P. R. A. DIV. NO.	STATE	F. A. S. PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-65 (1)	1	28

STATE OF MAINE
STATE HIGHWAY COMMISSION

PLAN AND PROFILE

RUMFORD

OXFORD COUNTY

MAINE FEDERAL AID SECONDARY
PROJECT NO. S-65 (1)

TOTAL LENGTH 1.335 MILES

SCALES
- PLAN 1 IN. = 50 FT.
- PROFILE HOR. 1 IN. = 50 FT.; VER. 1 IN. = 5 FT.
- CROSS SECTIONS 1 IN. = 5 FT.

1949

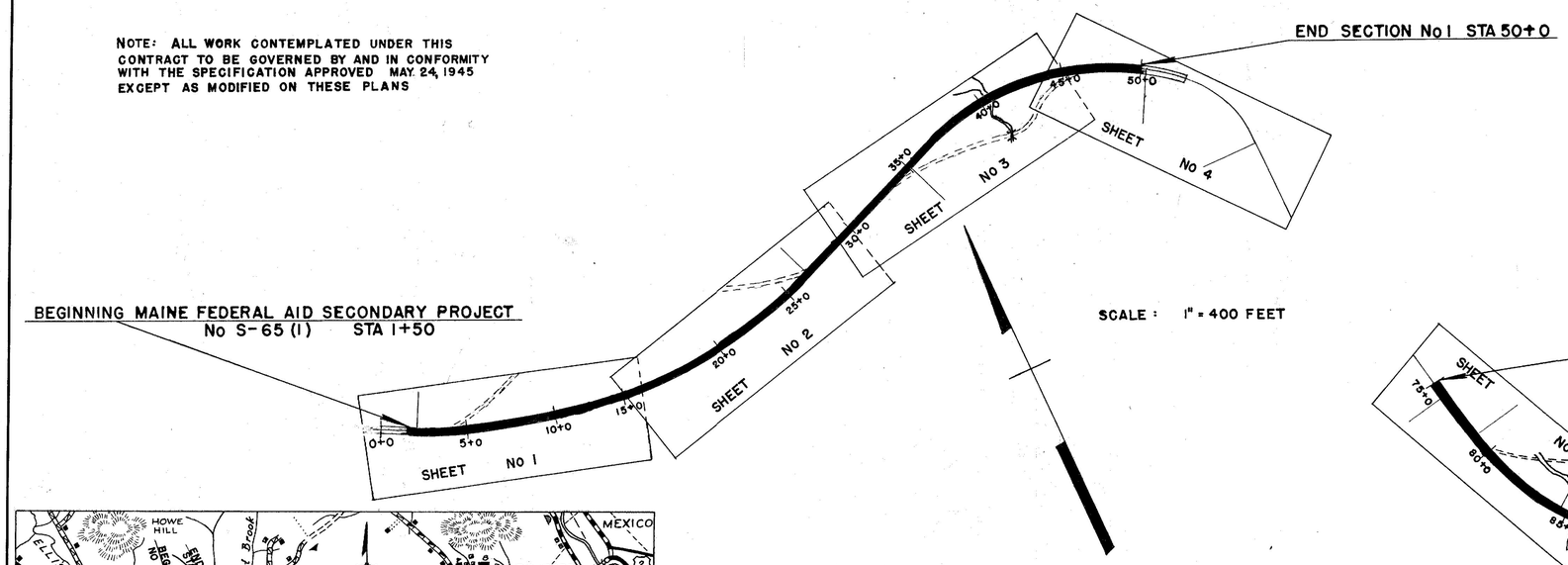
CONVENTIONAL SIGNS

STATE OR NATIONAL LINE
COUNTY LINE
TOWN LINE
UNFENCED PROPERTY
FENCE
RIGHT OF WAY LINE
TRAVELED WAY
RAILROAD
RETAINING WALL
SURVEY LINE
CULVERT
DROP INLET
TROLLEY POLE
POWER POLE
TEL. POLE
MARSH
TREES
STONE WALL

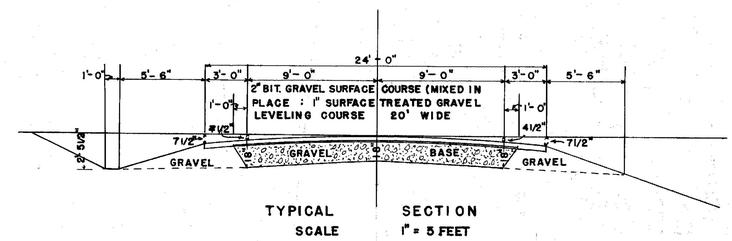
INDEX OF SHEETS

SHEET No. 1	TITLE PAGE	STA.
SHEET No. 2	TYPICAL SECTIONS	
SHEET No. 7-12	PLAN AND PROFILE	STA. 1+50 TO 50+0 & 75+0 TO 97+0
SHEET No. 13-28	CROSS-SECTIONS	STA. 1+50 TO 50+0 & 75+0 TO 97+0
SHEET No.	BRIDGES	STA.
SHEET No. 3-6	SPECIAL DETAILS	

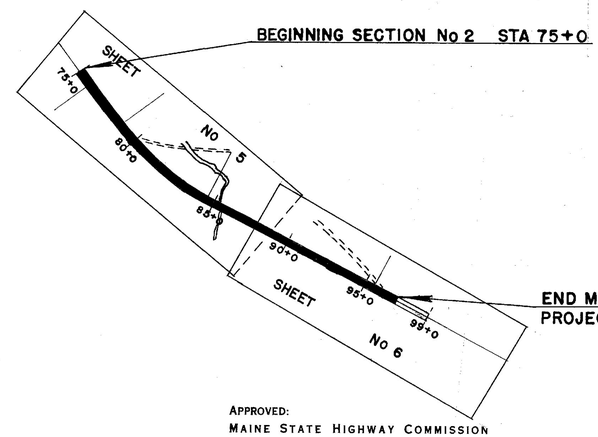
NOTE: ALL WORK CONTEMPLATED UNDER THIS CONTRACT TO BE GOVERNED BY AND IN CONFORMITY WITH THE SPECIFICATION APPROVED MAY 24, 1945 EXCEPT AS MODIFIED ON THESE PLANS

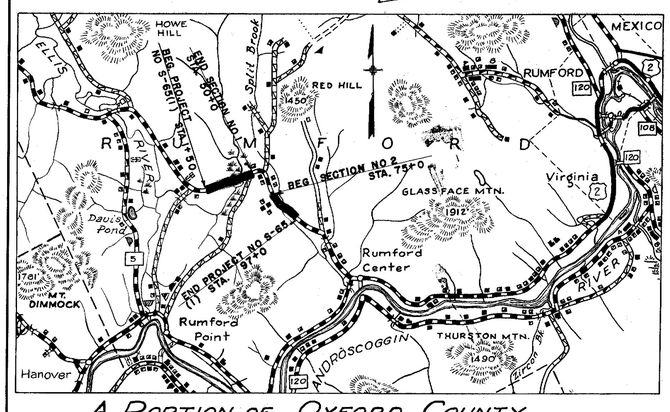


SCALE : 1" = 400 FEET



TYPICAL SECTION
SCALE 1" = 5 FEET





A PORTION OF OXFORD COUNTY
Scale: 1 inch = 1 mile

APPROVED:
MAINE STATE HIGHWAY COMMISSION

CHAIRMAN

CHIEF ENGINEER

RECOMMENDED FOR APPROVAL DATE

DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

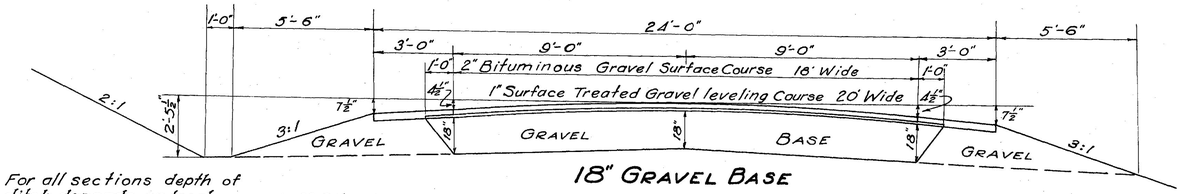
APPROVED DATE

DIVISION ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

PRINTED BY SPAULDING-MOSS COMPANY BOSTON, MASS. REORDER NO. 211

F. H. A. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-65(1)	2	28

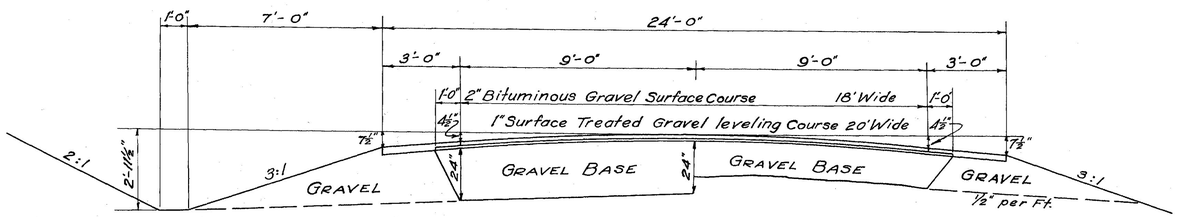
STANDARD SECTIONS FOR PROJECT No S-65 (1) BITUMINOUS GRAVEL SURFACE



18" GRAVEL BASE

For all sections depth of ditch depends on local conditions. Depth of bases as shown may be changed to meet local conditions.

2" Bituminous Gravel Surface Course 18' Wide	11.11	C.Y. PER	100 L.F.
1" Surface Treated Gravel leveling Course 20' Wide	6.17	C.Y. PER	100 L.F.
15" Gravel Base Course	92.13	C.Y. PER	100 L.F.
18" Gravel Base Course	109.72	C.Y. PER	100 L.F.
24" Gravel Base Course	144.91	C.Y. PER	100 L.F.
1-3" Gravel Surface Shoulder	2.47	C.Y. PER	100 L.F.

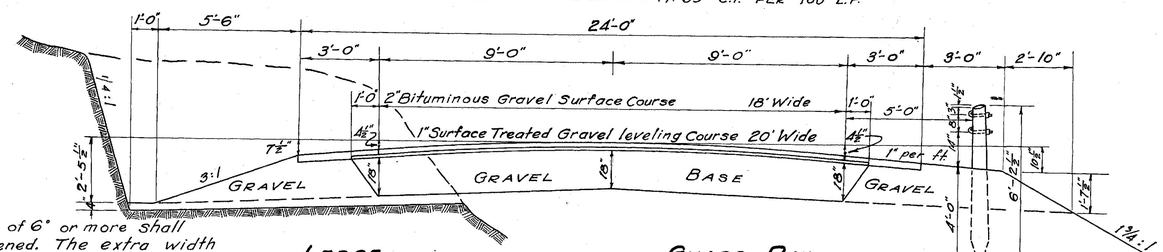


Where a 2:1 back slope is not practicable use a suitable slope.

24" GRAVEL BASE

15" Gravel Shoulder	One Side	24.07	C.Y. PER 100 L.F.
18" Gravel Shoulder	One Side	29.63	C.Y. PER 100 L.F.
24" Gravel Shoulder	One Side	47.69	C.Y. PER 100 L.F.

VARIABLE GRAVEL BASE

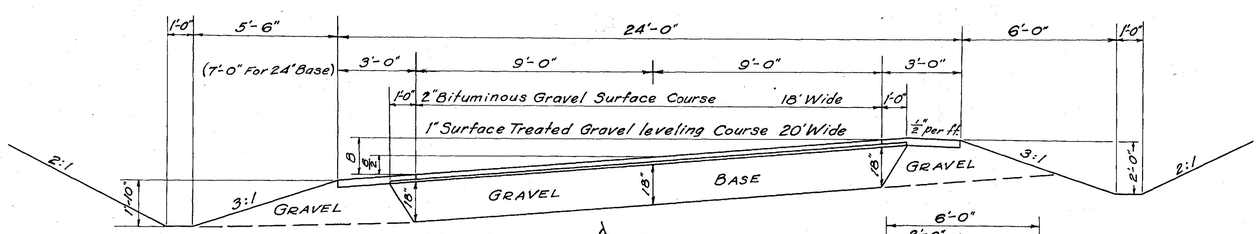


Curves of 6° or more shall be widened. The extra width expressed in feet is given by Formula $\frac{D}{10}+2$.

LEDGE

GUARD RAIL

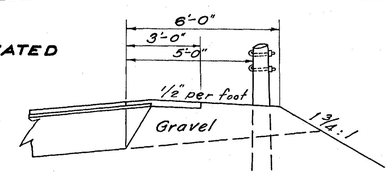
18" Gravel Shoulder Guard Rail One Side 38.50 C.Y. PER 100 L.F.



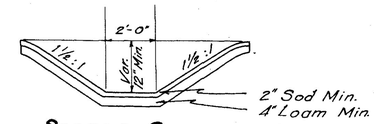
WIDENED and SUPERELEVATED

2" Bituminous Gravel Surface Course 18' Wide	11.11	C.Y. PER	100 L.F.
1" Surface Treated Gravel leveling Course 20' Wide	6.17	C.Y. PER	100 L.F.
15" Gravel Base Course	87.96	C.Y. PER	100 L.F.
18" Gravel Base Course	105.56	C.Y. PER	100 L.F.
24" Gravel Base Course	140.74	C.Y. PER	100 L.F.
1-3" Gravel Surface Shoulder	2.47	C.Y. PER	100 L.F.

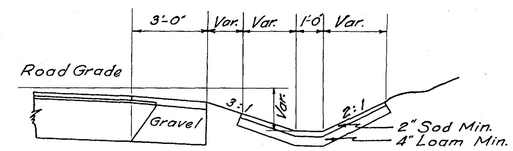
Curves of 1° or more shall be superelevated. "B" equals degree of curve ×3 with a minimum of 9" superelevation. Maximum superelevation equals 1" per foot width of pavement. All curves to have full superelevation at approximately 50' onto curve from P.C. and P.T. with a runoff of 150' unless otherwise specified.



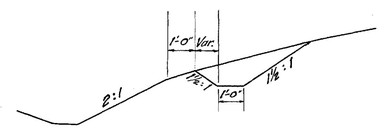
GUARD RAIL ON OUTSIDE OF SUPERELEVATED CURVE



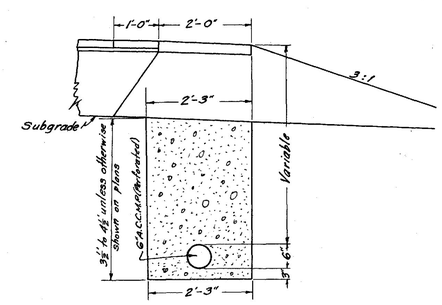
SODDED GUTTER
(Slope Drain)



SODDED GUTTER



BERM DITCH



UNDERDRAIN TYPE "B"

ESTIMATED QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT
11	Clearing and Grubbing	7.0	Acres
12A	Earth Excavation	17,500	C.Y.
12B	Rock Excavation	1,000	C.Y.
12D	Muck Excavation	2,500	C.Y.
12E	Trees Removed	4	Each
13	Excav. for Structures	250	C.Y.
	Rock Excav. for Structs.	5	C.Y.
17A	Common Borrow	12,500	C.Y.
17B	Gravel Borrow	17,000	C.Y.
			C.Y.
	Gravel for Foundations	120	C.Y.
33A	Surface Treated Gravel Crse	850	C.Y.
33B	Bituminous Material	7,800	Gals.
34A	Bituminous Gravel Surf. Crse.	800	C.Y.
34B	Bituminous Material	17,600	Gals
47C	12" Corr. Metal Pipe	40	L.F
48E	18" Asph. Coated C.M.P.	204	L.F
48G	24" Asph. Coated C.M.P.	50	L.F.
48H	30" Asph. Coated C.M.P.	52	L.F.
48I	36" Asph. Coated C.M.P.	52	L.F.
65A	Wire Cable Guard Rail-Type A	1320	L.F
65C	Anchorages	12	Each
69	Project Markers	4	Each
70	Right of Way Monuments	22	Each
75	Gravel Overhaul	30,000	Y.M.
76	Dynamite (Muck Blasting)	6,000	Lbs
77C	(Multi Plate Pipe Arch Culv.		
	8 Gage - Span 8'-11" Rise 6'-0")	50	L.F
77D	(Multi Plate Pipe Arch Culv.		
	8 Gage - Span 10'-3" Rise 6'-5")	51	L.F

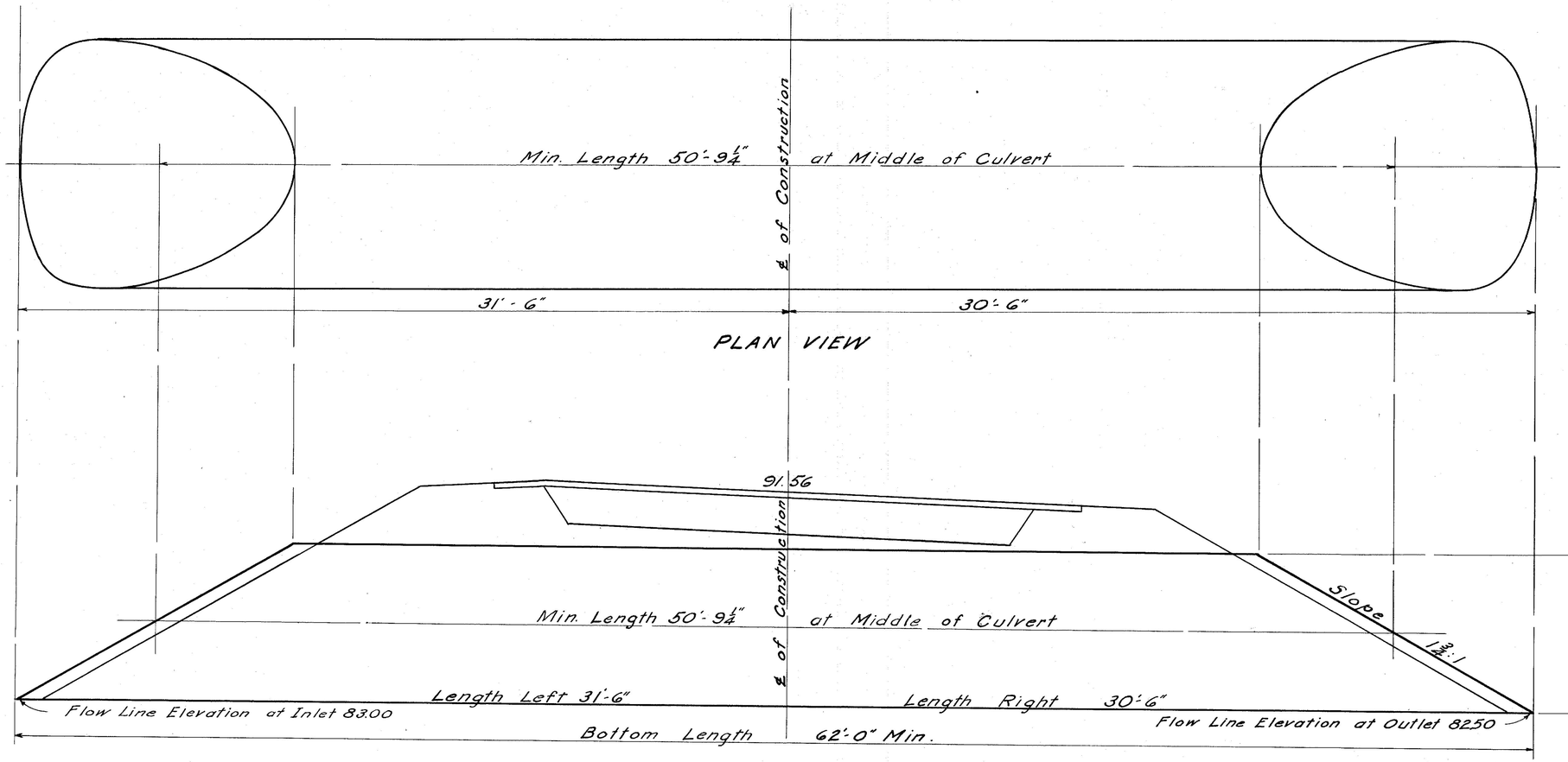
CULVERT SCHEDULE

STATION	SIZE	TYPE	REMARKS
3+10	18"×56'	A.C.C.M.P.	
24+45	30"×52'	A.C.C.M.P.	
46+50±	18"×52'	A.C.C.M.P.	
75+94	36"×52'	A.C.C.M.P.	
81+65±	24"×50'	A.C.C.M.P.	(Skew ahead on Lt.)
95+0	18"×44'	A.C.C.M.P.	
19+0	18"×52	A.C.C.M.P.	(Skew ahead on Rt.)
13+70	12"×20'	C.M.P.	Woods Rd. Rt.
13+90	12"×20'	C.M.P.	Woods Rd. Lt.
Multiplate Pipe Arch Culverts			
41+20	10'-3"×6'-5"	8 Gage	Length at ℄: 50'-9½"
86+50±	8'-11"×6'-0"	8 Gage	Length at ℄: 49'-6"

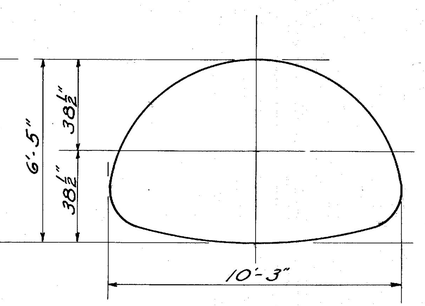
GRAVEL BASE

STATION	TO STATION	TYPE
1+50	4+25	Var.
4+25	7+50	18"
7+50	18+50	24"
18+50	26+0	18"
26+0	36+0	Var.
36+0	45+50	18
45+50	50+0	24
75+0	79+75	Var.
79+75	89+0	18"
89+0	97+0	24"

P. R. A. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-65(1)	5	28



CROSS SECTION VIEW AT CENTER LINE CULVERT
INSTALL AT STA. 41+20±

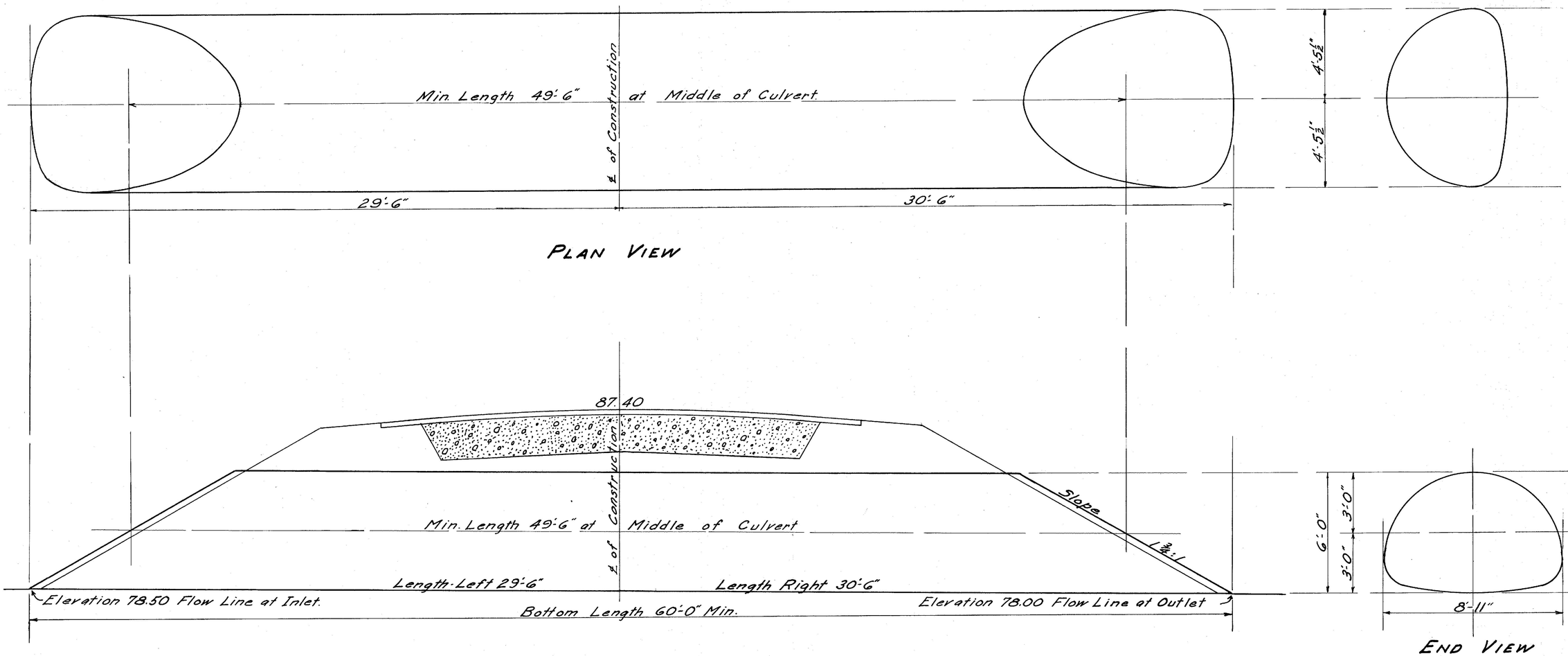


END VIEW

DETAIL PLAN OF
MULTIPLATE PIPE ARCH CULVERT
STA. 41+20
RUMFORD ~ PROJECT NO. S-65(1)
Span 10'-3" ~ Rise 6'-5" ~ Min. Length at ℄ 50'-9¼"
8 Gage
Scale 1" = 2½ ft. Mar. 1949.

P.R.A. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE			

P.R.A. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-65(1)	6	28



CROSS SECTION VIEW AT CENTER LINE CULVERT

Install at Sta. 86+50

DETAIL PLAN OF
MULTIPLATE PIPE ARCH CULVERT
RUMFORD – PROJECT NO. S-65(1)
Span 8'-11" - Rise 6'-0" - Min. Length @ ℄ 49'-6"
8 Gage

Scale 1" = 2½ ft.

Mar. 1949

P.R.A. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-65(1)	7	28

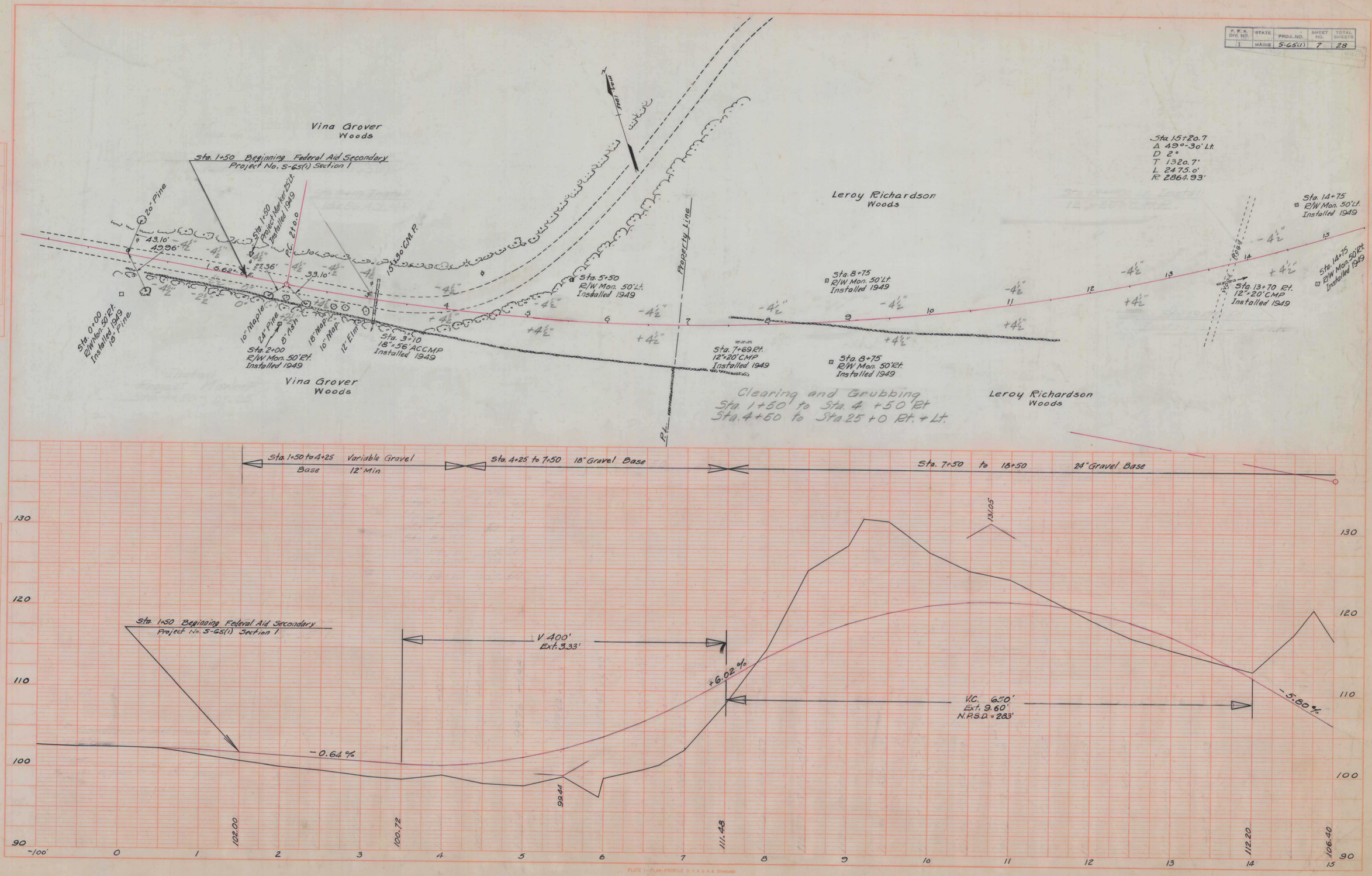


PLATE 1—PLAN-PROFILE P.R.A. & N.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

F.P.A. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-65(1)	8	28

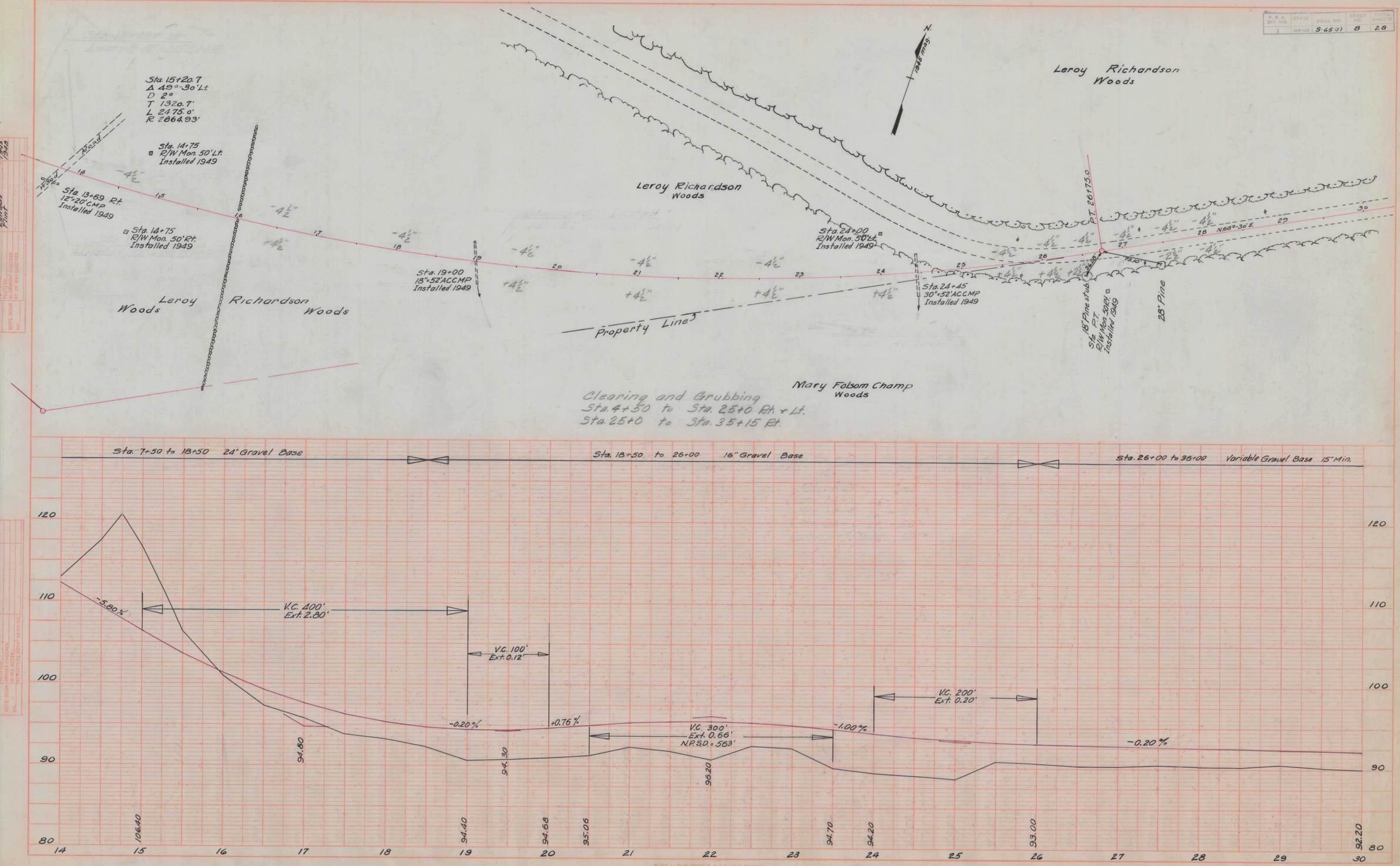
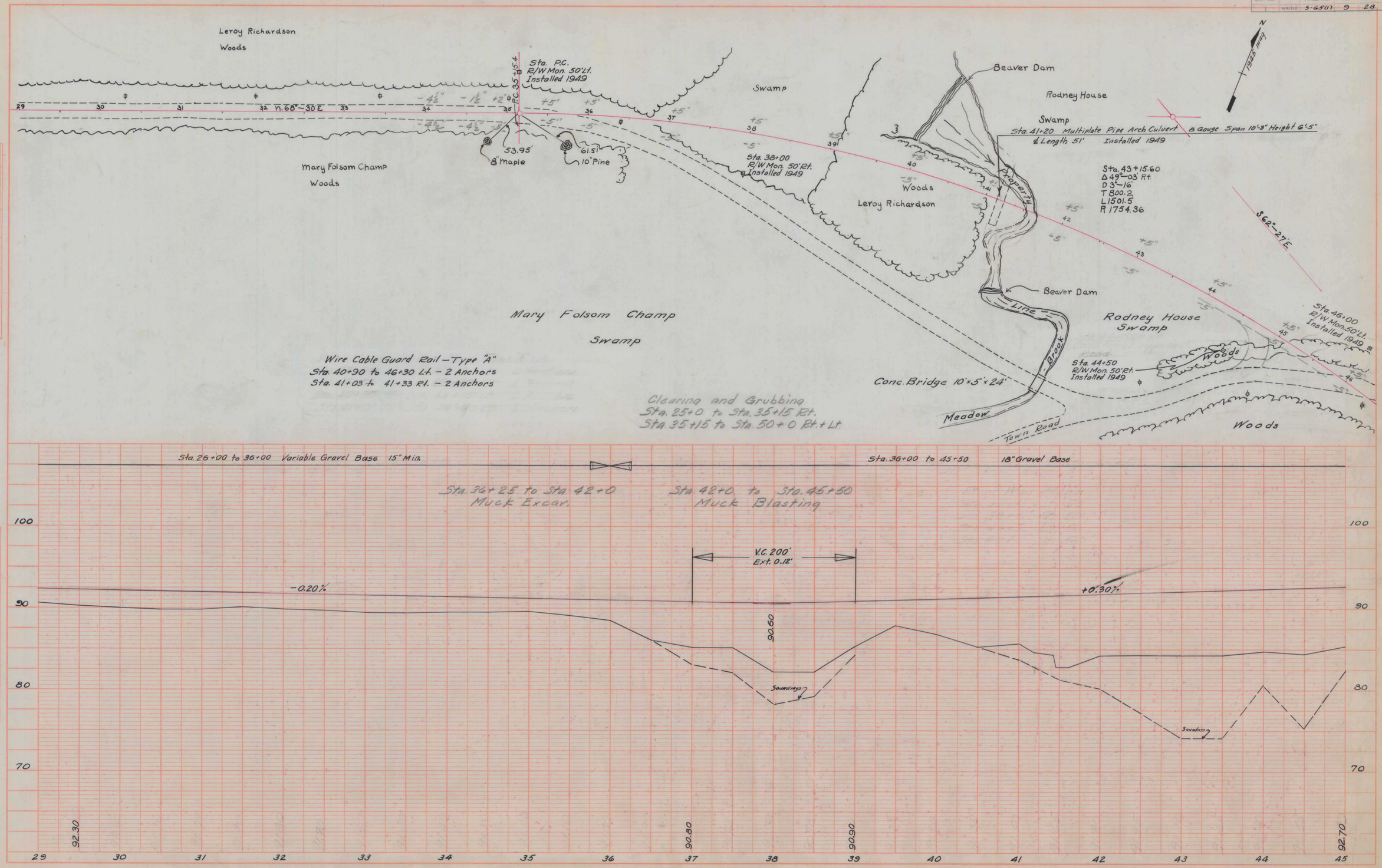


PLATE 1—PLAN-PROFILE O. P. R. A. B. C. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

P. R. A. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-65(1)	9	28



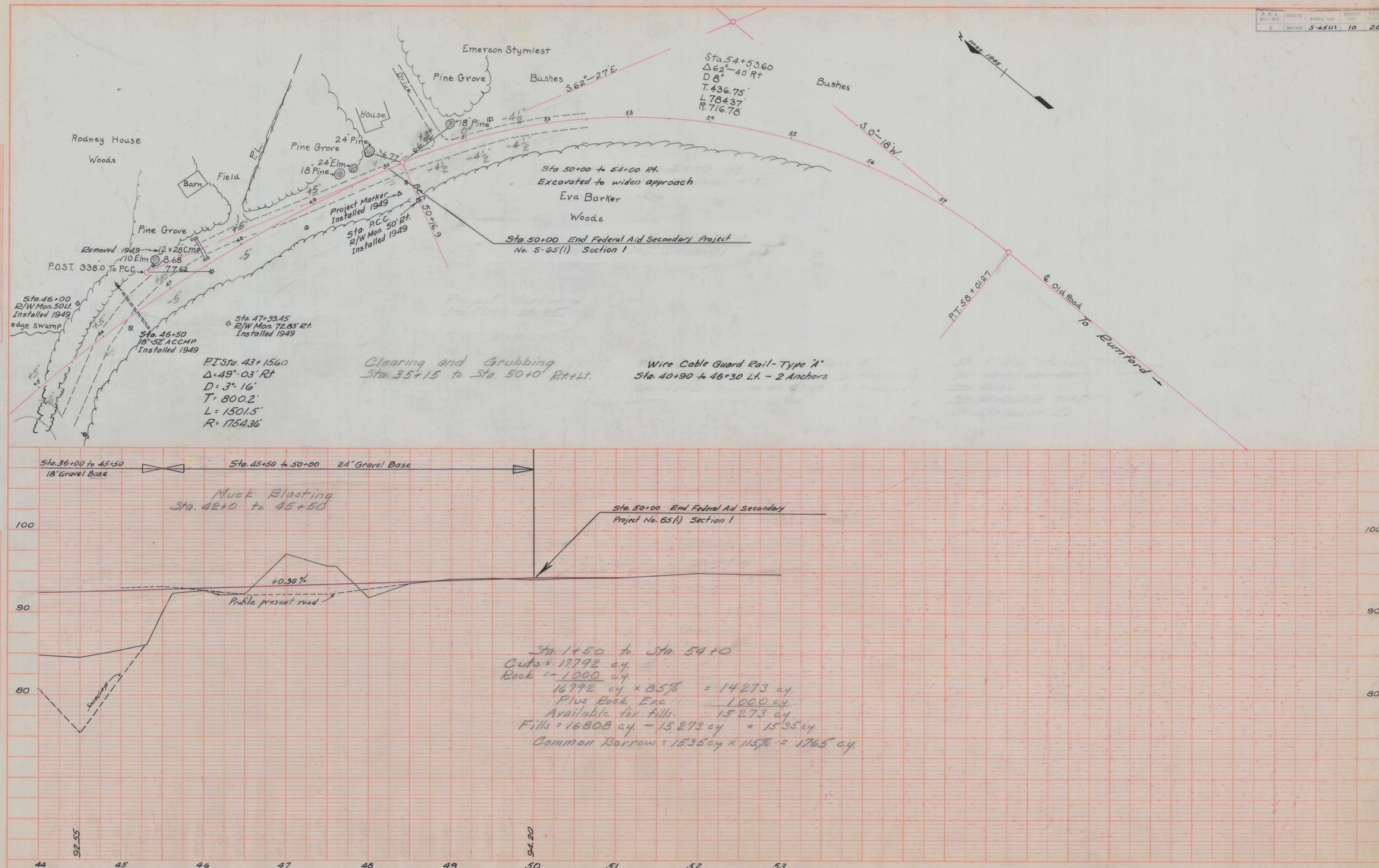
PLAN
SURVEYED
PLOTTED
NOTE BOOK
ALIGNMENT CHECKED
NO.
ST. OF MAY CHECKED

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
GRADES CHECKED
NO.
& W.S. NOTED
STRUCTURE NOTATIONS CH'KD.

BY
DATE

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

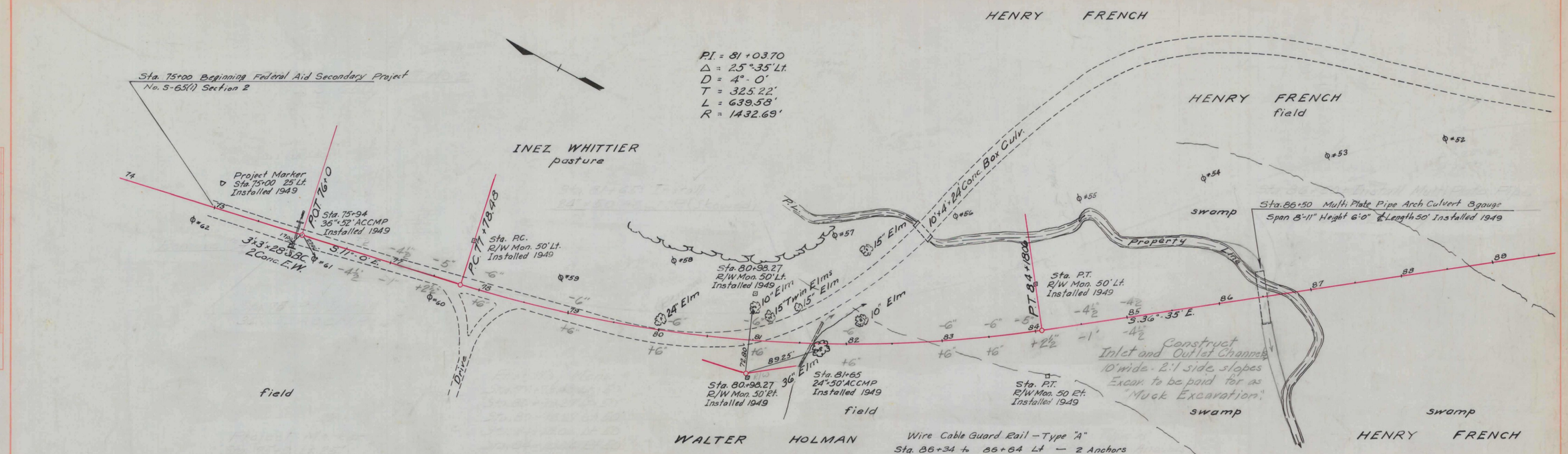
P. R. A. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-65(1)	10	28

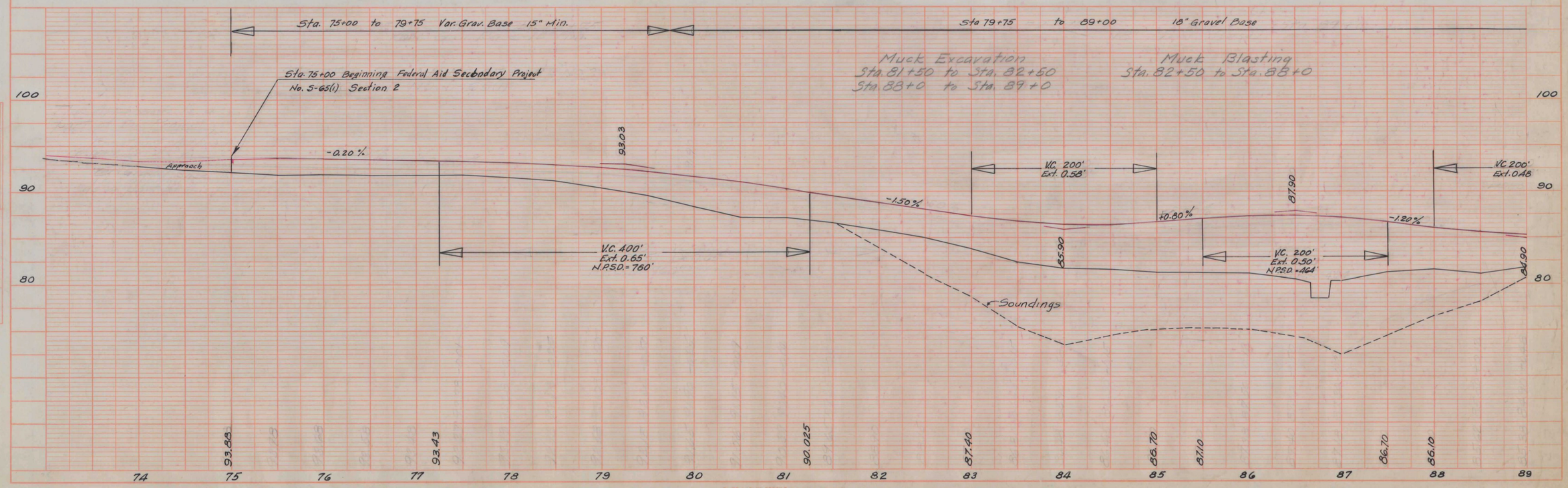


Sta. 1+50 to Sta. 54+0
Cuts = 17,792 c.y.
Rock = 1000 c.y.
16,792 c.y. × 85% = 14,273 c.y.
Plus Rock Exc. 1000 c.y.
Available for fills. 15,273 c.y.
Fills = 16808 c.y. − 15,273 c.y. = 1535 c.y.
Common Borrow = 1535 c.y. × 115% = 1765 c.y.

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

F. R. A. DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-65(1)	11	28



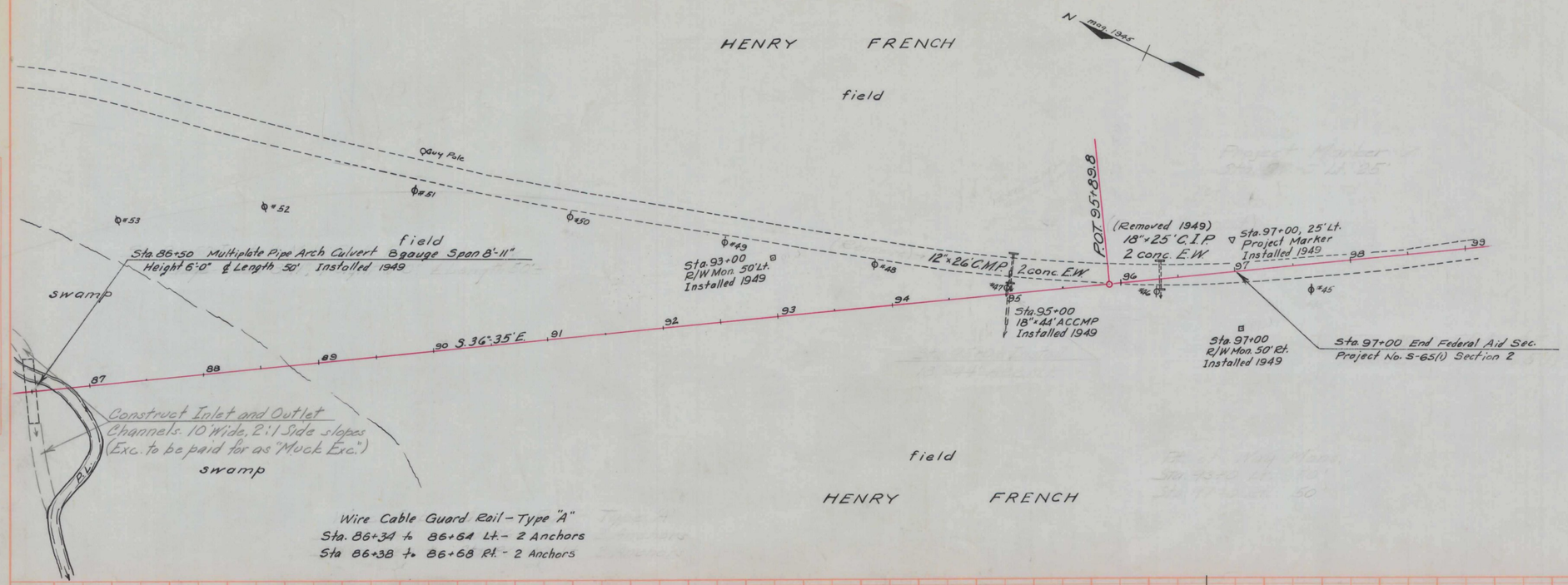


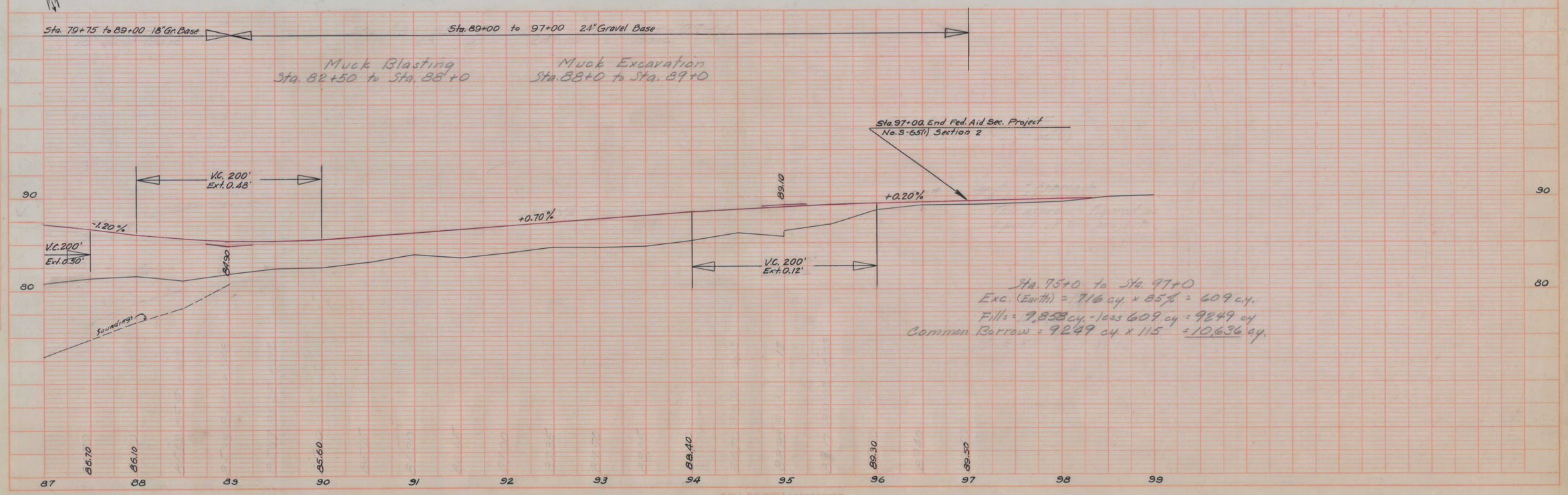
PLAN — SURVEYED, PLOTTED, NOTE BOOK, NO., QUANTITIES CHECKED, PT. OF WAY CHECKED, DATE 1948/1949, BY Landers

PROFILE — SURVEYED, PLOTTED, NOTE BOOK, NO., QUANTITIES CHECKED, B. M. NOTED, STRUCTURE NOTES AND CHKD., DATE, BY

PLATE 1—PLAN-PROFILE D. P. R. W. & E. STANDARD
HEUFEL & EISEN CO., NEW YORK

F.P.A. ENV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	S-65(1)	12	28





Sta. 75+0 to Sta. 97+0
Exc. (Earth) = 716 cy. x 85% = 609 c.y.
Fills = 9,858 cy. - less 609 cy = 9249 cy
Common Borrow = 9249 cy. x 115 = 10,636 cy.

DATE	BY
1945	Landers
1948	Landers

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
NOTE BOOK
PT. OF WAY CHECKED
NO.

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
R.M. NOTED
NO.
STRUCTURE NOTES PLOTTED CHKD.

SIZE

PLATE 1—PLAN-PROFILE G.P.O. W.N.E. STANDARD
KEUFFEL & ESSER CO. NEW YORK.
K & E CO. NO. 349-10P

Vault Plans
Inventory Review / Index Information Sheet

Source File ID: A/B (This is the Rack & Binder ID)

Plot Set ID: _____ (To be filled in by contractor)

PIN: _____ (Leave blank if none found)

Project Number: S-65 (1)
(State or Federal style with letters & numbers)

Project Name: _____
(From Title Sheet, may include street, bridge, stream names, etc.)

Bridge Number: _____ (If applicable)

Scope: HNEW, BNEW
(From standard list)

Towns: RUMFORD. (List all included towns)

Year: 1949 (Constructed or Signed – latest date on plan)

Number of Sheets: 10

Are cross-sections included in this set? Yes ____ No X

Inventory Review by: TKK (Reviewer's initials)

Inventory Review date: 4/5/04

Comments: