B.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I - 295 - 3 (44)	57	103

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

I-295
P.I. Sta. 75+01.28
Δ=15°-08'-49.6"
D=1°-00'-00"
R=5,729.578'
T=761.798'
L=1514.711'
E=50.422'
E453,500
E454,000
E454,500
E453,500
E454,000
E454,500
N289,000
N289,000
P.L.
RED BROOK
Set 1971
Selective Clearing & Thinning
Limit
Line
Limit of Riprap
Reloc. Channel Built 1971
Limit of Riprap
10' TOTE ROAD
Channel to be Backfilled, Graded, Loam and Seeded as Directed by the Engineer.
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
+49 +56
S 85°46'-04.0" E
P.C. Sta 67+39.48
125'-1½"
Type "B" U.D. Built 1971
C.B. B-1 Built 1971
¢ As Built 1971
12" Type "C" U.D. Built 1971
C.B. B-1 Built 1971
Type "B" U.D. Built 1971
C.B. B-1 Built 1971
24"x88' RCP Lt Built 1971
24"x92' RCP Rt Built 1971
+39
+10
+90
175'
200'
175'
175'
Garden
Garden
Garden
4" Tile Pipe - Spring
Spring Hole
Bldg #2 Reserved
Gar.
Hen House
Removed Bldg #3 1971
Removed 1971
1½ Sty Fr. Ho.
Bldg #1 (JAN. 15 1971) Reserved Limit Line
Reserved (JAN 15 1971)
Removed 1971
Garage
Bldg #4
2 Strand Barb Wire
CMP 15.7
Clearing
Town Line
So. Portland
Scarborough
Clearing Limit Line
Selective Clearing & Thinning
WOODS
WOODS
FIELD
Clearing
Limit
Line
Selective Clearing & Thinning
Reserved (JAN 15 1971) Limit Line

Sta 75+50± Lt. Item No. 202.0801 Remove Building No. 1, 1½ Sty. Ho.

Sta 75+95± Lt. Item No. 202.0802 Remove Building No. 2, Garage

Sta 76+45± Lt Item No. 202.0803 Remove Building No. 3, Hen House

Sta 66+58 to Sta 68+48 ¢ Med. Install 6"x190' Type "B" U.D.

Sta 68+50 ¢ Med. Const. Type B-1 C.B. Install

Note: For Grading Between Sta 65+00 and Sta 68+00 See Toll Plaza Grading Plan, Sh. 42

Sta 68+52 to Sta 73+98 ¢ Med. Install 12"x546' Type "C" U.D.

Sta 74+00 ¢ Med. Const. Type B-1 C.B. Install 24"x92' RCP Rt. & 24"x88' RCP Lt.

Sta 76+37±, 45'± Rt. Item 202.0804 Remove Building No. 4, Garage

Sta. 74+10 to Sta 79+48 ¢ Med. Install 6"x 538' Type "B" U.D.

Sta 79+50 ¢ Med. Const. C.B Type B-1

Sta 79+52 to Sta 84+28 ¢ Med. Install 12"x 476' Type "C" U.D.

Note:
Contractor Must Maintain Drive Between Reserved Areas LT. AND RT. OF Sta 76+10 UNTIll JANUARY 1st 1971

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M.'S NOTED
STRUCTURE NOTATNS CH'K'D
BY T.L.V. & R.C.R.
DATE 7-3-69

Right of Way Monuments

Sta 65+49.00	175.00' Rt.
Sta 65+56.00	200.00' Rt.
Sta 67+39.48	175.00' Lt & Rt.
Sta 74+50.00	175.00' Lt. & Rt.

Survey Monuments

Sta 67+39.48	125.00' Lt.

Catch Basin - Type B-1

Sta 68+50 ¢ Med. I-295
Sta 74+00 ¢ Med. I-295
Sta 79+50 ¢ Med. I-295

6 Inch Underdrain, Type "B"

Sta 66+58 to Sta 68+48 - 190 L.F.
Sta 74+10 to Sta 79+48 - 538 L.F.

12 Inch Underdrain, Type "C"

Sta 68+52 to Sta 73+98 - 546 L.F.
Sta 79+52 to Sta 84+28 - 476 L.F.

24" Reinforced Concrete Pipe

Sta 74+00 Rt. & Lt - 180' L.F.

Selective Clearing & Thinning

Sta 77+00± to Sta 80+50± Lt
Sta 75+50± to Sta. 82+00± Rt.

Bracing Assembly, Type II - Metal Posts

Sta	65+49	175' Rt.	I-295
Sta	65+56	200' Rt.	I-295
Sta	71+30	175' Rt.	I-295
Sta	77+10	175' Rt	I-295

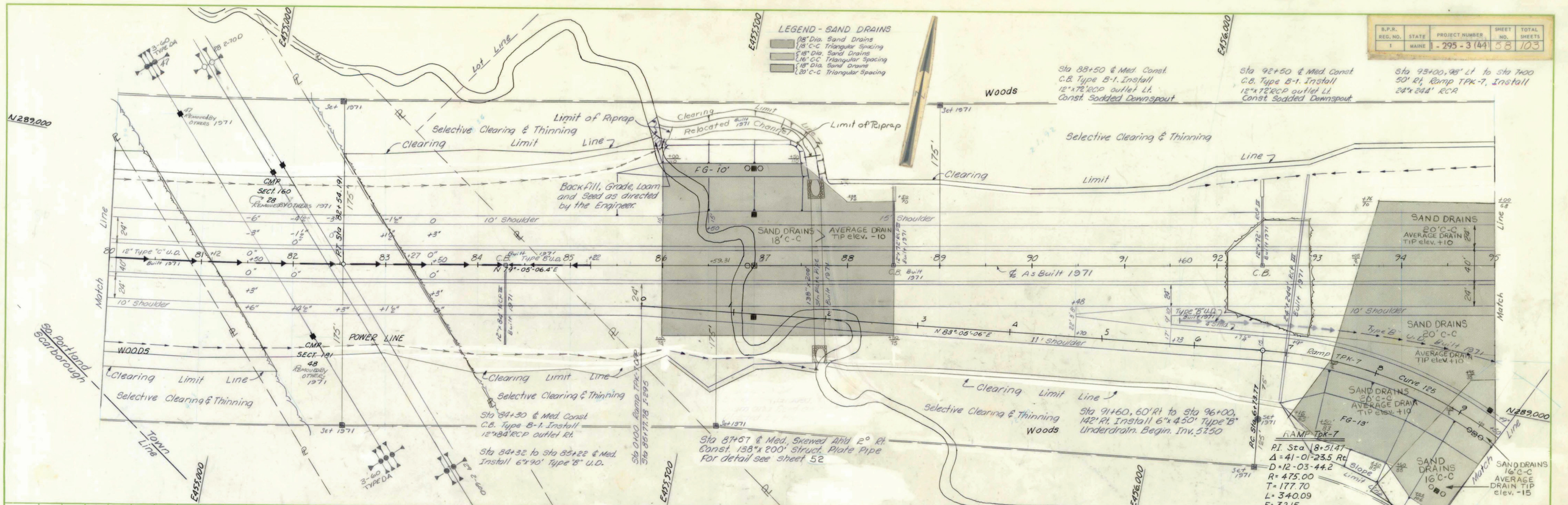
Bracing Assembly, Type I - Metal Posts
(All 175' Lt I-295)

Sta 66+05
66+51
67+20
67+40
68+70
68+90
69+49
70+10
71+49

Sta 71+74
72+65
72+93
73+20
73+46
73+94
74+12
74+90
75+12

Revised As Built
C.W. [illegible] 5-16-74

B.P.R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-295-3(44)	58	103


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
N289,000
E455,000
E455,500
E456,000
Lot Line
Woods
Limit of Riprap
Relocated Channel Built 1971
Clearing Limit Line
Selective Clearing & Thinning
Set 1971
CMP Sect. 160 28 Removed by others 1971
CMP Sect. 191 48 Removed by others 1971
47 Removed by others 1971
3-60 Type DA
2-700
2-600
POWER LINE
FG-10'
FG-13'
10' Shoulder
15' Shoulder
11' Shoulder
SAND DRAINS 18' C-C
AVERAGE DRAIN TIP elev. -10
SAND DRAINS 20' C-C AVERAGE DRAIN TIP elev. +10
SAND DRAINS 20' C-C AVERAGE DRAIN TIP elev. +19
SAND DRAINS 16' C-C
SAND DRAINS 16' C-C AVERAGE DRAIN TIP elev. -15
P.T. Sta. 82+54.19
N 79°-05'-06.4" E
N 83°-05'-06" E
℄ As Built 1971
C.B. Built 1971
Type "B" U.D. Built 1971
12"x84' RCP Built 1971
12"x72' RCP Built 1971
24"x244' RCP Built 1971
Ramp TPK-7
Curve 125
P.C. Sta. 6+73.77
Sta 0+00 Ramp TPK-7 O.P.
Sta 85+77.78 I-295
Slope Limit Line
Match Line
So. Portland
Scarborough
Town Line
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
175'
24'
40'
75'
125'

Backfill, Grade, Loam and Seed as directed by the Engineer.

Sta 88+50 ℄ Med. Const. C.B. Type B-1. Install 12"x72' RCP outlet Lt. Const. Sodded Downspout

Sta 92+50 ℄ Med. Const. C.B. Type B-1. Install 12"x72' RCP outlet Lt. Const. Sodded Downspout.

Sta 93+00, 98' Lt to Sta 7+00 50' Rt, Ramp TPK-7, Install 24"x 244' RCP.

Sta 84+30 ℄ Med. Const. C.B. Type B-1. Install 12"x84' RCP outlet Rt.

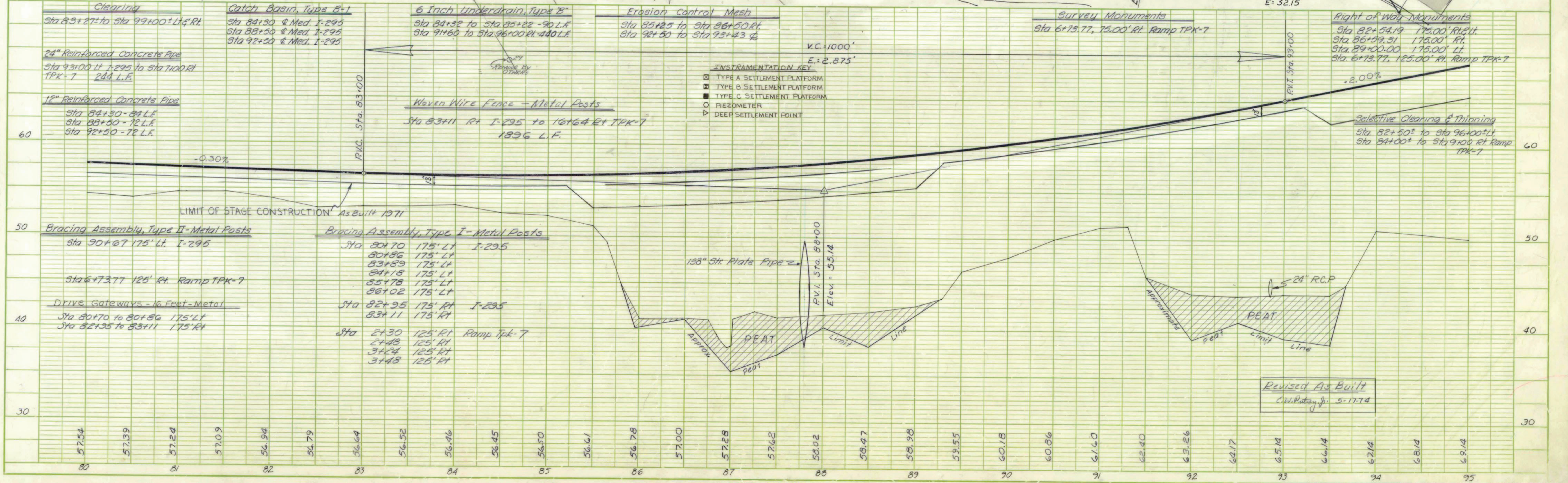
Sta 84+32 to Sta 85+22 ℄ Med. Install 6"x90' Type "B" U.D.

Sta 87+67 ℄ Med., Skewed Ahd 2° Rt. Const. 138"x 200' Struct. Plate Pipe For detail see sheet 52

Sta 91+60, 60' Rt to Sta 96+00, 142' Rt. Install 6"x 450' Type "B" Underdrain. Begin. Inv. 57.50

RAMP TPK-7
P.I. Sta. 8+51.47
Δ = 41-01-23.5 Rt.
D = 12-03-44.2
R = 475.00
T = 177.70
L = 340.09
E = 32.15

PLAN
SURVEYED
PLOTTED
NOTE BOOK
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NO.
BY
DATE



INSTRAMENTATION KEY
☒ TYPE A SETTLEMENT PLATFORM
⊠ TYPE B SETTLEMENT PLATFORM
■ TYPE C SETTLEMENT PLATFORM
○ PIEZOMETER
▷ DEEP SETTLEMENT POINT

Clearing
Sta 83+27± to Sta 99+00± Lt & Rt.

24" Reinforced Concrete Pipe
Sta 93+00 Lt I-295 to Sta 7+00 Rt TPK-7 244 L.F.

12" Reinforced Concrete Pipe
Sta 84+30 - 84 L.F.
Sta 88+50 - 72 L.F.
Sta 92+50 - 72 L.F.

Catch Basin, Type B-1
Sta 84+30 ℄ Med. I-295
Sta 88+50 ℄ Med. I-295
Sta 92+50 ℄ Med. I-295

6 Inch Underdrain, Type "B"
Sta 84+32 to Sta 85+22 - 90 L.F.
Sta 91+60 to Sta 96+00 Rt - 440 L.F.

Woven Wire Fence - Metal Posts
Sta 83+11 Rt I-295 to 16+64 Rt TPK-7
1896 L.F.

Erosion Control Mesh
Sta 85+25 to Sta 86+50 Rt.
Sta 92+50 to Sta 93+43 ℄

Survey Monuments
Sta 6+73.77, 75.00' Rt. Ramp TPK-7

Right of Way Monuments
Sta 82+54.19 175.00' Rt. & Lt.
Sta. 86+59.31 175.00' Rt.
Sta. 89+00.00 175.00' Lt.
Sta. 6+73.77, 125.00' Rt. Ramp TPK-7

Selective Clearing & Thinning
Sta. 82+50± to Sta 96+00± Lt.
Sta 84+00± to Sta 9+00 Rt. Ramp TPK-7

Bracing Assembly, Type II - Metal Posts
Sta 90+67 175' Lt. I-295
Sta 6+73.77 125' Rt. Ramp TPK-7

Drive Gateways - 16 Feet - Metal
Sta 80+70 to 80+86 175' Lt
Sta 82+95 to 83+11 175' Rt

Bracing Assembly, Type I - Metal Posts

Sta	80+70	175' Lt	I-295
	80+86	175' Lt	
	83+89	175' Lt	
	84+18	175' Lt	
	85+78	175' Lt	
	86+02	175' Lt	
Sta	82+95	175' Rt	I-295
	83+11	175' Rt	
Sta	2+30	125' Rt	Ramp Tpk-7
	2+48	125' Rt	
	3+24	125' Rt	
	3+48	125' Rt	

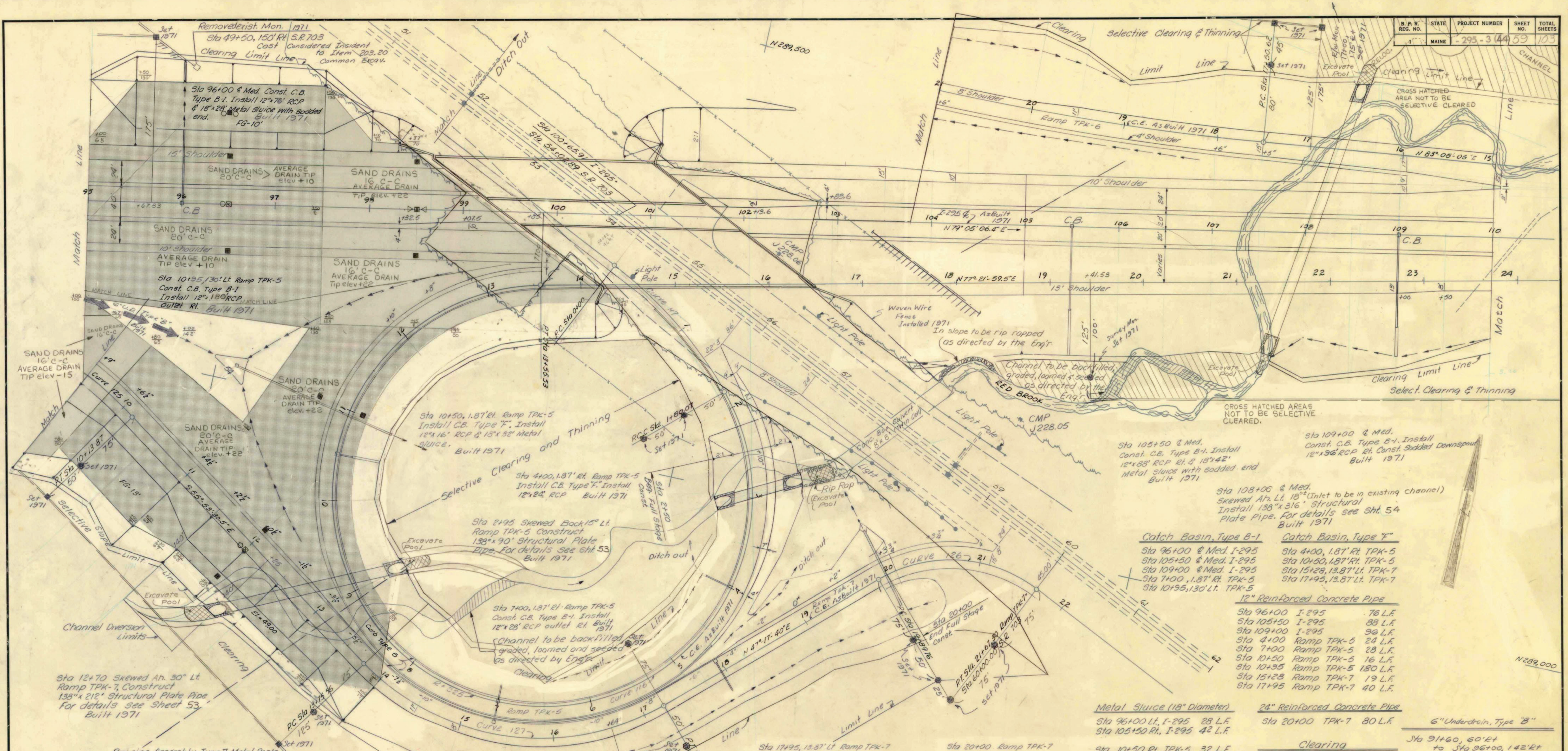
Revised As Built
C.W. Patey Jr. 5-17-74

PROFILE
SURVEYED
PLOTTED T.J.W.
GRADES CHECKED R.C.B.
B.M.'S NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE 7-3-69

K+E PLATE 1, PLAN-PROFILE KEUFFEL & ESSER CO.

I-295 Scarborough-South Portland

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	-295-3 (44)	59	103


Match Line
Line
Set 1971
Clearing Limit Line
15' Shoulder
SAND DRAINS 20'C-C AVERAGE DRAIN TIP elev +10
SAND DRAINS 16 C-C AVERAGE DRAIN TIP elev. +22
SAND DRAINS 20' C-C
10' Shoulder
AVERAGE DRAIN TIP elev +10
SAND DRAINS 16' C-C AVERAGE DRAIN Tip elev +22
C.B
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
MATCH LINE
6"U.D. Type "B" Built 1971
SAND DRAINS 16'C-C
SAND DRAINS 16'C-C AVERAGE DRAIN TIP elev -15
SAND DRAINS 20'C-C AVERAGE DRAIN TIP elev. +22
Curve 125
FG-13'
FG-10'
S 55°-53'-30.5" E
P.T. Sta 10+13.87 Set 1971
Selective Slope Limit Line
Excavate Pool
Channel Diversion Limits
Clearing
El. = 49.00
Curb Type 5
P.C. Sta 13+75.56 Set 1971
Set 1971
Thinning
Selective Clearing and Thinning
P.T. Sta 13+55.53
P.C. Sta
P.C.C. Sta. 1+80.07
Set 1971
Sta 2+50 Beg. Full Stage Const.
Ditch out
Line
C.E. As Built 1971
N 47°-17'-40" E
Ramp TPK-7 C.E. As Built 1971
Curve 116
Curve 126
Curve 127
Ramp TPK-5
R = 225
Sta 20+00 End Full Stage Const.
P.T. Sta 21+67.30 Sta 60+00.00 S.R. 703
Set 1971
Sta 17+22.79
Limit Line
Selective Clearing & Thinning
Sta 100+65.91 I-295 Sta 54+02.89 S.R. 703
Ditch Out
Light Pole
Curve 117
CMP J228.06
Conc. Box Culvert 8'x 8' (Twin Cell)
Rip Rap
Excavate Pool
Light Pole
CMP J228.05
8' Shoulder
Woven Wire Fence Installed 1971
In slope to be rip rapped as directed by the Eng'r.
Channel to be backfilled, graded, loamed & seeded as directed by the Eng'r.
RED BROOK
Survey Mon. Set 1971
Excavate Pool
CROSS HATCHED AREAS NOT TO BE SELECTIVE CLEARED.
Clearing Limit Line
Select. Clearing & Thinning
N 77°-21'-59.5" E
13' Shoulder
Varies
Match
Selective Clearing & Thinning
Clearing Limit Line
Ramp TPK-6
C.E. As Built 1971
4' Shoulder
8' Shoulder
10' Shoulder
N 83°-05'-05" E
N 79°-05'-06.4" E
I-295 As Built 1971
P.C. Sta 17+50.62
Set 1971
R/W Mon. 17+00, 175' Rt. Set 1971
RELOC. CHANNEL
CROSS HATCHED AREA NOT TO BE SELECTIVE CLEARED
N289,500
N289,000
N288,500
E 456,500
E 457,000
E 457,500

Removed exist. Mon. 1971
Sta 49+50, 150' Rt. S.R. 703
Cost Considered Insident to Item 203.20 Common Excav.

Sta 96+00 ℄ Med. Const. C.B. Type B-1. Install 12"x76' RCP & 18"x28' Metal sluice with sodded end. Built 1971
FG-10'

Sta 10+95, 130'± Lt. Ramp TPK-5
Const. C.B. Type B-1
Install 12"x180' RCP
Outlet Rt. Built 1971

Sta 10+50, 1.87' Rt. Ramp TPK-5
Install C.B. Type "F". Install 12"x16' RCP & 18"x32' Metal sluice. Built 1971

Sta 4+00, 1.87' Rt. Ramp TPK-5
Install C.B. Type "F." Install 12"x24' RCP Built 1971

Sta 2+95 Skewed Back 15° Lt.
Ramp TPK-5 Construct 138"x90' Structural Plate Pipe. For details See Sht. 53
Built 1971

Sta 7+00, 1.87' Rt - Ramp TPK-5
Const. C.B. Type B-1. Install 12"x28' RCP outlet Rt. Built 1971

Channel to be backfilled, graded, loamed and seeded as directed by Eng'r.

Sta 12+70 Skewed Ah. 30° Lt.
Ramp TPK-7, Construct 138"x212' Structural Plate Pipe
For details See Sheet 53
Built 1971

Sta 105+50 ℄ Med.
Const. C.B. Type B-1. Install 12"x88' RCP Rt. & 18"x42' Metal sluice with sodded end
Built 1971

Sta 109+00 ℄ Med.
Const. C.B. Type B-1. Install 12"x96' RCP Rt. Const. Sodded Downspout
Built 1971

Sta 108+06 ℄ Med.
Skewed Ah. Lt. 18°± (Inlet to be in existing channel)
Install 138"x316' Structural Plate Pipe. For details see Sht. 54
Built 1971

Sta 17+95, 13.87' Lt Ramp TPK-7
Install C.B. Type "F." Install 12"x40' RCP outlet Rt.
Built 1971

Sta 20+00 Ramp TPK-7
Install 24"x80' RCP
Built 1971

Sta 15+28, 13.87' Lt. Ramp TPK-7
Install C.B. Type "F." Install 12"x19' RCP C.B. to C.B. Built 1971

Catch Basin, Type B-1

Sta 96+00 ℄ Med. I-295
Sta 105+50 ℄ Med. I-295
Sta 109+00 ℄ Med. I-295
Sta 7+00, 1.87' Rt. TPK-5
Sta 10+95, 130' Lt. TPK-5

Catch Basin, Type "F"

Sta 4+00, 1.87' Rt. TPK-5
Sta 10+50, 1.87' Rt. TPK-5
Sta 15+28, 13.87' Lt. TPK-7
Sta 17+95, 13.87' Lt. TPK-7

12" Reinforced Concrete Pipe

Sta 96+00	I-295	76 L.F.
Sta 105+50	I-295	88 L.F.
Sta 109+00	I-295	96 L.F.
Sta 4+00	Ramp TPK-5	24 L.F.
Sta 7+00	Ramp TPK-5	28 L.F.
Sta 10+50	Ramp TPK-5	16 L.F.
Sta 10+95	Ramp TPK-5	180 L.F.
Sta 15+28	Ramp TPK-7	19 L.F.
Sta 17+95	Ramp TPK-7	40 L.F.

Metal Sluice (18" Diameter)

Sta 96+00 Lt., I-295	28 L.F.
Sta 105+50 Rt., I-295	42 L.F.
Sta 10+50 Rt., TPK-5	32 L.F.

24" Reinforced Concrete Pipe

Sta 20+00 TPK-7 80 L.F.

Clearing

Sta 102+75± to Sta 116+35± Lt & Rt.

6" Underdrain, Type "B"

Sta 91+60, 60' Rt
to Sta 96+00, 142' Rt
440 L.F.

Selective Clearing & Thinning

Sta 10+00± to Sta 22+30± Ramp TPK-7
Sta 1+00± to Sta 14+50± Ramp TPK-5
Sta 106+00± to Sta. 112+75± Rt.

Woven Wire Fence - Metal Posts

Sta 16+90, 20' Rt. Ramp TPK-5 to
Sta 120+50, 150' Rt I-295 - 1527 L.F.

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

CURVE DATA

CURVE 116	CURVE 117	CURVE 125	CURVE 126	CURVE 127
P.I. Sta	P.I. Sta. 0+91.26	P.I. Sta. 8+36.17	P.I. Sta. 20+90.59	P.I. Sta. 15+80.49
Δ = 299°-19'-44.5" Rt.	Δ = 22°-55'-38" Rt.	Δ = 41°-01'-23.5" Rt.	Δ = 67°-48'-57.3" Rt.	Δ = 76°-48'-49.5" Lt.
D =	D = 12°-43'-56.6"	D = 12°-03'-44.2"	D = 38°-11'-49.9"	D = 22°-07'-18.9"
R = 225.00'	R = 450.00'	R = 475.00'	R = 150.00'	R = 259.00'
T =	T = 91.26'	T = 177.70'	T = 100.83'	T = 205.33'
L = 1175.42'	L = 180.07	L = 340.09'	L = 177.54'	L = 347.23'
E =	E = 9.15'	E = 32.15'	E = 30.74'	E = 71.52'

Bracing Assembly, Type II - Metal Posts

Sta 11+50	125' Rt	Ramp TPK-7
Sta 17+00	175' Rt	Ramp TPK-6
Sta 17+00	125' Rt.	Ramp TPK-6

Right of Way Monuments

Sta. 95+67.83, 175.00' Lt.	I-295
Sta. 13+75.56, 125.00' Rt.	Ramp TPK-7
Sta 16+64.00, 125.00' Rt.	" "
Sta 10+13.87, 125.00' Rt.	Ramp TPK-5
Sta 24+56.02, 125.00' Rt.	Ramp TPK-5
Sta 17+00.00, 175.00' Rt.	Ramp TPK-6
Sta 17+00.00, 125.00' Rt.	" "
Sta 17+50.62, 125.00' Rt.	" "

Survey Monuments

Sta 10+13.87, 75.00' Rt.	Ramp TPK-7
Sta 13+75.56, 75.00' Rt.	" "
Sta 17+22.79, 75.00' Lt & 50' Rt	" "
Sta 19+89.76, 75.00' Rt.	" "
Sta. 19+89.76, 125.00' Rt.	" "
Sta. 21+67.30, 75.00' Rt.	" "
Sta. 21+67.30, 150.00' Rt.	" "
Sta 0+00.00, 50' Rt.	[illegible]
Sta 19+41.53, 100' Rt.	Ramp TPK-5
Sta 1+80.07, 50' Rt.	" "
Sta 1+80.07, 100' Rt.	" "
Sta 17+50.62, 80' Rt	Ramp TPK-6

Bracing Assembly, Type I - Metal Posts

Sta. 95+68	175' Lt.	I-295
Sta. 11+79	125' Rt.	Ramp TPK-7
Sta. 12+13	125' Rt.	Ramp TPK-7
Sta. 16+64	125' Rt.	Ramp TPK-7
Sta 16+90	20' Rt	Ramp TPK-5
17+73	113' Rt	" "
20+00	125' Rt	" "
20+67	125' Rt	" "
21+12	125' Rt	" "
21+50	125' Rt	" "

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

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STA 95+00 - STA 110+00
RAMPS TPK 5, TPK 6 & TPK 7
STATE ROUTE 703

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

I-295 Scarborough - South Portland

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

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

		BY	DATE
ORIGINAL SURVEY	SURVEYED		
	PLOTTED	T.J.W. & R.C.A.	7-3-69
NOTE BOOK	TEMPLATE		
	AREAS		
NO. 295/235	AREAS CHECKED		

V.C.=1000'
E=-5.0'
SSD=675'
P.V.I. Sta. 100+50
Elev.=80.14
P.V.C. Sta. 95+50
Elev.=70.14
P.V.T. Sta. 105+50
Elev.=70.14
+2.00%
-2.00%
FINISH GRADE
FUTURE FINISH GRADE
13"
18"
13"
(@ Approach Slab)
13"
18"
LIMIT OF STAGE CONSTRUCTION
As Built 1971
LIMIT OF STAGE CONSTRUCTION
As Built 1971
138" Str. Plate Pipe
80
70
60
50
40
30
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
74.94
74.69
74.34
73.89
73.34
72.69
71.94
71.09
70.14
69.14
68.14
67.14
66.14
65.14
64.14
63.14
62.14
61.14
95
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100
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110

NOTE:
TO COMPENSATE FOR ANTICIPATED SETTLEMENT, THE GRADES HAVE BEEN ADJUSTED FROM STA 96+00 TO STA 99+00.
SEE NOTES SHEET 65

5" Aggregate Subbase Course - Gravel
Sta 96+00 Ahd to SR703 Bridge NB & SB
From Bridge Ahd to Sta 107+50 SB only

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

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

Sta. 95+0 to Sta. 110+0

I-295 Scarborough- South Portland (Profile)

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I - 295 - 3 (4A	61	103

N 290,000
E 456,000
E 456,500
E 457,000
N 289,500
N 289,000
E 456,000
E 456,500
Sta 38+33.35 Ramp Tpk 6 opp
Sta 39+00 S.R. 703
150'
Sta 38+33.35 Ramp TPK-6
Limit of Work
Selective Clearing & Thinning
Clearing Limit Line
Line
Match
45'
38
37
36
39
40
41
42
Ramp TPK-6 opp S.R. 703
Set 1971
Set 1971
P.T. Sta. 33+51.89
125'
Sta. 43+81.46
75'
45.00'
Line
Match
175'
35
S64°-53'-23.0"E
42
34
43
33
44
32
45
31
8'
15'
+5"
46
30
+6"
29
8' Shoulder
28
4'Shoulder
27
C.E. As Built 1971
26
47
S64°-53'23.0"E
36.00'
703 N.B.
48
49
703 S.B.
150
50
Existing 8' Shoulder
51
52
Clearing
Selective
Limit
Clearing
Thinning
Set 1971
125'
Line
Set 1971
50'
25
24
23
22
21
Ramp TPK-6
+6"
Line
Match
Ditch out
Clearing Limit Line
Sta 54+02.89 S.R. 703 =
Sta 100+65.91 I-295
53
54
55
56
57
Match Line
Set 1971
175'
Set 1971
175'
J 2 28.06
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
℄ As Built 1971

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

RAMP TPK-6

P.I. Sta. 25+72.77
Δ = 32°-01'-31" Rt.
D = 2°-00'-00"
R = 2864.79'
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

Revised As Built
E.W. Putney 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

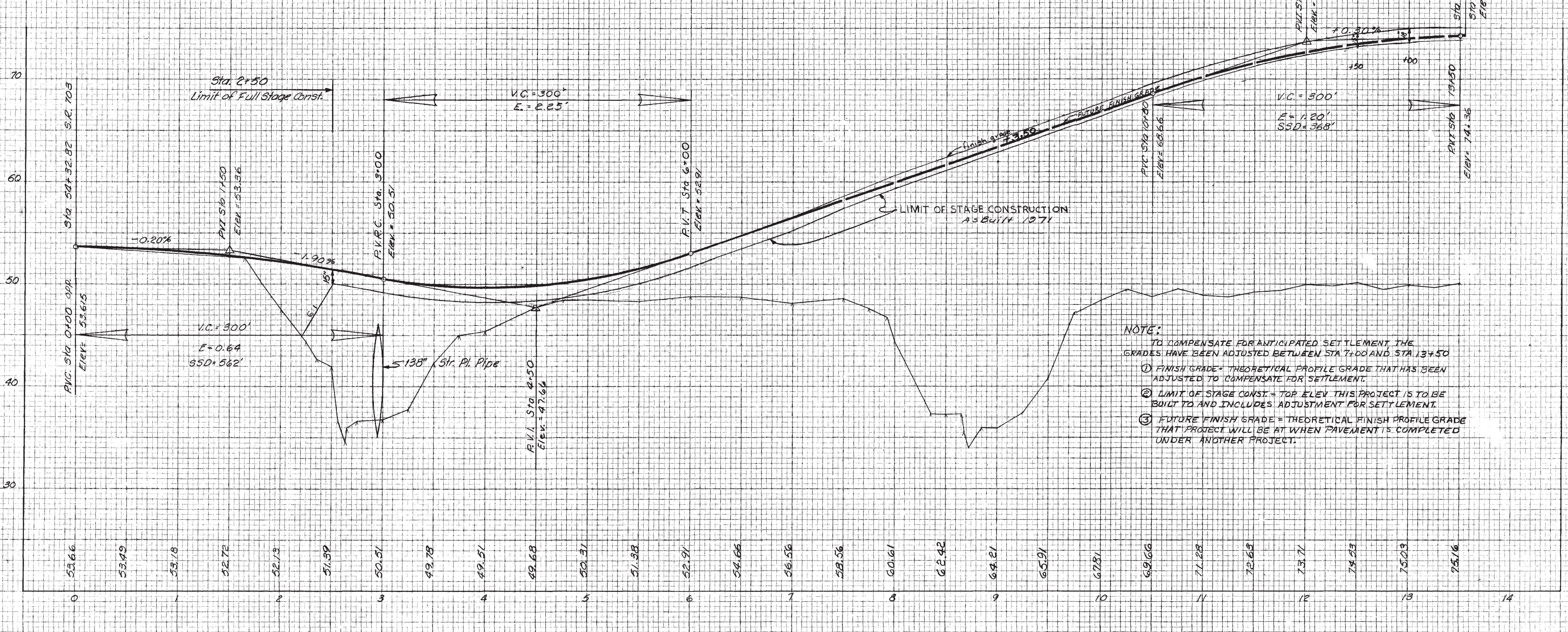
HOWARD, NEEDLES, TAMMEN & BERGENDOFF
CONSULTING ENGINEERS
NEW YORK BOSTON KANSAS CITY

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 (44)	62	103

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


Sta. 54+32.82 S.R. 703
P.V.C. Sta 0+00 opp.
Elev= 53.615
-0.20%
PVI Sta 1+50
Elev = 53.36
-1.90%
Sta. 2+50
Limit of Full Stage Const.
15"
6:1
V.C. = 300'
E = 0.64
SSD = 562'
P.V.R.C. Sta. 3+00
Elev = 50.51
5'138" Str. Pl. Pipe
V.C. = 300'
E. = 2.25'
P.V.I. Sta 4+50
Elev. = 47.66
P.V.T Sta 6+00
Elev = 52.91
LIMIT OF STAGE CONSTRUCTION
As Built 1971
finish grade
+3.50
FUTURE FINISH GRADE
PVC Sta 10+80
Elev = 68.66
V.C. = 300'
E = 1.20'
SSD = 368'
PVI Sta 12+00
Elev = 73.91
+0.30%
+50
+00
PVT Sta 13+50
Elev = 74.36
Sta 13+55.53 Ramp TPK-5 opp.
Sta 99+85.00 I-295
Elev = 74.37
70
60
50
40
30
53.66
53.49
53.18
52.72
52.13
51.39
50.51
49.78
49.51
49.68
50.31
51.38
52.91
54.66
56.56
58.56
60.61
62.42
64.81
65.91
67.81
69.66
71.28
72.63
73.71
74.53
75.03
75.16
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED	RCA	
	TEMPLATE		
	AREAS		
NO. 295-244	AREAS CHECKED		

RAMP TPK-5
PROFILE

Sta. 0+0 to 14+0

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

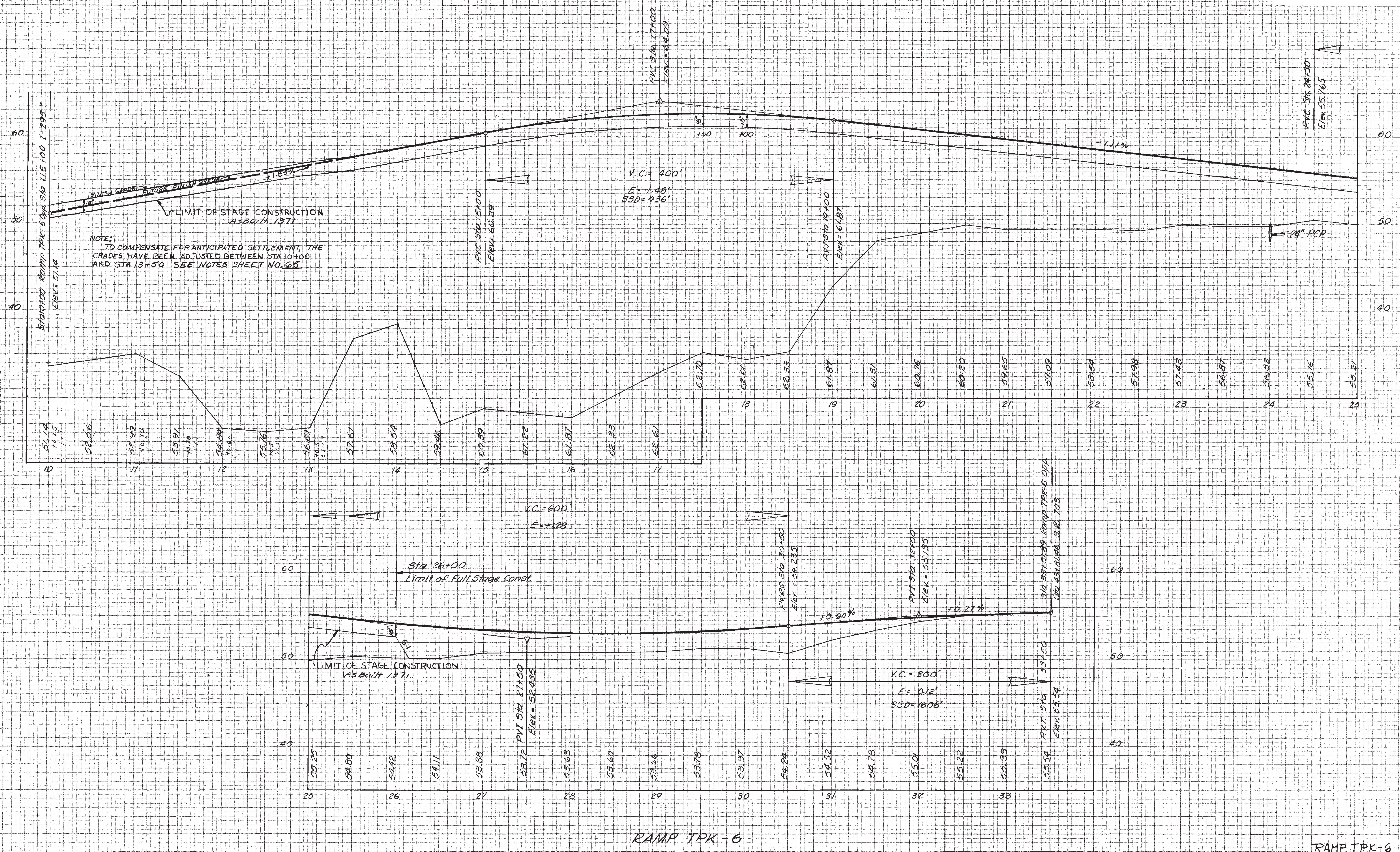
PLATE 3 CROSS SECTION B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

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	63	103

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

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


PVI Sta. 17+00
Elev. = 64.09
PVC Sta. 24+50
Elev. 55.765
60
50
40
Sta10+00 Ramp TPK-6 Opp. Sta 115+00 I-295
Elev. = 51.14
18"
FINISH GRADE
FUTURE FINISH GRADE
+1.85%
LIMIT OF STAGE CONSTRUCTION
As Built 1971
18"
15"
+50
+00
-1.11%
V.C. = 400'
E = -1.48'
SSD = 436'
PVC Sta 15+00
Elev. = 60.39
PVI Sta 19+00
Elev. = 61.87
24" RCP
51.14
+0.85
52.06
52.99
+0.80
53.91
+0.70
54.84
+0.60
55.76
+0.5
56.69
+0.50
57.61
58.54
59.46
60.39
61.22
61.87
62.33
62.61
62.70
62.61
62.33
61.87
61.31
60.76
60.20
59.65
59.09
58.54
57.98
57.43
56.87
56.32
55.76
55.21
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
V.C. = 600'
E = +1.28
Sta. 26+00
Limit of Full Stage Const.
15"
6:1
LIMIT OF STAGE CONSTRUCTION
As Built 1971
PVI Sta 27+50
Elev. = 52.435
PVRC Sta 30+50
Elev. = 54.235
+0.60%
PVI Sta 32+00
Elev. = 55.135
+0.27%
Sta 33+51.89 Ramp TPK-6 Opp.
Sta 431+81.46 S.R. 703
33+50
V.C. = 300'
E = -0.12'
SSD = 1606'
P.V.T. Sta
Elev. 55.54
55.25
54.80
54.42
54.11
53.88
53.72
53.63
53.60
53.66
53.78
53.97
54.24
54.52
54.78
55.01
55.22
55.39
55.54
25
26
27
28
29
30
31
32
33

NOTE:
TO COMPENSATE FOR ANTICIPATED SETTLEMENT, THE GRADES HAVE BEEN ADJUSTED BETWEEN STA 10+00 AND STA 13+50 SEE NOTES SHEET NO. 65

RAMP TPK-6

RAMP TPK-6
PROFILE

Sta. 10+0 to Sta. 33+0

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

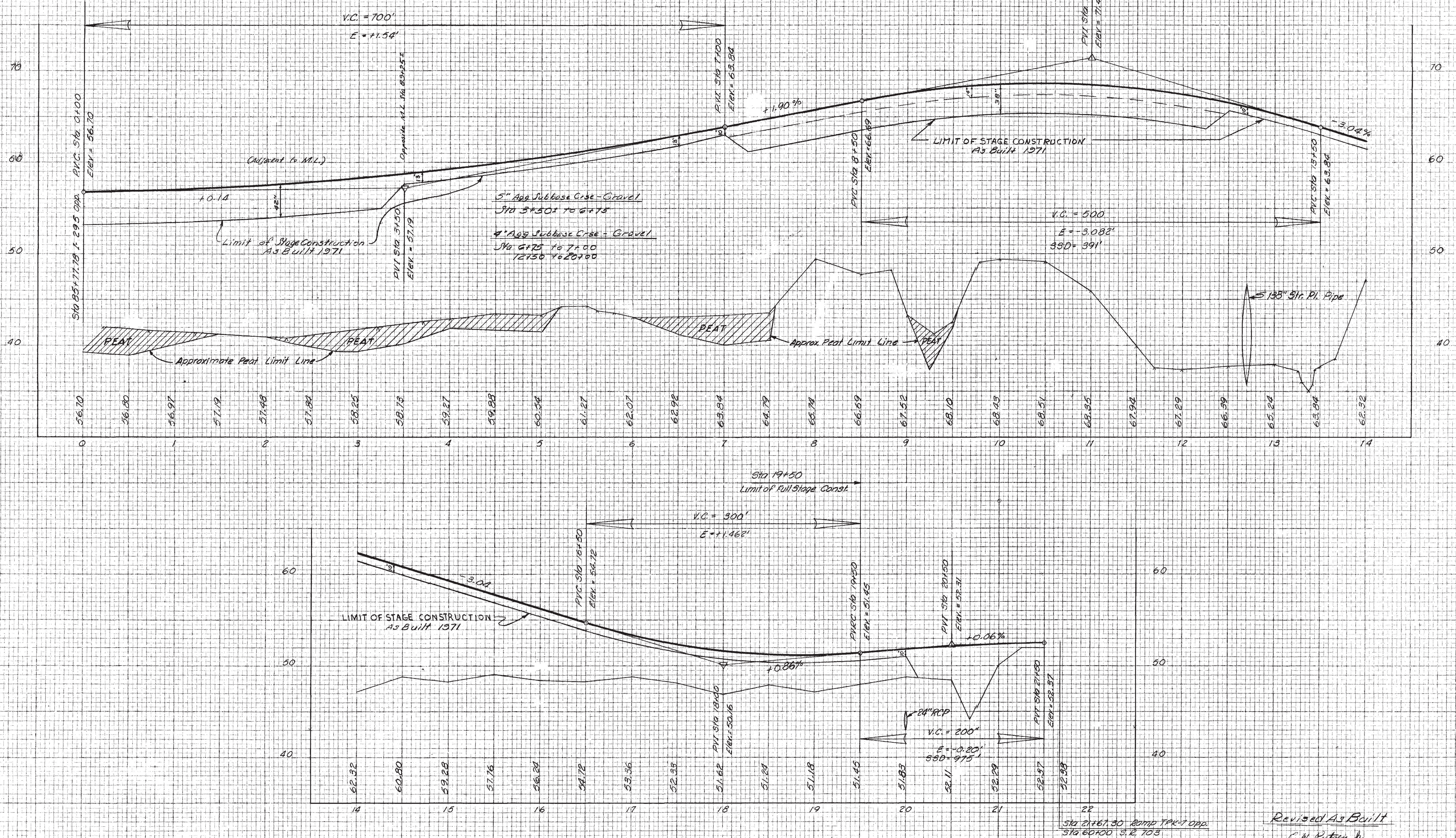
PLATE 3 CROSS SECTION B P R STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

I-295 Scarborough - South Portland (Profile)

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)	64	103

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


V.C. = 700'
E = +1.54'
P.V.C. Sta 0+00
Elev = 56.70
Sta 85+77.78 I 295 Opp.
(Adjacent to M.L.)
+0.14
42"
13"
10"
Opposite M.L. Sta 89+25±
PVI Sta 3+50
Elev = 57.19
Limit of Stage Construction
As Built 1971
5" Agg Subbase Crse - Gravel
Sta 3+50± to 6+75
4" Agg Subbase Crse - Gravel
Sta 6+75 to 7+00
12+50 to 20+00
PEAT
Approximate Peat Limit Line
P.V.I. Sta 7+00
Elev = 63.84
+1.90%
PVC Sta 8+50
Elev = 66.69
14"
38"
LIMIT OF STAGE CONSTRUCTION
As Built 1971
PVI Sta 11+00
Elev = 71.44
PVC Sta 13+50
Elev = 63.84
-3.04%
V.C. = 500
E = -3.082'
SSD = 391'
Approx. Peat Limit Line
5 138" Str. Pl. Pipe
70
60
50
40
56.70
56.80
56.97
57.19
57.48
57.84
58.25
58.73
59.27
59.88
60.54
61.27
62.07
62.98
63.84
64.79
65.74
66.69
67.52
68.10
68.43
68.51
68.35
67.94
67.29
66.39
65.24
63.84
62.32
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
Sta 19+50
Limit of Full Stage Const.
V.C. = 300'
E = +1.462'
-3.04
LIMIT OF STAGE CONSTRUCTION
As Built 1971
PVC Sta 16+50
Elev = 54.72
PVI Sta 18+00
Elev = 50.16
+0.86%
PVRC Sta 19+50
Elev = 51.45
PVI Sta 20+50
Elev = 52.31
+0.06%
24" RCP
V.C. = 200'
E = -0.20'
SSD = 975'
PVT Sta 21+50
Elev = 52.37
62.32
60.80
59.28
57.76
56.24
54.72
53.36
52.33
51.62
51.24
51.18
51.45
51.83
52.11
52.29
52.37
52.38
14
15
16
17
18
19
20
21
22
Sta 21+67.30 Ramp TPK-7 Opp.
Sta 60+00 S.R. 703

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
295/244	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

RAMP TPK-7

Revised As Built

C. W. Putney Jr.
5-20-74

RAMP TPK-7
PROFILE

Sta. 0+0 to Sta. 22+0

I-295 Scarborough - South Portland

Printed in U.S.A.
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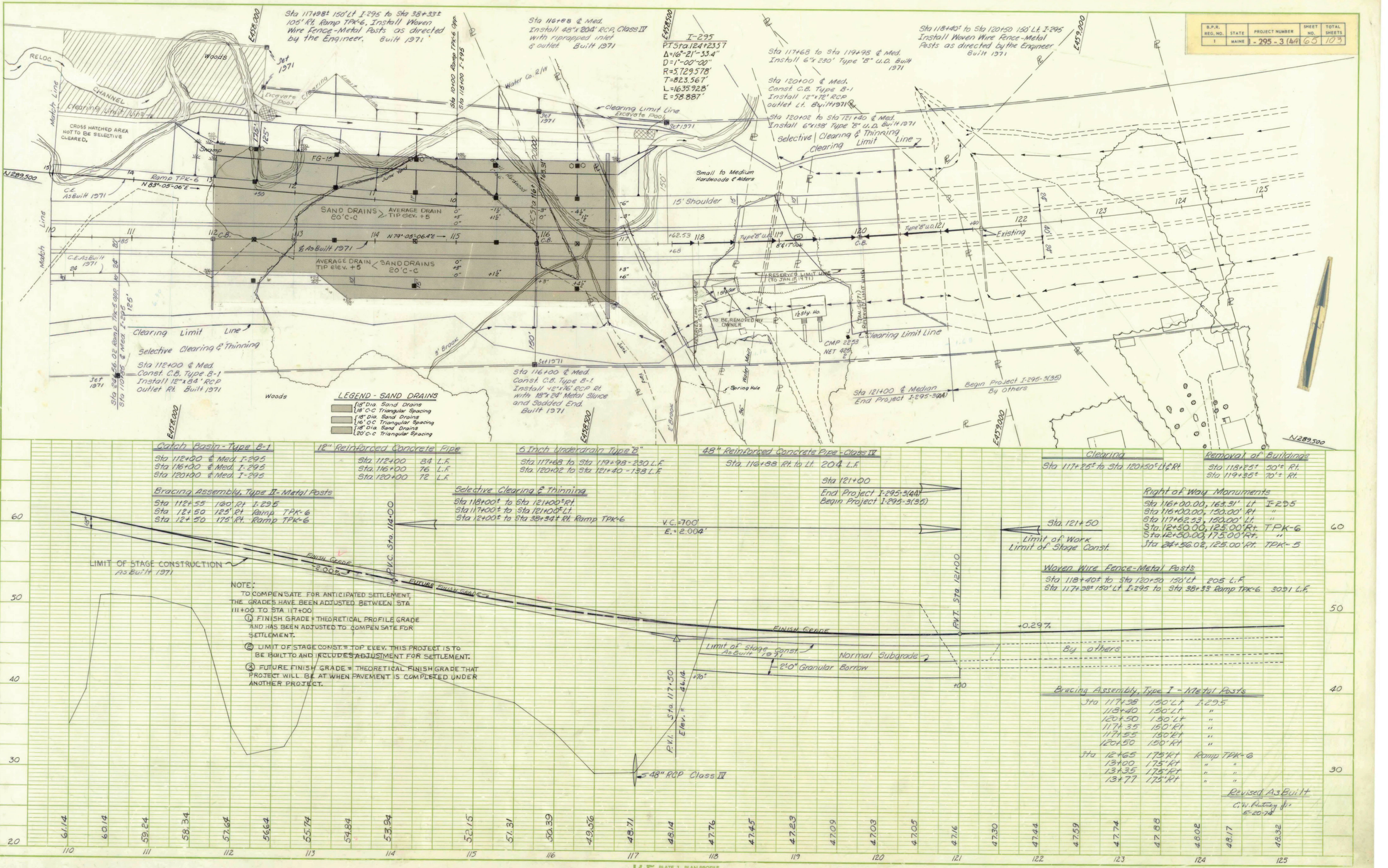
PLATE 3 CROSS SECTION B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

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)	65	103



E458,000
E458,500
E459,000
N289,500
Reloc. Channel
Match Line
Clearing Limit Line
CROSS HATCHED AREA NOT TO BE SELECTIVE CLEARED.
Woods
Set 1971
Excavate Pool
Swamp
Ramp TPK-6
N 83°-05'-06"E
C.E. AsBuilt 1971
175'
125'
FG-15"
June Yard
Hardwood
Sta 10+00 Ramp TPK-6 Opp.
Sta 115+00 I-295
Water Co. R/W
PC Sta 116+
163.31'
SAND DRAINS 20'C-C
AVERAGE DRAIN TIP elev. +5
N 79°-05'-06.4"E
℄ AsBuilt 1971
C.B.
15' Shoulder
150'
Small to Medium Hardwoods & Alders
Type "B" U.D.
Existing
RESERVED LIMIT LINE (TO JAN.15 1971)
TO BE REMOVED BY OWNER
1½ Sty. Ho.
CMP 22.53 NET 42.5
Clearing Limit Line
3' Brook
2' Brook
Spring Hole
Water Main
Junk
Begin Project I-295-3(35) By others
Sta 121+00 ℄ Median End Project I-295-3(44)
Sta 24+56.02 Ramp TPK-5 Opp.
Sta 110+85 ℄ Med. I-295
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
LIMIT OF STAGE CONSTRUCTION AsBuilt 1971
FINISH GRADE
-2.00%
P.V.C. Sta. 114+00
FUTURE FINISH GRADE
V.C.=700'
E.=2.004'
P.V.I. Sta 117+50
Elev. = 46.14
48" RCP Class IV
Limit of Stage Const. AsBuilt 1971
Normal Subgrade
2'-0" Granular Borrow
P.V.T. Sta 121+00
+0.297%
By others
60
50
40
30
20
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
47.88
48.02
48.17
48.32

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 IV 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"x 72' RCP outlet Lt. Built 1971

Sta 120+02 to Sta 121+40 ℄ Med. Install 6"x138' Type "B" U.D. Built 1971

Selective Clearing & Thinning

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

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

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

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.

Sta 121+00
End Project I-295-3(44)
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+35±	70'± Rt.

Bracing Assembly, Type II - Metal Posts

Sta 112+55	160' 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+34± Rt. Ramp TPK-6

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

Sta. 121+50
Limit of Work
Limit of Stage Const.

Woven Wire Fence-Metal Posts
Sta 118+40± to Sta 120+50 150' Lt 205 L.F.
Sta 117+38± 150' Lt I-295 to Sta 38+33 Ramp TPK-6 3031 L.F.

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.

Bracing Assembly, Type I - Metal Posts

Sta	117+98	150' Lt	I-295
	118+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. Putney Jr.
5-20-74

PLAN		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

PROFILE		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED	T.J.W. & R.C.A.	7-3-69
NO.	GRADES CHECKED		
	B. M.S NOTED		
	STRUCTURE NOTAT'NS CH'KD		

K+E PLATE 1. PLAN-PROFILE KEUFFEL & ESSER CO.

I-295 Scarborough - South Portland

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I - 295 - 3 (44)	66	103

Toll Plaza to be Constructed by others
10' Shoulder
4' Shoulder
R=1000'
R=5'
Grate El. 61.14
60
61
62
63
64
65
66
67
68
69
70
23
24
25
26
END AGG. SUBBASE CRSE-SAND
BEGIN AGG. SUBBASE CRSE-SAND
Sta 24+75.00 ℄ I-295 =
Sta 26+14.27 ℄ Access Road
Sta. 65+50 Match Line
R=10'
R=5'
R=25'
P.T. +89.27
P.C. +50
12'
20'
11'
2'
16'
8'
58.32 Grate El.
P.C. Sta. 67+39.48
R = 5729.578'
R=30'
+13
+63
T.C.

ACCESS ROAD
P.I. Sta. 24+75.00
Δ = 90°-00'-00"
D = 229°-10'-59.5"
T = 25.00'
L = 39.27'
R = 25.00'
E = 10.35'

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

MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

TOLL PLAZA

GRADING PLAN

BRUNING 44-302