

**09 - FOR INFORMATION ONLY - AS BUILTS
INDEX OF DRAWINGS**

SHEET NUMBER	DRAWING TITLE/DESCRIPTION	SHEET NUMBER	DRAWING TITLE/DESCRIPTION
09.01	FOR INFORMATION ONLY - AS BUILTS INDEX OF DRAWINGS	09.17	0053-0063 - BEAM BRIDGE OVER LINE "S" ON LINE "M" GENERAL PLAN - (BRIDGE NO. 00388)
09.02	0042-0083 - EAST HARTFORD-GLASTONBURY EXPRESSWAY - TITLE SHEET	09.18	0053-0063 - BEAM BRIDGE OVER LINE "S" ON LINE "M" WEST ABUTMENT & WINGS - (BRIDGE NO. 00388)
09.03	0042-0083 - EAST HARTFORD-GLASTONBURY EXPRESSWAY - INDEX PLAN	09.19	0053-0063 - BEAM BRIDGE OVER LINE "S" ON LINE "M" EAST ABUTMENT & WINGS - (BRIDGE NO. 00388)
09.04	0042-0083 - EAST HARTFORD-GLASTONBURY EXPRESSWAY - TYPICAL CROSS SECTIONS	09.20	0053-0063 - BEAM BRIDGE OVER LINE "S" ON LINE "M" STEEL DETAILS - (BRIDGE NO. 00388)
09.05	0042-0083 - EAST HARTFORD-GLASTONBURY EXPRESSWAY - PLAN	09.21	0053-0063 - BEAM BRIDGE OVER LINE "S" ON LINE "M" SLAB - (BRIDGE NO. 00388)
09.06	0042-0083 - EAST HARTFORD-GLASTONBURY EXPRESSWAY - PLAN	09.22	0053-0063 - BEAM BRIDGE OVER NEW LONDON TURNPIKE CONNECTION TO ROUTE 17 GENERAL PLAN - (BRIDGE NO. 00870)
09.07	0042-0083 - EAST HARTFORD-GLASTONBURY EXPRESSWAY - PLAN	09.23	0053-0063 - BEAM BRIDGE OVER NEW LONDON TURNPIKE CONNECTION TO ROUTE 17 NORTH ABUTMENT - (BRIDGE NO. 00870)
09.08	0042-0083 - EAST HARTFORD-GLASTONBURY EXPRESSWAY - PLAN	09.24	0053-0063 - BEAM BRIDGE OVER NEW LONDON TURNPIKE CONNECTION TO ROUTE 17 SOUTH ABUTMENT - (BRIDGE NO. 00870)
09.09	0042-0083 - 10 X 8 REINF CONC CULVERT HUBBARD BROOK STA. 202+82	09.25	0053-0063 - BEAM BRIDGE OVER NEW LONDON TURNPIKE CONNECTION TO ROUTE 17 WINGS - (BRIDGE NO. 00870)
09.10	0053-0063 - EAST HARTFORD-GLASTONBURY EXPRESSWAY - TITLE SHEET	09.26	0053-0063 - BEAM BRIDGE OVER NEW LONDON TURNPIKE CONNECTION TO ROUTE 17 SLAB-STEEL & RAILING DETAILS - (BRIDGE NO. 00870)
09.11	0053-0063 - EAST HARTFORD-GLASTONBURY EXPRESSWAY - PLAN SHEET	09.27	0053-0160 - NEW LONDON TURNPIKE ISLAND MODIFICATION - TITLE SHEET
09.12	0053-0063 - BEAM BRIDGE OVER NEW LONDON TURNPIKE CONN. TO ROUTE 2 LINE "S" GENERAL PLAN - (BRIDGE NO. 00389)	09.28	0053-0160 - NEW LONDON TURNPIKE ISLAND MODIFICATION - TYPICAL ROADWAY DETAILS
09.13	0053-0063 - BEAM BRIDGE OVER NEW LONDON TURNPIKE CONN. TO ROUTE 2 LINE "S" NORTH ABUT & WINGS - (BRIDGE NO. 00389)	09.29	0053-0160 - NEW LONDON TURNPIKE ISLAND MODIFICATION - PLAN & PROFILE
09.14	0053-0063 - BEAM BRIDGE OVER NEW LONDON TURNPIKE CONN. TO ROUTE 2 LINE "S" SOUTH ABUT & WINGS - (BRIDGE NO. 00389)		
09.15	0053-0063 - BEAM BRIDGE OVER NEW LONDON TURNPIKE CONN. TO ROUTE 2 LINE "S" STEEL DETAILS - (BRIDGE NO. 00389)		
09.16	0053-0063 - BEAM BRIDGE OVER NEW LONDON TURNPIKE CONN. TO ROUTE 2 LINE "S" SLAB SHEET - (BRIDGE NO. 00389)		

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:				PROJECT TITLE:	TOWN(S):	DRAWING TITLE:	PROJECT NO.:	DRAWING NO.:
DESIGNER/DRAFTER: KJM/JLD	CHECKED BY: SDG			REMOVAL OF BR. NOS. 00388 & 00389, DECK REPLACEMENT ON BR. NO. 00870, AND MODIFICATIONS TO ROUTE 17 & NEW LONDON TURNPIKE	GLASTONBURY	FOR INFORMATION ONLY - AS BUILTS INDEX OF DRAWINGS	0053-0189	INX-01

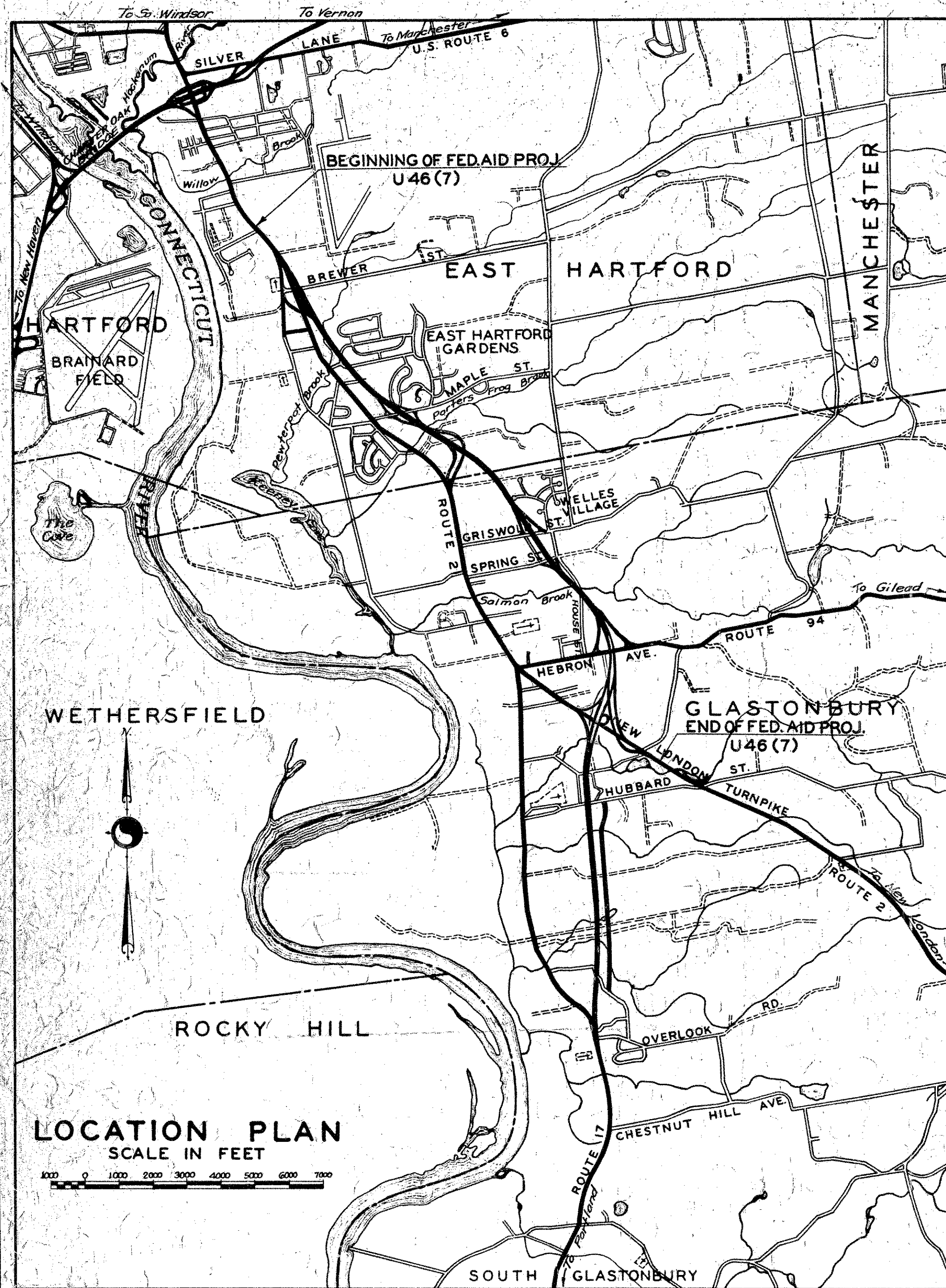
CONNECTICUT STATE HIGHWAY DEPARTMENT PLAN FOR CONSTRUCTION OF A SECTION OF THE EAST HARTFORD-GLASTONBURY EXPRESSWAY IN THE TOWNS OF EAST HARTFORD & GLASTONBURY

FROM STA. 10+00 TO STA. 216+13.59 LINE "S"
LENGTH 19,696.77 FT.

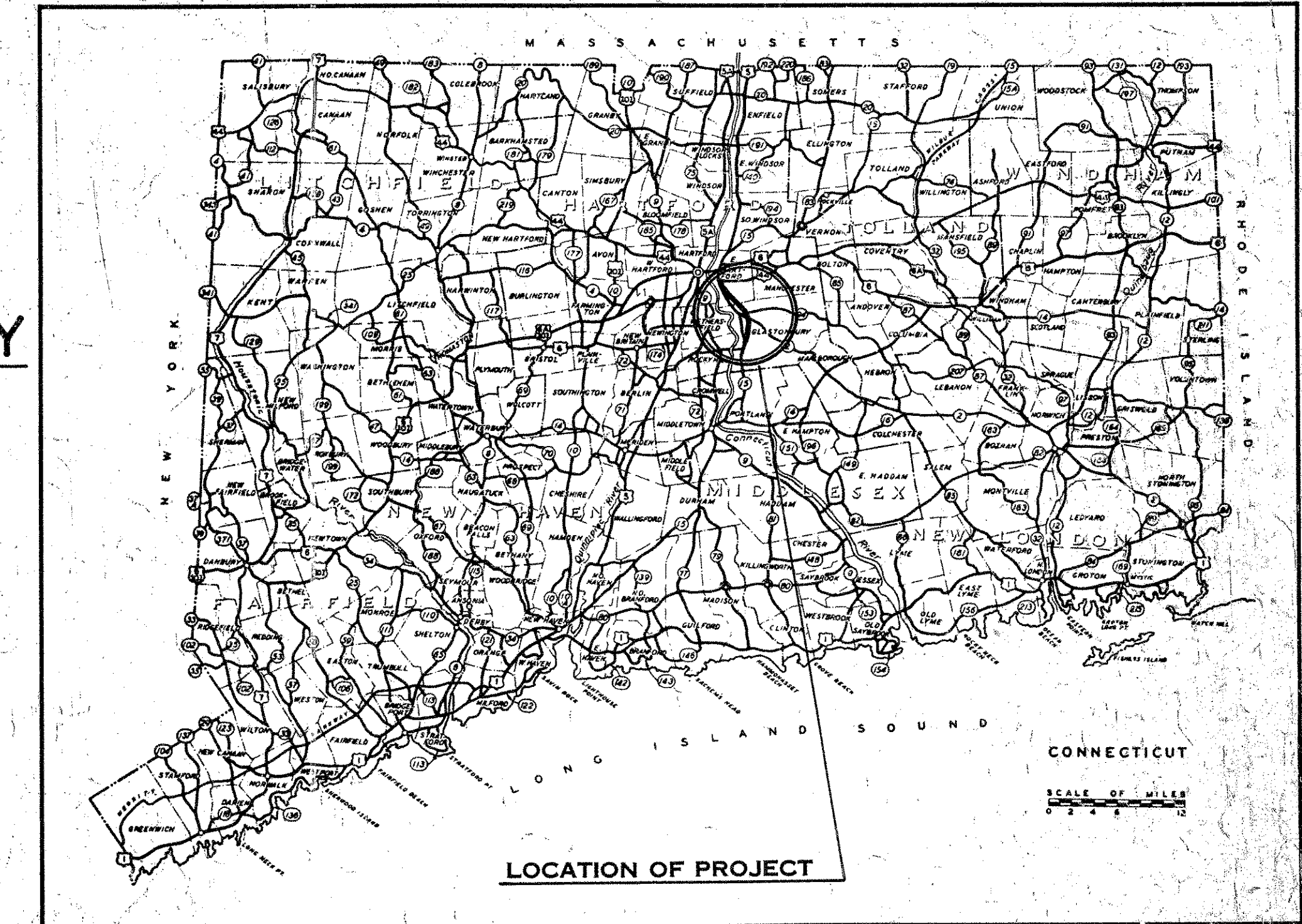
PLAN 1 IN. = 40 FT.
SCALES PROFILE HOR. 1 IN. = 40 FT. VERT. 1 IN. = 4 FT.
CROSS SECTIONS 1 IN. = 10 FT.

NOTE: All Elevations For This Project Based Upon U.S.C. & G. DATUM
FEDERAL AID PROJECT NO. U 46 (7)

EXPRESSWAY AND RAMPS TO BE MAINTAINED BY THE STATE
INTERSECTING TOWN ROADS TO BE MAINTAINED BY THE TOWN



LOCATION PLAN
SCALE IN FEET



1947 SPECIFICATIONS, FORM 807 GOVERN

Construction Started Sept. 1, 1951
Construction Completed Dec. 31, 1952
Plans Revised by D.L. Ayerton Feb. 1, 1953
Plans Checked by J.M. McCarthy Mar. 15, 1953
Property Check by W. Tollefson Mar. 11, 1953

TOWN NO. 42
PROJECT NO. 83

TABULATION OF LENGTHS									
SECTION	LINE	STA. to	STA.	LENGTH OF LINE	LENGTH	WIDTH	TYPE OF PAVEMENT		
I	No. Bound	10+00	50+03.99	4003.99	3510.54	24'	Reinf. Concrete		
	So. Bound	10+00	49+55.21	3015.93			24'	"	
	Main Line	49+56.03	77+00	2682.83			2@24'	"	
	B-B	29+15.01	43+96.10	1461.09			24'	"	
	H-H	10+25	17+73	748.00			24'	"	
	Q	8+39	13+20	481.00			14'	"	
II	R	11+05	17+05	600.00	380.00	24'	Reinf. Concrete		
	V	12+05	17+17	512.00			14'	"	
	Y	11+85	19+57	772.00			14'	"	
	So. Bound A	30+40	38+00	760.00			380.00	24'	Reinf. Concrete
	Main Line	77+00	178+00	9835.30			9835.30	2@24'	Reinf. Concrete
	H	0+16	9+23	1907.00			14'	"	
III	I	0+12	5+64	552.00	3288.10	24'	"		
	C	125+30	132+35	705.00			14'	"	
	D	124+13	134+06	991.00			14'	"	
	G	0+50	4+77	527.00			14'	"	
	F	0+00	7+75	775.00			14'	"	
	K	7+40	10+60	1120.00			14'	"	
IV	J	9+60	20+60	1100.00	1390.07*	20'	Reinf. Concrete		
	N	178+00	206+45	2845.12			24'	"	
	S	178+00	216+13.59	3731.09			24'	"	
	X	5+76.60	10+70	493.40			14'	"	
	M	188+99.87	205+00	1682.02			24'	"	
	U	197+50	205+00	186.39			24'	"	
V	T	2+00	11+35	935.00	1390.07*	20'	"		
	W	7+35	15+00	765.00			14'	"	
	L	10+90	19+10	820.00	14'	"			
				Total	19,696.77				

* - Not Included in Length of Project

LIST OF DRAWINGS	
SHEET NO.	TITLE
1	Title Sheet
2-6	Index Plans and Profiles
7-9	Detailed Estimate Sheets
10-13	Typical Cross Sections
14-60	Plans and Profiles
61	Box Culvert Sta. 40+40 North Bound Center Line
62	Box Culvert Sta. 40+82
63-92	Cross Sections - Main Line Sta. 10+0 to 77+0, Including Lines "V" & "Y"
93-98	" " Line "B-B"
99-100	" " Line "H-H"
101-103	" " Line "Q"
104-107	" " Line "R"
108-163	" " Sta. 18+0 to 216+13.59, Including Lines "U" "M" "L" "T" & "W"

STANDARDS	
217C	Wire Rope Railing - 3 Cable
221E	Endwalls, R.C.P. Underdrain, Outlets and Perforated Pipe
221F	Standard Endwalls
222A	Curbs, Concrete Steps, Concrete Sidewalks, Paved Ditch
223	Manhole
226	ACCUM Drop Inlets and Elbows
228A	Type "C" Catch Basins
228B	Type "CG" " " and Drop Inlet
228C	Type "CL" " "
228D	Frames and Grates for Sewer Basins and Drop Inlets
241G	Paving Details
242C	Load Transfer Unit for Transverse Joint (Type "D")
242D	" " " " (Type "E")
242E	" " " " (Type "A")
249	Fabric Reinforcement (13' Sheet Length)
249B	" " " "
712A	Barriercas Service Bridges, Tree Well & Foot Prot., Concrete Ramps
714	Temporary Field Office

FED. AID PRIMARY SYSTEM
ASSUMED DESIGN SPEED - 50 MPH
ANTICIPATED A.D.T. 1970 - 6400 - 17800

STANDARD CONVENTIONS		
Hedge	Picket Fence	Present Culvert
Guide Rail	Board Fence	Proposed Culvert
Curb, Inset, Wood or Conc.	Retaining Wall	House
Stone Wall	Open Ditch	Barn
Concrete Walk	Open Ditch	Buildings
Walk, Tar, Gravel or Earth	Telegraph, Telephone or Electric Light Poles	Swamp
Conn. Co.	Trolley Poles	Gas, Random Pump Stone
Present Tracks	Ledge or Rock	Highway Mark. "C.D. Marker"
Proposed Tracks	Trace Hydrant	Present C.B.
Taking Line	Pole P.M.	Proposed C.B.
Property Line	Rivers, Lakes etc.	Present Travel Path
Town Line	North Point	
Grape Arbor		
Wire Fence		

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL

DISTRICT ENGINEER DATE

APPROVED

DIVISION ENGINEER DATE

SUBMITTED June 5 1951

ENGINEER OF HIGHWAY DESIGN

APPROVAL RECOMMENDED June 5 1951

ENGINEER OF SURVEY & PLANS

APPROVED June 7 1951

DIRECTOR OF TRAFFIC-PLANNING-DESIGN

INDEX PLAN

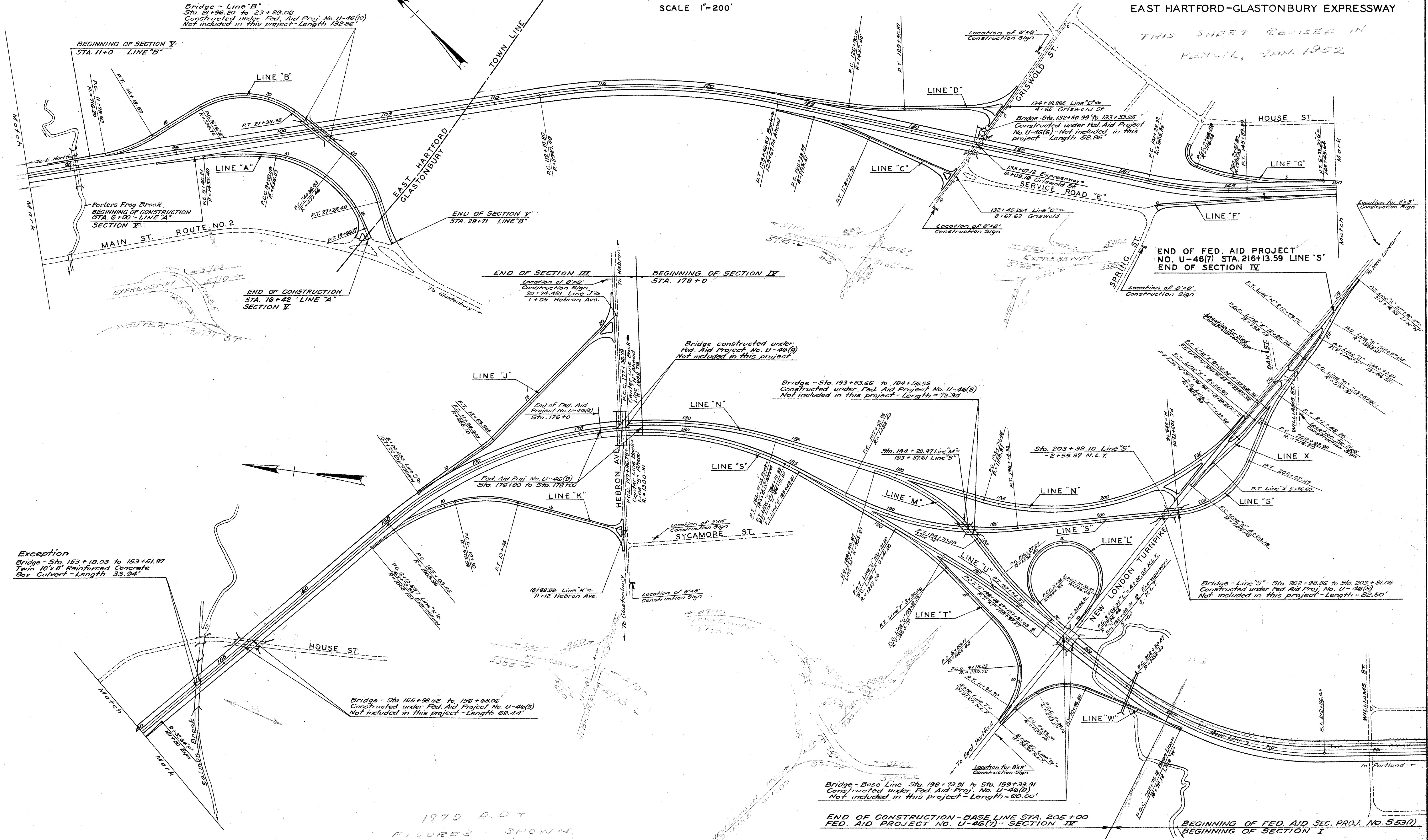
SCALE 1"=200'

200 Scale Map Not Corrected

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	East Hartford Glastonbury	U46(7)	42-83	1951		4	163

EAST HARTFORD-GLASTONBURY EXPRESSWAY

THIS SHEET REVISED IN PENCIL, JAN. 1952



DATE	CHECKED BY
1950	
1950	
1951	
1951	

DATE	BY
JAN. 1951	L. C. COVA
JAN. 1951	M. W. MARCH
JAN. 1951	J. W. HAY
JAN. 1951	S. B. BARTHOLOMEW
JAN. 1951	A. J. HAY

PLAN	NOTE BOOK
Surveyed	
Plotted	
Traced	
Designed	
Checked	
Noted	

Exception
 Bridge - Sta. 153+18.03 to 153+51.97
 Twin 10'x8' Reinforced Concrete
 Box Culvert - Length 33.94'

Bridge - Sta. 155+98.62 to 156+68.06
 Constructed under Fed. Aid Proj. No. U-46(b)
 Not included in this project - Length 69.44'

1970 R.P.T.
 FIGURES SHOWN

Bridge - Base Line Sta. 198+73.91 to Sta. 199+33.91
 Constructed under Fed. Aid Proj. No. U-46(b)
 Not included in this project - Length 60.00'

END OF CONSTRUCTION - BASE LINE STA. 205+00
 FED. AID PROJECT NO. U-46(7) - SECTION II

BEGINNING OF FED. AID SEC. PROJ. NO. S.53(7)
 BEGINNING OF SECTION I

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 WORK WHICH WILL BE REQUIRED.

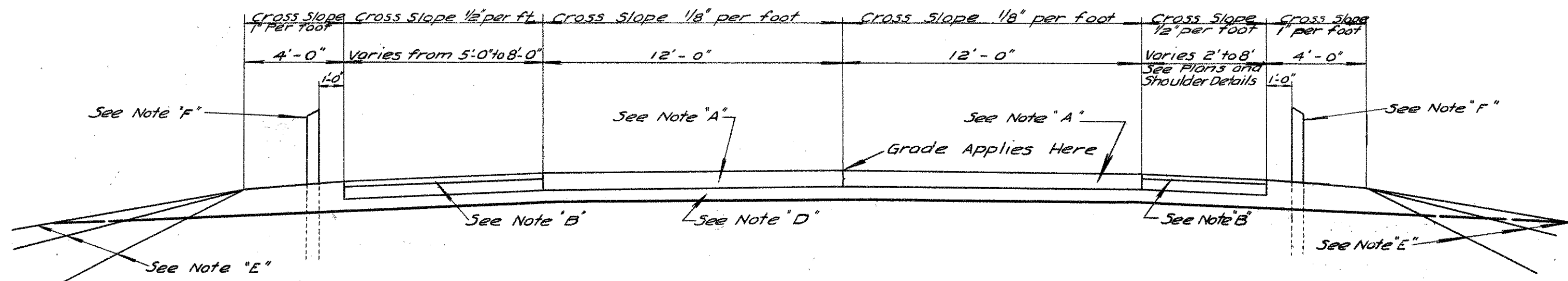
TYPICAL CROSS SECTIONS

SECTION IV NOT TO SCALE

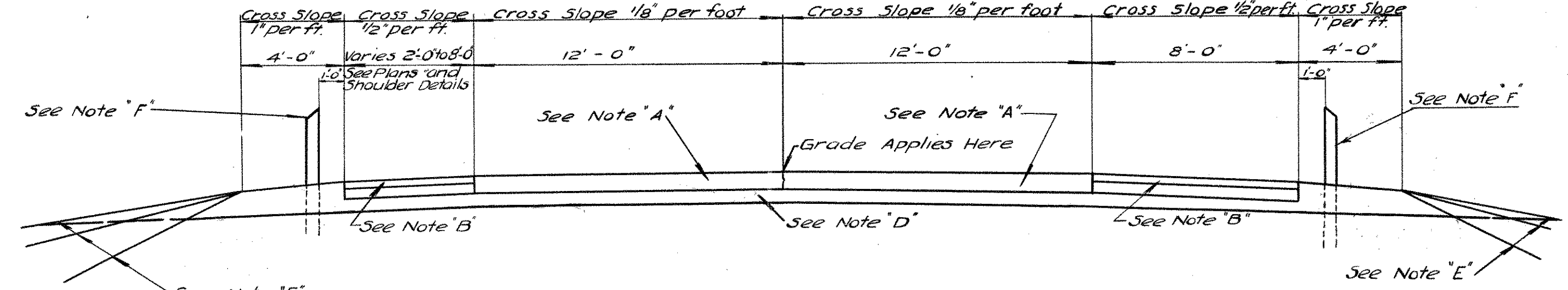
This Sheet Not Corrected

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Glastonbury	U-46(7)	42-83	1951		13	163

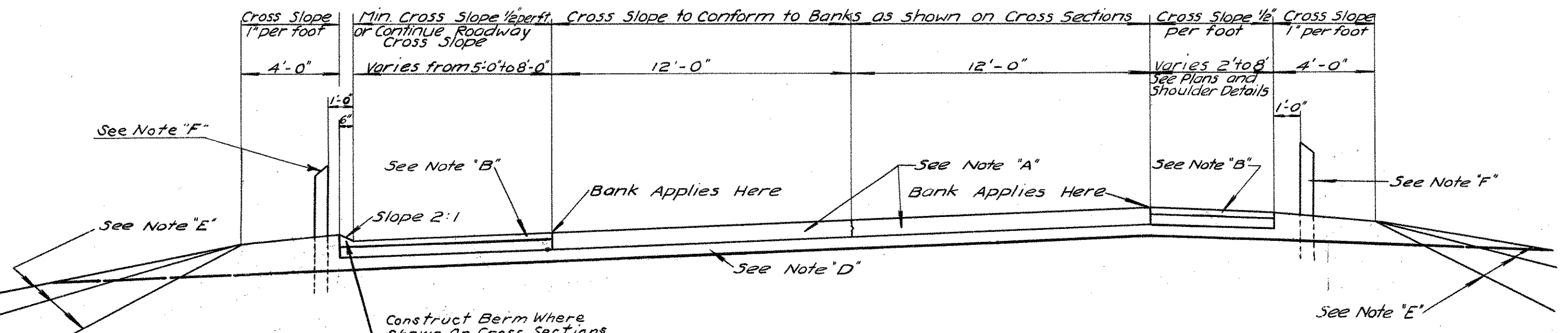
EAST HARTFORD-GLASTONBURY-EXPRESSWAY



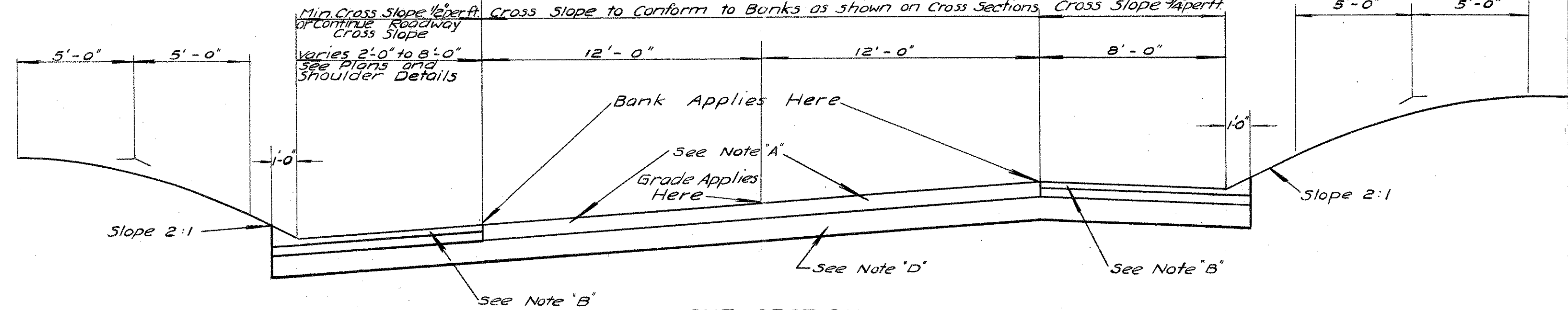
NORMAL SECTION IN FILL
LINE 'M' & LINE 'N'



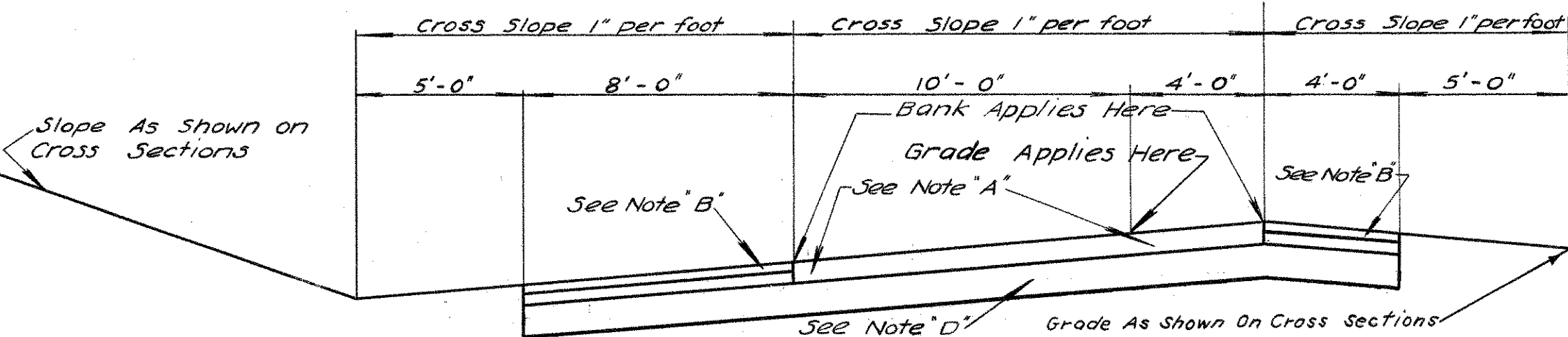
NORMAL SECTION IN FILL
LINE 'S' & LINE 'U'



BANKED SECTION IN FILL
LINE 'M' & LINE 'N'



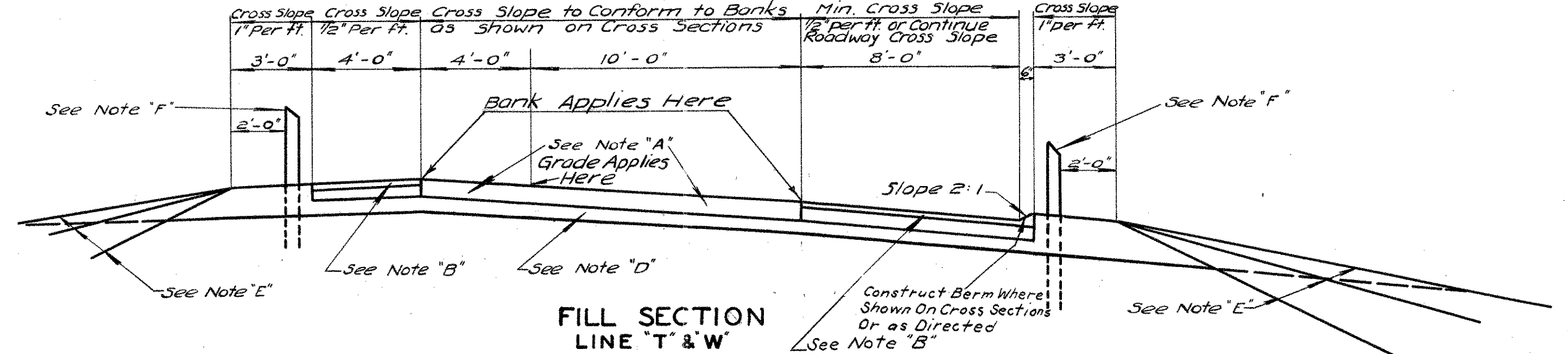
CUT SECTION
LINE 'S'



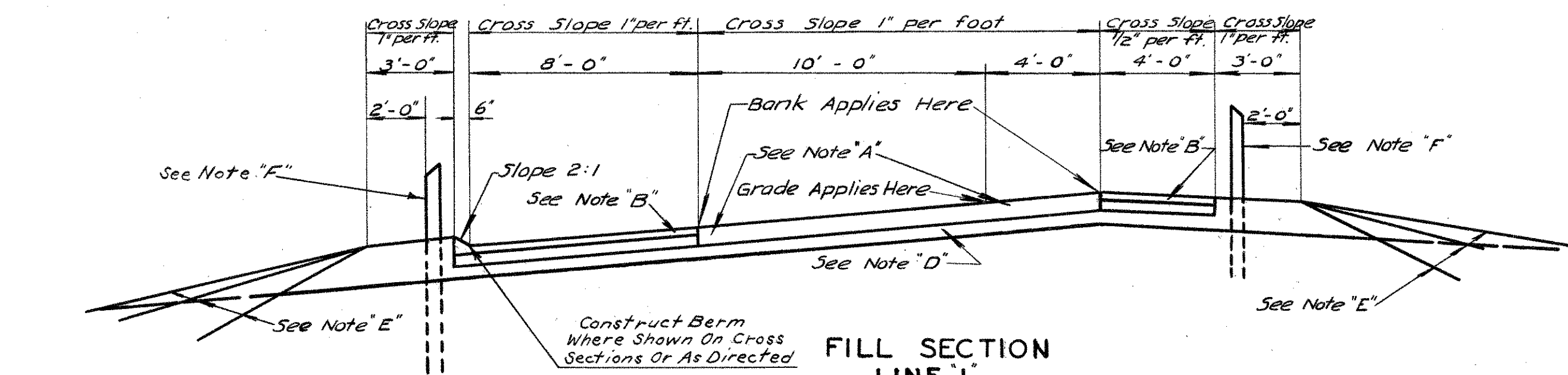
CUT SECTION
LINE 'L'

NOTES

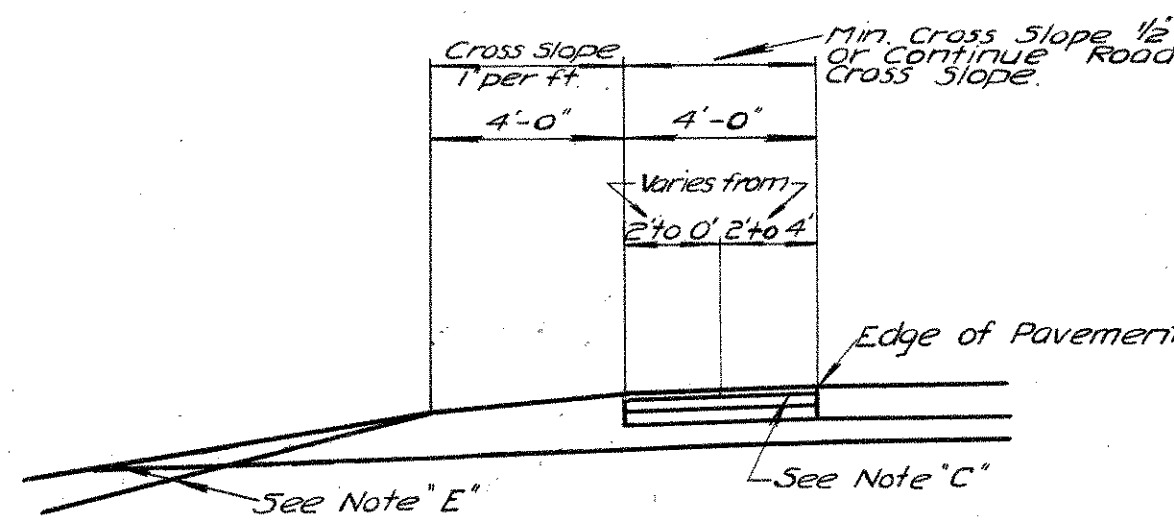
- Note 'A': Reinforced Concrete Pavement.
- Note 'B': When Shoulder Width is Greater than 4 Feet Gravel Shoulder 8" in depth after Compaction. Top Course - Bituminous Stabilized Shoulder 3" in depth. Base Course - Gravel Shoulder 5" in depth.
- Note 'C': Top Course - 2" Bituminous Concrete. Base Course - 6" Rolled Gravel Base Laid in Two 3" Courses.
- Note 'D': Subbase 6" in depth in Fills; 12" in depth in Cuts; or as Shown on Cross Sections, or as Directed.
- Note 'E': 4:1 Slope on Fills 0' to 4'. 6:1 Slope on Fills 4' to 8'. 2:1 Slope on Fills Over 8' or as Shown on Cross Sections, or as Directed.
- Note 'F': 3 Cable Wire Rope Railing where required.



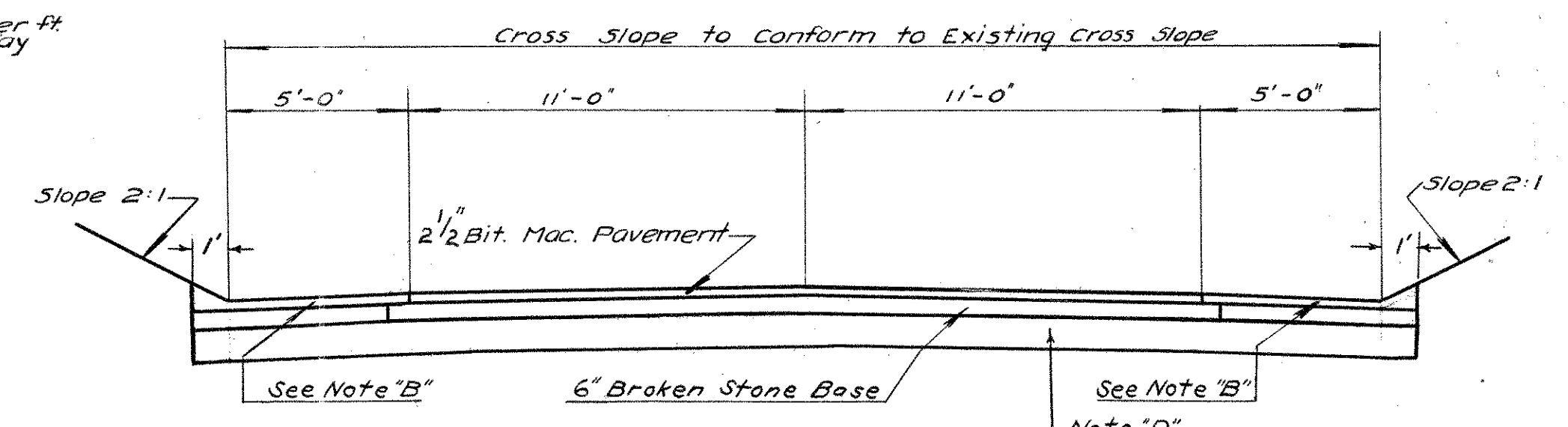
FILL SECTION
LINE 'T' & 'W'



FILL SECTION
LINE 'L'



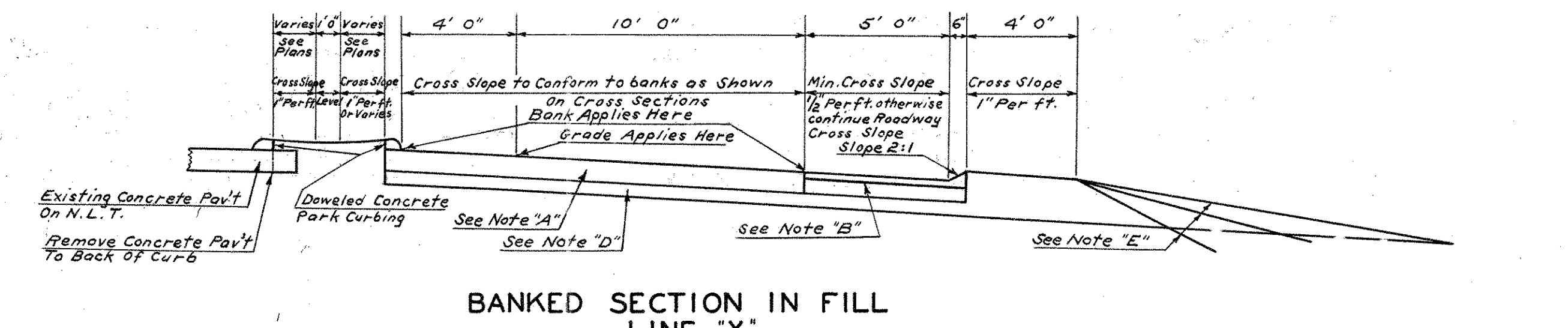
SHOULDER DETAIL (B)
Shoulder Less than 4' in Width



CUT SECTION
WILLIAMS ST.

SHOULDER WIDTHS

LINE N		LINE M		LINE U		LINE S		LINE L		LINE T		LINE W	
Station	Width Lt. Rt.	Station	Width Lt. Rt.	Station	Width Lt. Rt.	Station	Width Lt. Rt.	Station	Width Lt. Rt.	Station	Width Lt. Rt.	Station	Width Lt. Rt.
177+36.79	8'0" 2'0"	189+0	1'0" 5'0"	184+81.33	8'0" 8'0"	177+36.79	2'0" 8'0"	9+65.33	12'0"	0+41.50	8'0"	6+0	8'0"
187+0	2'0" 1'0"	189+50	1'0" 5'0"	184+81.33	8'0" 8'0"	177+36.79	2'0" 8'0"	11+15.33	12'0"	2+50	1'0"	8+0	4'0"
189+0	3'0" 1'0"	191+0	3'0" 5'0"	189+0	1'0" 5'0"	187+93.96	5'0" 2'0"	11+45.85	8'0" 4'0"	+80	4'0"	14+0	4'0"
192+0	1'0" 1'0"	192+0	1'0" 5'0"	190+41.50	8'0" 8'0"	189+0	1'0" 5'0"	18+0	1'0"	3+30.5	1'0"	15+0	8'0"
189+50	1'0" 1'0"	193+50	1'0" 5'0"	189+0	1'0" 5'0"	192+0	1'0" 5'0"	18+20.5	4'0"	10+55.5	4'0"		
192+0	5'0" 1'0"	194+0	5'0" 1'0"	192+50	1'0" 5'0"	193+0	1'0" 5'0"	18+65.5	4'0"	11+15.5	4'0"		
201+0	8'0" 5'0"	194+50	8'0" 5'0"	193+32	8'0" 5'0"	194+50	8'0" 5'0"	18+94.81	8'0"	11+34.79	12+50		
203+80	5'0" 5'0"	194+75	5'0" 5'0"	194+50	5'0" 5'0"	195+50	5'0" 5'0"	20+64.81	8'0"				
212+72	8'0" 5'0"	196+0	5'0" 5'0"	195+0	5'0" 5'0"	202+0	5'0" 5'0"	211+0	5'0"				
		198+0	5'0" 5'0"	198+10	5'0" 5'0"	217+80.47	8'0"						
		199+50	2'0"										
		199+97.27	2'0"										
		203+0	8'0" 2'0"										

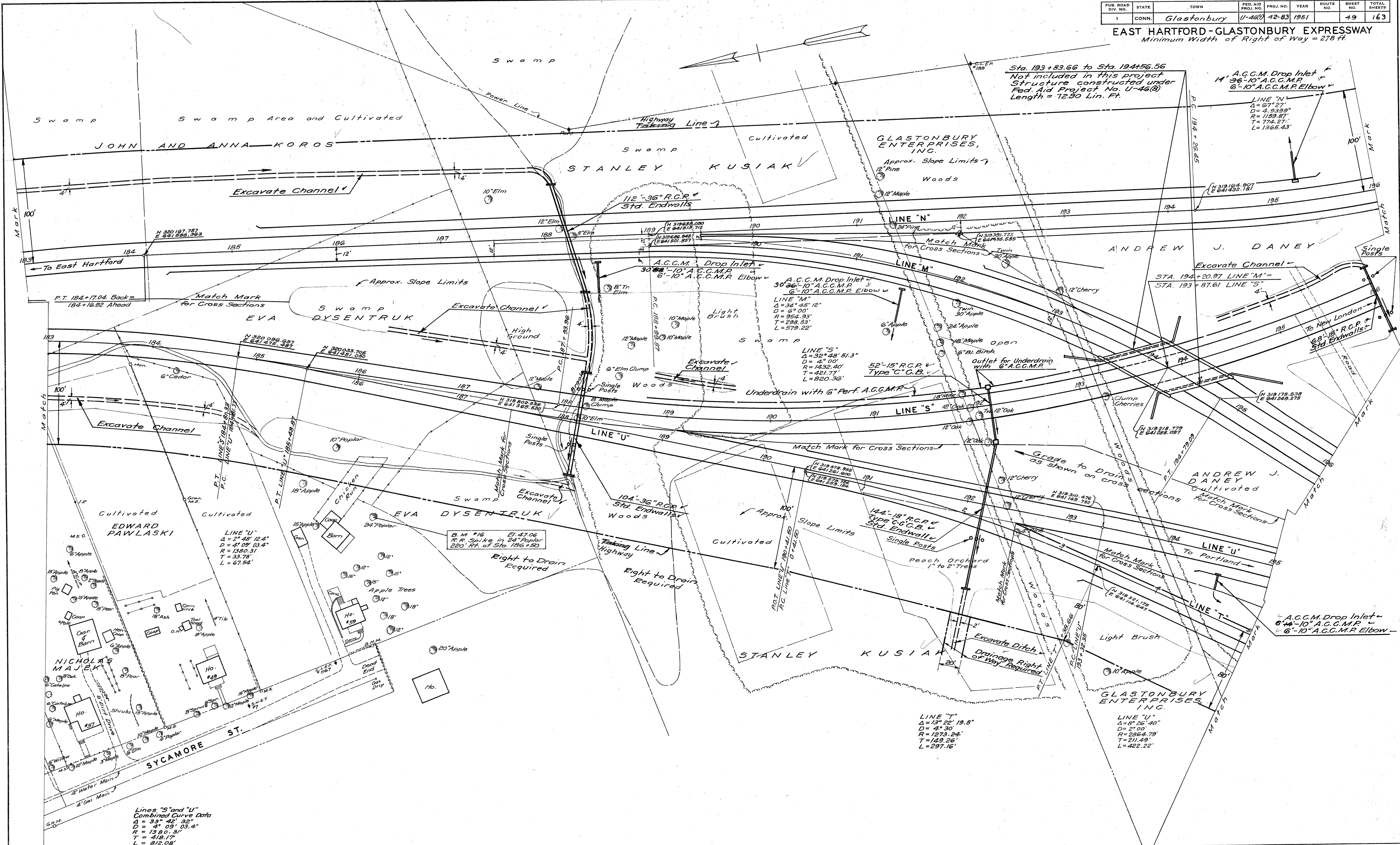


BANKED SECTION IN FILL
LINE 'X'

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.	Glastonbury	U-46(2)	42-83	1951		49	163

EAST HARTFORD - GLASTONBURY EXPRESSWAY
 Minimum Width of Right of Way = 278 ft.



DATE	BY	DESCRIPTION
1949	Lo. Co. Va.	Surveyed
1949	Waterhouse	Plotted
1949	TATE	Traced
1950	TATE	Designed
1950	TATE	New Const. noted
1950	TATE	NO. 42-83

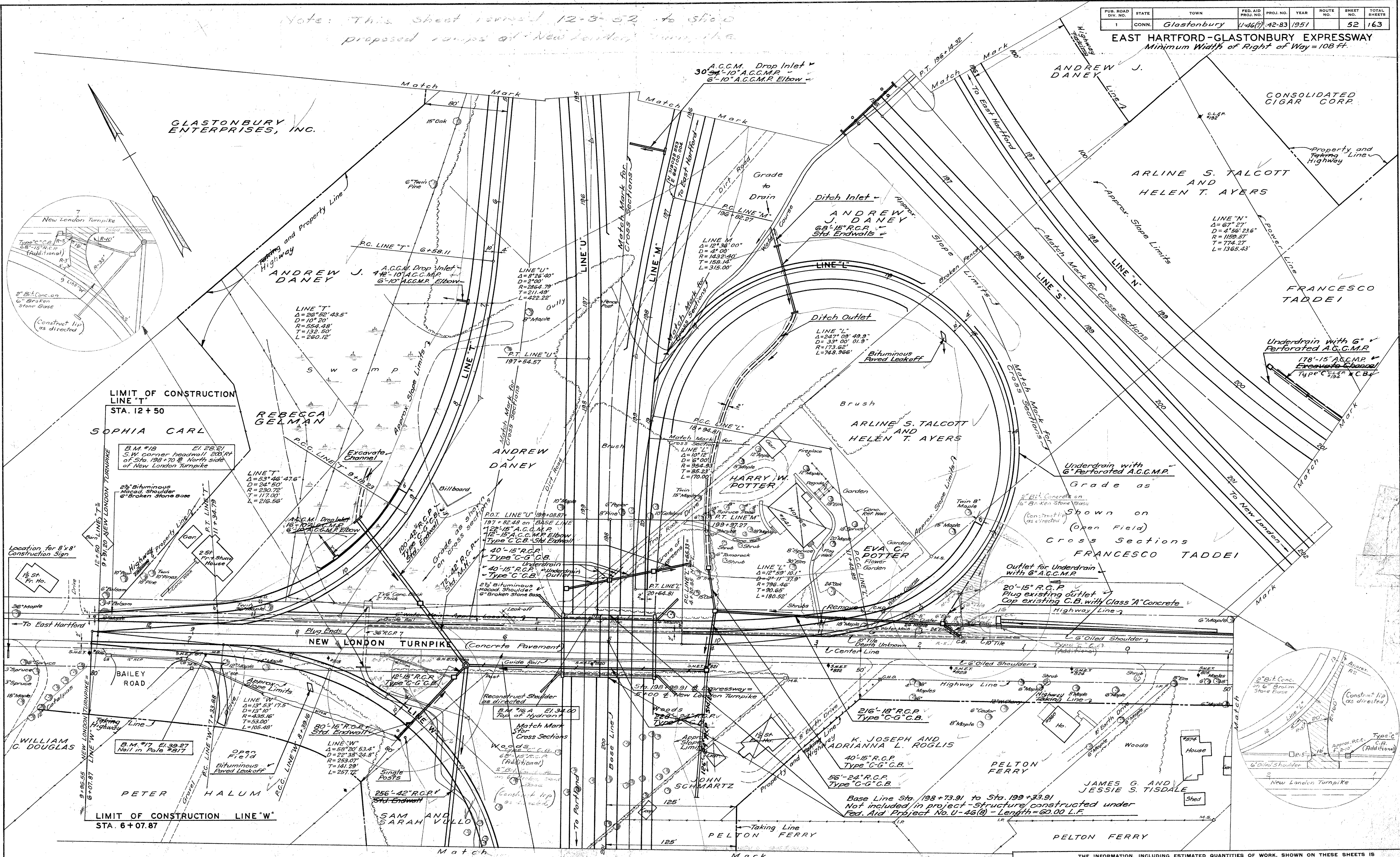
Lines "S" and "U"
 Combined Curve Data
 Δ = 3° 42' 35"
 D = 4° 03' 03.4"
 R = 1380.3'
 T = 418.17'
 L = 812.08'

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PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Glastonbury	V-46(7)	42-83	1951		52	163

EAST HARTFORD-GLASTONBURY EXPRESSWAY
Minimum Width of Right of Way = 108 Ft.

Note: This sheet revised 12-3-52 to show proposed ramps of New London Turnpike.



PLAN	DATE	CHECKED BY
Surveyed	1949	La Cava
Planned	1949	Waltman
Traced	1949	Yate
Designed	1950	Berchert
New Const. noted	1950	Yate

NOTE BOOK NO. 42-62

LIMIT OF CONSTRUCTION LINE T
STA. 12 + 50

SOPHIA CARL

B.M. #18 El. 28.21
S.W. corner headwall 231' RT of Sta. 198 + 70.82 North side of New London Turnpike

2 1/2" Bituminous Macadam Shoulder
6" Broken Stone Base

Excavate Channel

Billboard

Underdrain with 6" Perforated A.C.G.M.P. Type C.C.B.

LIMIT OF CONSTRUCTION LINE W
STA. 6 + 07.87

PETER HALUM

B.M. #17 El. 39.27
Nail in Pole #37

Open Field

Bituminous Paved Leakoff

256'-42" R.C.P. Std. Endwall

Reconstruct Shoulder as directed

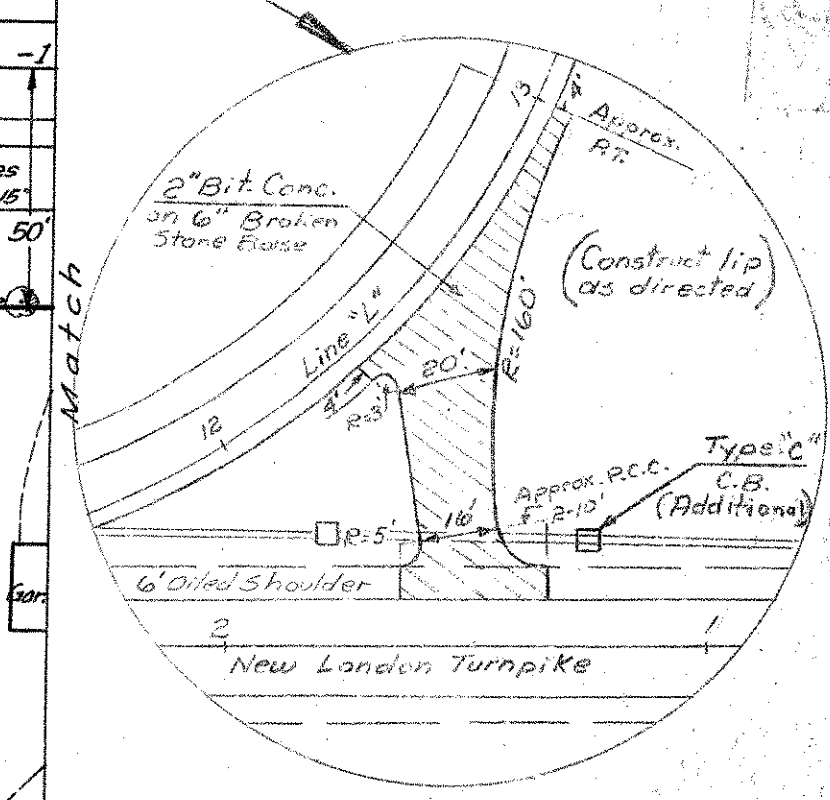
Match Mark for Cross Sections

Woods (Additional)

Single Posts

256'-42" R.C.P. Std. Endwall

Base Line Sta. 198 + 73.91 to Sta. 199 + 33.91
Not included in project - structure constructed under Fed. Aid Project No. U-46(7) - Length = 60.00 L.F.

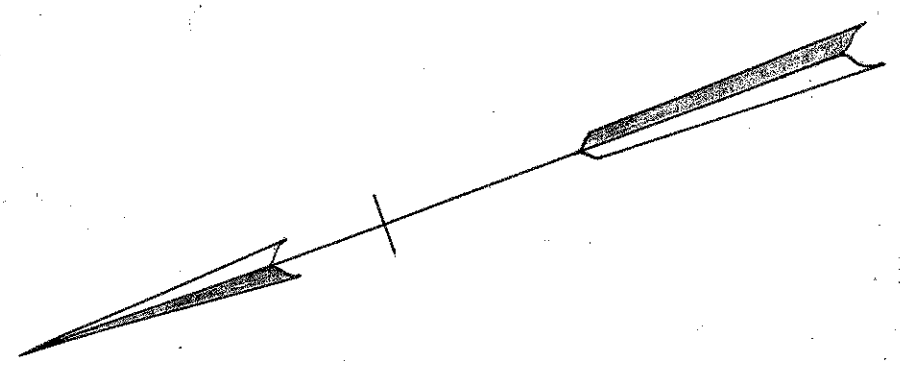


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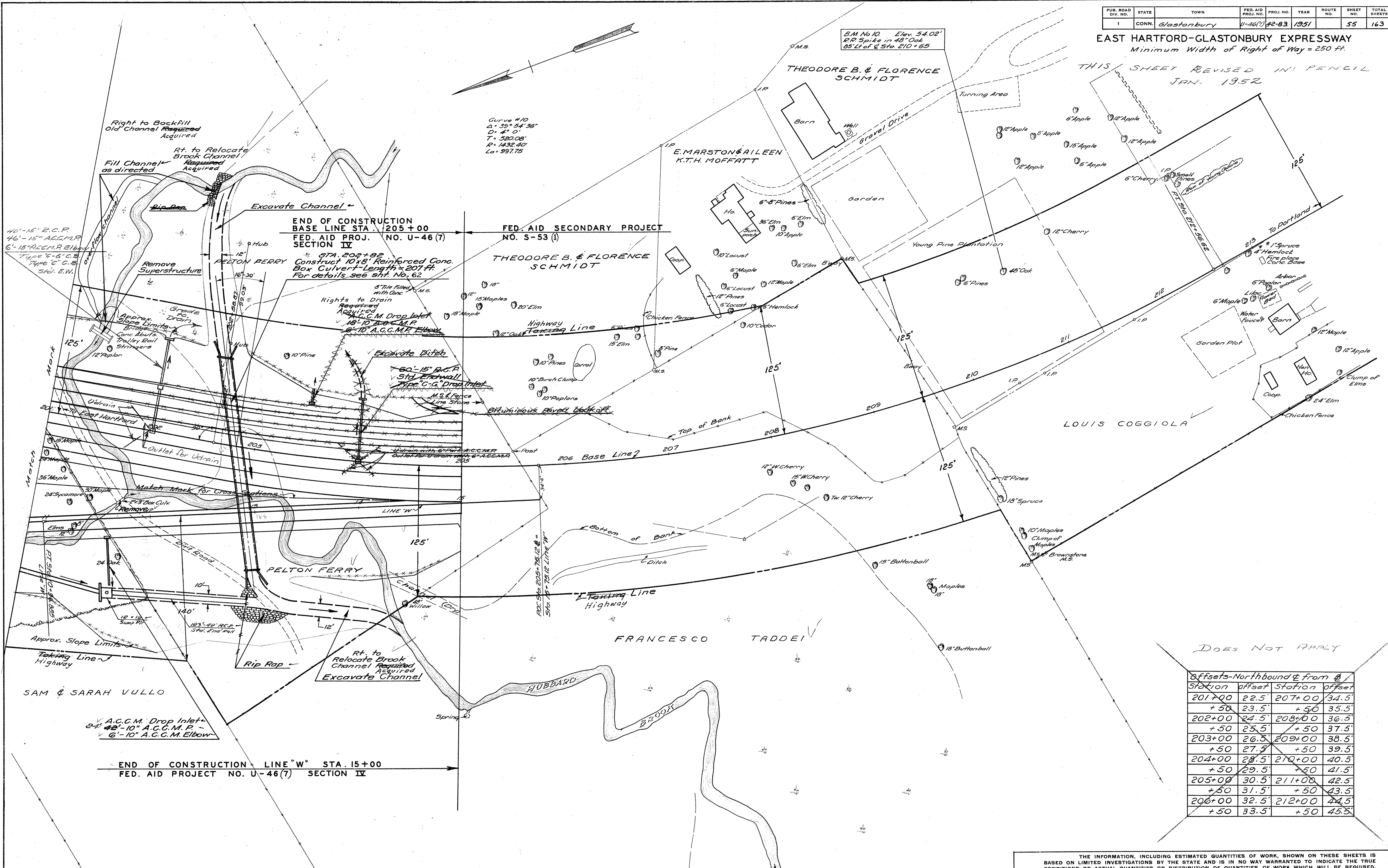
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Glastonbury	U-46(7)	42-83	1951		55	163

EAST HARTFORD-GLASTONBURY EXPRESSWAY
Minimum Width of Right of Way = 250 ft.

THIS SHEET REVISED IN PENCIL
JAN. 1952



Curve #10
D = 39° 54' 36"
D = 4' 0"
T = 520.08'
R = 1432.40'
L = 997.75



PLAN	DATE	CHECKED BY
Surveyed		
Plotted		
Traced		
Designed		
New Const. noted		

Does NOT APPLY

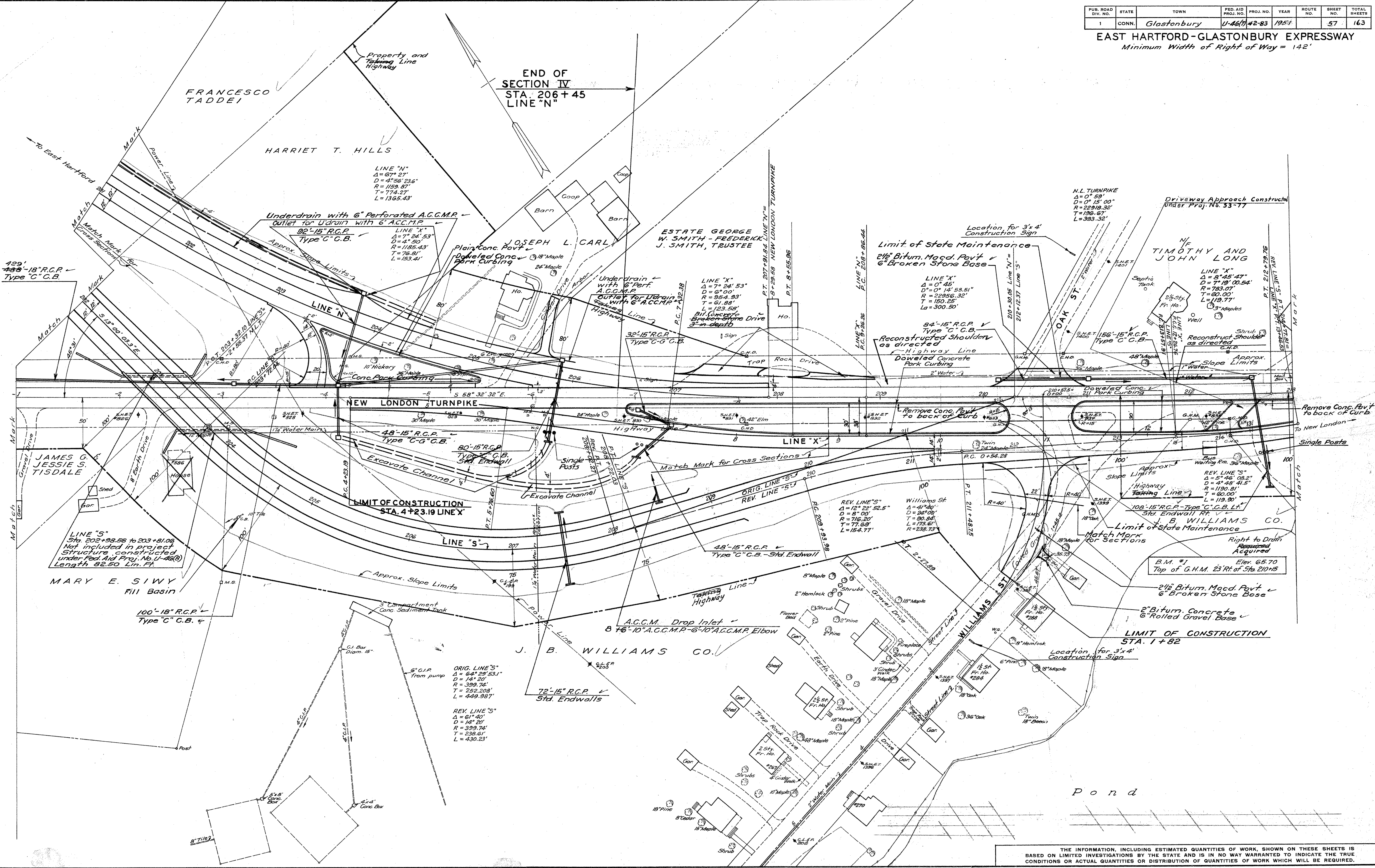
Station	offset	Station	offset
201+00	22.5'	207+00	34.5'
+50	23.5'	+50	35.5'
202+00	24.5'	208+00	36.5'
+50	25.5'	+50	37.5'
203+00	26.5'	209+00	38.5'
+50	27.5'	+50	39.5'
204+00	28.5'	210+00	40.5'
+50	29.5'	+50	41.5'
205+00	30.5'	211+00	42.5'
+50	31.5'	+50	43.5'
206+00	32.5'	212+00	44.5'
+50	33.5'	+50	45.5'

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.	Glastonbury	U-46(7)	42-83	1951		57	163

EAST HARTFORD-GLASTONBURY EXPRESSWAY
 Minimum Width of Right of Way = 142'

END OF SECTION IV
 STA. 206+45
 LINE "N"

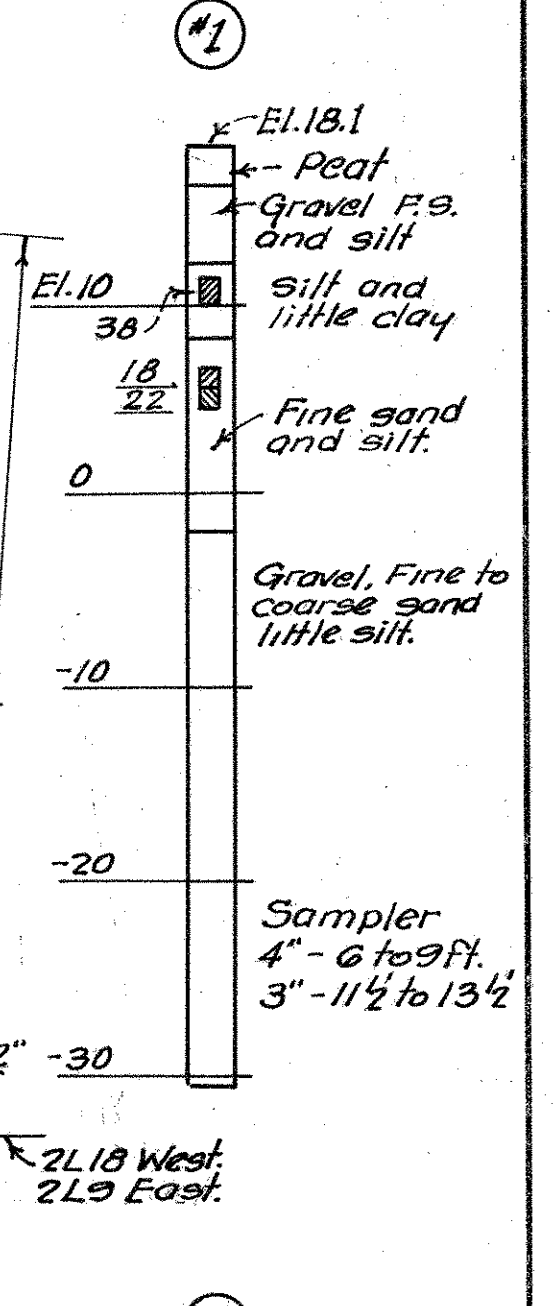


PLAN	DATE	CHECKED BY
Surveyed	1949	
Plotted	1949	
Traced	1949	
Designed	1950	
New Const. noted	1950	

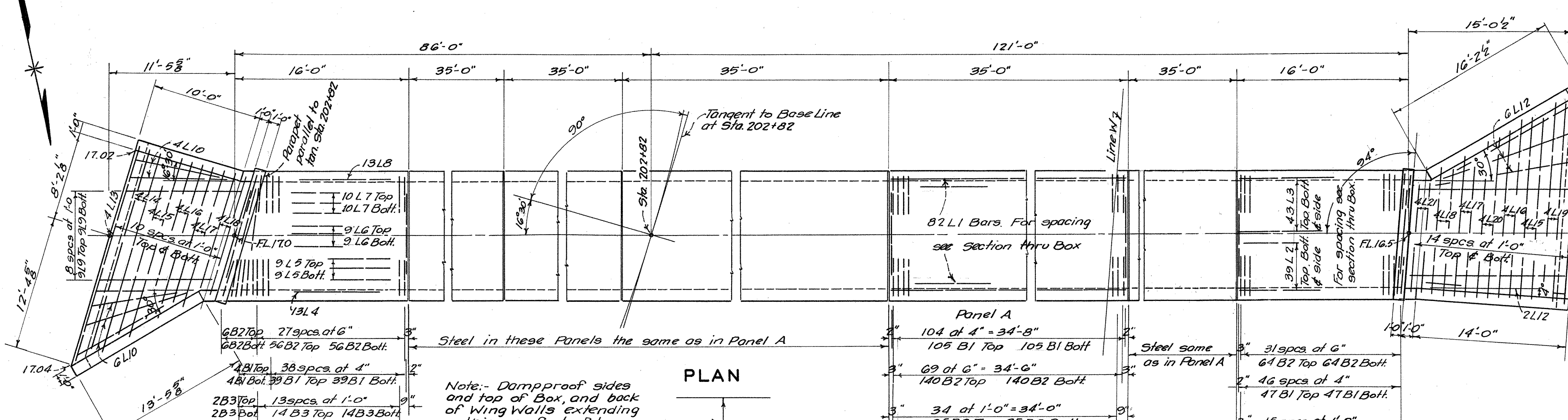
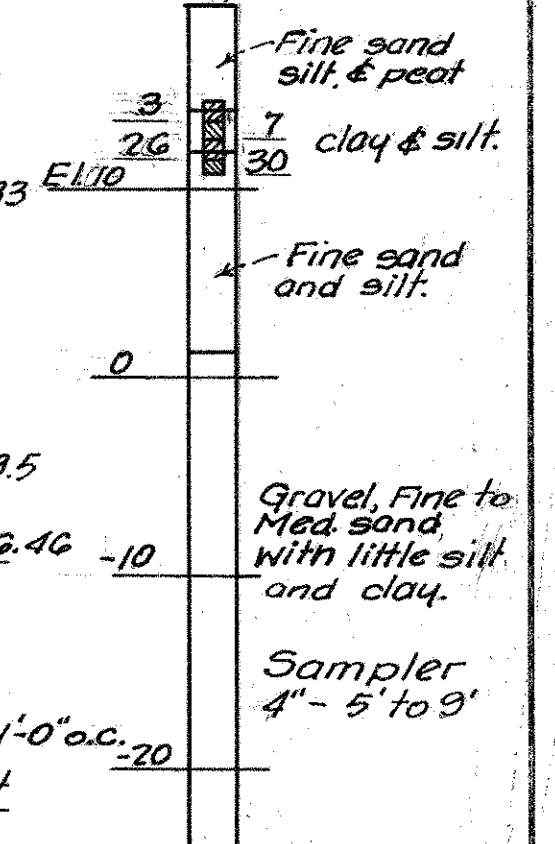
NOTE BOOK NO. 42-62

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.

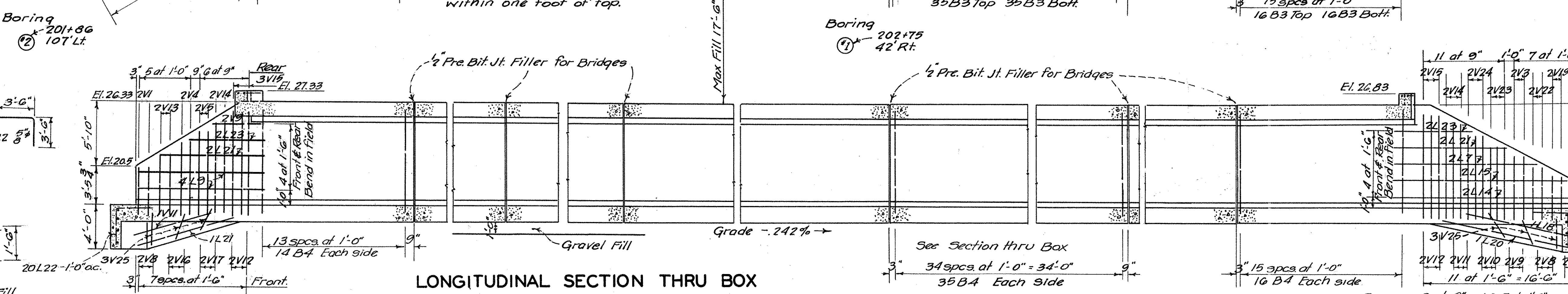
BORINGS



SECT. THRU PARAPET

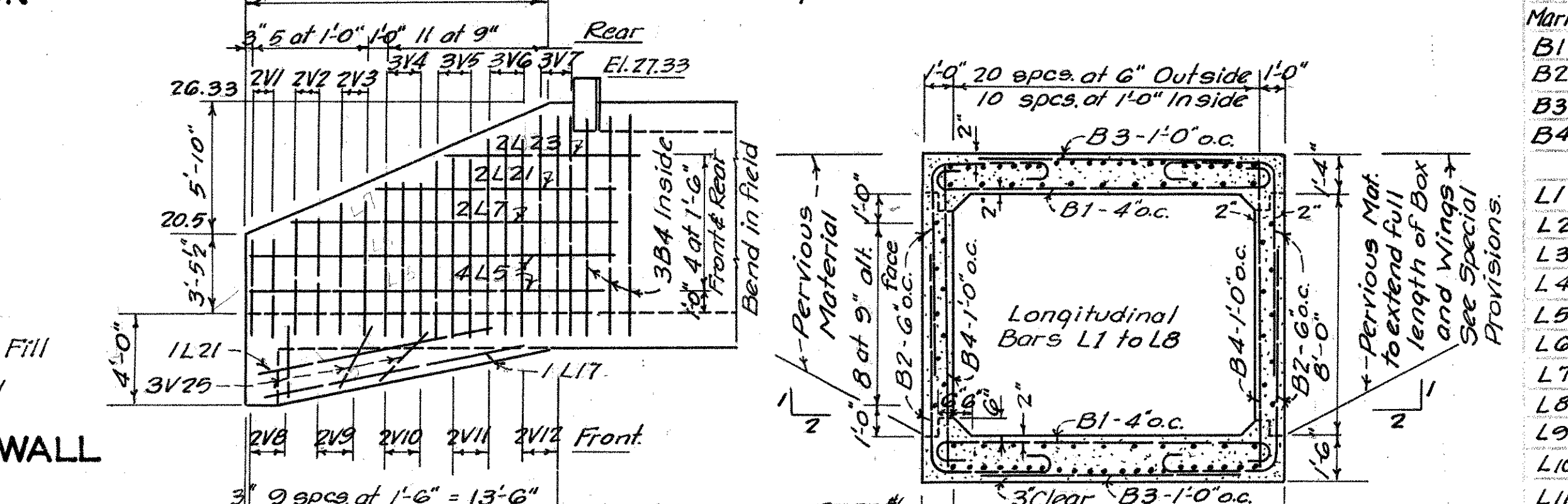
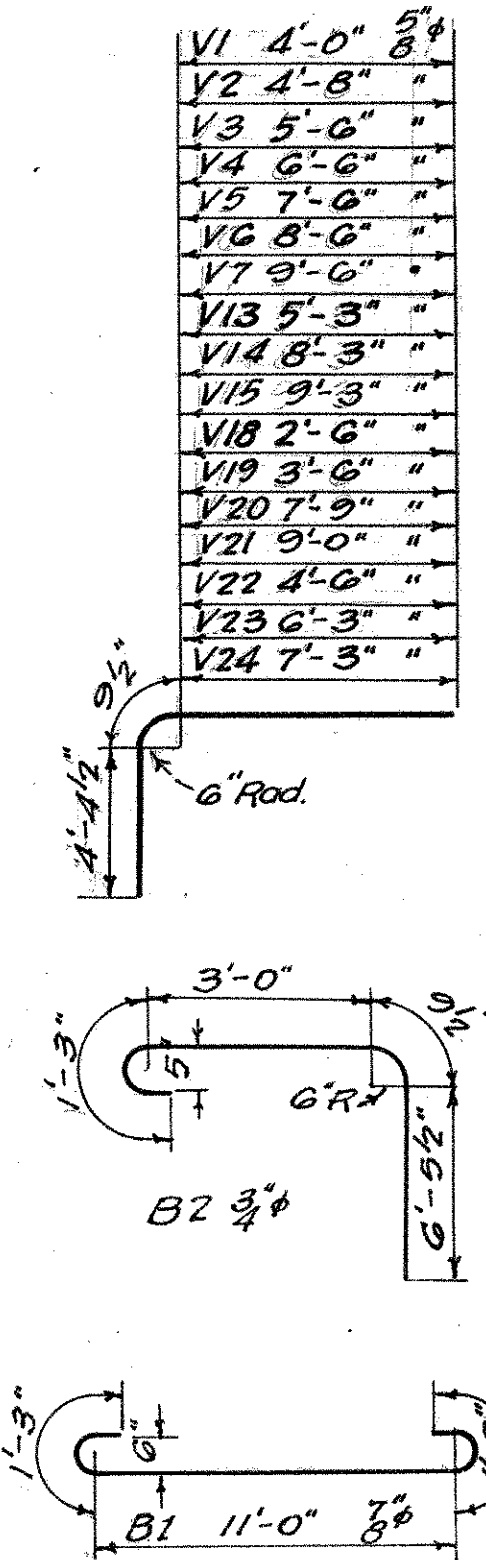


PLAN



LONGITUDINAL SECTION THRU BOX

Note:-- Install (each side) 4" drains 20' o.c. with cobbles and stone backing. El. and location to be determined by the Engineer in the Field.

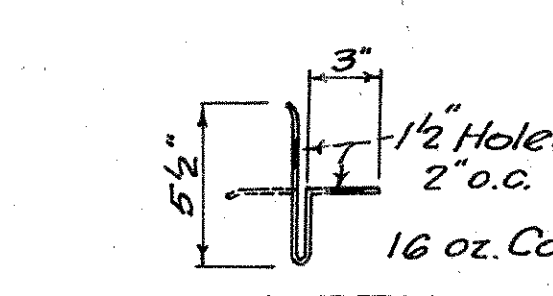
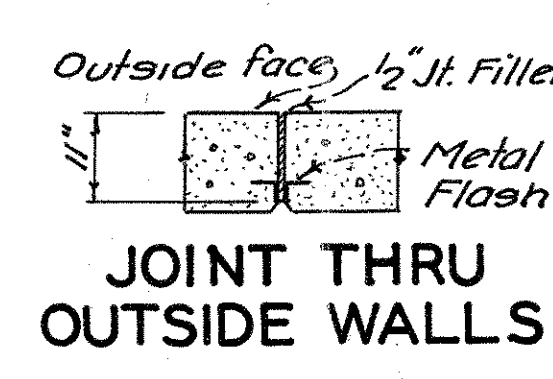
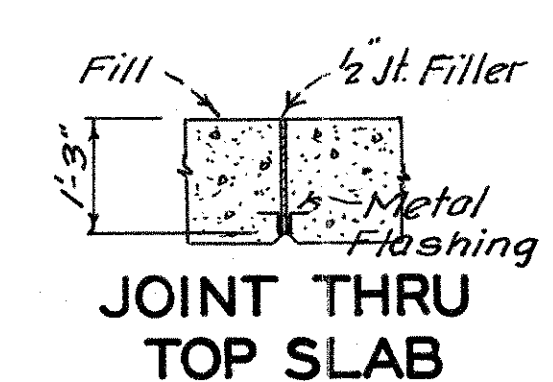


REAR FACE N.E. WING

SECTION THRU BOX

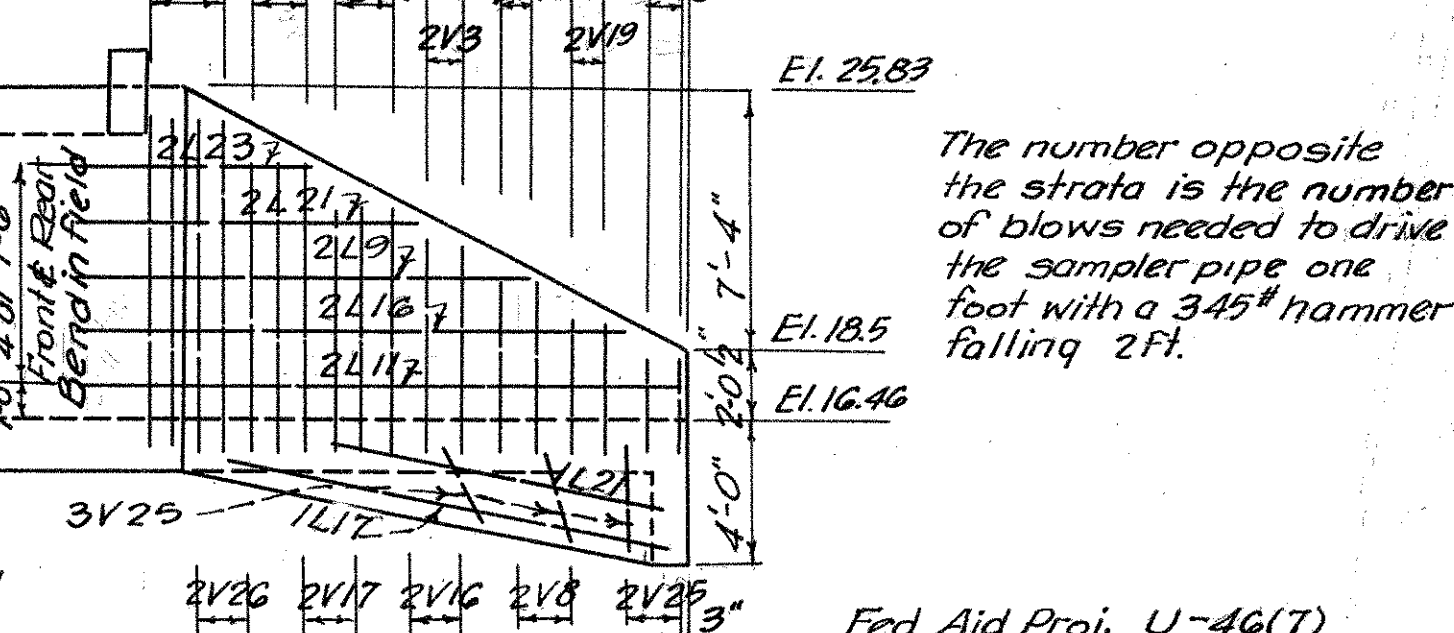
BAR BILL

Mark	No.	Size	Rem.	Length	Wt.#	Mark	No.	Size	Rem.	Length	Wt.#
B1	1230	7/8"	Detail	13'-6"	33,941	V1	4	5/8"	Detail	9'-2"	38
B2	1652	3/4"		11'-6"	28,975	V2	2	"		9'-10"	21
B3	414	"	str.	9'-0"	5,596	V3	6	"		10'-8"	67
B4	413	5/8"		10'-0"	4,308	V4	8	"		11'-8"	97
						V5	5	"		12'-8"	66
L1	410	5/8"	str.	34'-9"	14,860	V6	3	"		13'-8"	43
L2	39	"		15'-3"	620	V7	3	"		14'-8"	46
L3	43	"		15'-8"	709	V8	8	"	str.	4'-3"	35
L4	13	"		17'-6"	237	V9	6	"		5'-6"	34
L5	22	"		16'-0"	367	V10	4	"		6'-9"	28
L6	18	"		14'-9"	277	V11	5	"		8'-0"	42
L7	24	"		14'-0"	350	V12	6	"		9'-0"	59
L8	13	"		14'-0"	191	V13	2	"	Detail	10'-5"	22
L9	26	"		12'-6"	339	V14	4	"		19'-5"	56
L10	10	"		9'-0"	94	V15	5	"		14'-5"	75
L11	20	"		16'-6"	344	V16	4	"	str.	6'-0"	25
L12	8	"		13'-0"	108	V17	4	"		7'-6"	31
L13	4	"		20'-6"	86	V18	4	"	Detail	7'-8"	32
L14	10	"		19'-0"	193	V19	4	"		8'-8"	36
L15	10	"		17'-0"	177	V20	3	"		12'-11"	40
L16	10	"		15'-0"	156	V21	4	"		14'-2"	59
L17	10	"		13'-0"	136	V22	4	"		9'-8"	40
L18	11	"		11'-0"	132	V23	2	"		11'-5"	24
L19	4	"		18'-0"	75	V24	2	"		12'-5"	26
L20	5	"		14'-6"	76	V25	10	"	str.	3'-0"	50
L21	15	"		10'-0"	164	V26	2	"		9'-0"	19
L22	39	"	Detail	7'-0"	285						
L23	8	"	str.	7'-0"	58						
						Total				935,30	



DETAIL METAL FLASHING

Note:-- Metal Flashing in side walls and top slab only. 1/2" jt. Filler in both slabs and all walls.



REAR FACE N.W. WING

CONNECTICUT STATE HIGHWAY DEPARTMENT
TOWN OF GLASTONBURY
EAST HARTFORD-GLASTONBURY EXPRESSWAY
10 X 8 REINF CONC CULVERT
HUBBARD BROOK STA. 202+82

REVISIONS

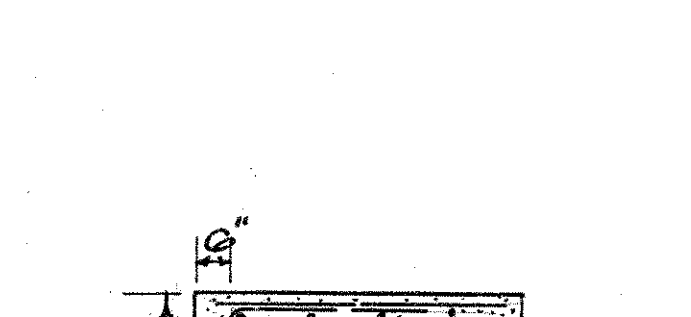
NO.	DATE	DESCRIPTION

DESIGNED BY E.T.K.
SCALES 3/8", 1/2", 3/16"
MADE BY E.T.K.
CHECKED BY C.R.J.
APPROVED J.D. Denny

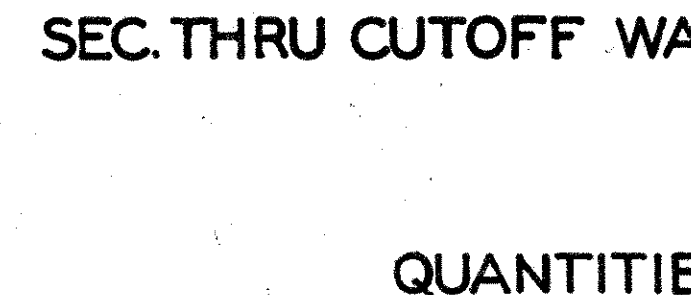
DATE 9/7/50
DATE 9/11/50
DATE 8/14/50

PROJECT NO. 42-83
BRIDGE SHEET NO. 1 OF 1

SEC. THRU APRON



SEC. THRU CUTOFF WALL



QUANTITIES

Bridge Excavation	1,000 c.y.
Portland Cement	615 bbl.
Natural Cement	111 bbl.
Class A Concrete	435 c.y.
1/2" Pre. Bit. Exp. Jt. Filler for Bridges	300 s.f.
Deformed Steel Bars	93,530 lb.
Metal Flashing	156 lb.
Dampproofing	820 s.y.
Gravel Fill	150 c.y.
Pervious Material	1,450 c.y.

NOTES

Specifications:-- Conn. State Highway Dept. Form 807, A.A.S.H.O. LL H20
Bevel all exposed edges of concrete 1"x1"
Class A conc. to be used throughout.
Reinf. steel to consist of deformed bars of an approved type.
Cost of furnishing and placing 4" pipe for drains is to be included in the cost of General Contract.
Excavation for channel relocation and Exc. outside limits of Bridge Exc. will be paid for as Roadway Excavation.
Quantities given are approximate only and do not relieve the contractor of the responsibility of checking them in preparing his bid.

FED. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.
1	CONN.	Glastonbury	U-46(8)	1950	2	1

CONNECTICUT STATE HIGHWAY DEPARTMENT PLAN FOR CONSTRUCTION

OF THREE STRUCTURES ON THE
EAST HARTFORD-GLASTONBURY EXPRESSWAY
& APPROACHES AT INTERCHANGE AT ROUTE 2

IN THE TOWN OF
GLASTONBURY

FROM STA. 202+98.56 TO STA. 203+81.06

LENGTH 82.50 FT.

SCALES (PLAN 1 IN. = 100 FT.
PROFILE HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.
CROSS SECTIONS 1 IN. = — FT.

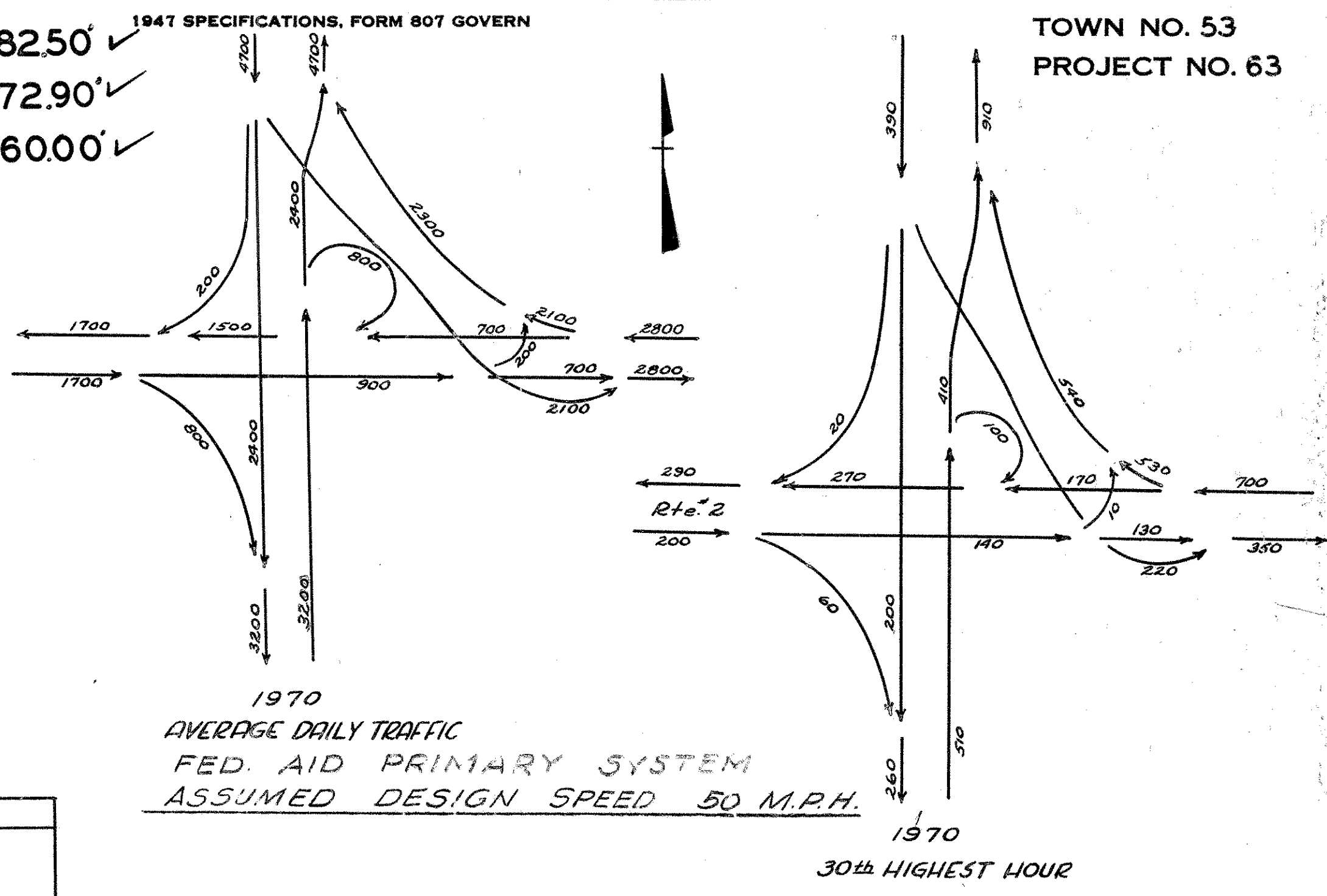
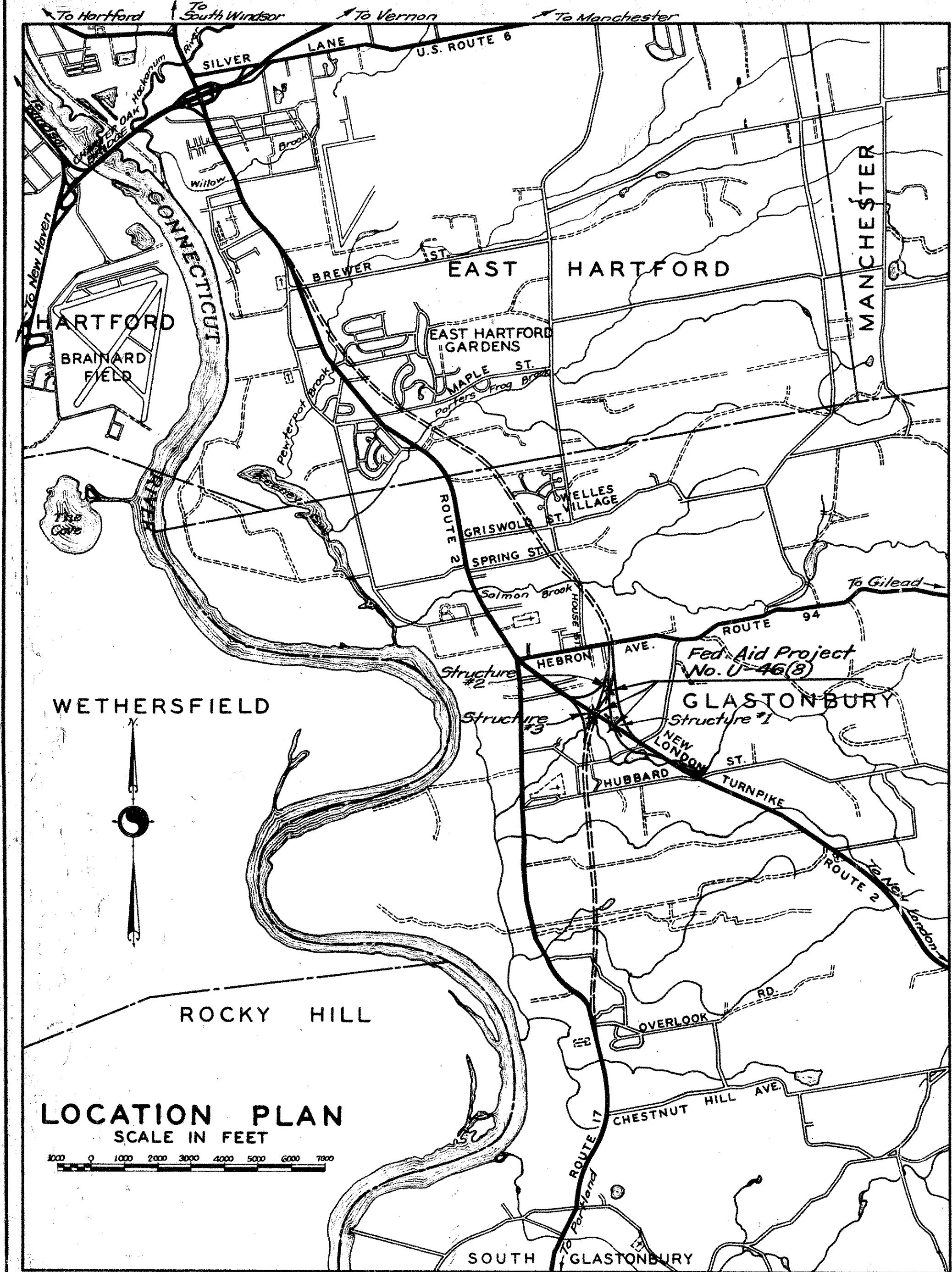
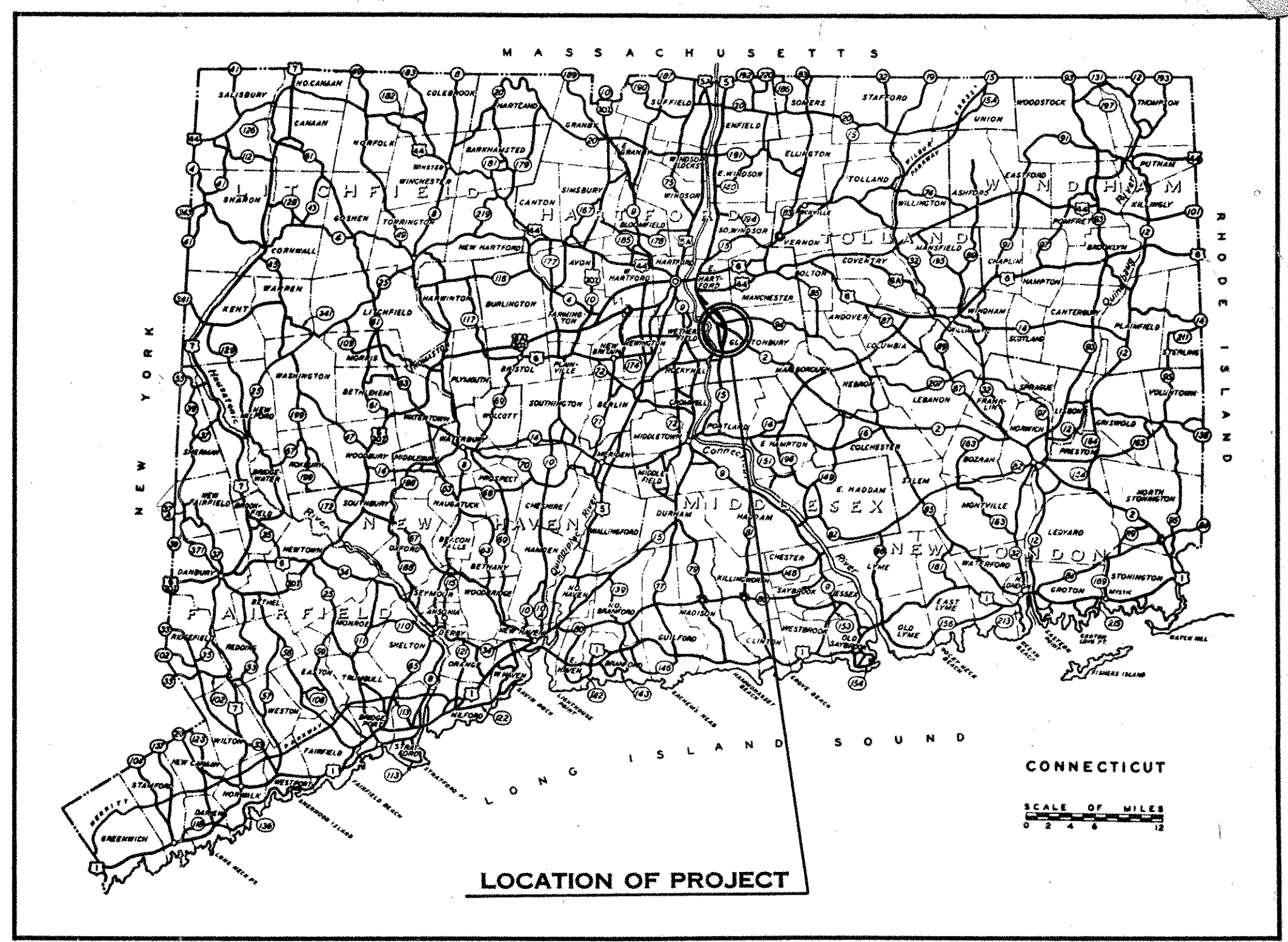
NOTE: All Elevations For This Project Based Upon U. S. C. & G. DATUM
FEDERAL AID PROJECT U-46 (8)

TO BE MAINTAINED BY THE STATE

- SECT'N. I-STRUCTURE 1-LINE S-STA. 202+98.56-STA. 203+81.06-LENGTH-82.50' ✓
- SECT'N. II-STRUCTURE 2-LINE M-STA. 193+83.66-STA. 194+56.56-LENGTH-72.90' ✓
- SECT'N. III-STRUCTURE 3-BASE LINE-STA. 198+73.91-STA. 199+33.91-LENGTH-60.00' ✓

* NOT INCLUDED IN LENGTH OF PROJECT

SHEET	TITLE	SHEET	STANDARDS
1	Title Sheet with Est. Quantities	711	Figures for dates on Bridge Rail
2-3	Typical Sections		
4	Plan Sheet		
5-6	Profile Sheets		
7-11	Bridge Sheets - Structure 1		
12-16	Bridge Sheets - Structure 2		
17-21	Bridge Sheets - Structure 3		



CONSTRUCTION STARTED SEPT 19 1950
CONSTRUCTION COMPLETED MAY 15 1952
PLANS REVISED BY E.H.B. DATE 10/24/53
PLANS CHECKED BY A.J.B. DATE 11/1/53

STANDARD CONVENTIONS

Hedge	Picket Fence	Present Culvert
Guide Rail	Board Fence	Proposed Culvert
Curb	Retaining Wall	House
Stone Wall	Open Ditch	Swamp
Concrete Walk	Open Ditch	Gas Random Pump Stone
Walk	Telegraph, Telephone or Elec. Pole	Highway Man. C.M.D. Marker
Conn. Co. Present Tracks	Trolley Poles	Present C.B.
Proposed Tracks	Ledge or Rock	Proposed C.B.
Taking Line	Tree Hydrant	
Property Line	Pole M.H.	
Town Line	Rivers, Lakes etc.	
Grape Arbor	North Point	
Wire Fence		

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BRIDGE	ESTIMATED QUANTITIES												
	EXCAVATION	PORTLAND CEMENT	NATURAL CEMENT	CLASS A CONCRETE	1/2 PREM. BIT. EXP. JOINT FILLER FOR BRIDGES	DEFORMED STEEL BARS	STRUCTURAL STEEL	METAL FLASHING	DAMP PROOFING	METAL BRIDGE RAIL	GRAVEL FILL	PERVIOUS MATERIAL	
	C.Y.	BBL.	BBL.	C.Y.	S.F.	LB.	LB.	LB.	S.Y.	LF.	C.Y.	C.Y.	
FEDERAL BRIDGE SECTION I													
STRUCTURE 1 LINE S	1185	1825	330	1291	475	83844	161000	256	586	171	100	250	
TOTAL SECTION I	1185	1825	330	1291	475	83844	161000	256	586	171	100	250	
FEDERAL BRIDGE SECTION II													
STRUCTURE 2 LINE M	1600	1820	329	1288	180	83427	116000	275	560	152	100	320	
TOTAL SECTION II	1600	1820	329	1288	180	83427	116000	275	560	152	100	320	
FEDERAL BRIDGE SECTION III													
STRUCTURE 3 BASE LINE	992	2010	363	1423	693	102672	177500	418	660	122	208	100	
TOTAL SECTION III	992	2010	363	1423	693	102672	177500	418	660	122	208	100	
FED. AID PARTICIPATING													
GRAND TOTALS	3777	5655	1022	4002	1348	269943	454500	949	1806	445	408	670	

THESE QUANTITIES NOT CORRECTED

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL:
[Signature] DATE

DISTRICT ENGINEER

APPROVED:
[Signature] DATE

DIVISION ENGINEER

APPROVED July 26 1950
Ernest J. Perkins
ENGINEER OF HIGHWAY DESIGN

APPROVED July 27 1950
M. Alfred Kachala
ENGINEER OF LOCATION & DESIGN

APPROVED July 27 1950
Ray C. [Signature]
DEPUTY HIGHWAY COMMISSIONER

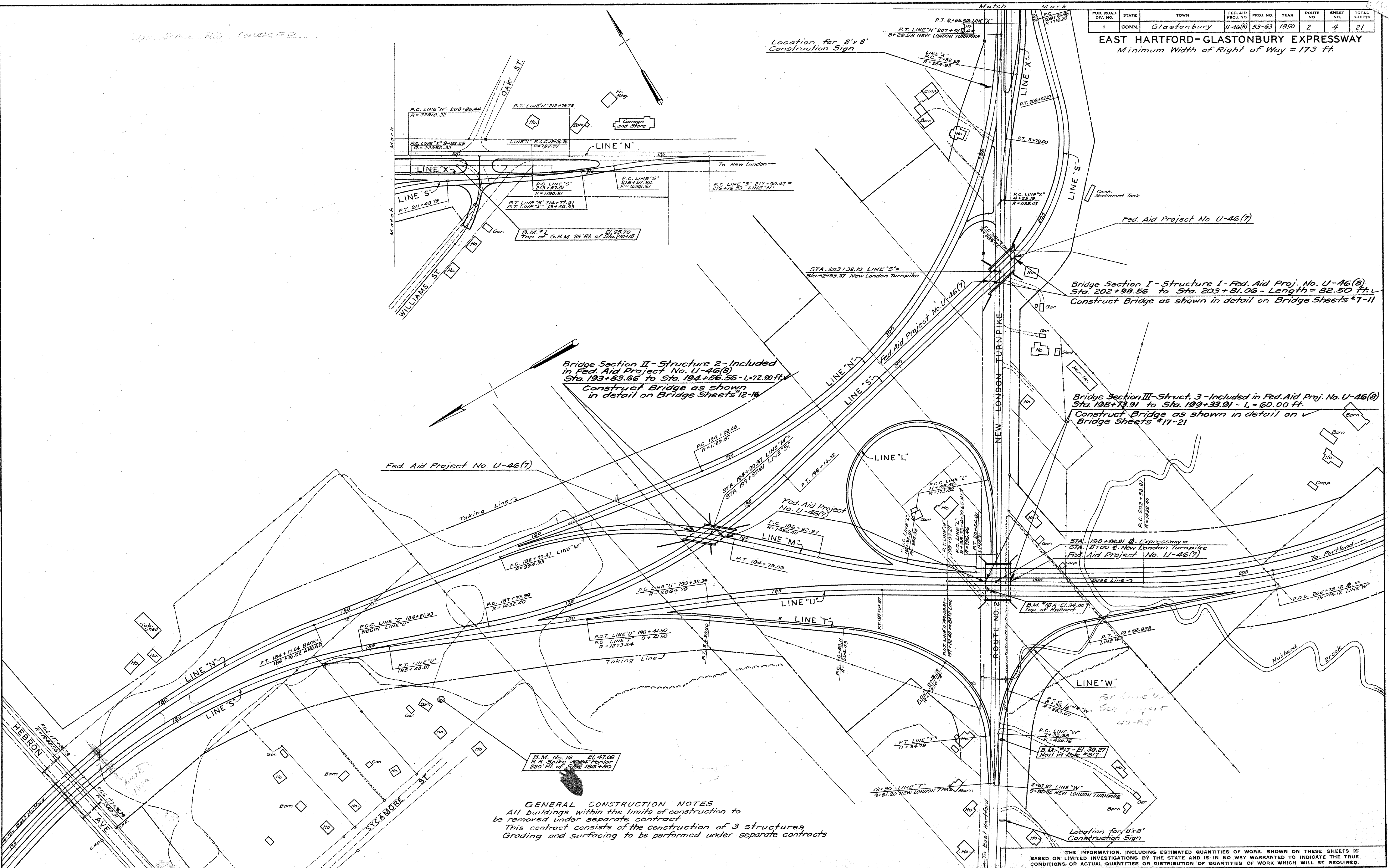
161 04

FOR INFORMATION ONLY

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Glastonbury	U-46(8)	53-63	1950	2	4	21

EAST HARTFORD-GLASTONBURY EXPRESSWAY
 Minimum Width of Right of Way = 173 ft

100' SCALE NOT CORRECTED

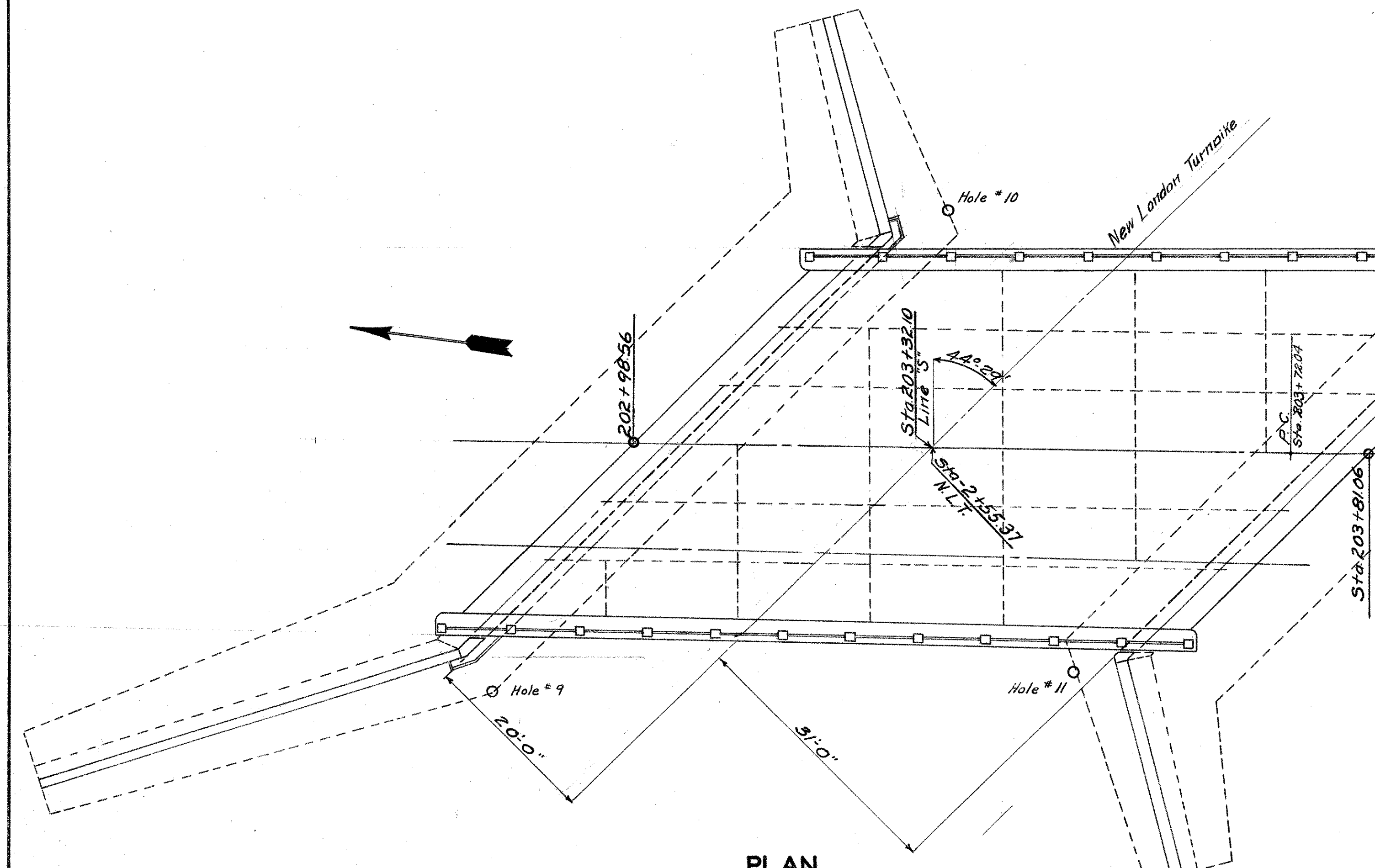


PLAN	NO	NOTE BOOK
17997		
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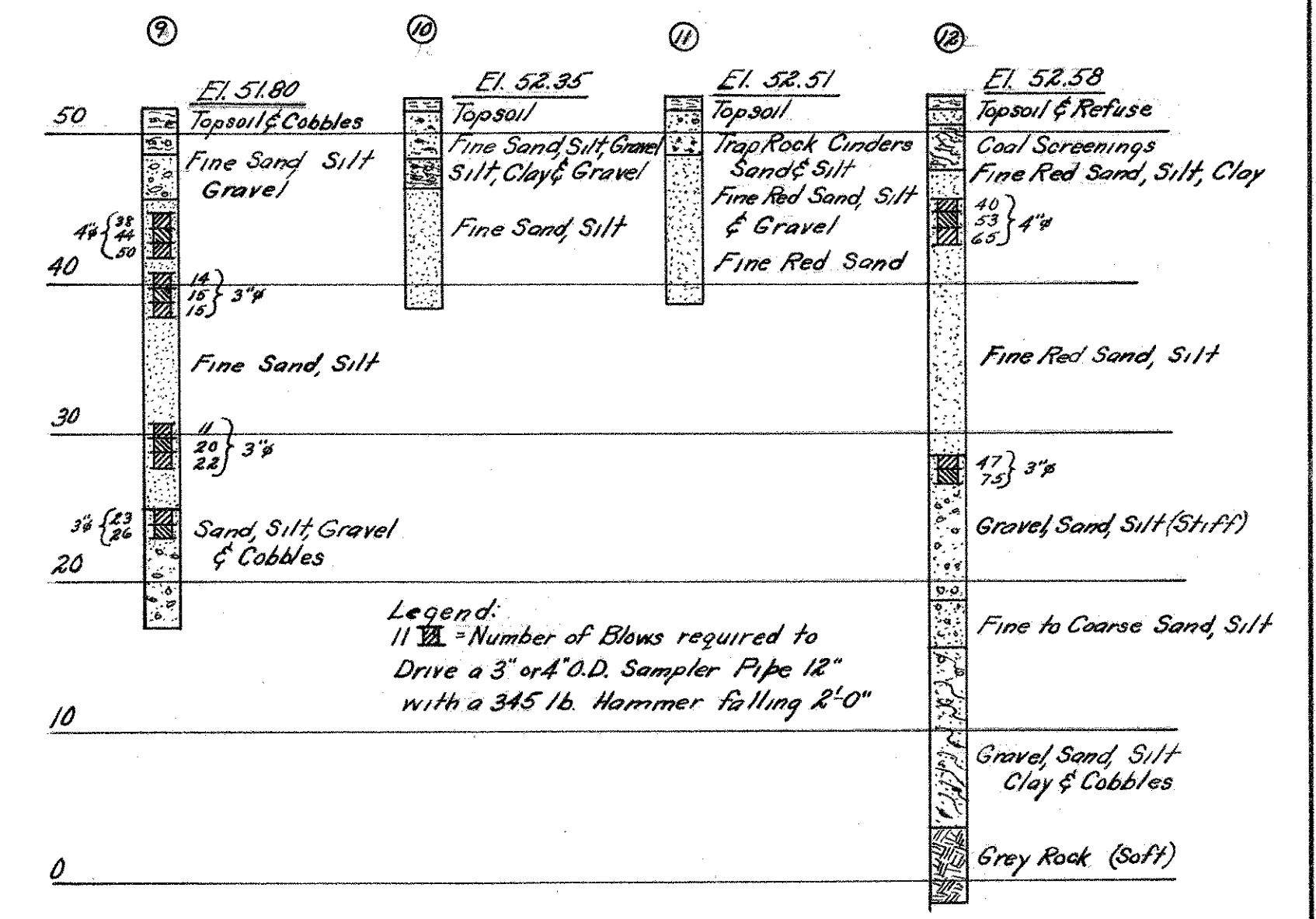
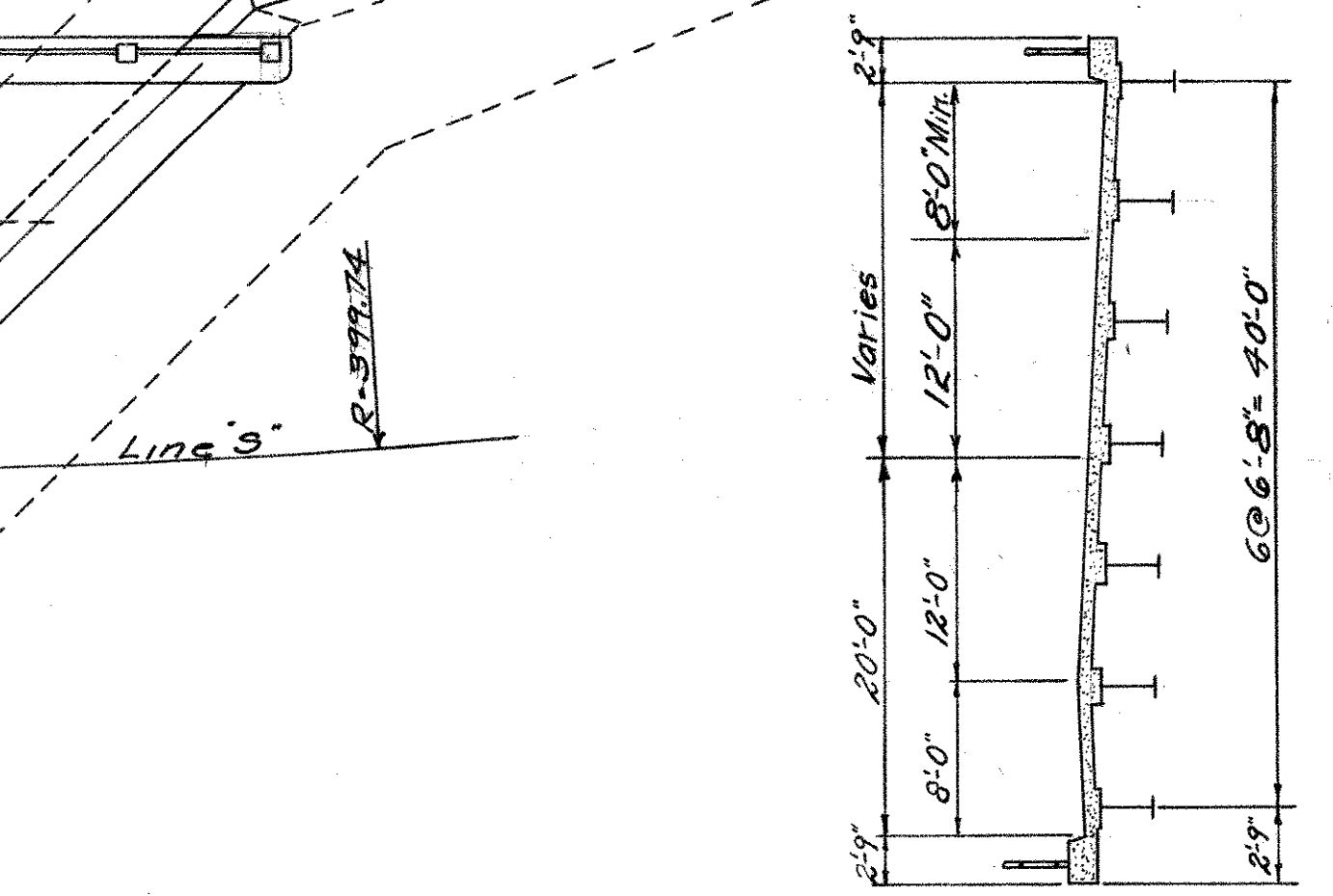
GENERAL CONSTRUCTION NOTES
 All buildings within the limits of construction to be removed under separate contract
 This contract consists of the construction of 3 structures
 Grading and surfacing to be performed under separate contracts

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PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Glastonbury	U46(B)53-63	1950	2	7	21	

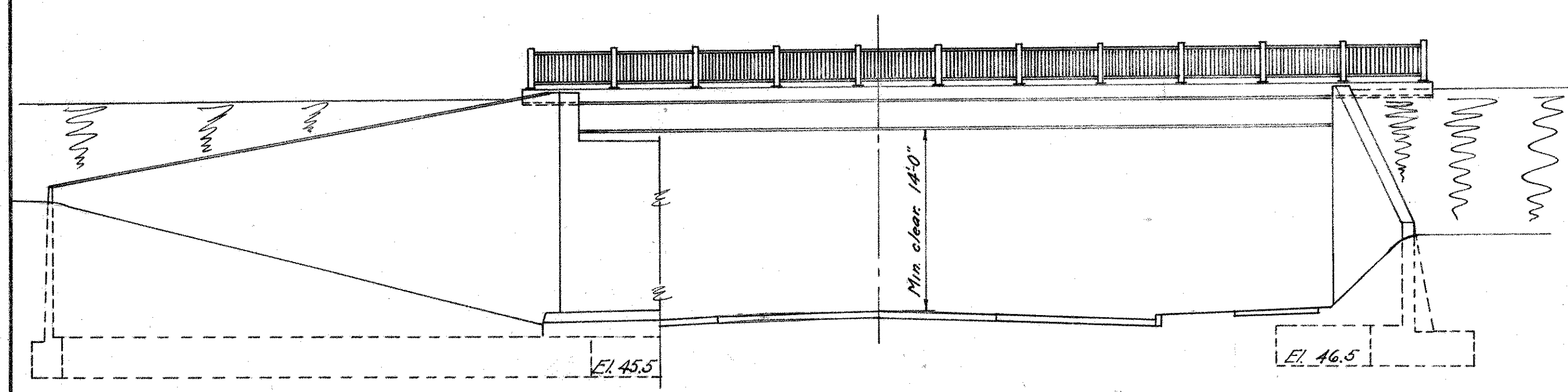


PLAN

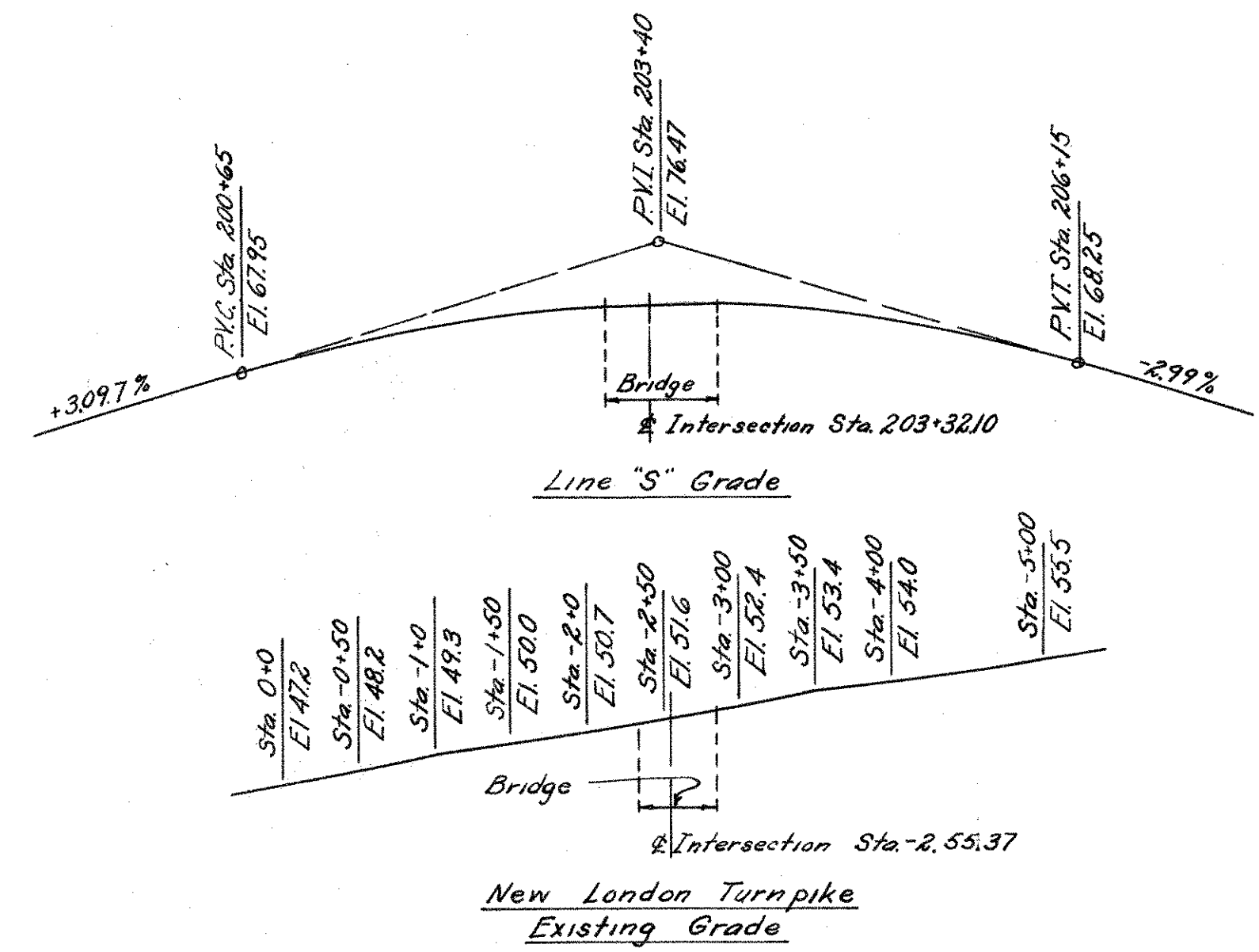


BORINGS

Legend:
 11 Blows = Number of Blows required to Drive a 3" or 4" O.D. Sampler Pipe 12" with a 345 lb. Hammer falling 2'-0"



ELEVATION



QUANTITIES

Item	Unit	Substructure	Superstructure	Total
Bridge Excavation	C.Y.	1185		1185
Portland Cement	Bbbs.	1672	153	1825
Natural Cement	Bbbs.	302	28	330
Class A Concrete	C.Y.	1183	108	1291
1/4" Prem. Bit Exp. Jt. Filler for Bridges	S.F.	475		475
Deformed Steel Bars	Lbs.	61,313	22,531	83,844
Structural Steel	Lbs.		161,000	161,000
Metal Flashing	Lbs.	256		256
Damp Proofing	S.Y.	586		586
Metal Bridge Rail	L.F.		171	171
Gravel Fill	C.Y.	100		100
PerVIOUS Material	C.Y.	250		250

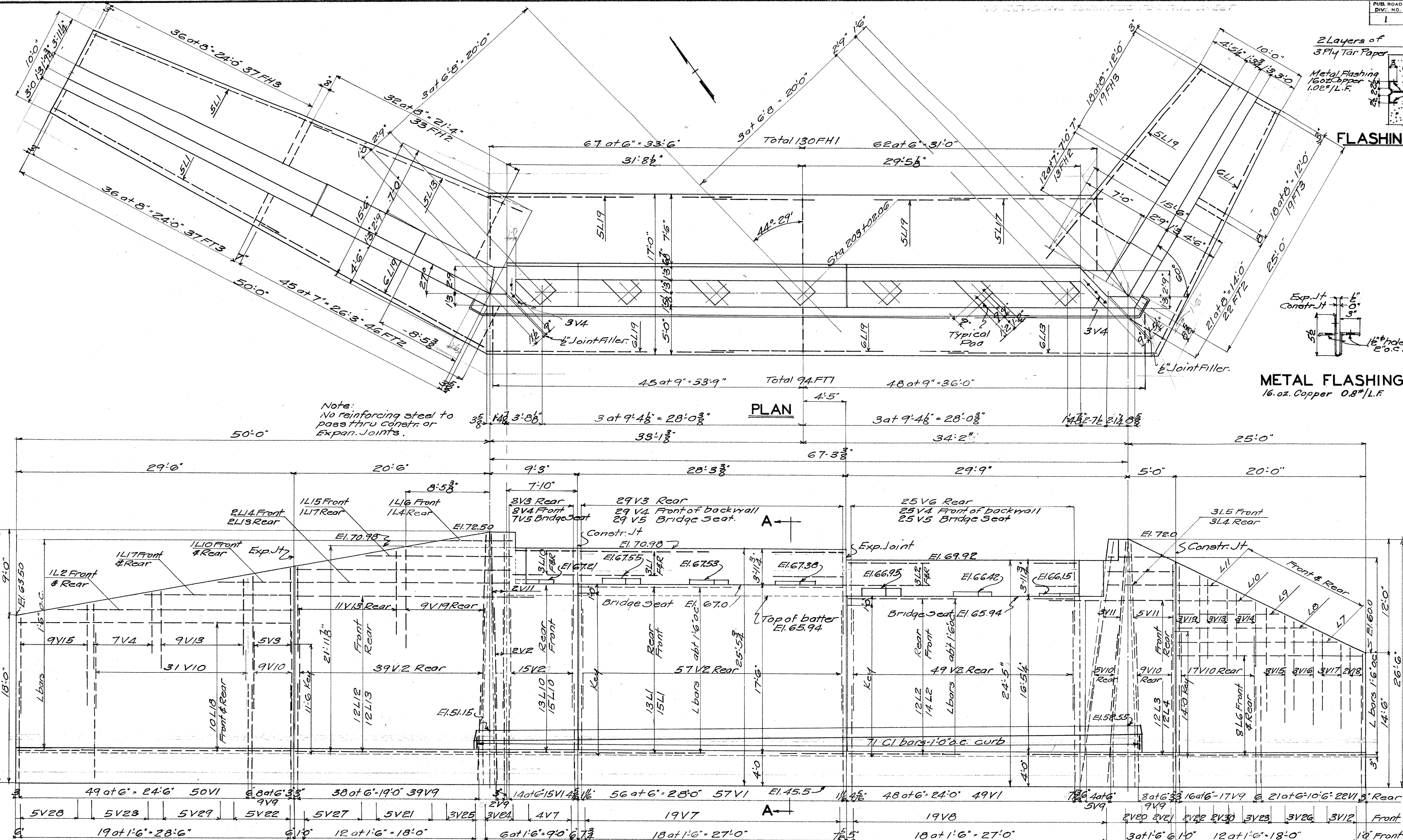
	Class A Concrete	Portland Cement	Natural Cement
Footings	557	787	142
Stems	626	885	160
Superstructure	108	153	28

Notes:
 General Specifications-Conn. State Highway Dept Form 807
 Design Specifications-A.A.S.H.O. Div III 1942 Live Load H20S1644
 Class A Concrete to be used thruout.
 Cost of 4" Weepholes, broken stone at each weephole and 2 layers of Tarpaper to be included in the general cost of the contract.
 The item Bridge Excavation contains a quantity sufficient in amount to provide for a layer of gravel 6" thick under the entire structure, however, gravel fill is to be placed under the structure only if directed by the Engineer.
 Metal Bridge Rail and Structural Steel to be painted one shop coat of Zinc Chromate & Iron Oxide & two field coats of a color and shade as specified by the Engineer in the field.
 Parts in contact with concrete not to be painted.
 Quantities listed are approximate only and do not relieve the Contractor of the responsibility of checking them when preparing his bid.

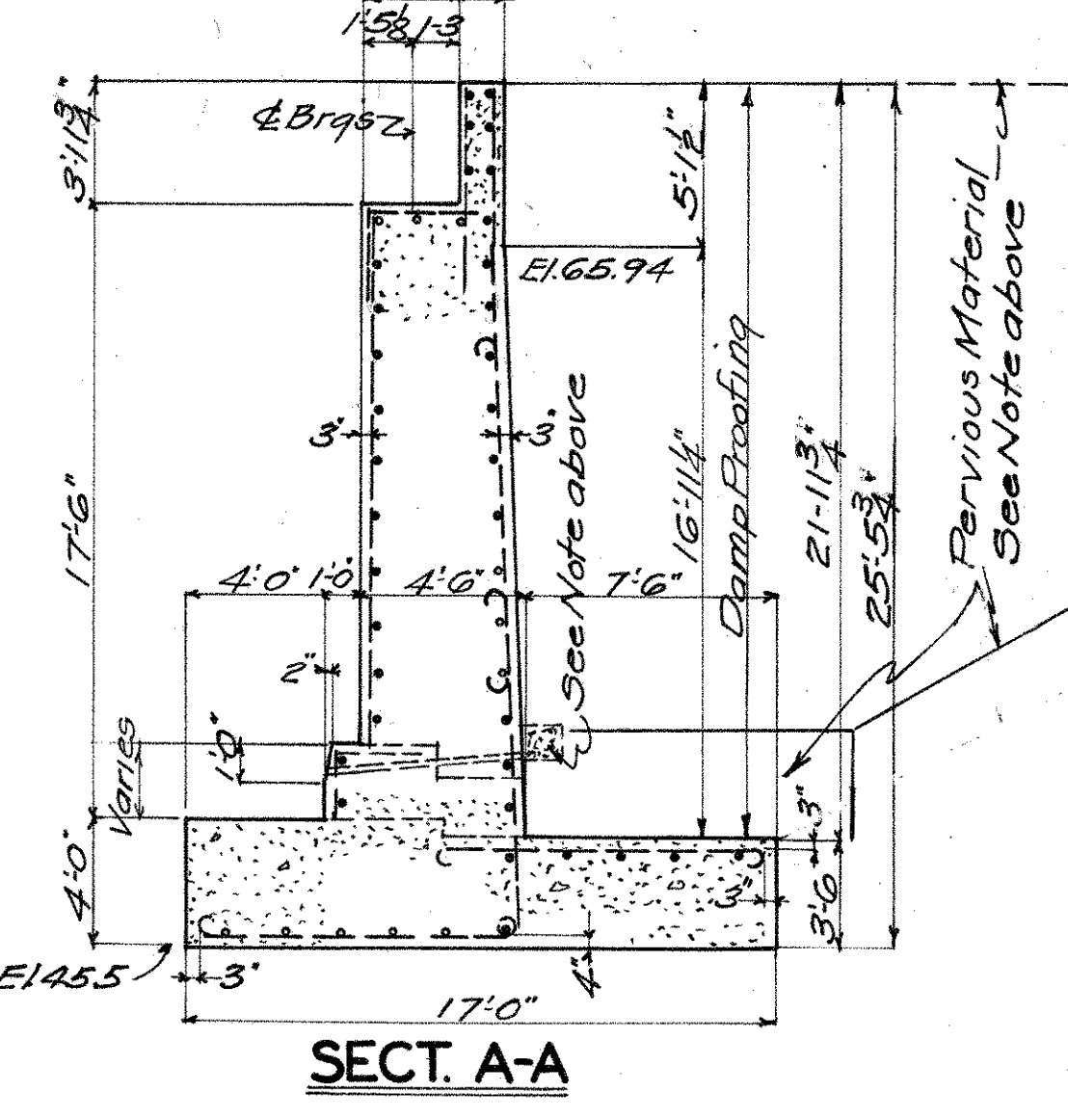
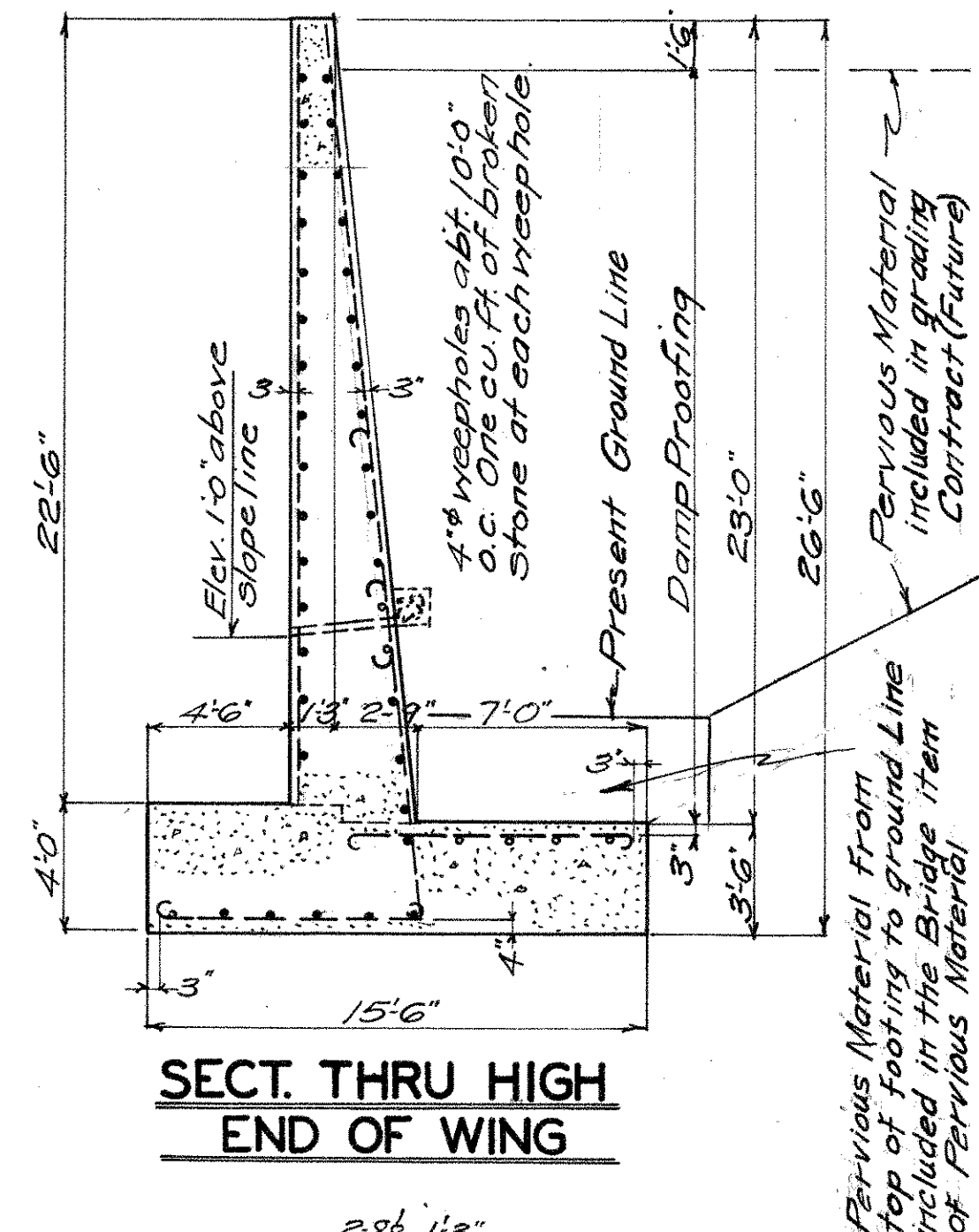
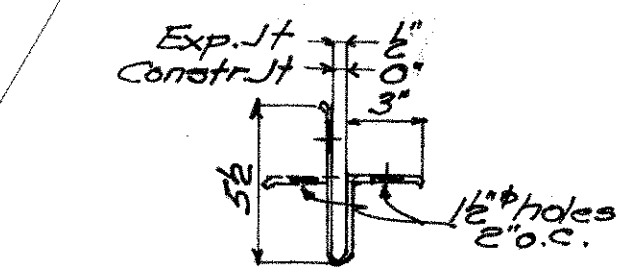
Fed Aid Proj. U46(B)
 CONNECTICUT
 STATE HIGHWAY DEPARTMENT
 TOWN OF GLASTONBURY
 EAST HTFD-GLASTONBURY EXP
 BEAM BRIDGE OVER
 NEW LONDON TURNPIKE
 CONN. TO ROUTE 2 LINE "S"
 GENERAL PLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY H.E.J.
 SCALES 1"=10'-0"
 MADE BY T.B.R. & J.A.F. DATE 5/17/50 PROJECT NO. 53-63-03B
 CHECKED BY H.E.J. DATE 5/18/50 BRIDGE SHEET NO.
 APPROVED J.D. Quary DATE 5-22-50 1 of 5



Note:
No reinforcing steel to pass thru constr. or Expan. Joints.

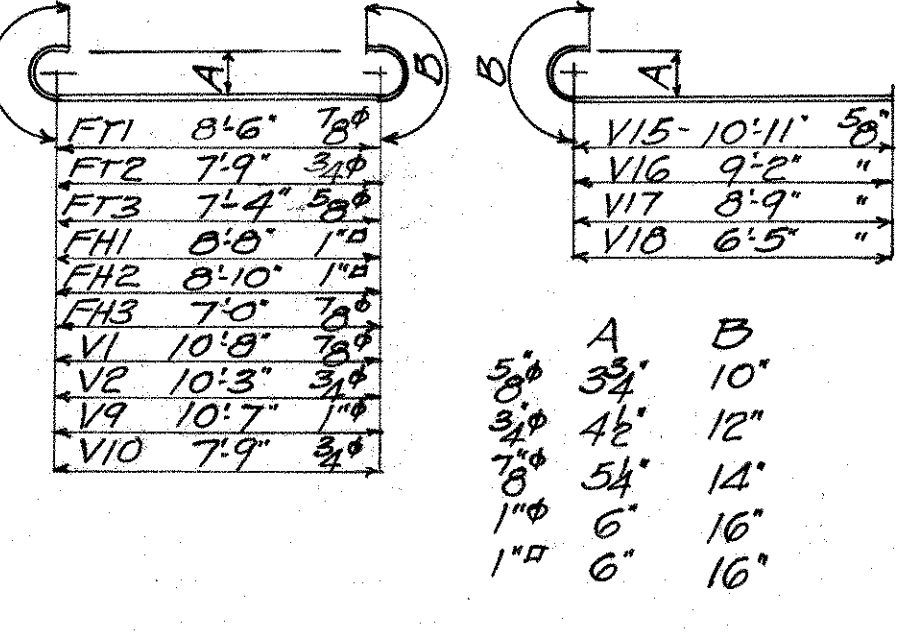


BAR BILL

Mark	No	Size	Length	Weight	Remarks	Mark	No	Size	Length	Weight	Remarks	Mark	No	Size	Length	Weight	Remarks
FT1	94	3/8"	10'-10"	2081	Detail	V10	71	3/8"	9'-9"	1040	Detail	V25	3	6"	46	378	Str.
FT2	68	3/8"	9'-9"	996	"	V11	10	5/8"	12'-0"	125	Str.	V26	3	6"	46	378	Str.
FT3	56	3/8"	9'-0"	526	"	V12	3	1/2"	10'-6"	21	"	V27	5	"	19-0"	63	"
FH1	130	1/2"	11'-4"	5007	"	V13	23	3/8"	9'-6"	228	"	V28	5	"	13'-0"	43	"
FH2	46	1/2"	11'-6"	1799	"	V14	3	"	6'-9"	21	"	V29	5	"	16'-6"	55	"
FH3	56	3/8"	9'-4"	1068	"	V15	12	"	11'-9"	147	Detail	V30	2	"	17'-3"	23	"
V1	193	3/8"	13'-0"	5728	"	V16	3	"	10'-0"	31	"	L1	50	1/2"	28'-1"	938	Str.
V2	162	3/8"	12'-3"	2981	"	V17	3	"	9'-7"	30	"	L2	34	"	22'-8"	556	"
V3	42	3/8"	7'-0"	394	Str.	V18	2	"	7'-3"	15	"	L3	12	"	12'-10"	103	Detail
V4	75	"	6'-0"	469	"	V19	12	"	10'-6"	131	Str.	L4	16	"	6'-0"	64	Str.
V5	61	"	5'-6"	350	Detail	V20	2	"	19'-0"	25	"	L5	3	"	18'-0"	84	"
V6	25	"	7'-0"	196	Str.	V21	7	"	20'-0"	94	"	L6	16	"	6'-8"	13	Detail
V7	23	6"	14'-10"	228	"	V22	7	"	15'-0"	80	"	L7	2	"	19'-10"	212	Str.
V8	19	"	13'-6"	171	"	V23	8	"	15'-0"	80	"	L8	20	"	29'-3"	391	"
V9	31	1"	13'-3"	2866	Detail	V24	3	"	23'-0"	46	"	L9	33	"	27'-0"	595	"

Prefix with an "N" thusly NV1-NV2 etc.

Total Weight 30744



REVISIONS

NO.	DATE	DESCRIPTION

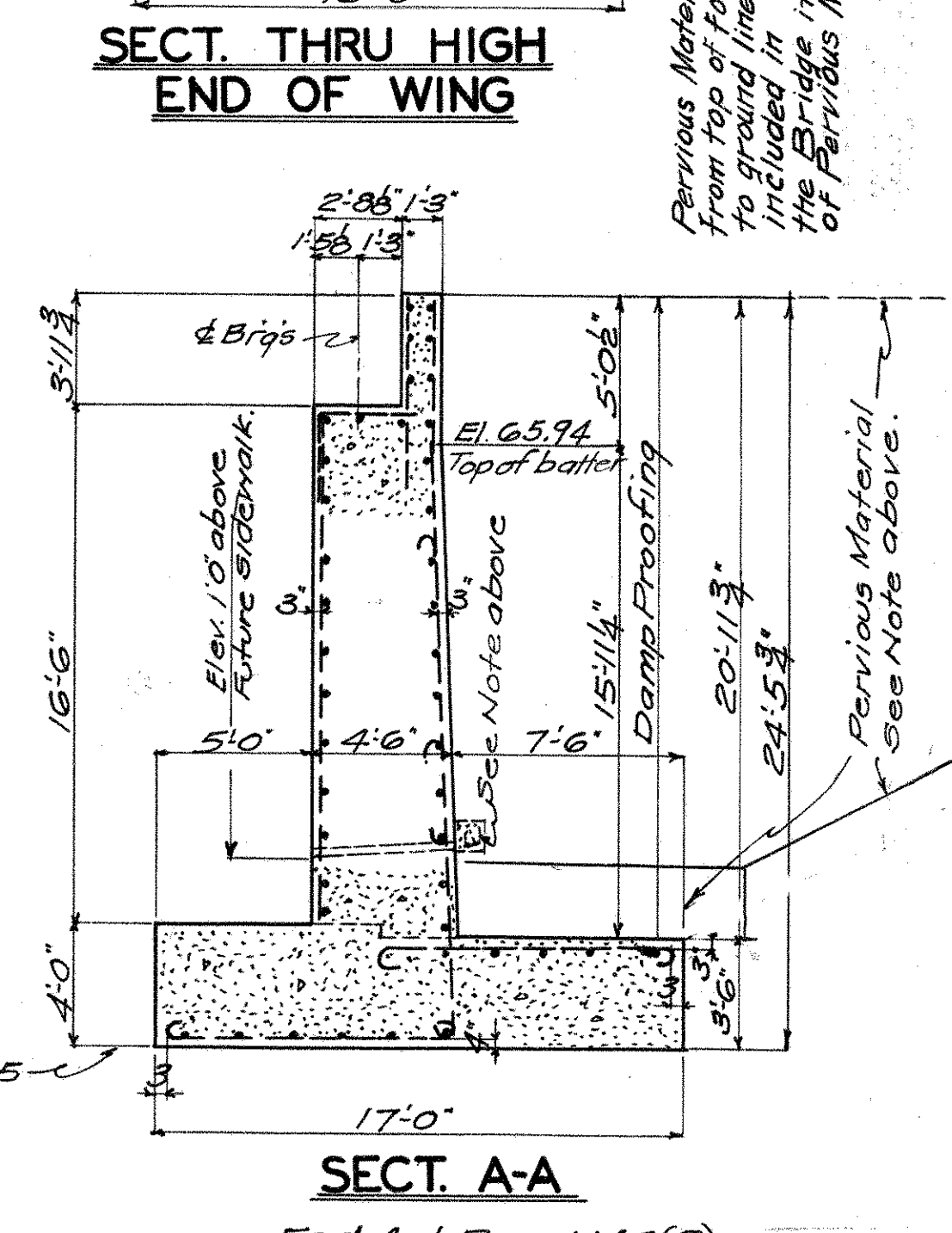
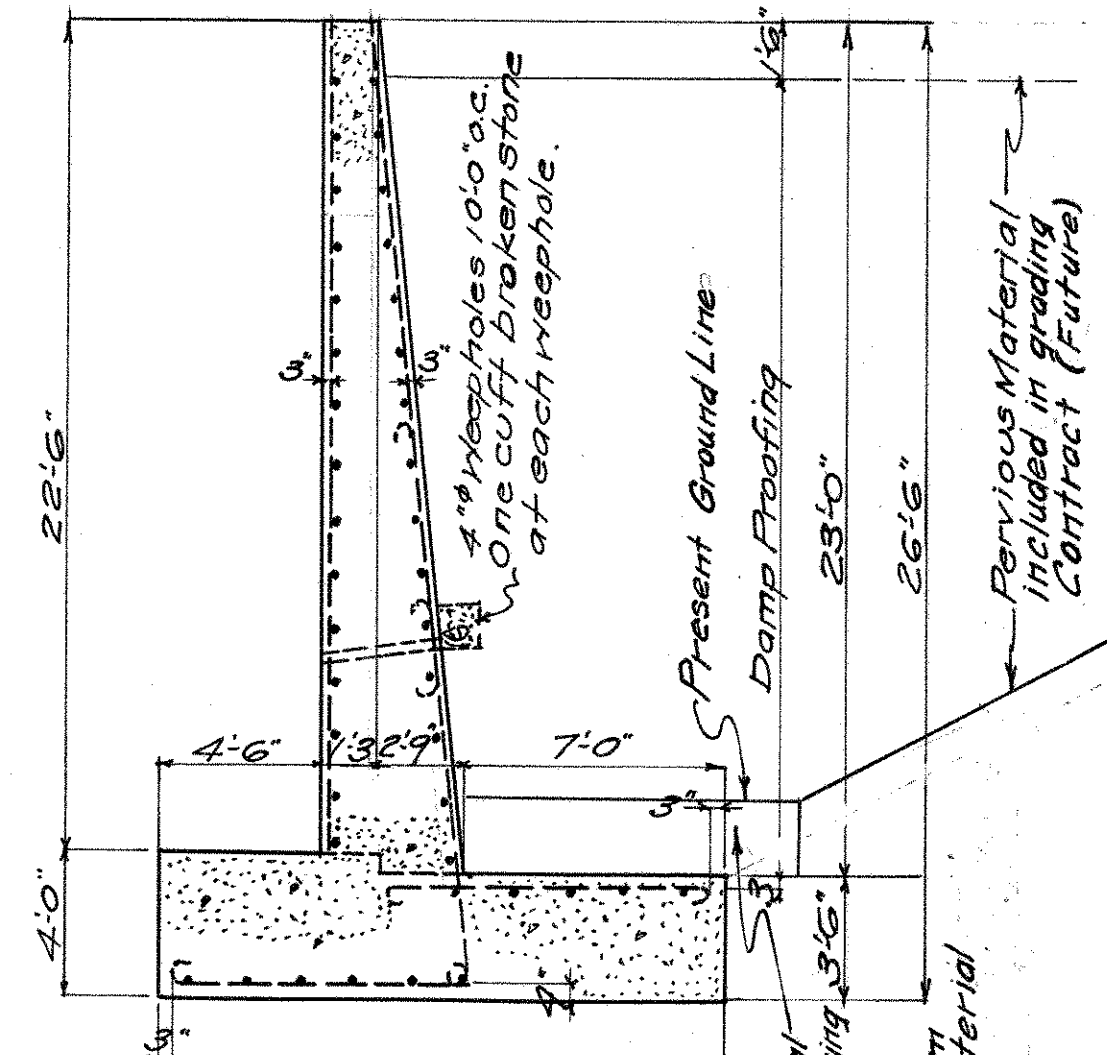
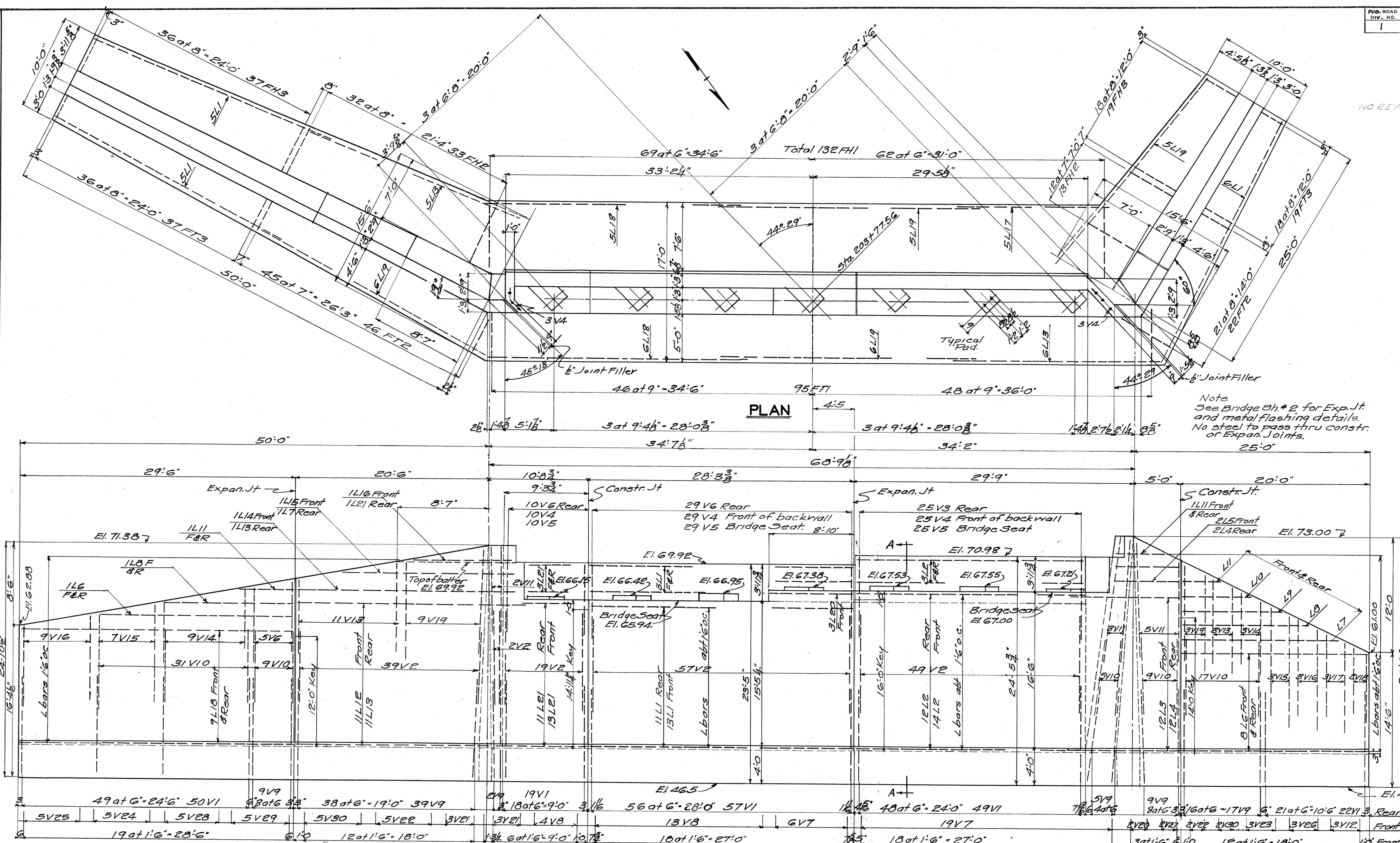
CONNECTICUT STATE HIGHWAY DEPARTMENT
TOWN OF GLASTONBURY
EAST HTFD-GLASTONBURY EXP. BEAM BRIDGE OVER NEW LONDON TURNPIKE CONN. TO ROUTE 2 LINE "S" NORTH ABUT & WINGS

DESIGNED BY H.E.J.
MADE BY H.E.J.
CHECKED BY J.A.F.
APPROVED J.D. Quiry

PROJECT NO. 53-63-03B
DATE 4/28/50
DATE 5/1/50
DATE 5/27/50

BRIDGE SHEET NO. 2 OF 5

NO REVISIONS SUBMITTED FOR THIS SHEET



FRONT ELEVATION
Rear Steel shown

S.E. WING Developed

S.W. WING Developed

FOUNDATION PRESSURES
Max. 2Tons.
AV. 1.5Tons.

Mark	No	Size	Length	Weight	Remarks	Mark	No	Size	Length	Weight	Remarks	Mark	No	Size	Length	Weight	Remarks
FT1	25	3/8"	10.10'	2103	Detail	V17	10	5/8"	12.0'	125	Str.	V27	2	3/8"	24.3'	178	Detail
FT2	68	3/4"	9.9'	976	"	V12	3	5/8"	10.6'	21	"	V28	5	1/2"	14.0'	47	"
FT3	56	3/4"	8.0'	506	"	V13	14	3/8"	8.0'	116	"	V29	5	1/2"	16.0'	53	"
FH1	132	1/2"	11.4'	5035	"	V14	12	"	6.9'	84	"	V30	7	"	17.3'	81	"
FH2	46	1/2"	11.6'	1799	"	V15	10	"	11.9'	123	Detail	L1	46	3/8"	20.1'	863	Str.
FH3	56	3/8"	9.4'	1063	"	V16	12	"	10.0'	125	"	L2	32	3/8"	24.6'	524	"
V1	197	3/8"	13.0'	5235	"	V17	3	"	9.7'	30	"	L3	12	"	12.10'	103	Detail
V2	166	3/8"	12.3'	3054	"	V18	2	"	7.3'	15	"	L4	14	"	6.0'	56	Str.
V3	25	3/8"	9.0'	235	Str.	V19	12	"	10.6'	131	Str.	L5	2	"	6.8'	9	Detail
V4	70	3/8"	9.0'	438	"	V20	2	"	21.0'	28	"	L6	18	"	19.10'	236	Str.
V5	64	"	5.6'	367	Detail	V21	6	"	20.0'	80	"	L7	3	"	16.6'	33	"
V6	44	"	7.6'	344	Str.	V22	7	"	18.0'	84	"	L8	4	"	13.9'	37	"
V7	25	1/2"	16.3'	271	"	V23	3	"	15.0'	30	"	L9	2	"	10.6'	14	"
V8	17	"	15.3'	173	"	V24	5	"	13.3'	44	"	L10	2	"	7.6'	10	"
V9	81	1/2"	13.3'	2066	Detail	V25	5	"	12.3'	41	"	L11	6	"	4.6'	18	"
V10	71	3/8"	9.9'	1040	"	V26	3	"	18.0'	26	"	L12	31	"	9.2'	190	"

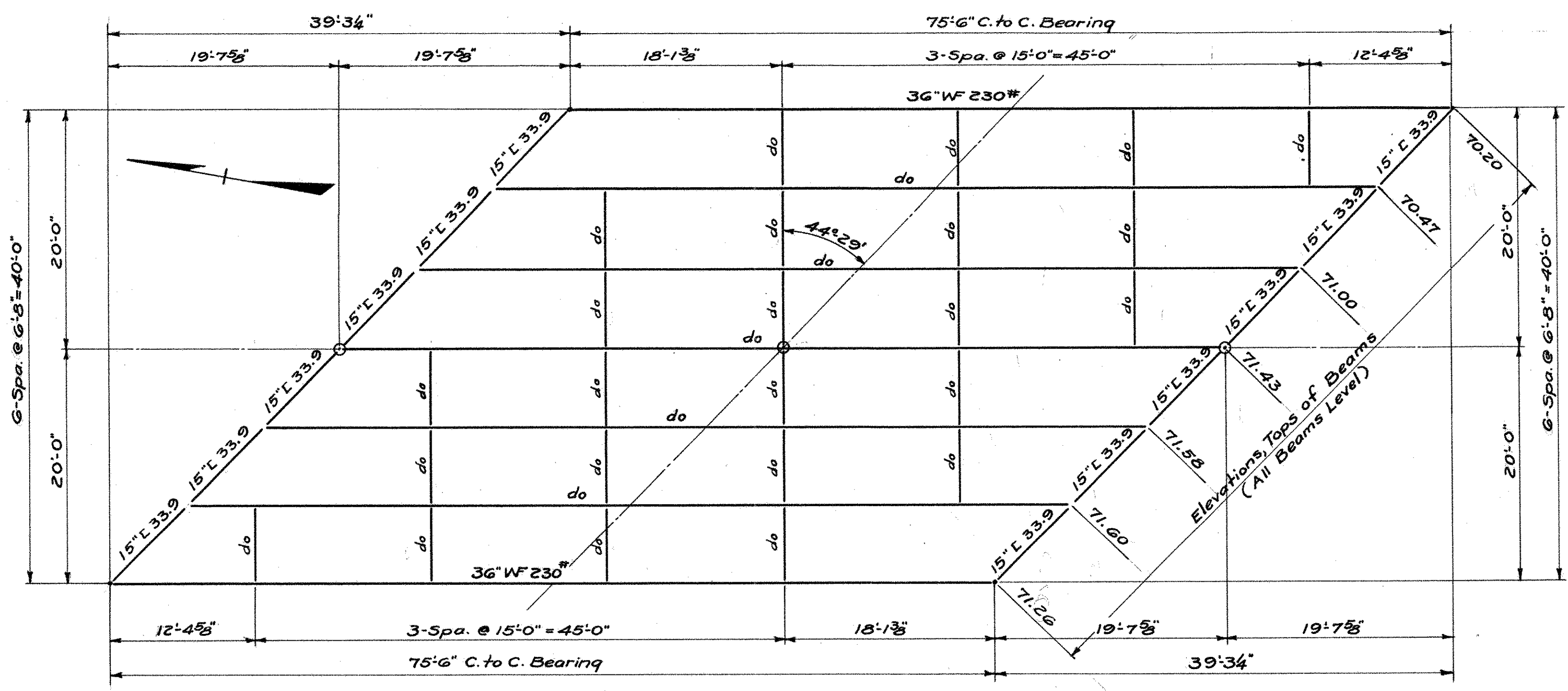
Prefix with an "S" thusly SV1-SV2 etc.

Total Weight 30569

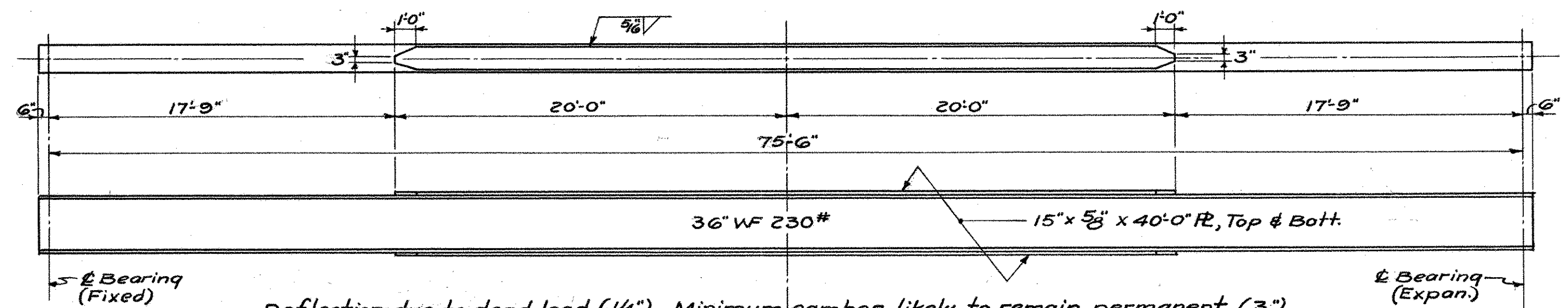
CONNECTICUT
 STATE HIGHWAY DEPARTMENT
 TOWN OF GLASTONBURY
 EAST HTFD-GLASTONBURY EXP
 BEAM BRIDGE OVER
 NEW LONDON TURNPIKE
 CONN. TO ROUTE 2 LINE "S"
 SOUTH ABUT. & WINGS

DESIGNED BY H.E.J.
 SCALES 3/8"=1'-0"
 MADE BY H.E.J. DATE 5/5/50
 CHECKED BY J.A.F. DATE 5/22/50
 APPROVED J.D. Drury DATE 5/22/50

PROJECT NO. 53-63-03B
 BRIDGE SHEET NO. 3 OF 5

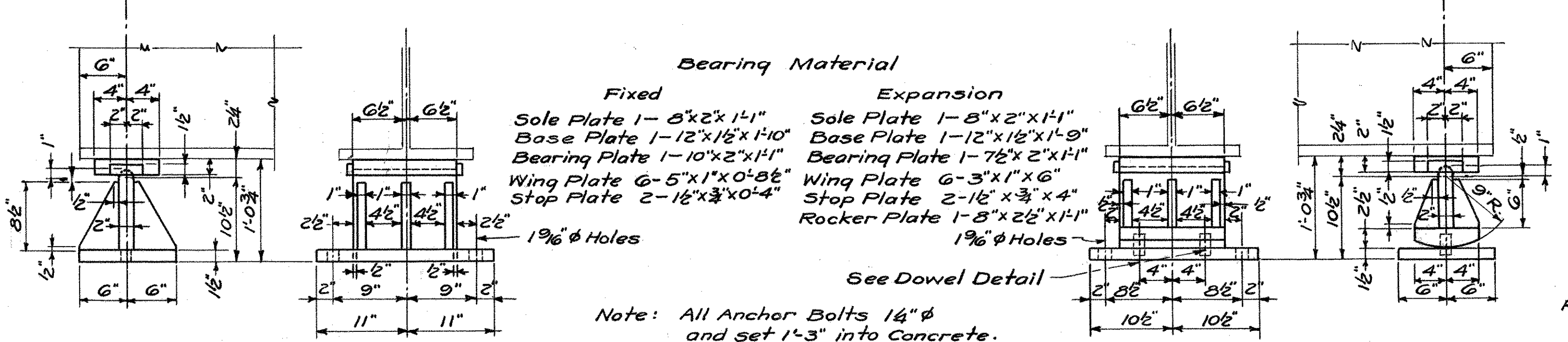


STEEL PLAN
 Scale 1/8"=1'-0"



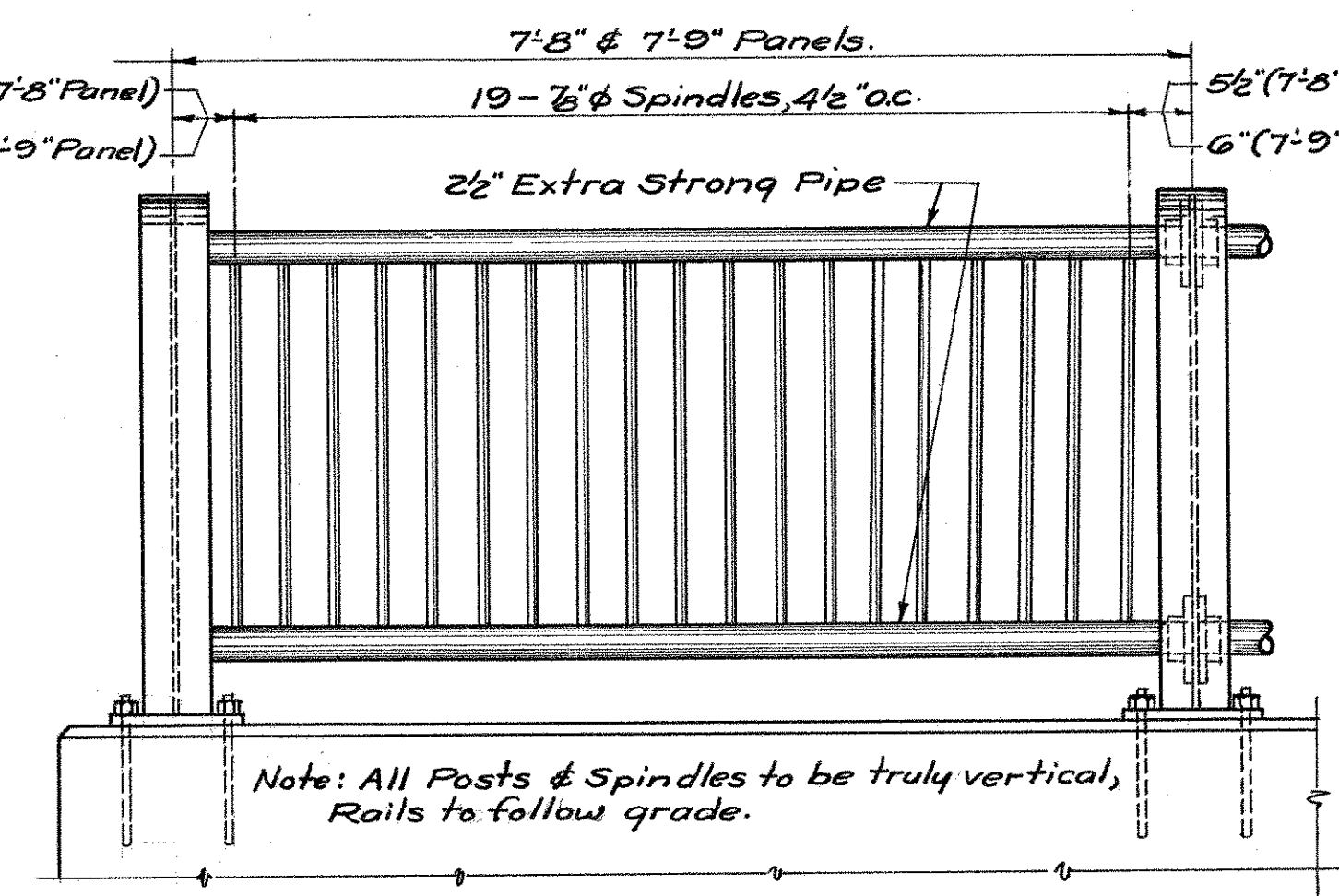
Deflection due to dead load (1/4"). Minimum camber likely to remain permanent (3") AISC Page 63, 1947. Additional camber necessary to offset reduction in camber by welding of cover plates to be provided by Fabricator.

BEAM DETAILS
 Scale 3/16"=1'-0"

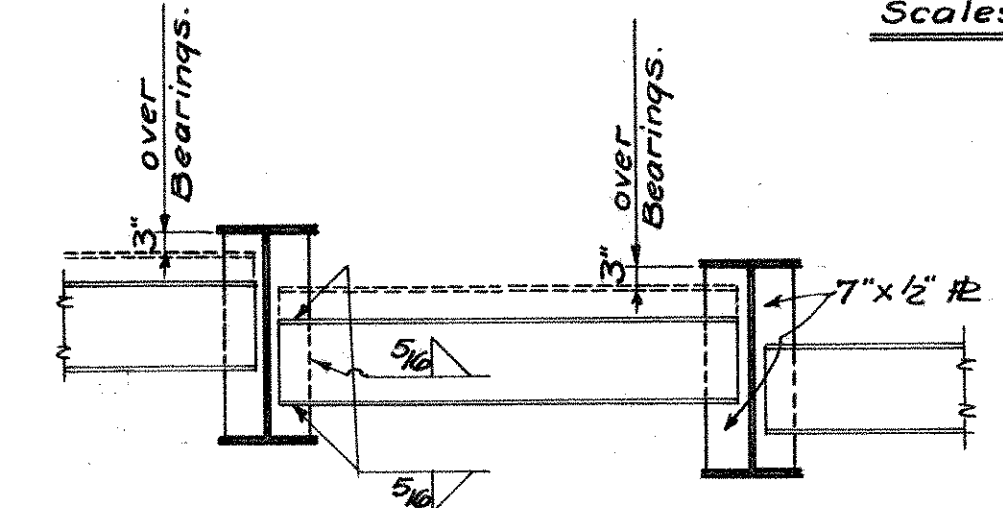


Note: All Anchor Bolts 1/4" φ and set 1'-3" into concrete. All bearing shoe welds to be 1/2" cont. fillet welds.

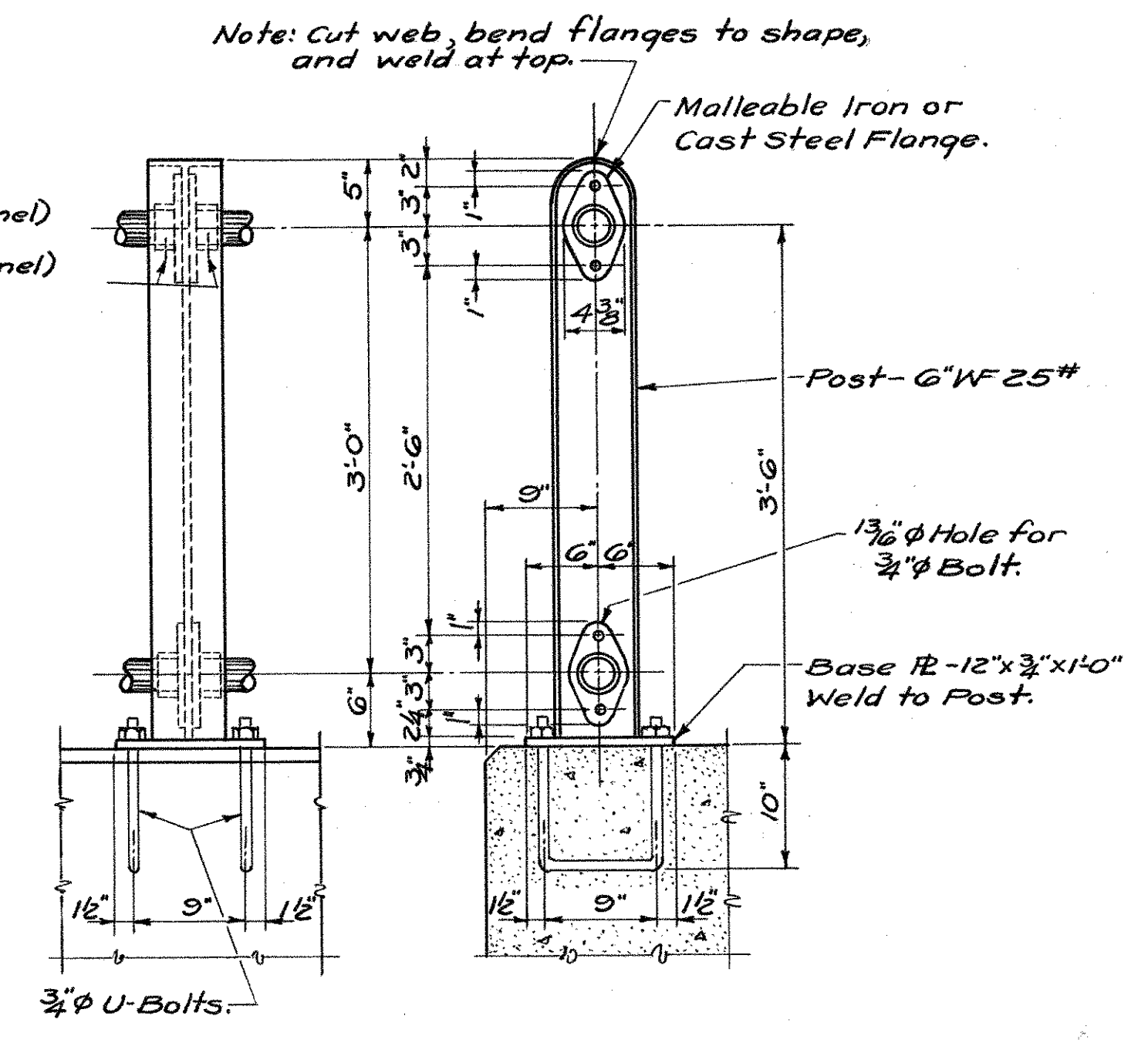
BEARING DETAILS
 Scales, 1/2"=1'-0" & 3/8"=1'-0"



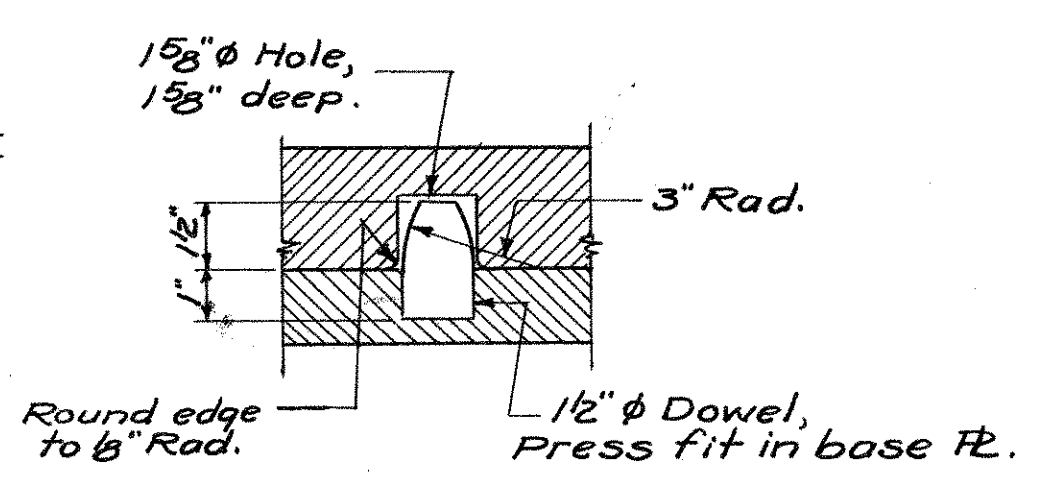
RAILING DETAILS
 Scales, 3/8"=1'-0" & 1/4"=1'-0"



TYPICAL DIAPHRAGM DETAIL
 Scale 3/8"=1'-0"



SLAB SUPPORT AT BEARING
 Not to Scale



DOWEL DETAIL

REVISIONS		
NO.	DATE	DESCRIPTION

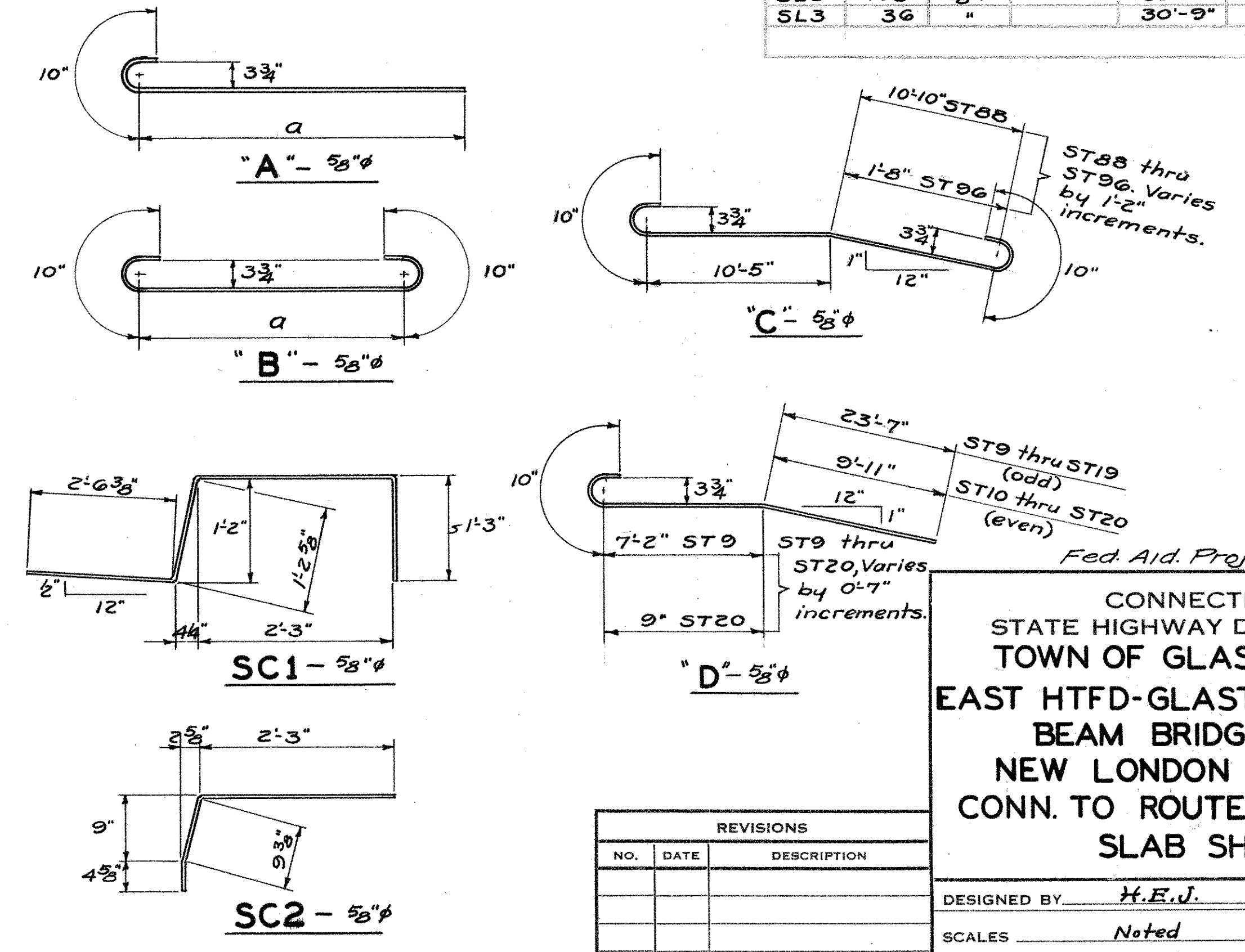
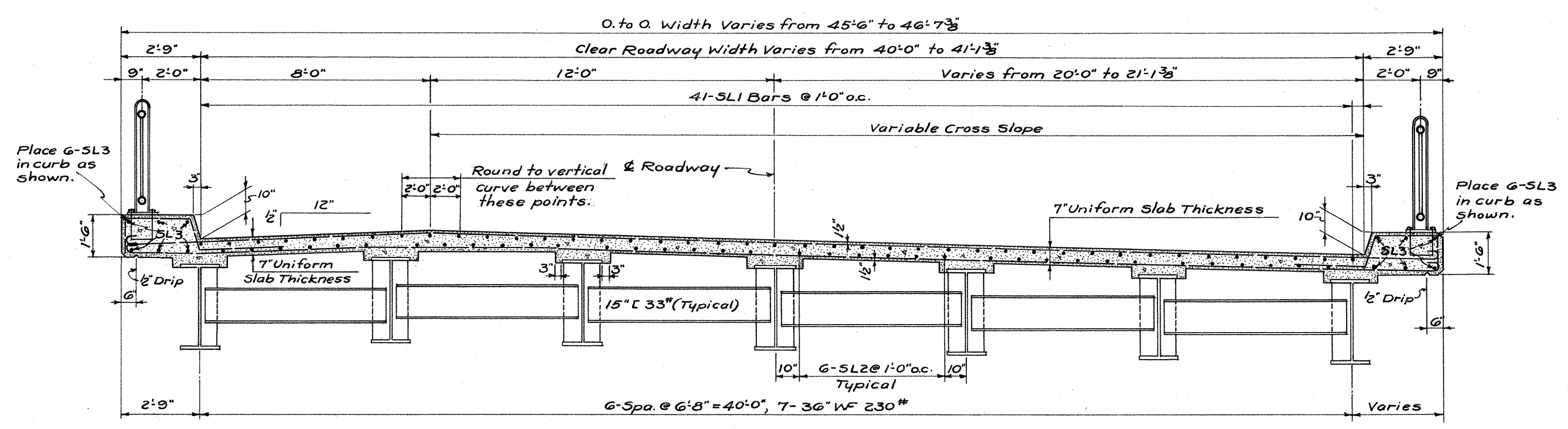
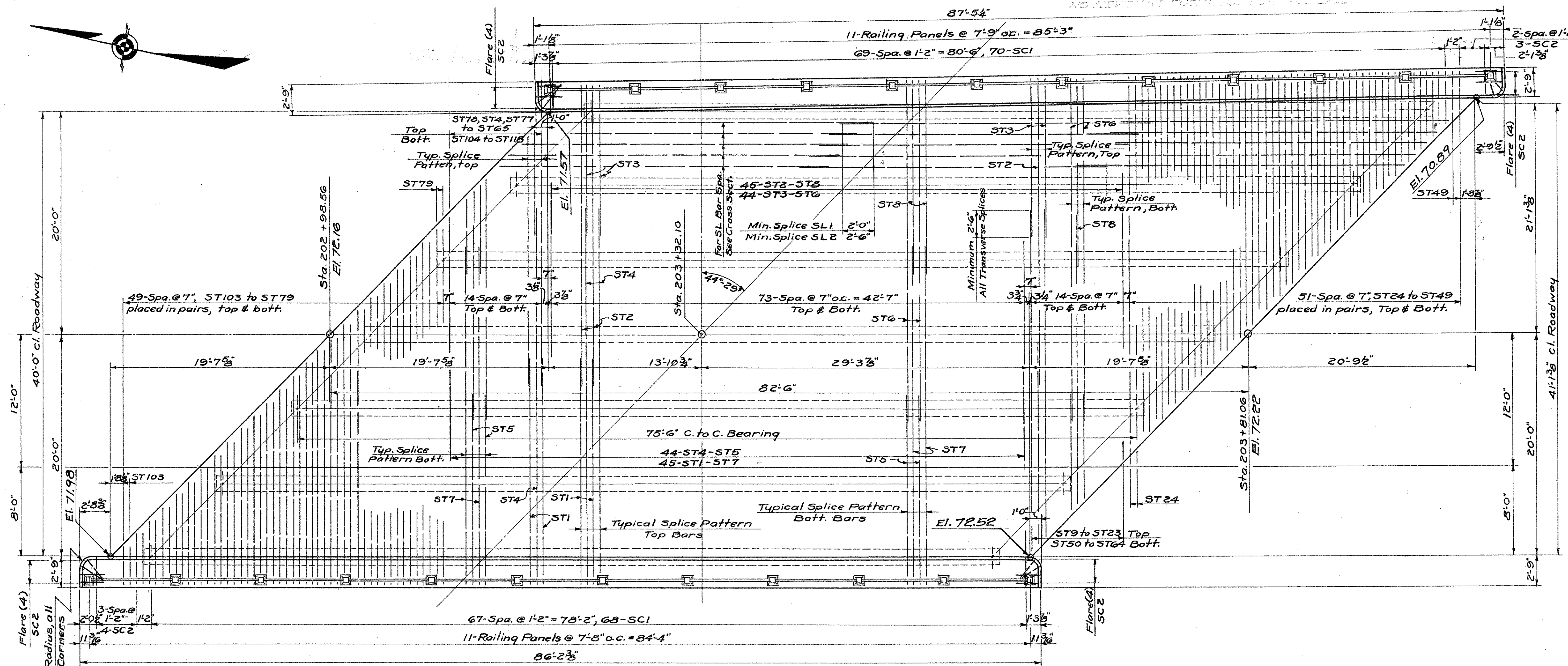
00870
 FedAid Proj U46(B)
 CONNECTICUT STATE HIGHWAY DEPARTMENT
 TOWN OF GLASTONBURY
 EAST HTFD-GLASTONBURY EXP
 BEAM BRIDGE OVER
 NEW LONDON TURNPIKE
 CONN. TO ROUTE 2 LINE 'S'
STEEL DETAILS

DESIGNED BY H.E.J.
 SCALES Noted
 MADE BY W.R.P. DATE 5/3/50 PROJECT NO. 53-63-08B
 CHECKED BY H.E.J. DATE 5/11/50 BRIDGE SHEET NO. 4 OF 5
 APPROVED J.D. Dwyer DATE 5/12/50

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Glastonbury	U46(8)53-63	1960	2	11	21	

BAR LIST

Mark	No.	Size	"a"	Length	Remarks	Weight
ST1	45	5/8"φ	20'-6"	21'-4"	Detail "A"	1001
ST2	45	"	27'-8"	28'-6"	"	1338
ST3	44	"	14'-6"	15'-4"	"	703
ST4	44	"	34'-0"	34'-10"	"	1598
ST5	44	"	17'-4"	18'-2"	"	834
ST6	44	"	31'-2"	32'-0"	"	1469
ST7	45	"	30'-8"	31'-6"	"	1478
ST8	45	"	17'-9"	18'-7"	"	872
ST9 thru ST23 (odd)	1-each	"	ST21=23'-9" ST23=22'-7"	Varies by (-1'-2") 31'-7" to 23'-5"	Detail "A" ST21 & ST23 Detail "D" ST9 thru ST19 (odd)	230
ST10 thru ST22 (even)	1-each	"	ST22=24'-6"	Varies by (-1'-2") 17'-4" to 10'-4"	Detail "A" ST22 Detail "D" ST10 thru ST20 (even)	101
ST24 thru ST49	4-each	"	Varies by (-1'-2") 32'-5" to 3'-3"	Varies by (-1'-2") 34'-1" to 4'-11"	Detail "B"	2115
ST50 thru ST64 (even)	1-each	"	Varies by (-1'-2") 14'-3" to 6'-1"	Varies by (-1'-2") 15'-1" to 6'-11"	Detail "A"	92
ST51 thru ST63 (odd)	1-each	"	Varies by (-1'-2") 26'-9" to 19'-9"	Varies by (-1'-2") 27'-7" to 20'-7"	"	176
ST66 thru ST76 (even)	1-each	"	Varies by (-1'-2") 10'-2" to 4'-4"	Varies by (-1'-2") 11'-0" to 5'-2"	"	50
ST75 thru ST77	1-each	"	Varies by (-1'-2") 24'-2" to 18'-4"	Varies by (-1'-2") 25'-0" to 19'-2"	"	139
ST78	1	"	17'-0"	17'-10"	"	19
ST79	4-each	"	15'-10"	16'-8"	"	17
ST79 thru ST103	4-each	"	ST79 thru ST87 31'-9" to 21'-5" ST89 thru ST103 10'-9" to 3'-9"	Varies by (-1'-2") 33'-5" to 5'-5"	Detail "B" ST79 thru ST87 ST89 thru ST103 Detail "C" ST89 thru ST96	2025
ST104 thru ST118 (even)	1-each	"	Varies by (-1'-2") 14'-3" to 6'-1"	Varies by (-1'-2") 15'-1" to 6'-11"	Detail "A"	92
ST105 thru ST117 (odd)	1-each	"	Varies by (-1'-2") 26'-9" to 19'-9"	Varies by (-1'-2") 27'-7" to 20'-7"	"	176
SC1	138	"	7'-3"		Detailed	1043
SC2	23	"	3'-5"		"	82
SL1	123	1/2"φ		29'-3"	Straight	2403
SL2	108	5/8"φ		29'-6"	"	3323
SL3	36	"		30'-9"	"	1155
Total = 22,531 lb.						

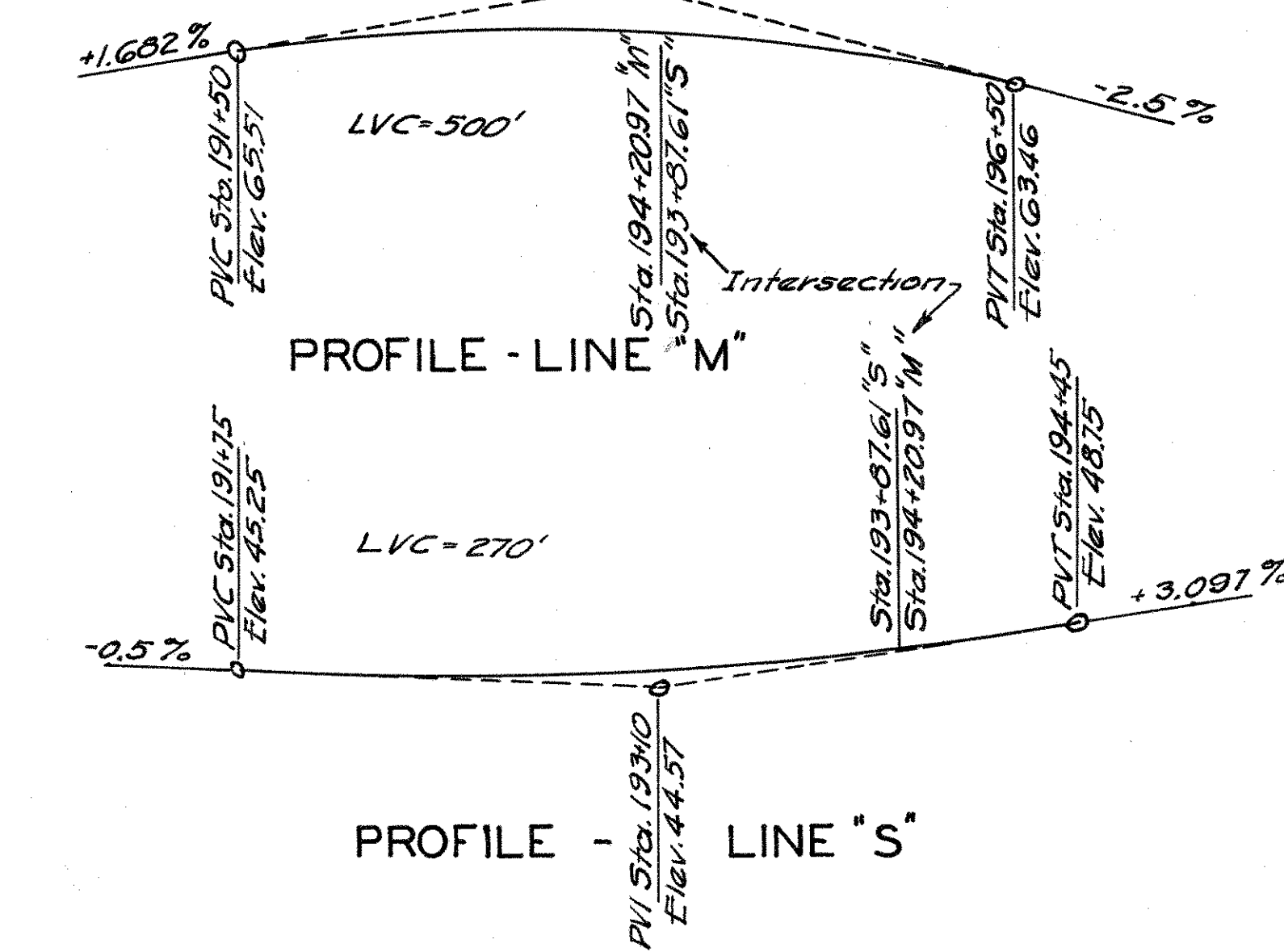
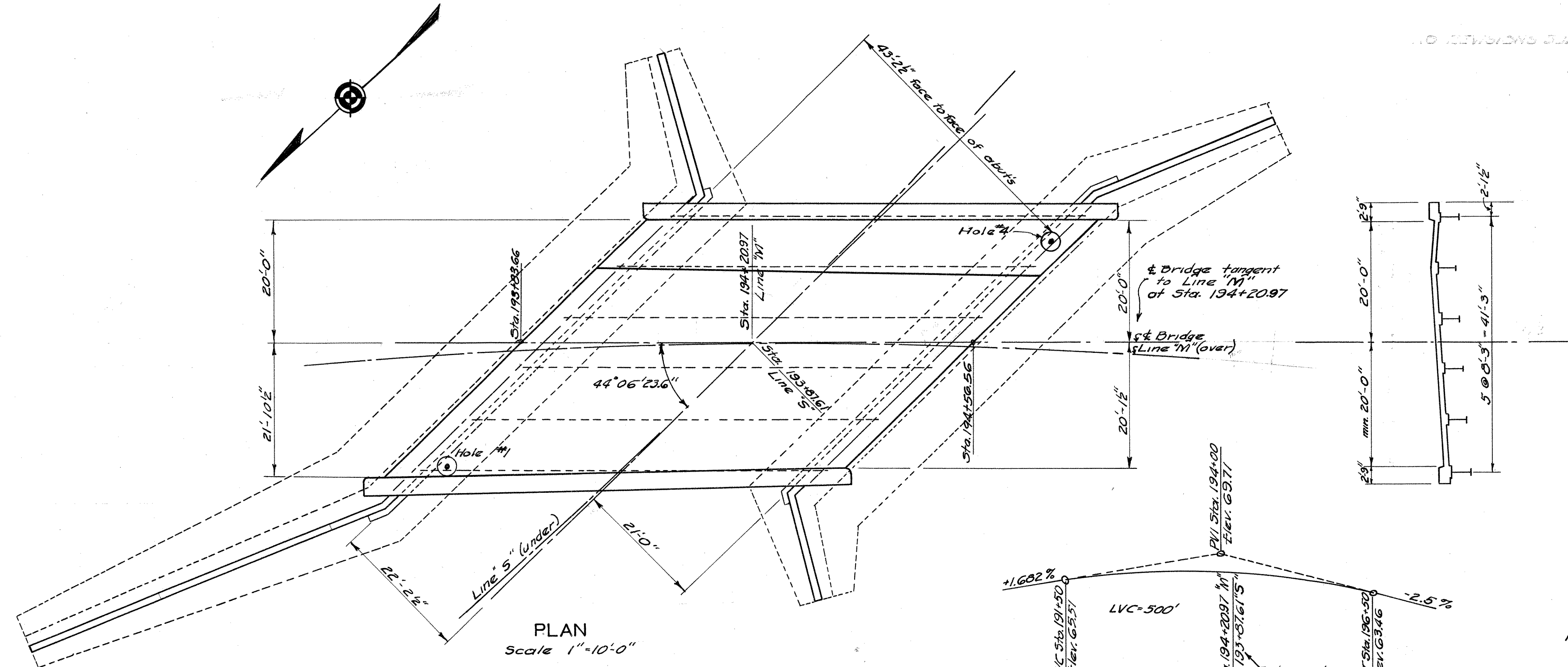


REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY: H.E.J.
 SCALES: Noted
 MADE BY: W.R.P. DATE: 4/26/60
 CHECKED BY: H.E.J. DATE: 5/10/60
 APPROVED: J.D. Dwyer DATE: 5/22/60

PROJECT NO. 53-63-03B
 BRIDGE SHEET NO. 5 of 5

CONNECTICUT STATE HIGHWAY DEPARTMENT
 TOWN OF GLASTONBURY
 EAST HTFD-GLASTONBURY EXP
 BEAM BRIDGE OVER
 NEW LONDON TURNPIKE
 CONN. TO ROUTE 2 LINE S
 SLAB SHEET



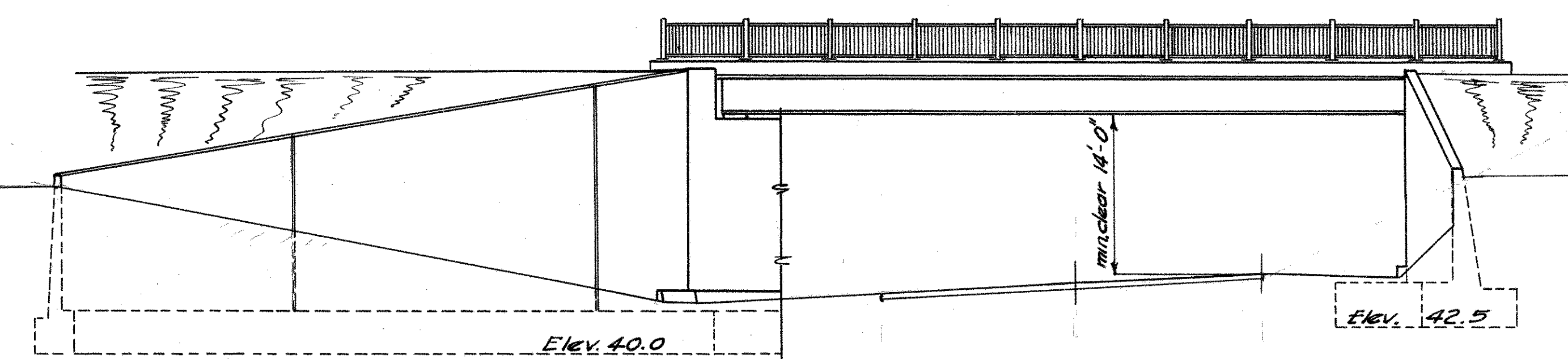
BORINGS

1	4
+50 El. 49.86	El. 48.38
Top soil	Top soil
Fine to Med Sand	Fine Sand & Silt
Silt & Gravel	Gravel Sand
Stones	24 Silt & Clay
Fine Sand & Silt	37 Silt & Clay
+40 Stiff	21 Silt
Fine Sand & Silt	Fine Sand & Silt
24	33
24	11
20	4
10	6
7	4
10	8
14	18
0	0
0	0
-10	-10
-20	-20

Note: The number opposite the strata is the number of blows needed to drive a 3" Sampler Pipe 1.0" with a 345# hammer falling 2'-0"

GENERAL NOTES

Notes:
 General Specifications - Conn. State Highway Dept. Form 807
 Design Specifications - A.A.S.H.O. Div. III 1949 - Live Load H20-36
 Class "A" Concrete to be used thruout.
 Cost of 4" Weepholes, broken stone at each weep hole and 2 layers of Tarpaper to be included in the general cost of the contract.
 The item Bridge Excavation contains a quantity sufficient in amount to provide for a layer of gravel 6" thick under the entire structure, however gravel fill is to be placed under the structure only if directed by the engineer.
 Quantities listed are approximate only and do not relieve the contractor of the responsibility of checking them when preparing his bid.



QUANTITIES

Item	Unit	Substructure	Superstructure	Total
Bridge Excavation	C.Y.	1600	-	1600
Portland Cement	Dbl.	1667	153	1820
Natural Cement	Dbl.	301	28	329
Class "A" Concrete	C.Y.	1180	108	1288
1/2 Prem. Bit. Exp. Jt. Filler for Bridges	S.F.	180	-	180
Deformed Steel Bars	Lbs.	58838	24,569	83427
Structural Steel	Lbs.	-	116,000	116,000
Metal Flashing	Lbs.	275	-	275
Damp Proofing	S.Y.	560	-	560
Metal Bridge Rail	L.F.	-	152	152
Gravel Fill	C.Y.	100	-	100
Pervious Material	C.Y.	320	-	320

	Class "A" Concrete	Portland Cement	Natural Cement
Footing	573	810	146
Stem	607	858	155
Superstructure	108	152	28

Fed. Aid Proj. U46(B)

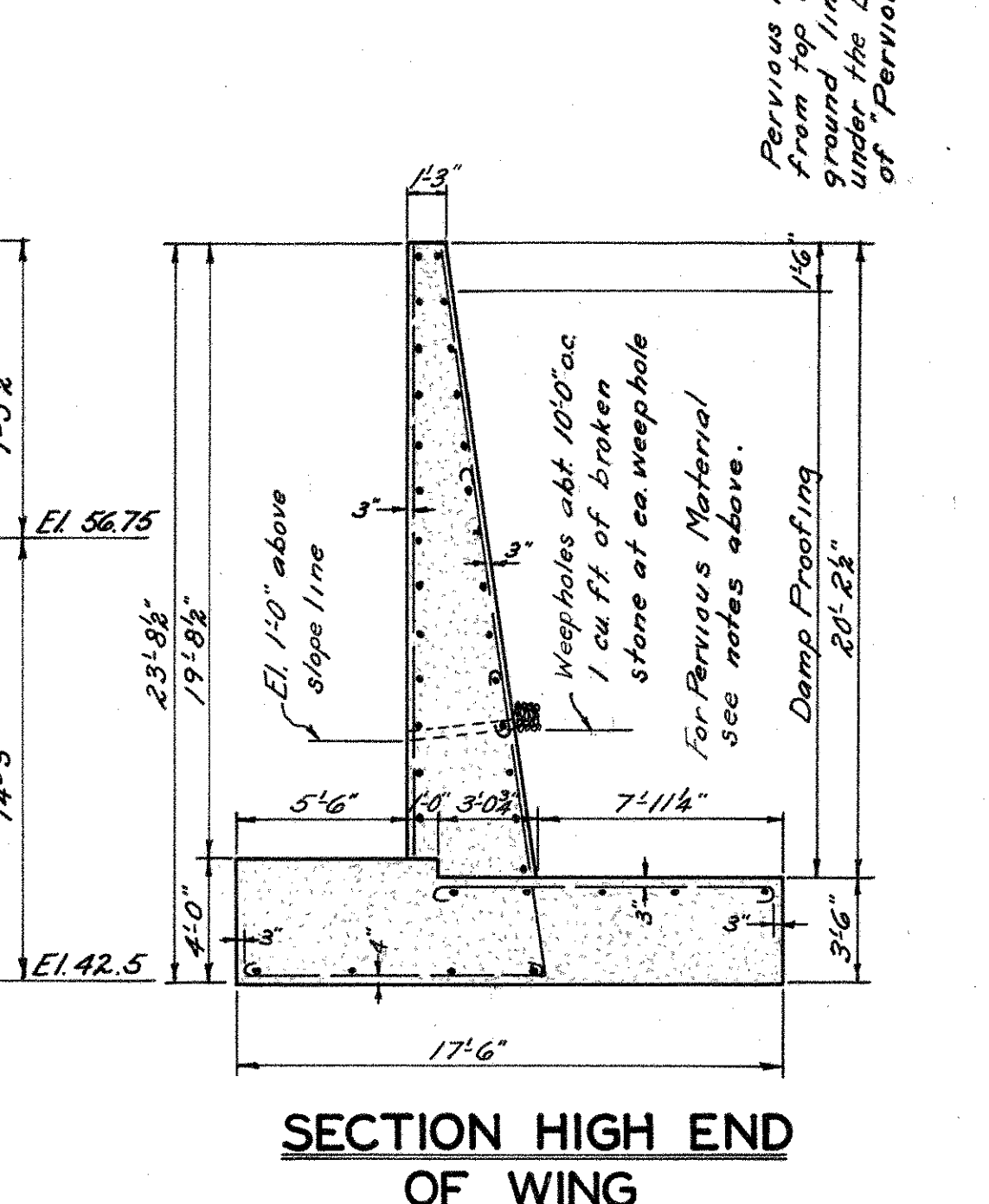
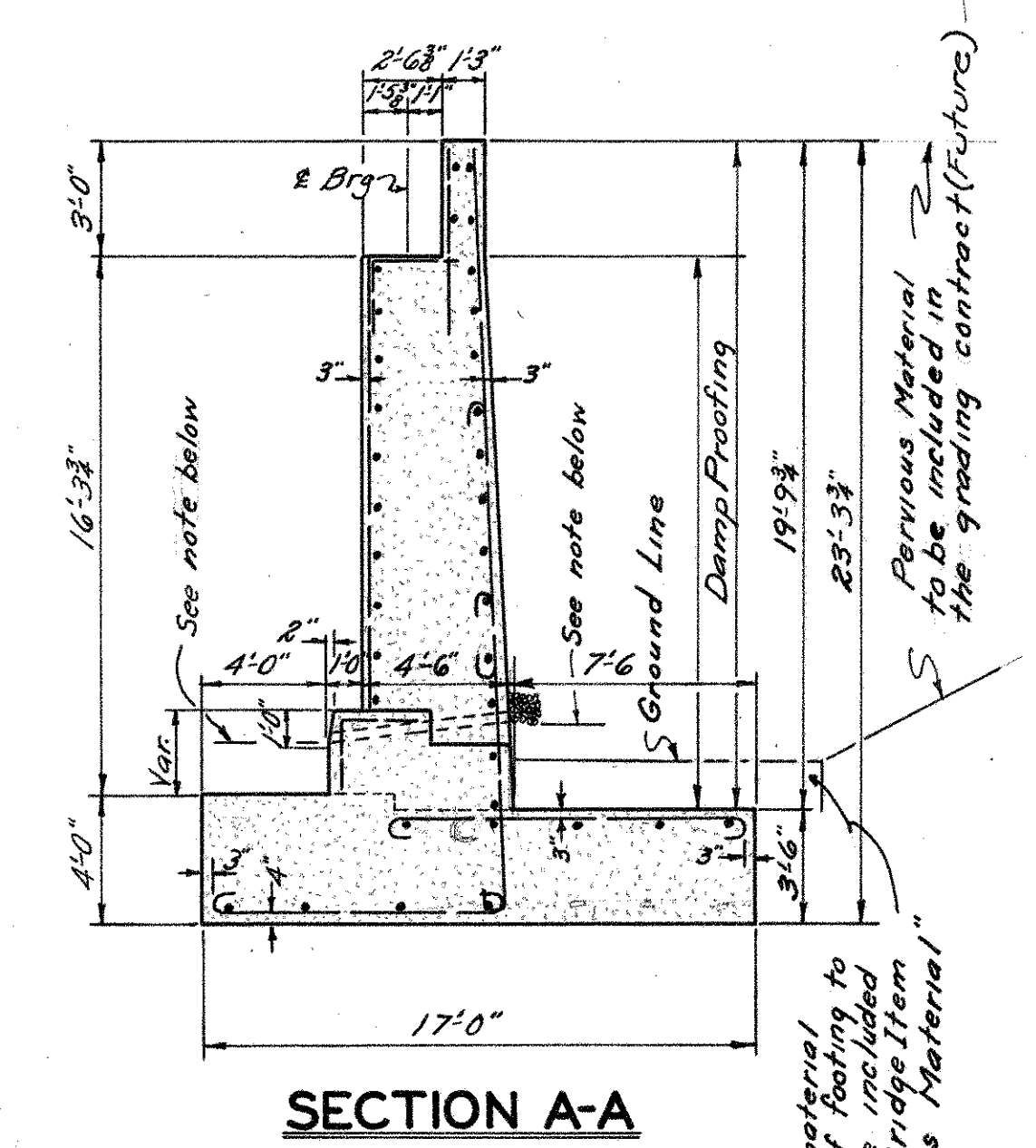
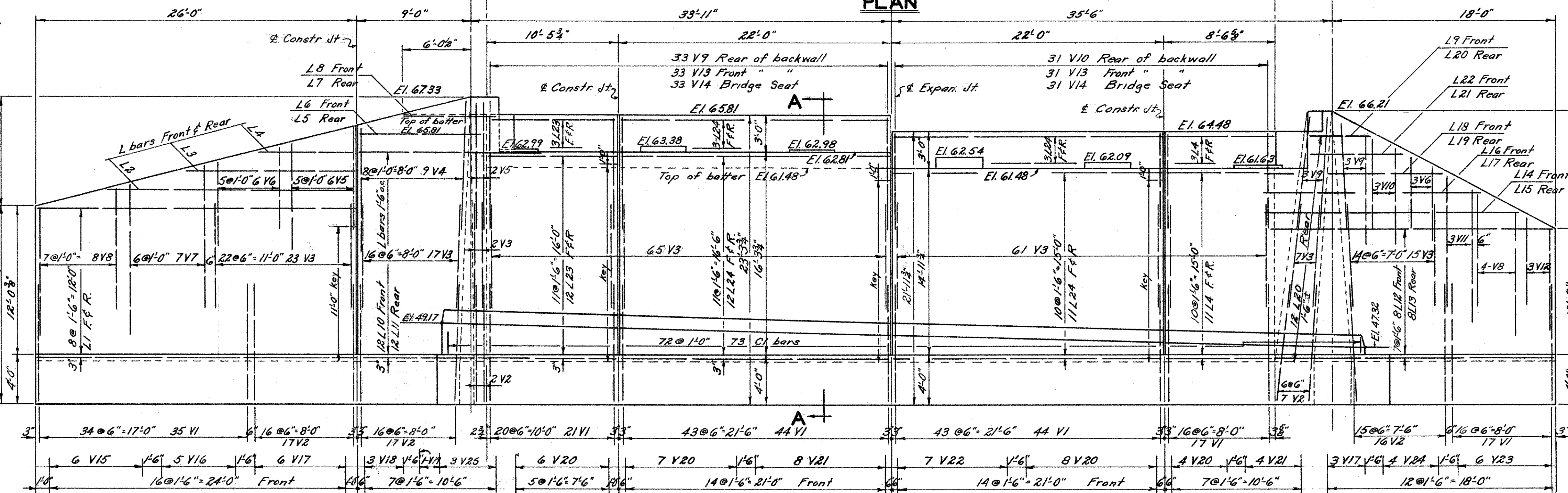
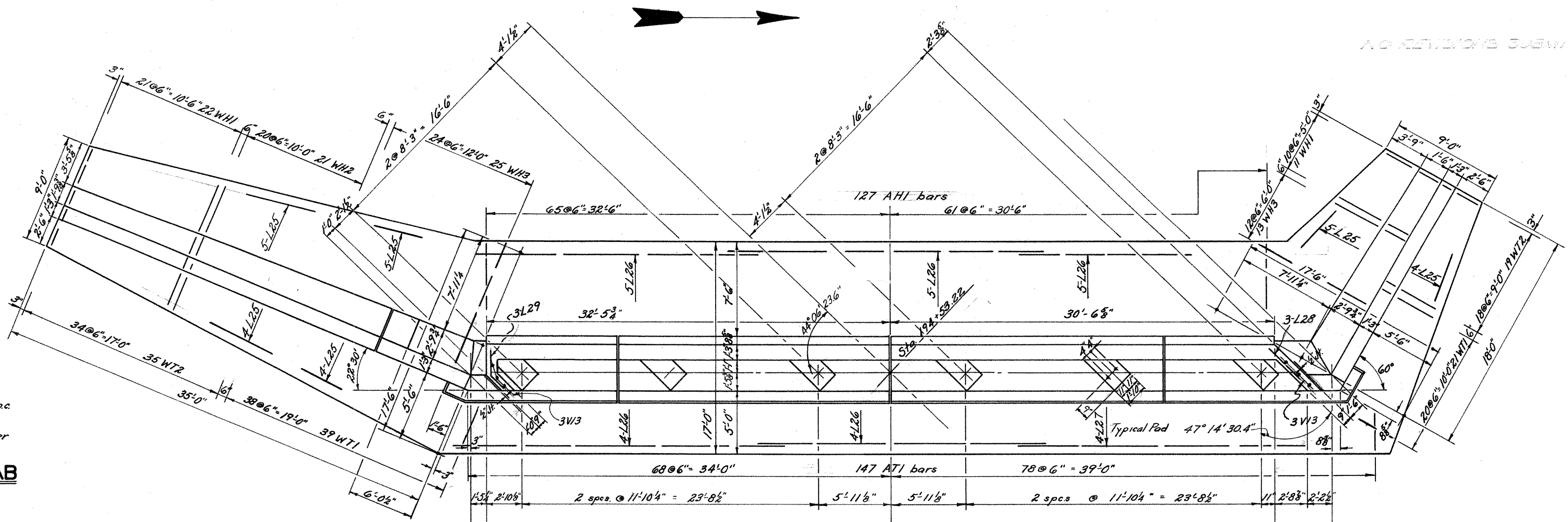
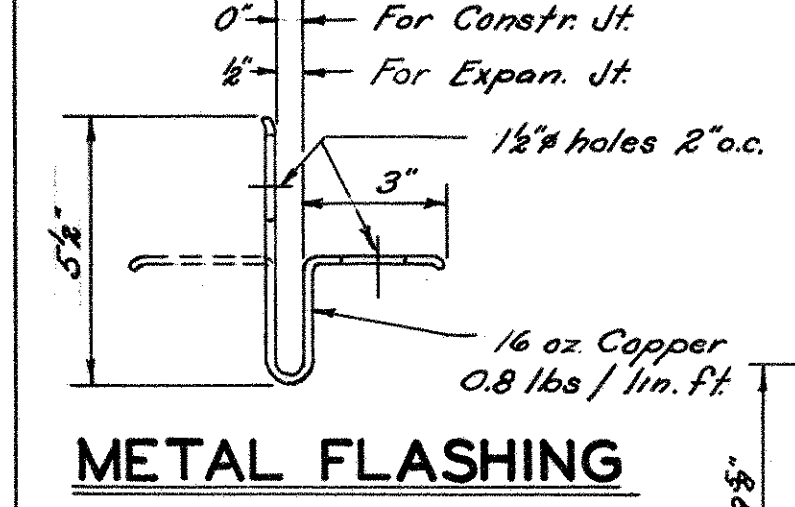
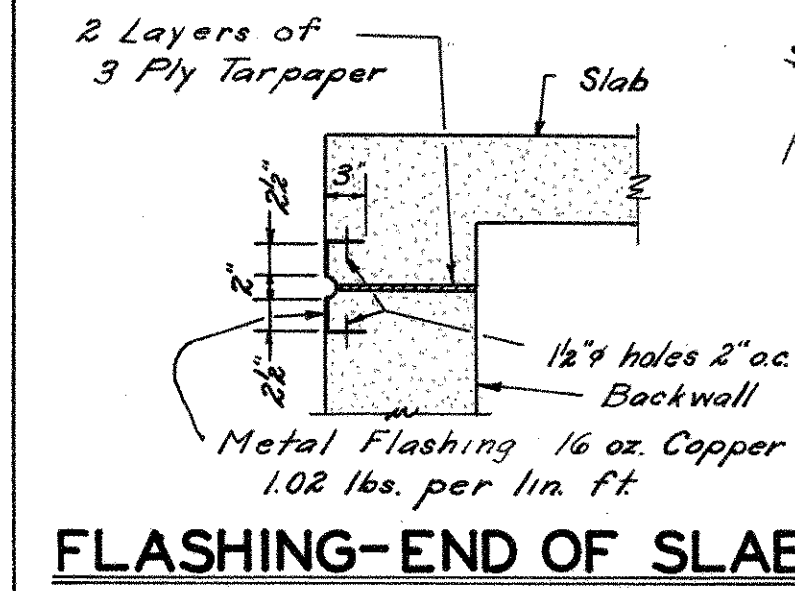
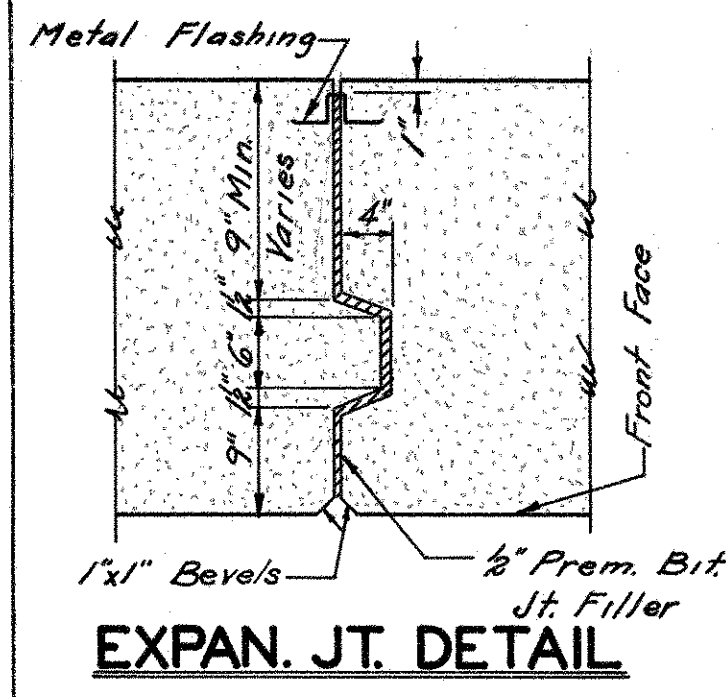
CONNECTICUT
 STATE HIGHWAY DEPARTMENT
 TOWN OF GLASTONBURY
 EAST HFD-GLASTONBURY EXP.
 BEAM BRIDGE OVER
 LINE "S" ON LINE "M"
 GENERAL PLAN

DESIGNED BY: H.E.J. & G.A.H.
 SCALES: 1" = 10'-0"
 MADE BY: G.A.H. DATE: 5-17-50
 CHECKED BY: H.E.J. DATE: 5-24-50
 APPROVED: J.D. Rung DATE: 5-26-50

PROJECT NO. 53-63-02C
 BRIDGE SHEET NO. 1 OF 5

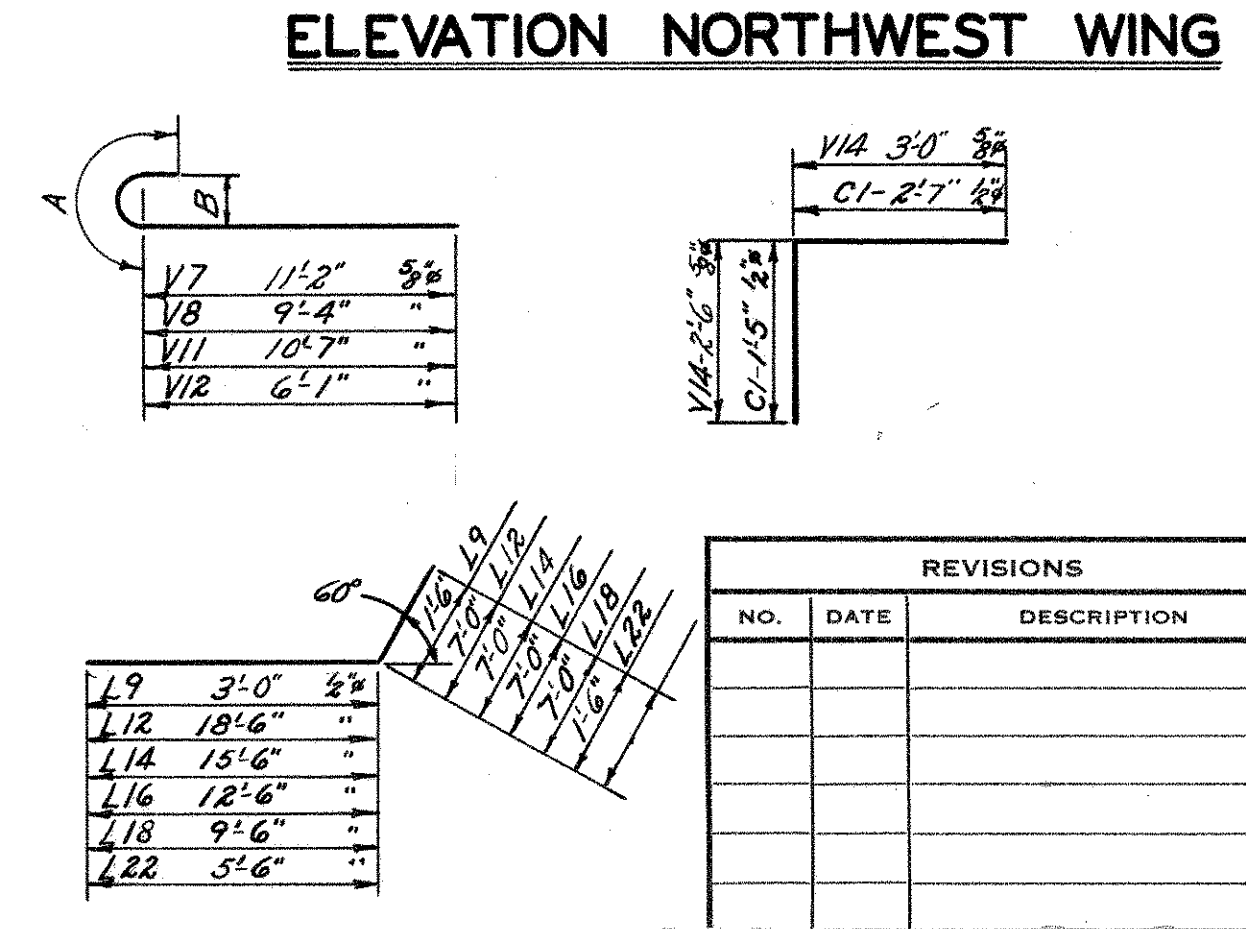
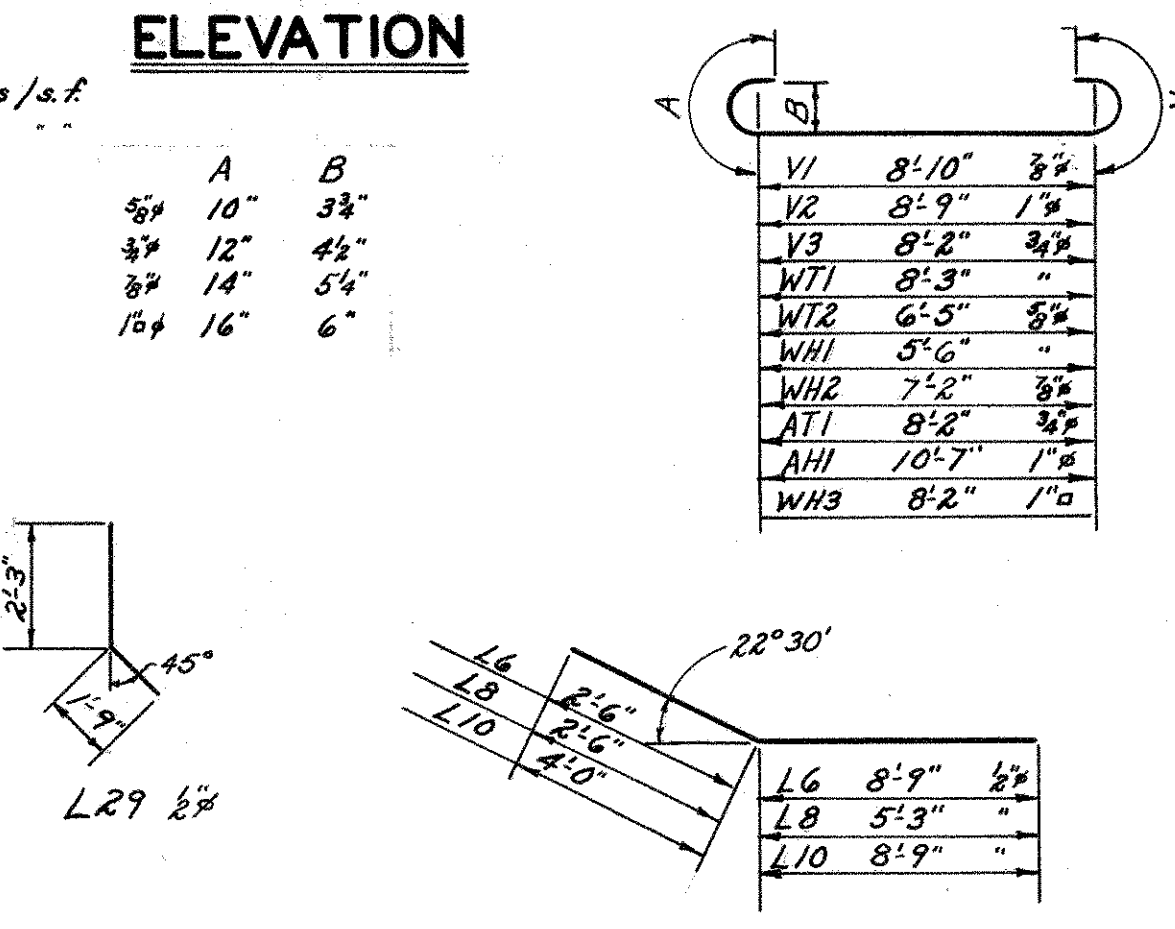
REVISIONS

NO.	DATE	DESCRIPTION



BAR BILL

Mark	No.	Size	Length	Weight	Remarks	Mark	No.	Size	Length	Weight	Remarks	Mark	No.	Size	Length	Weight	Remarks
V1	178	3/8"	11'-8"	4064	Detail	V16	5	3/8"	14'-0"	47	Str.	L7	1	1/2"	6'-9"	5	Str.
V2	39	1/4"	11'-5"	1797	"	V17	9	3/8"	16'-0"	96	"	L8	1	1/2"	7'-9"	5	Detail
V3	190	3/8"	10'-8"	2902	"	V18	3	3/8"	18'-3"	37	"	L9	1	1/2"	4'-6"	3	Detail
V4	9	3/8"	10'-3"	96	Str.	V19	1	3/8"	19'-3"	102	"	L10	12	1/2"	18'-9"	13	"
V5	8	3/8"	8'-0"	67	"	V20	2.5	3/8"	18'-6"	209	"	L11	12	1/2"	11'-0"	88	Str.
V6	9	3/8"	6'-6"	61	"	V21	12	3/8"	13'-0"	104	"	L12	8	1/2"	25'-6"	60	Detail
V7	7	3/8"	12'-0"	88	Detail	V22	7	3/8"	13'-0"	56	"	L13	8	1/2"	19'-6"	104	Str.
V8	12	3/8"	10'-2"	127	"	V23	6	3/8"	10'-0"	40	"	L14	1	1/2"	22'-6"	15	Detail
V9	39	3/8"	8'-9"	356	Str.	V24	4	3/8"	14'-6"	39	"	L15	1	1/2"	16'-6"	11	Str.
V10	34	3/8"	7'-6"	266	"	L1	18	3/8"	25'-6"	307	"	L16	1	1/2"	19'-6"	13	Detail
V11	3	3/8"	11'-5"	36	Detail	L2	2	3/8"	20'-0"	27	"	L17	1	1/2"	13'-6"	9	Str.
V12	3	3/8"	6'-11"	22	"	L3	2	3/8"	14'-0"	19	"	L18	1	1/2"	16'-6"	11	Detail
V13	70	3/8"	5'-0"	234	Str.	L4	30	3/8"	8'-0"	160	"	L19	1	1/2"	10'-6"	7	Str.
V14	64	3/8"	5'-6"	367	Detail	L5	1	3/8"	10'-3"	7	"	L20	13	1/2"	4'-0"	35	Str.
V15	6	3/8"	11'-9"	47	Str.	L6	1	3/8"	11'-3"	8	Detail	L21	1	1/2"	7'-0"	5	Str.
						L28	3	3/8"	4'-9"	10	Str.	L29	3	3/8"	4'-0"	8	Detail
Total 24,523																	



Fed Aid Proj. U46(B)

CONNECTICUT STATE HIGHWAY DEPARTMENT

TOWN OF GLASTONBURY

EAST HFD.-GLASTONBURY EXP.

BEAM BRIDGE OVER LINE "S" ON LINE "M" WEST ABUTMENT & WINGS

DESIGNED BY H.E.D. & G.A.H.

SCALES 3/8" = 1'-0"

MADE BY T.S.P.R. DATE 5-1950

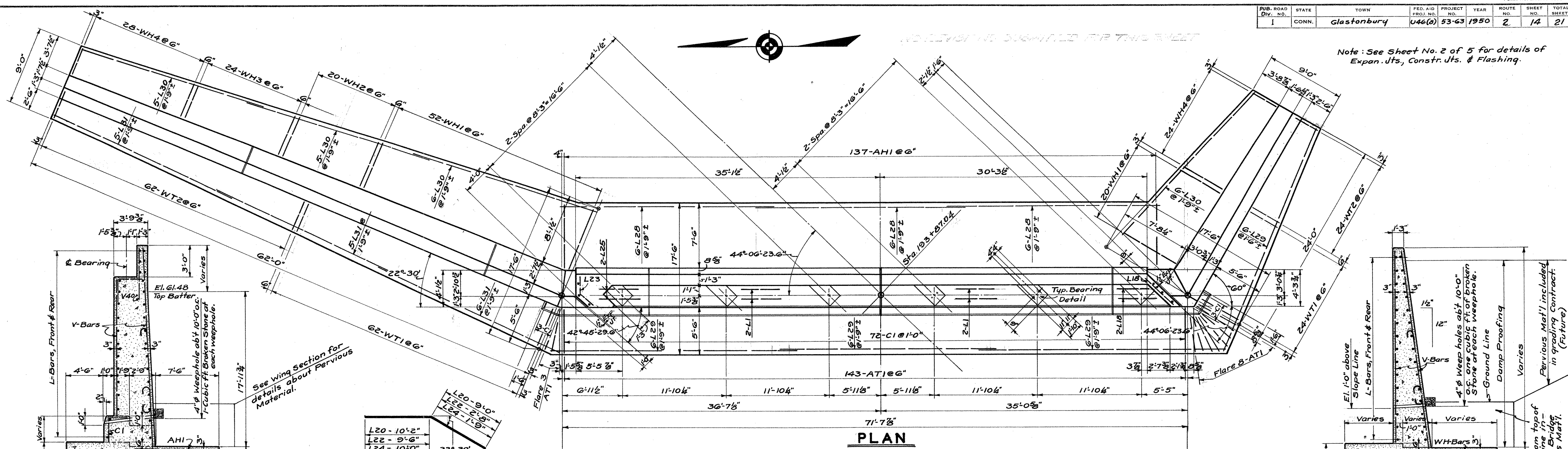
CHECKED BY H.E.D. DATE 5-22-50

APPROVED J. D. Dury DATE 5-26-50

PROJECT NO. 53-63-03C

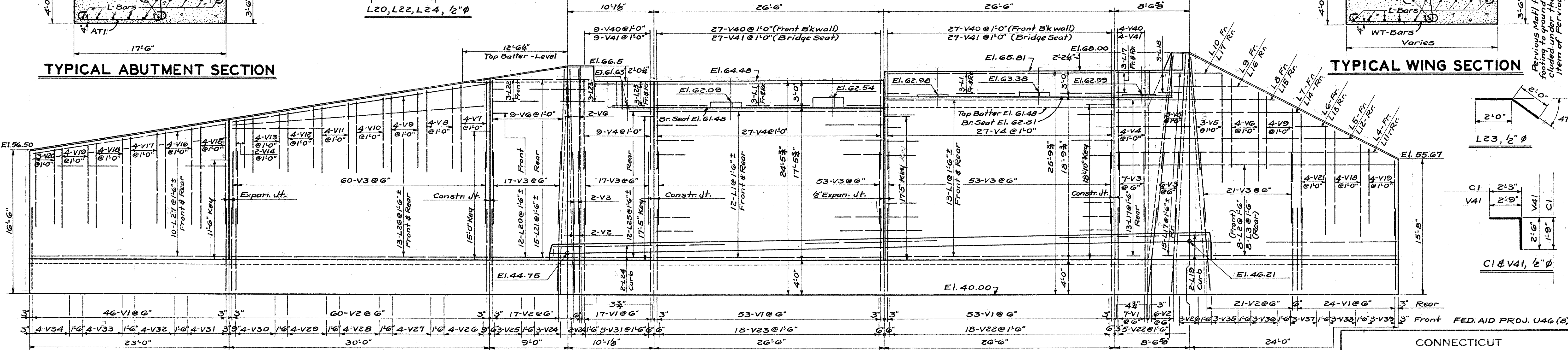
BRIDGE SHEET NO. 2 OF 5

Note: See Sheet No. 2 of 5 for details of Expan. Jts., Constr. Jts. & Flashing.



TYPICAL ABUTMENT SECTION

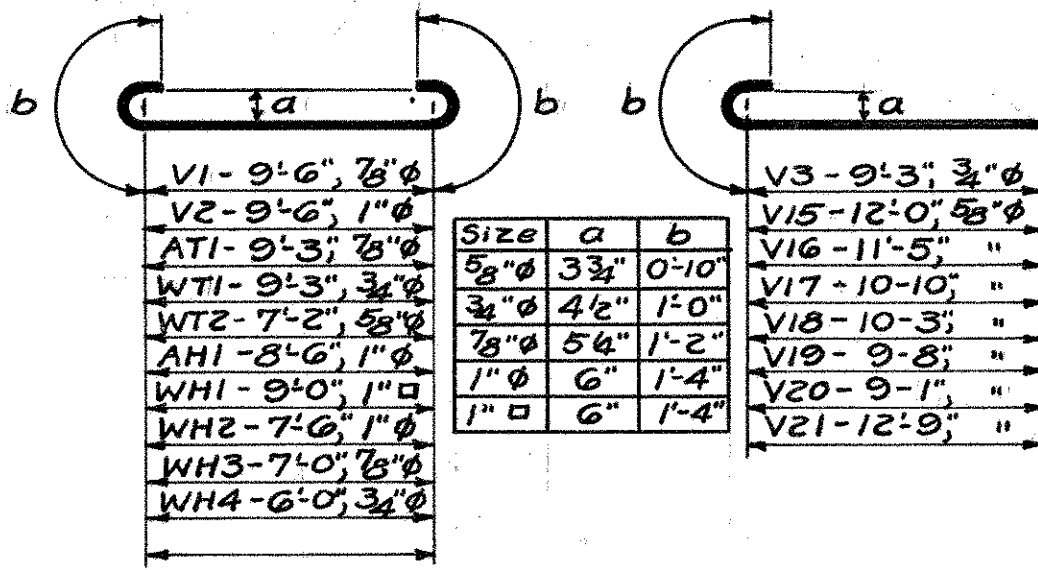
TYPICAL WING SECTION



BAR LIST

Bar No.	Size	Length	Wgt.	Remarks	Bar No.	Size	Length	Wgt.	Remarks	Bar No.	Size	Length	Wgt.	Remarks	Bar No.	Size	Length	Wgt.	Remarks			
V1	200	28"φ	11'10"	4836	Det'd	V18	8	28"φ	92	Det'd	V35	3	2"φ	20'9"	42	Str.	L2	8	2"φ	33'6"	179	Det'd
V2	106	1"φ	12'2"	3444	"	V19	8	10'6"	88	"	V36	3	2"φ	18'8"	37	"	L3	8	2"φ	24'6"	131	Str.
V3	236	3/8"φ	10'3"	3633	"	V20	3	9'11"	31	"	V37	3	"	16'4"	33	"	L4	1	"	31'0"	21	Det'd
V4	67	5/8"φ	11'6"	804	Str.	V21	4	13'7"	57	"	V38	3	"	14'0"	28	"	L5	1	"	28'0"	19	"
V5	6	"	13'6"	84	"	V22	23	2"φ	238	Str.	V39	3	"	11'8"	23	"	L6	1	"	25'0"	17	"
V6	15	"	12'0"	188	"	V23	18	15'0"	180	"	V40	67	"	6'0"	269	"	L7	1	"	22'0"	15	"
V7	4	"	10'3"	43	"	V24	5	21'9"	73	"	V41	67	"	5'3"	235	"	L8	1	"	19'0"	13	"
V8	4	"	9'7"	40	"	V25	3	20'10"	42	"	WT1	154	6"φ	11'7"	3645	Det'd	L9	1	"	9'4"	6	"
V9	8	"	9'0"	75	"	V26	7	20'0"	94	"	WT2	86	3/8"φ	11'3"	1453	"	L10	1	"	6'4"	4	"
V10	4	"	8'5"	35	"	V27	4	19'1"	51	"	WT3	86	3/8"φ	8'4"	792	"	L11	1	"	22'6"	15	Str.
V11	4	"	7'10"	33	"	V28	4	18'2"	49	"	AH1	137	1"φ	11'2"	4086	"	L12	1	"	19'6"	13	"
V12	4	"	7'3"	30	"	V29	4	17'3"	46	"	WH1	72	1"φ	11'8"	2857	"	L13	1	"	16'6"	11	"
V13	4	"	6'8"	28	"	V30	4	16'4"	44	"	WH2	20	1"φ	10'2"	543	"	L14	1	"	13'6"	9	"
V14	2	"	6'1"	13	"	V31	9	15'4"	92	"	WH3	24	7/8"φ	9'4"	458	"	L15	1	"	10'6"	7	"
V15	4	"	12'10"	54	Det'd	V32	4	14'5"	39	"	WH4	52	3/4"φ	8'0"	625	"	L16	1	"	7'6"	5	"
V16	4	"	12'3"	51	"	V33	4	13'6"	36	"	LI	66	2"φ	26'3"	1157	Str.	L17	35	"	3'8"	86	"
V17	4	"	11'8"	49	"	V34	4	12'4"	33	"	LI	66	2"φ	26'3"	1157	Str.	L18	5	"	4'9"	16	"
Total = 34,335 lb.																						

ELEVATION



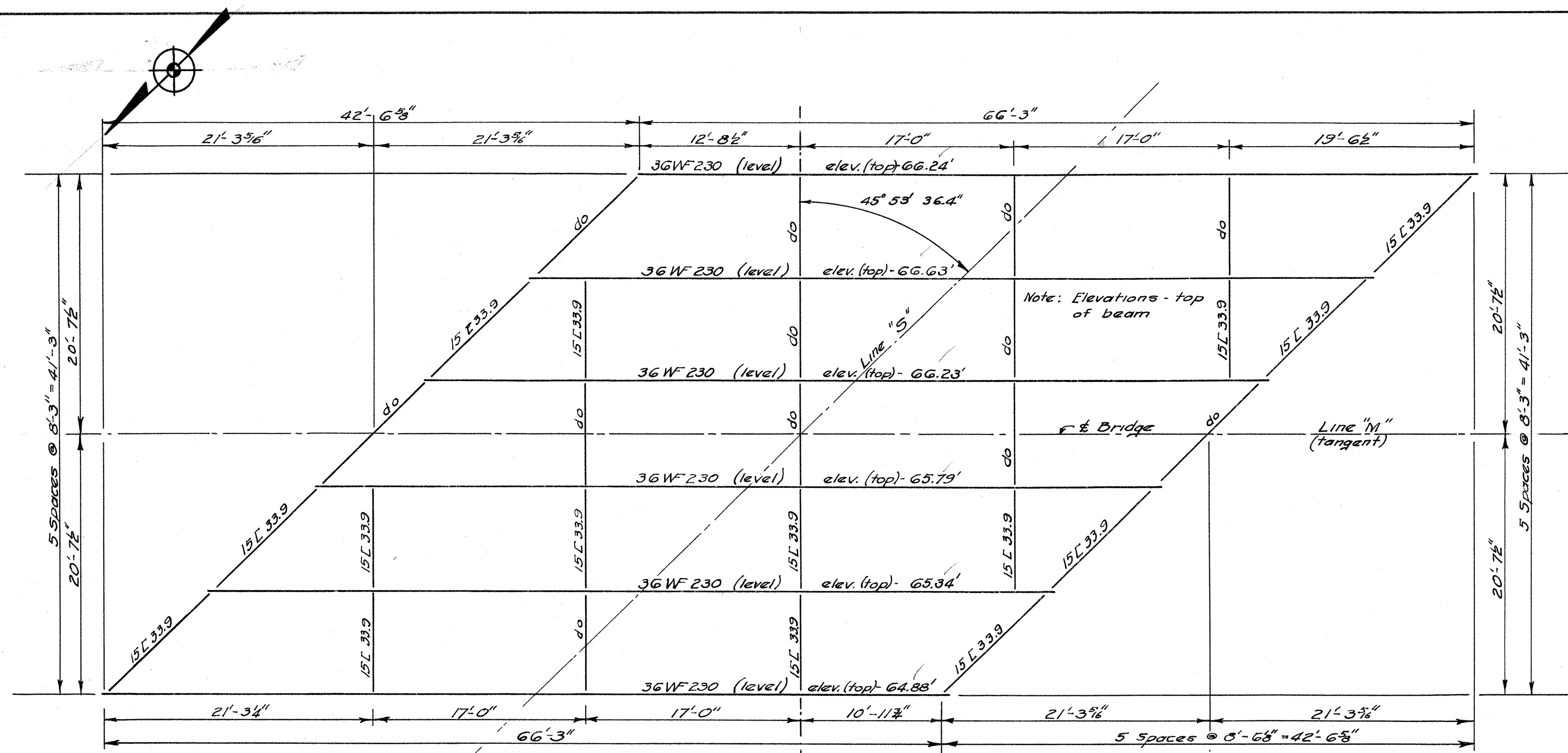
CONNECTICUT STATE HIGHWAY DEPARTMENT
TOWN OF GLASTONBURY
EAST HFD- GLASTONBURY EXP.
BEAM BRIDGE OVER
LINE "S" ON LINE "M"
EAST ABUTMENT & WINGS

REVISIONS

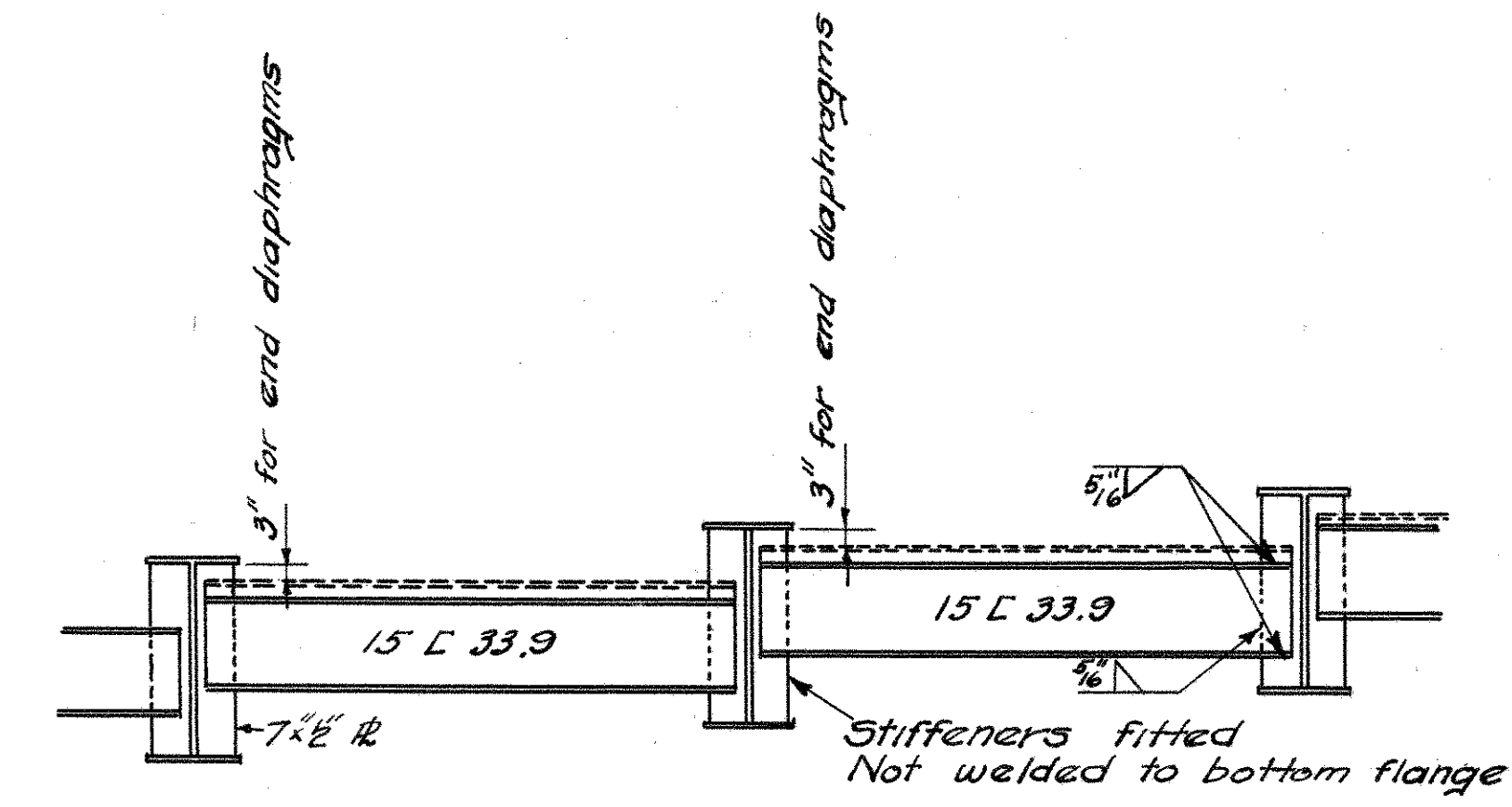
NO.	DATE	DESCRIPTION

DESIGNED BY H.E.J. & G.A.H.
SCALES 3/8" = 1'-0"
MADE BY W.R.P. DATE 5/25/50
CHECKED BY H.E.J. DATE 5/26/50
APPROVED J. O. DUNN DATE 5/26/50

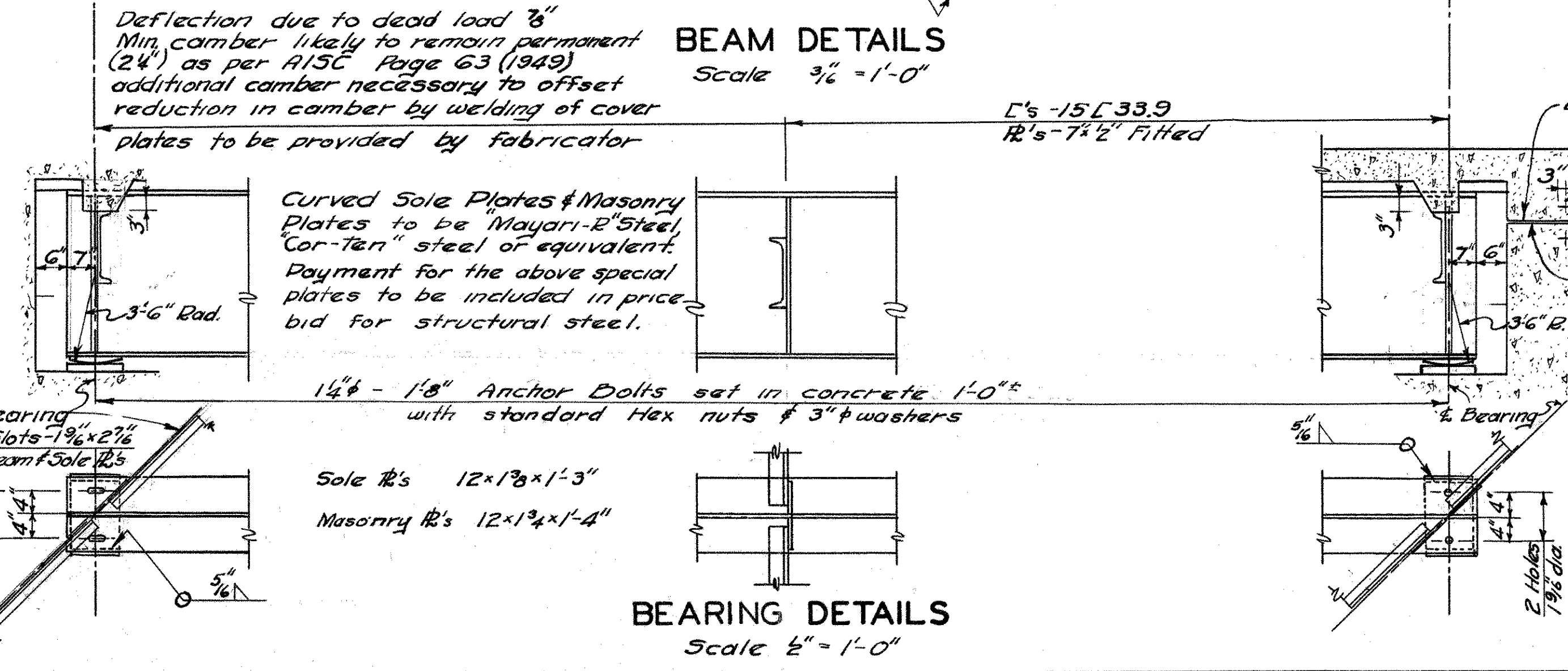
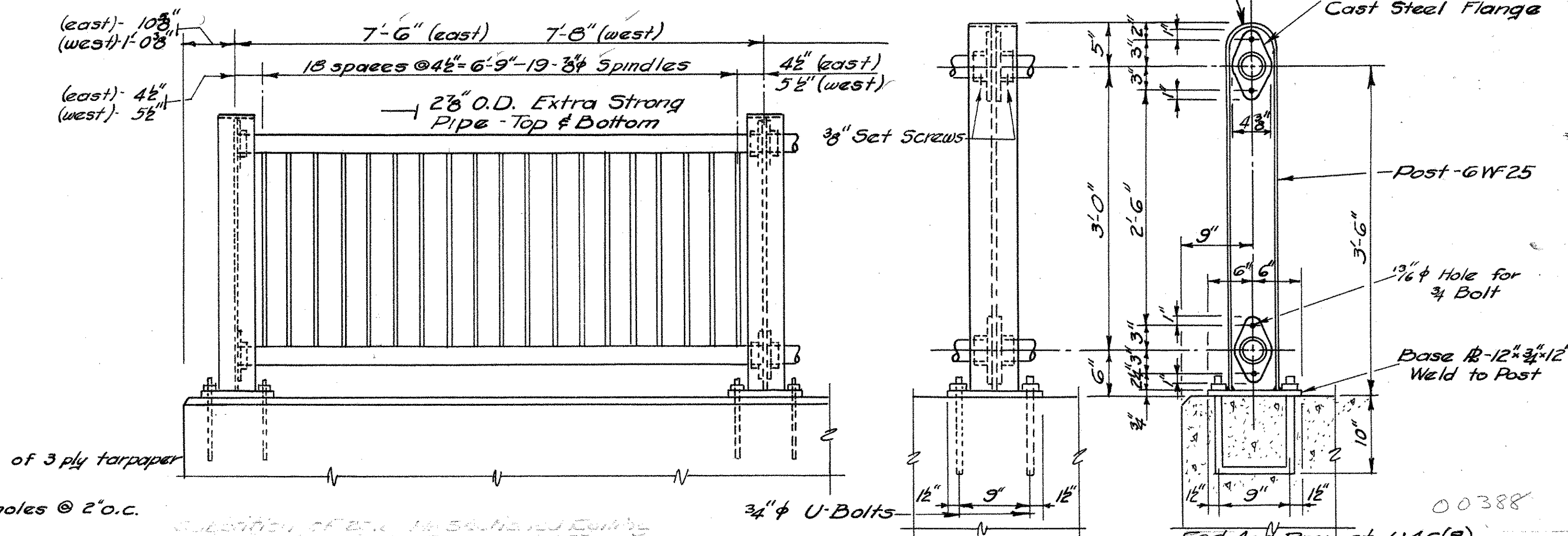
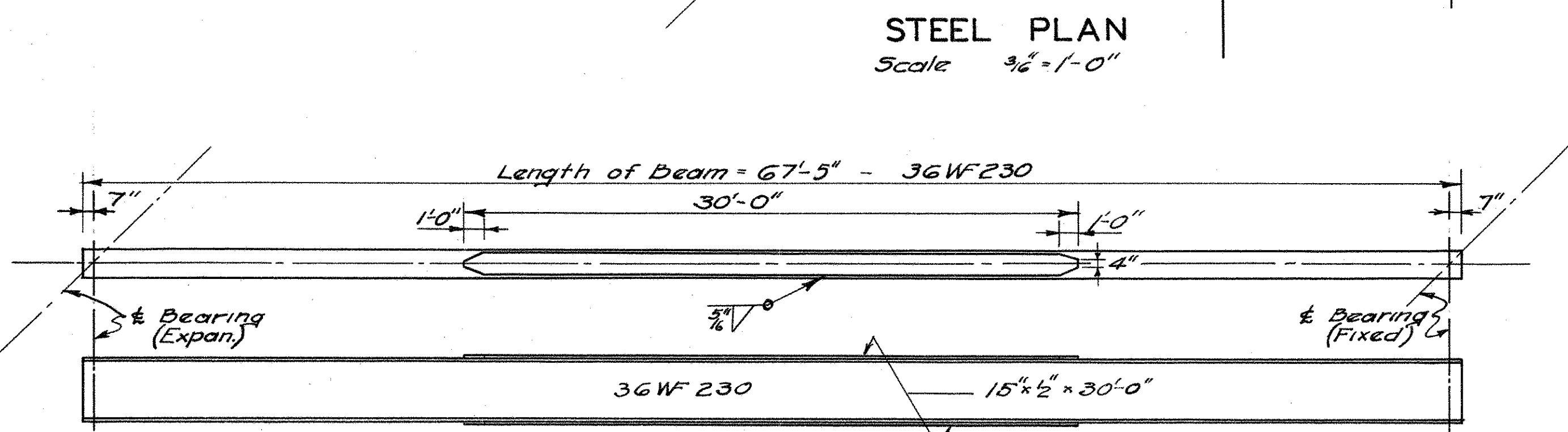
PROJECT NO. 53-63-03C
BRIDGE SHEET NO. 3 OF 5



DEFLECTIONS IN GREEN INK TO SHOW BRIDGE AS CONSTRUCTED



Note: Railing to follow grade. All posts and spindles to be truly vertical. Cut web, bend flanges to shape and weld at top.

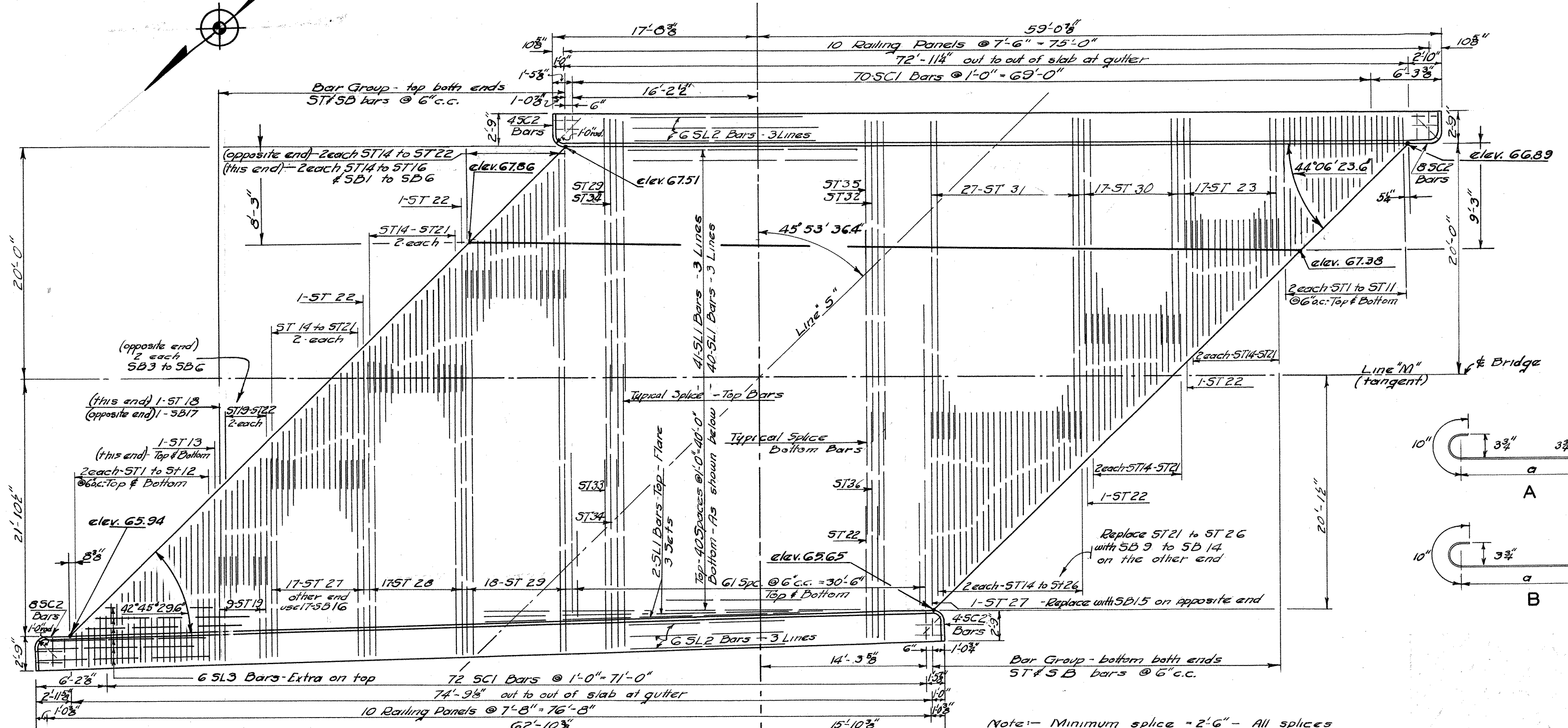


00388
 Fed. Aid Project U46(5)

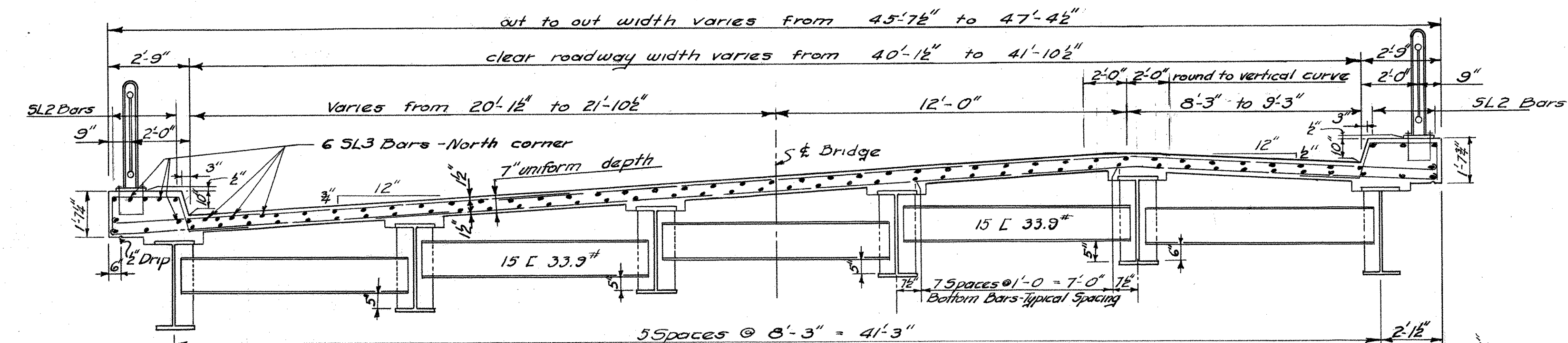
CONNECTICUT STATE HIGHWAY DEPARTMENT
 TOWN OF GLASTONBURY
 EAST HFD.-GLASTONBURY EXP.
 BEAM BRIDGE OVER
 LINE "S" ON LINE "M"
 STEEL DETAILS

REVISIONS		
NO.	DATE	DESCRIPTION

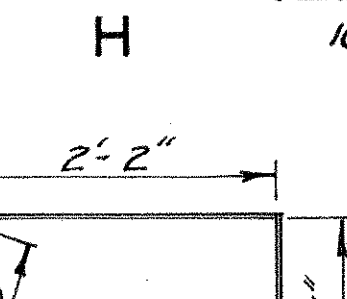
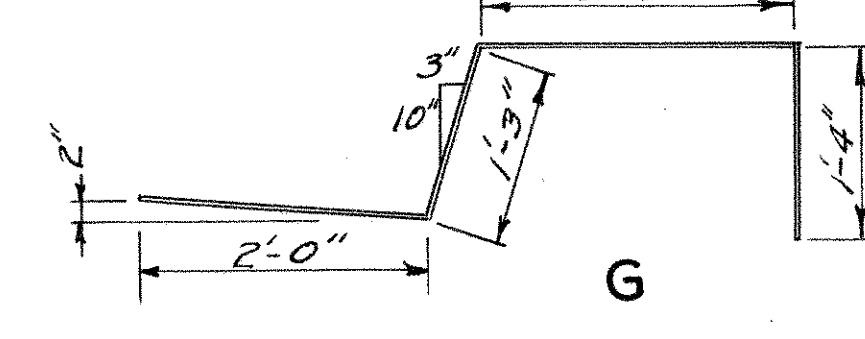
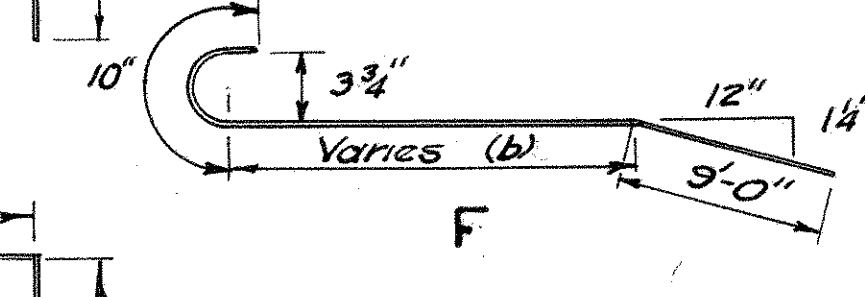
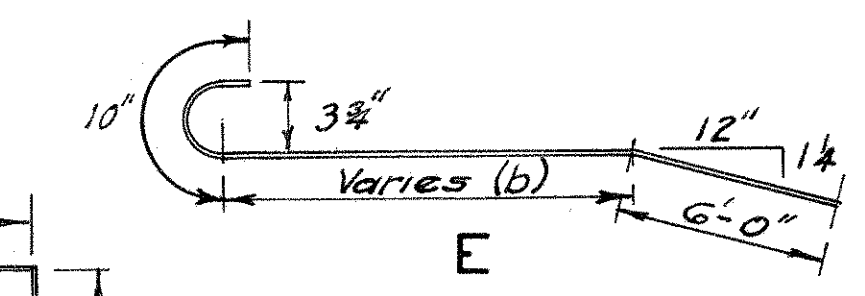
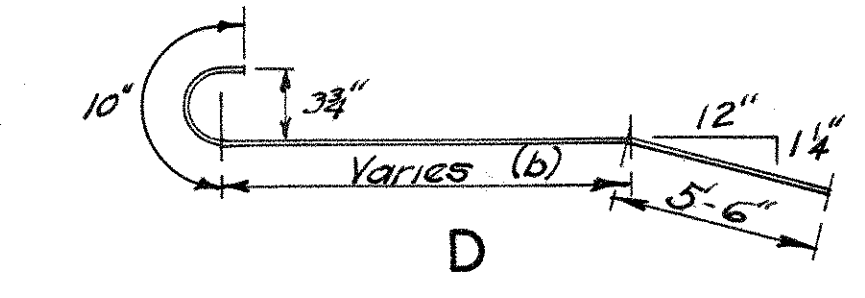
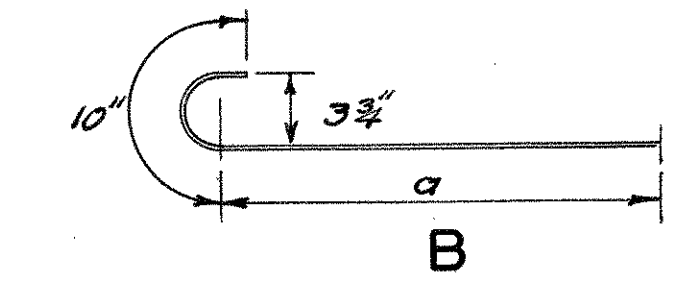
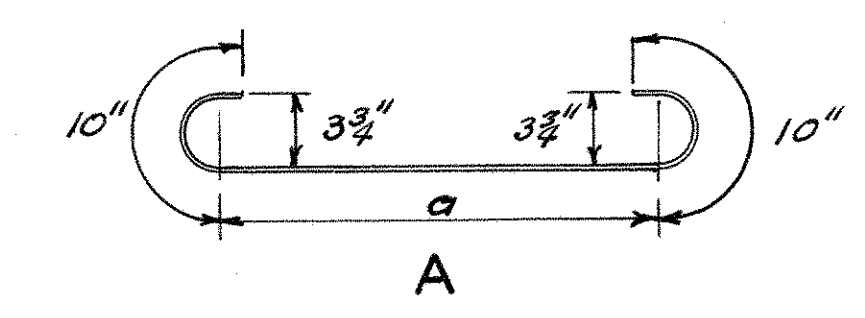
DESIGNED BY: HEJ & GATT
 SCALES: As Noted
 MADE BY: GATT DATE: 5-8-50 PROJECT NO. 53-63-03C
 CHECKED BY: H.E.L. DATE: 5/18/50 BRIDGE SHEET NO. 4 OF 5
 APPROVED: J.D. DUNN DATE: 5/24/50



PLAN
 Scale 3/8" = 1'-0"



TYPICAL CROSS SECTION
 Scale 3/8" = 1'-0"



BAR BILL									
Mark	No.	Size	a	b	Length	Remark	Weight		
ST 1	8	5/8"φ	2'-3"		3'-11"	Detail A	33		
ST 2	8	"	3'-1"		4'-9"	"	40		
ST 3	8	"	4'-2"		5'-10"	"	49		
ST 4	8	"	5'-1"		6'-9"	"	56		
ST 5	8	"	6'-0"		7'-8"	"	64		
ST 6	8	"	7'-0"		8'-8"	"	72		
ST 7	8	"	8'-0"		9'-8"	"	81		
ST 8	8	"	8'-11"		10'-7"	"	88		
ST 9	8	"	9'-11"		11'-7"	"	97		
ST 10	10	"	10'-8"		12'-4"	"	129		
ST 11	4	"	11'-8"		13'-4"	"	56		
ST 12	4	"	12'-8"		14'-4"	"	60		
ST 13	2	"	13'-8"		15'-4"	"	32		
ST 14	24	"	4'-0"		4'-10"	Detail B	121		
ST 15	24	"	4'-10"		5'-8"	"	142		
ST 16	24	"	5'-10"		6'-8"	"	167		
ST 17	20	"	6'-10"		7'-8"	"	160		
ST 18	24	"	7'-10"		8'-8"	"	217		
ST 19	42	"	8'-10"		9'-8"	"	424		
ST 20	24	"	9'-10"		10'-8"	"	267		
ST 21	20	"	10'-10"		11'-8"	"	243		
ST 22	45	"	11'-10"		12'-8"	"	595		
ST 23	36	"	12'-10"		13'-8"	"	513		
ST 24	2	"	13'-10"		14'-8"	"	31		
ST 25	2	"	14'-10"		15'-8"	"	33		
ST 26	2	"	15'-10"		16'-8"	"	35		
ST 27	18	"	16'-10"		17'-8"	"	332		
ST 28	34	"	22'-10"		25'-8"	"	910		
ST 29	67	"	32'-10"		33'-8"	"	2353		
ST 30	34	"	20'-10"		21'-8"	"	768		
ST 31	54	"	28'-10"		29'-8"	"	1671		
ST 32	31	"	27'-10"		28'-8"	"	927		
ST 33	31	"	16'-6"		17'-4"	"	510		
ST 34	62	"	24'-6"		25'-4"	"	1638		
ST 35	31	"	35'-10"		36'-8"	"	1186		
ST 36	31	"	20'-6"		21'-4"	"	690		
SL 1	249	3/8"φ			26'-6"	Straight	6822		
SL 2	36	"			28'-0"	"	1051		
SC 1	142	"			6'-9"	Detail G	1000		
SC 2	24	"			4'-9"	Detail H	119		
SB 1	2	3/8"φ	1'-4"	7'-8"		Detail D	16		
SB 2	2	"	2'-4"	8'-8"		"	18		
SB 3	4	"	3'-4"	9'-8"		"	40		
SB 4	4	"	4'-4"	10'-8"		"	45		
SB 5	4	"	5'-4"	11'-8"		"	49		
SB 6	4	"	6'-4"	12'-8"		"	52		
SB 9	2	"	1'-10"	11'-8"		Detail F	24		
SB 10	2	"	2'-10"	12'-8"		"	26		
SB 11	2	"	3'-10"	13'-8"		"	29		
SB 12	2	"	4'-10"	14'-8"		"	31		
SB 13	2	"	5'-10"	15'-8"		"	33		
SB 14	2	"	6'-10"	16'-8"		"	35		
SB 15	1	"	7'-10"	17'-8"		"	18		
SB 16	17	"	10'-10"	17'-8"		Detail E	313		
SB 17	1	"	1'-4"	7'-8"		Detail D	8		
SL 3	6	3/8"φ			10'-0"	Straight	30		

Fed. Aid Project U46(B) Total = 24569

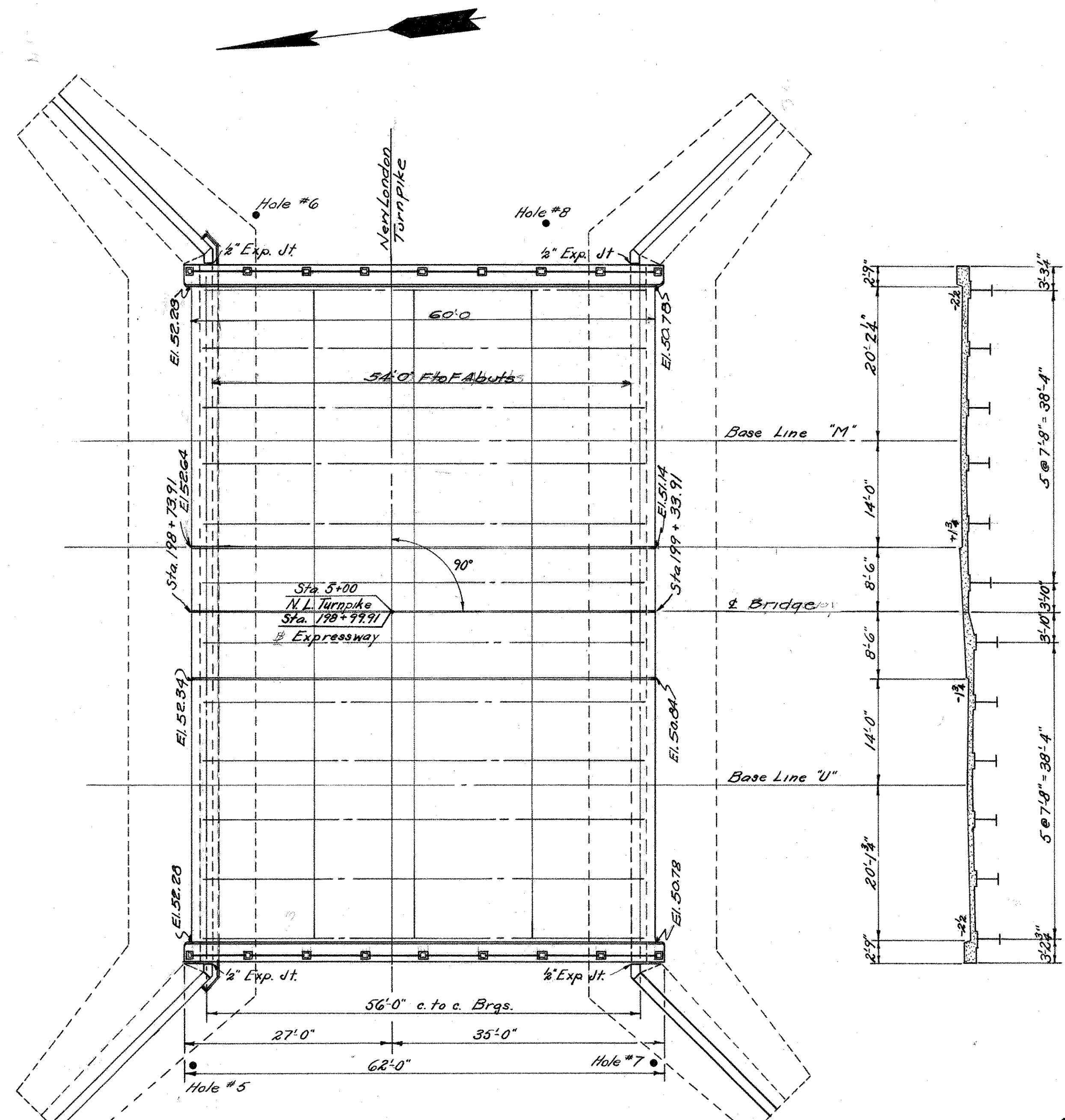
CONNECTICUT
 STATE HIGHWAY DEPARTMENT
 TOWN OF GLASTONBURY
 EAST HFD.-GLASTONBURY EXP.
 BEAM BRIDGE OVER
 LINE "S" ON LINE "M"
 SLAB

REVISIONS		
NO.	DATE	DESCRIPTION
1	9-11-50	Bar Bill SB/1 to SB/17 Detail "C" deleted.

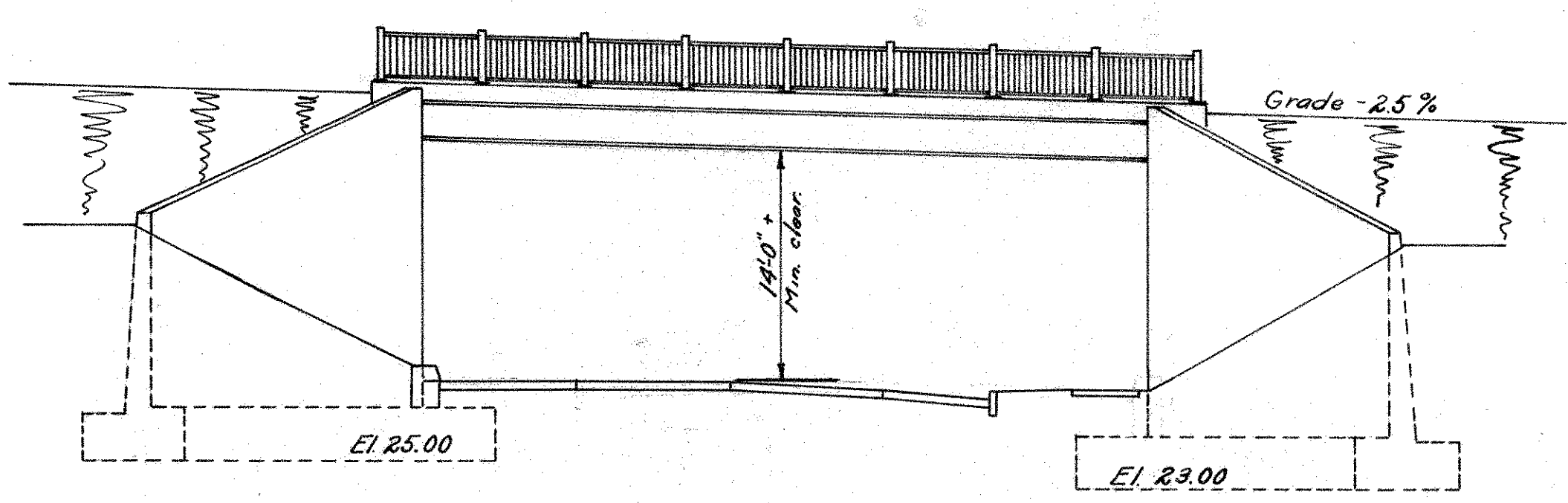
DESIGNED BY HEJ & GAH
 SCALES As Noted
 MADE BY GAH DATE 5-8-50 53-63-03C
 CHECKED BY H.E.J. DATE 5/22/50 BRIDGE SHEET NO. 5 OF 5
 APPROVED J. O. Dwyer DATE 5-26-50

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Glastonbury	446(B)	53-63	1950	2	17	21

NO REVISIONS SUBMITTED FOR THIS SHEET

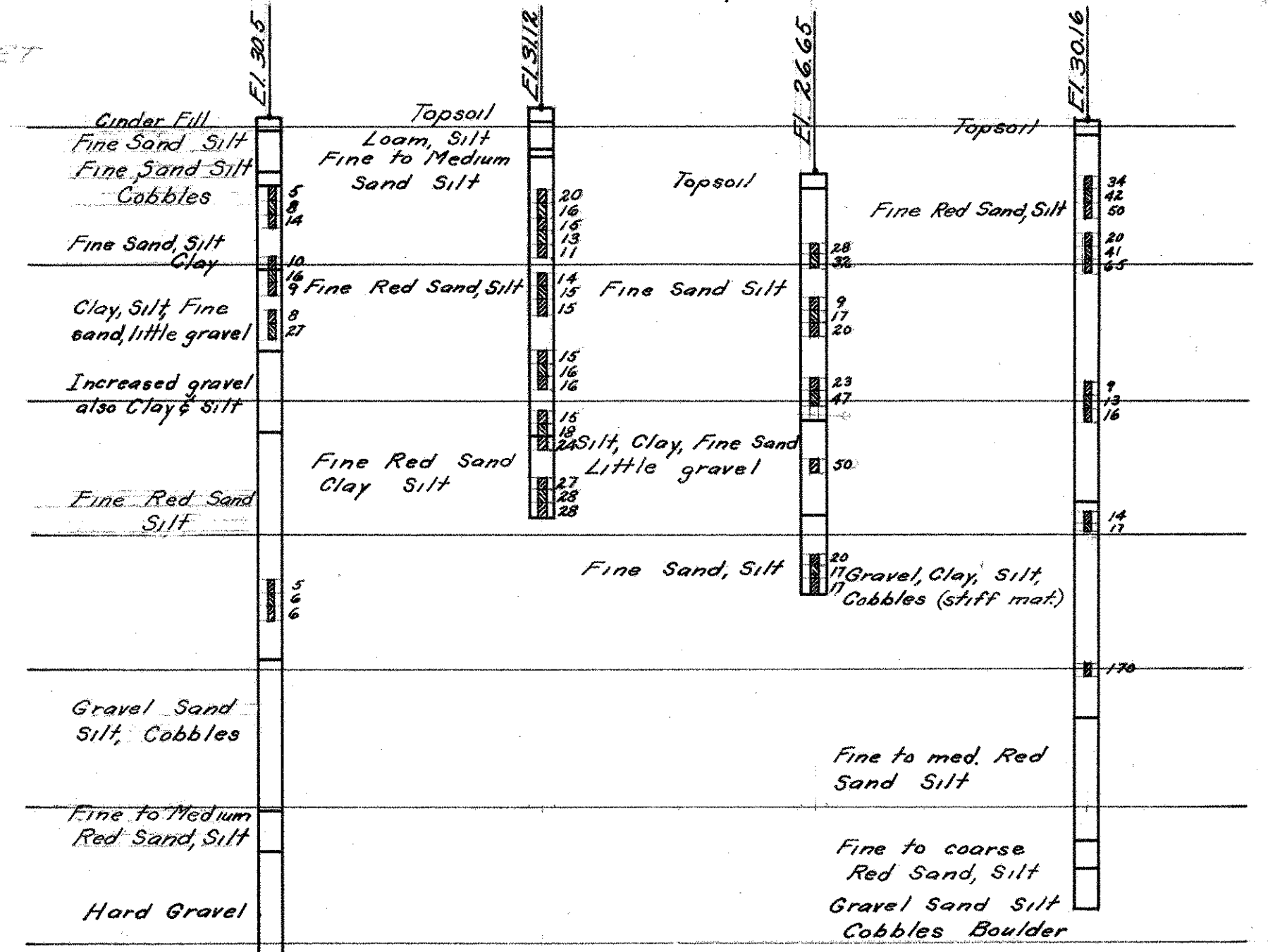
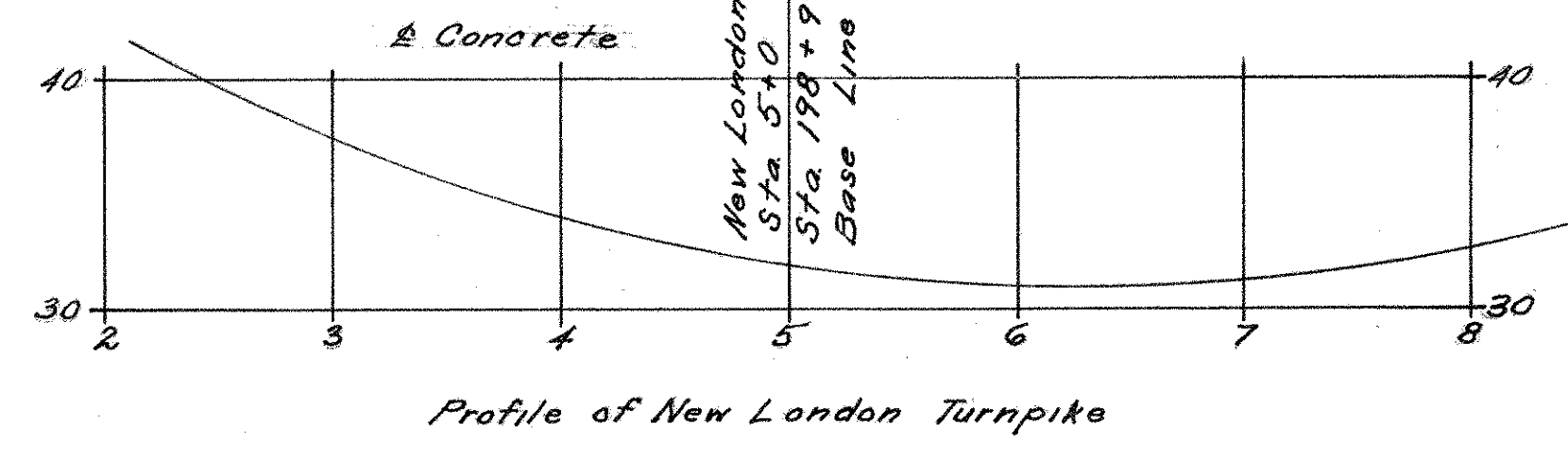
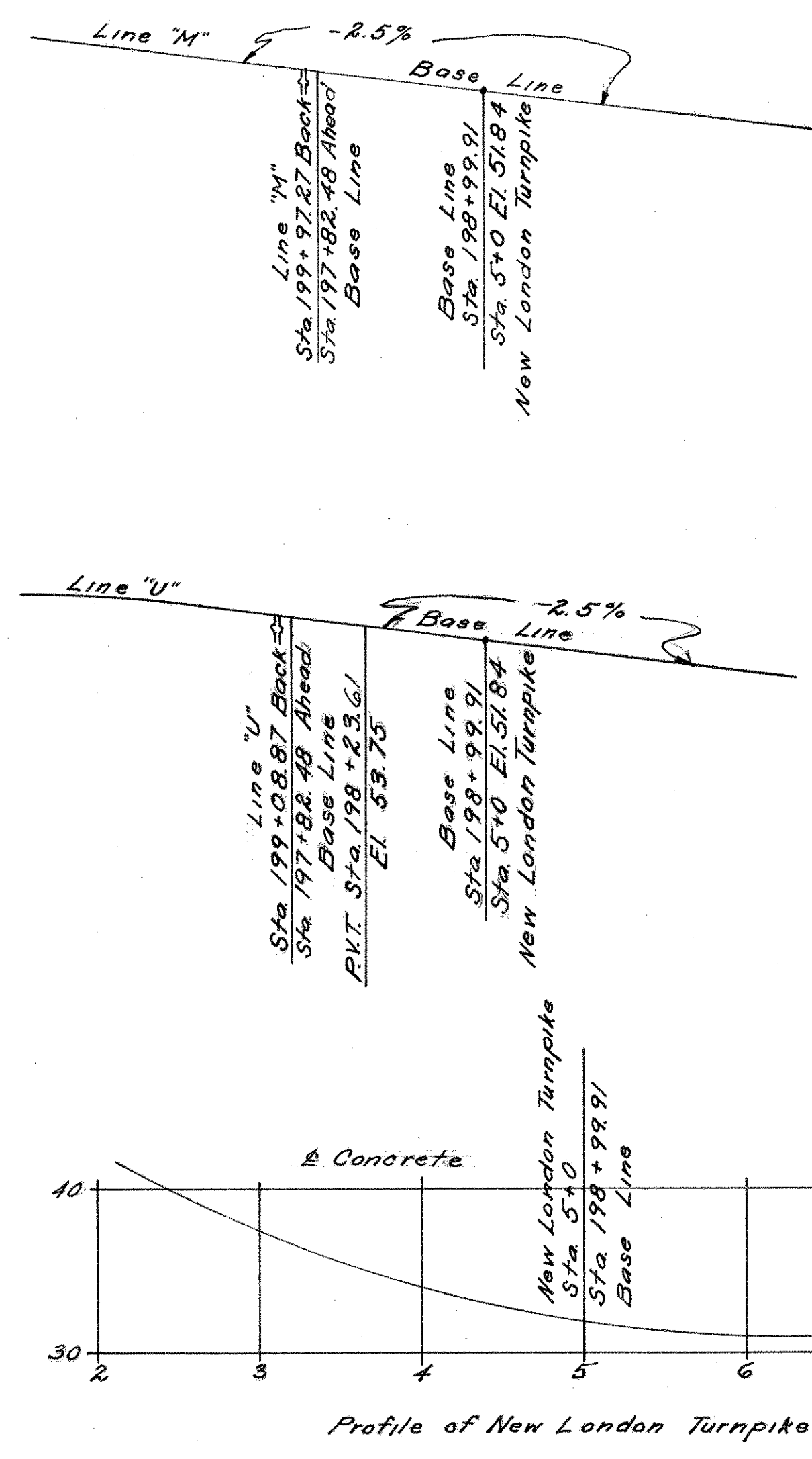


PLAN



ELEVATION

SECTION THRU BRIDGE



BORINGS

Note: The no. opposite the strata indicates the no. of blows needed to drive a 3" & 4" Sampler Pipe 1'-0" with a 345# hammer falling 2'-0".

Notes:
 General Specifications: Conn. State Highway Dept. Form 807.
 Design Specifications: A.A.S.H.O. Div. III - 1949. Live Load H20-516-44
 Class A Concrete to be used thruout.
 Cost of 4" Weepholes, broken stone at each weep-hole and 2 layers of Tarpaper to be included in the general cost of the contract.
 The item Bridge Excavation contains a quantity sufficient in amount to provide for a layer of gravel 12" thick under the entire structure, however, gravel fill is to be placed under the structure only if directed by the Engineer.
 Metal Bridge Rail and Structural Steel to be painted one shop coat of Zinc Chromate & Iron Oxide & two field coats of a color and shade as specified by the Engineer in the field.
 Parts in contact with concrete not to be painted. Quantities listed are approximate only and do not relieve the Contractor of the responsibility of checking them when preparing his bid.

QUANTITIES				
Item	Unit	Substructure	Superstructure	Total
Bridge Excavation	C.Y.	992		992
Portland Cement	Bbbs.	1791	219	2010
Natural Cement	Bbbs.	324	39	363
Class A Concrete	C.Y.	1268	155	1423
1/2" Prem. Bit. Exp. Jt. Filler for Bridges	S.F.	648	45	693
Deformed Steel Bars	Lbs.	70024	32648	102672
Structural Steel	Lbs.		177500	177500
Metal Flashing	Lbs.	370	48	418
Damp Proofing	S.Y.	660		660
Metal Bridge Rail	L.F.		122	122
Gravel Fill	C.Y.	208		208
Pervious Material	C.Y.	100		100

	Class A Concrete	Portland Cement	Natural Cement
Footing	611	863	156
Stem	657	928	168
Superstructure	155	219	39

REVISIONS		
NO.	DATE	DESCRIPTION

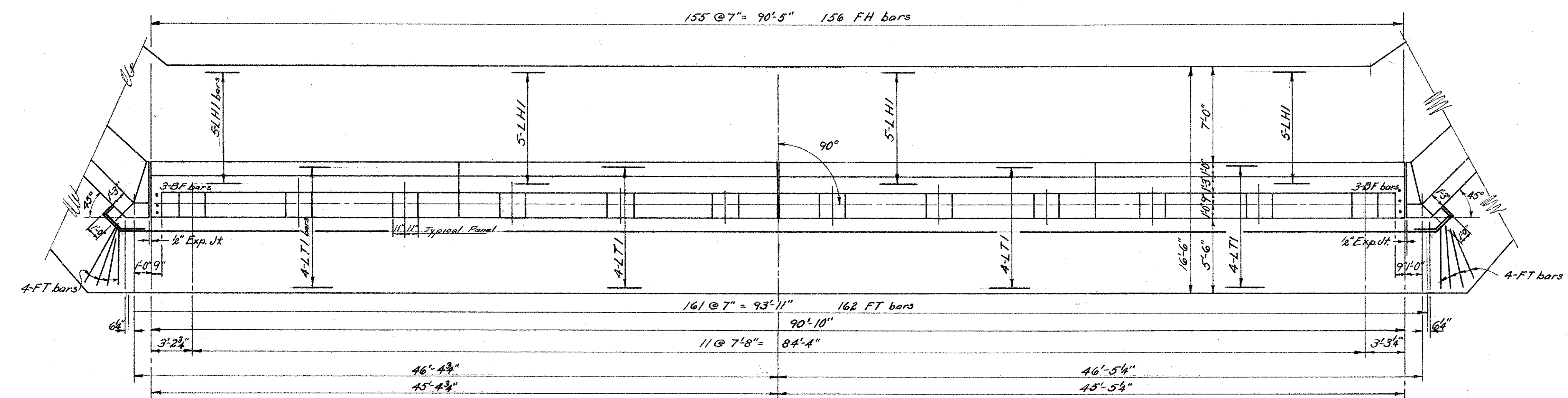
Fed. Aid Proj. No. 446(B)

CONNECTICUT
 STATE HIGHWAY DEPARTMENT
 TOWN OF GLASTONBURY
 EAST HFD-GLASTONBURY EXP.
 BEAM BRIDGE OVER
 NEW LONDON TURNPIKE
 CONNECTION TO ROUTE 17
 GENERAL PLAN

DESIGNED BY: H.E.J.
 SCALES: 3/2" = 1'-0"
 MADE BY: T.S.R. DATE: 4/26/50
 CHECKED BY: H.E.J. DATE: 5/16/50
 APPROVED: J.D. Dwyer DATE: 5/16/50

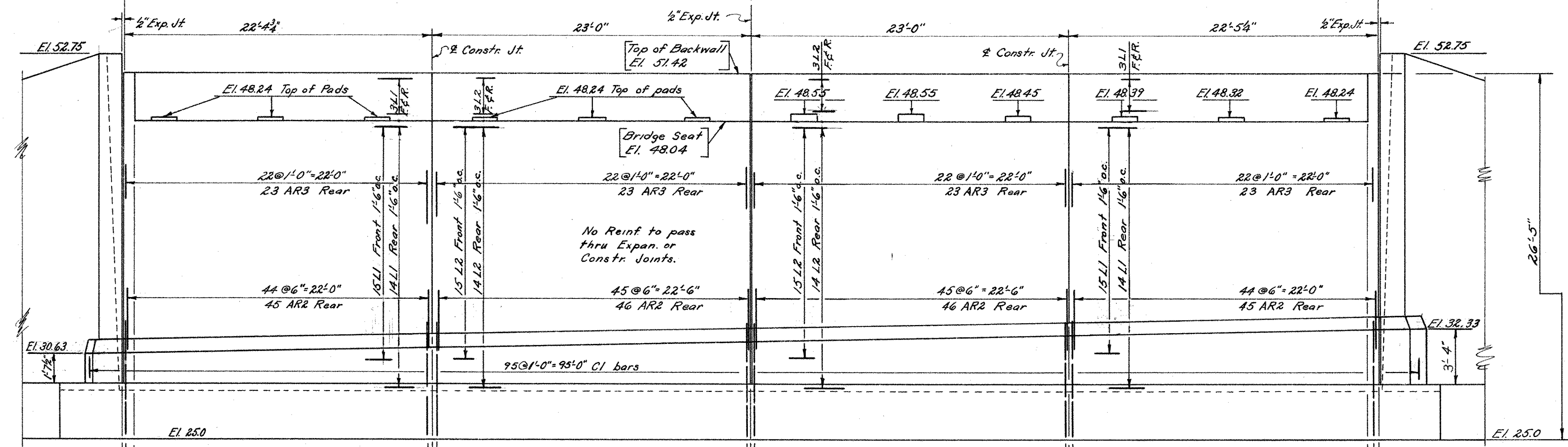
PROJECT NO. 53-63
 BRIDGE SHEET NO. 1 OF 5

NO REVISIONS SUBMITTED FOR THIS SHEET

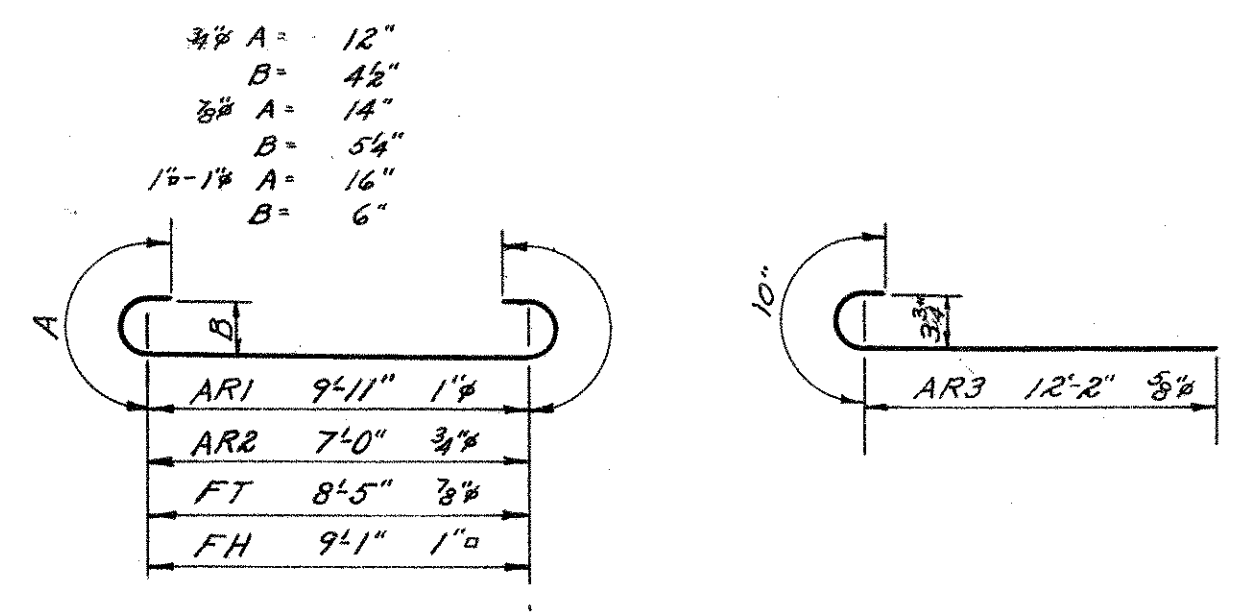


PLAN

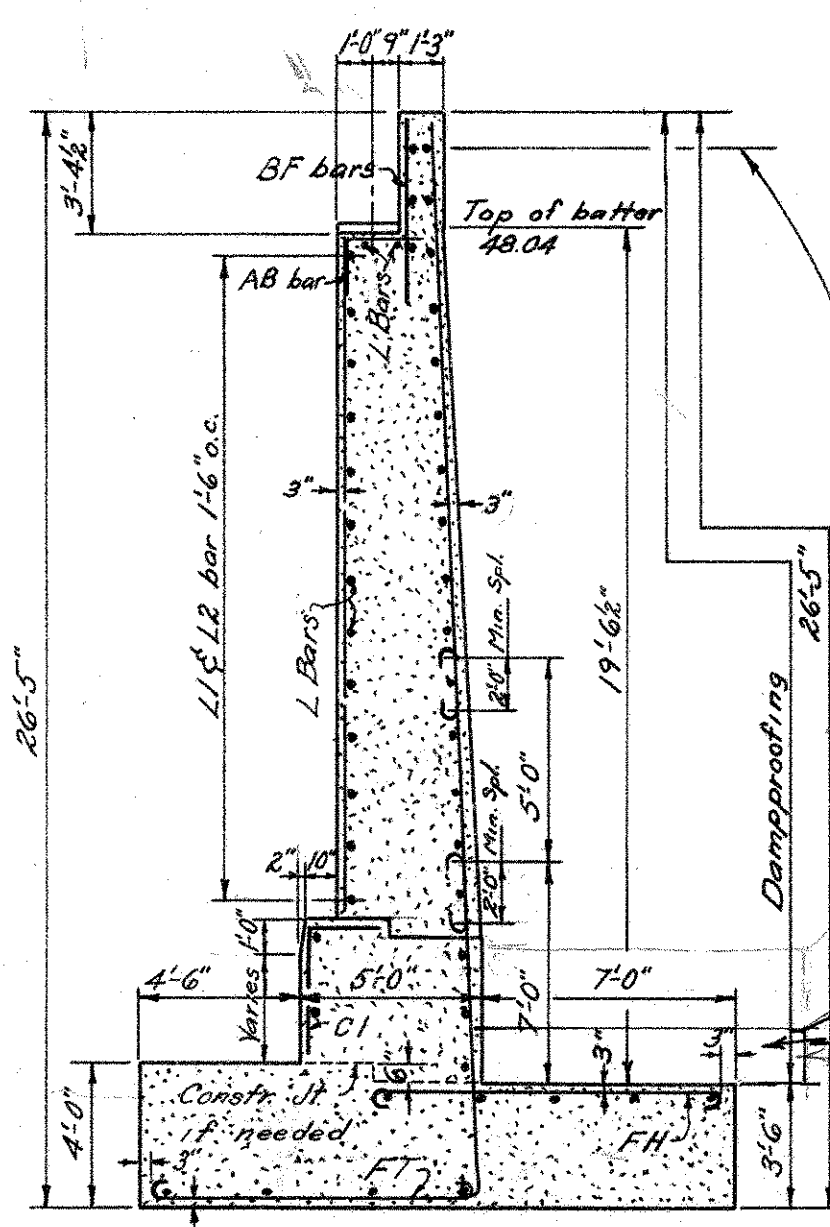
Mark	No.	Size	Length	Weight	Remarks
AR1	182	1/2"	12'-7"	6113	Detailed
AR2	182	3/8"	9'-0"	2460	"
AR3	92	5/8"	13'-0"	1247	"
L1	70	3/8"	21'-10"	1021	Straight
L2	70	"	22'-7"	1056	"
AF1	15	"	15'-6"	155	"
AF2	16	"	15'-0"	3735	"
AF3	16	"	14'-6"	6232	"
AF4	15	"	14'-0"	160	"
FT	170	3/8"	10'-9"	155	Detailed
FH	156	1/2"	11'-9"	140	"
LH1	20	1/2"	24'-0"	235	Straight
LT1	16	"	26'-0"	278	"
BF	68	"	5'-8"	377	"
AB	62	"	4'-3"	321	Detailed
CI	96	"	5'-0"	321	"
Total WT = 24,006					



ELEVATION

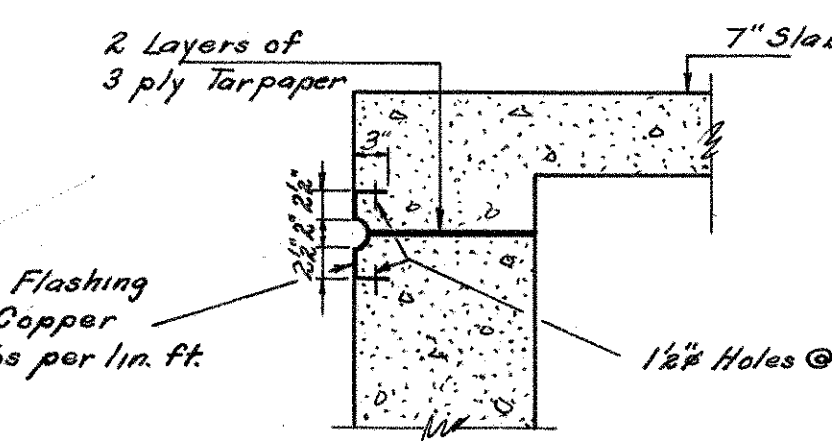


BAR DETAILS

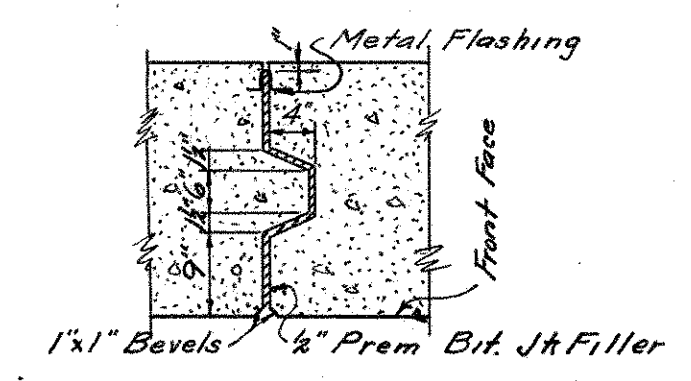


TYP. ABUT. SECT.

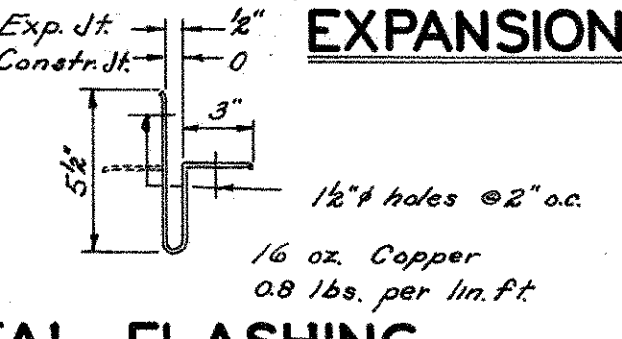
Foundation Pressures
Max. 2 Tons
Av. 1.5 Tons



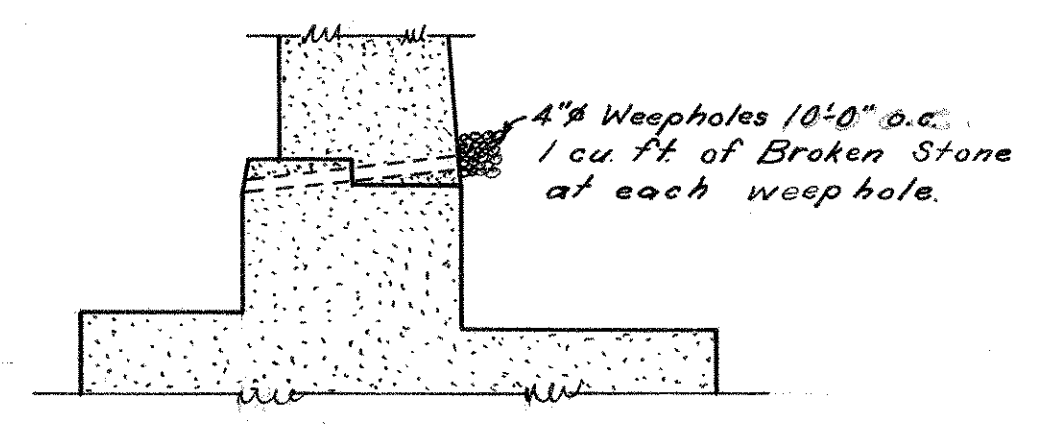
FLASHING END OF SLAB



EXPANSION JOINT



METAL FLASHING



DRAINAGE DETAIL

Fed. Aid. Proj. No. U46(B)

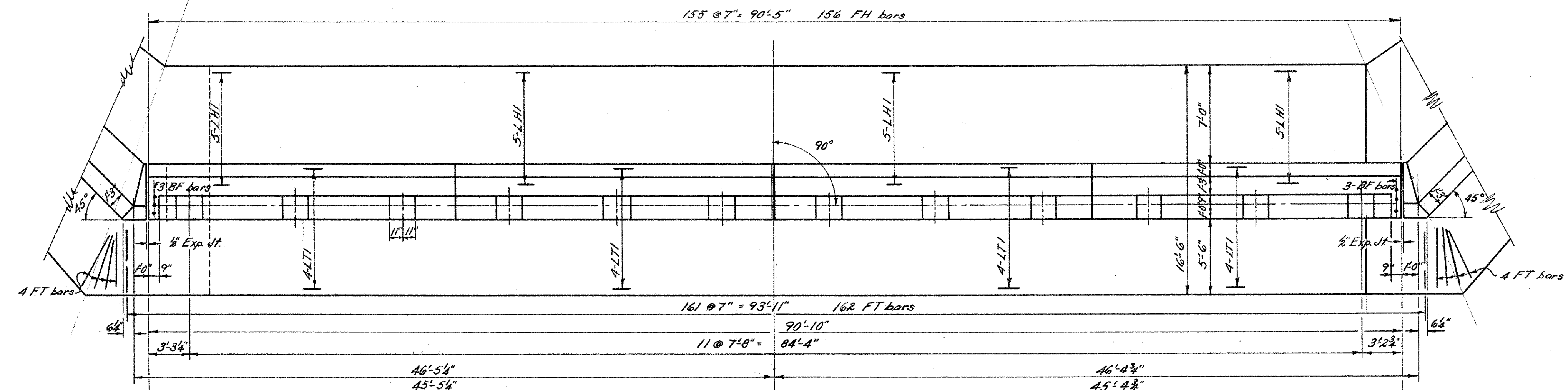
CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF GLASTONBURY
EAST HFD-GLASTONBURY EXP.
BEAM BRIDGE OVER
NEW LONDON TURNPIKE
CONNECTION TO ROUTE 17
NORTH ABUTMENT

REVISIONS		
NO.	DATE	DESCRIPTION

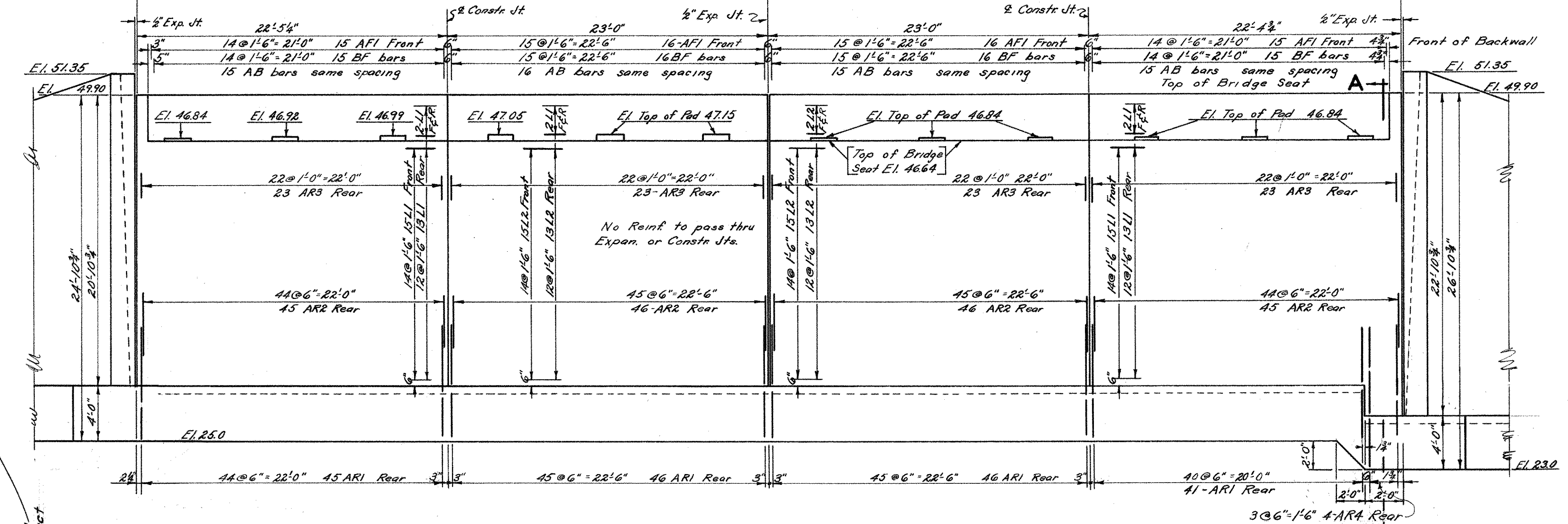
DESIGNED BY H.E.J.
 SCALES 3/8" = 1'-0"
 MADE BY T.S.R. DATE 4/12/50
 CHECKED BY H.E.J. DATE 4/24/50
 APPROVED J.D. Denny DATE 5/10/50

PROJECT NO. 53-63
 BRIDGE SHEET NO. 2 OF 5

NO REVISIONS SUBMITTED FOR THIS SHEET



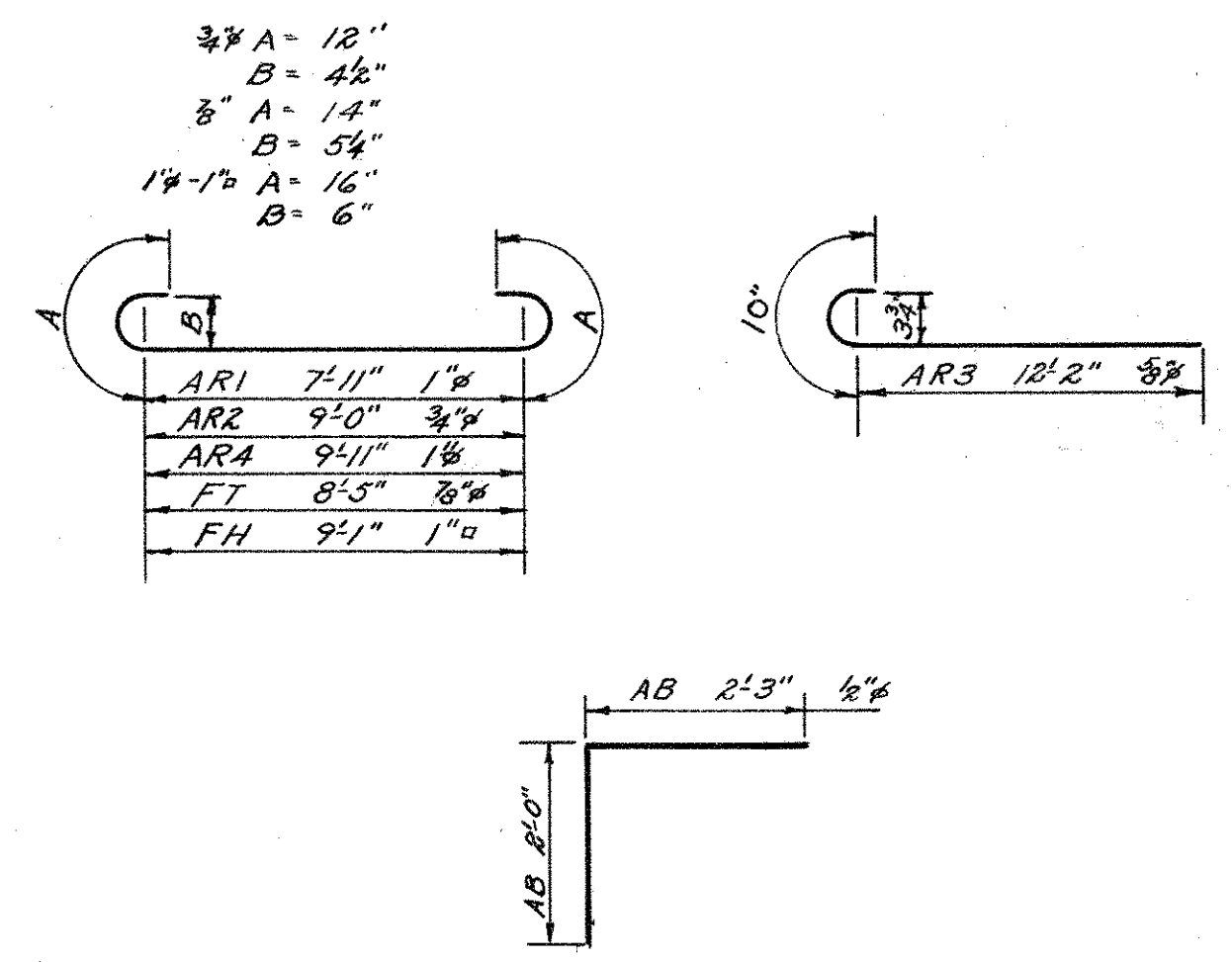
PLAN



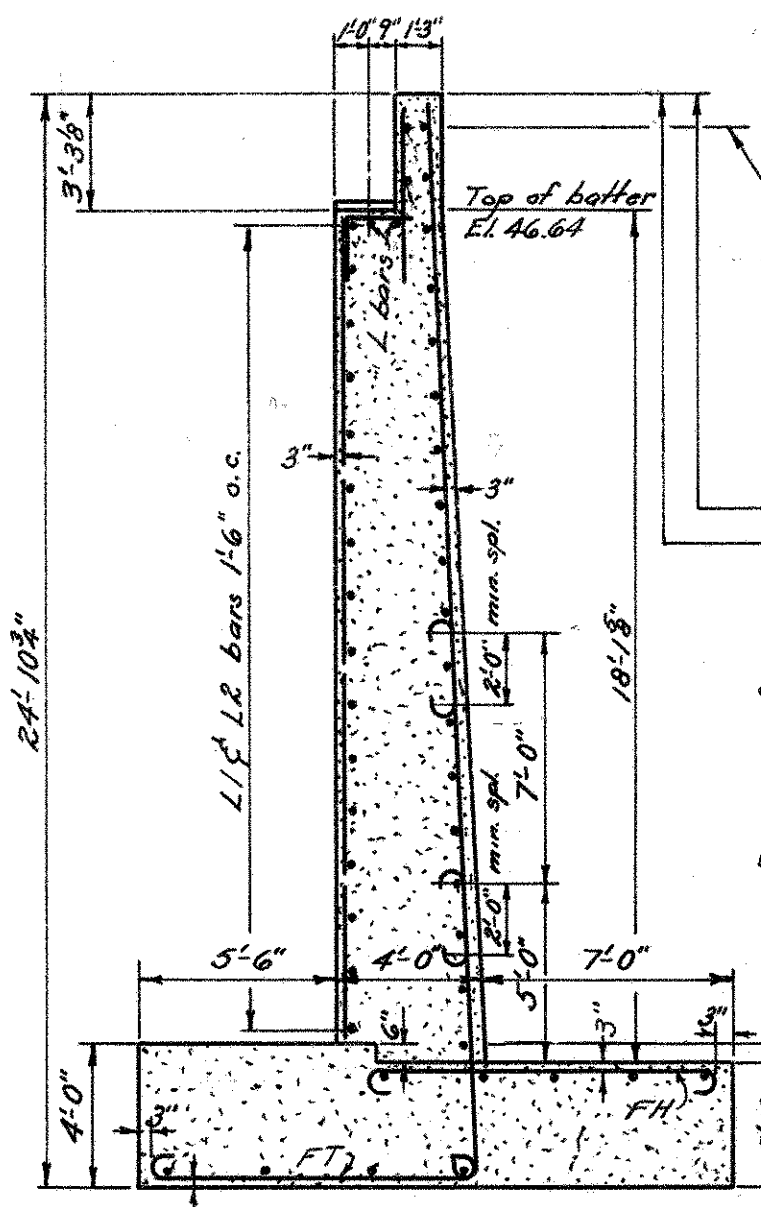
ELEVATION

Note: See Bridge Sheet # 2 for Flashing & Expansion Joint Details.

Mark	No.	Size	Length	Weight	Remarks
ARI	178	1 1/2"	10'-7"	5028	Detailed
AR2	182	3/4"	11'-0"	3007	"
AR3	92	5/8"	13'-0"	1247	"
ARA	4	1"	12'-7"	134	"
L1	62	3/8"	21'-10"	904	Straight
L2	62	"	22'-7"	935	"
AF1	68	"	17'-3"	714	"
FT	170	3/8"	10'-9"	3735	Detailed
FH	156	1"	11'-9"	6232	"
LH1	20	3/8"	24'-0"	321	Straight
LT1	16	"	26'-0"	278	"
BF	68	"	5'-2"	235	"
AB	62	"	4'-3"	176	Detailed
Total Wt.					22946

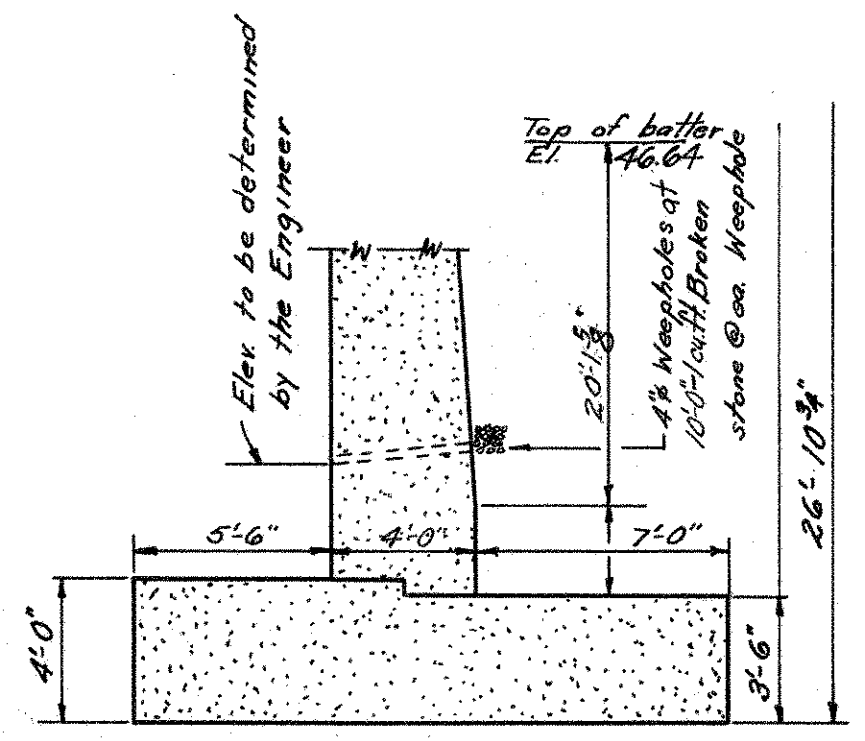


BAR DETAILS



TYP ABUT SECT.

Foundation Pressure
Max. 2 Tons
Av. 1.5 Tons



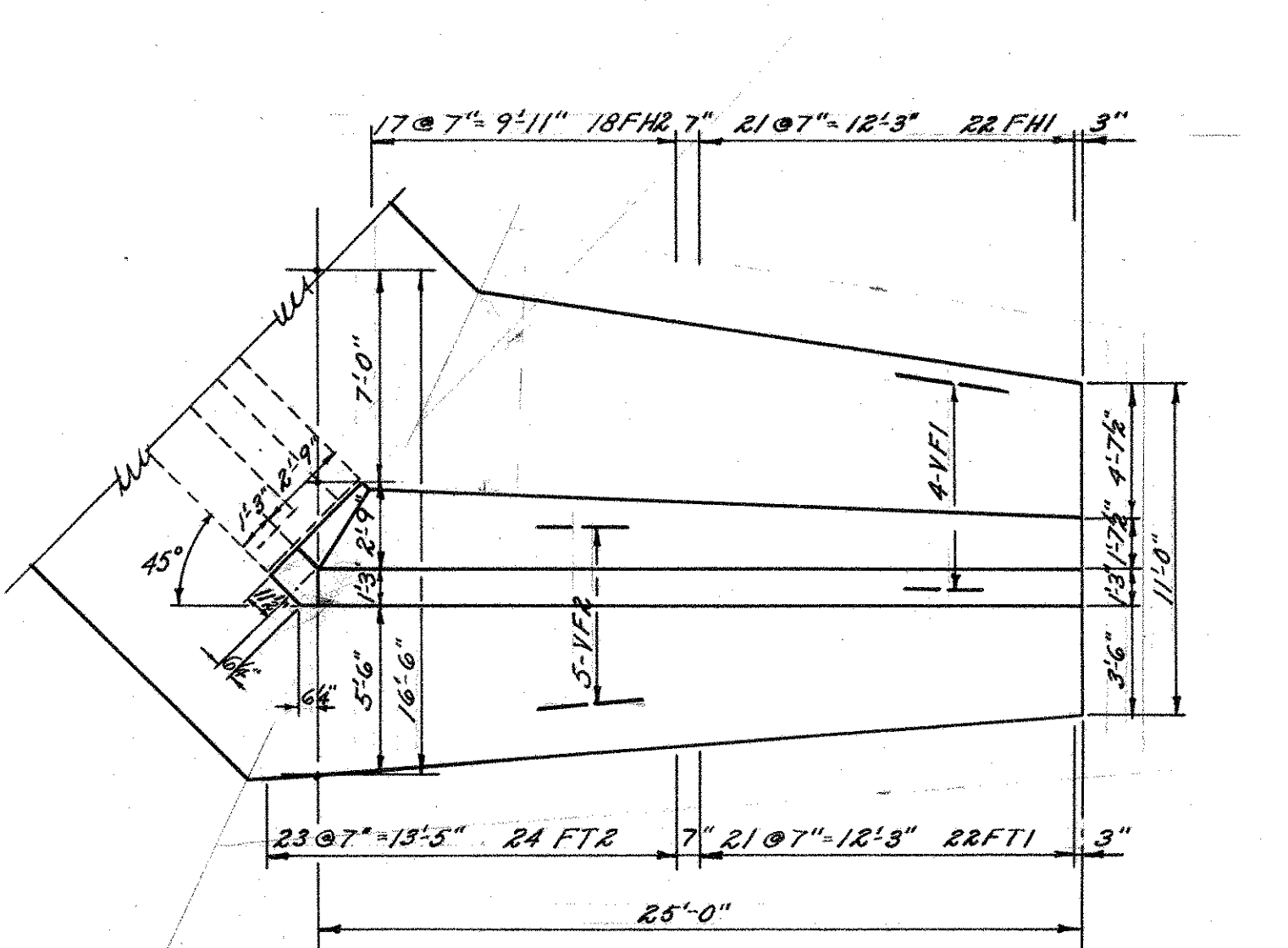
SECTION A-A

Fed. Aid. Proj. No. U46(B)

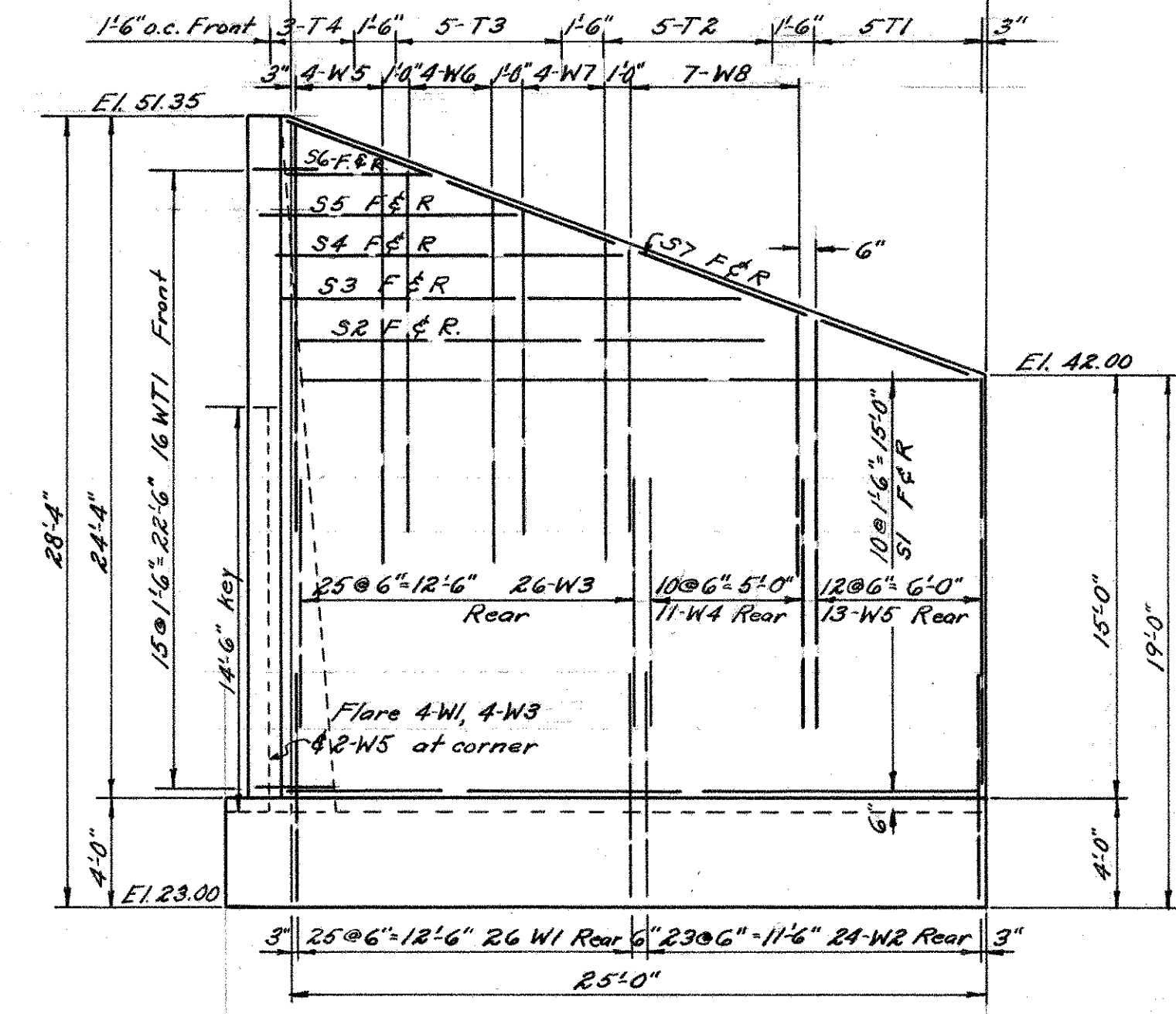
CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF GLASTONBURY
EAST HFD-GLASTONBURY EXP.
BEAM BRIDGE OVER
NEW LONDON TURNPIKE
CONNECTION TO ROUTE 17
SOUTH ABUTMENT

REVISIONS		
NO.	DATE	DESCRIPTION

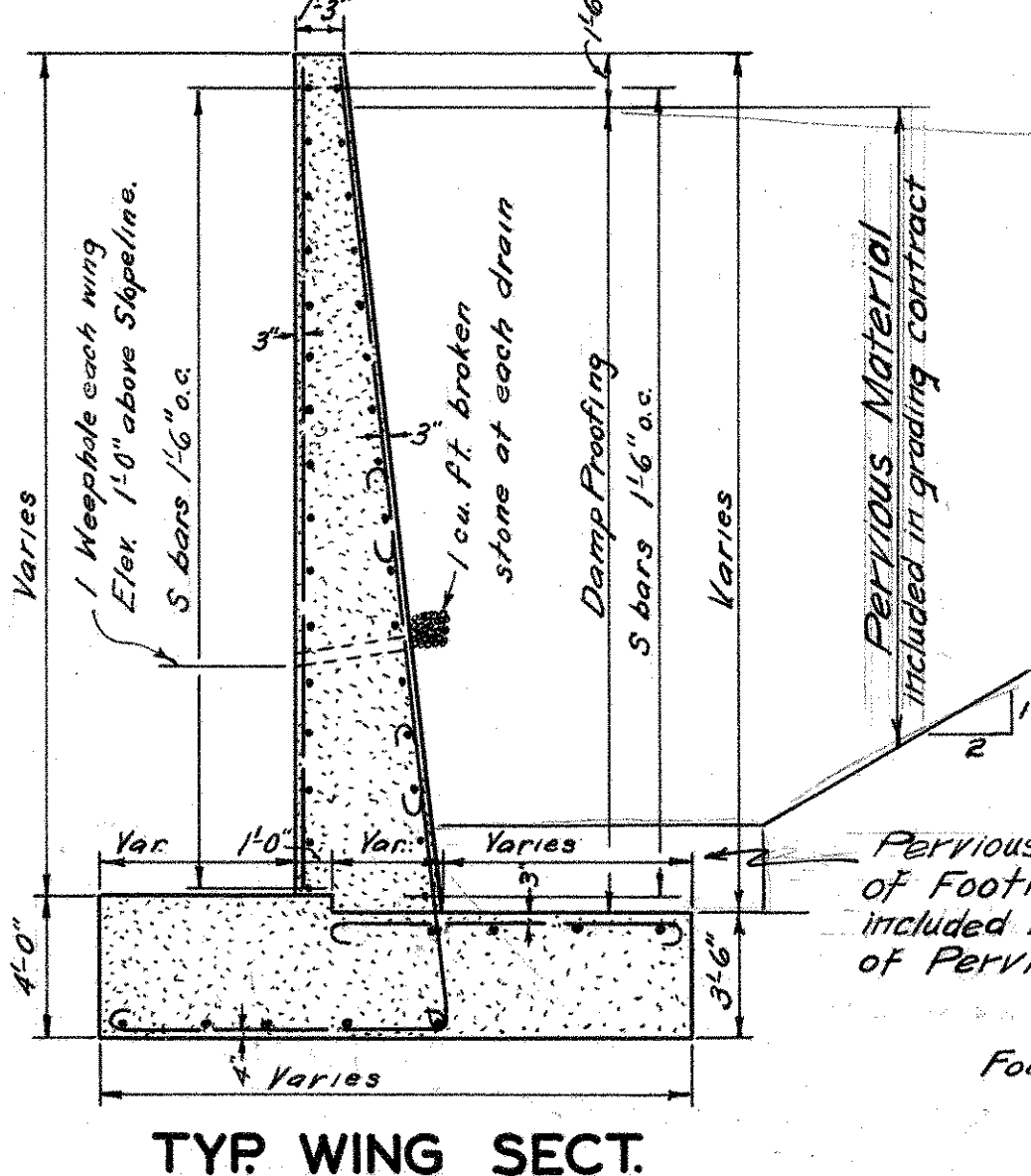
DESIGNED BY	H.E.J.	PROJECT NO.	53-63
MADE BY	T.S.R.	DATE	4/21/50
CHECKED BY	H.E.J.	DATE	4/24/50
APPROVED	J.D. Denny	DATE	5/10/50
BRIDGE SHEET NO.			3 of 5



PLAN SOUTHWEST WING

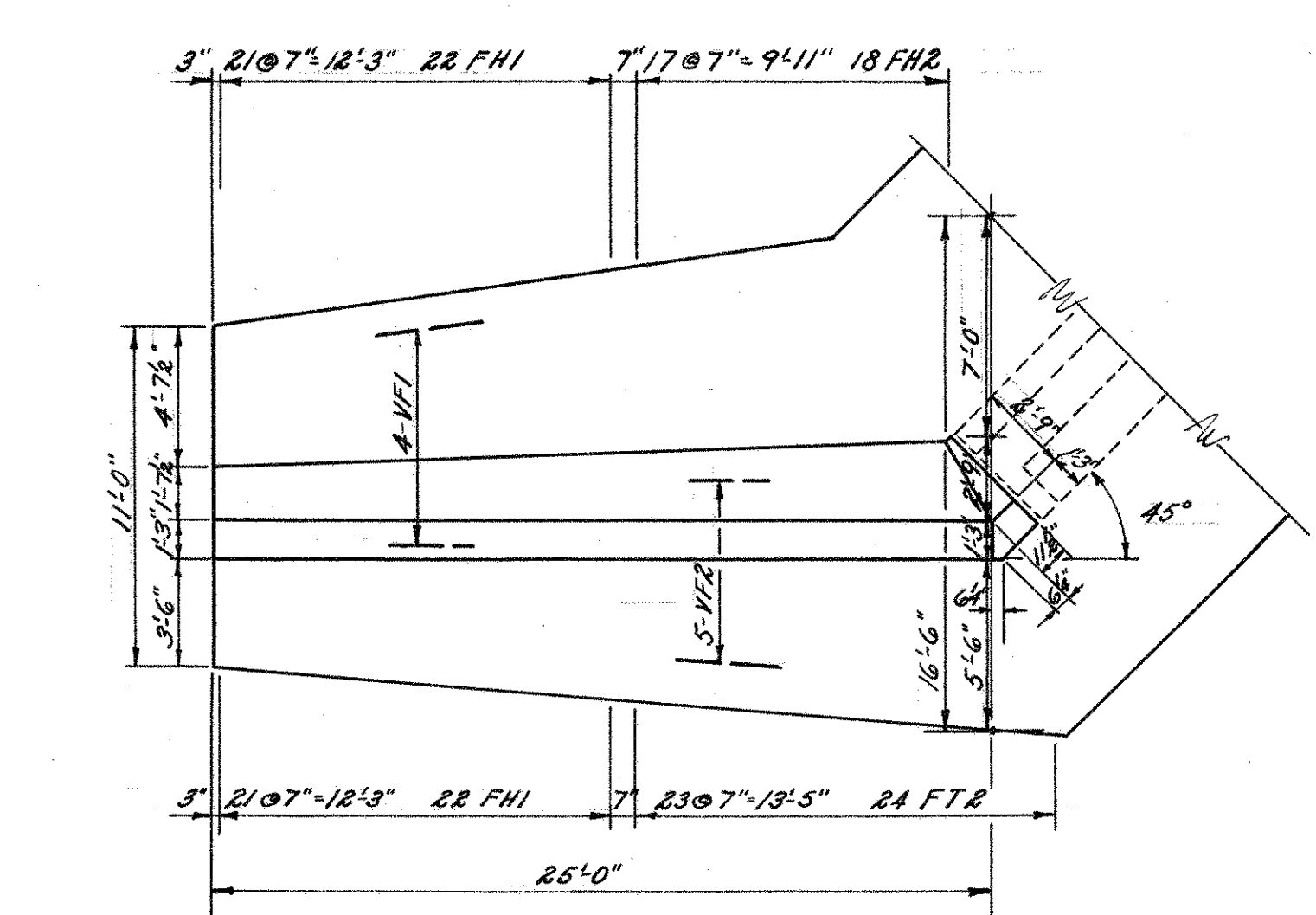


ELEVATION

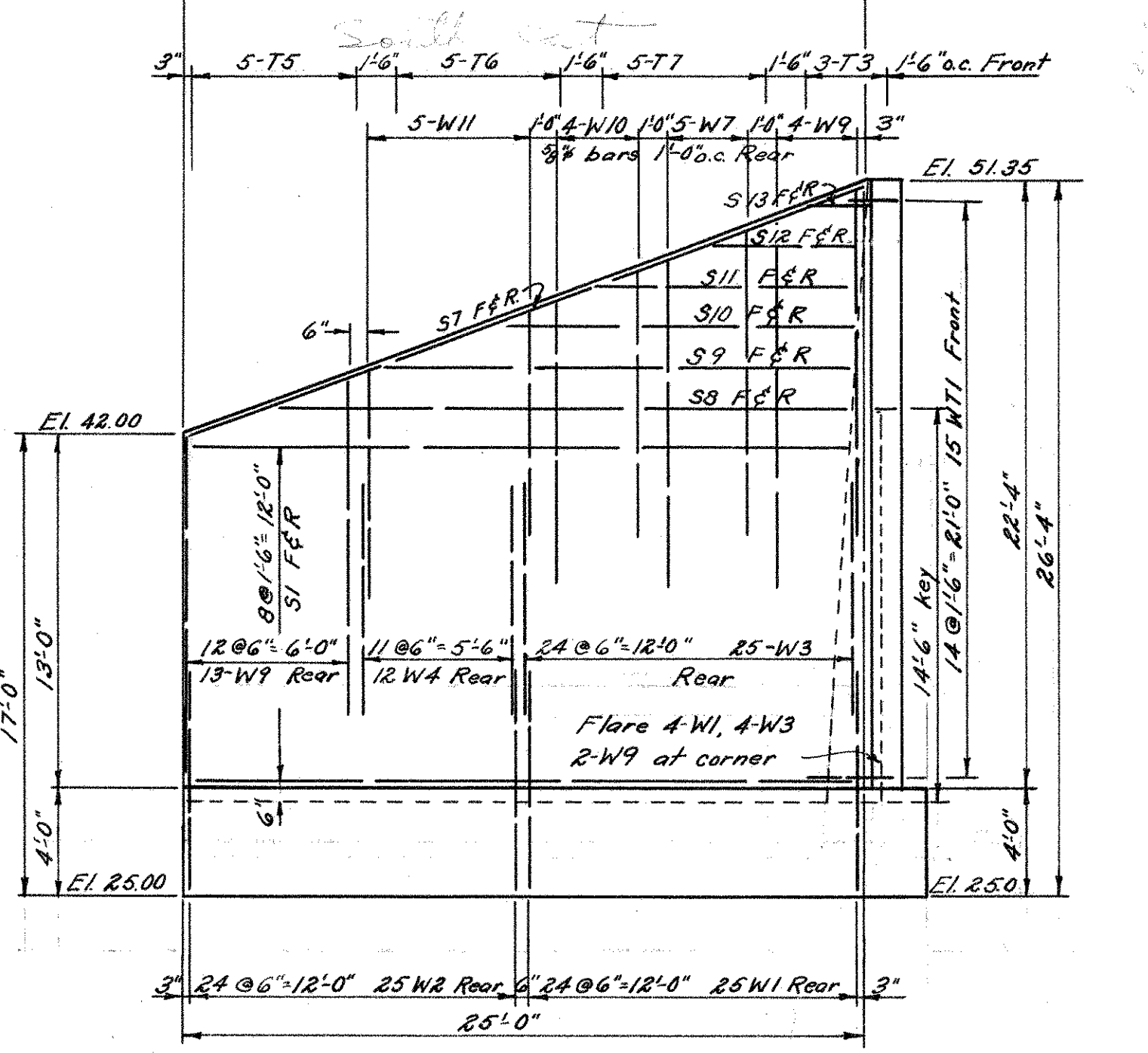


TYP WING SECT.

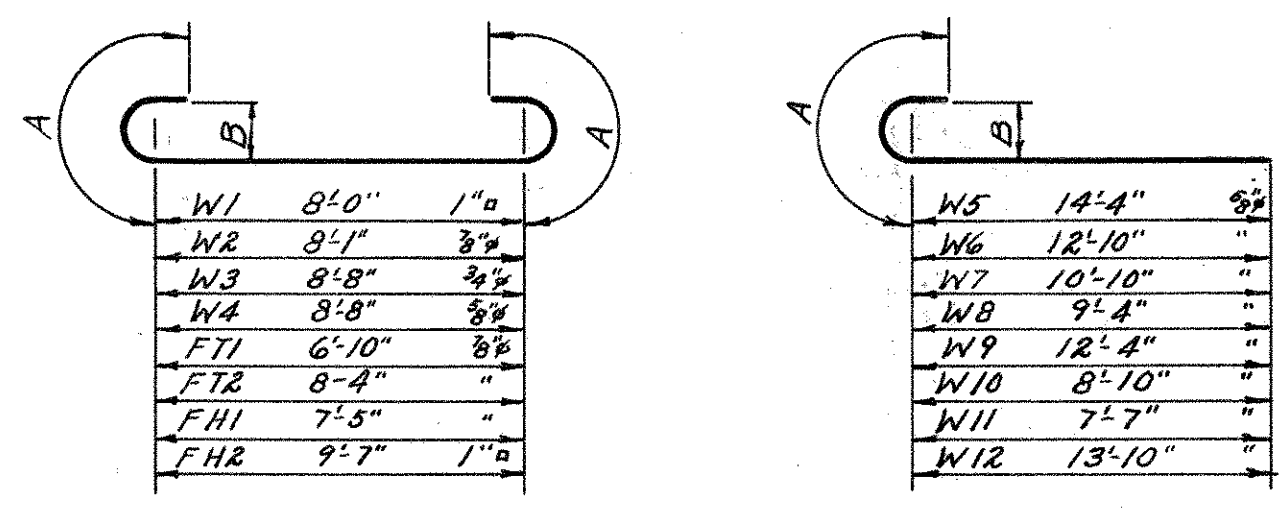
Foundation Pressure
 Max. 2 Tons
 Av. 1.5 Tons



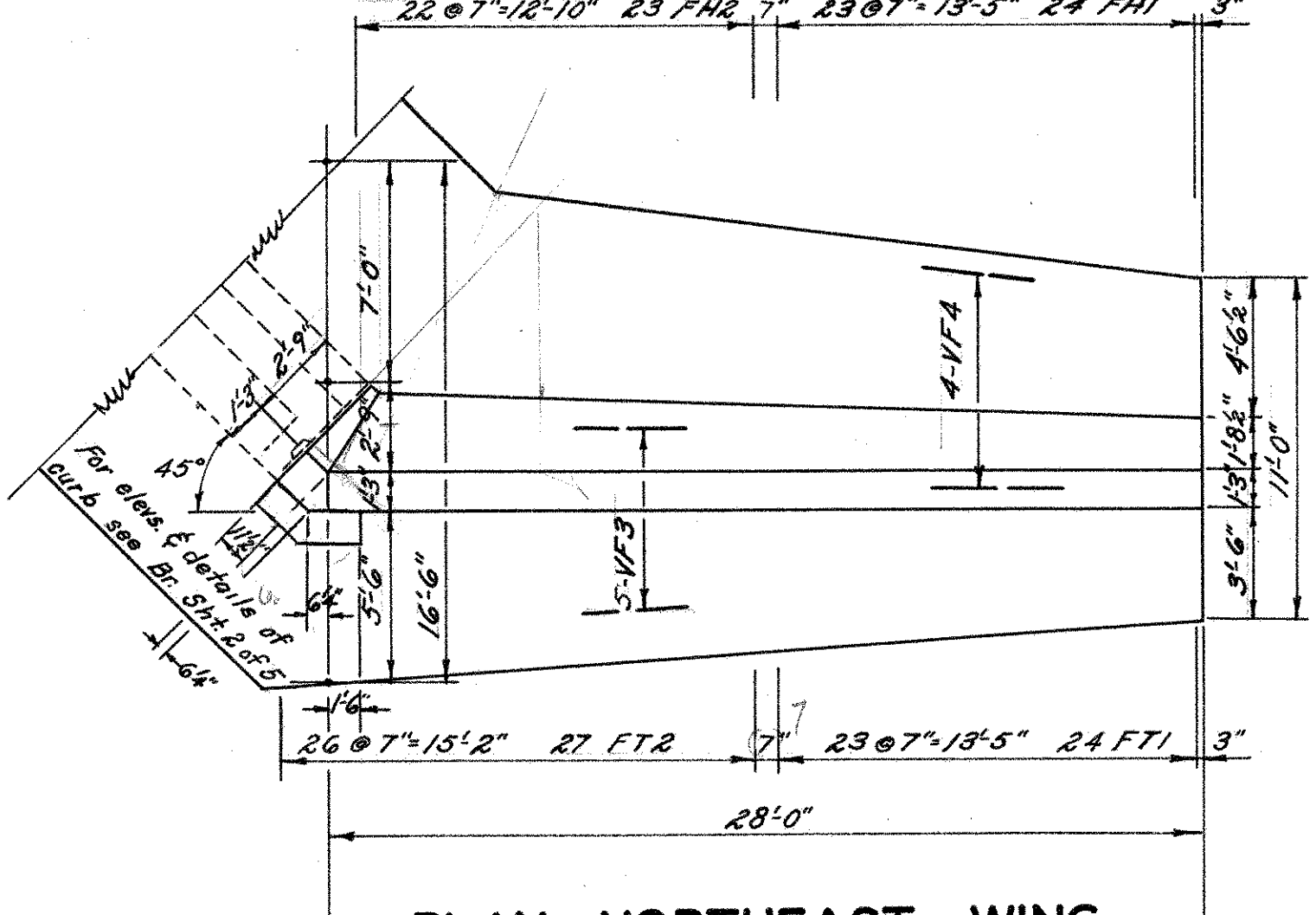
PLAN SOUTHEAST WING



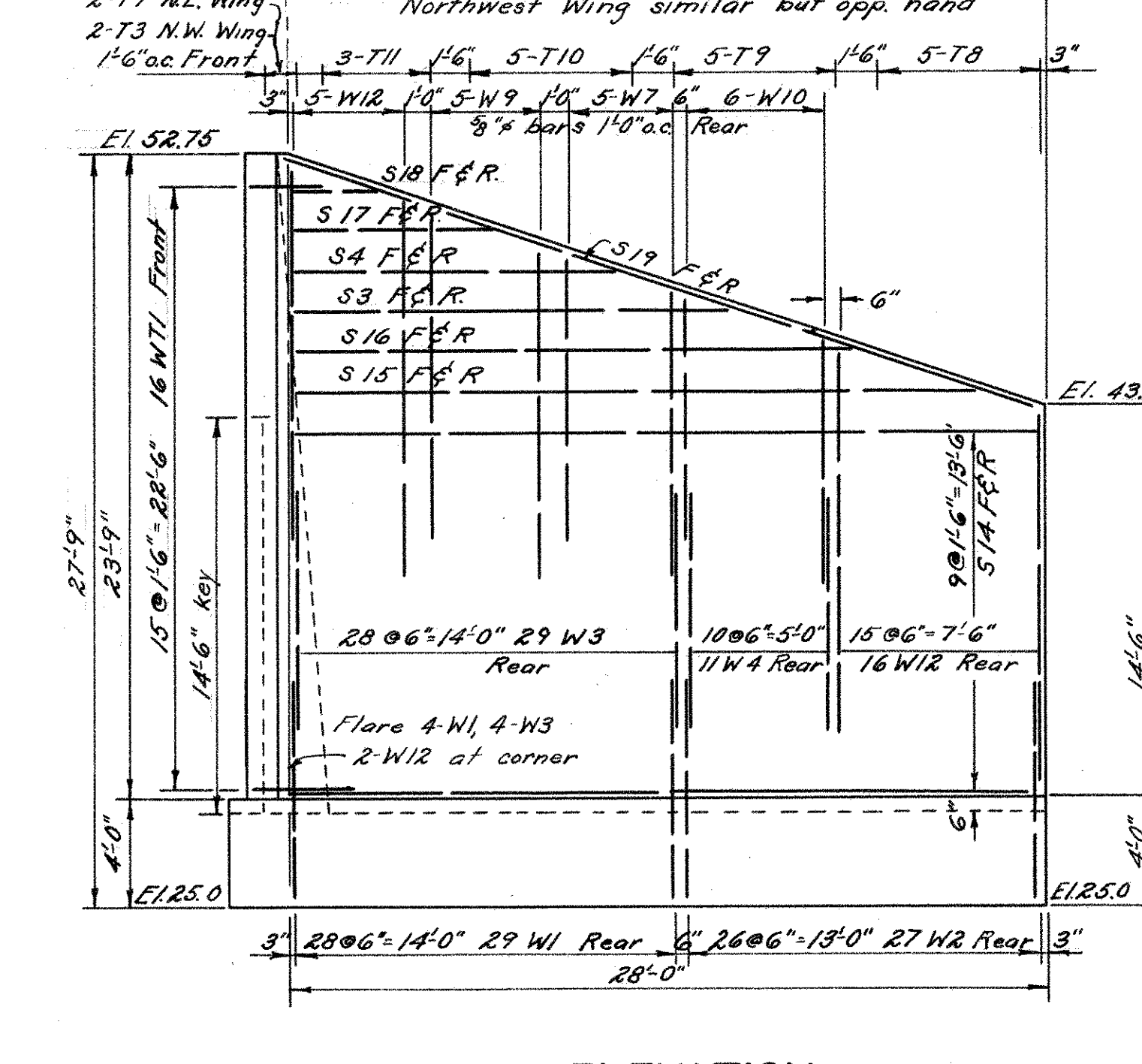
ELEVATION



BAR DETAILS



PLAN NORTHEAST WING



ELEVATION

BAR BILL					
Mark	No	Size	Length	Weight	Remarks
W1	109	7/8"	10'-8"	395.4	Detail
W2	103	3/4"	10'-5"	219.4	"
W3	109	3/4"	10'-8"	174.7	"
W4	45	3/4"	10'-4"	48.5	"
W5	17	"	15'-2"	26.9	"
W6	4	"	13'-8"	5.7	"
W7	19	"	11'-8"	23.1	"
W8	7	"	10'-2"	7.4	"
W9	27	"	13'-2"	37.1	"
W10	16	"	9'-8"	16.1	"
W11	5	"	8'-5"	4.4	"
W12	42	"	14'-8"	64.3	"
S1	40	3/8"	24'-6"	65.5	Straight
S2	2	"	20'-3"	2.7	"
S3	6	"	16'-0"	6.4	"
S4	6	"	12'-0"	4.8	"
S5	2	"	8'-0"	1.1	"
S6	2	"	4'-0"	.5	"
S7	4	"	26'-0"	6.9	"
S8	2	"	22'-6"	3.0	"
S9	2	"	18'-6"	2.5	"
S10	2	"	13'-6"	1.8	"
S11	2	"	10'-6"	1.4	"
S12	2	"	5'-6"	.7	"
S13	2	"	2'-6"	.3	"
S14	40	"	27'-6"	73.5	"
S15	4	"	25'-6"	6.8	"
S16	4	"	20'-9"	5.5	"
S17	4	"	7'-9"	2.1	"
S18	4	"	3'-0"	.8	"
S19	4	"	29'-0"	7.7	"
T1	5	"	14'-0"	5.0	"
T2	5	"	17'-6"	5.8	"
T3	10	"	20'-6"	13.7	"
T4	3	"	23'-3"	4.7	"
T5	5	"	12'-3"	4.1	"
T6	5	"	15'-3"	5.1	"
T7	7	"	18'-3"	8.5	"
T8	10	"	14'-0"	9.4	"
T9	10	"	16'-6"	11.0	"
T10	10	"	19'-0"	12.7	"
T11	6	"	21'-6"	8.6	"
WT1	63	"	3'-3"	13.7	Detail
FT1	92	3/8"	9'-2"	172.4	"
FH1	92	"	10'-8"	222.5	"
FH2	92	"	9'-9"	183.3	"
FH3	82	1"	12'-3"	341.5	"
VF1	8	2 1/2"	26'-0"	13.9	Straight
VF2	10	"	27'-6"	18.4	"
VF3	10	"	30'-6"	20.4	"
VF4	8	"	29'-0"	15.5	"
Total Weight					23,072

Fed. Aid. Proj. No 046(B)

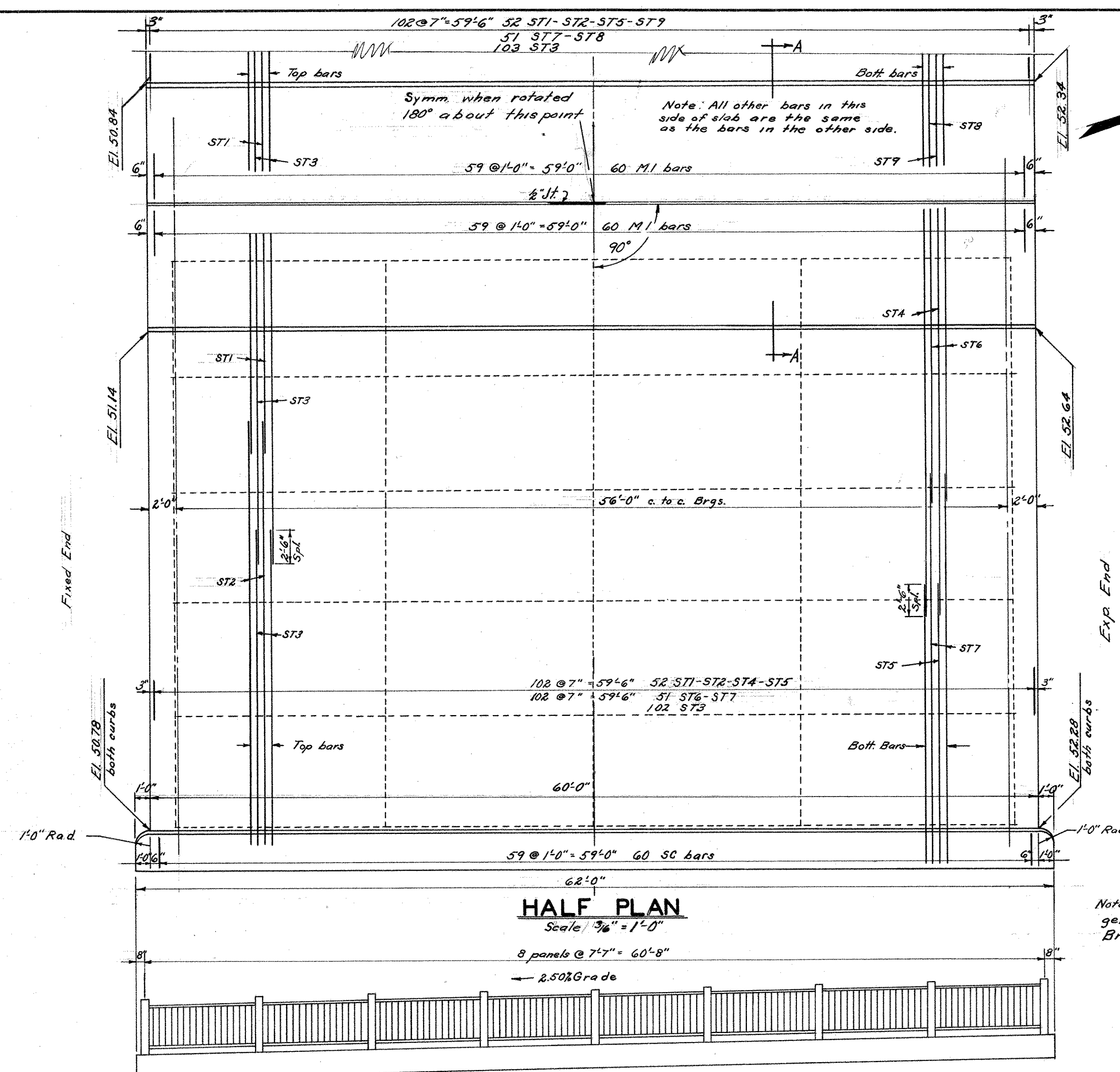
CONNECTICUT
 STATE HIGHWAY DEPARTMENT
 TOWN OF GLASTONBURY
 EAST HFD-GLASTONBURY EXP.
 BEAM BRIDGE OVER
 NEW LONDON TURNPIKE
 CONNECTION TO ROUTE 17
 WINGS

REVISIONS		
NO.	DATE	DESCRIPTION

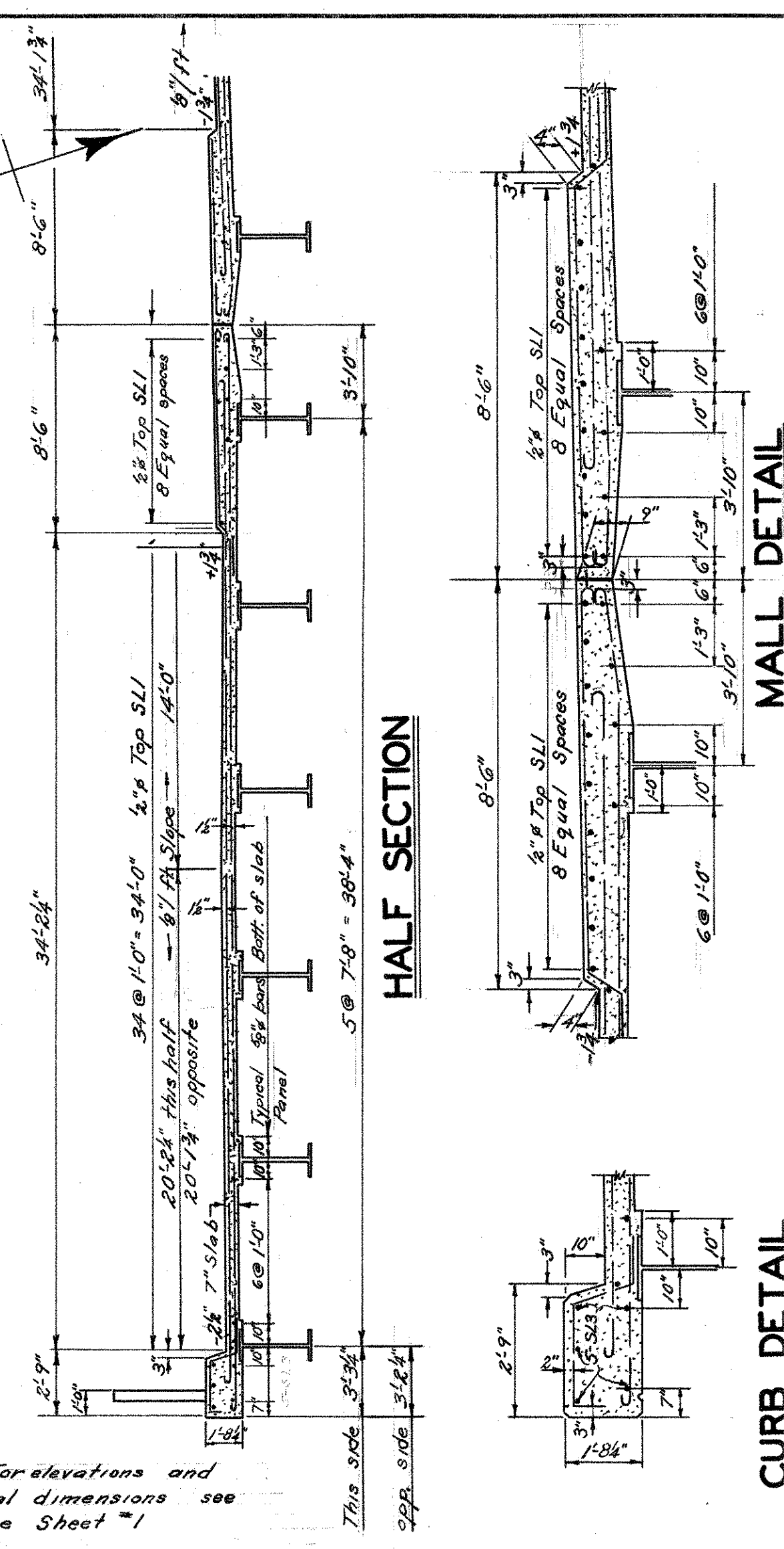
DESIGNED BY: H.E.J.
 SCALES: 3/8" = 1'-0"
 MADE BY: T.S.R. DATE: 3/21/50
 CHECKED BY: H.E.J. DATE: 5/2/50
 APPROVED: J.D. [Signature] DATE: 5/10/50

PROJECT NO. 53-63
 BRIDGE SHEET NO. 4 OF 5

161 04

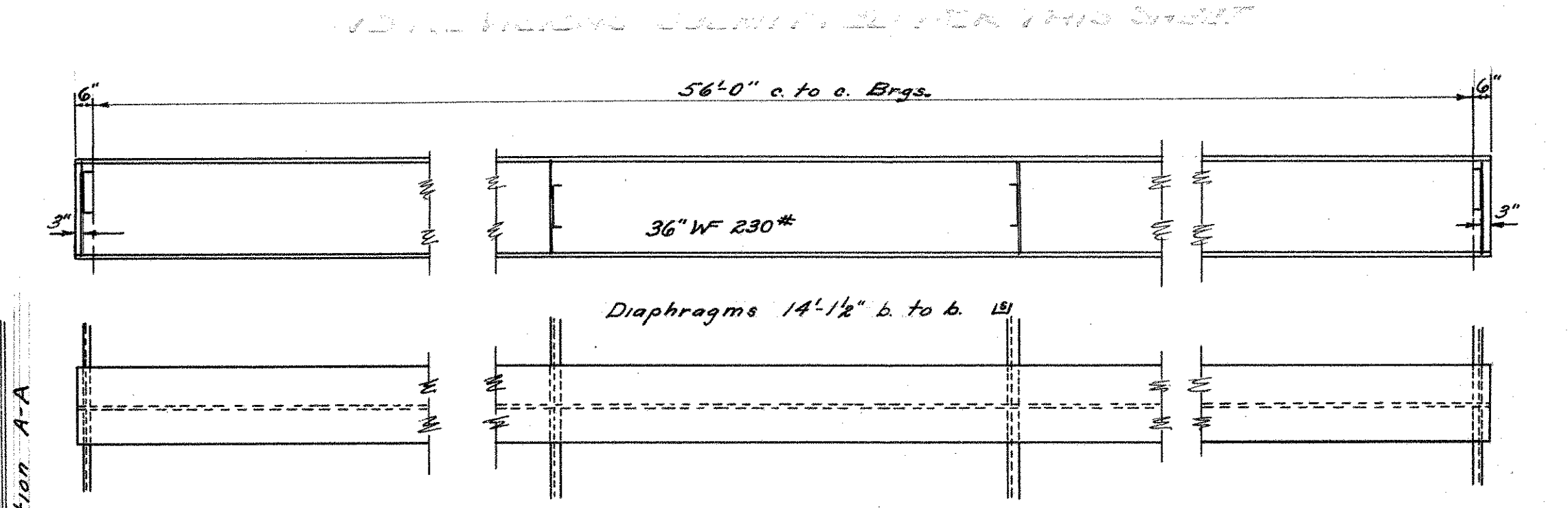


Note: For elevations and general dimensions see Bridge Sheet #1

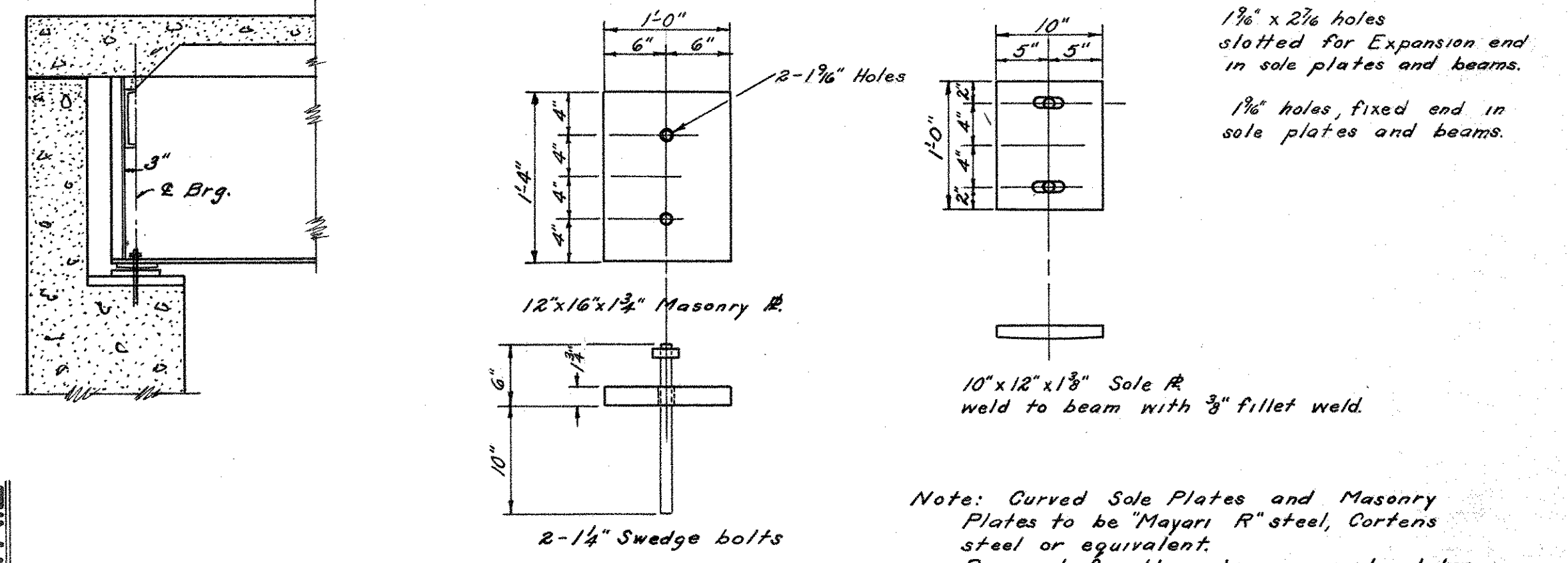


MALL DETAIL Section A-A

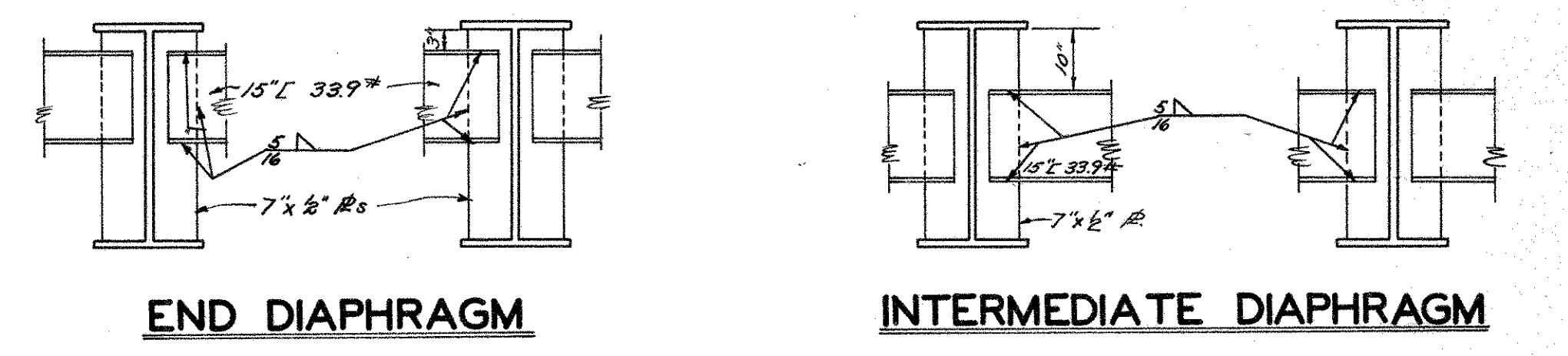
CURB DETAIL



Deflection due to dead load $\frac{5}{8}$ "
Min. camber likely to remain permanent
($\frac{1}{2}$) as per AISC Page 63 (1949)

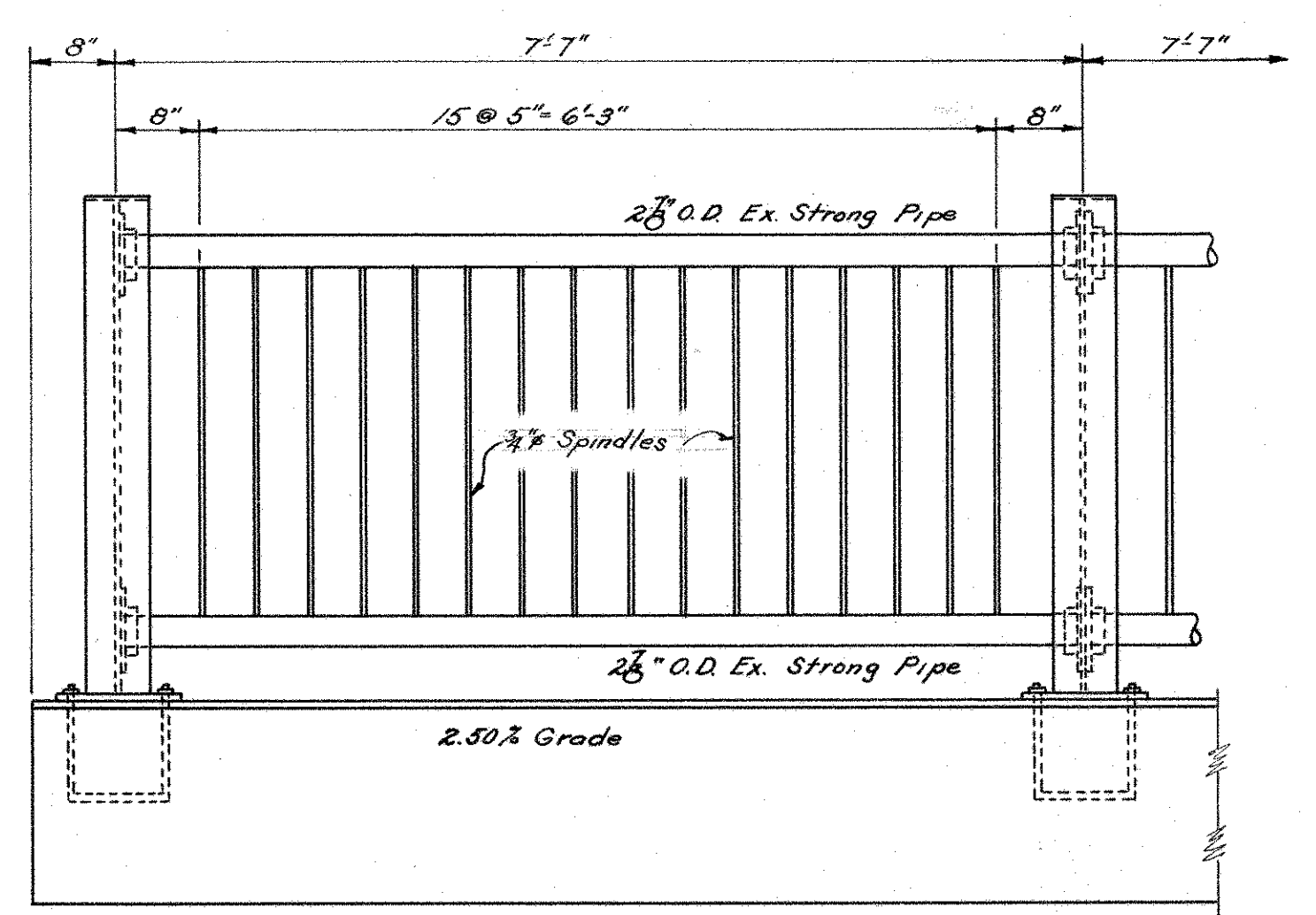


BEARING DETAILS Scale 1"=1'-0"

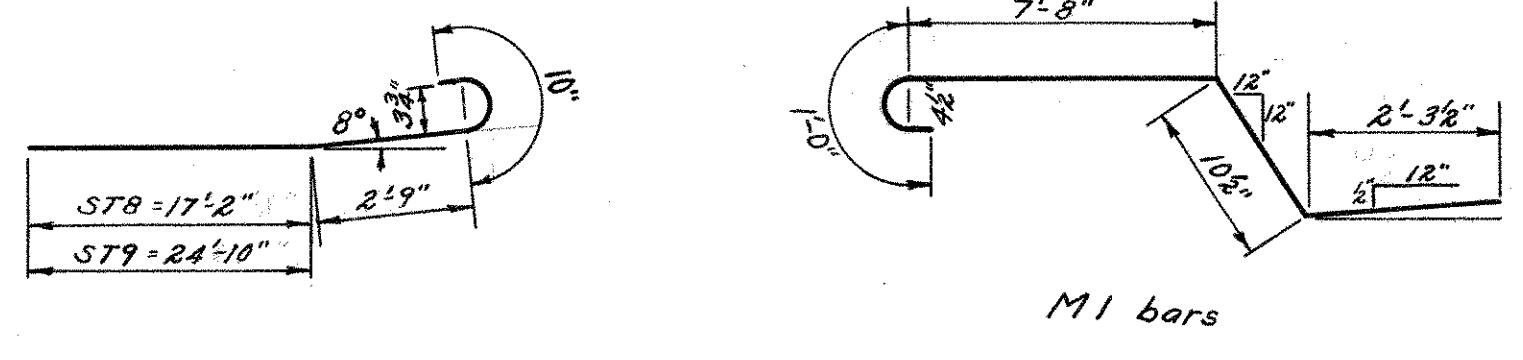
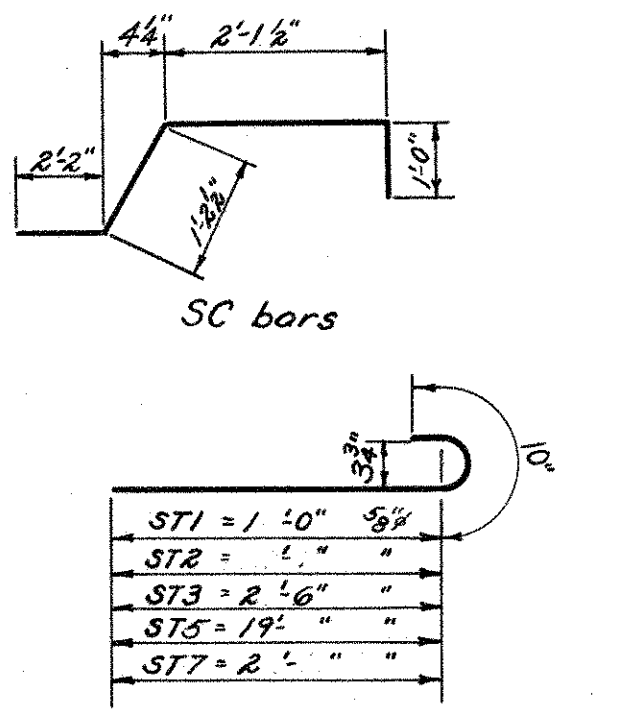
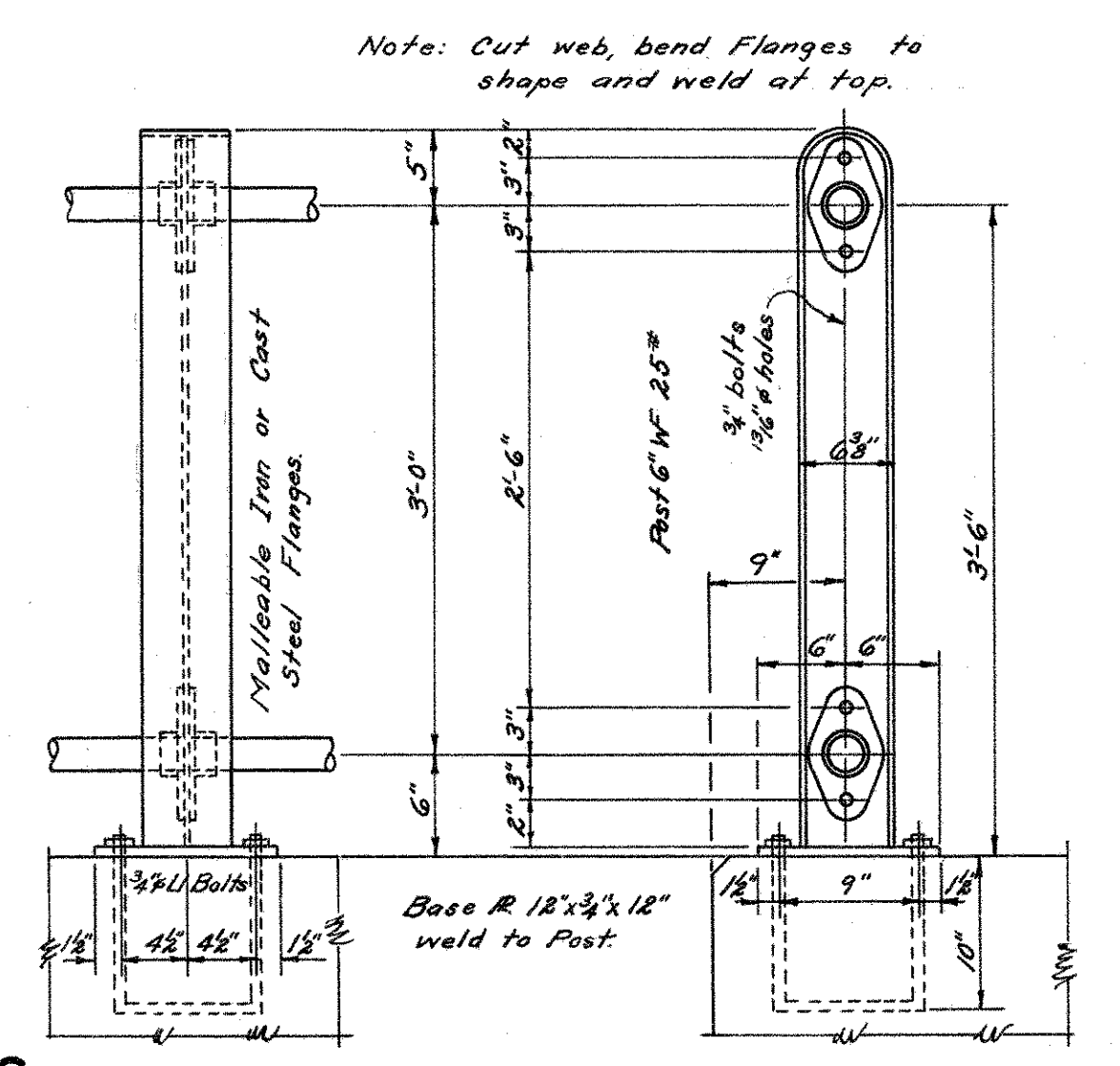


END DIAPHRAGM

INTERMEDIATE DIAPHRAGM



RAILING DETAILS Scales 3/4"=1'-0" 1"=1'-0"

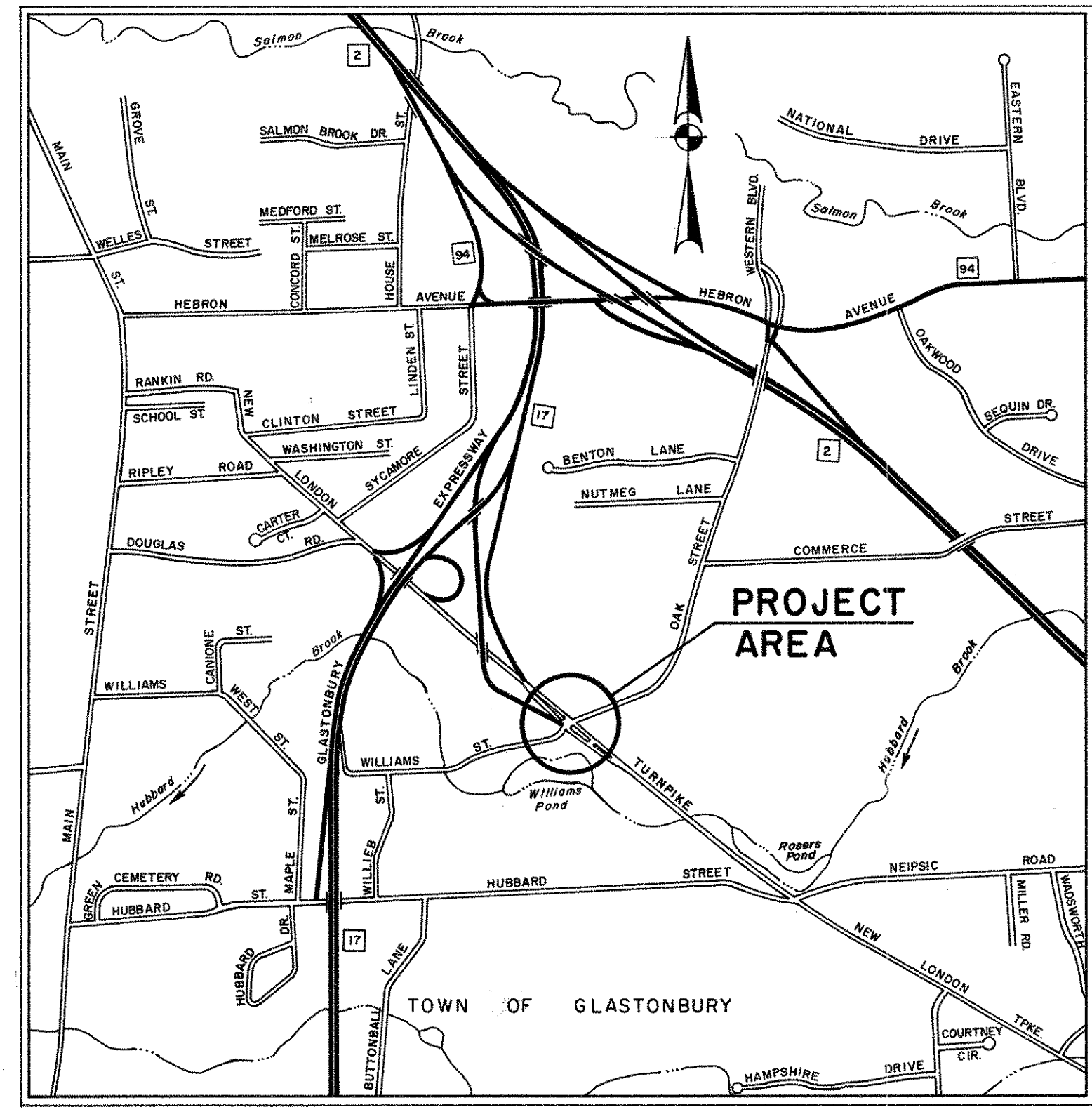


Mark No.	Size	Length	Weight	Remarks
ST1 104	5/8"	15'-10"	1717	Detail
ST2 104	"	30'-10"	3344	"
ST3 204	"	23'-4"	4964	"
ST4 52	"	23'-5"	1541	"
ST5 104	"	20'-4"	2205	"
ST6 51	"	20'-9"	1104	"
ST7 102	"	28'-0"	2979	"
ST8 51	"	20'-9"	1104	"
ST9 52	"	23'-5"	1541	"
SL1 176	2 1/2"	30'-9"	3615	Straight
SL2 152	3/8"	31'-0"	4915	"
SL3 20	3/8"	32'-3"	673	"
SC 180	3/8"	6'-6"	814	Detail
M1 180	3/8"	11'-10"	2132	"
Total Wt.				32,648

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT STATE HIGHWAY DEPARTMENT
TOWN OF GLASTONBURY
EAST HFD-GLASTONBURY EXP BEAM BRIDGE OVER
NEW LONDON TURNPIKE CONNECTION TO ROUTE 17
SLAB-STEEL & RAILING DETAILS

DESIGNED BY H.E.J.
SCALES as noted
MADE BY T.S.R. DATE 3/19/50
CHECKED BY H.E.J. DATE 4/29/50
APPROVED J. Deery DATE 5/10/50
PROJECT NO. 53-63
BRIDGE SHEET NO. 5 OF 5



LOCATION PLAN
SCALE: 1" = 1000'

CONNECTICUT DEPARTMENT OF TRANSPORTATION

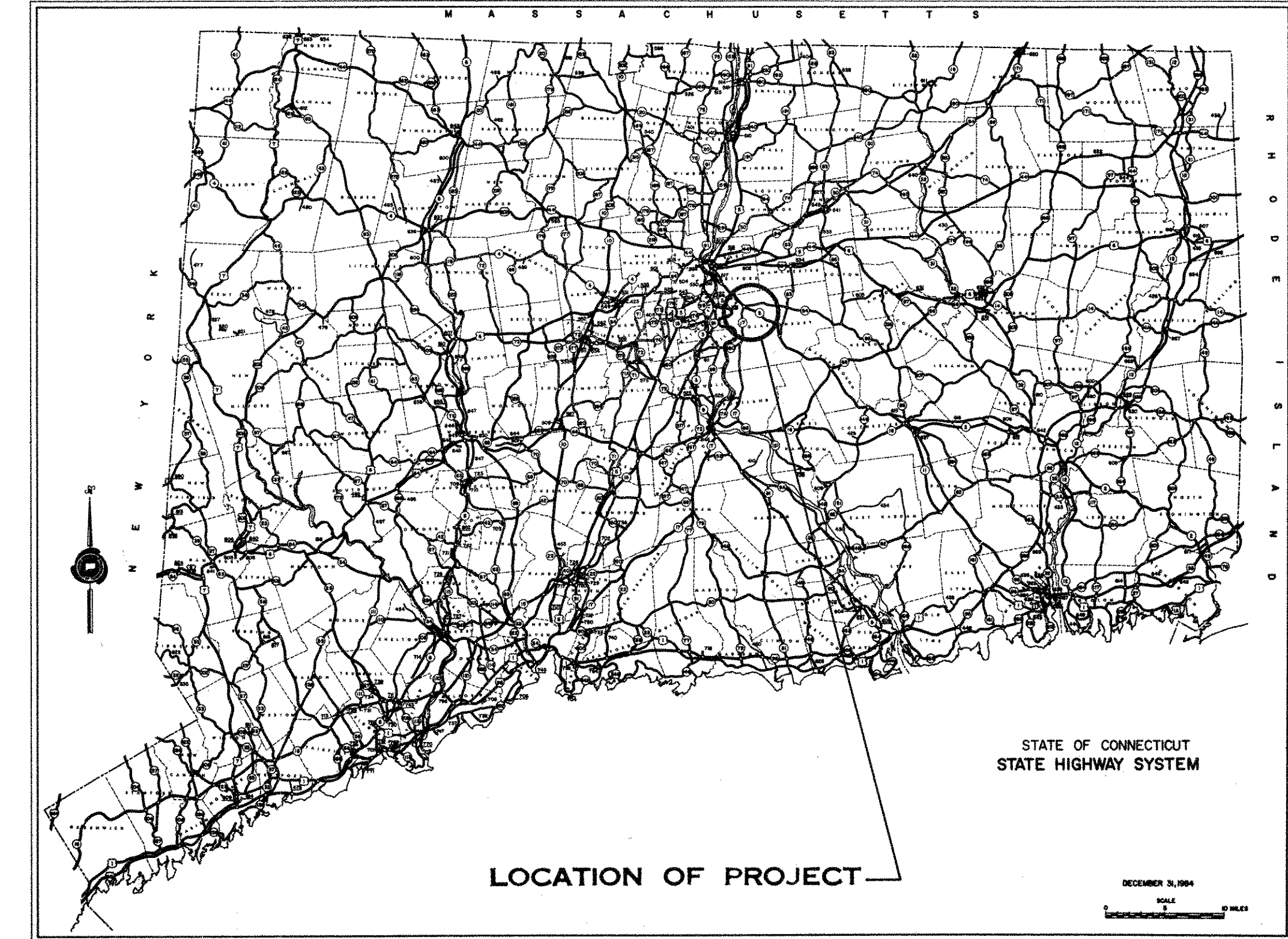
PLAN FOR NEW LONDON TURNPIKE ISLAND MODIFICATION IN THE TOWN OF GLASTONBURY

FROM STA. 22+15.00 TO STA. 36+70.00

LENGTH 1,455.00 FT.

DESIGN SCALES { PLAN 1 IN. = 40 FT.
PROFILE HOR. 1 IN. = 40 FT. VERT. 1 IN. = 4 FT.
CROSS SECTIONS 1 IN. = 5 FT.

**OTHER SCALES AS NOTED
TO BE MAINTAINED BY THE TOWN**



LOCATION OF PROJECT

1988 SPECIFICATIONS, FORM NO. 814 INCLUDING SUPPLEMENT THERETO DATED JULY, 1993 GOVERN ALL ELEVATIONS ON THIS PROJECT ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929. (MEAN SEA LEVEL)

**TOWN NO. 53
PROJECT NO. 160**

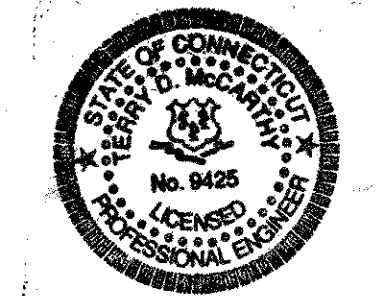
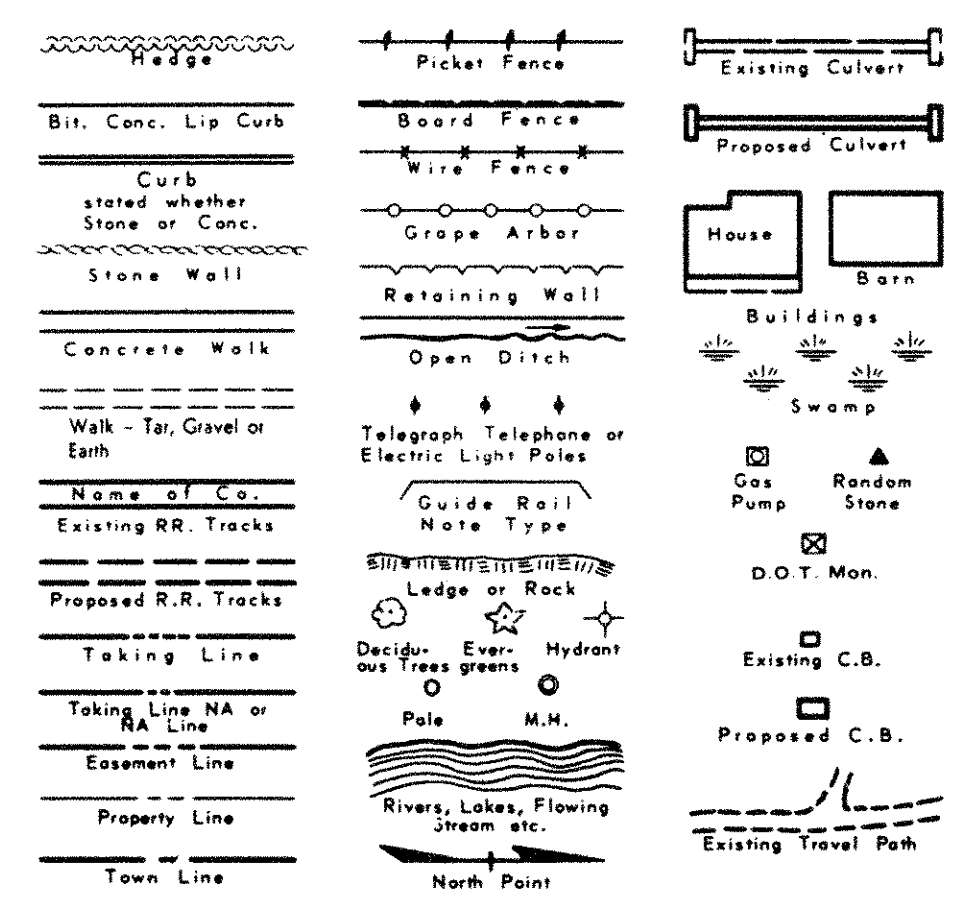
LIST OF DRAWINGS

SHEET NO.	TITLE	DRAWING NO.	STANDARD DRAWINGS	DATE
1	TITLE SHEET	507-A	MANHOLE, FRAME AND COVER	9/10/90
2-3	DETAILED ESTIMATE SHEETS	507-H	PRECAST CONC. CATCH BASIN TYPE "C" OR "C-L"	12/3/90
4	TYPICAL ROADWAY DETAILS	507-I	TYPE "C" CATCH BASIN	12/3/90
		507-K	CATCH BASIN FRAME AND GRATE	8/1/91
5	MISCELLANEOUS DETAILS	910-A	METAL BEAM RAIL (TYPE R-B) & (TYPE MD-B)	3/16/79
6-8	40 SCALE PLAN / PROFILE SHEETS	911-F	END ANCHORAGE TYPE II, METAL BEAM RAIL	
9	PAVEMENT MARKING AND SIGNING		TYPES R-I, MD-I AND R-B	
10	TRAFFIC CONTROL SIGNAL	921-A	SIDEWALK AND DRIVES	9/18/91
11-18	CROSS SECTIONS (NEW LONDON TURNPIKE)	925-A	PAVEMENT FOR RAILING	9/18/91
19-23	CROSS SECTIONS (OFF RAMP)	930	OBJECT MARKER	8/1/91
24-27	CROSS SECTIONS (OAK STREET)			
28-38	SIGNAL AND PAVEMENT MARKING DETAILS			
AI - A3	SOUTHERN NEW ENGLAND TELEPHONE CO.			
BI - B3	CONNECTICUT NATURAL GAS CO.			

NOTE:
I. THESE PLANS HAVE BEEN PREPARED BY MAGUIRE GROUP INC. EXCEPT FOR PLANS DESIGNATED AS "UTILITY PLANS," "STANDARD DRAWINGS" AND SHEET NO'S. A1-A2 AND B1 WHICH PLANS HAVE BEEN PREPARED BY OTHERS. THE UNDERSIGNED HEREBY DISCLAIMS ALL RESPONSIBILITY FOR THE ACCURACY OF DATA SHOWN ON THE ABOVE MENTIONED PLANS, EXCEPT THAT HE HAS REVIEWED THEM FOR GENERAL COORDINATION WITH PLANS PREPARED BY HIM.

CONSTRUCTION STARTED 4-19-94
CONSTRUCTION COMPLETED 4-28-95

STANDARD CONVENTIONS



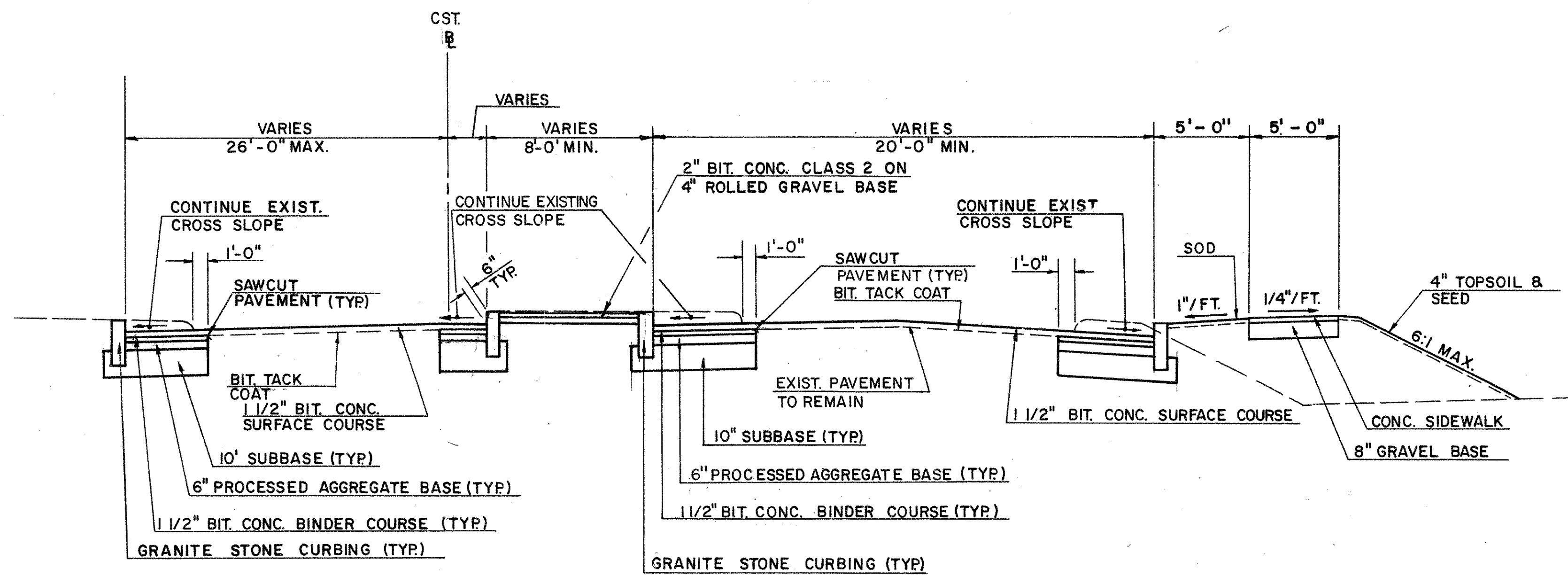
DESIGNED BY:
MAGUIRE GROUP CT. INC.

SIGNATURE Robert D. McCarthy
CONN. PROF. ENG. NO. 9425

SUBMITTED July 30, 1993

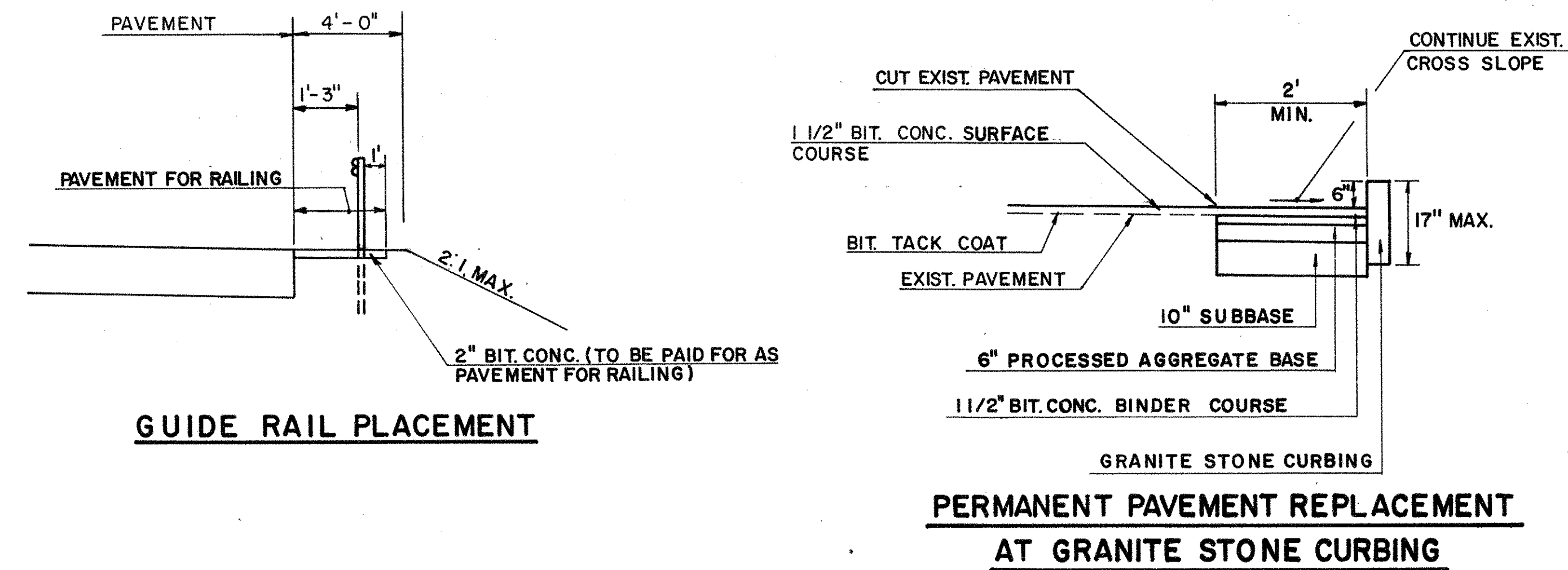
APPROVAL RECOMMENDED August 4 1993
Charles L. Hamlin Engineering Dept.

APPROVED Robert D. McCarthy 1993
John J. Ham Town Manager



TYPICAL ROADWAY SECTION

NEW LONDON TURNPIKE
STA. 22+15 TO STA. 29+50



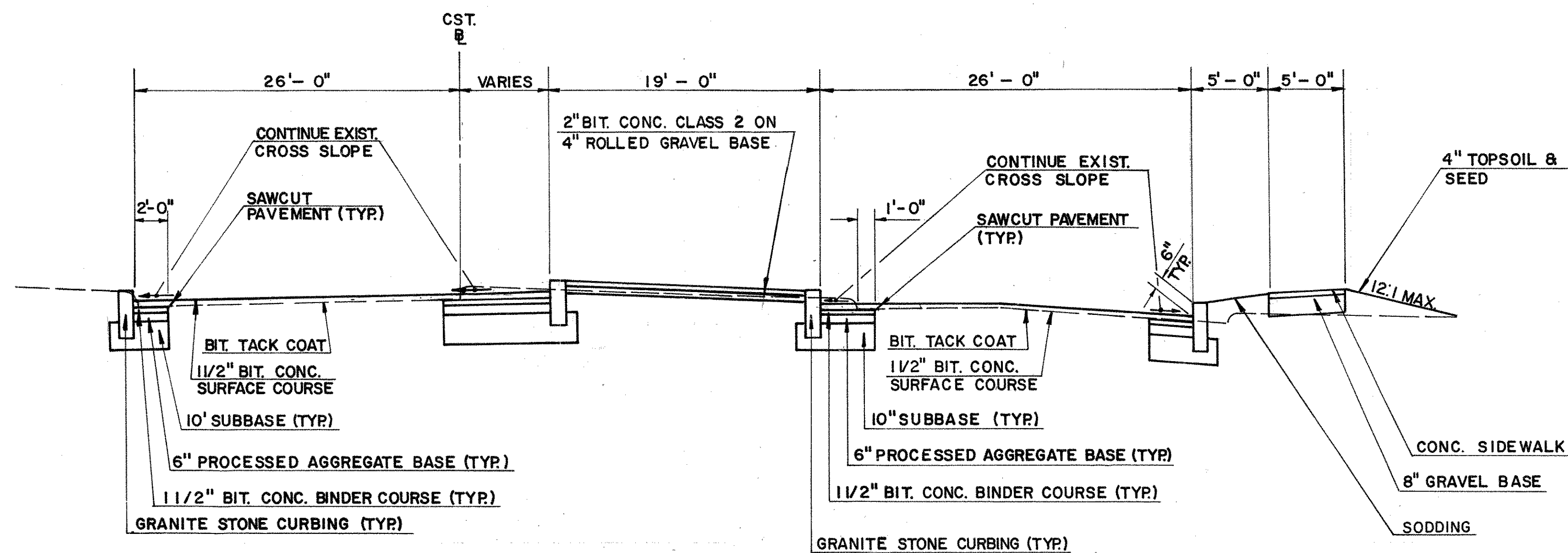
GUIDE RAIL PLACEMENT

**PERMANENT PAVEMENT REPLACEMENT
AT GRANITE STONE CURBING**

BY	DATE

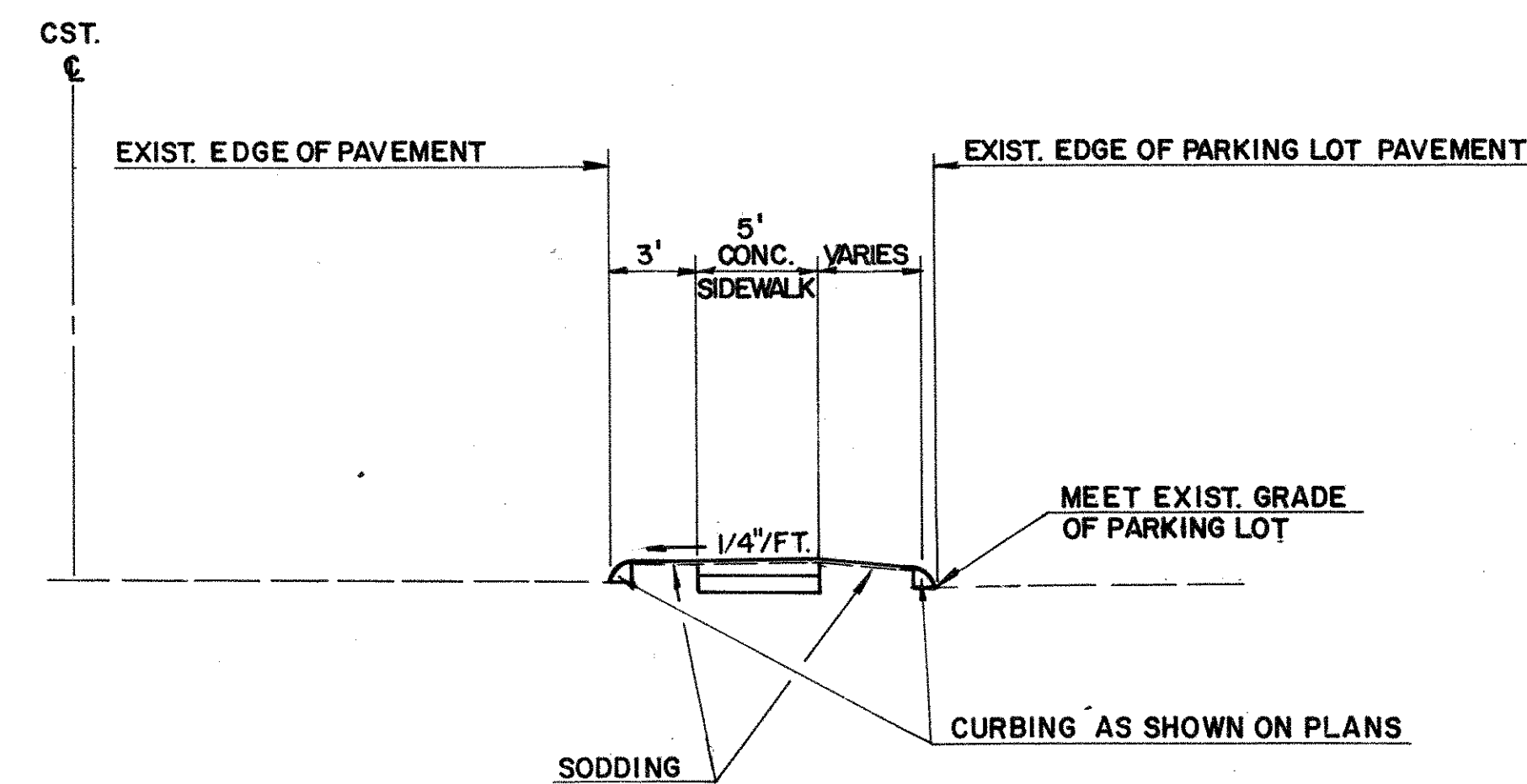
ORIGINAL SURVEY
SURVEYED
DATE
TECHNICAL
AREAS CHECKED
NO.

REV.	MADE BY	CHKD. BY	DESCRIPTION



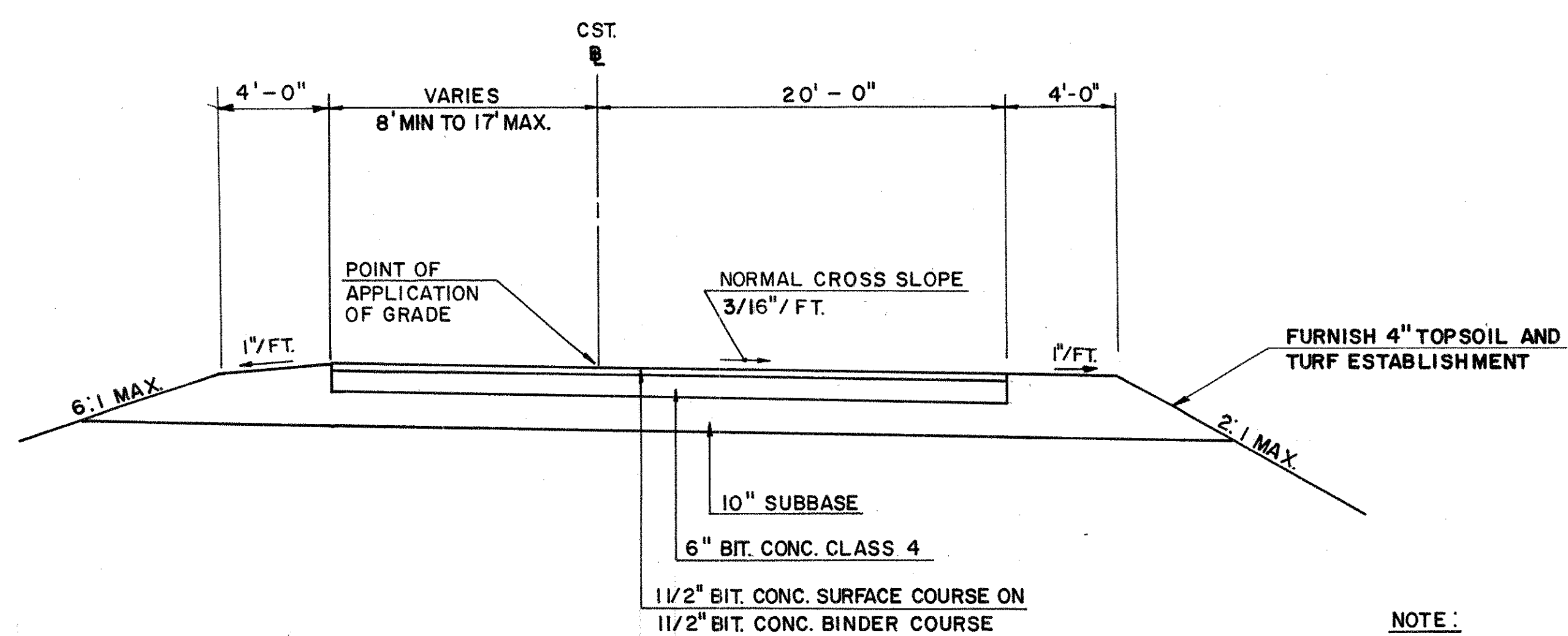
TYPICAL ROADWAY SECTION

NEW LONDON TURNPIKE
AT STA. 32+00



TYPICAL ROADWAY SECTION

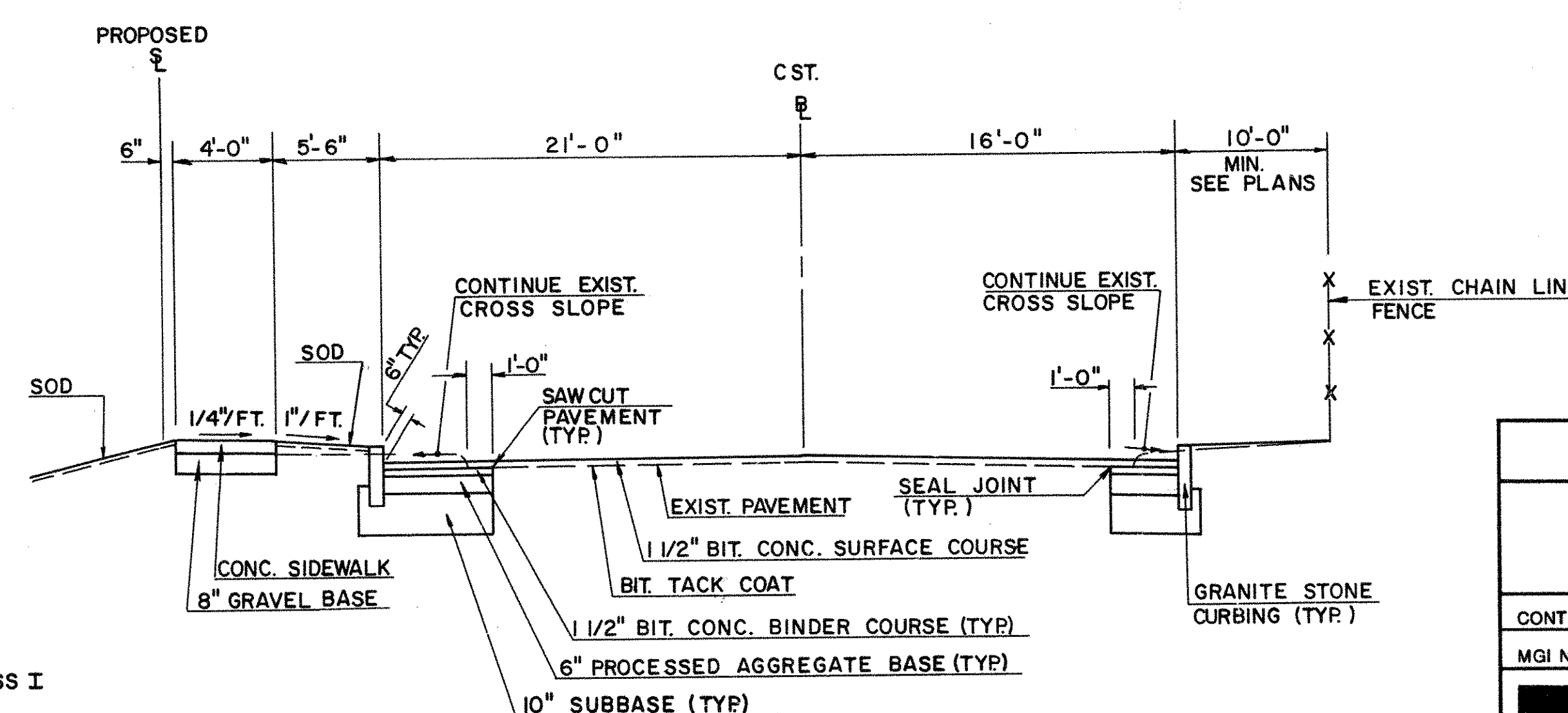
NEW LONDON TURNPIKE
STA. 31+00 TO STA. 35+00



TYPICAL OFF RAMP SECTION

NORMAL AND BANKED SECTION
STA. 10+00 TO STA. 16+90


NOTE:
BIT. CONC. PAVEMENT TO BE CLASS I



TYPICAL ROADWAY SECTION

OAK STREET
STA. 10+00 TO STA. 14+00

THIS SHEET NOT CORRECTED

TOWN OF GLASTONBURY	
NEW LONDON TURNPIKE ISLAND MODIFICATION TYPICAL ROADWAY DETAILS	
CONTRACT NO.: PW-8021	SCALE: NOT TO SCALE
MGI NO.: 12659	DATE:
	Maguire Group Inc. Engineers • Planners One Court Street New Britain, Connecticut 06051

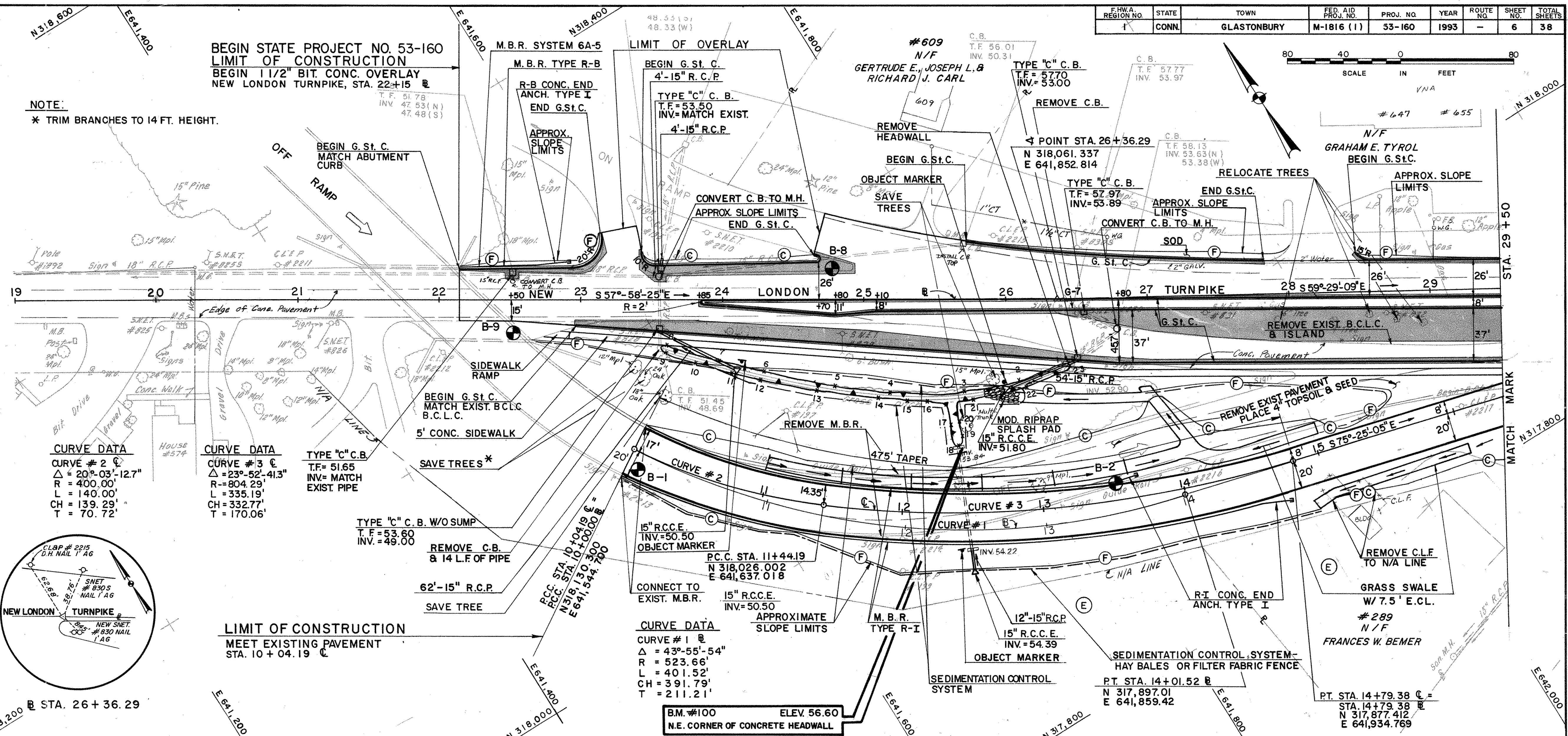
LIST OF ABBREVIATIONS:

- B.C.L.C. - BITUMINOUS CONCRETE LIP CURBING
- C.L.F. - CHAIN LINK FENCE
- CONC. - CONCRETE
- E.C.L. - EROSION CONTROL LINING
- G. St. C. GRANITE STONE CURBING
- M.B.R. - METAL BEAM RAIL
- N/A - NON-ACCESS LINE
- R.C.P. - REINFORCED CONCRETE PIPE
- B-O - SOIL BORING LOCATION
- - FULL DEPTH PAVEMENT RECONSTRUCTION

SCHEDULE OF RIGHTS:

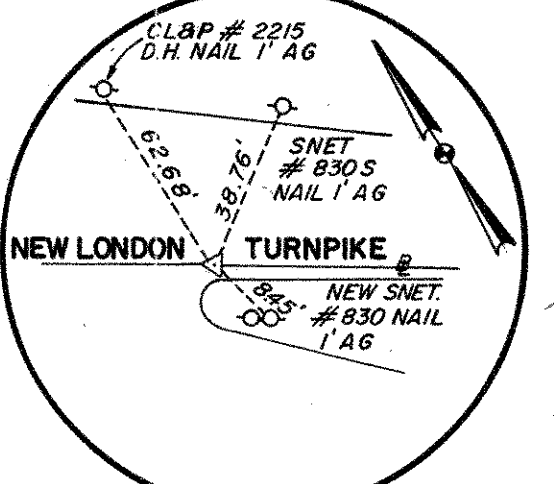
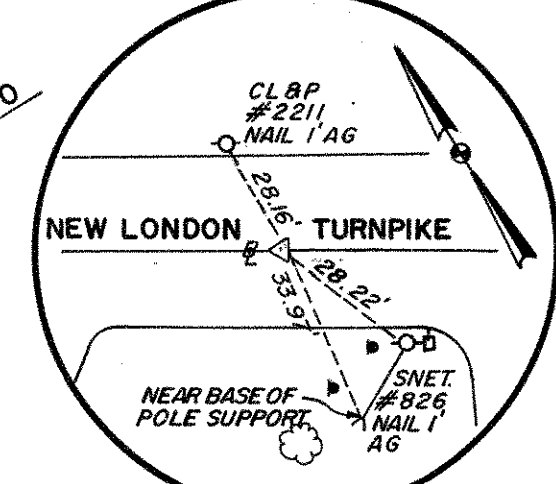
- (A) RIGHT TO CONSTRUCT DRIVEWAY REQUIRED.
- (B) RIGHT TO CONSTRUCT SIDEWALK REQUIRED.
- (C) RIGHT TO GRADE AND REMOVE, USE OR RETAIN EXCAVATED MATERIAL REQUIRED.
- (D) RIGHT TO REMOVE AND RESET CHAIN LINK FENCE REQUIRED.
- (E) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED.

NOTE:
* TRIM BRANCHES TO 14 FT. HEIGHT.



CURVE DATA
CURVE # 2
Δ = 20°-03'-12.7"
R = 400.00'
L = 140.00'
CH = 139.29'
T = 70.72'

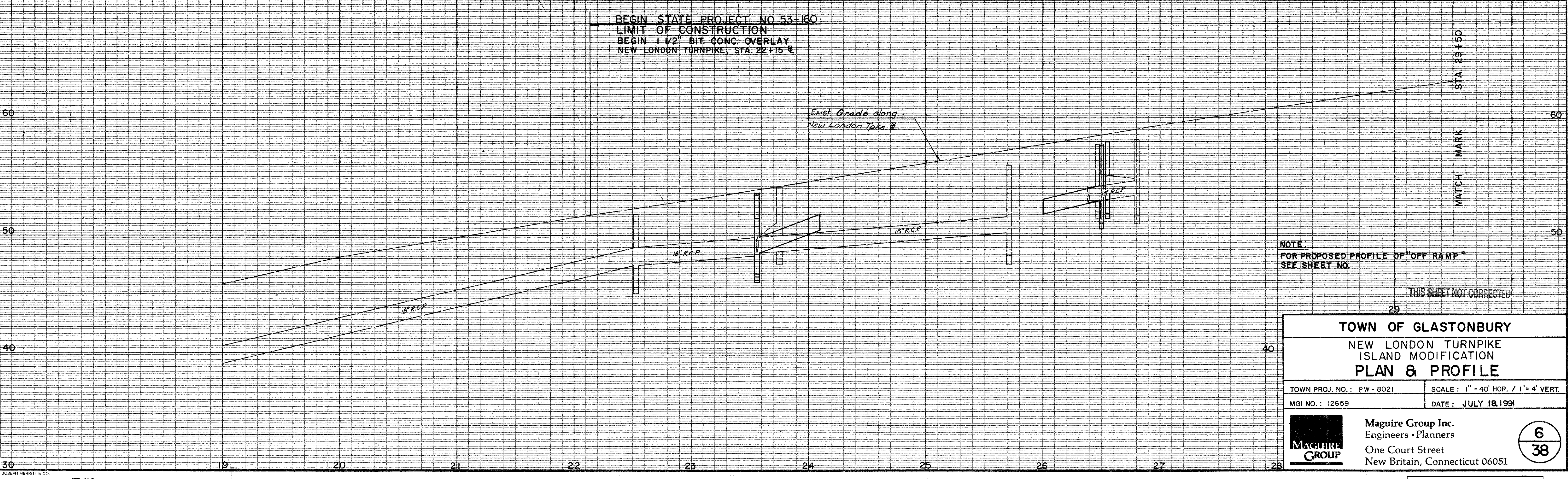
CURVE DATA
CURVE # 3
Δ = 23°-52'-41.3"
R = 804.29'
L = 335.19'
CH = 332.77'
T = 170.06'



BY	DATE

DRAWN BY: *W.B.*
DESIGNED BY: *F.B.*
CHKD. BY: *G.C.C.*

REV.	MADE BY	CHKD. BY	DESCRIPTION



NOTE:
FOR PROPOSED PROFILE OF "OFF RAMP"
SEE SHEET NO. 29

THIS SHEET NOT CORRECTED

29

TOWN OF GLASTONBURY
NEW LONDON TURNPIKE
ISLAND MODIFICATION
PLAN & PROFILE

TOWN PROJ. NO.: PW-8021	SCALE: 1" = 40' HOR. / 1" = 4' VERT.
MGI NO.: 12659	DATE: JULY 18, 1991

Maguire Group Inc.
Engineers • Planners
One Court Street
New Britain, Connecticut 06051

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FOR INFORMATION ONLY