B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-295-3(44	60	103

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK 295/285	SURVEYED	F.J.W. & R.C.M.	7-23-62
	PLOTTED		
	TRIANGULATION		
	AREAS		
	AREAS CHECKED		

V.C.=1000'
E.=-50'
950=675'

P.V.C. Sta. 95+50
Elev. = 70.14

P.V.I. Sta. 100+50
Elev. = 80.14

P.V.T. Sta. 105+50
Elev. = 70.14

FINISH GRADE
FUTURE FINISH GRADE
2.00%
13"
18"
(@ Approach Slab)
2.00%
LIMIT OF STAGE CONSTRUCTION
As Built 1971

NOTE:
TO COMPENSATE FOR ANTICIPATED SETTLEMENT, THE GRADES HAVE BEEN ADJUSTED FROM STA 96+00 TO STA 98+00.
SEE NOTES SHEET 65

5" Aggregate Subbase Course - Gravel
Sta 96+00 Ahd to SR 703 Bridge NB & SB
From Bridge Ahd to Sta 107+50 SB only

198" Str. Plate Pipe

Revised As Built
E W Putney Jr. 5-20-74

80	70	60	50	40	30

95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
69.14	70.14	71.09	72.94	73.69	74.34	74.89	75.00	74.99	74.94	75.09	75.14	75.09	74.92	74.49	74.34	73.89	73.34	72.69	71.92	71.09	70.14	69.14	68.14	67.14	66.14	65.14	64.14	63.14	62.14	61.14

Sta 100+63.91 ℄ I-295 =
Sta 54+02.89 ℄ S.R. 703

Sta. 95+0 to Sta. 110+0

I-295 Scarborough - South Portland (Profile)

Printed in U.S.A.
On IMPERIAL Tracing Cloth

PLATE 3 CROSS SECTION B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

Printed in U.S.A.
On IMPERIAL Tracing Cloth

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I - 295 - 3 (44	61	103

N 290,000

E 456,000

E 456,500

E 457,000

N 289,500

E 455,000

N 289,000

E 456,500

Sta 38+33.35 Ramp TPK-6 opp. S.R. 703

Sta 39+00 S.R. 703

Sta 38+33.35 Ramp TPK-6
Limit of Work

Selective Clearing & Thinning

Clearing Limit Line

Match Line

RAMP TPK-6

P.I. Sta. 25+72.77
Δ = 32°-01'-31" Rt.
D = 20°-00'-00"
R = 286.479'
T = 822.15'
L = 1601.27'
E = 115.64'

Bracing Assembly, Type II - Metal Posts

Sta 22+43 125' Rt. Ramp TPK-6
Sta 27+70 125' Rt. Ramp TPK-6
Sta 33+00 125' Rt. Ramp TPK-6

Right of Way Monuments

Sta 26+00.00, 125.00' Rt. Ramp TPK-6
Sta 33+51.89, 125.00' Rt. " "

Survey Monuments

Sta 26+00.00, 50.00' Rt. Ramp TPK-6
Sta 33+51.89, 75.00' Rt. " "

Bracing Assembly, Type I, Metal Posts

Sta 38+33 108' Rt. Ramp TPK-6

Sta 24+00 Ramp TPK-6
Install 24"x76' RCP with Sodded End Treatment.
Built 1971

Set 1971

Ramp TPK-6 opp.

S 5° 17' 03" W 125'

P.I. Sta 33+51.89
Δ = 43°-33'-46"
D = 15°
R = 382.00'
T = 152.46'
L = 290.34'

Set 1971

Line

Match Line

175'

N 64° 33' 23" E

Clearing Limit Line

Selective Thinning

Set 1971

125'

Line

Set 1971

Ramp TPK-6

Match Line

703 N.B.

N 64° 33' 23" E

703 S.B.

8' Shoulder

4' Shoulder

C.E. As Built 1971

Existing 8' Shoulder

Ditch out

150'

Clearing Limit Line

Sta 54+02.89 S.R. 703
Sta 100+65.91 I-295

Match Line

Set 1971

Removed Exist. Mon. 1971
Cost for Removal shall be considered incidental to Item 203.20, Common Excavation.

175'

Set 1971

175'

Set 1971

175'

& As Built 1971

Revised As Built
C.W. Autrey Jr. 5-20-74

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

Sta 39+00 to 52+00 S.R. 703
Sta 21+00 to 38+33.35 Ramp TPK-6

HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
NEW YORK BOSTON KANSAS CITY

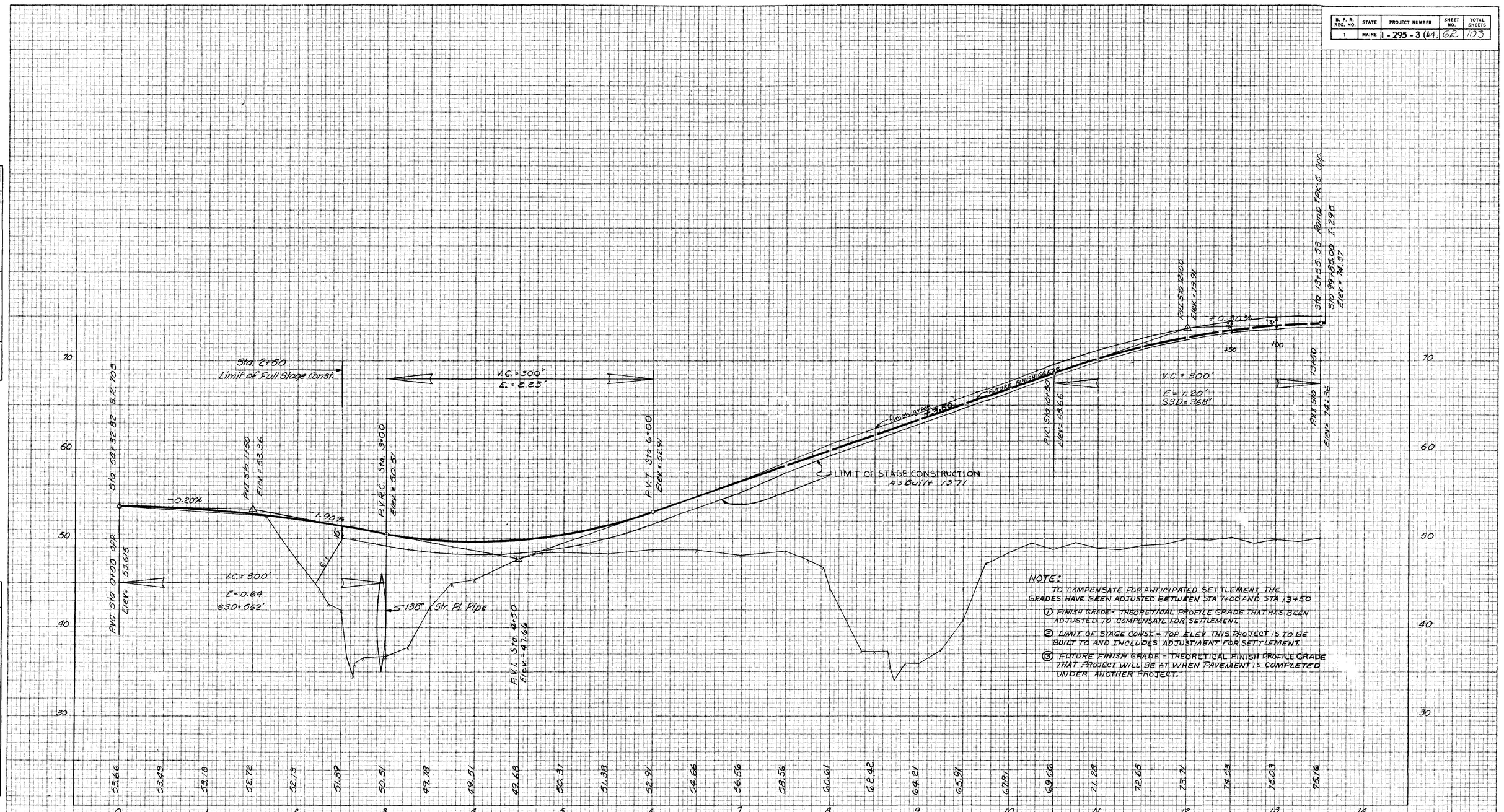
BRUNING 44-302

I-295 Scarborough - South Portland

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-295-3 (64)	62	103

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	RDA	
NO. 295-3(64)	PLOTTED		
	TRIANGULATE		
	AREAS		
	AREAS CHECKED		



NOTE:
TO COMPENSATE FOR ANTICIPATED SETTLEMENT, THE GRADES HAVE BEEN ADJUSTED BETWEEN STA 7+00 AND STA 13+50

1. FINISH GRADE = THEORETICAL PROFILE GRADE THAT HAS BEEN ADJUSTED TO COMPENSATE FOR SETTLEMENT.
2. LIMIT OF STAGE CONST. = TOP. ELEV. THIS PROJECT IS TO BE BUILT TO AND INCLUDES ADJUSTMENT FOR SETTLEMENT.
3. FUTURE FINISH GRADE = THEORETICAL FINISH PROFILE GRADE THAT PROJECT WILL BE AT WHEN PAVEMENT IS COMPLETED UNDER ANOTHER PROJECT.

RAMP TPK-5

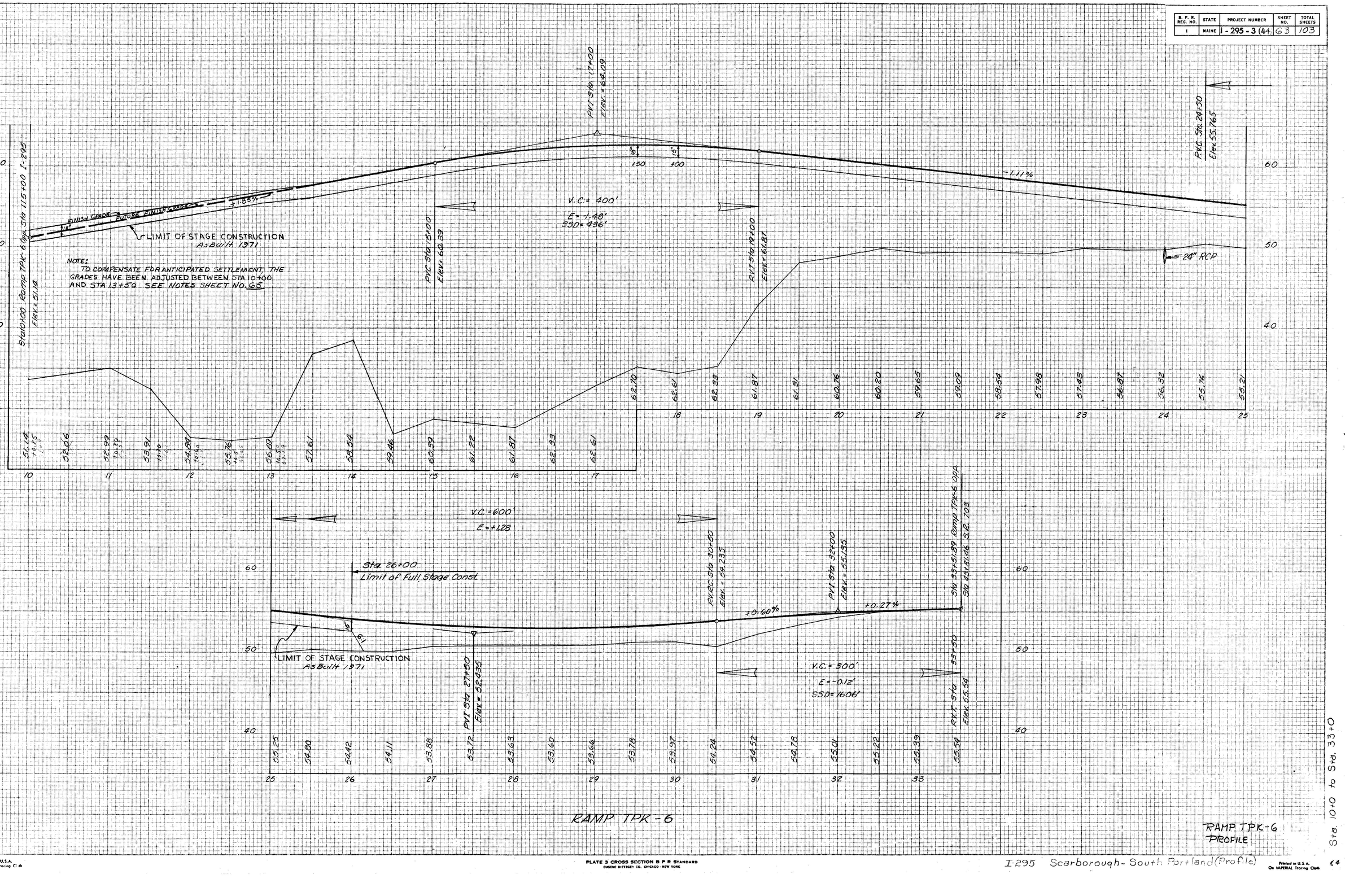
RAMP TPK-5
PROFILE

Sta. 0+00 to 14+00

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-295-3(44)	63	103

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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED	JWM	7/69
NOTE BOOK	JWM	
TEMPLATE		
AREAS		
NO. 295/246	AREAS CHECKED	



RAMP TPK-6

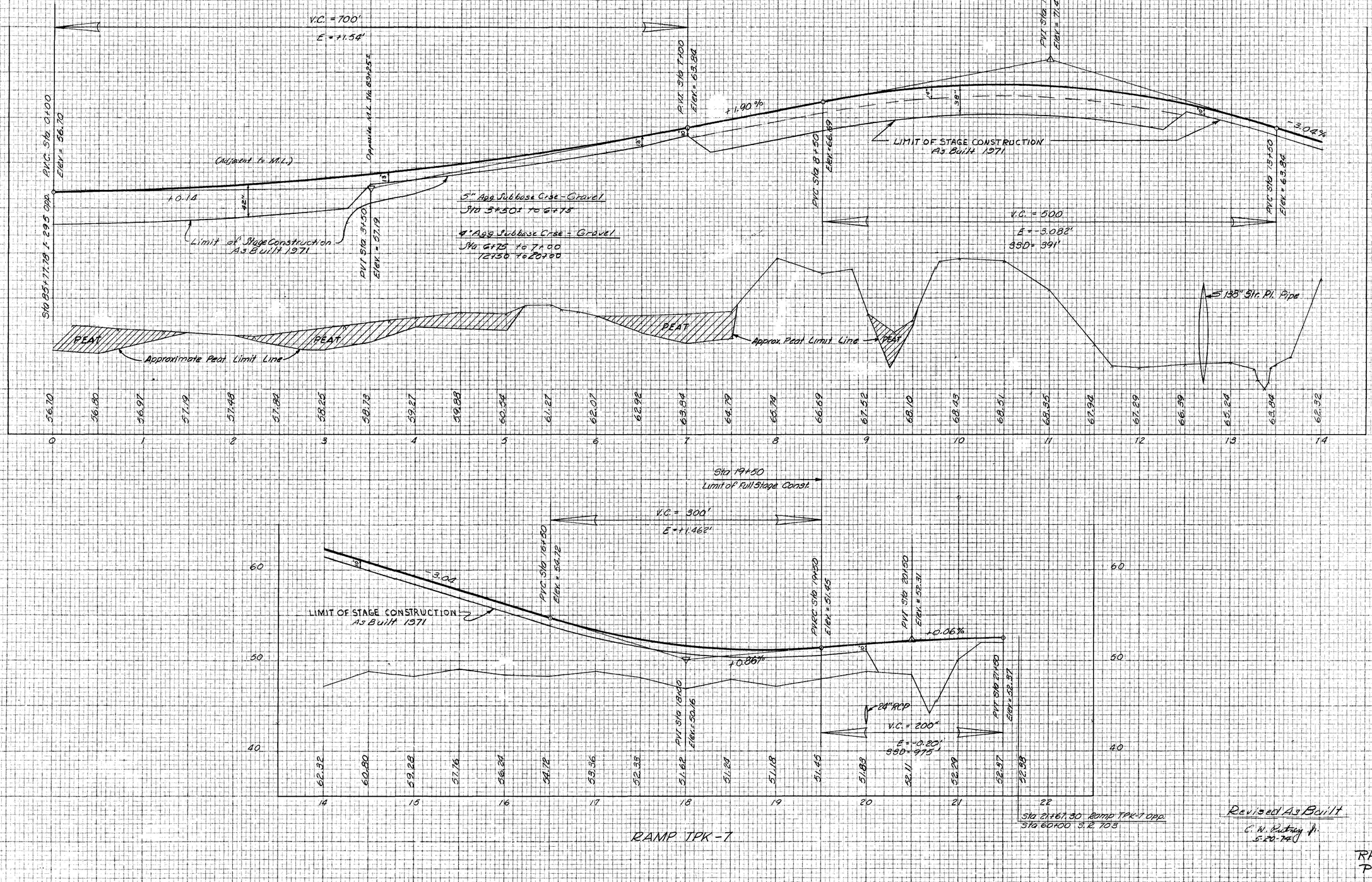
RAMP TPK-6
PROFILE

Sta 10+0 to Sta 33+0

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-295-3(44)	64	103

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK 292/244	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



RAMP TPK-7

Sta 21+67.30 Ramp TPK-7 Opp.
Sta 60+00 S.2.703

Revised As Built
C.N. Rutney Jr.
5-20-74

RAMP TPK-7
PROFILE

Sta. 0+0 to Sta. 22+0

B.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-295-3(A4)	65	109

Sta 117+98± 150'Lt I-295 to Sta 38+33± 105' Rt. Ramp TPK-6, Install Woven Wire Fence-Metal Posts as directed by the Engineer. Built 1971

Sta 116+88 & Med. Install 48"x 204' RCP, Class III with riprapped inlet & outlet Built 1971

I-295
P.T. Sta 124+23.57
Δ=16°-21'-33.4"
D=1°-00'-00"
R=5,729.578'
T=823.567'
L=1635.928'
E=58.887'

Sta 117+68 to Sta 119+98 & Med. Install 6"x 230' Type "B" u.d. Built 1971

Sta 120+00 & Med. Const. C.B. Type B-1 Install 12"x76' RCP outlet Lt. Built 1971

Sta 120+02 to Sta 121+40 & Med. Install 6"x 138' Type "B" u.d. Built 1971

Sta 118+40± to Sta 120+50 150' Lt. I-295 Install Woven Wire Fence-Metal Posts as directed by the Engineer Built 1971

RELOC. CHANNEL — Clearing Limit Line — Woods — Match Line — Set 1971 — Excavate Pool — Clearing Limit Line — Water Co. 2"W — Sta 10+00 Ramp TPK-6 app. — Sta 15+00 I-295 — Swamp — FG-15 — June Yard — Exc. Hardwood — Small to Medium Hardwoods & Alders — 15' Shoulder — Existing — Ramp TPK-6 N 83°-05'-06"E — C.E. As Built 1971 — SAND DRAINS 20'C-C AVERAGE DRAIN TIP elev. +5 — AVERAGE DRAIN TIP elev. +5 SAND DRAINS 20'C-C — N 74°-05'-06.4"E — C.B. — & As Built 1971 — RESERVED LIMIT LINE (TO JAN. 15 1971) — 1 Story Ho. — TO BE REMOVED BY OWNER — CMP 22.5' NET 20' — Clearing Limit Line — Selective Clearing & Thinning — Sta 112+00 & Med. Const. C.B. Type B-1 Install 12"x 84' RCP outlet Rt. Built 1971 — Sta 116+00 & Med. Const. C.B. Type B-1 Install 12"x76' RCP Rt. with 18"x 24' Metal Sluice and Sodded End. Built 1971 — 3' Brook — Spring Hole — Sta 121+00 & Median End Project I-295-3(4A) — Begin Project I-295-3(35) By Others — Sta 56.02 Ramp TPK-5 app. — Sta 10+00 & Med. I-295 — Set 1971

CROSS HATCHED AREA NOT TO BE SELECTIVE CLEARED.

LEGEND - SAND DRAINS
- 18" Dia. Sand Drains 18' C-C Triangular Spacing
- 18" Dia. Sand Drains 16' C-C Triangular Spacing
- 18" Dia. Sand Drains 20' C-C Triangular Spacing

E458,000 — E458,500 — E459,000 — N289,500

Catch Basin - Type B-1
Sta 112+00 ℄ Med. I-295
Sta 116+00 ℄ Med. I-295
Sta 120+00 ℄ Med. I-295

12" Reinforced Concrete Pipe
Sta 112+00 84 L.F.
Sta. 116+00 76 L.F.
Sta. 120+00 72 L.F.

6 Inch Underdrain Type "B"
Sta 117+68 to Sta 119+98 - 230 L.F.
Sta. 120+02 to Sta 121+40 - 138 L.F.

48" Reinforced Concrete Pipe - Class IV
Sta. 116+88 Rt. to Lt. 204 L.F.

Bracing Assembly, Type II - Metal Posts
Sta 112+55 120' Rt. I-295
Sta 12+50 125' Rt. Ramp TPK-6
Sta 12+50 175' Rt. Ramp TPK-6

Selective Clearing & Thinning
Sta 118+00± to Sta 121+00± Rt
Sta 117+00± to Sta 121+00± Lt.
Sta 12+00± to Sta 38+39± Rt. Ramp TPK-6

Sta 121+00 End Project I-295-3(4A) Begin Project I-295-3(35)

Clearing
Sta 117+25± to Sta 120+50± Lt & Rt

Removal of Buildings
Sta 118+25± 50'± Rt.
Sta 119+95± 70'± Rt.

Right of Way Monuments
Sta 116+00.00, 163.31' Lt I-295
Sta 116+00.00, 150.00' Rt "
Sta 117+62.53, 150.00' Lt "
Sta. 12+50.00, 125.00' Rt. TPK-6
Sta. 12+50.00, 175.00' Rt. "
Sta 24+56.02, 125.00' Rt. TPK-5

Woven Wire Fence-Metal Posts
Sta 118+40± to Sta 120+50 150' Lt 205 L.F.
Sta 117+98± 150' Lt I-295 to Sta 38+33± Ramp TPK-6 3091 L.F.

Bracing Assembly, Type I - Metal Posts
Sta	117+98	150' Lt	I-295
	119+40	150' Lt	"
	120+50	150' Lt	"
	117+35	150' Rt	"
	117+55	150' Rt	"
	120+50	150' Rt	"
Sta	12+65	175' Rt	Ramp TPK-6
	13+00	175' Rt	" "
	13+35	175' Rt	" "
	13+77	175' Rt	" "

Revised As Built C.W. Autrey Jr. 5-20-74

LIMIT OF STAGE CONSTRUCTION As Built 1971 — FINISH GRADE — 2.00% — FUTURE FINISH GRADE — P.V.C. Sta. 114+00 — V.C.=700' E.=2.004' — P.V.I. Sta. 117+50 Elev.= 46.14 — P.V.T. Sta. 121+00 — +0.29% — Limit of Stage Const. As Built 1971 — Normal Subgrade — 2'-0" Granular Borrow — +76± — +00 — Limit of Stage Const. — Sta. 121+50 Limit of Work Limit of Stage Const. — By others — 5-48" RCP Class III

NOTE:
TO COMPENSATE FOR ANTICIPATED SETTLEMENT, THE GRADES HAVE BEEN ADJUSTED BETWEEN STA 111+00 TO STA 117+00.
1. FINISH GRADE = THEORETICAL PROFILE GRADE AND HAS BEEN ADJUSTED TO COMPENSATE FOR SETTLEMENT.
2. LIMIT OF STAGE CONST. = TOP ELEV. THIS PROJECT IS TO BE BUILT TO AND INCLUDES ADJUSTMENT FOR SETTLEMENT.
3. FUTURE FINISH GRADE = THEORETICAL FINISH GRADE THAT PROJECT WILL BE AT WHEN PAVEMENT IS COMPLETED UNDER ANOTHER PROJECT.

61.14 60.14 59.24 58.34 57.64 56.64 55.74 54.84 53.94 52.15 51.31 50.39 49.56 48.71 48.14 47.76 47.45 47.23 47.09 47.03 47.05 47.16 47.30 47.44 47.59 47.74 47.98 48.02 48.17 48.32

110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125

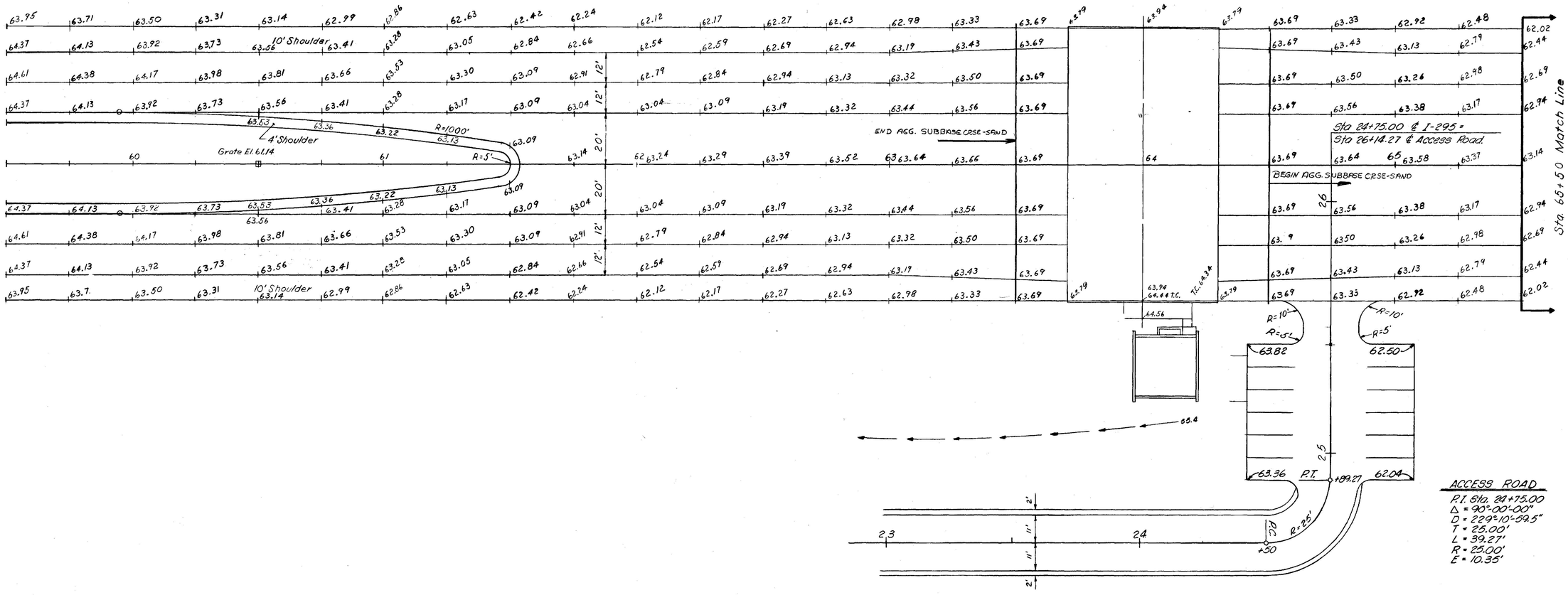
PLAN — SURVEYED — PLOTTED — GRADES CHECKED — R.P. & R.S. LOCATED — STRUCTURE NO. — NOTE BOOK — ALIGNMENT CHECKED — RT. OF WAY CHECKED — DATE — BY

PROFILE — SURVEYED — PLOTTED — GRADES CHECKED — R.P. & R.S. LOCATED — STRUCTURE NO. — NOTE BOOK — T.J.W. & R.C.A. — 7-3-69 — DATE — BY

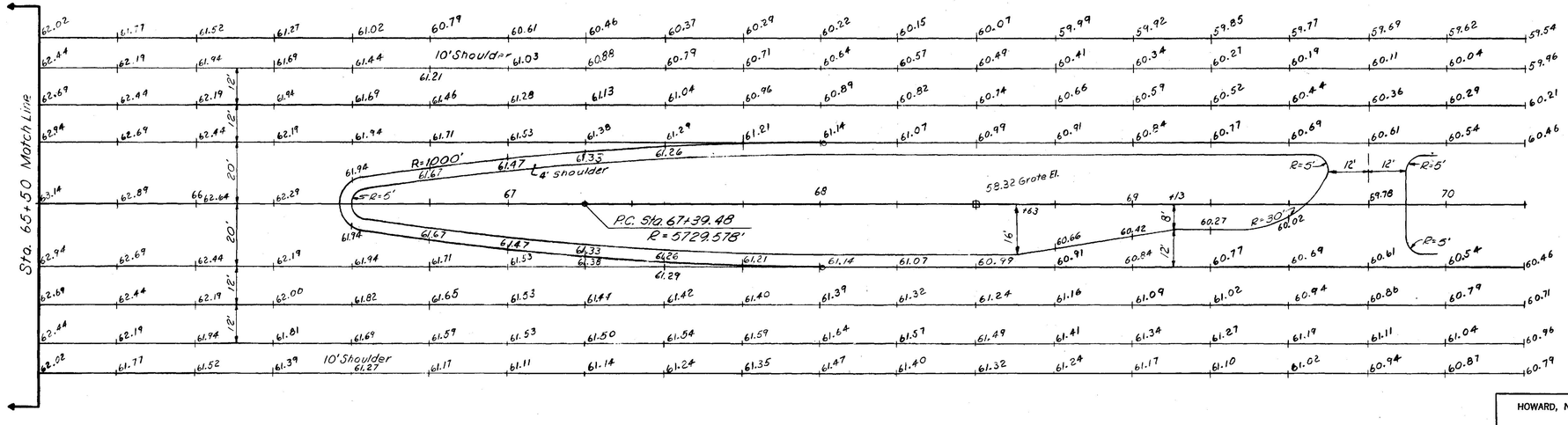
PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I - 295 - 3 (14)	66	105

Toll Plaza to be Constructed by others



ACCESS ROAD
P.I. Sta. 22+75.00
Δ = 90°-00'-00"
D = 229°10'-59.5"
T = 25.00'
L = 39.27'
R = 25.00'
E = 10.35'



MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

TOLL PLAZA

GRADING PLAN

HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
NEW YORK BOSTON KANSAS CITY

BRUNING 44-302

I-295 Scarborough - South Portland