FORM NO. ENG. 11 ED. 8-53

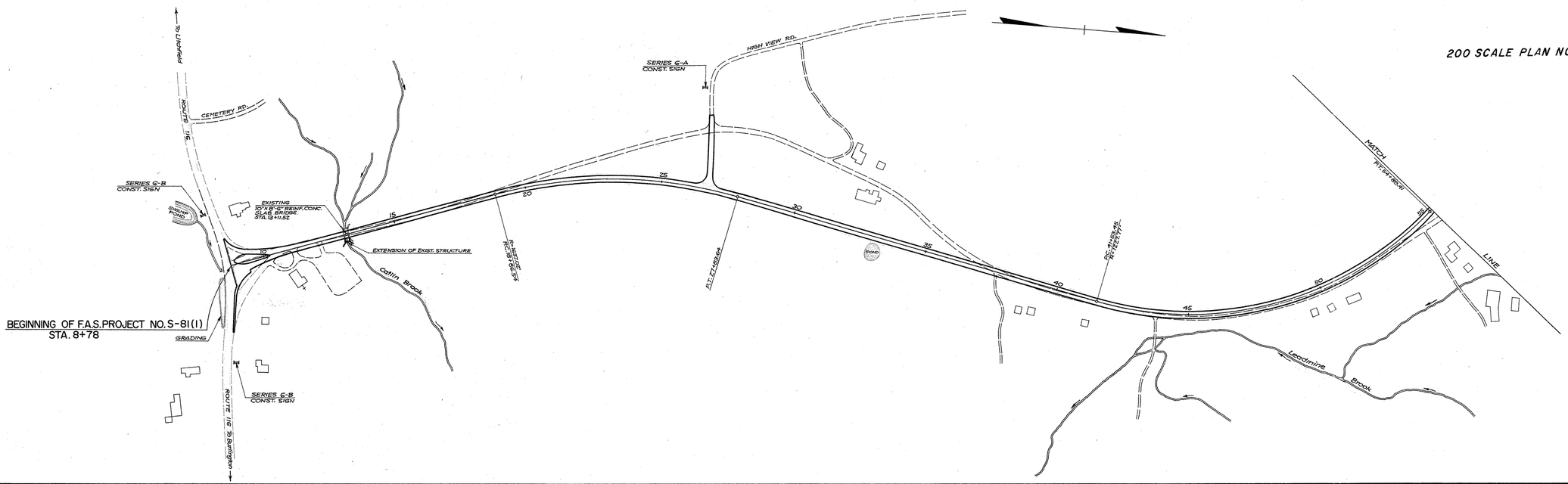
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARWINTON & TORRINGTON	S-81(1)	65-62	1958	72	2	125

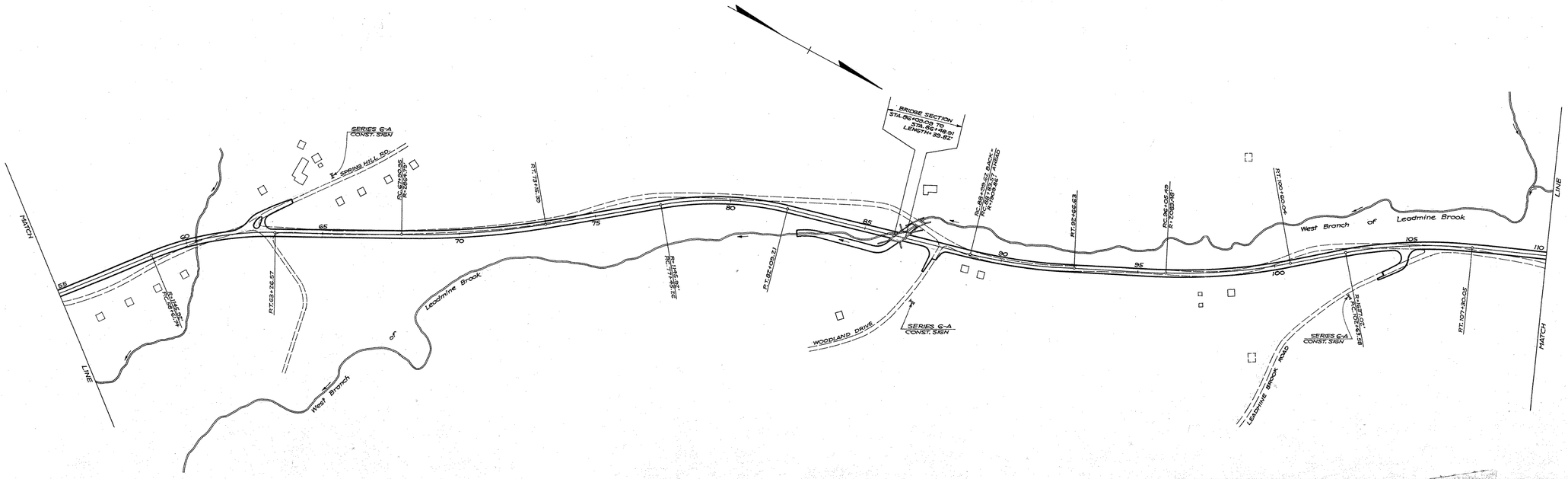
INDEX PLAN

SCALE: 1"=200'

RELOCATION OF ROUTE 72

200 SCALE PLAN NOT CORRECTED





PLAN	BY	DATE	CHECKED BY	DATE
Surveyed				
Plotted				
Traced	H.R.	Feb. 1957		
Designed	J.V.C.	July 1957		
Name Const. Noted	W.R.	July 1957		
Top. Field Chk. noted				
NOTE BOOK				
NO.				

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Eugene Dietzgen Co., Inc., New York, N. Y. No. 350 Imperial Tracing Cloth

65 62

M 217 02

FORM NO. ENG. 12 ED. 3-49

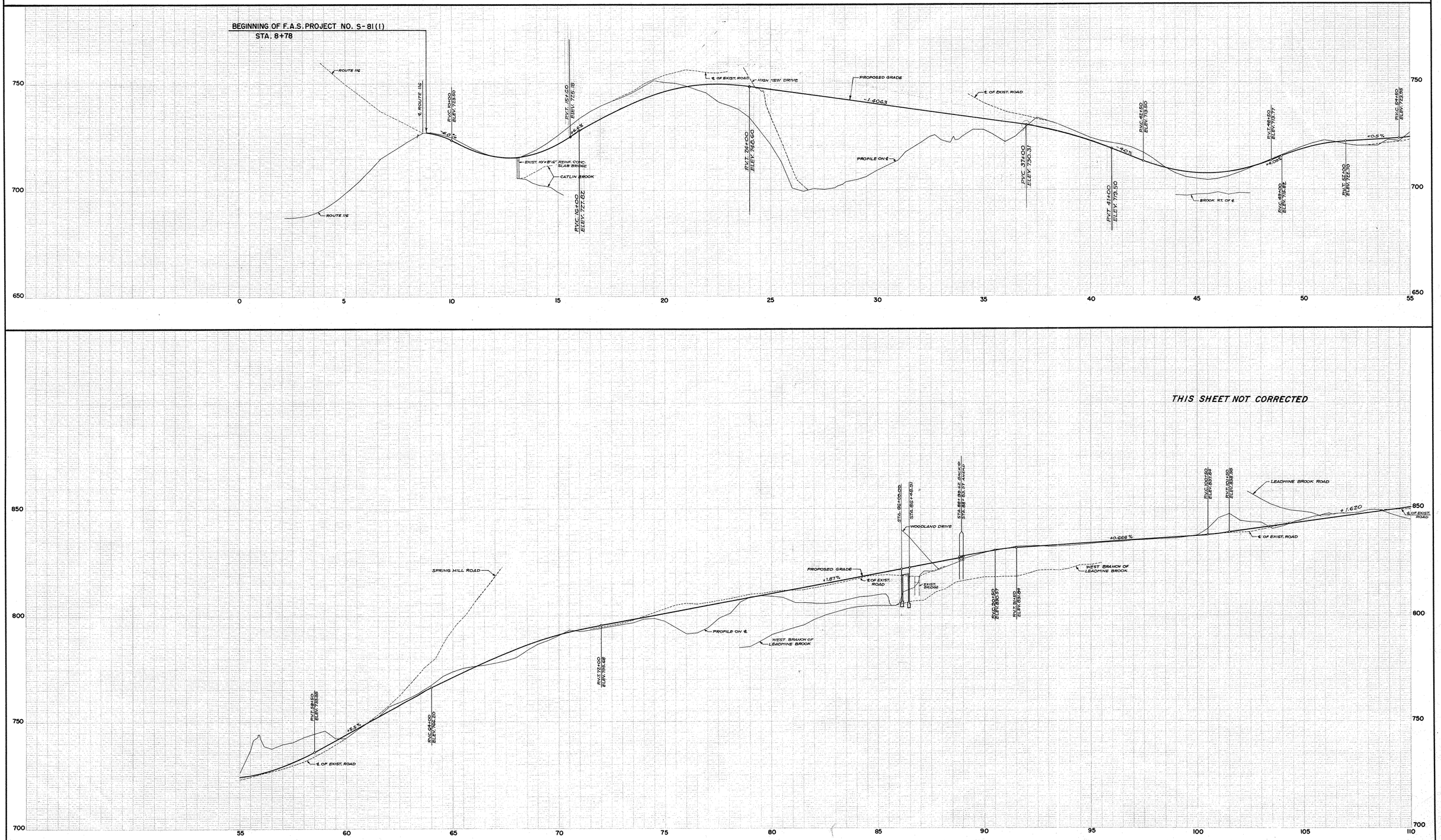
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARWINTON & TORRINGTON	S-81(1)	65-62	1958	72	3	125

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

INDEX PROFILE

SCALES: 1"=200' HORIZ. 1"=20' VERT.

RELOCATION OF ROUTE 72



PROFILE		BY	DATE	CHECKED BY	DATE
NOTE BOOK	Surveyed	W.B.	Feb. 1957		
	Plotted	W.B.	Feb. 1957		
	Traced				
	Designed				
NO.	New Const. Noted				
	Top. Field Chk. noted				

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 8023

65 62

M 217 02

3

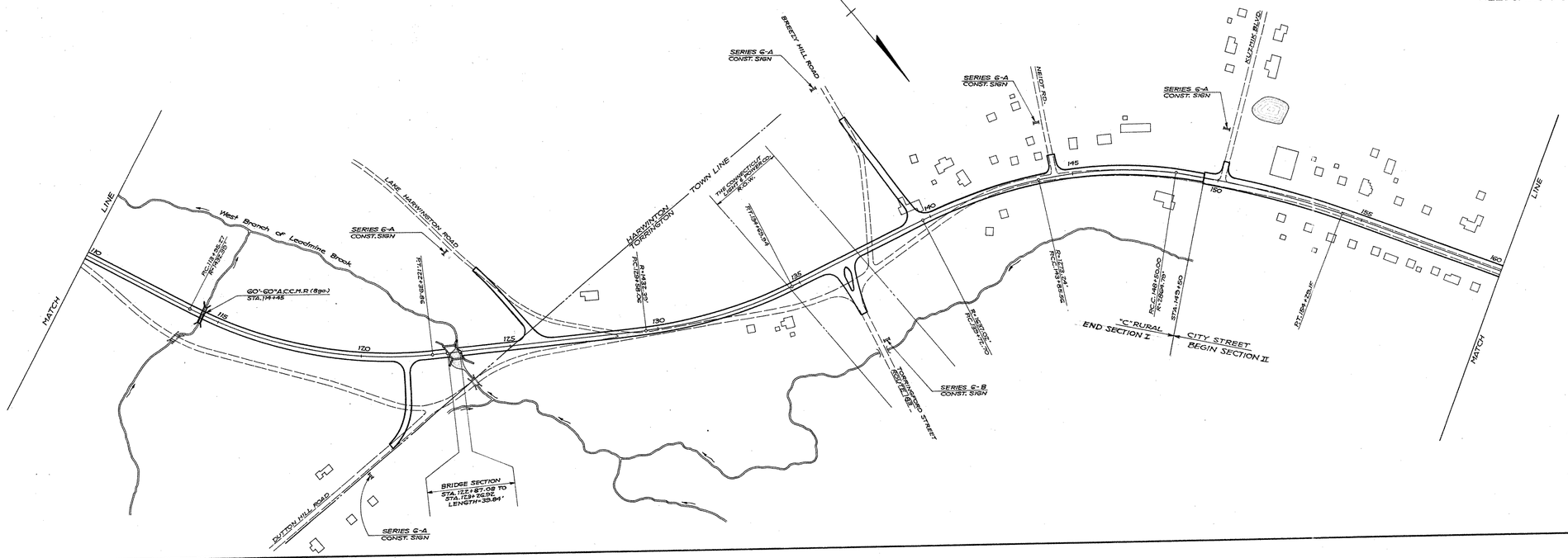
FORM NO. ENG. 11 ED. 8-53

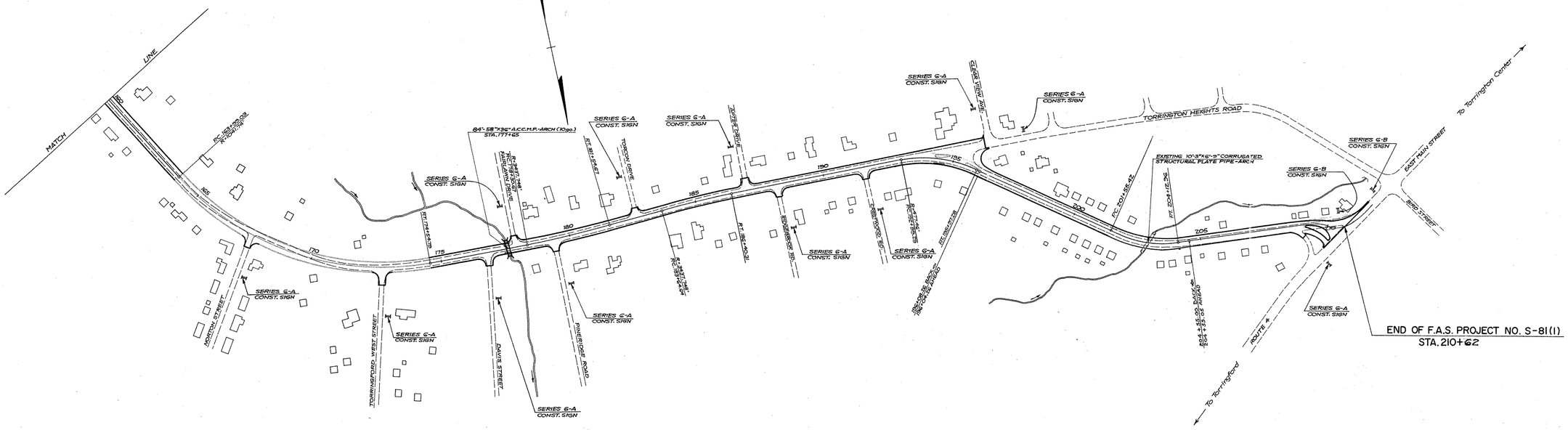
PUB. ROAD DIV. NO.	STATE	TOWNS OF	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARWINTON & TORRINGTON	S-81(1)	65-62	1959	72	4	125

INDEX PLAN

SCALE : 1" = 200'

RELOCATION OF ROUTE 72





200 SCALE PLAN NOT CORRECTED

PLAN	BY	DATE	CHECKED BY	DATE
Surveyed	W.B.	Feb. 1957		
Plotted	W.K.	July 1957		
Traced	W.B.	July 1957		
Designed				
Rew Const. Noted				
Top. Field Chk. noted				
NOTE BOOK				
NO.				

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Eugene Ditzgen Co., Inc., N.w York, N. Y. No. 185 Imperial Tracing Cloth

65 62

217 02

FORM NO. ENG. 12 ED. 3-49

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

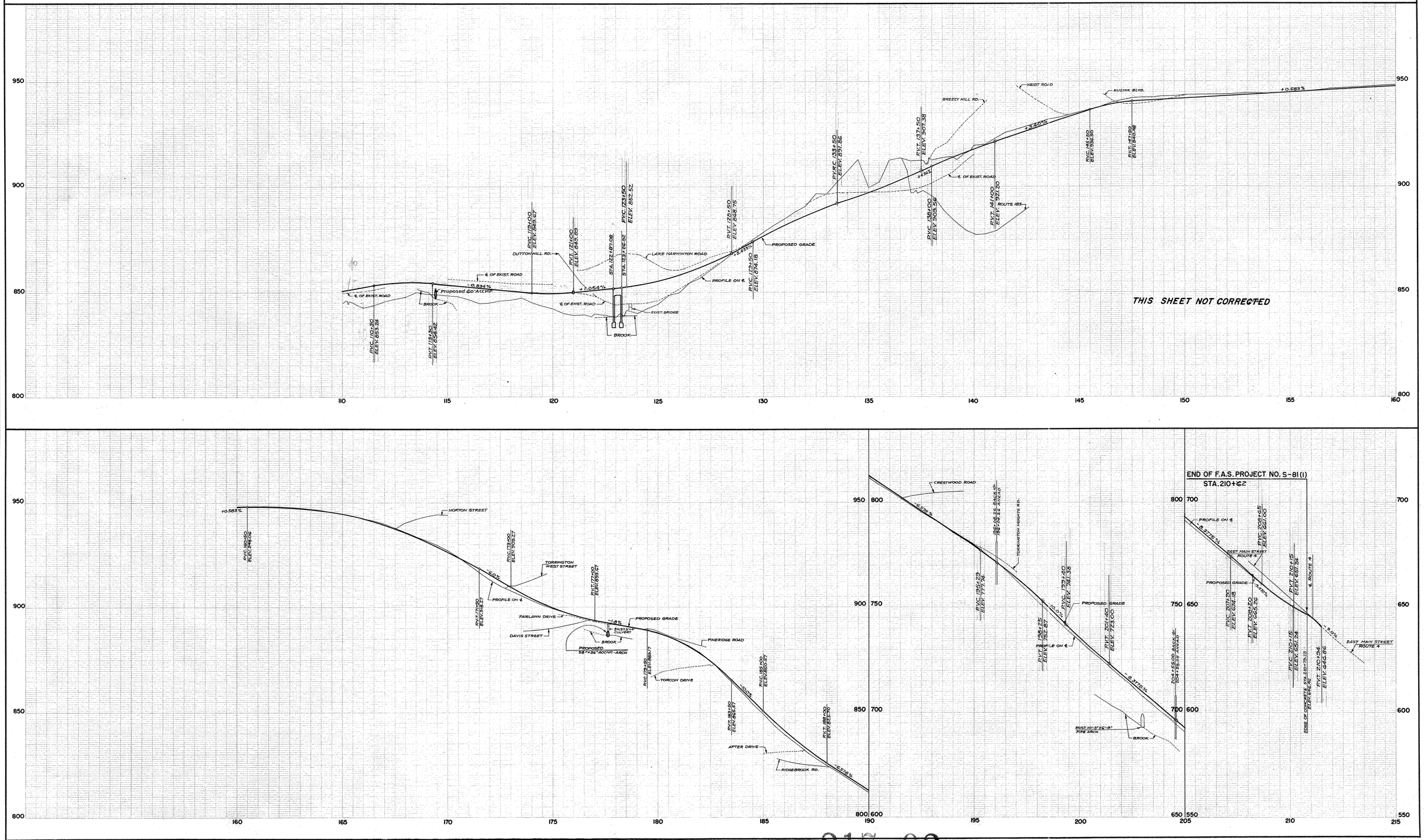
INDEX PROFILE

SCALES: 1"=200' HORIZ. 1"=20' VERT.

PUB. ROAD DIV. NO.	STATE	TOWNS OF	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARWINTON & TORRINGTON	S-81(1)	65-62	1958	72	5	125

RELOCATION OF ROUTE 72

PROFILE		BY	DATE	CHECKED BY	DATE
NOTE BOOK	Surveyed	W.B.	Feb. 1957		
	Plotted	W.B.	Feb. 1957		
	Traced				
	Detailed				
NO.	New Const. Noted				
	Top. Field Chk. noted				



"KEUFFEL & ESSER CO." TRACING CLOTH JOSEPH MERRITT & CO. 9088

65 62

217 02

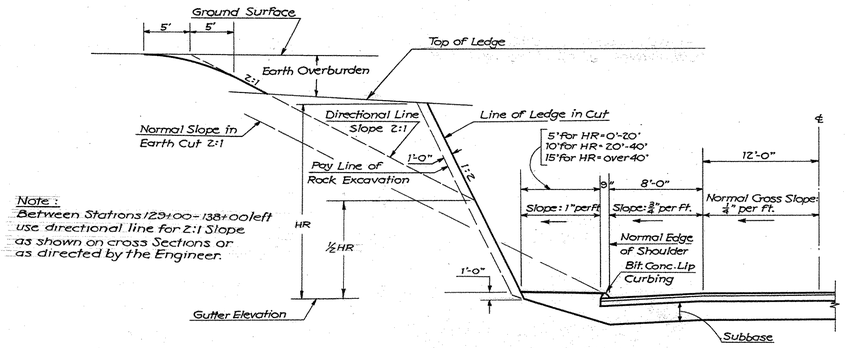
5

TYPICAL CROSS SECTIONS

NOT TO SCALE

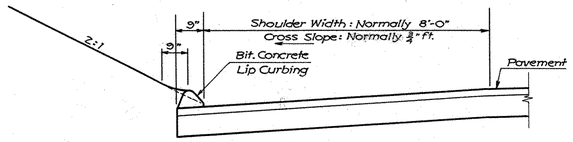
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARWINTON & TORRINGTON	S-811(1)	65-62	1958	72	8	125

RELOCATION OF ROUTE 72

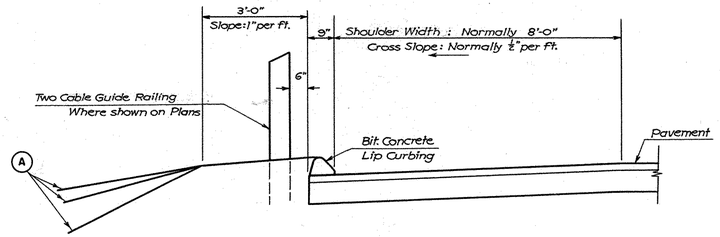


Note:
Between Stations 129+00 - 138+00 left use directional line for 2:1 Slope as shown on cross Sections or as directed by the Engineer.

PARTIAL SECTION
SHOWING TREATMENT OF ROCK IN CUT

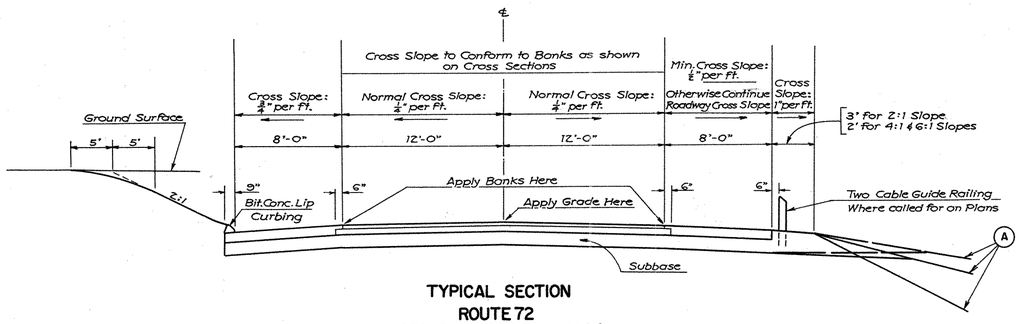


SECTION IN EARTH CUT



SECTION IN FILL

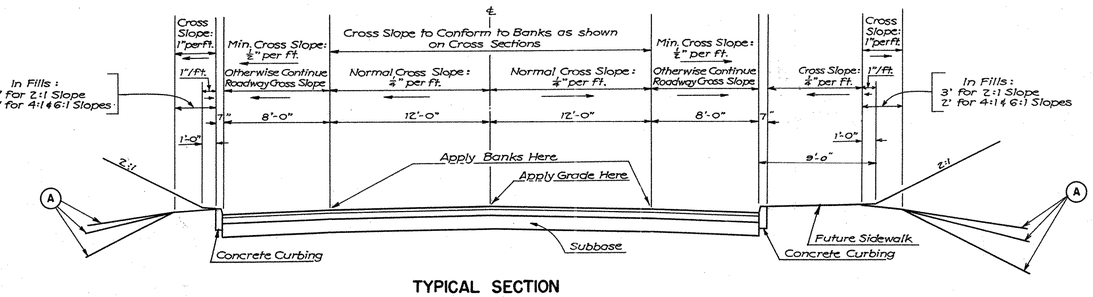
PARTIAL SECTIONS
SHOWING SHOULDER WITH BITUMINOUS CONCRETE LIP CURBING



TYPICAL SECTION
ROUTE 72
STA. 8+76 TO STA. 149+50

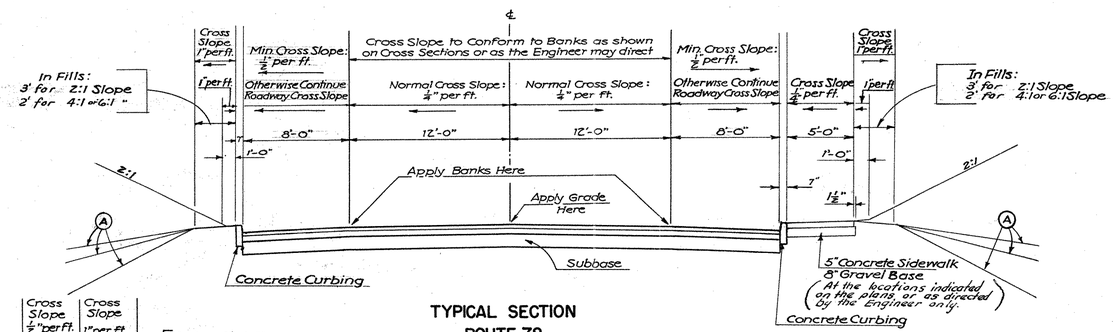
PAVEMENT
1 1/4" Hot Asphalt Concrete on
1 1/2" Bituminous Concrete Binder Course on
3" Bituminous Macadam Base on
3" Broken Stone Base

SHOULDERS
2 1/2" Bituminous Macadam Pavement on 6" Rolled Gravel Base



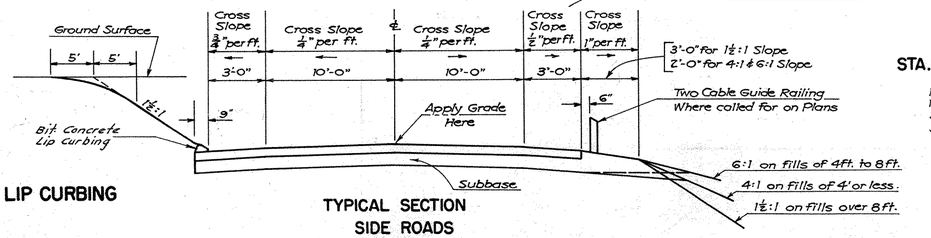
TYPICAL SECTION
ROUTE 72
STA. 149+50 TO STA. 196+35

1 1/4" Hot Asphalt Concrete on
1 1/2" Bituminous Concrete Binder Course on
3" Bituminous Macadam Base on
3" Broken Stone Base



TYPICAL SECTION
ROUTE 72
STA. 196+35 TO STA. 210+62

1 1/4" Hot Asphalt Concrete on
1 1/2" Bituminous Concrete Binder Course on
3" Bituminous Macadam Base on
3" Broken Stone Base



TYPICAL SECTION
SIDE ROADS

8" Rolled Bank Gravel (Surface Treated)

NO REVISIONS SUBMITTED FOR THIS SHEET

(A) Fill Slopes - Slope 4:1 on fills of 4 ft. or less; Slope 6:1 on fills of 4ft. to 8 ft.; Slope 2:1 on fills over 8 ft.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

PLAN NOTE BOOK NO.	BY	DATE	CHECKED BY	DATE
Surveyed				
Plotted				
Traced				
Designed	W.B.	Aug. '57		
New Constr. Noted				
Topo. Field Chk. noted				

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9029

65 62

217 02

FORM NO. ENG. 11 * ED. 8-53

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARWINTON	S-81(1)	65-62	1958	72	19	125

RELOCATION OF ROUTE 72
Minimum Width of Right of Way = 108'

PLAN	DATE	BY
Surveyed	Dec. '56	S.J.M.
Plotted		W.B.
Traced	April '57	M.V.
Checked	July '57	W.B.
New Const. Noted	July '57	
Top. Field Chk. noted		

NOTE BOOK
NO. ____

E 511,000 — N 349,000 — E 510,500 — N 348,000 — E 511,500 — N 348,500 — E 511,500

B.M.#7 ~ Elev. 824.45'
R.R. Spike in 18" Maple

R.S.#20 N 348,393.23 E 510,918.56

B.M.#8 ~ Elev. 821.61'
R.R. Spike in 18" Birch

Base & Center Line Curve Data
Δ = 11°29'30"
D = 3°00'00"
R = 1909.86'
T = 192.17'
L = 383.06'

Bridge Section
℄ Sta. 86+09.09 to Sta. 86+48.91
Length = 39.82'

REIN. CONC. SLAB & BEAM BRIDGE
Width 19.5'
Depth 8.5'
Stone Masonry Abut. & Wing Wall
Bottom Natural River Bed
Condition Fair
Width of Roadway 21.5'±

Sta. 89+00 to Sta. 91+25
Widen Shoulder on right to widths as shown on Cross-Sections or as directed.

P.I. N 347,863.53 E 511,173.91

60'-18" R.C.P.
"D-6" End Wall
Type "C" C.B. Rt. (without Sump)

Approx. Slope Limits

Highway Line 1
See R.O.W. Map 65-01

Remove

Single Posts Erected

Grade to Drain

Center Line 1

Highway Line 1 See R.O.W. Map 65-01

24'-18" A.C.C.M.P.
End Wall

88'-24" R.C.P.
L-End Walls

Two Cable Guide Railing

2' Paved Ditch

N 29°26'10"W ~ Taking Line ~ Base Line

Right to Drain Required

Right to Relocate Brook Channel Required

Rock Fill
See Cross Sections

Single Span Rolled Beam Bridge
℄ Sta. 86+29.00
For Details, See Sheet # 39

Remove Existing Pavement

Remove Existing Structure

Two Cable Guide Railing
48'-15" R.C.P.
Type "C" C.B. Lt. & Rt.
12"-15" R.C.P.
End Wall
2' Paved Ditch
2' Paved Ditch

Limit of Construction

Ditch Inlet
118'-U drain with 6" Perf. A.C.C.M.P.
40'-Outlet for U drain with 6" A.C.C.M.P.

LIMIT OF CONSTRUCTION

Begin Rolled Bank Gravel Surface (Surface Treated)

Approx. Location For Series G-A Const. Sign

8'-24" R.C.P.
End Wall
~~Ditch Outlet~~
44'-24" R.C.P.
Type "C" C.B. Lt.
"D-6" End Wall Rt.

Single Posts Erected

Approx. Slope Limits

356'-U drain with 6" Perf. A.C.C.M.P.

Two-Cable Guide Railing Erected

Two Cable Guide Railing

36'-18" R.C.P.
End Wall

Approx. Slope Limits

20'-18" A.C.C.M.P.
6'-18" A.C.C.M.P. Elbow
"D-6" End Wall
40'-18" R.C.P.
2-Type "C" C.B.'s

2' Paved Ditch

Woods

West Branch of Leadmine Brook

Boulders

Gravel Drive

Taking Line

Base Line

Center Line

Highway Line 1
See R.O.W. Map 65-01

STATE OF CONNECTICUT

GUSTAVE A. WALD

HENRY J. & JOAN D. SVETZ
(Artesian Well)
1½ STY. FR. HO.

LEMAN BIERCE

LEMAN M. BIERCE

HARRY RICHARD

PHILIP EICHNER

ARMAND J. GAUTHIER ET AL

GAR.

1 STY. FR. HO.

PORCH

Woods

Boulders

Bit. Conc. Lip Curbing
~~Sta. 85+25 to 86+28 Lt.~~
~~86+70 to 89+05 Lt.~~
~~91+35 to 122+75 Lt.~~
~~13+20 to 85+30 Rt.~~
~~86+35 to 87+35 Rt.~~
~~88+10 to 104+60 Rt.~~

Bit. Conc. Lip Curbing
Sta. 84+32 To 88+08 Lt.
86+50 To 89+55 Lt.
90+83 To 122+73 Lt.
13+25 To 85+89 Rt.
86+31 To 87+39 Rt.
88+08 To 104+32 Rt.

R.S.#21 N 348,742.23 E 510,962.83

R.S.#22 N 348,907.78 E 510,915.41

P.I. N 348,946.40 E 510,898.71

P.C. Sta. 86+60.53 N 347,999.80 E 511,126.74

℄ P.T. Sta. 87+09.39 N 348,049.38 E 511,115.58

℄ P.T. Sta. 85+63.12 N 348,449.79 E 511,023.64

℄ P.C. Sta. 89+03.57 Ahead = ℄ P.C. Sta. 88+93.57 Back N 348,800.23 E 510,394.37

Center Line Curve Data
Δ = 23°11'50"
D = 5°00'00"
R = 1145.92'
T = 235.19'
L = 463.95'

Base Line Curve Data
Δ = 15°09'40"
D = 3°00'00"
R = 1909.86'
T = 252.76'
L = 502.59'

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Eugene Dietzgen Co., Inc., New York, N. Y. No. 135 Imperial Tracing Cloth

65 62

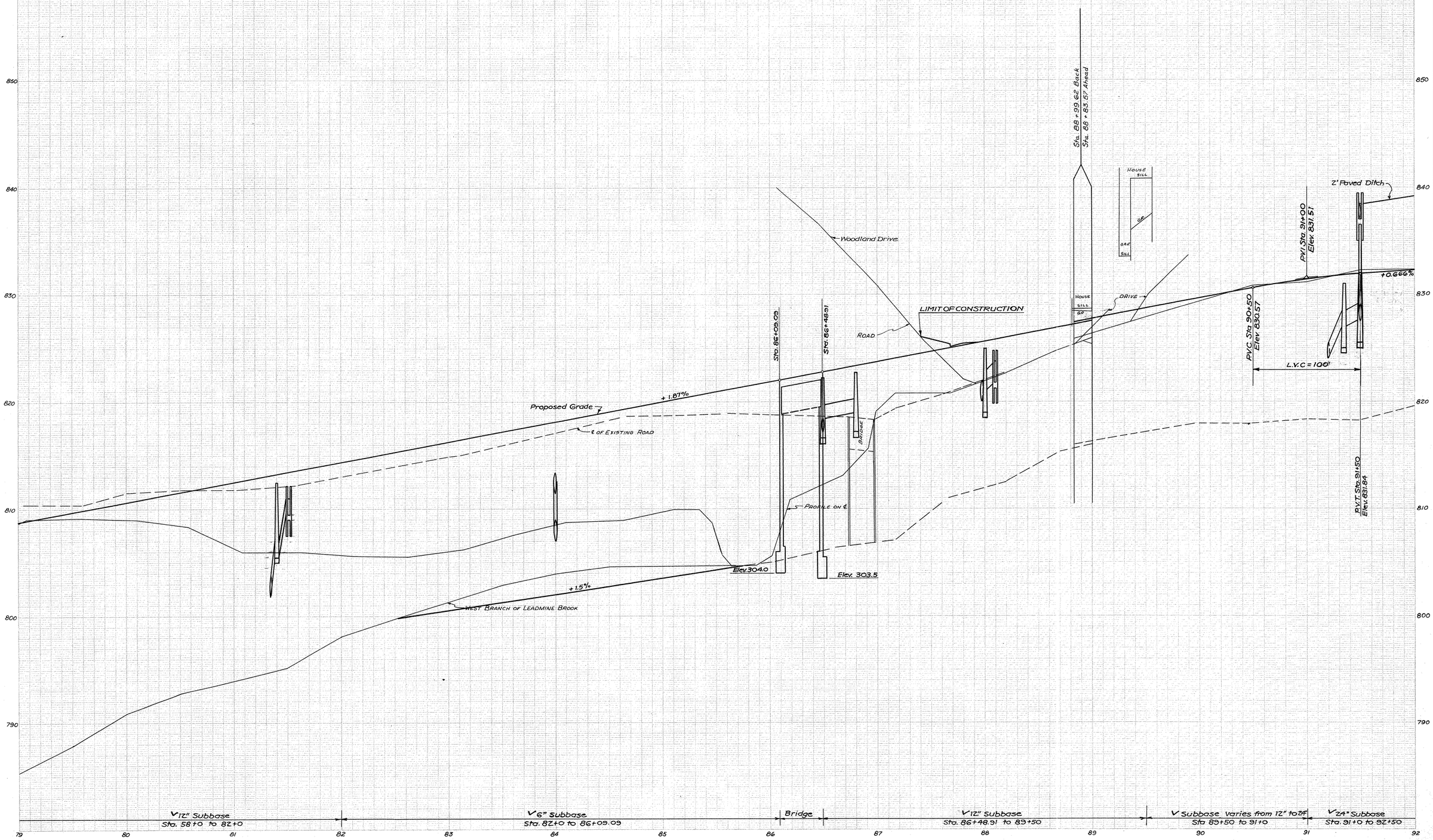
217 02

FORM NO. ENG. 12 ED 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARWINTON	S-81(1)	65-62	1958	72	20	125

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS, IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

RELOCATION OF ROUTE 72



PROFILE		BY	DATE	CHECKED BY	DATE
NOTE BOOK	Surveyed	S.J.M.	Dec. '56		
	Plotted	S.J.M.	Dec. '56		
	Traced	R.L.T.	April, '57		
	Designed	M.V.	July '57		
	New Const. Noted	R.W.P.&W.B.	July '57		
NO.	Top. Field Chk. noted				

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16281

65 62

M 217 02

20

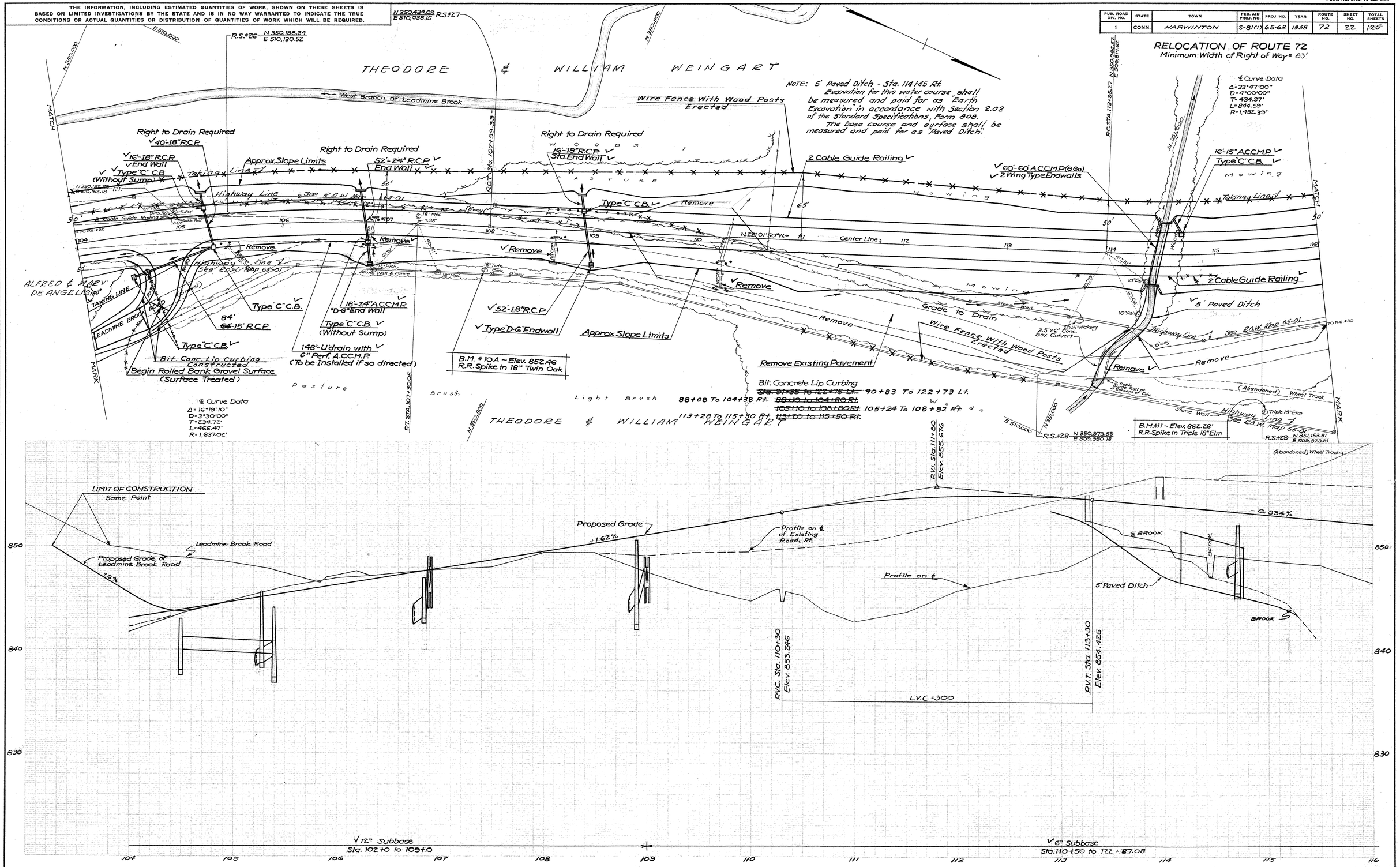
FORM NO. ENG. 10 ED. 8-55

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARWINTON	S-81(1)	65-62	1958	72	22	125

RELOCATION OF ROUTE 72

Minimum Width of Right of Way = 83'



PLAN		BY	DATE	CHECKED BY	DATE
NOTE BOOK NO.	Surveyed	S.J.M.	Dec. '56		
	Plotted	W.B.	Dec. '56		
	Traced	R.W.P.&W.B.	April '57		
	Designed	M.V.	July '57		
	New Const. Noted	R.W.P.	July '57		
	Top. Field Chk. Noted				

PROFILE		BY	DATE	CHECKED BY	DATE
NOTE BOOK NO.	Surveyed	S.J.M.	Dec. '56		
	Plotted	S.J.M.	Dec. '56		
	Grades Plotted	M.V.	July '57		
	Traced	R.W.P.&W.B.	July '57		
	New Const. Noted	M.V.	July '57		
	Designed				

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 14962

65 62

M 217 02

22

FORM NO. ENG. 11 ED. 8-54

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARWINTON & TORRINGTON	S-8100	65-62	1958	72	23	125

RELOCATION OF ROUTE 72
Minimum Width of Right of Way = 88'

PLAN	BY	DATE	CHECKED BY	DATE
Surveyed	S.C.H.	Dec. '56		
Platted	W.E.	Jan. '57		
Traced	W.B.	April '57		
Recorded	M.V.	Jan '57		
New Const. Noted	RWP	July '57		
Top. Field Chk. noted				
NOTE BOOK				
NO.				

N 351,000 E 509,000 N 351,500 N 352,000 E 509,500

LAKE HARWINTON ROAD (Surface Treated)

MARK MATCH MARK MATCH

℄ Curve Data
Δ = 33°47'00"
D = 4°00'00"
R = 1432.39'
T = 434.37'
L = 844.59'

LIMIT OF CONSTRUCTION

Approx. Location For Series G-A Const. Sign

ALBERT J. LAMBERT ET AL

THEODORE & WILLIAM WEINGART

West Branch of Leadmine Brook

Single Span Rolled Beam Bridge
℄ Sta 123+07.00
For Details See Sheet # 43

Wire Fence With Wood Posts Erected

Rt. to Relocate Brook Channel Req.

Hay Field

10" Elm

Brush

Begin Rolled Bank Gravel Surface (Surface Treated) Sta. 0+80

20'-15" A.C.C.M.P. (outlet through Wing Wall)
Type "C" C.B. (Without Sump)
2 End Walls
Paved Ditch
76'-18" R.C.P.
2 Cable Guide Railing
40'-15" R.C.P.

Remove Existing Pavement

Base Line for Cross Sections

Paved Ditch

Two-Cable Guide Railing Erected

See R.O.W. Map 65-01

Approx Slope Limits

Highway Line ℄ See R.O.W. Map 143.03

Remove

Double Type "C" C.B.

Taking Line

CHD

HARWINTON TORRINGTON

SPRING

1 STY. BRICK HO.

TOWN LINE

Gravel Drive

ALEX KOWALSKI

Remove

Highway Line ℄ See R.O.W. Map M3-03

Drainage Rt of Way Req.

Ditch

36"-24 R.C.P. End Wall

Type "C" C.B.

48"-24 R.C.P.

Approx. Slope Limits

2 Cable Guide Railing

CHD & TOWN LINE MONUMENT To be Reset by others

JOSEPHINE A. FEDOIR

Remove Existing Structure

Remove Existing Pavement

R.S. # 31 N 351,803.19 E 509,092.02

BRIDGE SECTION
Sta 122+87.08 to 123+26.92
LENGTH = 39.84

EXISTING BOX BRIDGE
Span 14'-5"
Height 5'
Total # Beam 1'-11"
Bottom Natural River Bed
Wings 1'-2" thick
Width 22'-10" (Roadway)

B.M. # 12A ~ Elev. 844.53
R.R. Spike in 24" Maple

Right to Drain Required

Rt. to Drain Req.

Woods

Approx Slope Limits

2 Cable Guide Railing

16'-15" A.C.C.M.P.
End Wall
Type "C" C.B. Without Sump

Type "C" C.B.

8'-15" A.C.C.M.P.
End Wall

Taking Line

Center Line

Type "C" C.B.
Type "L" End Wall

40'-11" Drain with 15" Perf A.C.C.M.P.
Approx. Slope Limits

32'-18" R.C.P.
Type "C" C.B.

Type "C" C.B.
24'-15" A.C.C.M.P.
6'-15" A.C.C.M.P. Elbow
Type "L" End Wall

Chisel Mark in Boulder

Hay Field

32'-15" A.C.C.M.P.
Type "C" C.B.
32'-15" R.C.P.

Grade to Drain

6" Hpl. Clump
12" Hpl.
8" Hpl. Stump

Drill Hole in Boulder near I.R.
P.I. N 351,385.79 E 509,651.46

Remove

Begin Rolled Bank Gravel Surface (Surface Treated) Sta. 0+60

2 Cable Guide Railing

Highway Line ℄ See R.O.W. Map 65-01

44'-18" R.C.P.
End Wall
(Connect Proposed 18" R.C.R. to Existing 18" R.C.P.)

Remove Existing Pavement

Rt. to Slope Req.

Single Post Erected

Wire Fence With Wood Posts Erected

LIMIT OF CONSTRUCTION

Base Line for Cross Sections

Approx Location For Series G-A Const Sign 150'± South Easterly

Drive Constructed

Remove Endwall

Single Posts Erected

R.S. # 30 N 351,783.79 E 509,720.47

BUTTON HILL ROAD (Surface Treated)

Bit. Concrete Lip Curbing
90+83 - 122+73 Lt. Sta. ~~91+35 to 122+75 Lt~~
~~123+15 to 125+15 Lt~~ 123+15 - 125+67 Lt.
125+15 to 124+60 Far left
~~120+30 to 121+20 Lt.~~ 126+34 - 139+00 Lt.
119+71 - 121+18 Rt. ~~120+00 to 121+20 Rt.~~
121+20 to 121+28 Far Rt.
121+60 Far Right to 121+80
~~121+80 to 123+00 Rt.~~ 121+86 - 123+00 Rt.
123+42 - 135+81 Rt. ~~123+40 to 127+60 Rt.~~

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 8023

65 62

M 217 02

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS, IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

FORM NO. ENG. 12 ED 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	HARWINTON & TORRINGTON	S-91(1)	65-62	1958	72	24	125

RELOCATION OF ROUTE 72

PROFILE		BY	DATE	CHECKED BY	DATE
	Surveyed	S.J.M.	Dec. '56		
	Plotted	S.J.M.	Dec. '56		
	Traced	R.L.T.	APRIL '57		
NOTE BOOK	Designed	M.V.	Jan '57		
	New Const. Noted	R.W.R.	July '57		
NO.	Top. Field Chk. noted				

LIMIT OF CONSTRUCTION

Same Point

EXISTING DUTTON HILL ROAD

L.V.C. = 200'

P.V.C. Sta. 119+00
Elev. 849.671

L.V.C. = 500'

LIMIT OF CONSTRUCTION

Same Point

HOUSE
SILL
SAG

DRIVE

P.V.T. Sta. 126+50
Elev. 860.796

+5.435%

LAKE HARWINTON ROAD

Proposed Grade of Lake Harwinton Road

Profile on ℄ of Lake Harwinton Road

℄ OF EXISTING ROAD

Proposed Grade of Dutton Hill Road

-0.834%

P.V.T. Sta. 121+00
Elev. 849.888

Sta. 122+87.08

Sta. 123+26.32

P.V.C. Sta. 123+50
Elev. 852.523

+1.054%

Proposed Grade

Profile on ℄ of Dutton Hill Road

PROFILE ON ℄

℄ BROOK

P.V.I. Sta. 120+00
Elev. 848.834

STA. 121+50 = 0+0
DUTTON HILL ROAD

BRIDGE TOP

BOTTOM BEAM

BROOK

Elev. 833.0

STA. 126+00 = 0+0
LAKE HARWINTON ROAD

P.V.I. Sta. 124+00
Elev. 855.158

890
880
870
860
850
840
830

116 117 118 119 120 121 122 123 124 125 126 127 128 129

6" Subbase
Sta 110+50 to 122+87.08

Bridge

6" Subbase
Sta. 123+26.92 to 127+00

Subbase varies 6" to 12"
Sta. 127+00 to 127+50

12" Subbase
Sta 127+50 to 128+50

Subbase varies 12" to 24"
Sta. 128+50 to 129+00

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16281

65 62

217 02

24

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	TORRINGTON	S-81(1)	65-62	1958	72	25	125

RELOCATION OF ROUTE 72

Minimum Width of Right of Way 87'

This sheet superseded by sheet no. 25A
Revised February 1959

¢ Curve Data
Δ = 20°28'30"
D = 4°00'00"
T = 258.70
L = 511.88
R = 1432.39

Note:
Between Stations 129+00 & 138+00 Lt. use directional line for 2:1 Slope as shown on cross sections or as directed by the Engineer.

¢ Curve Data
Δ = 14°27'01"
D = 3°30'00"
T = 207.53'
L = 412.86'
R = 1,637.02'

Bit Concrete Lip Curbing
Sta. ~~126+30 to 139+20 Lt.~~ 126+34 To 139+60 Lt.
140+00 To 144+22 Lt. ~~139+80 to 144+25 Lt.~~
~~128+50 to 136+00 Rt.~~ 123+42 To 135+81 Rt.
136+00 to 136+47 Far Rt.
136+70 Far Rt. to 137+00
~~137+00 to 149+50 Rt.~~ 137+14 To 149+50 Rt.

REVISION OF February 1959
SHOWN ON SHEET 25A
INCORPORATED ON THIS SHEET
March 25, 1966
Drainage Revision

PLAN		BY	DATE	CHECKED BY	DATE
	Surveyed	S.J.M.	Dec. '56		
	Plotted	W.B.	Dec. '56		
NOTE BOOK	Traced	W.B.	April '57		
NO. B, E	Designed	M.V.	July '57		
	New Const. Noted	W.B.	July '57		
	Top. Field Chk. noted				

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

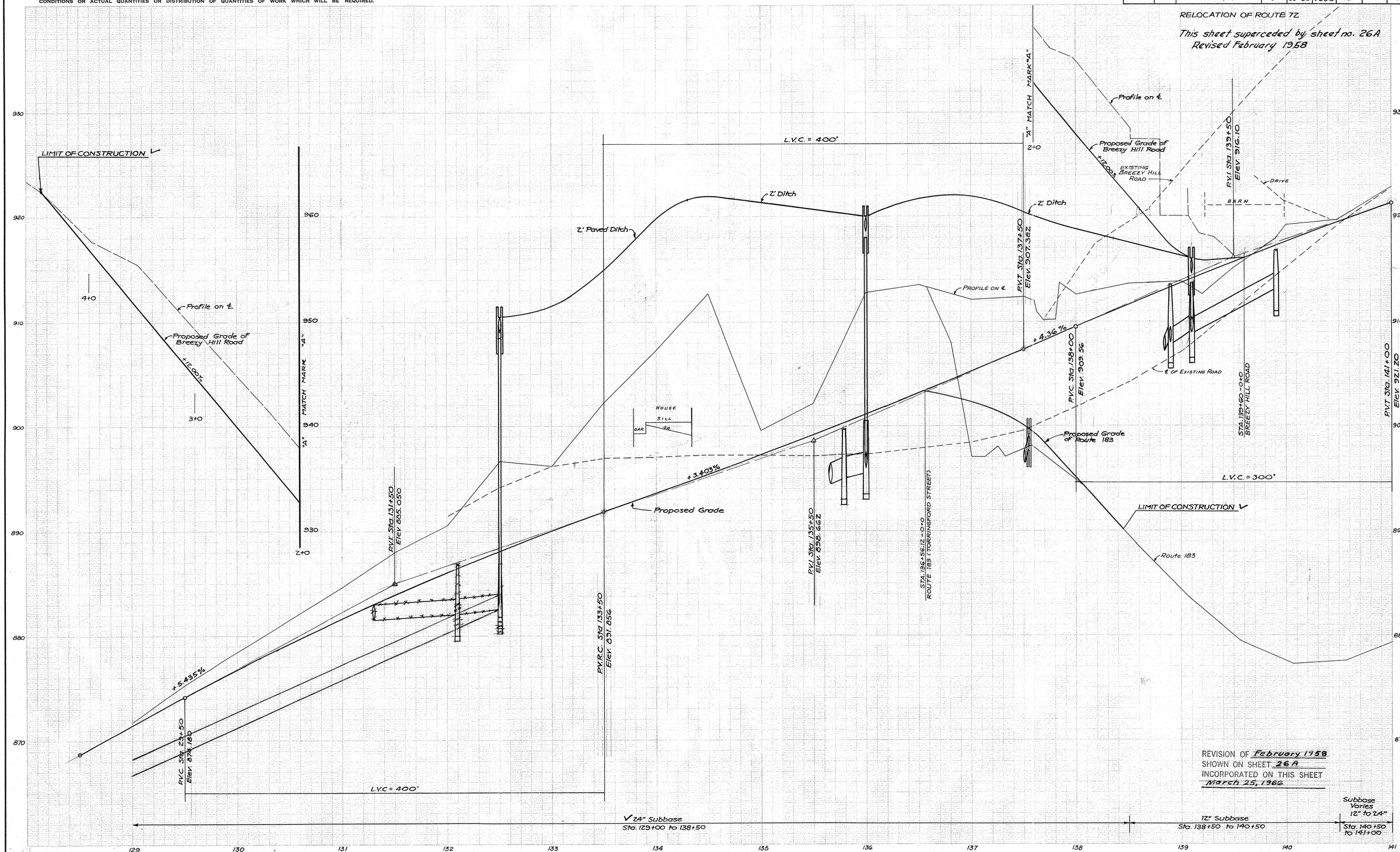
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS, IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

FORM NO. ENG. 12 ED 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	TORRINGTON	S-81(1)	65-62	1958	72	26	125

RELOCATION OF ROUTE 72

This sheet superceded by sheet no. 26A
Revised February 1958



REVISION OF February 1958
SHOWN ON SHEET 26A
INCORPORATED ON THIS SHEET
March 25, 1966

PROFILE		BY	DATE	CHECKED BY	DATE
NOTE BOOK	Surveyed	S.J.M.	Dec. '56		
	Plotted	W.B.	Dec. '56		
	Traced	R.L.T.	April '57		
	Designed	M.V.	July '57		
NO.	New Const. Noted	W.B.	July '57		
	Top. Field Chk. noted				

JOSEPH MERRITT & CO. 16201

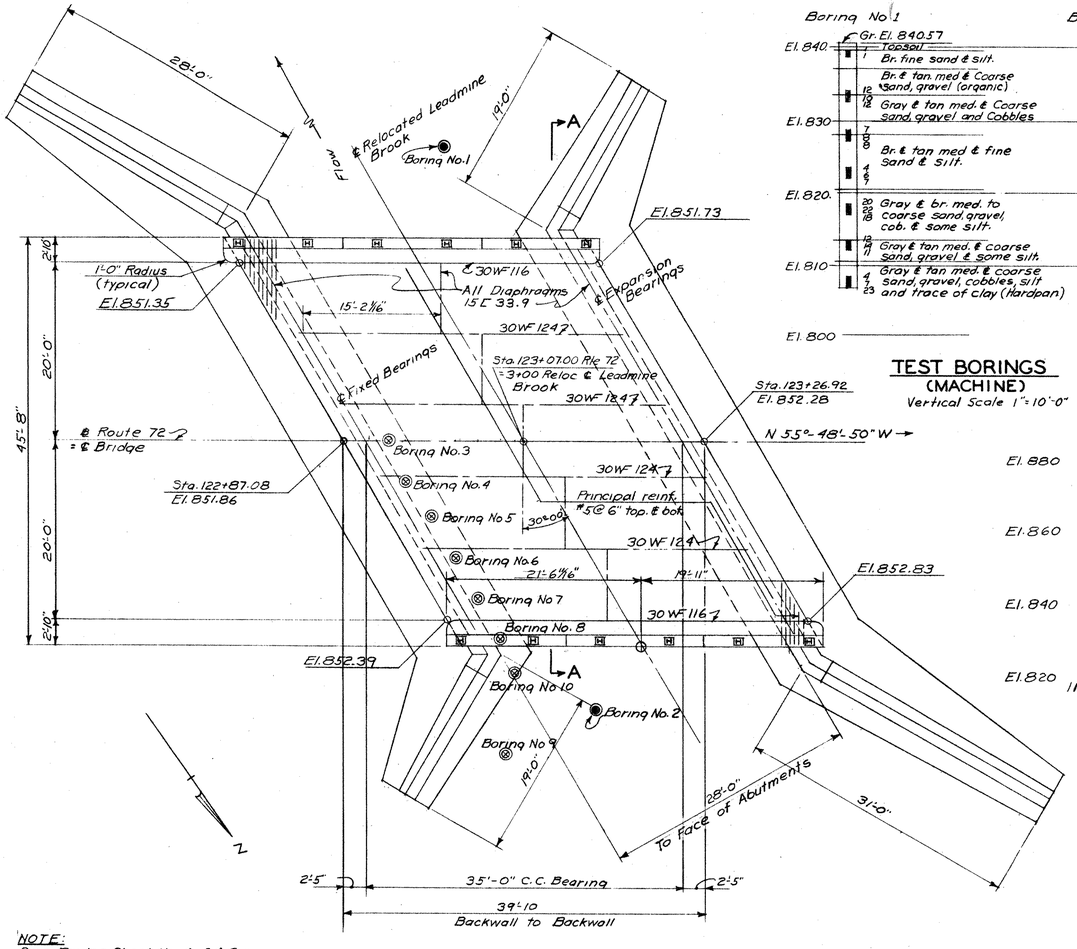
65 62

M 217 02

26 & 26A

FORM NO. ENG. 19 ED. 11-58

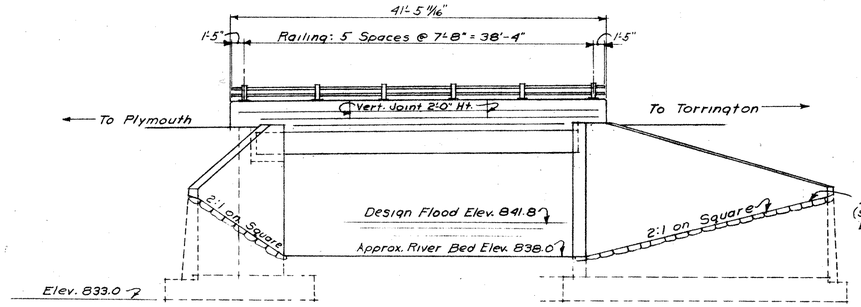
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Harwinton	S-811(1)	65-62	1958	72	43	125



PLAN

Scale 1/8" = 1'-0"

NOTE:
See Bridge Sheet No. 4 of 4 for:
1) Section A-A.
2) Bridge Deck Reinforcing.



ELEVATION

Scale 1/8" = 1'-0"

TEST BORINGS (MACHINE)

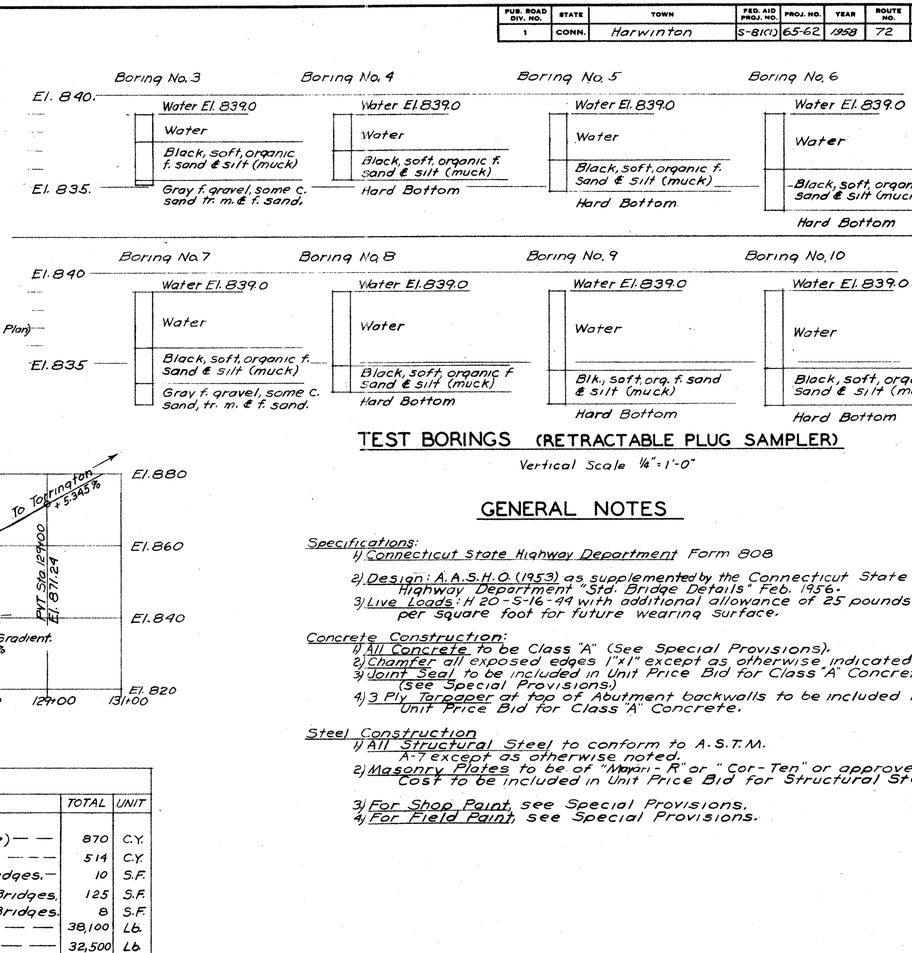
Vertical Scale 1" = 10'-0"

LEGEND

Each number opposite a sample is the number of blows to drive a 2 3/8" I.D. Split tube sampler 6" with a 300 lb. hammer falling 18"

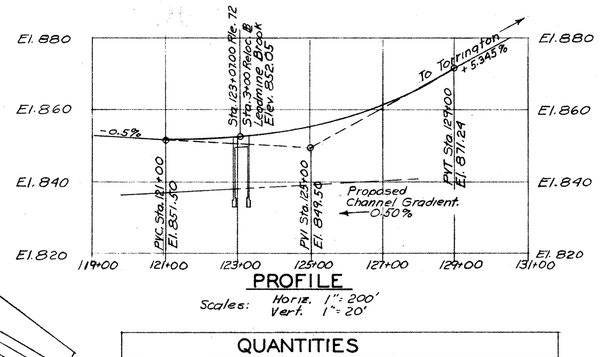
◉ Machine Boring Location (see Plan)

⊗ Retractable Plug Sampler Location (see Plan)



TEST BORINGS (RETRACTABLE PLUG SAMPLER)

Vertical Scale 1/4" = 1'-0"



PROFILE

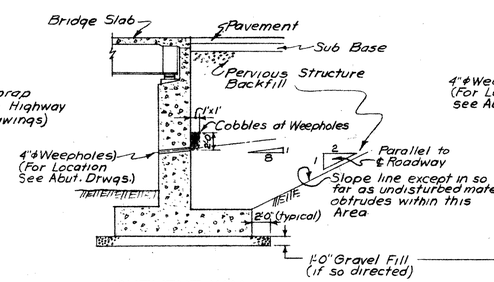
Scales: Horiz. 1" = 200'
Vert. 1" = 20'

QUANTITIES

ITEM	TOTAL	UNIT
Structure Excavation (Complete)	870	C.Y.
Class "A" Concrete	514	C.Y.
1/8" Preformed Bit. Jt. Filler for Bridges	10	S.F.
1/2" Preformed Bit. Jt. Filler for Bridges	125	S.F.
1 1/2" Preformed Bit. Jt. Filler for Bridges	8	S.F.
Deformed Steel Bars	38,100	Lb.
Structural Steel	32,500	Lb.
Dampproofing	345	S.Y.
Metal Bridge Rail	83	L.F.
Pervious Structure Backfill	1,929	C.Y.
Gravel Fill	107	C.Y.
Removal of Existing Masonry	20	C.Y.
Removal of Superstructure Sta. 123+50 Rt.		L.S.

NOTE: Quantities shown are approximate only, and do not relieve the Contractor from the responsibility of checking them in preparing the Bid.

CONCRETE DISTRIBUTION		
Footings	177	C.Y.
Substructure	278	C.Y.
Superstructure	59	C.Y.



TYPICAL DRAINAGE SECTIONS

Not to scale

GENERAL NOTES

Specifications:
1) Connecticut State Highway Department Form 808
2) Design: A.A.S.H.O. (1953) as supplemented by the Connecticut State Highway Department "Std. Bridge Details" Feb. 1956.
3) Live Loads: H 20-S-16-44 with additional allowance of 25 pounds per square foot for future wearing surface.

Concrete Construction:
1) All Concrete to be Class "A" (See Special Provisions).
2) Chamfer all exposed edges 1"x1" except as otherwise indicated.
3) Joint Seal to be included in Unit Price Bid for Class "A" Concrete. (See Special Provisions.)
4) 3 Ply Tarpaper at top of Abutment backwalls to be included in Unit Price Bid for Class "A" Concrete.

Steel Construction
1) All Structural Steel to conform to A.S.T.M. A-7 except as otherwise noted.
2) Masonry Plates to be of "Mayari-R" or "Cor-Ten" or approved equal; Cost to be included in Unit Price Bid for Structural Steel.
3) For Shop Paint, see Special Provisions.
4) For Field Paint, see Special Provisions.

NO REVISIONS SUBMITTED FOR THIS SHEET

Br. No. 00426775

FEDERAL AID PROJECT

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF HARWINTON
ROUTE NO. 72 RELOCATION OVER WEST BRANCH LEADMINE BROOK
STA. 123 + 07
PLAN & ELEVATION

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY: A.B. ONDERDONK
FOR JOHN J. MOZZOCHI & ASSOCIATES
SCALES: As Noted
MADE BY: W.C.S. DATE 7-18-57
CHECKED BY: R.P.L. DATE 3-25-58
APPROVED: J.J. Mozzochi DATE 3-26-58
PROJECT NO. 65-62
BRIDGE SHEET NO. 1 OF 4

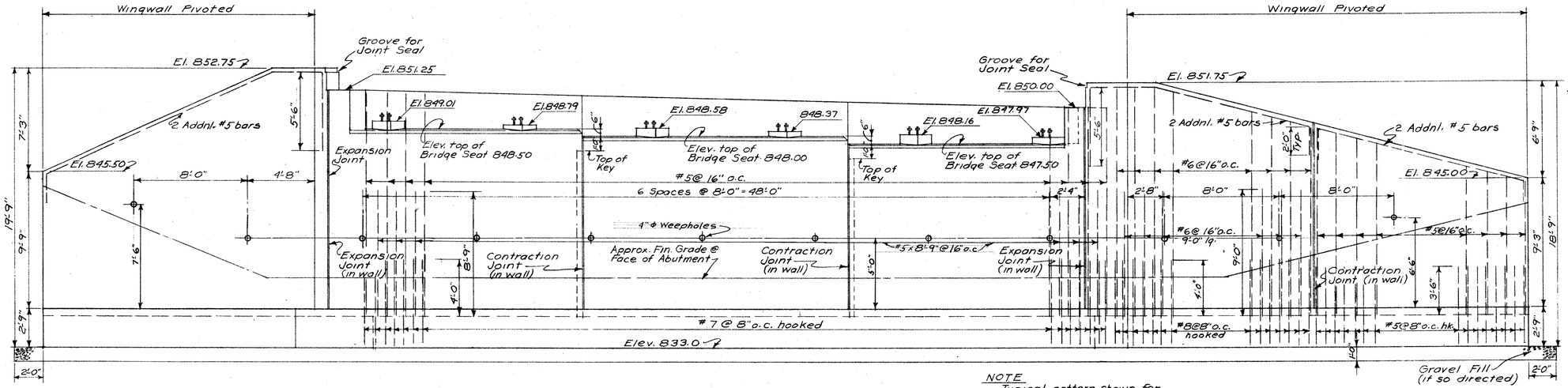
THE INDUSTRIAL BLUEPRINT CO.

65 62

M 217 02

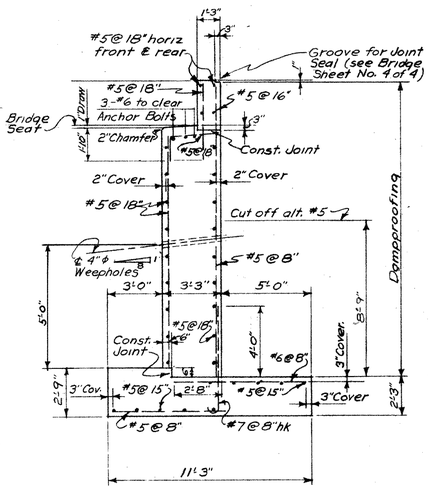
FORM NO. ENG. 18 ED 11-58

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Harwinton	S-81(1)	65-62	1958	72	44	125



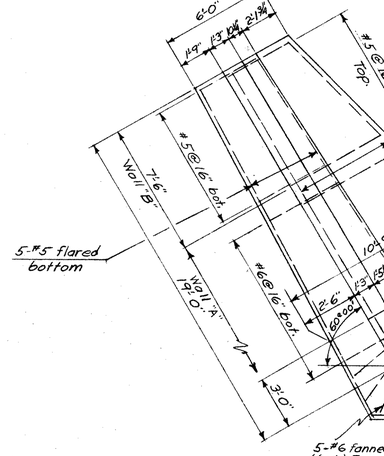
NOTE
Typical pattern shown for principal wall reinforcing.

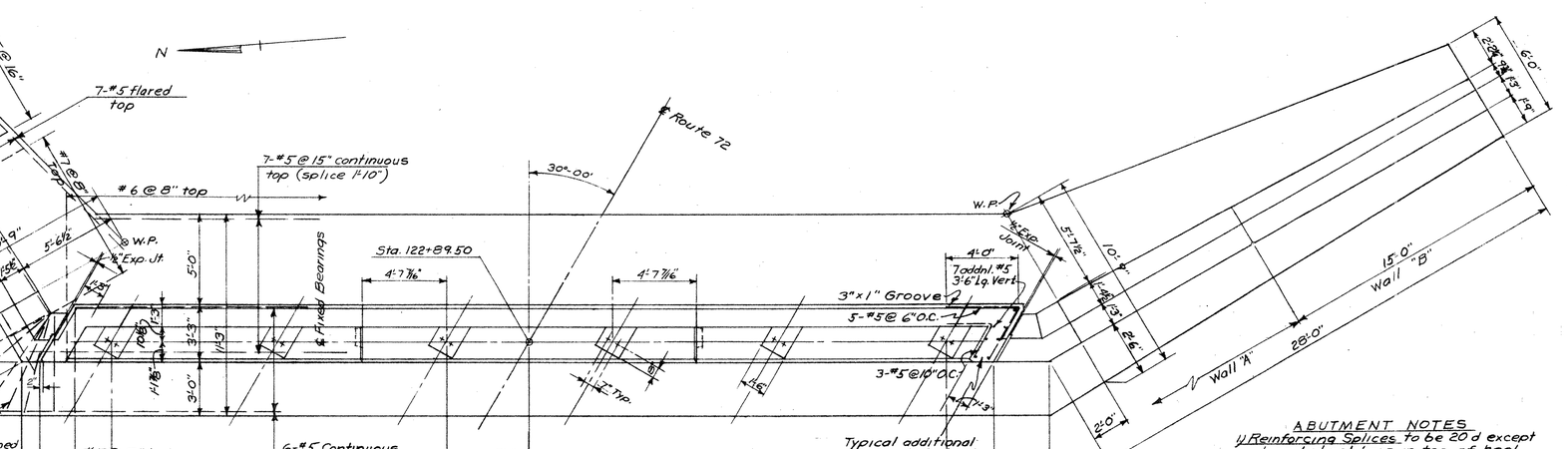
ELEVATION
Scale 1/4" = 1'-0"



NOTES
1/ Bearing Pads not shown
2/ For Weephole Locations see ELEVATIONS

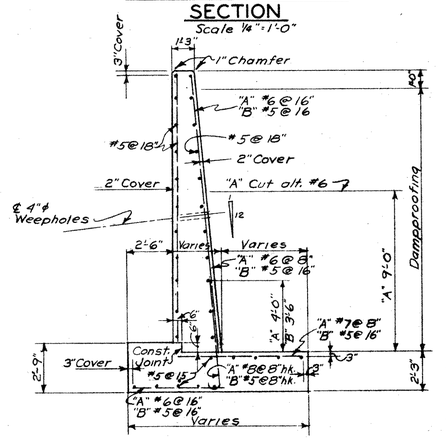
TYPICAL ABUTMENT SECTION
Scale 1/4" = 1'-0"





NOTE
Typical Pattern shown for Foundation reinforcing.

PLAN
Scale 1/4" = 1'-0"



TYPICAL WINGWALL SECTION
Scale 1/4" = 1'-0"

ABUTMENT NOTES
1/ Reinforcing Splices to be 20d except longitudinal bars in top of heel and under bridge seat. Latter to be spliced 35d.
2/ No Reinforcing to pass through contraction or expansion joints.
3/ Abutment Soil Pressure: Max. 4.62 K.S.F. Min. 0.08 K.S.F.
4/ Wingwall Soil Pressure: Max. 4.09 K.S.F. Min. 0.37 K.S.F.
5/ For typical Pad Reinforcing, see Bridge Sheet 3 of 4

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF HARWINTON
ROUTE NO. 72 RELOCATION OVER
WEST BRANCH LEADMINE BROOK
STA. 123 + 07
EAST ABUTMENT

REVISIONS		
NO.	DATE	DESCRIPTION

NO REVISIONS SUBMITTED FOR THIS SHEET

DESIGNED BY: A.B. ONDERDONK
FOR: JOHN J. MOZZOCHI & ASSOCIATES
SCALES: As Noted
MADE BY: W.C.S. DATE: 7-18-57
CHECKED BY: R.P.L. DATE: 3-25-58
APPROVED: J.J. Mozzochi DATE: 3-26-58
PROJECT NO. 65-62
BRIDGE SHEET NO. 2 OF 4

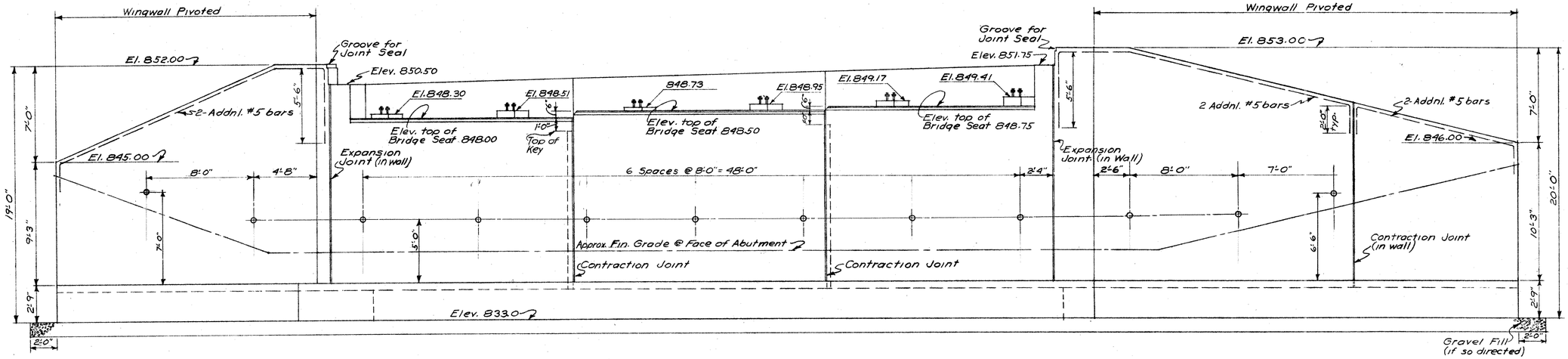
THE INDUSTRIAL BLUEPRINT CO.

65 62

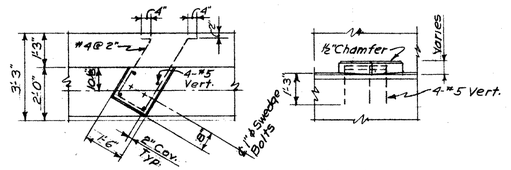
M 217 02

FORM NO. ENG. 15 ED. 11-52

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Harwinton	S-81(0)	65-62	1958	72	45	125

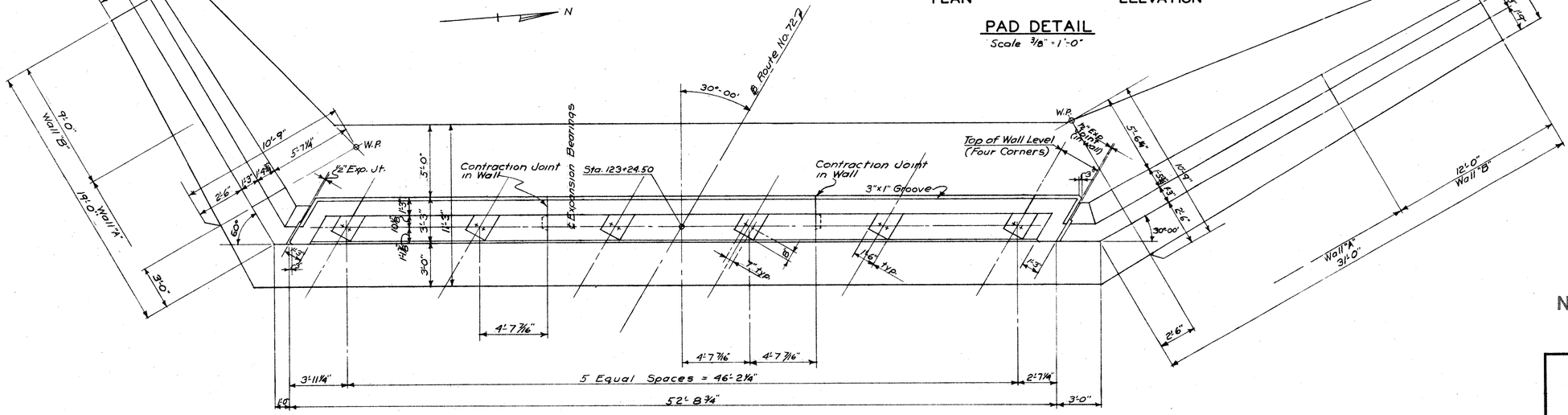


ELEVATION
Scale 1/4"=1'-0"



PLAN ELEVATION

PAD DETAIL
Scale 3/8" = 1'-0"



PLAN
Scale 1/4"=1'-0"

NOTES
1) For typical Abutment Notes, See Bridge Sheet 2 of 4
2) For Wall Sections, See Bridge Sheet 2 of 4.
3) For Wall Reinforcing Patterns, see Bridge Sheet 2 of 4

NO REVISIONS SUBMITTED FOR THIS SHEET

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF HARWINTON
ROUTE NO. 72 RELOCATION OVER
WEST BRANCH LEADMINE BROOK
STA. 123 + 07
WEST ABUTMENT

DESIGNED BY: A.B.ONDERDONK
FOR: JOHN J. MOZZOCHI & ASSOCIATES

SCALES As Noted			PROJECT NO. 65-62
MADE BY W.C.T.	DATE 7-18-57		
CHECKED BY R.P.L	DATE 3-25-58		BRIDGE SHEET NO. 3 OF 4
APPROVED J.J. Mozzochi	DATE 3-26-58		

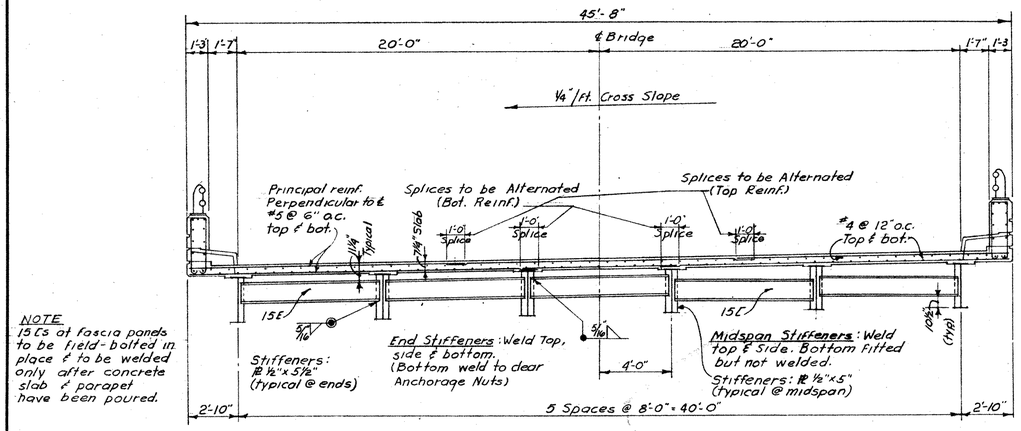
THE INDUSTRIAL BLUEPRINT CO.

65 62

M 217 02

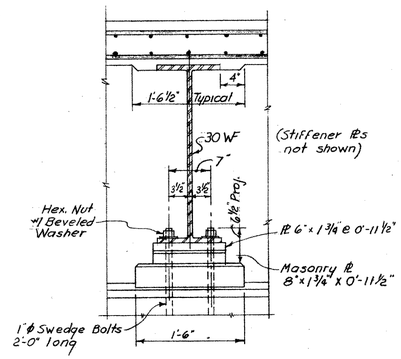
FORM NO. ENG. 18 ED. 11-52

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Harwinton	S-81(1)	65-62	1958	72	46	125

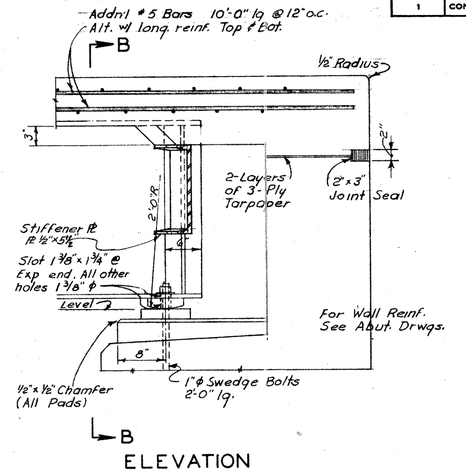


NOTE
15Cs at fascia panels to be field-bolted in place & to be welded only after concrete slab & parapet have been poured.

SECTION A-A
Scale ¼"=1'-0"



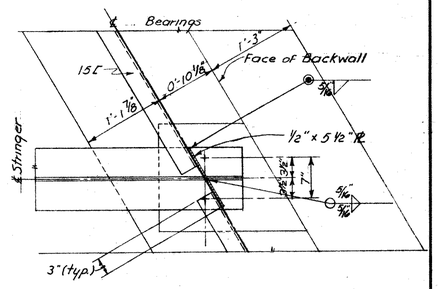
SECTION B-B



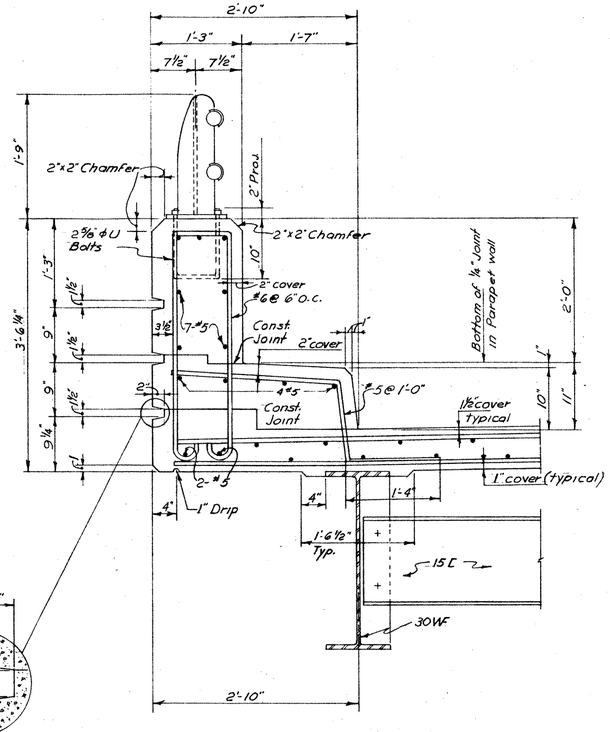
ELEVATION

BEARING NOTES:
1) For Bearing Materials, See General Notes Bridge Sheet No.1.
2) Nuts to be drawn up finger tight, then backed off ⅛ turn & threads to be burred off at face of Nut with a pointed tool.
3) See Section A-A for notes on Welding Stiffener PLs.

BEARING DETAILS
Scale 1"=1'-0"

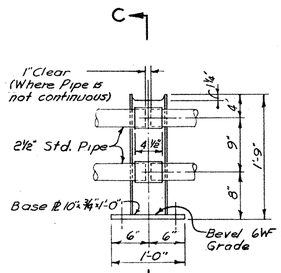


PLAN OF END DIAPHRAGM CONNECTION
Scale 1"=1'-0"

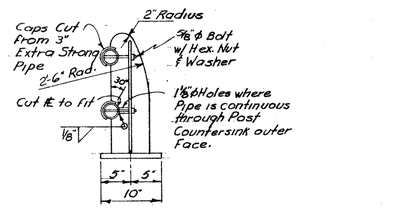


RUSTICATION DETAIL
Scale 3"=1'-0"

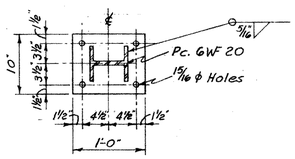
SAFETY WALK, PARAPET RAIL AND SLAB
Scale 1"=1'-0"



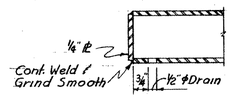
ELEVATION
Scale 1"=1'-0"



SECTION C-C
Scale 1"=1'-0"



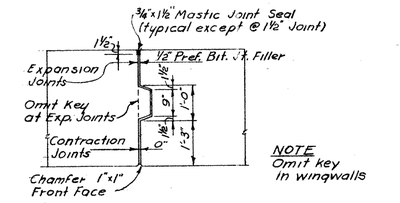
BASE PLATE
Scale 1"=1'-0"



PIPE END
Scale 3"=1'-0"

RAILING & POST DETAILS

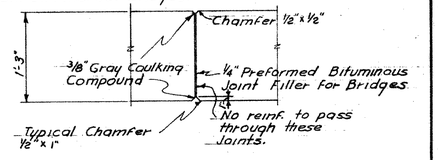
METAL BRIDGE RAILING NOTES:
1) Posts to be truly vertical, Pipe Railing to follow grade.
2) Pipe Railing may be continuous for two Panel Lengths. It shall be continuous at End Posts.
3) All Welds to be ground smooth.
4) Posts & Base Plates to be structural Steel conforming to ASTM A.7.
5) Furnish & Set 2-⅞" ℄ U-Bolts as shown, w/ Hex. Nuts & washers for each post. Cost of furnishing & setting to be included in Unit Price Bid for "Metal Bridge Rail".
6) Posts to be shimmed to a vertical position with lead wool & caulked. Cost to be included in Unit Price Bid for "Metal Bridge Rail".
7) Holes in Base Plate to be filled with caulking compound.
8) For Shop & Field Paint, See General Notes on Bridge Sheet 1 of 4.



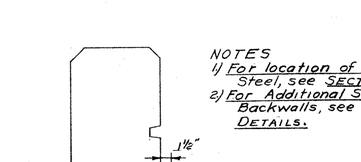
NOTE
Omit key in wingwalls

WALL JOINT PLAN SECTION
Scale ½"=1'-0"

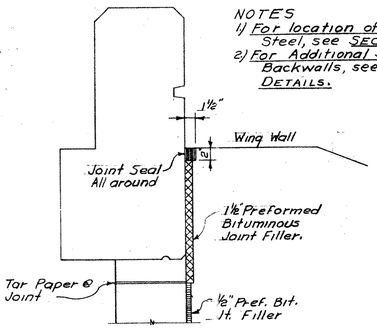
NOTE:
Cost of furn. & placing caulking to be included in Unit Price Bid for ¼" Bit. Jt. Filler for Bridges.



PARAPET WALL PLAN SECTION SHOWING VERTICAL JOINTS
Scale 1"=1'-0"



BRIDGE DECK REINFORCING
Scale ⅛"=1'-0"



SECTION BETWEEN FASCIA & TOP OF WING
Scale 1"=1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

NO REVISIONS SUBMITTED FOR THIS SHEET-

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF HARWINTON
ROUTE NO. 72 RELOCATION OVER
WEST BRANCH LEADMINE BROOK
STA. 123+07
MISC. DETAILS

DESIGNED BY: A.B.ONDERDONK
FOR: JOHN J. MOZZOCHI & ASSOCIATES
SCALES As Noted
MADE BY FHC DATE 7-18-57
CHECKED BY R.P.L DATE 3-25-58
APPROVED DATE 3-26-58
PROJECT NO. 65-62
BRIDGE SHEET NO. 4 OF 4

THE INDUSTRIAL BLUEPRINT CO.

65 62

217 02

46