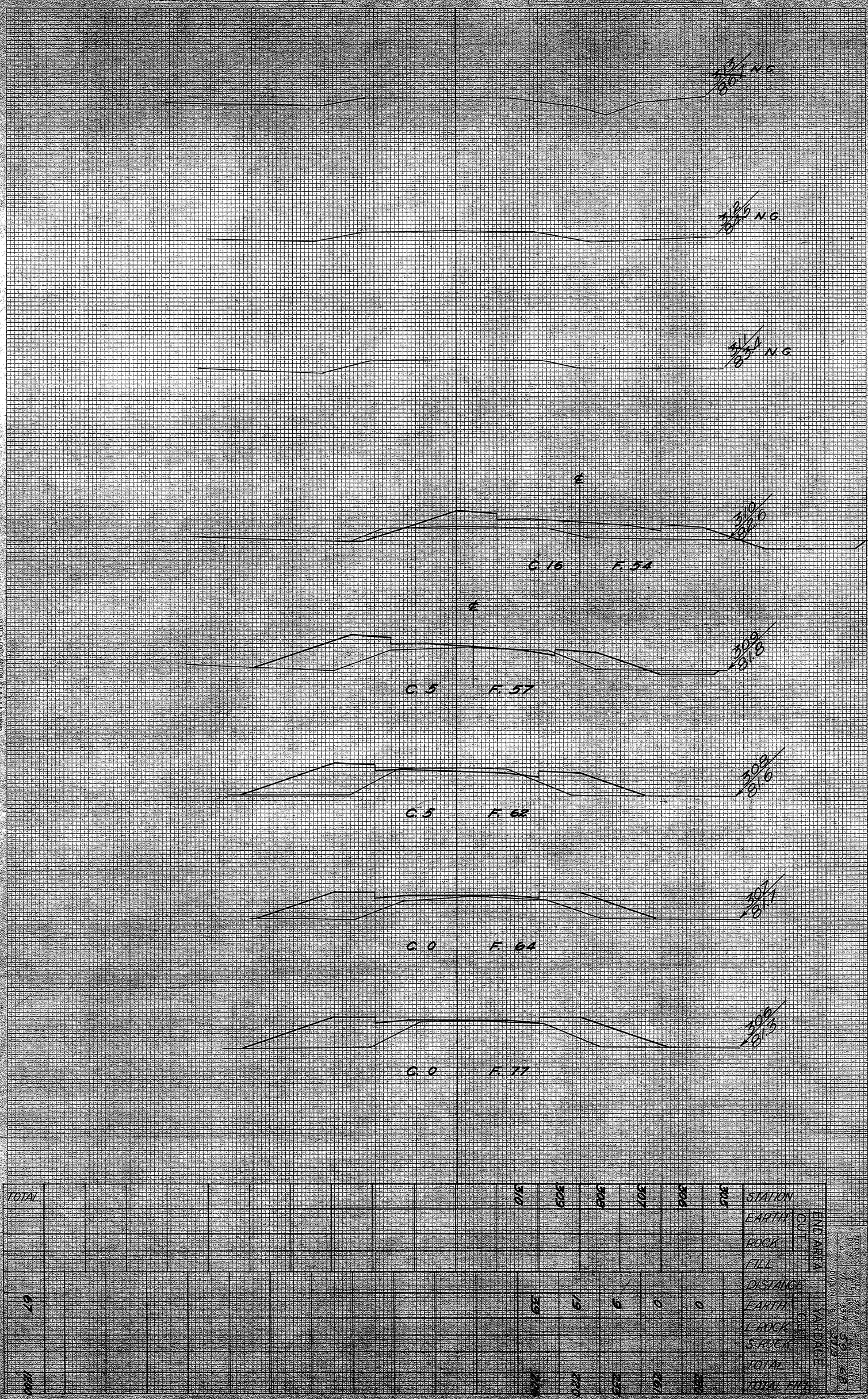
DIVISION JOB NO. 3319

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	DISTANCE	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE FILL TOTAL REDUCED
290							
				128			43
291							
				163			41
292							
				120			37
293							
				137			56
294							
				94			81
295							
				63			59
296							
				97			59
297							
TOTAL					854		400

PLATE 5 — CROSS SECTION - D. F. P. R. & P. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	9317	58	68

DIVISION JOB NO. 3319



N.G.
N.G.
N.G.
C. 16 F. 54
C. 5 F. 57
C. 5 F. 62
C. 0 F. 64
C. 0 F. 77
TOTAL
STATION
EARTH
ROCK
FILL
DISTANCE
EARTH
L. ROCK
S. ROCK
TOTAL
TOTAL FILL
END AREA
CUT
YARDAGE
CUT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WIS.	33/9	60	68

DIVISION JOB NO. 5519

STATION	END AREA CUT EARTH	END AREA CUT ROCK	DISTANCE FILL	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE CUT TOTAL	YARDAGE FILL TOTAL
310							
				59			233
311							
				117			208
312							
				231			82
313							
				259			48
314							
				180			117
315							
				119			185
316							
				100			206
317							
				82			250
318							
TOTAL				1147			1336
MILE-6				4636			5950
TOTAL							

PLATE 3 - CROSS SECTION - C. P. R. R. R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK

FED. ROAD DIST. NO.	STATE	STATE AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	13/9	61	68

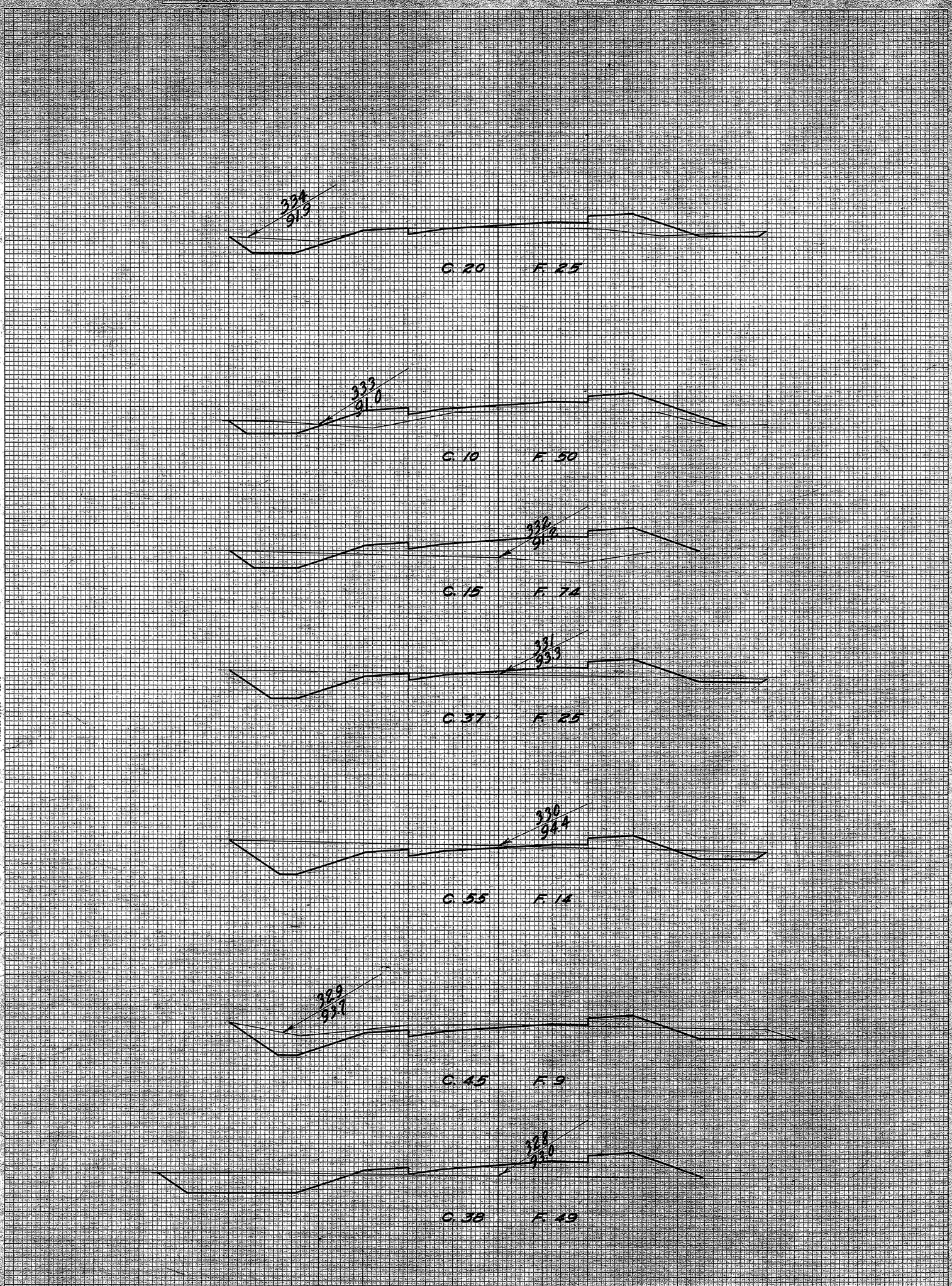
DIVISION JOB NO. 5330

STATION	END AREA CUT EARTH	END AREA CUT ROCK	END AREA FILL	YARDAGE CUT EARTH	YARDAGE CUT ROCK	YARDAGE FILL CORRECTED EARTH	YARDAGE FILL CORRECTED ROCK
318							
				128		192	
310							
				183		113	
320							
				200		108	
321							
				236		30	
322							
				400		9	
323							
				643		0	
324							
				789		0	
325							
				561		20	
326							
				274		56	
327							
TOTAL				3413		548	

FINAL SURVEY	SURVEYED	DATE
	PLOTTED	
	TRACED	
NOTE BOOK	CHECKED	
NO.	RECOMMENDED	

ORIGINAL SURVEY	SURVEYED	DATE
	PLOTTED	
	TRACED	
NOTE BOOK	CHECKED	
NO.	RECOMMENDED	

PLATE 8 — CROSS SECTION 4' P.C.A.W.E. STANDARD
WATER LEVEL BY VISUAL OBSERVATION



STATION	334	333	332	331	330	329	328	327
END AREA CUT EARTH								
END AREA CUT ROCK								
END AREA FILL								
DISTANCE								
YARDAGE CUT EARTH	56	46	96	170	185	154	204	
YARDAGE CUT L. ROCK								
YARDAGE CUT S. ROCK								
YARDAGE CUT TOTAL								
YARDAGE FILL TOTAL	139	230	183	72	43	107	126	
TOTAL								

FED. ROAD DIST. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	33.19	62	68

DIVISION JOB No. 3319

PLATE 3 - CROSS SECTION, U. P. R. R. & R. & S. RAILROAD
KEUFFEL & ESSER CO., NEW YORK

ORIGINAL SURVEY			
NOTE BOOK No. 5484	INSPECTED / PLOTTED / TEMPLET / AREAS / AREAS CHECKED	O.G. H.Z.	1-29-34

FINAL SURVEY			
NOTE BOOK No.	INSPECTED / PLOTTED / TEMPLET / AREAS / AREAS CHECKED		

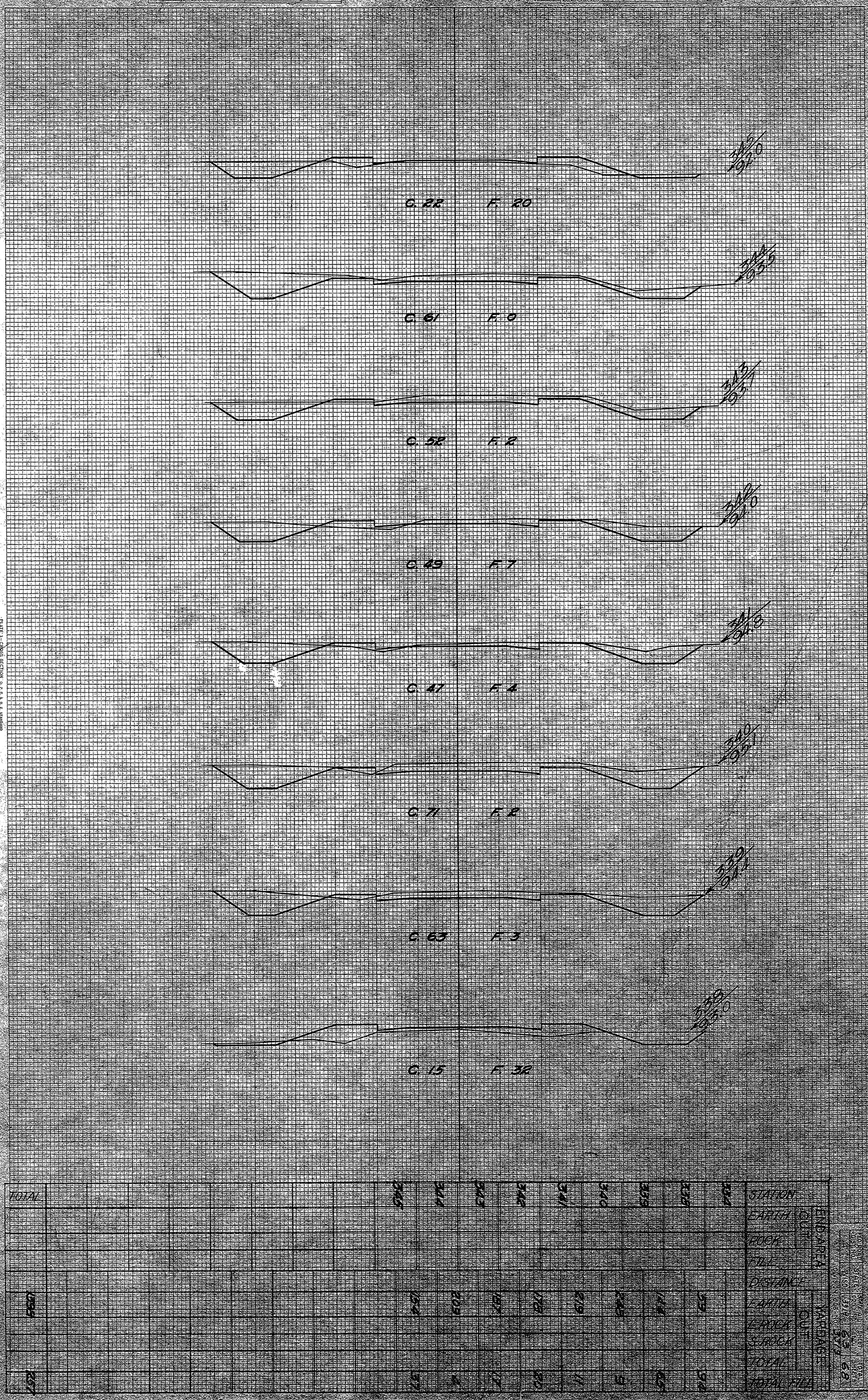
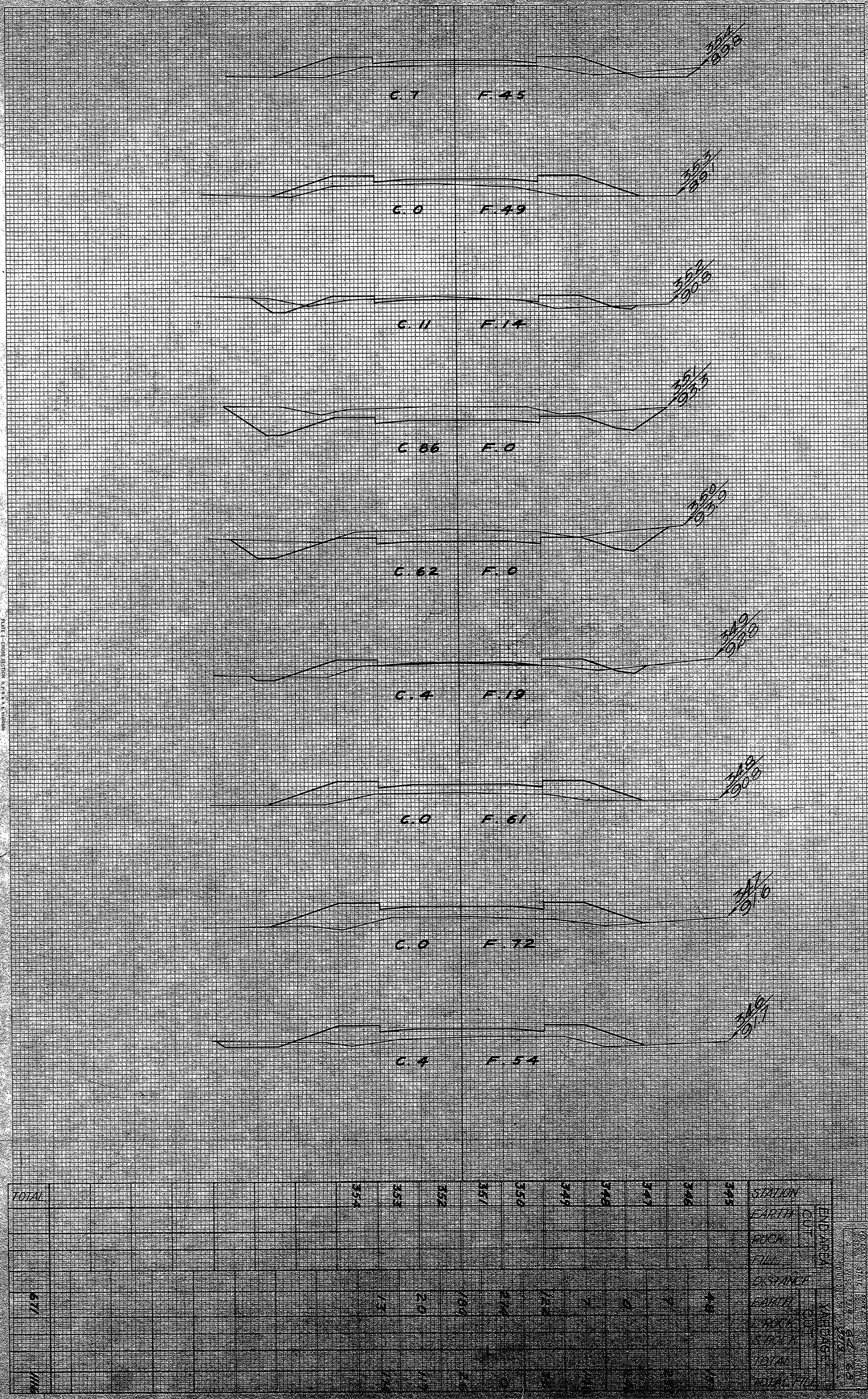


PLATE 3 - CROSS SECTION O. P. R. R. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK

ORIGINAL SURVEY			
NOTE BOOK NO. 5484		O.G. - H.Z.	1-29-30



FED. ROAD DIST. NO.	STATE	STATE PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3379	65	68

DIVISION JOB NO. 3379

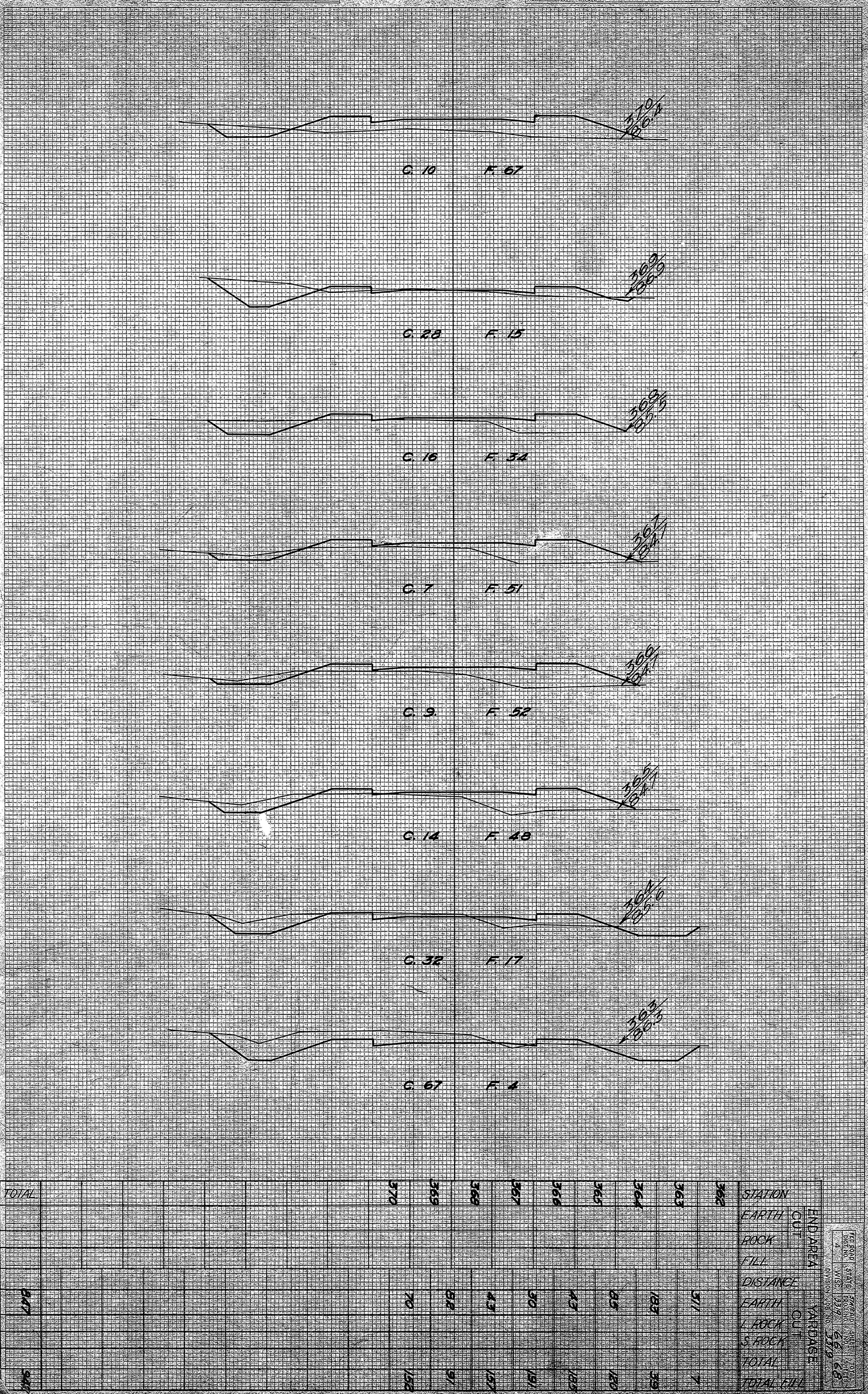
STATION	END AREA CUT	YARDAGE CUT
		DISTANCE
		CUBIC
		SHRINK
		TOTAL
		TOTAL CUM.
354		
		99
355		
		198
356		
		97
357		
		107
358		
		93
359		
		59
360		
		119
361		
		267
362		
TOTAL		859

PLATE 3 – CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK

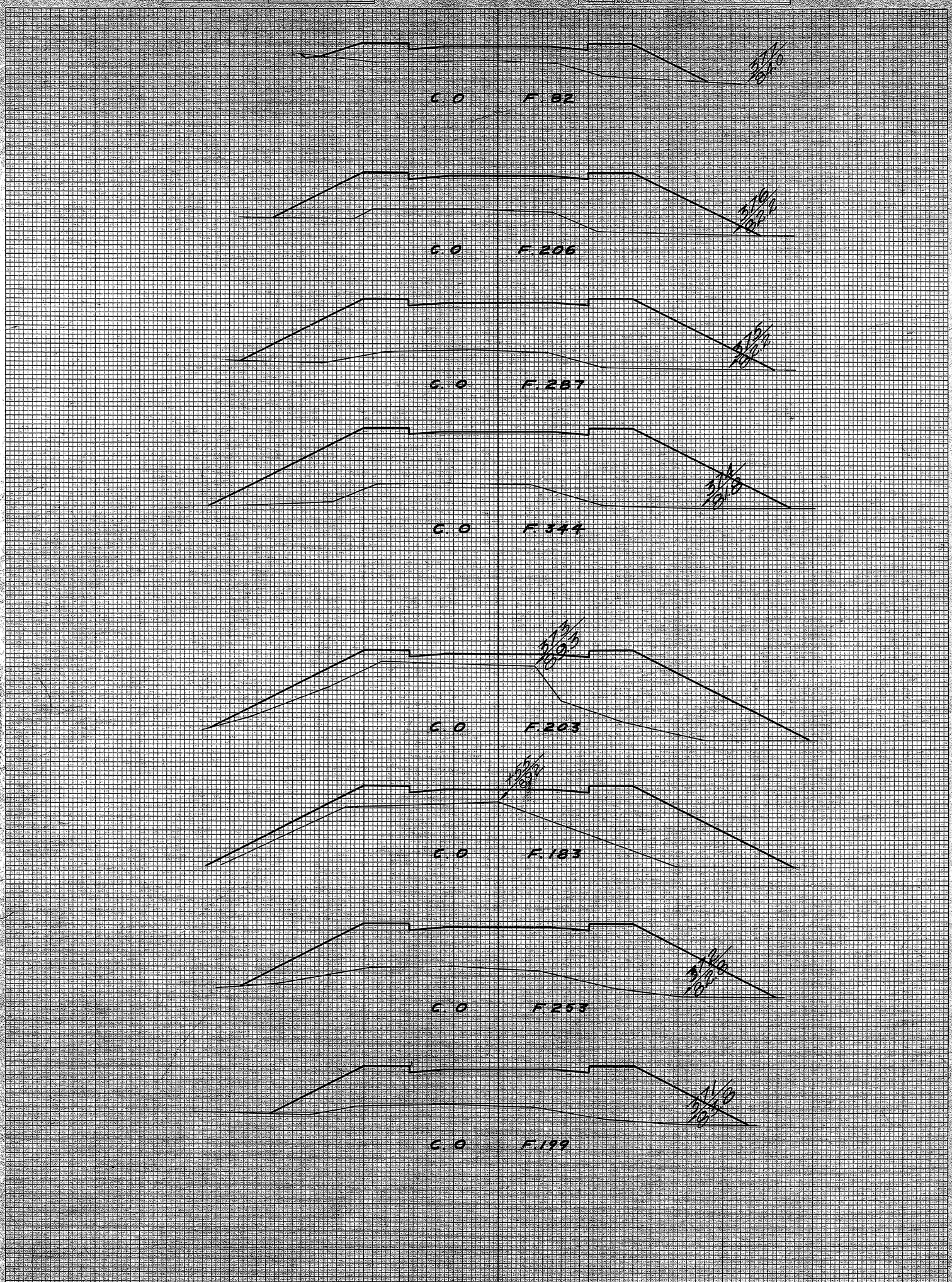
ORIGINAL SURVEY			
NOTE BOOK NO. 5484	SURVEYED		
	PLOTTED	O.G.-H.Z.	1-29-30
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY			
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY			
NOTE BOOK NO. 5484	SURVEYED	O.G.H.Z.	1-29-30
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY			
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



STATION	370	371	372	+55	+79	373	374	375	376	377	TOTAL
EARTH											
ROCK											
FILL											
DISTANCE											
EARTH	19	8148	0	0	0	0	0	0	0	0	0
L. ROCK											
S. ROCK											
TOTAL											
TOTAL FILL	473	4854	837	444	82	80	1013	1169	713	633	5071

END AREA — CUT

YARDAGE — CUT

MILE-7

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	3319	67	68

DIVISION JOB NO. 3319

FED. ROAD DIST. NO. 4	STATE WIS.	DIVISION	

END AREA CUT

STATION	DISTANCE	CUT
377		
	178	
378		
	156	
379		
	615	
380		
	139	
381		
	91	
382		
	4	
383		
	6	17
384		
	18	84
385		
	33	117
474		
TOTAL	1750	644
MILE & TOTALS	280	30243
GRAND TOTAL 382		45
	37667	46711
TOTAL		

DRAWN		DATE	
TRACED			
CHECKED			
APPROVED			

ORIGINAL SURVEY	SURVEYED	DATE	
	PLOTTED		
	NOTE BOOK NO.	PAGE	
	INDEX CHECKED		

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.