

NEW YORK STATE THRUWAY AUTHORITY
PLANS FOR CONSTRUCTING A PORTION OF THE
NEW YORK STATE THRUWAY
MOHAWK SECTION—SUBDIVISION 10-A
(Burch Creek to One Mile East of East Schuyler)

From Station 2352+00 near Burch Creek to Station 2591+00, one mile east of East Schuyler, a length of 4.49 miles in the Town of Schuyler
CONTRACT No. M.T. 52-7

AND FOR RECONSTRUCTING A PORTION OF THE
EAST SCHUYLER-DEERFIELD
STATE HIGHWAY No. 457
Between Station 137+37.92 and Station 174+10, a length of 0.69 mile in the Town of Schuyler
CONTRACT No. R.C. 52-37

AND FOR CONSTRUCTING A PORTION OF
COUNTY ROAD No. 11
From Station C9+35.61 to Station C30+77.25, a length of 0.41 mile in the Town of Schuyler
AND A PORTION OF
COUNTY ROAD No. 53
From Station SE7+95 to Station SE 30+89.53, a length of 0.43 mile in the Town of Schuyler

AND A PORTION OF
COUNTY ROAD No. 211
From Station G50+85 to Station GN2+05, a length of 0.06 mile in the Town of Schuyler

AND
ACCESS ROADS "J" and "H"
A length of 0.43 mile in the Town of Schuyler
A TOTAL LENGTH OF 1.33 MILES
TOTAL LENGTH OF CONTRACT 6.51 MILES
HERKIMER COUNTY

CONTRACT No. S.T. 52-11

90 SHEETS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	1	90
NEW YORK STATE THRUWAY—MOHAWK SECTION SUBDIVISION 10-A						

TYPE OF CONSTRUCTION

Reinforced Cement Concrete Pavement 5.18 miles
Asphalt Concrete, Type 1-A, Optional 1.33 miles
including

Highway Separation Structure (Rt. 53) I-Beam (Alpha), 2 spans @ 94'-5" each and 2 spans @ 64'-5" each

Bridge (Sterling Creek) I-Beam (Alpha), 78'-81" span

Highway Separation Structure (Co. Rd. No. 11) I-beam (Alpha), 2 spans @ 86'-92" each and 2 spans @ 51'-81" each

Highway Separation Structure (Co. Rd. No. 53) I-Beam 32'-3" span, C to C bearings

Highway Separation Structure (Co. Rd. No. 211) I-Beam 35'-0" span, C to C bearings

Twin Box Culvert (Bridenbaker Creek) 2 spans 13'-0" each

STANDARD STRUCTURE SHEETS

39-9, 46-4, 49-65, 49-7, 49-43, 50-1R, 50-17, 50-17A, 50-34, 51-3, 51-20, 51-21, 51-11R, 51-11W, 51-33R, 51-40, 52-2C, 52-2W, 52-12, 52-41, 44-32R (BR)

All work contemplated under this contract to be covered by and in conformity with the specifications adopted January 2, 1951, except as modified on these plans and in the Itemized Proposal.

Approved: *E. W. Wendell* 4/24/52 1952
Deputy Chief Engineer

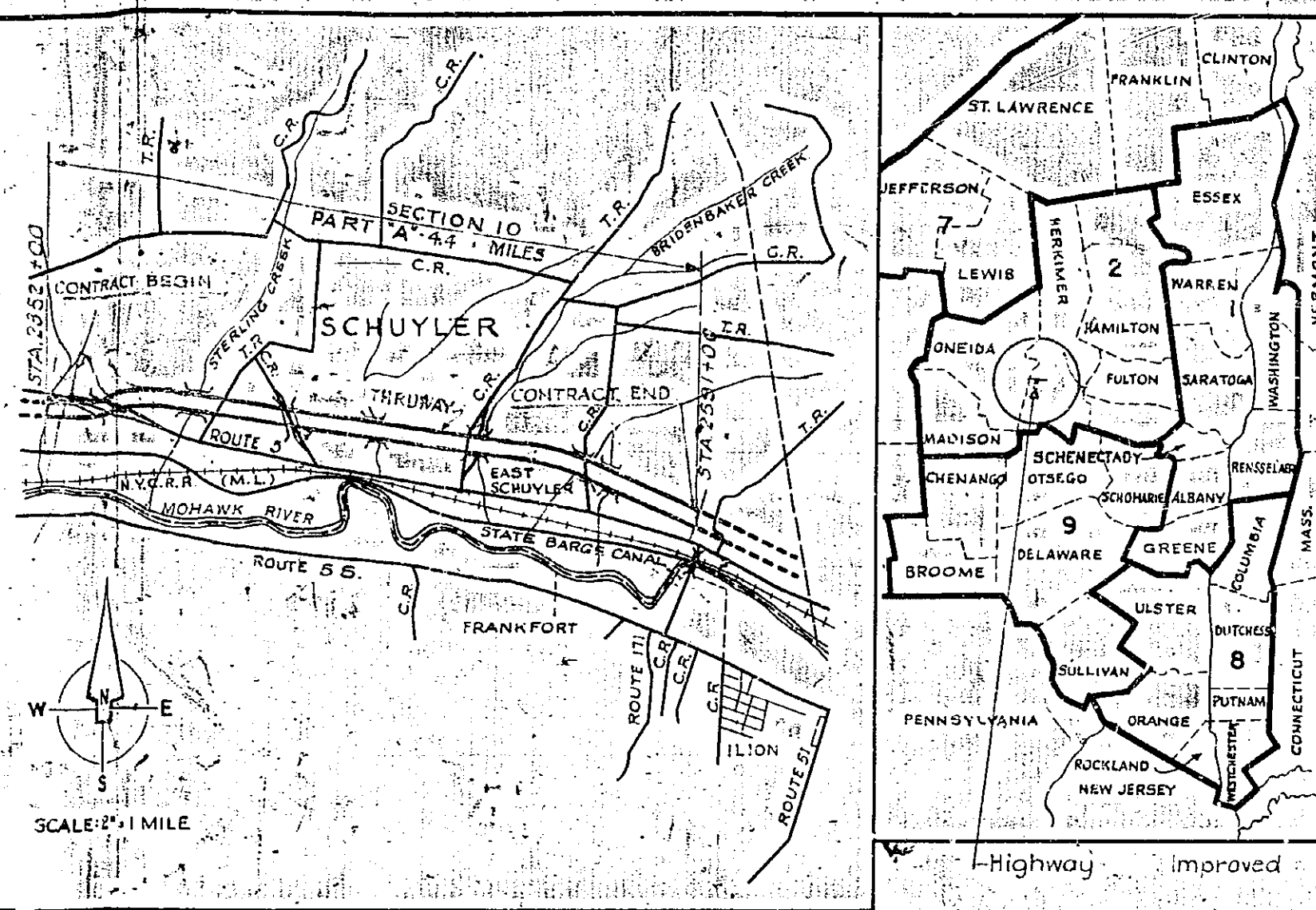
APPROVED: *April 25* 1952
NEW YORK STATE THRUWAY AUTHORITY
B. D. TALLAMY, CHAIRMAN
BY: C. H. LANG
DEPUTY CHIEF ENGINEER

PREPARED PURSUANT TO THE
HIGHWAY LAW & RECOMMENDED BY
Lucy Ketchum
ENGINEER, DISTRICT NO. 2
DATE

NEW YORK STATE DEPARTMENT OF PUBLIC WORKS
DIVISION OF CONSTRUCTION
APPROVED: *April 25* 1952
J. B. MORRAN
CHIEF ENGINEER
APPROVED: *Apr 24* 1952
E. T. GAWKINS
DEPUTY CHIEF ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC WORKS
RECOMMENDED FOR APPROVAL:
DISTRICT ENGINEER _____ DATE _____
APPROVED _____
DIVISION ENGINEER _____ DATE _____

PREPARED AND RECOMMENDED:
Francis L. Brown NYS.P.E. LIC. NO. 19032 DATE 6-30-38 *Francis L. Brown* P.E. 13144
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS



NEW YORK STATE THRUWAY AUTHORITY

PLANS FOR CONSTRUCTING A PORTION OF THE

**NEW YORK STATE THRUWAY
MOHAWK SECTION—SUBDIVISION 10-A**

(Burch Creek to One Mile East of East Schuyler)

From Station 2352+00 near Burch Creek, to Station 2591+00; one mile east of East Schuyler, a length of 4.49 miles in the Town of Schuyler

CONTRACT No. M.T. 52-7

CONTRACT No. M.T. 52-7

**AND FOR RECONSTRUCTING A PORTION OF THE
EAST SCHUYLER-DEERFIELD**

STATE HIGHWAY No. 459

Between Station 137+37.92 and Station 174+10, a length of 0.6 mile in the Town of Schuyler

AND FOR CONSTRUCTING A PORTION OF
COUNTY ROAD No. 11

From Station C9+35.61 to Station C30+77.29, a length of 0.41 mile in the Town of Schuyler

AND A PORTION OF
COUNTY ROAD No. 53

From Station SE7+95 to Station SE 30+89.53, a length of 0.43 mile in the Town of Schuyler

AND A PORTION OF,
COUNTY ROAD No. 211

From Station G50+85 to Station GN2+05, a length of 0.06 mile in the Town of Schuyler

AND ACCESS ROADS "J" and "H"

A length of 0.43 mile in the Town of Schuyler

A TOTAL LENGTH OF 1.33 MILES

TOTAL LENGTH OF CONTRACT 6.51 MILES

CONTRACT No. S.T. 52-11

90 SHEETS.

HERKIMER COUNTY

[illegible][illegible]

Contractor: Collins Bros. - Mechanics (Wm.)
Date of Letting: May 29, 1952
Date of Contract: June 12, 1952
Construction started: June 23, 1952
Inspector completed: Aug. 22, 1952
Date of Payment: Sept. 6, 1952

Approved _____, 19__
E. W. WENDELL

Deputy Chief Engineer

APPROVED April 25 1952
NEW YORK STATE THRUWAY AUTHORITY
B.O. TALLAMY, CHAIRMAN
BY: C.H. LANG
C.H. Lang
DEPUTY CHIEF ENGINEER

PREPARED PURSUANT TO THE
HIGHWAY LAW & RECOMMENDED BY
Lacy Ketchum
ENGINEER, DISTRICT NO.2
DATE

NEW YORK STATE DEPARTMENT OF PUBLIC WORKS
DIVISION OF CONSTRUCTION

APPROVED *April 25* 19*52*
J. B. MORRAN
John Moran
CHIEF ENGINEER

APPROVED *Apr. 26* 19*52*
E. T. GAWKINS
E. T. Hawkins
DEPUTY CHIEF ENGINEER

U. S. DEPARTMENT OF COMMERCE BUREAU OF PUBLIC WORKS	
RECOMMENDED FOR APPROVAL	
DISTRICT ENGINEER	DATE
APPROVED	
DIVISION ENGINEER	DATE

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	2	90
NEW YORK STATE THRUWAY - MOHAWK SECTION SUBDIV. 10-A						

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5. TYPICAL SECTIONS - THRUWAY
6. TYPICAL SECTIONS - THRUWAY
7. TYPICAL SECTIONS - ROUTE 5, CO. RDS. 11, 53 AND 211
8. ROAD ITEMS - TABULATIONS
9. DRAINAGE STRUCTURES AND TABULATIONS
10. DRAINAGE - TABULATIONS
11. ROADSIDE DEVELOPMENT SHEET
12. ROADSIDE DEVELOPMENT SHEET
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14. ARCHITECTURAL ELEVATIONS AND DETAILS
15. FRAMING PLAN - NORTH END
16. FRAMING PLAN - SOUTH END
17. SECTIONS AND DETAILS
18. DECK SLAB
19. ABUTMENTS
20. PIERS

THRUWAY OVER STERLING CREEK
STRUCTURE NO. 2

21. PLAN AND SECTIONS
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COUNTY ROAD NO. 11 OVER THRUWAY
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33. PIERS

THRUWAY OVER PRATT CREEK
STRUCTURE NO. 4

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35. PLAN AND SECTIONS
36. ARCHITECTURAL ELEVATIONS AND DETAILS
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BRIDENBAKER CREEKS
88. EXCAVATION AND BACKFILL - CLOSED BOX CULVERTS,
ABUTMENTS AND WINGWALLS
89. EXCAVATION DETAILS
90. FRAME AND GRATE

In charge of *R. Howard*
Made by *R.H. N.K.*
Traced by *R.H. N.K.*
Checked by *R.H. N.K.*

Francis L. Brown P.E. 13141

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

LIST OF DRAWINGS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-B-2	None	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	3	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						

GENERAL NOTES

CIVIL

ALL ELEVATIONS REFER TO THE U.S.C. & G.S. DATUM, MEAN SEA LEVEL (0.00 AT SANDY HOOK).

THE THEORETICAL THRUWAY GRADE LINE AS SHOWN ON THE PLANS REPRESENTS THE EDGE OF THE FINISHED PAVEMENT SURFACE 13'-0" FROM THE COMPUTED CENTER LINE TOWARD THE CENTER MALL OF THE PROPOSED CONSTRUCTION.

LINE AND GRADES OF NEW PAVEMENTS WILL BE ADJUSTED TO MEET EXISTING PAVEMENTS AS DIRECTED BY THE ENGINEER.

THE PLANS PROVIDE FOR THE CONSTRUCTION OF CERTAIN WORK, SUCH AS THE RELOCATION OF STREAMS, GRADED AREAS, ETC., OUTSIDE THE ESTABLISHED MOHAWK THRUWAY AND/OR PUBLIC RIGHTS OF WAY. THE CONTRACTOR SHALL NOT ORDER MATERIALS NOR PROCEED WITH THIS WORK UNTIL SPECIFICALLY AUTHORIZED TO DO SO BY THE ENGINEER.

ALL SLOPES OUTSIDE OF ROADWAY ADJACENT TO ENDS OF CUTS AND FILLS ARE TO BE FLATTENED AND WARPED AS ORDERED BY THE ENGINEER.

UTILITY

LOCATION OF UTILITIES, PUBLIC AND/OR PRIVATE ARE INDICATED AS EXISTING AND/OR TO BE CONSTRUCTED BY OTHERS, ALL AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THEIR EXACT LOCATION SHALL BE DETERMINED IN THE FIELD.

STRUCTURAL

SPECIFICATIONS & LOADINGS

MATERIALS AND FABRICATION: SPECIFICATIONS OF NEW YORK STATE DEPARTMENT OF PUBLIC WORKS, DATED JANUARY 2, 1951 AND CURRENT MODIFICATIONS.

DESIGN SPECIFICATIONS - AASHTO 1949

LOADING: H20-S16-44 MODIFIED
(STRUCTURES #1, 2, 5 AND 8)
(H20-S16-44 - STRUCTURE #3)

STRUCTURAL STEEL

SHOP RIVETS, RIVET BOLTS AND TURNED MACHINE BOLTS, IF USED, TO BE 7/8", 15/16" HOLES, UNLESS SHOWN OTHERWISE. WHERE STEEL EXCEEDING ONE INCH IN THICKNESS IS TO BE WELDED, ELECTRODES OF CLASSIFICATION NUMBER E6015 OR E6016 SHALL BE USED.

CEMENT

FOR CONCRETE PAVEMENT, ITEM 47, USE PORTLAND CEMENT, ITEM 15-2A ONLY.
FOR ALL OTHER CEMENT CONCRETE ITEMS, USE ITEM 15-2 AND ITEM 16N.

STRUCTURAL

REINFORCING STEEL

MINIMUM LAPS TO BE 40 DIAMETERS UNLESS SHOWN OTHERWISE.

UNLESS OTHERWISE NOTED, THE MINIMUM COVER TO ANY REINFORCING BAR SHALL BE AS FOLLOWS:

FOOTINGS	3"
WALLS, PIERS & BEAMS	2"
SLABS	1"

FOUNDATIONS

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL NOTES FOR THESE STRUCTURES, WHICH APPEAR IN THE PROPOSAL. PARTICULAR ATTENTION SHOULD BE GIVEN TO THE FOUNDATION NOTE WHICH BRIEFLY OUTLINES THE ANTICIPATED SUBSURFACE CONDITIONS AT THE SITE OF THE STRUCTURES AND WHICH SPECIFIES CERTAIN REQUIREMENTS RELATIVE TO CONSTRUCTION.

CONCRETE

CLASS OF CONCRETE TO BE AS SHOWN ON DRAWINGS.

THE COST OF FURNISHING AND INSTALLING Baffle STRIPS SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS ITEMS IN THIS CONTRACT.

IMMEDIATELY BEFORE PLACING BRIDGE PAVEMENT CONCRETE, THE CONCRETE SURFACE OR SURFACES UPON WHICH IT IS TO BE PLACED SHALL BE THOROUGHLY WETTED DOWN CONTINUALLY FOR ONE HOUR, IF THE AIR TEMPERATURE IS ABOVE 50°F.

WHERE CAULKING COMPOUND IS TO BE USED, THE SIDES OF THE JOINTS SHALL BE PRIMED WITH A MATERIAL SATISFACTORY TO THE MANUFACTURER OF THE CAULKING COMPOUND 20 TO 30 MINUTES BEFORE THE COMPOUND IS PLACED. ALL JOINTS MUST BE THOROUGHLY CLEAN AND DRY BEFORE PRIMING COAT IS APPLIED. WORK MUST BE PERFORMED BY WORKMAN EXPERIENCED IN THIS TYPE OF WORK.

BACKWALLS OF ABUTMENTS SHALL NOT BE POURED UNTIL AFTER STRUCTURAL STEEL IS ERECTED.

NO CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON THE PLANS WILL BE PERMITTED WITHOUT THE WRITTEN PERMISSION OF THE DEPUTY CHIEF ENGINEER (BRIDGES)

MAINTENANCE & PROTECTION OF TRAFFIC

STATE TRAVELLED ROUTE 5 (EXISTING) IS TO BE MAINTAINED AS A DETOUR UNTIL COMPLETION OF STRUCTURE NO. 1

TOWN ROAD STA. 2L20 - IS TO BE MAINTAINED AS A DETOUR UNTIL COMPLETION OF STRUCTURE NO. 3

COUNTY RD. 53 (EXISTING) - IS TO BE MAINTAINED AS A DETOUR UNTIL COMPLETION OF STRUCTURES NOS. 5 AND 8

LANDSCAPING

TOPSOIL AVAILABLE FOR STRIPPING AND STOCKPILING FROM THE FOLLOWING STATIONS

STATION TO STATION	DEPTH
2438+00 - 2452+00	8"
2465+00 - 2477+00	10"
2517+00 - 2525+00	6"
2538+00 - 2544+00	8"
2556+00 - 2566+00	6"

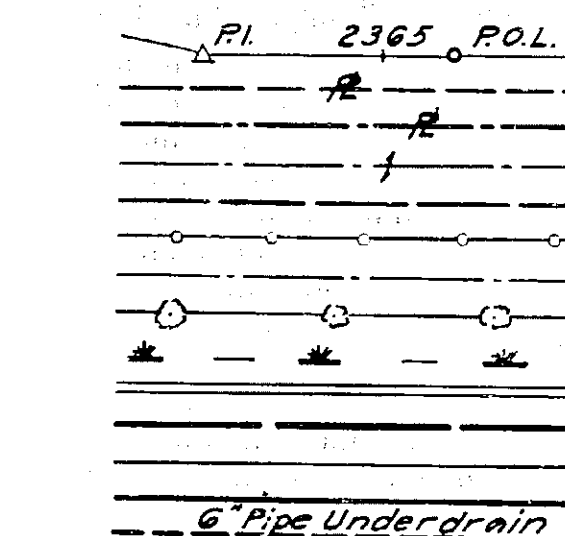
FOR EXCAVATION PAYMENT LINES OF RELOCATED CHANNELS SEE SHEET NO. 87.

OVERHAUL

NO DIRECT PAYMENT WILL BE MADE FOR OVERHAUL IN THIS CONTRACT. THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR UNCLASSIFIED EXCAVATION.

LEGEND

Survey Base Line
Property Line
Property Line (Fenced)
Lot Line
Existing R.O.W. Line
Guide Rail
Fence Line
Tree Line
Marsh
Ditch (Red)
New R.O.W. Line (Red)
& of improvement (Red)
Road Line (Red)
Pipe Underdrain (Red)



Telephone Pole
Power Pole
Guy Pole
Catch Basin
Manhole
Drop Inlet
Head Wall
Culvert

EXISTING	PROPOSED (Red)
q T.P.	q T.P.
q P.P.	q P.P.
• G.P.	• G.P.
• C.B.	• C.B.
• M.H.	• M.H.
□ D.I.	□ D.I.

----- 18'2"

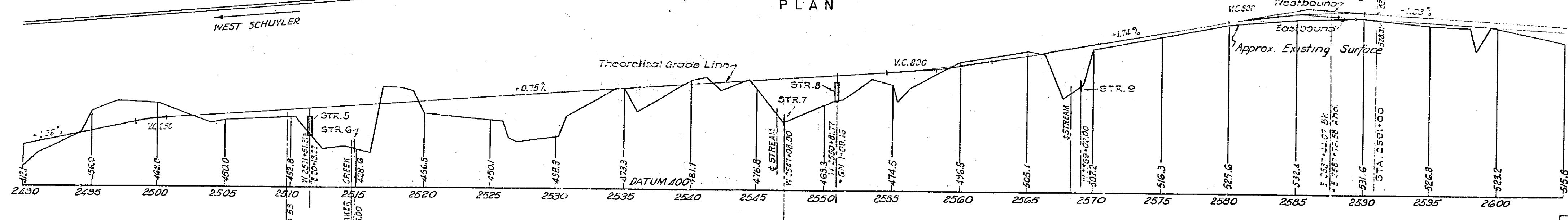
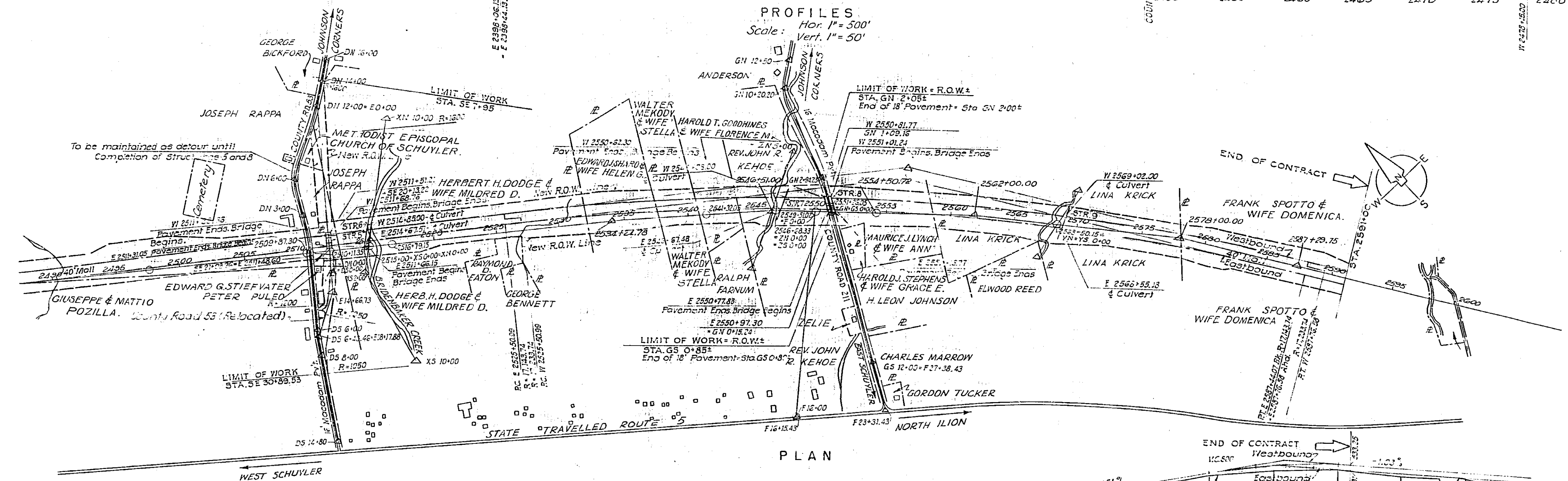
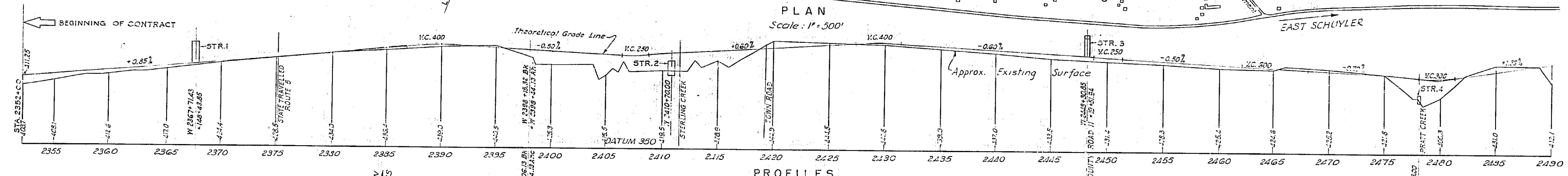
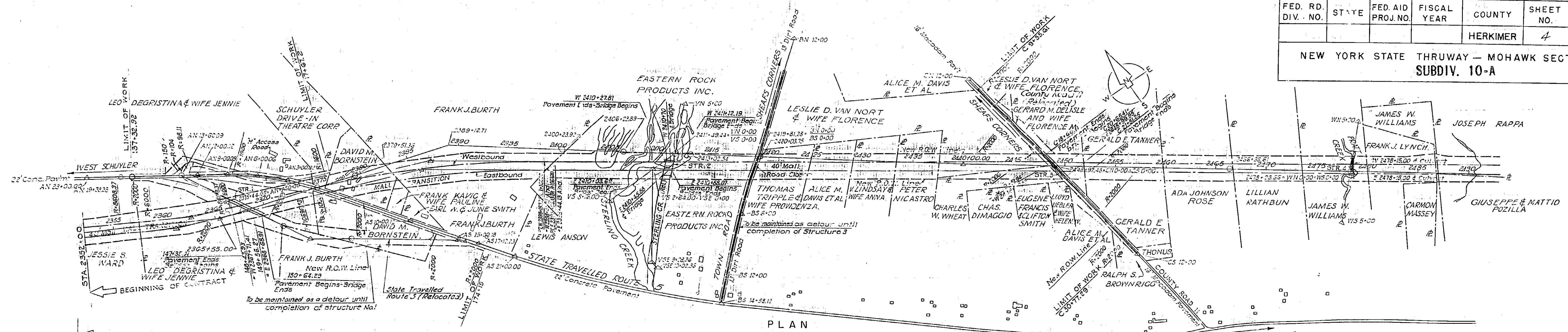
In charge of R. H. F.
Made by R. H. F.
Traced by J. H. J.
Checked by F. G. J.

PREPARED AND RECOMMENDED:
Francis L. Brown P.E. 13144 Harold A. Blauvelt NYSPE LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

GENERAL NOTES

DWG NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13-B-7	None	4-1-52	BROWN	BLAUVELT
CONSULTING ENGINEERS				

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	4	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						

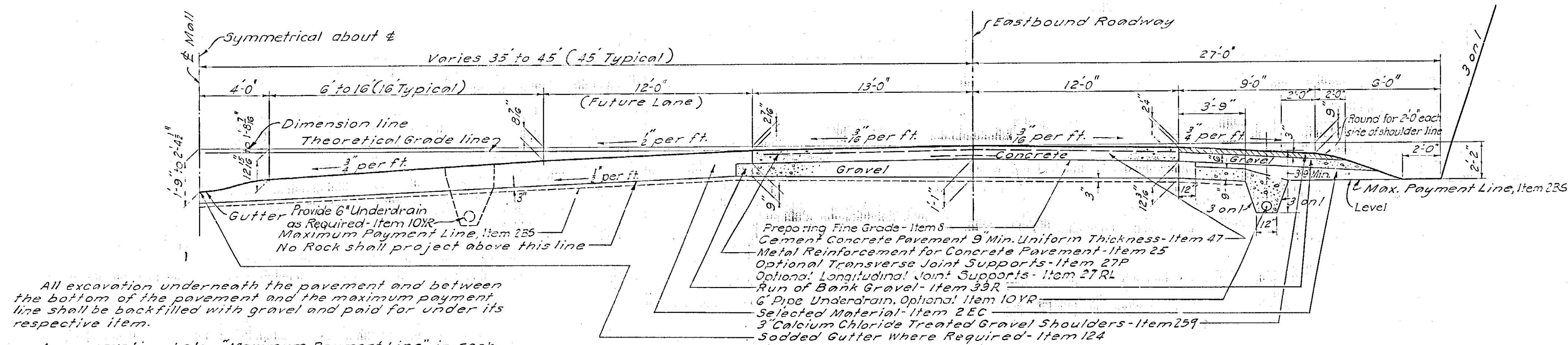


In charge of *R. Hammond*
Made by *A. J. Blauvelt*
Traced by *R. Hammond*
Checked by *R. Hammond*

PREPARED AND RECOMMENDED:
Francis L. Brown P.E. 13144
Harold A. Blauvelt N.Y.S.P.E. Lic. No. 19032 DATE 6-30-52
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-B-3	As shown	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	5	90
NEW YORK STATE THRUWAY MOHAWK SECTION						
SUBDIV. 10-A						

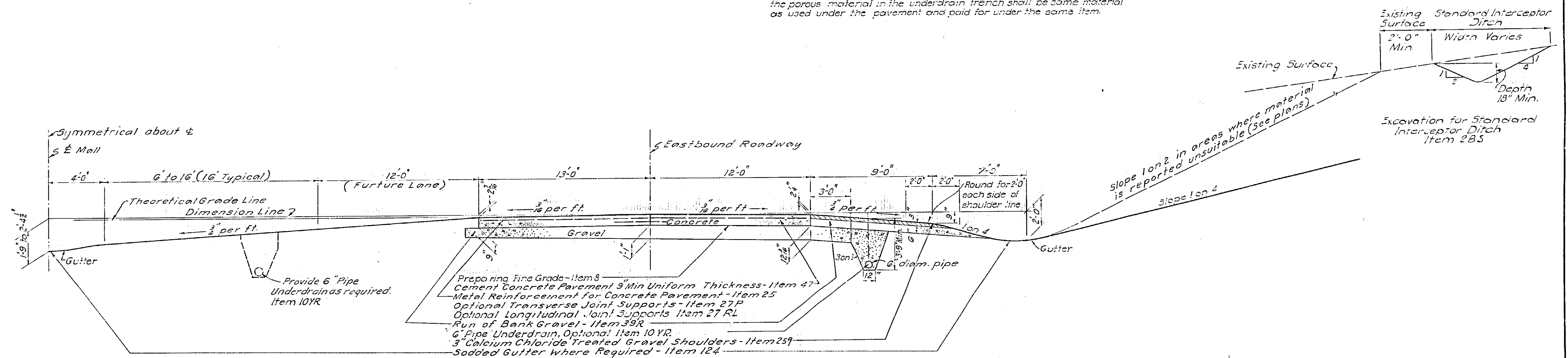


HALF SECTION-ROCK CUT

Notes:

Gravel as indicated in underdrain trenches shall be of the same material as used under the pavement except that the maximum size of any particle shall not exceed 2 inches and will be paid for under the same item.

Gravel as indicated underneath the shoulder and connecting with the porous material in the underdrain trench shall be same material as used under the pavement and paid for under the same item.



HALF SECTION-EARTH CUT

In charge of R. Nauman
Made by R.H. F.F.
Traced by R.D.
Checked by L.S. F.G.

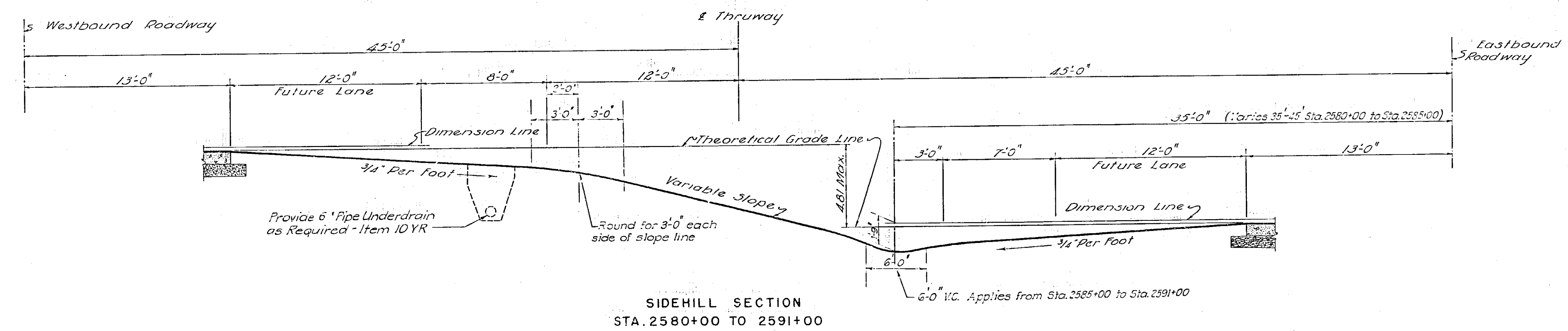
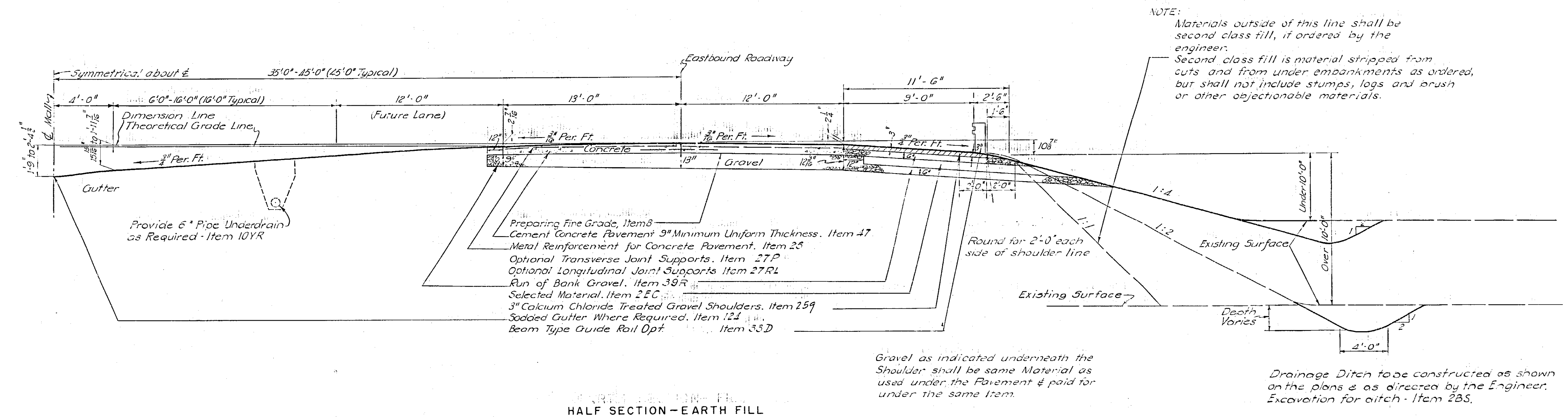
Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS

TYPICAL SECTIONS
THRUWAY

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-B-4	1"=1'-0"	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	6	90
NEW YORK STATE THRUWAY MOHAWK SECTION						
SUBDIV. 10-A						

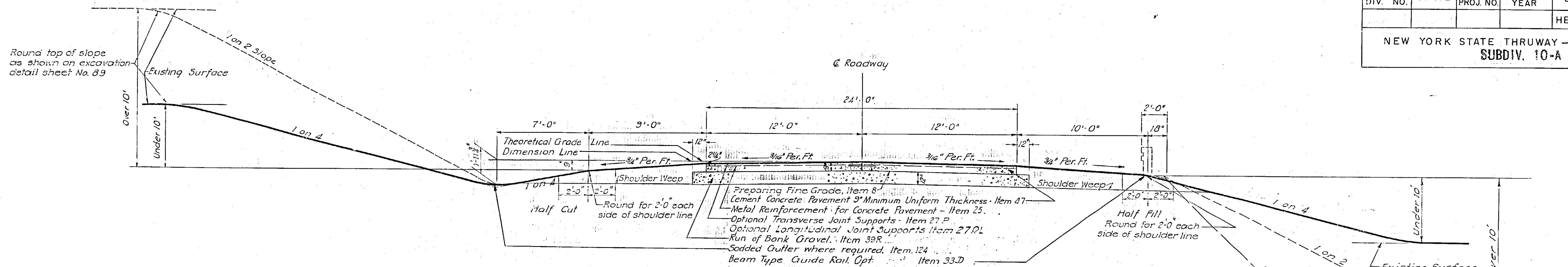


In charge of *R. Hammond*
 Made by *C.W. F.F.*
 Traced by *H. Eisenstein*
 Checked by *J. Suter*

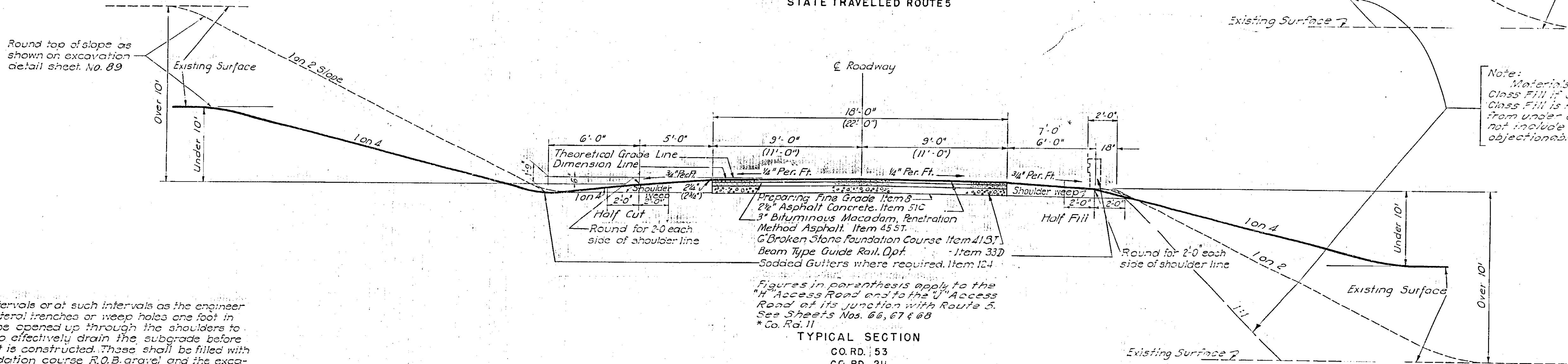
Prepared and Recommended by
Francis L. Brown P.E. 13144
Harold A. Blauvelt NYS P.E. Lic. No. 19032 Date 6-30-58
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

TYPICAL SECTIONS THRUWAY					
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT	CONSULTING ENGINEERS
13-B-5	1/4" = 1'-0"	4-1-52			

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	7	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



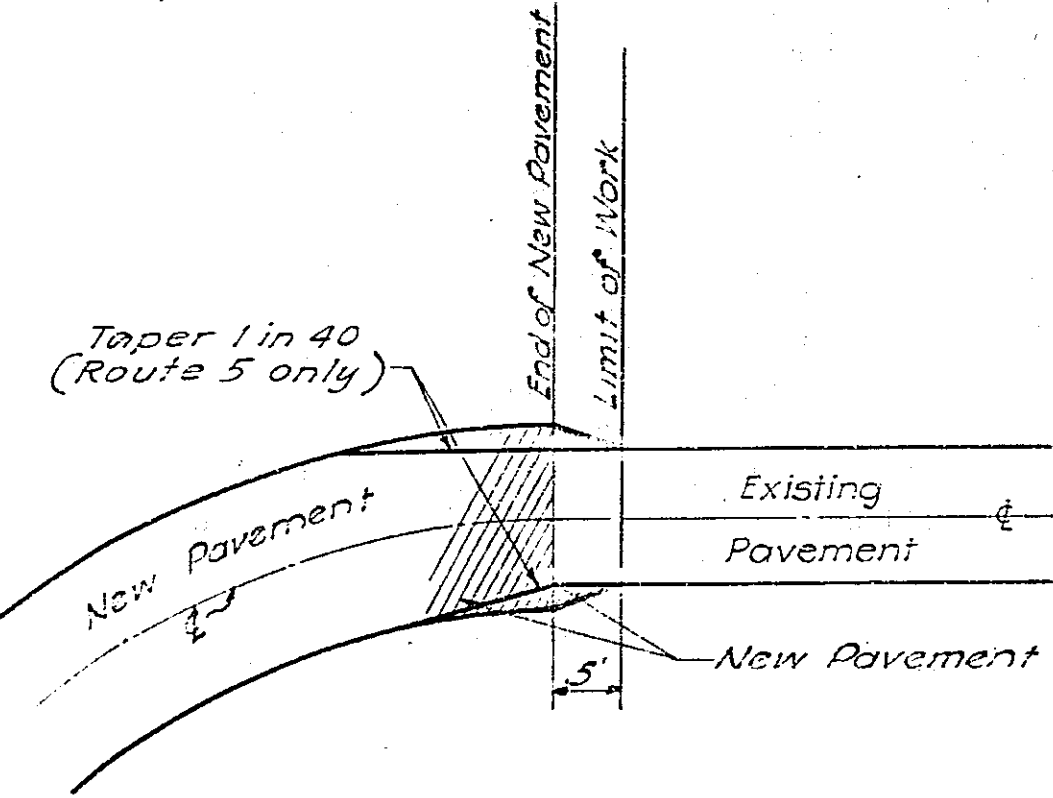
TYPICAL SECTION
STATE TRAVELLED ROUTE 5



TYPICAL SECTION
CO. RD. 53
CO. RD. 211
CO. RD. 11
"H" & "J" ACCESS RD.

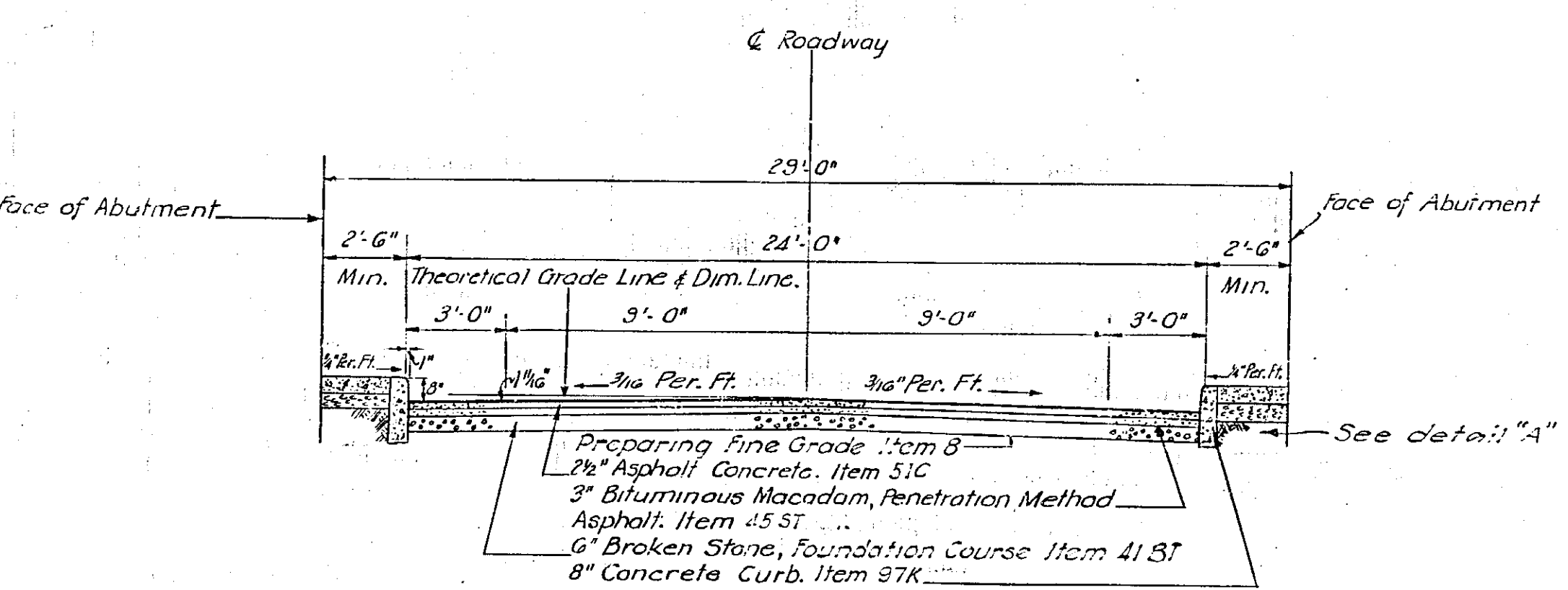
Note: Materials outside of this line shall be Second Class Fill if ordered by the Engineer. Second Class Fill is material stripped from cuts and from under embankments as ordered, but shall not include stumps, logs and brush or other objectionable materials.

Note: At 100' intervals or at such intervals as the engineer may direct, lateral trenches or weep holes one foot in width shall be opened up through the shoulders to the ditches, to effectively drain the subgrade before the pavement is constructed. These shall be filled with Item 39 R, foundation course R.O.B. gravel and the excavation will be paid for under 2B5 unclassified excavation.

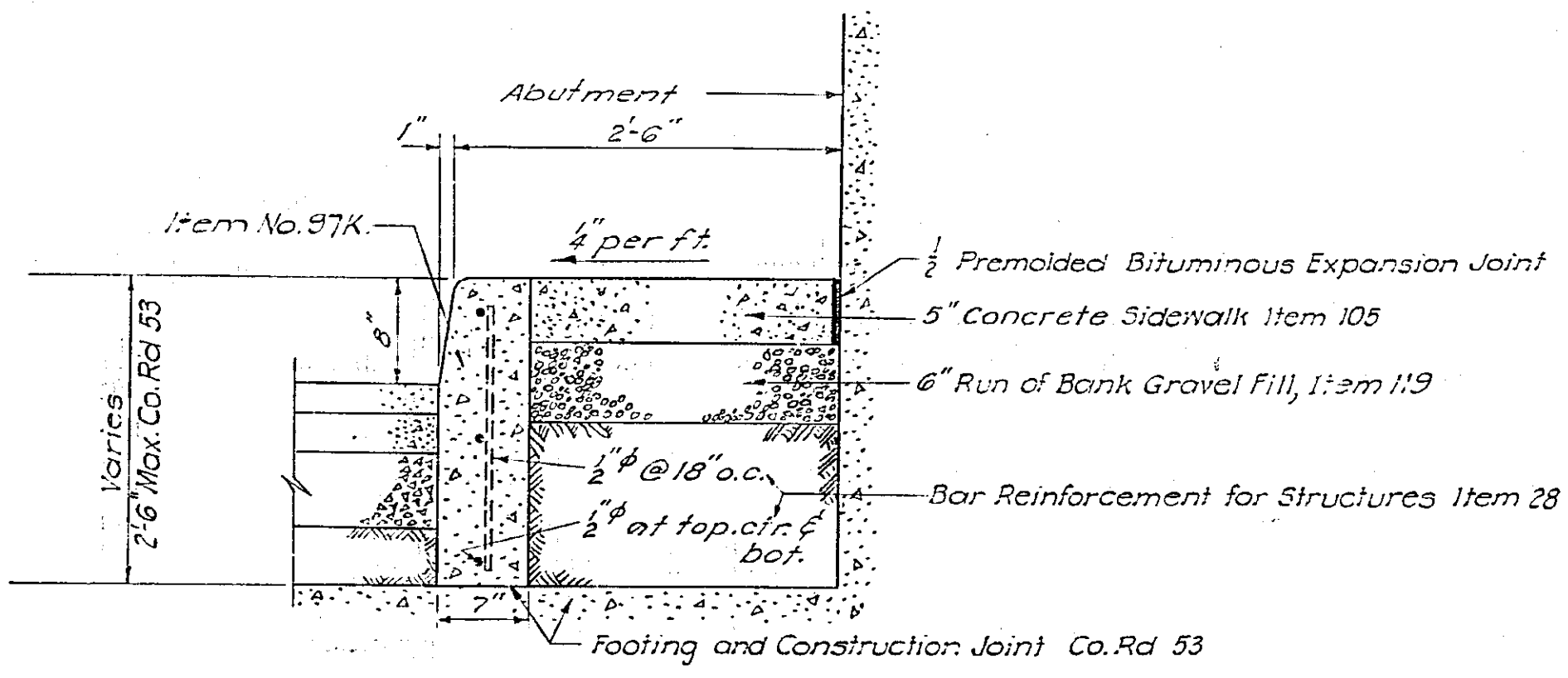


DETAIL "B"
(Not to Scale)

Apply to:
State Travelled Route 5
County Road 11
County Road 53
County Road 211



SECTION UNDER THRUWAY
COUNTY RD. 53
COUNTY RD. 211



DETAIL "A"
Scale 1/2"=1'-0"

In charge of R. H. Brown
Made by G. H. Brown
Traced by L. W. Brown
Checked by R. H. Brown

PREPARED AND RECOMMENDED
Francis L. Brown P.E. 13144
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032
DATE 6-30-52
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

TYPICAL SECTIONS STATE TRAVELLED ROUTE 5 COUNTY ROADS NOS. 11, 53, & 211					
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT	CONSULTING ENGINEERS
13-B-6	1/2"=1'-0" as noted	4-1-52			

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	8	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						

ITEM 2B5 UNCLASSIFIED EXCAVATION							
BAL. NO.	STATION	STATION	USABLE EXCAVATION (CY)	TOTAL EM-BANKMENT (CY)	NET BORROW (CY)	TOP SOIL	REMARKS
1	2352	2372	352	31,365	34,173	0	3,557
2	2372	2392	3,107	10,641	8,800	0	0
3	2392	2412	12,930	110,203	109,133	0	0
4	2412	2432	18,400	26,437	11,877	0	0
5	2432	2452	743	30,692	33,066	6,114	0
6	2452	2472	11,143	20,400	12,021	3,759	3,522
7	2472	2492	45,626	64,114	0	2,685	2426
8	2492	2512	126,682	4,742	0	0	16,872
9	2512	2532	37,582	211,666	112,548	3,022	0
10	2532	2552	17,167	119,335	115,217	3,007	0
11	2552	2572	24,073	109,784	98,254	3,593	0
12	2572	2591	20,807	28,224	11,592	0	0
13	137+33	147+36	255	36,639	39,612	0	1,302
14	150+64	174+15	9,269	98,322	99,487	0	452
15	H0+00	H17+67	2,196	1,455	0	0	0
16	C9+36	C30+77	1,024	36,082	38,733	0	986
17	SE7+95	SE30+90	3,397	26,250	25,699	0	50
18	GN2+05	GS0+85	0	0	0	0	248
TOTALS			334,753		750,212	22,180	29,415

ITEM 2EC SELECT BORROW		
STATION	STATION	CU. YDS.
2353+80	2356+00	4,090
2453+50	2461+50	4,050
2477+50	2480+50	2,790
2493+00	2504+00	19,400
THRUWAY SHOULDER AREAS		10,416
FOR ESTIMATE		4,254
CONTRACT TOTAL		45,000

ITEM 2B5 UNCLASSIFIED EXCAVATION	
FROM	CU. YDS.
USABLE EXCAVATION	334,753
BORROW	750,212
TOP SOIL EXCAVATION	22,180
MATERIAL SUITABLE FOR 2ND CLASS FILL	29,415
LONGITUDINAL TRANSITION	2,050
BENCHING	2,457
STREAM RELOCATIONS	31,793
FOR ESTIMATE	127,140
CONTRACT TOTAL	1,300,000

LONGITUDINAL TRANSITION (SEE EXCAVATION DETAIL SHEET)	
STATION	LANE
2397+40	EAST BOUND
2399+40	WEST BOUND
2476+35	WEST BOUND
2476+45	EAST BOUND
2481+65	EAST BOUND
2481+70	WEST BOUND
2488+70	WEST BOUND
2488+70	EAST BOUND
2493+10	WEST BOUND
2494+10	EAST BOUND
2515+60	WEST BOUND
2515+95	EAST BOUND
2519+05	WEST BOUND
2519+85	EAST BOUND
2535+10	EAST BOUND
2538+10	WEST BOUND
2541+50	EAST BOUND
2542+40	WEST BOUND
2543+20	WEST BOUND
2566+50	WEST BOUND
2570+30	WEST BOUND
2581+10	WEST BOUND

ITEM 5 TRENCH, CULVERT AND BRIDGE EXCAVATION	
FROM	CU. YDS.
DRAINAGE STRUCTURES	11471
PIPE UNDERDRAIN	4300
STRUCTURE #1, BRIDGE STA. W2367+71	395
STRUCTURE #2, BRIDGE STA. W2410+70	2490
STRUCTURE #3, BRIDGE STA. W2448+31	175
STRUCTURE #4, CULVERT STA. W2478+15	735
STRUCTURE #5, BRIDGE STA. W2511+51	804
STRUCTURE #6, CULVERT STA. W2514+85	1945
STRUCTURE #7, CULVERT STA. W2547+08	1220
STRUCTURE #8, BRIDGE STA. W2550+82	2340
STRUCTURE #9, CULVERT STA. W2569+02	1260
STONE BANK PROTECTION	3937
FOR ESTIMATE	3128
CONTRACT TOTAL	34,200

DRIVES TO BE REESTABLISHED		
STATION	SIDE	ITEM 39
DS 16+28	LT	45 C.Y.
FOR ESTIMATE		55 C.Y.
TOTAL		100 C.Y.

BENCH MARKS				
STATION	NAME	LOCATION	DESCRIPTION	ELEV.
2377+49	BM-43	140' RIGHT OF B.L.	CHISEL SQUARE N.W. CORNER OF CULVERT	430.82
2382+67	BM-44	16' RIGHT OF B.L.	NAIL IN BASE OF 16" ELM TREE	436.86
2399+98	BM-45	42' RIGHT OF B.L.	NAIL IN BASE OF ELM TREE	438.88
2408+57	BM-46	6' LEFT OF B.L.	NAIL IN BASE OF POPLAR TREE (10")	421.89
2419+35	BM-47	256' RIGHT OF B.L.	NAIL IN BASE OF TELEPHONE POLE	439.67
2433+34	BM-48	45' RIGHT OF B.L.	NAIL IN BASE OF 4" CHERRY TREE ABOUT 1" ABOVE GROUND	441.67
2447+73	BM-49	147' LEFT OF B.L.	NAIL IN BASE OF TELEPHONE POLE	435.57
2455+63	BM-50	210' RIGHT OF B.L.	NAIL IN BASE OF 14" ELM TREE	426.97
2466+73	BM-51	122' RIGHT OF B.L.	NAIL IN BASE OF 36" OAK	427.03
2476+97	BM-52	16' LEFT OF B.L.	NAIL IN BASE OF 8" APPLE TREE	418.61
2488+73	BM-53	145' RIGHT OF B.L.	NAIL IN BASE OF 36" ELM TREE	425.77
2500+14	BM-54	60' RIGHT OF B.L.	NAIL IN BASE OF 12" ELM TREE	449.63
2509+92	BM-55	202' RIGHT OF B.L.	NAIL IN BASE OF TELEPHONE POLE #9	448.15
2518+19	BM-55A	312' RIGHT OF B.L.	NAIL IN BASE OF WOOD FENCE POST	468.14
2524+65	BM-56	51' RIGHT OF B.L.	NAIL IN BASE OF CLUMP OF 6" ELM TREES (3)	445.75
2530+75	BM-57	167' RIGHT OF B.L.	NAIL IN BASE OF 10" MAPLE TREE	468.14
2541+00	BM-58	285' RIGHT OF B.L.	NAIL IN BASE OF 6" ELM TREE ABOUT 1" ABOVE GROUND	462.65
2551+55	BM-59	684' LEFT OF B.L.	NAIL IN BASE OF UTILITY POLE CO. RD. 211 UG#6	466.11
2551+26	BM-59A	1604' RIGHT OF B.L.	NAIL ON TOP OF ANCHOR POST	414.37
2556+96	BM-60	413' LEFT OF B.L.	BENT NAIL IN BASE OF 10" DIA. BEECH TREE	503.42
2565+56	BM-61	265' RIGHT OF B.L.	NAIL IN ROOT OF 30" ELM NEAR FENCE LINE	489.79
2566+00	BM-62A	291' RIGHT OF B.L.	NAIL ON STUMP OF 24" TREE	469.34
2579+55	BM-62	250' RIGHT OF B.L.	NAIL IN BASE OF 12" ELM TREE	512.26
2592+00	BM-63	382' LEFT OF B.L.	NAIL IN BASE OF 24" MAPLE TREE	578.44

ITEM 113 HIGHWAY - RAILROAD BARRICADE			
ACCESS ROAD	STATION	OFFSET	L.F.
ST. RT. #5	W2377+85	165' RT	72
UNPAVED ROAD	W2419+60	80' LT	32
UNPAVED ROAD	W2418+80	175' RT	32
CO. RD. #53	W2511+80	60' LT	32
CO. RD. #53	W2511+80	170' RT	32
FOR ESTIMATE			50
CONTRACT TOTAL			250

ITEM 98 CONCRETE GUTTER		
STATION	SIDE	S.Y.
W2397+20	RT.	28.5
W2510+07	RT.	46.2
W2509+70	LT.	65.7
W2555+08	RT.	94.0
FOR ESTIMATE		15.6
CONTRACT TOTAL		250.0

ITEM 33D BEAM TYPE GUIDE RAILING, OPT.			
STATION TO STATION	SIDE	L.F.	
THRUWAY (Approximate)			
EB 2409+05 - 2410+05	R&L	200	
WB 2409+80 - 2410+30	R&L	100	
EB 2410+85 - 2411+35	R&L	100	
WB 2411+10 - 2412+10	R&L	200	
EB 2510+30 - 2511+30	R&L	200	
WB 2510+80 - 2511+30	R&L	100	
EB 2511+70 - 2512+20	R&L	100	
WB 2511+70 - 2512+70	R&L	200	
EB 2548+72 - 2550+72	L	100	
EB 2548+80 - 2550+80	R	100	
WB 2550+05 - 2550+55	L	50	
WB 2550+15 - 2550+65	R	50	
WB 2550+95 - 2551+95	L	100	
WB 2551+05 - 2552+05	R	100	
EB 2551+13 - 2551+63	L	50	
EB 2551+10 - 2551+60	R	50	
TOTAL THRUWAY		1800	
STATE TRAVELLED ROUTE NO. 5			
141+65±	147+10	RT	545
150+40±	160+95±	RT	1055
142+60±	147+60	LT	500
150+90	160+95±	LT	1005
H0700±	H0+55±	RT	55
140+60±	140+85±	LT	25
141+70±	141+95±	LT	25
H0+60±	H0+85±	LT	25
H1+10±	H1+35±	LT	25
J3+05±	J3+30±	RT	25
J3+95±	J4+20±	RT	25
TOTAL - STATE TRAVELLED ROUTE NO. 5		3310	
COUNTY ROAD NO. 11			
C15+15±	C18+65	LT	350
C21+75	C25+00±	LT	325
C15+15±	C18+45	RT	330
C21+55	C25+00±	RT	345
TOTAL - COUNTY ROAD NO. 11		1350	
COUNTY ROAD NO. 53			
SE12+05±	SE17+30±	LT	525
SE23+45±	SE26+90±	LT	345
SE12+05±	SE17+30±	RT	525
SE23+45±	SE26+90±	RT	345
TOTAL - COUNTY ROAD NO. 53		1740	
TOTAL FOR ALL ROADS		8200	
END PIECES AND FOR ESTIMATE		300	
CONTRACT TOTAL		8500	

ITEM 79 DRY STONE PAVING		
STATION	STRUCTURE	QUANTITY
W2367+71	E2368+69	NO. 1 - BRIDGE
W2448+31	E2449+00	NO. 3 - BRIDGE
FOR ESTIMATE		717 S.Y.
CONTRACT TOTAL		1250 S.Y.

ITEM 80 DRY RIP-RAP		
STATION	STRUCTURE	QUANTITY
W2410+70	E2410+46	NO. 2 - BRIDGE
W2478+15	E2478+15	NO. 6 - CULVERT
W2514+85	E2514+68	NO. 6 - CULVERT
W2547+08	E2546+67	NO. 7 - CULVERT
W2569+02	E2568+55	NO. 9 - CULVERT
FOR ESTIMATE		70 C.Y.
CONTRACT TOTAL		160 C.Y.

TABLE OF LENGTHS - THRUWAY			
WESTBOUND		EASTBOUND	
STATION TO STATION	L. F.	STATION TO STATION	L. F.
2352+00.00 - 2398+15.32BK	4615.32	2352+00.00 - 2398+06.13BK	4606.13
2398+44.13AHD 2410+27.81	1183.68	2398+44.13AHD 2410+03.69	1159.56
2411+12.19 - 2511+33.66	10021.47	2410+88.07 - 2511+31.05	10042.98
2511+68.76 - 2550+62.30	3893.54	2511+66.15 - 2550+77.83	3911.68
2551+01.24 - 2591+00.00	3998.76	2551+16.77 - 2587+44.07BK	3627.30
		2587+76.58AHD 2591+00.00	323.42
TOTAL	23712.77	TOTAL	23671.07
		COMBINED TOTAL	47383.84

DISTANCE FROM C.L. OF MALL TO LONGITUDINAL JOINT OF LANE		
STATION TO STATION	FEET	MALL WIDTHS (FT.) *
E2352+00.00 - E2355+82.99	45'	40'
E2355+82.99 - E2366+64.21	VARIES 45' TO 35'	VARIES 40' TO 20'
E2366+64.21 - E2373+89.11	35'	20'
E2373+89.11 - E2398+06.13BK	VARIES 35' TO 45'	VARIES 20' TO 40'
E2398+44.13AHD E2591+00.00	45'	40'

*THE MALL WIDTH IS THE DISTANCE IN FEET BETWEEN THE INSIDE EDGES OF THE FUTURE DUAL THREE LANE PAVEMENT.

TABLE OF LENGTHS - RELOCATED ROADS		
ROAD	STATION TO STATION	L.F.
STATE TRAVELLED ROUTE NO. 5	137+37.92 - 147+35.91	997.99
	150+64.29 - 174+10.00	2345.71
H ACCESS ROAD	H0+00.00 - H17+62.00	1762.00
J ACCESS ROAD	J0+00.00 - J5+18.91	518.91
COUNTY ROAD NO. 11	C9+35.61 - C18+66.11	930.50
	C21+51.25 - C30+77.29	926.04
COUNTY ROAD NO. 53	S27+95.00 - SE30+89.53	2294.53
TOTAL		9775.68

TABLE OF LENGTHS - RECONSTRUCTED ROADS		
ROAD	STATION TO STATION	L.F.
COUNTY ROAD NO. 211	GN2+05± - GS0+85±	290±
TOTAL		290±

In charge of *P. Hammond*
Made by *P.E. R.E.*
Traced by *P.D.*
Checked by *J.S. C.F.*

PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 9032 DATE 6-30-38 *Francis L. Brown* P.E. 13/144
FRANCIS L. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS

ROAD ITEMS - TABULATIONS
DWG. NO. 13-B-10 SCALE None DATE 4-1-52 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. NO.	STATE	FED. AID	FISCAL	COUNTY	SHEET	TOTAL
NO.		PROJ. NO.	YEAR		NO.	SHEETS
				HERKIMER	8	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						

UNCLASSIFIED EXCAVATION						
STATION	STATION	USABLE EXCAVATION (CY)	TOTAL EXCAVATION (CY)	TOP SOIL (CY)	HAUL (CY)	REMARKS
2352	2372	352	31,365	3,243	0	
2372	2392	3,107	10,611	0,800	0	
2392	2412	12,930	110,203	169,133	0	
2412	2432	18,400	26,437	11,877	0	
2432	2452	743	30,692	33,066	6,111	
2452	2472	11,113	20,400	12,021	3,789	
2472	2492	15,626	81,111	0	2,685	
2492	2512	15,682	4,742	0	16,372	HAUL 29,802 FROM BAL. 8
2512	2532	37,582	211,866	112,518	3,022	
2532	2552	17,167	119,135	115,217	3,007	
2552	2572	24,073	103,784	98,384	3,593	
2572	2592	20,807	20,224	11,592	0	
2592	2612	11,736	36,639	39,612	0	
2612	2632	9,269	98,322	99,487	0	
2632	2652	2,196	1,455	0	0	
2652	2672	1,024	36,082	38,733	0	
2672	2692	3,397	26,250	25,699	0	
2692	2712	0	0	0	210	
TOTALS		334,153	750,212	22,188	29,415	

STATION	STATION	USABLE EXCAVATION (CY)	TOTAL EXCAVATION (CY)	TOP SOIL (CY)	HAUL (CY)	REMARKS
2407-30	2407-30	1.0	1.0	0.0	1.0	1.0
2407-31	2407-31	1.0	1.0	0.0	1.0	1.0
2407-32	2407-32	1.0	1.0	0.0	1.0	1.0
2407-33	2407-33	1.0	1.0	0.0	1.0	1.0
2407-34	2407-34	1.0	1.0	0.0	1.0	1.0
2407-35	2407-35	1.0	1.0	0.0	1.0	1.0
2407-36	2407-36	1.0	1.0	0.0	1.0	1.0
2407-37	2407-37	1.0	1.0	0.0	1.0	1.0
2407-38	2407-38	1.0	1.0	0.0	1.0	1.0
2407-39	2407-39	1.0	1.0	0.0	1.0	1.0
2407-40	2407-40	1.0	1.0	0.0	1.0	1.0
2407-41	2407-41	1.0	1.0	0.0	1.0	1.0
2407-42	2407-42	1.0	1.0	0.0	1.0	1.0
2407-43	2407-43	1.0	1.0	0.0	1.0	1.0
2407-44	2407-44	1.0	1.0	0.0	1.0	1.0
2407-45	2407-45	1.0	1.0	0.0	1.0	1.0
2407-46	2407-46	1.0	1.0	0.0	1.0	1.0
2407-47	2407-47	1.0	1.0	0.0	1.0	1.0
2407-48	2407-48	1.0	1.0	0.0	1.0	1.0
2407-49	2407-49	1.0	1.0	0.0	1.0	1.0
2407-50	2407-50	1.0	1.0	0.0	1.0	1.0
2407-51	2407-51	1.0	1.0	0.0	1.0	1.0
2407-52	2407-52	1.0	1.0	0.0	1.0	1.0
2407-53	2407-53	1.0	1.0	0.0	1.0	1.0
2407-54	2407-54	1.0	1.0	0.0	1.0	1.0
2407-55	2407-55	1.0	1.0	0.0	1.0	1.0
2407-56	2407-56	1.0	1.0	0.0	1.0	1.0
2407-57	2407-57	1.0	1.0	0.0	1.0	1.0
2407-58	2407-58	1.0	1.0	0.0	1.0	1.0
2407-59	2407-59	1.0	1.0	0.0	1.0	1.0
2407-60	2407-60	1.0	1.0	0.0	1.0	1.0
2407-61	2407-61	1.0	1.0	0.0	1.0	1.0
2407-62	2407-62	1.0	1.0	0.0	1.0	1.0
2407-63	2407-63	1.0	1.0	0.0	1.0	1.0
2407-64	2407-64	1.0	1.0	0.0	1.0	1.0
2407-65	2407-65	1.0	1.0	0.0	1.0	1.0
2407-66	2407-66	1.0	1.0	0.0	1.0	1.0
2407-67	2407-67	1.0	1.0	0.0	1.0	1.0
2407-68	2407-68	1.0	1.0	0.0	1.0	1.0
2407-69	2407-69	1.0	1.0	0.0	1.0	1.0
2407-70	2407-70	1.0	1.0	0.0	1.0	1.0
2407-71	2407-71	1.0	1.0	0.0	1.0	1.0
2407-72	2407-72	1.0	1.0	0.0	1.0	1.0
2407-73	2407-73	1.0	1.0	0.0	1.0	1.0
2407-74	2407-74	1.0	1.0	0.0	1.0	1.0
2407-75	2407-75	1.0	1.0	0.0	1.0	1.0
2407-76	2407-76	1.0	1.0	0.0	1.0	1.0
2407-77	2407-77	1.0	1.0	0.0	1.0	1.0
2407-78	2407-78	1.0	1.0	0.0	1.0	1.0
2407-79	2407-79	1.0	1.0	0.0	1.0	1.0
2407-80	2407-80	1.0	1.0	0.0	1.0	1.0
2407-81	2407-81	1.0	1.0	0.0	1.0	1.0
2407-82	2407-82	1.0	1.0	0.0	1.0	1.0
2407-83	2407-83	1.0	1.0	0.0	1.0	1.0
2407-84	2407-84	1.0	1.0	0.0	1.0	1.0
2407-85	2407-85	1.0	1.0	0.0	1.0	1.0
2407-86	2407-86	1.0	1.0	0.0	1.0	1.0
2407-87	2407-87	1.0	1.0	0.0	1.0	1.0
2407-88	2407-88	1.0	1.0	0.0	1.0	1.0
2407-89	2407-89	1.0	1.0	0.0	1.0	1.0
2407-90	2407-90	1.0	1.0	0.0	1.0	1.0
2407-91	2407-91	1.0	1.0	0.0	1.0	1.0
2407-92	2407-92	1.0	1.0	0.0	1.0	1.0
2407-93	2407-93	1.0	1.0	0.0	1.0	1.0
2407-94	2407-94	1.0	1.0	0.0	1.0	1.0
2407-95	2407-95	1.0	1.0	0.0	1.0	1.0
2407-96	2407-96	1.0	1.0	0.0	1.0	1.0
2407-97	2407-97	1.0	1.0	0.0	1.0	1.0
2407-98	2407-98	1.0	1.0	0.0	1.0	1.0
2407-99	2407-99	1.0	1.0	0.0	1.0	1.0
2408-00	2408-00	1.0	1.0	0.0	1.0	1.0
2408-01	2408-01	1.0	1.0	0.0	1.0	1.0
2408-02	2408-02	1.0	1.0	0.0	1.0	1.0
2408-03	2408-03	1.0	1.0	0.0	1.0	1.0
2408-04	2408-04	1.0	1.0	0.0	1.0	1.0
2408-05	2408-05	1.0	1.0	0.0	1.0	1.0
2408-06	2408-06	1.0	1.0	0.0	1.0	1.0
2408-07	2408-07	1.0	1.0	0.0	1.0	1.0
2408-08	2408-08	1.0	1.0	0.0	1.0	1.0
2408-09	2408-09	1.0	1.0	0.0	1.0	1.0
2408-10	2408-10	1.0	1.0	0.0	1.0	1.0
2408-11	2408-11	1.0	1.0	0.0	1.0	1.0
2408-12	2408-12	1.0	1.0	0.0	1.0	1.0
2408-13	2408-13	1.0	1.0	0.0	1.0	1.0
2408-14	2408-14	1.0	1.0	0.0	1.0	1.0
2408-15	2408-15	1.0	1.0	0.0	1.0	1.0
2408-16	2408-16	1.0	1.0	0.0	1.0	1.0
2408-17	2408-17	1.0	1.0	0.0	1.0	1.0
2408-18	2408-18	1.0	1.0	0.0	1.0	1.0
2408-19	2408-19	1.0	1.0	0.0	1.0	1.0
2408-20	2408-20	1.0	1.0	0.0	1.0	1.0
2408-21	2408-21	1.0	1.0	0.0	1.0	1.0
2408-22	2408-22	1.0	1.0	0.0	1.0	1.0
2408-23	2408-23	1.0	1.0	0.0	1.0	1.0
2408-24	2408-24	1.0	1.0	0.0	1.0	1.0
2408-25	2408-25	1.0	1.0	0.0	1.0	1.0
2408-26	2408-26	1.0	1.0	0.0	1.0	1.0
2408-27	2408-27	1.0	1.0	0.0	1.0	1.0
2408-28	2408-28	1.0	1.0	0.0	1.0	1.0
2408-29	2408-29	1.0	1.0	0.0	1.0	1.0
2408-30	2408-30	1.0	1.0	0.0	1.0	1.0
2408-31	2408-31	1.0	1.0	0.0	1.0	1.0
2408-32	2408-32	1.0	1.0	0.0	1.0	1.0
2408-33	2408-33	1.0	1.0	0.0	1.0	1.0
2408-34	2408-34	1.0	1.0	0.0	1.0	1.0
2408-35	2408-35	1.0	1.0	0.0	1.0	1.0
2408-36	2408-36	1.0	1.0	0.0	1.0	1.0
2408-37	2408-37	1.0	1.0	0.0	1.0	1.0
2408-38	2408-38	1.0	1.0	0.0	1.0	1.0
2408-39	2408-39	1.0	1.0	0.0	1.0	1.0
2408-40	2408-40	1.0	1.0	0.0	1.0	1.0
2408-41	2408-41	1.0	1.0	0.0	1.0	1.0
2408-42	2408-42	1.0	1.0	0.0	1.0	1.0
2408-43	2408-43	1.0	1.0	0.0	1.0	1.0
2408-44	2408-44	1.0	1.0	0.0	1.0	1.0
2408-45	2408-45	1.0	1.0	0.0	1.0	1.0
2408-46	2408-46	1.0	1.0	0.0	1.0	1.0
2408-47	2408-47	1.0	1.0	0.0	1.0	1.0
2408-48	2408-48	1.0	1.0	0.0	1.0	1.0
2408-49	2408-49	1.0	1.0	0.0	1.0	1.0
2408-50	2408-50	1.0	1.0	0.0	1.0	1.0
2408-51	2408-51	1.0	1.0	0.0	1.0	1.0
2408-52	2408-52	1.0	1.0	0.0	1.0	1.0
2408-53	2408-53	1.0	1.0	0.0	1.0	1.0
2408-54	2408-54	1.0	1.0	0.0	1.0	1.0
2408-55	2408-55	1.0	1.0	0.0	1.0	1.0
2408-56	2408-56	1.0	1.0	0.0	1.0	1.0
2408-57	2408-57	1.0	1.0	0.0	1.0	1.0
2408-58	2408-58	1.0	1.0	0.0	1.0	1.0
2408-59	2408-59	1.0	1.0	0.0	1.0	1.0
2408-60	2408-60	1.0	1.0	0.0	1.0	1.0
2408-61	2408-61	1.0	1.0	0.0	1.0	1.0
2408-62	2408-62	1.0	1.0	0.0	1.0	1.0
2408-63	2408-63	1.0	1.0	0.0	1.0	1.0
2408-64	2408-64	1.0	1.0	0.0	1.0	1.0
2408-65	2408-65	1.0	1.0	0.0	1.0	1.0
2408-66	2408-66	1.0	1.0	0.0	1.0	1.0
2408-67	2408-67	1.0	1.0	0.0	1.0	1.0
2408-68	2408-68	1.0	1.0	0.0	1.0	1.0
2408-69	2408-69	1.0	1.0	0.0	1.0	1.0
2408-70	2408-70	1.0	1.0	0.0	1.0	1.0
2408-71	2408-71	1.0	1.0	0.0	1.0	1.0
2408-72	2408-72	1.0	1.0	0.0	1.0	1.0
2408-73	2408-73	1.0	1.0	0.0	1.0	1.0
2408-74	2408-74	1.0	1.0	0.0	1.0	1.0
2408-75	2408-75	1.0	1.0	0.0	1.0	1.0
2408-76	2408-76	1.0	1.0	0.0	1.0	1.0
2408-77	2408-77	1.0	1.0	0.0	1.0	1.0
2408-78	2408-78	1.0	1.0	0.0	1.0	1.0
2408-79	2408-79	1.0	1.0	0.0	1.0	1.0
2408-80	2408-80	1.0	1.0	0.0	1.0	1.0
2408-81	2408-81	1.0	1.0	0.0	1.0	1.0
2408-82	2408-82	1.0	1.0	0.0	1.0	1.0
2408-83	2408-83	1.0	1.0	0.0	1.0	1.0
2408-84	2408-84	1.0	1.0	0.0	1.0	1.0
2408-85	2408-85	1.0	1.0	0.0	1.0	1.0
2408-86	2408-86	1.0	1.0	0.0	1.0	1.0
2408-87	2408-87	1.0	1.0	0.0	1.0	1.0
2408-88	2408-88	1.0	1.0	0.0	1.0	1.0
2408-89	2408-89	1.0	1.0	0.0	1.0	1.0
2408-90	2408-90	1.0	1.0	0.0	1.0	1.0
2408-91	2408-91	1.0	1.0	0.0	1.0	1.0
2408-92	2408-92	1.0	1.0	0.0	1.0	1.0
2408-93	2408-93	1.0	1.0	0.0	1.0	1.0
2408-94	2408-94	1.0	1.0	0.0	1.0	1.0
2408-95	2408-95	1.0	1.0	0.0	1.0	1.0
2408-96	2408-96	1.0	1.0	0.0	1.0	1.0
2408-97	2408-97	1.0	1.0	0.0	1.0	1.0
2408-98	2408-98	1.0	1.0	0.0	1.0	1.0
2408-99	2408-99	1.0	1.0	0.0	1.0	1.0
2409-00	2409-00	1.0	1.0	0.0	1.0	1.0
2409-01	2409-01	1.0	1.0	0.0	1.0	1.0
2409-02	2409-02	1.0	1.0	0.0	1.0	1.0
2409-03	2409-03	1.0	1.0	0.0	1.0	1.0
2409-04	2409-04	1.0	1.0	0.0	1.0	1.0
2409-05	2409-05	1.0	1.0	0.0	1.0	1.0
2409-06	2409-06	1.0	1.0	0.0	1.0	1.0
2409-07	2409-07	1.0	1.0	0.0	1.0	1.0
2409-08	2409-08	1.0	1.0	0.0	1.0	1.0
2409-09	2409-09	1.0	1.0	0.0	1.0	1.0
2409-10	2409-10	1.0	1.0	0.0	1.0	1.0

BENCH MARKS				
Sta	Name	Location	Description	Elev.
D18+29	SS-1	4' Right of B.L.	Spikes in root of 29" Elm. Co. Rd # 2	472.69
156+98	RS-A	92' Left of C.L.	Rt. S. Relocation - Nail and nut in Root 16" Elm	472.56
161+85	RS-B	68' Left of C.L.	Rt. S. Relocation - Nail and nut in root of 72" Elm	471.69
171+00	RS-C	60' Left of C.L.	Rt. S. Relocation - Nail and nut in root of 2" Maple	478.89
186+47	RS-D	21.6' Left of C.L. Rt. S.	Nails in Telephone Pole # 96	423.25
Borrow Pit at Lynch Rd	59-B	215' Right of B.L. Sta 12+60	Nails and nuts in base of 16" Elm	550.98
Sta # 2	46 A		N.E. Abut - 9th bolt from retaining wall	431.30
Sta # 2	46 B		N.W. Abut - 6th bolt from retaining wall	431.13

ITEM 39A		
Foundation Course Gravel		
Station	Station	C.Y.
<u>Thereway</u>		
W.B. 2352+00	W.B. 2354+00	24, 276.00
E.B. 2352+00	E.B. 2354+00	24, 276.24
Shoulders		21, 556.24
Gravel at Culverts		136.41
Additional Gravel		62.5
Sta. 1, 2		
<u>Back Sides</u>		
137+37.92	174+10.00	2, 552.24
68 Gravel Weeps		130.00
Gravel Under Culverts		
Sta. 160+10		28.25
Sta. 160+00		24.00
County & Access		
Grade		
H.E.J. Line		30
Co Rd #11		20
Co Rd #58		40
Co Rd #211		5
<u>Total</u>		102, 41.75

ITEM 98 Concrete Gutters		
Thickness Size	Side	Sq. Yds.
2374x50	LS	0.5
2374x80	RS	0.5
2397x20	RS	12.3
2477x80	RS	0.5
2480x80	RS	0.5
2480x80	LS	0.5
2493x20	RS	0.5
2504x69	LS	0.5
2511x30	RS	0.5
2511x70	RS	0.5
2531x60	LS	0.5
2531x57	RS	0.5
2546x80	RS	0.5
2546x25	LS	0.5
2554x80	RS	10.0
2554x80	RS	1.0
2557x60	RS	0.5
2557x80	LS	0.5
2570x80	LS	0.5
2570x80	LS	16.0
Total		170.2

Quantity - Value	Side	Sq. Yds.
160x800	LS	2.0
Total		2.5

Quantity - Value	Side	Sq. Yds.
56x120x20	RS	0.5
Total		0.5
Combined Total		173.2

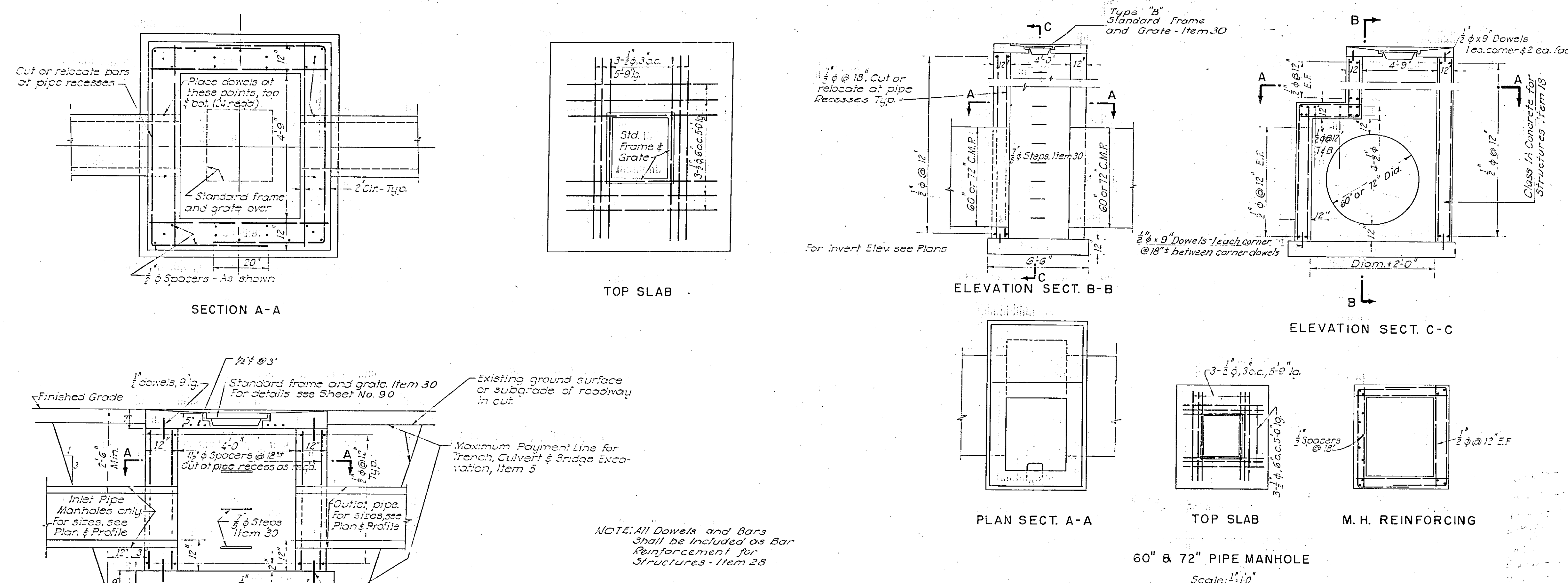
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	9	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						

ITEM 10YR PIPE UNDERDRAIN, OPTIONAL - 6" DIAM.		
STATION TO STATION	SIDE	LINEAR FEET
W2355+00 W2399+80	Lt.	4480
E2391+80 E2397+10	Rt.	530
W2417+10 W2435+50	Lt.	1840
E2417+10 E2427+00	Rt.	990
W2453+70 W2461+00	Lt.	730
W2453+70 W2455+00	Mall	130
W2455+00 W2461+00	Lt.	600
E2455+00 E2461+00	Rt.	600
W2465+00 W2476+50	Lt.	1150
E2466+00 E2476+50	Rt.	1050
W2481+65 W2489+00	Lt.	735
E2481+65 E2489+00	Rt.	735
W2492+65 W2510+60	Lt.	1795
W2492+65 W2498+65	Lt.	600
E2492+65 E2498+65	Rt.	600
E2493+60 E2508+10	Rt.	1450
W2498+65 W2502+65	Lt.	400
E2498+65 E2502+65	Rt.	400
W2516+20 W2518+75	Lt.	255
E2516+20 E2520+20	Rt.	400
W2533+30 W2534+80	Lt.	150
E2533+30 E2534+80	Rt.	230
W2538+50 W2544+80	Lt.	630
E2538+50 E2540+75	Rt.	225
W2545+65	Xing	180
W2559+30 E2564+90	Lt.	560
E2558+00 E2565+25	Rt.	725
W2570+10 W2591+00	Lt.	2090
Total For Road		24260

Structure #2 - Bridge Sta W2410+70	408
Structure #5 - Bridge Sta W2511+51	488
Structure #8 - Bridge Sta W2550+82	407
Total For Structures 1303	
Grand Total 25563	
For Estimate 1437	
Contract Total 27000	

ITEM 140 STONE BANK PROTECTION		
LOCATION	STATION	C.Y.
Stirling Creek North	W2410+60±	283
Stirling Creek South	W2410+60±	2352
Prairie Creek North	W2478+15±	319
Prairie Creek South	W2478+15±	104
Bridenbaker Creek North	W2514+75±	73
Bridenbaker Creek South	W2514+75±	112
Stream @ Structure #7 North	W2546+90±	191
Stream @ Structure #7 South	W2546+90±	19
Stream @ Structure #9 North	W2568+80±	136
Stream @ Structure #9 South	W2568+80±	27
Stream @ 72" C.M.P. Culvert North	W2489+40±	9
Stream @ 72" C.M.P. Culvert South	W2489+40±	7
Stream @ 72" C.M.P. Culvert North	W2529+00±	142
Stream @ 72" C.M.P. Culvert South	W2529+00±	67
Stream @ 60" C.M.P. Culvert North	W2555+00±	69
Stream @ 60" C.M.P. Culvert South	W2555+00±	22
Total 3937		
For Estimate 363		
Contract Total 4300		

DRAINAGE STRUCTURES AND TABULATIONS			
DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS
13-B-8	AS SHOWN	4-1-52	



STANDARD MANHOLE & INLET DETAIL			
STATION TO STATION	SIDE	LINEAR FEET	
W2355+00 W2399+80	Lt.	4480	
E2391+80 E2397+10	Rt.	530	
W2417+10 W2435+50	Lt.	1840	
E2417+10 E2427+00	Rt.	990	
W2453+70 W2461+00	Lt.	730	
W2453+70 W2455+00	Mall	130	
W2455+00 W2461+00	Lt.	600	
E2455+00 E2461+00	Rt.	600	
W2465+00 W2476+50	Lt.	1150	
E2466+00 E2476+50	Rt.	1050	
W2481+65 W2489+00	Lt.	735	
E2481+65 E2489+00	Rt.	735	
W2492+65 W2510+60	Lt.	1795	
W2492+65 W2498+65	Lt.	600	
E2492+65 E2498+65	Rt.	600	
E2493+60 E2508+10	Rt.	1450	
W2498+65 W2502+65	Lt.	400	
E2498+65 E2502+65	Rt.	400	
W2516+20 W2518+75	Lt.	255	
E2516+20 E2520+20	Rt.	400	
W2533+30 W2534+80	Lt.	150	
E2533+30 E2534+80	Rt.	230	
W2538+50 W2544+80	Lt.	630	
E2538+50 E2540+75	Rt.	225	
W2545+65	Xing	180	
W2559+30 E2564+90	Lt.	560	
E2558+00 E2565+25	Rt.	725	
W2570+10 W2591+00	Lt.	2090	
Total For Road			24260

STANDARD MANHOLE & INLET DETAIL			
STATION TO STATION	SIDE	LINEAR FEET	
W2355+00 W2399+80	Lt.	4480	
E2391+80 E2397+10	Rt.	530	
W2417+10 W2435+50	Lt.	1840	
E2417+10 E2427+00	Rt.	990	
W2453+70 W2461+00	Lt.	730	
W2453+70 W2455+00	Mall	130	
W2455+00 W2461+00	Lt.	600	
E2455+00 E2461+00	Rt.	600	
W2465+00 W2476+50	Lt.	1150	
E2466+00 E2476+50	Rt.	1050	
W2481+65 W2489+00	Lt.	735	
E2481+65 E2489+00	Rt.	735	
W2492+65 W2510+60	Lt.	1795	
W2492+65 W2498+65	Lt.	600	
E2492+65 E2498+65	Rt.	600	
E2493+60 E2508+10	Rt.	1450	
W2498+65 W2502+65	Lt.	400	
E2498+65 E2502+65	Rt.	400	
W2516+20 W2518+75	Lt.	255	
E2516+20 E2520+20	Rt.	400	
W2533+30 W2534+80	Lt.	150	
E2533+30 E2534+80	Rt.	230	
W2538+50 W2544+80	Lt.	630	
E2538+50 E2540+75	Rt.	225	
W2545+65	Xing	180	
W2559+30 E2564+90	Lt.	560	
E2558+00 E2565+25	Rt.	725	
W2570+10 W2591+00	Lt.	2090	
Total For Road			24260

STANDARD MANHOLE & INLET DETAIL			
STATION TO STATION	SIDE	LINEAR FEET	
W2355+00 W2399+80	Lt.	4480	
E2391+80 E2397+10	Rt.	530	
W2417+10 W2435+50	Lt.	1840	
E2417+10 E2427+00	Rt.	990	
W2453+70 W2461+00	Lt.	730	
W2453+70 W2455+00	Mall	130	
W2455+00 W2461+00	Lt.	600	
E2455+00 E2461+00	Rt.	600	
W2465+00 W2476+50	Lt.	1150	
E2466+00 E2476+50	Rt.	1050	
W2481+65 W2489+00	Lt.	735	
E2481+65 E2489+00	Rt.	735	
W2492+65 W2510+60	Lt.	1795	
W2492+65 W2498+65	Lt.	600	
E2492+65 E2498+65	Rt.	600	
E2493+60 E2508+10	Rt.	1450	
W2498+65 W2502+65	Lt.	400	
E2498+65 E2502+65	Rt.	400	
W2516+20 W2518+75	Lt.	255	
E2516+20 E2520+20	Rt.	400	
W2533+30 W2534+80	Lt.	150	
E2533+30 E2534+80	Rt.	230	
W2538+50 W2544+80	Lt.	630	
E2538+50 E2540+75	Rt.	225	
W2545+65	Xing	180	
W2559+30 E2564+90	Lt.	560	
E2558+00 E2565+25	Rt.	725	
W2570+10 W2591+00	Lt.	2090	
Total For Road			24260

STANDARD MANHOLE & INLET DETAIL			
STATION TO STATION	SIDE	LINEAR FEET	
W2355+00 W2399+80	Lt.	4480	
E2391+80 E2397+10	Rt.	530	
W2417+10 W2435+50	Lt.	1840	
E2417+10 E2427+00	Rt.	990	
W2453+70 W2461+00	Lt.	730	
W2453+70 W2455+00	Mall	130	
W2455+00 W2461+00	Lt.	600	
E2455+00 E2461+00	Rt.	600	
W2465+00 W2476+50	Lt.	1150	
E2466+00 E2476+50	Rt.	1050	
W2481+65 W2489+00	Lt.	735	
E2481+65 E2489+00	Rt.	735	
W2492+65 W2510+60	Lt.	1795	
W2492+65 W2498+65	Lt.	600	
E2492+65 E2498+65	Rt.	600	
E2493+60 E2508+10	Rt.	1450	
W2498+65 W2502+65	Lt.	400	
E2498+65 E2502+65	Rt.	400	
W2516+20 W2518+75	Lt.	255	
E2516+20 E2520+20	Rt.	400	
W2533+30 W2534+80	Lt.	150	
E2533+30 E2534+80	Rt.	230	
W2538+50 W2544+80	Lt.	630	
E2538+50 E2540+75	Rt.	225	
W2545+65	Xing	180	
W2559+30 E2564+90	Lt.	560	
E2558+00 E2565+25	Rt.	725	
W2570+10 W2591+00	Lt.	2090	
Total For Road			24260

In charge of *R.H. Brown*
 Made by *Blauvelt*
 Traced by *S.A.C.*
 Checked by *S.R.H.*

For Excavation Payment Lines of Relocated Channels, see Sheet No. 87

PREPARED AND RECOMMENDED:
Francis L. Brown P.E. 13144
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

DATE 6-30-52

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	9	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						

On Back of Page

ITEM 109R
PIPE UNDERDRAIN, OPTIONAL - 6" DIAM.

STATION TO STATION	SIDE	LINEAR FEET
W2355+00 W2399+80	Lt.	4450
E2397+80 E2397+10	Rt.	530
W2417+0 W2435+50	Lt.	1840
E2417+10 E2427+00	Rt.	990
W2453+70 W2461+00	Lt.	730
W2453+70 W2455+00	Mall	130
W2455+00 W2461+00	Lt.	600
E2455+00 E2461+00	Rt.	600
W2465+00 W2476+50	Lt.	1150
E2466+00 E2476+50	Rt.	1050
W2481+65 W2489+00	Lt.	735
E2481+65 E2489+00	Rt.	735
W2492+65 W2510+60	Lt.	1795
W2492+65 W2498+65	Lt.	600
E2492+65 E2498+65	Rt.	600
E2493+60 E2508+10	Rt.	1450
W2498+65 W2502+65	Lt.	400
E2498+65 E2502+65	Rt.	400
W2516+20 W2518+75	Lt.	255
E2516+20 E2520+20	Rt.	400
W2533+30 W2534+80	Lt.	150
E2532+50 E2534+80	Rt.	230
W2538+50 W2544+90	Lt.	630
E2538+50 E2540+75	Rt.	225
W2545+65 W2559+30	Xing	180
E2559+30 E2564+90	Lt.	560
E2558+00 E2565+25	Rt.	725
W2570+10 W2591+00	Lt.	2090
Total for Road		24260
Structure #2 - Bridge Sta. W2410+70		396
Structure #5 - Bridge Sta. W2511+51		488
Structure #8 - Bridge Sta. W2550+82		859
Total for Structures		1303
Grand Total		25563
For Estimate		1437
Contract Total		27000

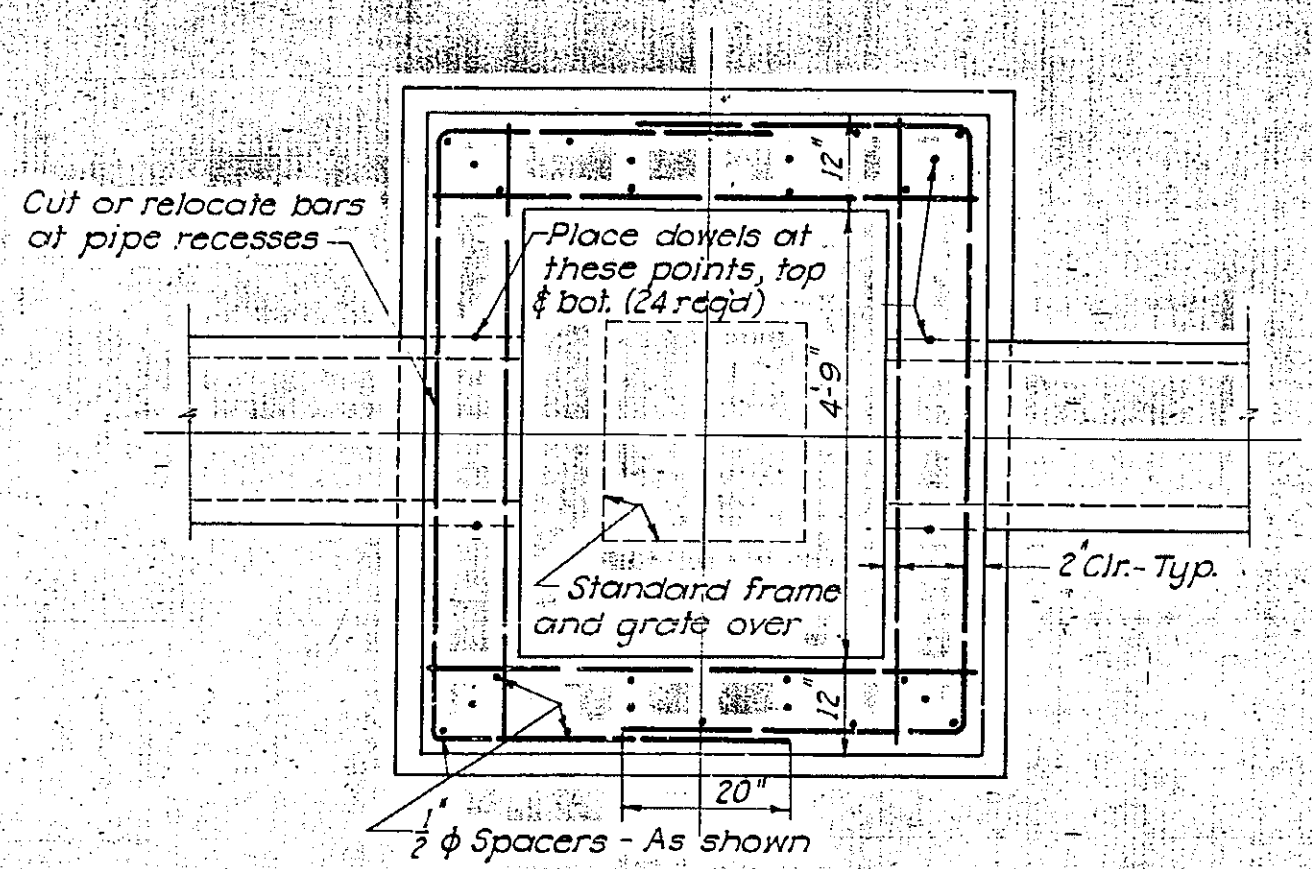
ITEM 140
STONE BANK PROTECTION

LOCATION	STATION	C.Y.
Stirling Creek North	W2410+70	
Stirling Creek South	W2410+70	4122
Pratt Creek North	W2478+15±	
Pratt Creek South	W2478+15±	39
Bridenbaker Creek North	W2514+85	
Bridenbaker Creek South	W2514+85	67
Stream @ Structure #7 North	W2547+03	
Stream @ Structure #7 South	W2547+03	45
Stream @ Structure #9 North	W2569+02	
Stream @ Structure #9 South	W2569+02	27
Stream @ T2 C.M.P. Culvert North	W2489+43	
Stream @ T2 C.M.P. Culvert South	W2489+43	None
Stream @ T2 C.M.P. Culvert North	W2556+30	
Stream @ T2 C.M.P. Culvert South	W2556+30	None
Stream @ 60 C.M.P. Culvert North	W2529+12	
Stream @ 60 C.M.P. Culvert South	W2529+12	None

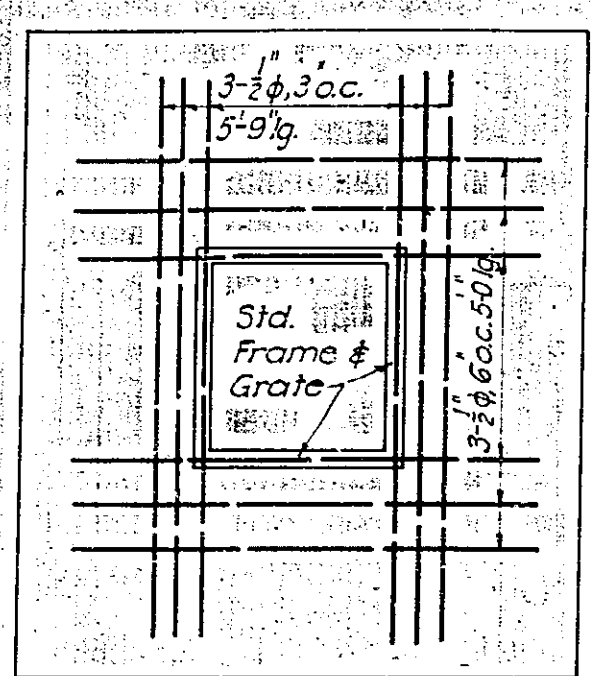
Contract Total 4300

DRAINAGE STRUCTURES
AND
TABULATIONS

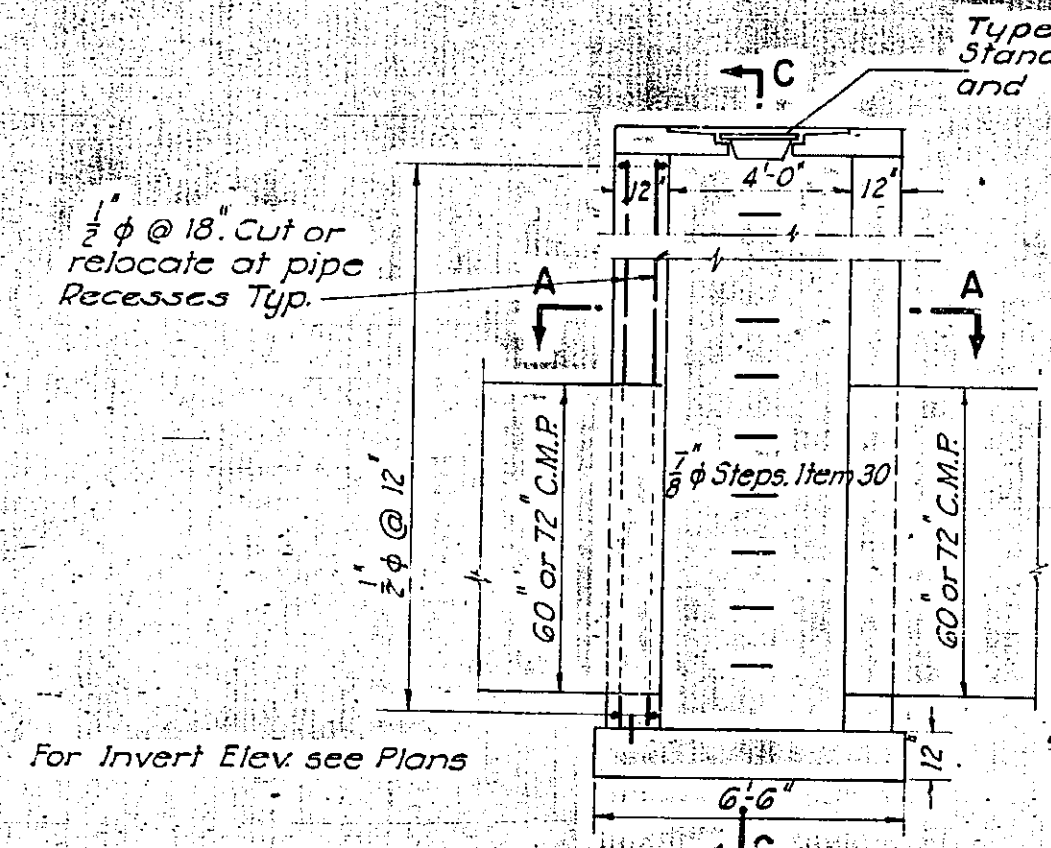
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13-B-8	AS SHOWN	4-1-52		



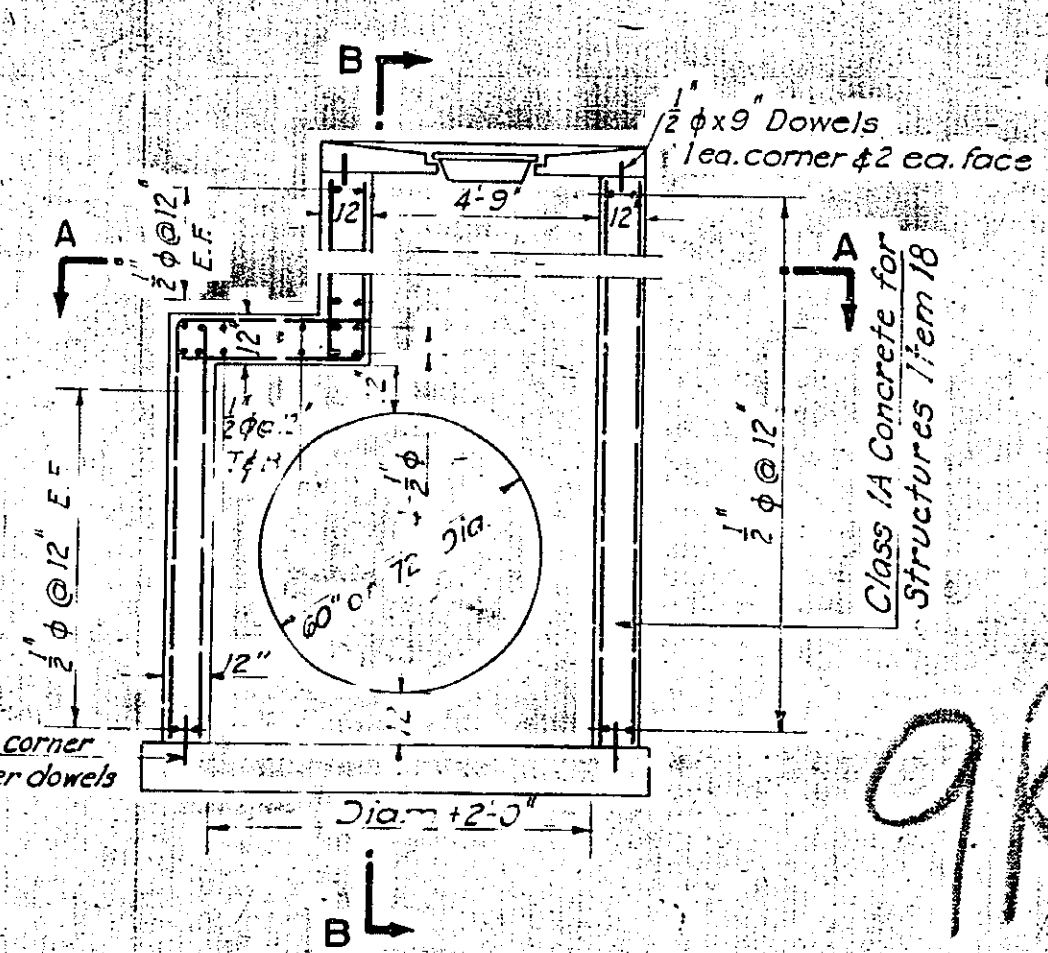
SECTION A-A



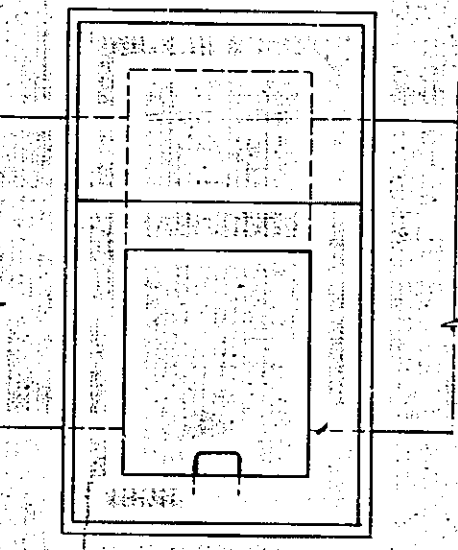
TOP SLAB



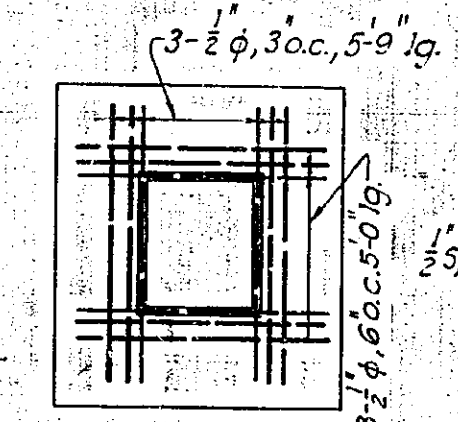
ELEVATION SECTION B-B



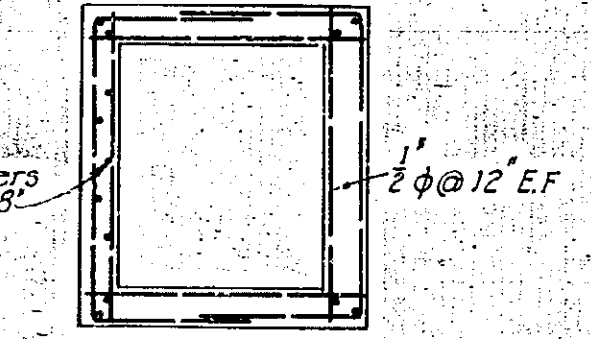
ELEVATION SECTION C-C



PLAN SECTION A-A

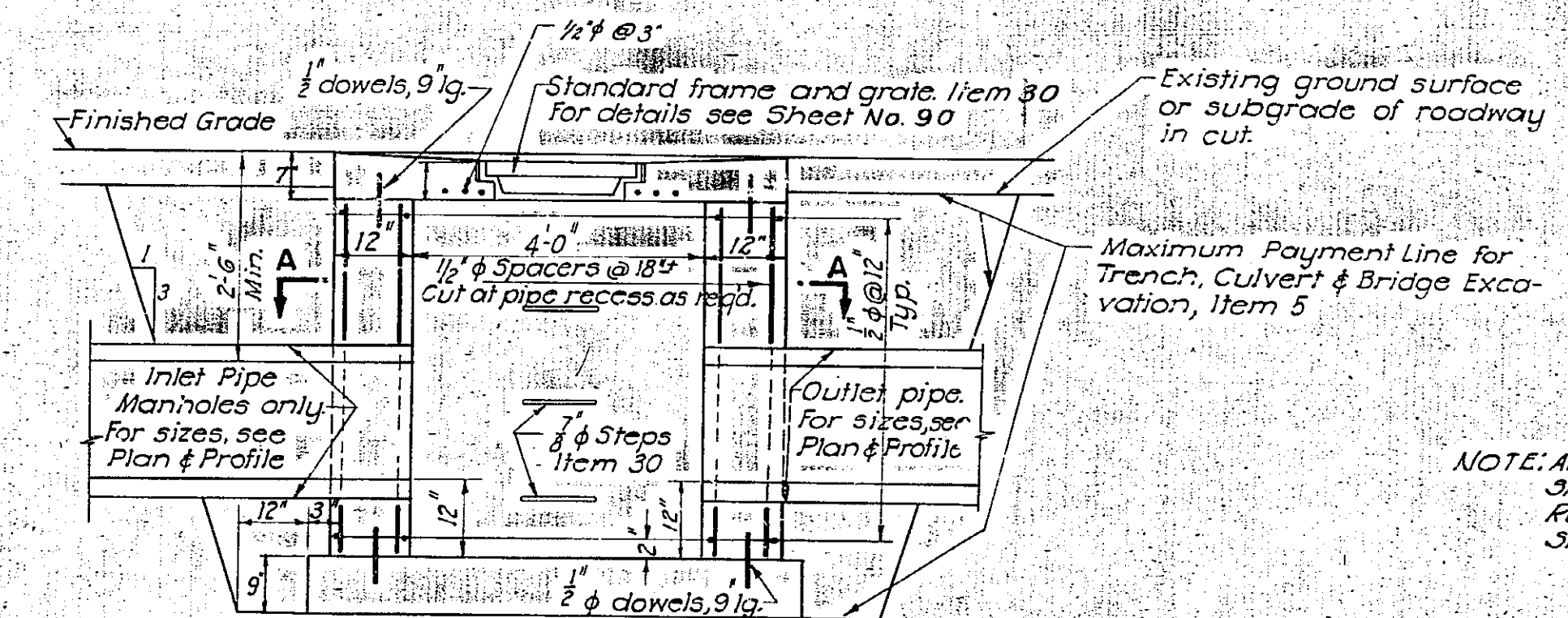


TOP SLAB



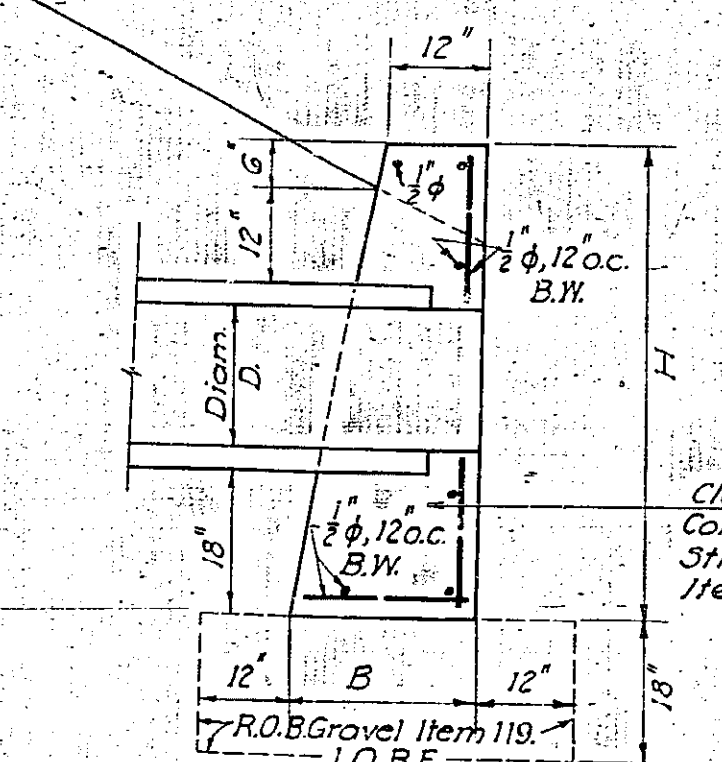
M. H. REINFORCING

60" & 72" PIPE MANHOLE
Scale: 1/2" = 1'-0"

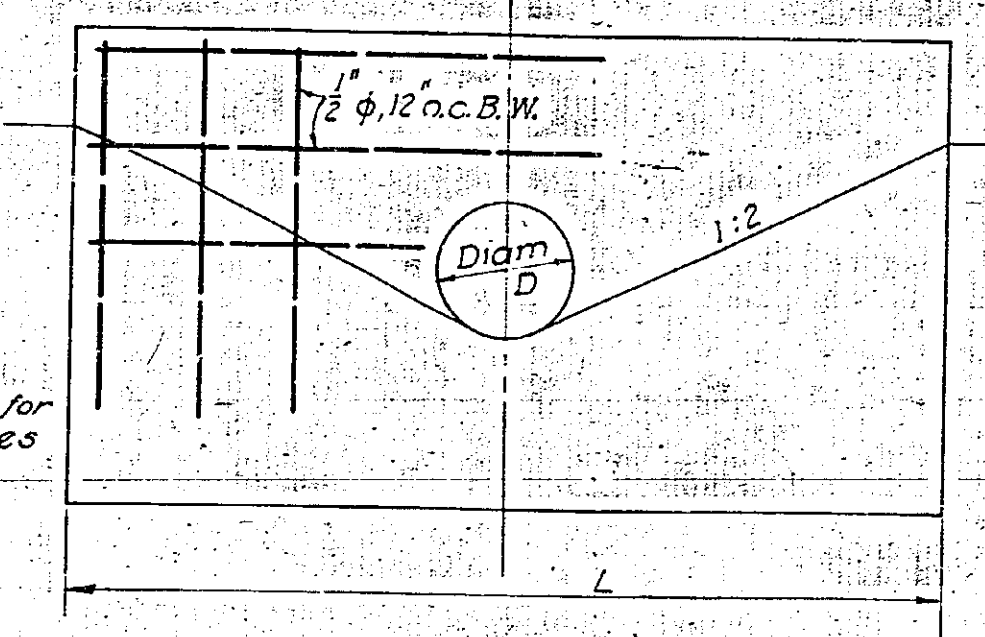


STANDARD MANHOLE & INLET DETAIL
Scale: 1/2" = 1'-0"

NOTE: All Dowels and Bars
shall be included as Bar
Reinforcement for
Structures - Item 28

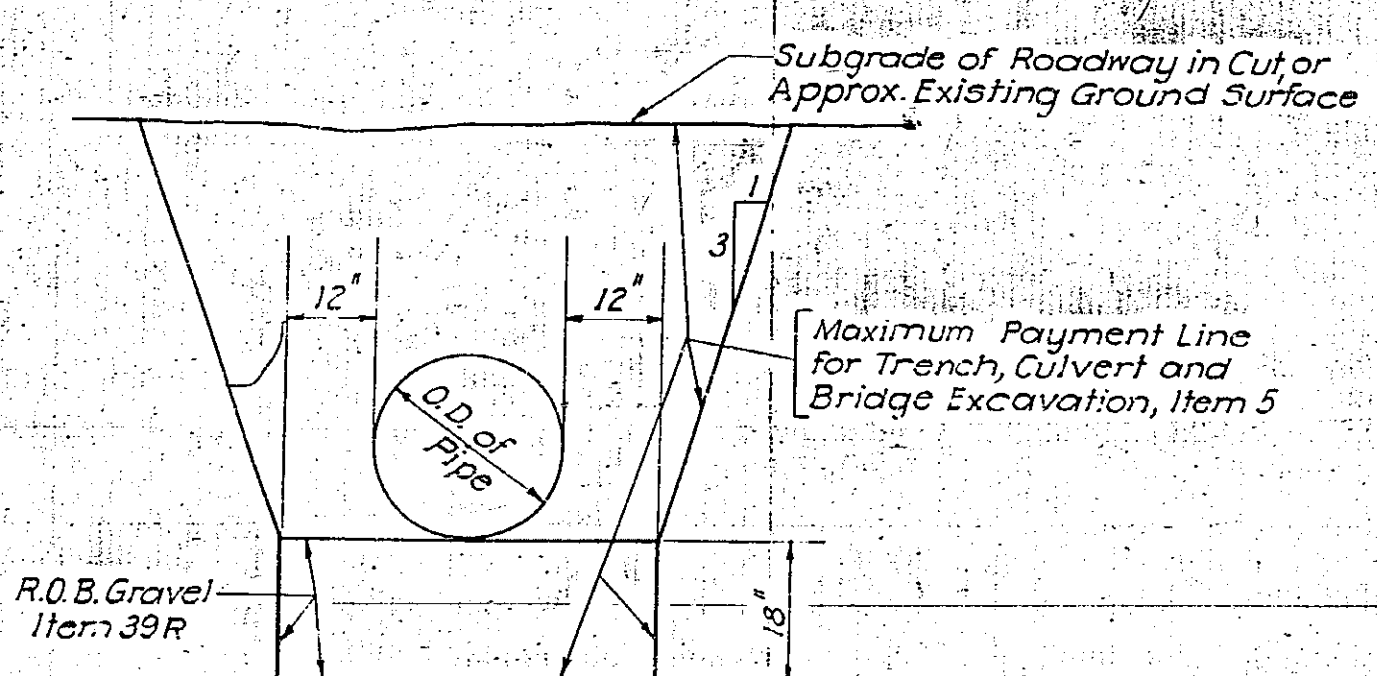


HEADWALL DETAILS
Scale: 1/2" = 1'-0"



Pipe Diam. D	L	H	B
60"	23'-4"	8'-6"	3'-5"
72"	27'-4"	9'-6"	3'-10"

For Headwalls on smaller pipes,
see Standard Sheet 49-6



EXCAVATION PAYMENT LINES FOR PIPES
Scale: 1/2" = 1'-0"

For Excavation Payment Lines
of Relocated Channels, see Sheet No. 87

In charge of R. Brown
Made by S. Brown
Traced by S.A.C.
Checked by L.S. R.H.

PREPARED AND RECOMMENDED:
FRANCIS L. BROWN - N.Y.S.P.E. LIC. NO. 19032
HAROLD A. BLAUVELT - N.Y.S.P.E. LIC. NO. 19032
DATE 6-30-52
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

MT 52-7
~~101~~
 97

It = 10YR 6" Pipe Underdrain, Opt. 6" Diam.			
Station	Station	Side	Linear Feet
2397+50	2398+00	LT	96
2398+38	2398+90	LT	252
2398+00	2398+94	LT	594
2398+97	2397+75	LT	579
2397+85	2373+65	LT	579
2371+84	SPECIAL	L to E	180
2374+06	SPECIAL	parallel and L to E	210
2373+75	2381+90	LT	815
2381+94	2394+50	LT	1272
2391+64	2397+20	RT	546
2394+66	2399+91	LT	530
2416+71	2435+50	LT	1894
2417+00	2423+40	RT	640
2423+50	2426+05	RT	255
2452+70	2454+00	LT	130
2452+70	2459+00	E MAUL	130
2454+10	2459+50	LT	540
2454+10	2459+53	1st LINE MALL	543
2454+10	2459+53	2nd LINE MALL	543
2465+00	2470+00	LT	501
2466+04	2470+00	RT	400
2470+00	2476+50	LT	624
2470+26	2476+50	RT	624
2481+09	2488+80	LT	771
2481+20	2488+50	RT	730
2492+65	2498+57	LT	572
2493+38	2498+57	RT	519
2494+00	SPECIAL		126
2494+85	SPECIAL		105
2498+65	2508+00	RT	936
2498+67	2504+30	LT	563
2500+50	SPECIAL		153
2502+60	SPECIAL		126
2503+50	2564+50	ANGLE	316
2504+00	SPECIAL		316
2504+69	2509+43	LT	474
2513+76	2514+00	2-24' LINES	48
2531+85	2536+00	RT	315
2533+03	2536+00	LT	312
2536+96	2537+15	SPECIAL	150
2537+00	2542+79	LT	675
2537+59	2541+34	RT	375
2545+15	2546+26	SPECIAL	111
2545+30	2546+00	SPECIAL	324
2557+90	2565+00	RT	698
2559+00	2565+00	LT	700
2570+00	2575+96	LT	596
2576+00	2580+90	LT	490
2581+00	2591+00	LT	1000
151+75	159+14	LT	1473
164+70	168+30	LT	387
168+80	169+90	LT	110
171+00	174+00	LT	300
SE 11+25	SE 12+68	RT	147
TOTAL			26,415 L.F.
This total includes Thruway, Route 5 Relocation and County and Access roads.			
Structure #2 - Bridge Sta. W2410+70			376
Structure #5 - Bridge Sta. W2511+51			488
Structure #8 - Bridge Sta. W2550+82			869
Combined Total			28,168

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	10	90

NEW YORK STATE THRUWAY — MOHAWK SECTION
SUBDIV. 10-A

STATION & OFFSET		REMARKS
DRAINAGE STRUCTURES THRUWAY		
W2356+00 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN. CONNECT TO M.H. AT STA. W2356+00 (45' R) WITH 72 L.F. OF 24" R.C.P.
W2356+00 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2356+00 (141' R) WITH 96 L.F. OF 24" R.C.P.
W2356+00 (141' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2361+97 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2361+97 (36' R) WITH 64 L.F. OF 24" R.C.P. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN.
W2361+97 (36' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2361+97 (124' R) WITH 88 L.F. OF 24" R.C.P.
W2361+97 (124' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2367+85 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN. CONNECT TO M.H. AT STA. W2368+57 (35' R) WITH 100 L.F. OF 24" R.C.P.
W2368+57 (35' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2368+40 (157' R) WITH 124 L.F. OF 24" R.C.P.
W2368+40 (157' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2373+75 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2373+75 (35' R) WITH 60 L.F. OF 24" R.C.P. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN.
W2373+75 (35' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2373+75 (103' R) WITH 68 L.F. OF 24" R.C.P.
W2373+75 (103' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2382+00 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO MANHOLE AT STA. W2382+00 (41' R) WITH 68 L.F. OF 24" R.C.P. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN.
W2382+00 (41' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2382+00 (120' R) WITH 80 L.F. OF 24" R.C.P.
W2382+00 (120' R)		BUILD HEADWALL. PROVIDE OUTLET TO LONGITUDINAL DITCH.
W2394+50 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN. CONNECT TO M.H. AT STA. W2394+50 (45' R) WITH 72 L.F. OF 24" R.C.P.
W2394+50 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2397+20 (45' R) WITH 272 L.F. OF 24" R.C.P.
W2397+20 (R)		BUILD STANDARD GUTTER, 3' WIDE END STA. W2397+88.
W2397+20 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2397+20 (125' R) WITH 80 L.F. OF 24" R.C.P.
W2397+20 (125' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2400+70 (45' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2400+70 (45' R) WITH 92 L.F. OF 24" R.C.P. PROVIDE INLET DITCH AS ORDERED.
W2400+70 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2400+70 (137' R) WITH 92 L.F. OF 24" R.C.P.
W2400+70 (137' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2407+70 (45' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2407+70 (137' R) WITH 92 L.F. OF 24" R.C.P.
W2407+70 (137' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH TO STERLING CREEK.
W2411+50 (45' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO BRIDGE (STERLING CREEK) AT STA. W2411+00 WITH 52 L.F. OF 24" R.C.P.
W2417+00 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2417+00 (135' R) WITH 92 L.F. OF 24" R.C.P.
W2417+00 (135' R)		BUILD HEADWALL. PROVIDE OUTLET TO LONGITUDINAL DITCH.
W2423+50 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2417+00 (45' R) WITH 652 L.F. OF 24" R.C.P.
W2423+50 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN. CONNECT TO M.H. AT STA. W2423+50 (45' R) WITH 72 L.F. OF 24" R.C.P.
W2423+50 (117' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2423+50 (45' R) WITH 72 L.F. OF 24" R.C.P. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN.
W2435+50 (32' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2435+50 (45' R) WITH 76 L.F. OF 24" R.C.P. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN.
W2435+50 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2435+50 (130' R) WITH 84 L.F. OF 24" R.C.P.
W2435+50 (130' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH TO LONGITUDINAL DITCH.
W2442+00 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2442+00 (45' R) WITH 72 L.F. OF 24" R.C.P.
W2442+00 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2442+00 (125' R) WITH 80 L.F. OF 24" R.C.P.
W2442+00 (125' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH TO LONGITUDINAL DITCH.
W2447+70 (33' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2448+25 (45' R) WITH 96 L.F. OF 24" R.C.P.
W2448+25 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2448+25 (129' R) WITH 84 L.F. OF 24" R.C.P.
W2448+25 (129' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH TO LONGITUDINAL DITCH.
W2448+90 (135' R)		BUILD HEADWALL. PROVIDE INLET DITCH.
W2449+70 (135' R)		BUILD HEADWALL. CONNECT TO HEADWALL AT STA. W2448+90 (135' R) WITH 80 L.F. OF 24" R.C.P. PROVIDE OUTLET DITCH.
W2455+00 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. PROVIDE OPENINGS FOR ONE 6" PIPE UNDERDRAIN.
W2455+00 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2455+00 (45' R) WITH 72 L.F. OF 24" R.C.P. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN.
W2461+00 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2455+00 (45' R) WITH 600 L.F. OF 24" R.C.P. PROVIDE CONNECTIONS AND/OR OPENINGS FOR TWO 6" PIPE UNDERDRAINS.
W2461+00 (35' L)		BUILD HEADWALL. CONNECT TO M.H. AT STA. W2461+00 (45' R) WITH 80 L.F. OF 24" R.C.P. PROVIDE CONNECTION IN PIPE FOR 6" PIPE UNDERDRAIN. PROVIDE INLET DITCH AS ORDERED.
W2464+00 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2461+00 (45' R) WITH 300 L.F. OF 24" R.C.P.
W2464+00 (35' L)		BUILD HEADWALL. CONNECT TO M.H. AT STA. W2464+00 (45' R) WITH 80 L.F. OF 24" R.C.P. PROVIDE INLET DITCH FROM LONGITUDINAL DITCH.
W2470+00 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2464+00 (45' R) WITH 600 L.F. OF 24" R.C.P.
W2470+00 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN. CONNECT TO M.H. AT STA. W2470+00 (45' R) WITH 72 L.F. OF 24" R.C.P.

STATION & OFFSET		REMARKS
DRAINAGE STRUCTURES THRUWAY		
W2470+00 (117' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN. CONNECT TO M.H. AT STA. W2470+00 (45' R) WITH 72 L.F. OF 24" R.C.P.
W2481+50 (119' R)		BUILD HEADWALL.
W2476+50 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2470+00 (45' R) WITH 652 L.F. OF 24" R.C.P. CONNECT TO CULVERT AT STA. W2478+15 WITH 104 L.F. OF 24" R.C.P.
W2476+50 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN. CONNECT TO M.H. AT STA. W2476+50 (45' R) WITH 72 L.F. OF 24" R.C.P.
W2476+50 (117' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN. CONNECT TO M.H. AT STA. W2476+50 (45' R) WITH 72 L.F. OF 24" R.C.P. STRUCTURE NO. 4.4 BUILD 8'x15' CONCRETE BOX 19'-0" LONG. SEE SPECIAL PLAN.
W2479+29 (45' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO CULVERT AT STA. W2478+15 WITH 104 L.F. OF 24" R.C.P.
W2483+00 (45' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2481+50 (119' R) WITH 168 L.F. OF 24" R.C.P.
W2489+43 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2489+18 (140' R) WITH 96 L.F. OF 72" CORRUGATED METAL PIPE.
W2489+18 (140' R)		BUILD HEADWALL (72"). PROVIDE OUTLET DITCH AS ORDERED.
W2489+68 (42' L)		BUILD HEADWALL (72"). CONNECT TO M.H. AT STA. W2489+43 (45' R) WITH 88 L.F. OF 72" CORRUGATED METAL PIPE. PROVIDE INLET DITCH AS ORDERED.
W2492+65 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE CONNECTION FOR 6" UNDERDRAIN. CONNECT TO M.H. AT STA. W2492+65 (45' R) WITH 72 L.F. OF 24" R.C.P.
W2492+65 (127' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2492+65 (45' R)		BUILD M.H. WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2492+65 (127' R) WITH 80 L.F. OF 24" R.C.P. PROVIDE CONNECTIONS FOR TWO 6" UNDERDRAINS.
W2498+67 (45' R)		BUILD M.H. WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2492+65 (45' R) WITH 600 L.F. OF 24" R.C.P. PROVIDE TWO 6" UNDERDRAIN CONNECTIONS.
W2498+67 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2498+67 (45' R) WITH 72 L.F. OF 24" R.C.P. PROVIDE OPENING FOR 6" PIPE UNDERDRAIN.
W2498+67 (117' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2498+67 (45' R) WITH 72 L.F. OF 24" R.C.P.
W2504+69 (45' R)		BUILD M.H. WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2498+67 (45' R) WITH 600 L.F. OF 24" R.C.P.
W2504+69 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2504+69 (45' R) WITH 72 L.F. OF 24" R.C.P. PROVIDE 6" UNDERDRAIN CONNECTION.
W2509+70 (L)		BUILD STANDARD GUTTER, 3' WIDE END STA. W2511+33.
W2510+07 (R)		BUILD STANDARD GUTTER, 3' WIDE END STA. W2511+27.
W2511+76 (45' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. OF STR. #6 AT STA. W2511+68 (45' R) WITH 292 L.F. OF 24" R.C.P.
W2522+74 (45' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2522+74 (140' R) WITH 96 L.F. OF 24" R.C.P.
W2522+74 (140' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2528+76 (45' R)		BUILD M.H. WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2527+38 (182' R) WITH 192 L.F. OF 60" C.M.P.
W2527+38 (182' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH.
W2529+78 (70' L)		BUILD HEADWALL. PROVIDE INLET DITCH. CONNECT TO M.H. AT STA. W2528+76 (45' R) WITH 154 L.F. OF 60" C.M.P.
W2536+39 (45' R)		BUILD M.H. WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2535+87 (169' R) WITH 137 L.F. OF 30" R.C.P.
W2535+87 (169' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2536+72 (40' L)		BUILD HEADWALL (30"). CONNECT TO M.H. AT STA. W2536+39 (45' R) WITH 90 L.F. OF 30" R.C.P.
W2542+29 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2542+29 (45' R) WITH 72 L.F. OF 24" R.C.P. PROVIDE 6" UNDERDRAIN CONNECTION.
W2542+29 (45' R)		BUILD M.H. WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2542+29 (135' R) WITH 92 L.F. OF 24" R.C.P.
W2542+29 (135' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2547+08 (R)		STRUCTURE NO. 7 BUILD 5'x10' CONC. BOX 266'-0" LONG, SKEW = 18°. SEE SPECIAL PLAN.
W2551+45 (45' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2552+89 (150' R) WITH 184 L.F. OF 24" R.C.P.
W2552+89 (150' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2555+08 (R)		BUILD STANDARD GUTTER, 3' WIDE END STA. W2557+69.
W2556+65 (45' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2556+65 (135' R) WITH 92 L.F. OF 24" R.C.P.
W2556+65 (135' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2556+70 (48' L)		BUILD HEADWALL. PROVIDE INLET DITCH. CONNECT TO HEADWALL AT STA. W2555+10 (178' R) WITH 276 L.F. OF 72" C.M.P.
W2555+10 (178' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2562+40 (45' R)		BUILD M.H. WITH TYPE "B" FRAME & GRATE. CONNECT TO M.H. AT STA. W2556+65 (45' R) WITH 576 L.F. OF 24" R.C.P.
W2562+40 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE 6" UNDERDRAIN CONNECTION. CONNECT TO M.H. AT STA. W2562+40 (45' R) WITH 72 L.F. OF 24" R.C.P.
W2562+40 (117' R)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE 6" UNDERDRAIN CONNECTION. CONNECT TO M.H. AT STA. W2562+40 (45' R) WITH 72 L.F. OF 24" R.C.P. STRUCTURE NO. 9 BUILD 6'x8' CONC. BOX 253'-8" LONG SKEW = 15°. SEE SPECIAL PLANS.
W2574+96 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE 6" UNDERDRAIN CONNECTION. CONNECT TO M.H. AT STA. W2574+96 (45' R) WITH 72 L.F. OF 24" R.C.P.
W2574+96 (45' R)		BUILD M.H. WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2574+96 (133' R) WITH 88 L.F. OF 24" R.C.P.
W2574+96 (133' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
W2580+98 (27' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE. PROVIDE 6" UNDERDRAIN CONNECTION. CONNECT TO M.H. AT STA. W2580+98 (47' R) WITH 72 L.F. OF 24" R.C.P.
W2580+98 (47' R)		BUILD M.H. WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. W2580+98 (161' R) WITH 116 L.F. OF 24" R.C.P.
W2580+98 (161' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.

STATION & OFFSET		REMARKS
DRAINAGE STRUCTURES		
ROUTE 5		
141+50 (41' R)		BUILD HEADWALL. CONNECT TO M.H. AT STA. 141+50 (42' L) WITH 80 L.F. OF 24" R.C.P.
141+50 (42' L)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. CONNECT TO HEADWALL AT STA. J3+90 (34' L) WITH 76 L.F. OF 18" R.C.P.
145+50 (64' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. 145+50 (60' L) WITH 124 L.F. OF 24" R.C.P.
145+50 (60' L)		BUILD HEADWALL. PROVIDE INLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. 159+14 (71' R) WITH 136 L.F. OF 24" R.C.P.
159+14 (71' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. 159+14 (65' L) WITH 136 L.F. OF 24" R.C.P.
159+14 (65' L)		BUILD HEADWALL. PROVIDE INLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. 164+70 (45' R) WITH 76 L.F. OF 24" R.C.P.
164+70 (45' R)		BUILD HEADWALL. PROVIDE INLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. 168+80 (29' L) WITH 72 L.F. OF 24" R.C.P.
168+80 (29' L)		BUILD HEADWALL. PROVIDE BROAD DITCH TO THE EXISTING CULVERT AS ORDERED.
"H" LINE		
H7+00 (20' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. H7+00 (20' L) WITH 40' OF 18" R.C.P.
H7+00 (20' L)		BUILD INLET WITH TYPE "B" FRAME & GRATE.
H14+60 (20' R)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. H14+60 (20' L) WITH 40 L.F. OF 18" R.C.P.
H14+60 (20' L)		BUILD HEADWALL.
"J" LINE		
J3+90 (34' L)		BUILD HEADWALL.
CO. RD. #53		
SE17+00 (32' R)		BUILD HEADWALL. PROVIDE INLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. SE17+00 (32' L) WITH 64 L.F. OF 18" R.C.P.
SE17+00 (32' L)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
SE19+54 (19' R)		BUILD HEADWALL. PROVIDE INLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. SE19+54 (25' L) WITH 44 L.F. OF 18" R.C.P.
SE19+54 (25' L)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
SE23+65 (38' R)		BUILD HEADWALL. PROVIDE INLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. SE23+65 (38' L) WITH 76 L.F. OF 18" R.C.P.
SE23+65 (38' L)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
SE27+40 (25' R)		BUILD MANHOLE WITH TYPE "B" FRAME & GRATE. PROVIDE CONNECTION TO EXISTING CULVERT AT STA. DS 5+86 WITH 20 L.F. OF 18" R.C.P. CONNECT TO HEADWALL AT STA. SE27+40 (43' L) WITH 68 L.F. OF 18" R.C.P.
SE27+40 (43' L)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED.
CO. RD. #211		
W2550+40 (60' L)		BUILD HEADWALL. PROVIDE OUTLET DITCH AS ORDERED. CONNECT TO HEADWALL AT STA. W2550+85 (60' L) WITH 14 L.F. OF 18" R.C.P.
W2550+85 (60' L)		BUILD HEADWALL. PROVIDE INLET DITCH AS ORDERED.

In charge of R. H. HARRIS
 Made by F. E. D. A.
 Traced by F. E. D. A.
 Checked by L. S. C. R.

PREPARED AND RECOMMENDED:
Francis L. Brown P.E. 13144
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

DRAINAGE TABULATIONS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13B-9	None	4-1-52		

SUBDIV. 10-A

[illegible][illegible][illegible][illegible][illegible][illegible]

SCHEDULE A

LOCATION AND QUANTITY OF PAYMENT ITEMS

SCHEDULE B

DETAIL SPECIFICATIONS TO ACCOMPANY PUBLIC WORKS SPECIFICATIONS

SCHEDULE C

DETAIL SPECIFICATIONS FOR PLANTS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	11	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A

SCHEDULE D

DETAIL SPECIFICATIONS FOR SEEDS

A - MIN. % PURITY C - POUNDS PURE LIVE SEED PER ACRE
B - MIN. % GERMINATION

NAME	VARIETY	A	B	C
(Use where Item 123 Applies)				
Creeping Red Fescue (Festuca rubra)	Commercial	90	75	35
Alta Fescue (Festuca elatior var.)	Commercial	95	90	10
Perennial Ryegrass (Lolium perenne)	Commercial	95	75	10
Alsike Clover (Trifolium hybridum)	Commercial	95	85	5
Rate = 60				
Plus one of the following:				
If seeding is done from April 1 to August 15 use				
Common Oats (Avena sativa) 30 lbs. per acre	Mohawk Clinton	95	90	
If seeding is done from August 15 to April 1 use				
Winter Rye (Secale cereale) 40 lbs. per acre	Commercial	95	90	

SUMMARY

ITEM	TOTAL QUANTITY ROUNDED	NAME OF ITEM
	Nec.	Clearing & Grubbing
1W	Nec.	Furnishing Water Equipment
1WA	150 M Gal.	Applying Water
121	19,750 Cu. Yd.	Topsoil placed from stockpiles
123	100 Acres	Seeding
123B	3.5 Acres	" on prepared areas
124	13,000 Sq. Yd.	Sodding

ROADSIDE DEVELOPEMENT SHEET

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13B-12	None	4-1-52	

STATION TO STATION	SIDE	ITEM	QUANTITY & UNIT	REMARKS
THRUWAY				
2352+00-2591+00	Mall	121	15,660 Cu Yd	Item 121 - In mall from edge of pavement to edge of pavement on structure approaches and on cut slope from 2577+00-2591+00 L as shown on the plans.
2409+00-2410+00	R	121	29 Cu Yd	
2409+30-2410+30	L	121	54 Cu Yd	
2410+80-2411+80	R	121	37 Cu Yd	
2411+20-2412+20	L	121	42 Cu Yd	
2510+30-2511+30	R	121	42 Cu Yd	
2510+40-2511+40	L	121	16 Cu Yd	
2511+60-2516+00	R	121	205 Cu Yd	
2511+70-2515+61	L	121	239 Cu Yd	
2549+80-2550+80	R	121	67 Cu Yd	
2549+50-2550+50	L	121	41 Cu Yd	
2551+30-2552+30	R	121	58 Cu Yd	
2551+00-2552+00	L	121	39 Cu Yd	
2577+00-2591+00	L	121	778 Cu Yd	
2352+00-2591+00	Mall	123	36.89 Acres	Item 123 - From bottom of shoulder weep to end of road section in fill, and bottom of ditch to end of road section in cut. Edge of pavement to edge of pavement in Mall.
2352+00-2409+00	R	123	2.80 Acres	
2409+00-2410+00	R	123B	0.07 Acres	
2352+00-2409+30	L	123	1.92 Acres	
2409+30-2410+30	L	123B	0.13 Acres	
2410+80-2411+80	R	123B	0.09 Acres	
2411+20-2510+30	R	123	4.95 Acres	Item 123B - From bottom of shoulder weep to end of road section on structure approaches only.
2510+30-2511+30	R	123B	1.10 Acres	
2411+20-2412+20	L	123B	1.10 Acres	
2412+20-2510+40	L	123	5.29 Acres	
2510+40-2511+40	L	123B	0.04 Acres	
2511+60-2512+60	R	123B	0.16 Acres	
2512+60-2549+80	R	123	3.74 Acres	
2549+80-2550+80	R	123B	0.16 Acres	
2511+70-2512+70	L	123B	0.12 Acres	
2512+70-2549+50	L	123	3.36 Acres	
2549+50-2550+50	L	123B	0.10 Acres	
2551+30-2552+30	R	123B	0.14 Acres	
2552+30-2591+00	R	123	3.83 Acres	
2551+00-2552+00	L	123B	0.09 Acres	
2552+00-2591+00	L	123	2.77 Acres	
2405+70-2410+00	R	124	200 Sq Yd	Sod gutter as shown on plans.
2409+00-2410+00	R	124	94 Sq Yd	Sod stripping & wingwall gutter at Str. #2.
2409+30-2410+30	L	124	94 Sq Yd	"
2410+80-2411+80	R	124	94 Sq Yd	"
2411+20-2412+20	L	124	94 Sq Yd	"
2410+70-2417+00	R	124	340 Sq Yd	Sod gutter as shown on plans.
2417+00-2447+70	L	124	35 Sq Yd	"
2448+70-2450+70	L	124	100 Sq Yd	"
2449+70-2455+00	R	124	265 Sq Yd	"
2477+55-2478+75	R	124	120 Sq Yd	Sod stripping & wingwall gutter at Str. #4.
2477+55-2478+75	L	124	102 Sq Yd	
2482+65-2503+65	L	124	1087 Sq Yd	Interceptor ditch and slope channels.
2510+30-2511+30	R	124	140 Sq Yd	Sod stripping throughout entire fill including wingwall gutters at Str. #5 & #6.
2510+40-2511+40	L	124	140 Sq Yd	
2511+60-2516+00	R	124	512 Sq Yd	
2511+70-2515+61	L	124	598 Sq Yd	
2512+75-2514+50	L	124	90 Sq Yd	Sod gutter as shown on plans.
2546+40	R	124	12 Sq Yd	Sod gutter around wingwalls.
2546+30	L	124	12 Sq Yd	"
2549+90-2550+90	R	124	140 Sq Yd	Sod stripping & wingwall gutters at Str. #8.
2549+60-2550+60	L	124	140 Sq Yd	"
2551+20-2552+20	R	124	140 Sq Yd	"
2551+00-2552+00	L	124	140 Sq Yd	"
2568+40	R	124	12 Sq Yd	Sod gutter around wingwalls.
2570+00	L	124	12 Sq Yd	"
2577+00-2591+00	L	124	1493 Sq Yd	Interceptor ditch and slope channels
DRAINAGE STRUCTURES				
		124	3315 Sq Yd	65 Manholes & inlets at 51 sq.yd.each
		1WA	100 M Gal.	
STATE ROUTE #5				
146+20-147+20	R	121	75 Cu Yd	
146+70-147+70	L	121	90 Cu Yd	
150+30-151+30	R	121	119 Cu Yd	
150+80-151+80	L	121	69 Cu Yd	
137+33-146+20	R	123	.94 Acres	
146+20-147+20	R	123B	.18 Acres	
137+33-146+70	L	123	.70 Acres	
146+70-147+70	L	123B	.21 Acres	
150+30-151+30	H	123B	.28 Acres	

In charge of R. Hammond
Made by S.E.
Traced by R.R.S.
Checked by R.S.PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S. P.E. LIC. NO. 19032 DATE 6-30-52
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

[illegible]

SCHEDULE C

DETAIL SPECIFICATIONS FOR PLANTS

[illegible]

NAME	VARIETY		
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
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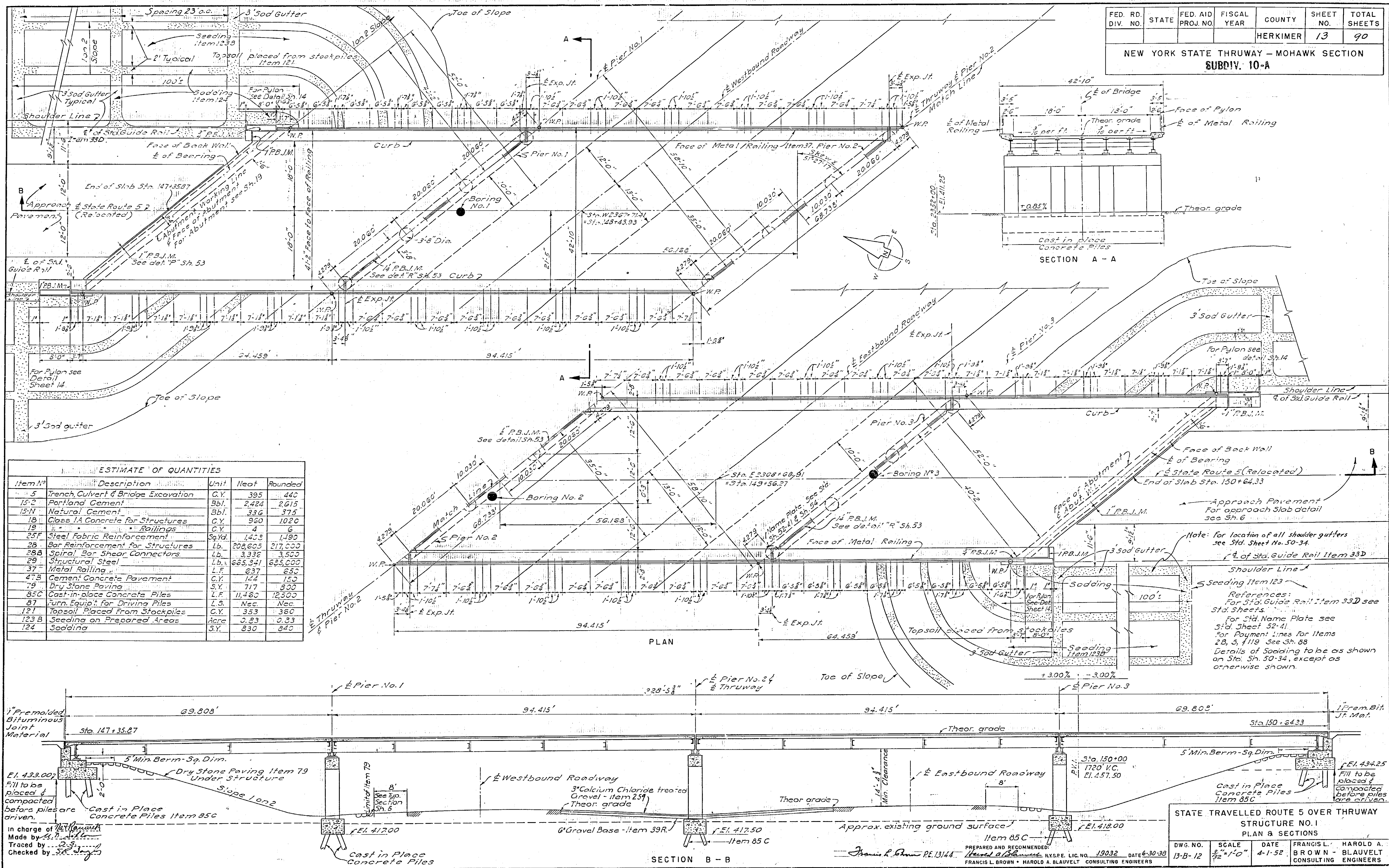
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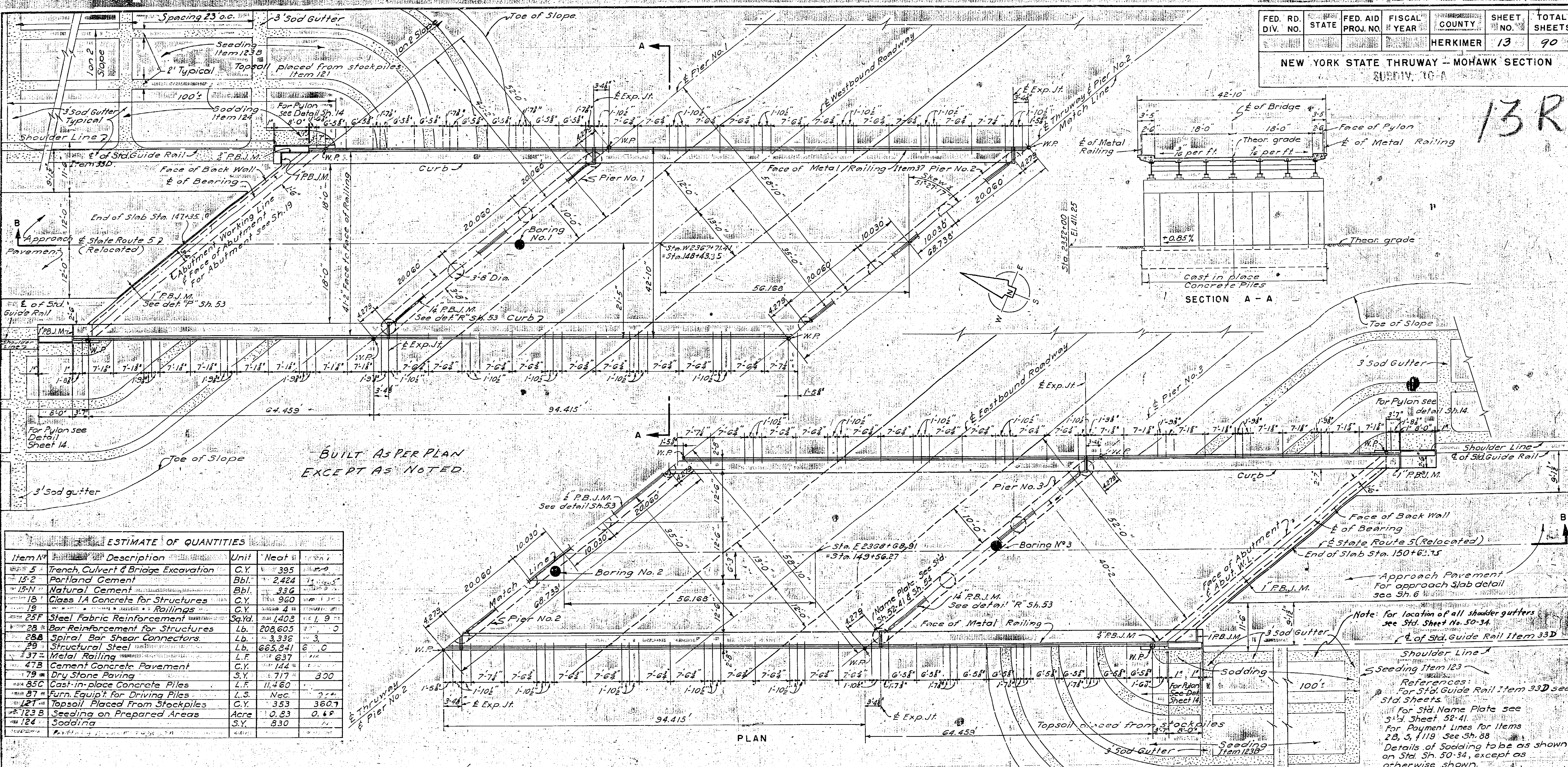
Francis L. Brown
 131/44
 PREPARED AND RECOMMENDED:
 Harold A. Blauvelt
 FRANCIS L. BROWN · HAROLD A. BLAUVELT
 N.Y.S.P.E. LIC. NO. 19032
 DATE 6-30-32
 CONSULTING ENGINEERS

DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A. BROWN — BLAUVELT CONSULTING ENGINEERS
13-B-11	None	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	13	90

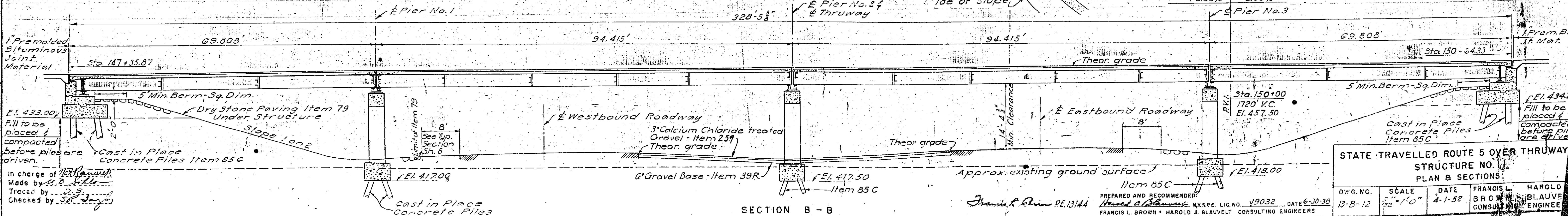
NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A





ESTIMATE OF QUANTITIES

Item No.	Description	Unit	Neat	Net
5	Trench, Culvert & Bridge Excavation	C.Y.	395	395
15-2	Portland Cement	Bbl.	2,424	2,424
15-N	Natural Cement	Bbl.	336	336
18	Class 1A Concrete for Structures	C.Y.	960	960
19	Class 1B Concrete for Structures	C.Y.	2,424	2,424
25F	Steel Fabric Reinforcement	Sq.Yd.	1,403	1,403
28	Bar Reinforcement for Structures	Lb.	208,605	208,605
28B	Spiral Bar Shear Connectors	Lb.	3,336	3,336
29	Structural Steel	Lb.	665,841	665,841
37	Metal Railing	L.F.	637	637
47B	Cement Concrete Pavement	C.Y.	144	144
79	Dry Stone Paving	S.Y.	717	800
85C	Cast-in-place Concrete Piles	L.F.	11,460	11,460
87	Furn. Equip. for Driving Piles	L.S.	Nec.	320
121	Topsoil Placed from Stockpiles	C.Y.	353	360.7
123B	Seeding on Prepared Areas	Acre	0.83	0.68
124	Sodding	S.Y.	830	830



Note: For location of all shoulder gutters see Std. Sheet No. 50-34.

Shoulder Line

Seeding Item 123

References: For Std. Guide Rail Item 33D see Std. Sheets.

For Std. Name Plate see Std. Sheet No. 52-41.

For Payment Lines for Items 28, 5, 119 see Std. Sheet No. 50-34.

Details of Sodding to be as shown on Std. Sheet No. 50-34, except as otherwise shown.

1" Premolded Bituminous Joint Material

Sta. 147+35.87

5 Min. Berm - Sq. Dim.

Dry Stone Paving Item 79 Under Structure

Slope 1 on 2

Cast in Place Concrete Piles Item 85C

EL. 433.00

Fill to be placed & compacted before piles are driven.

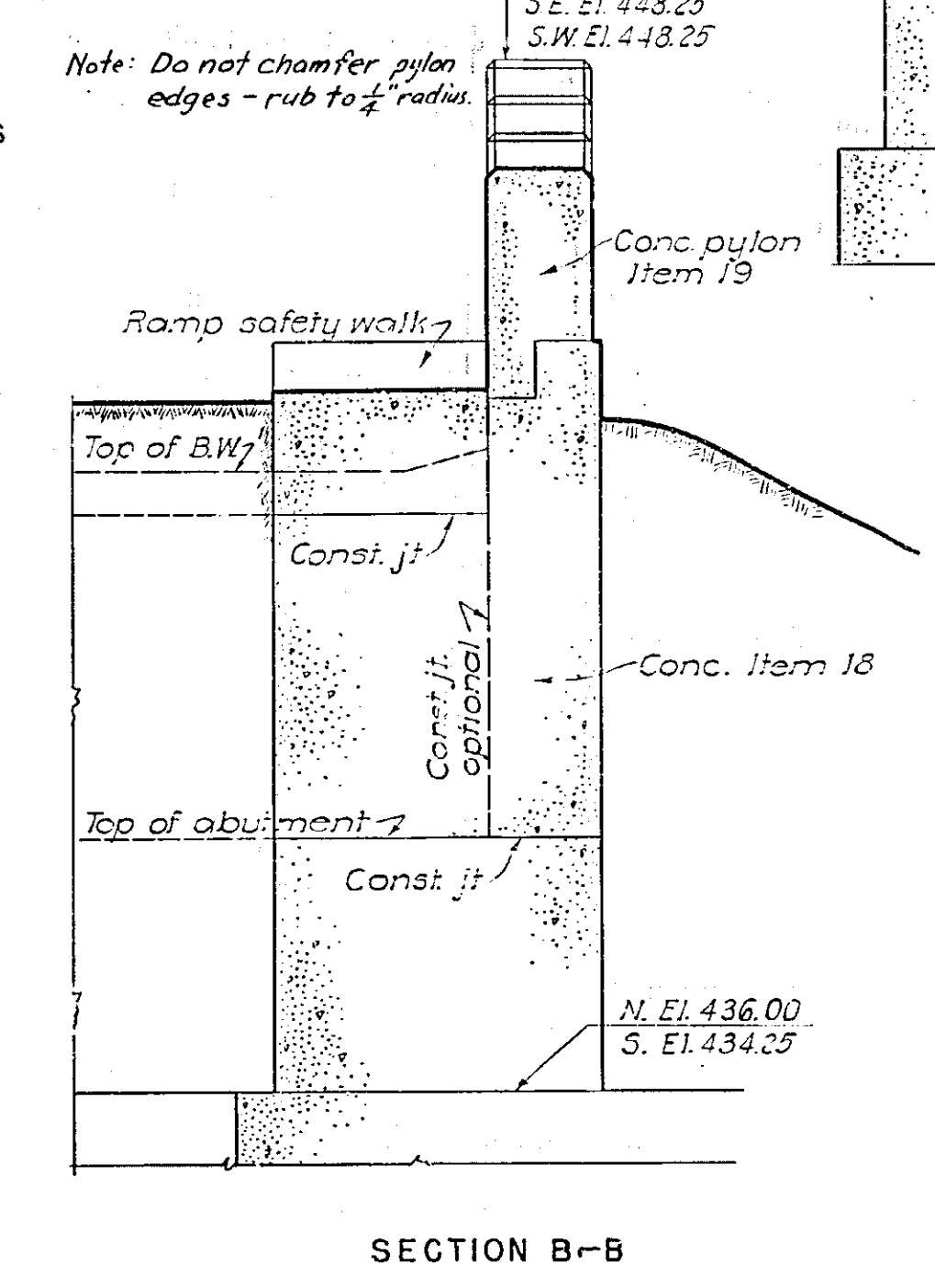
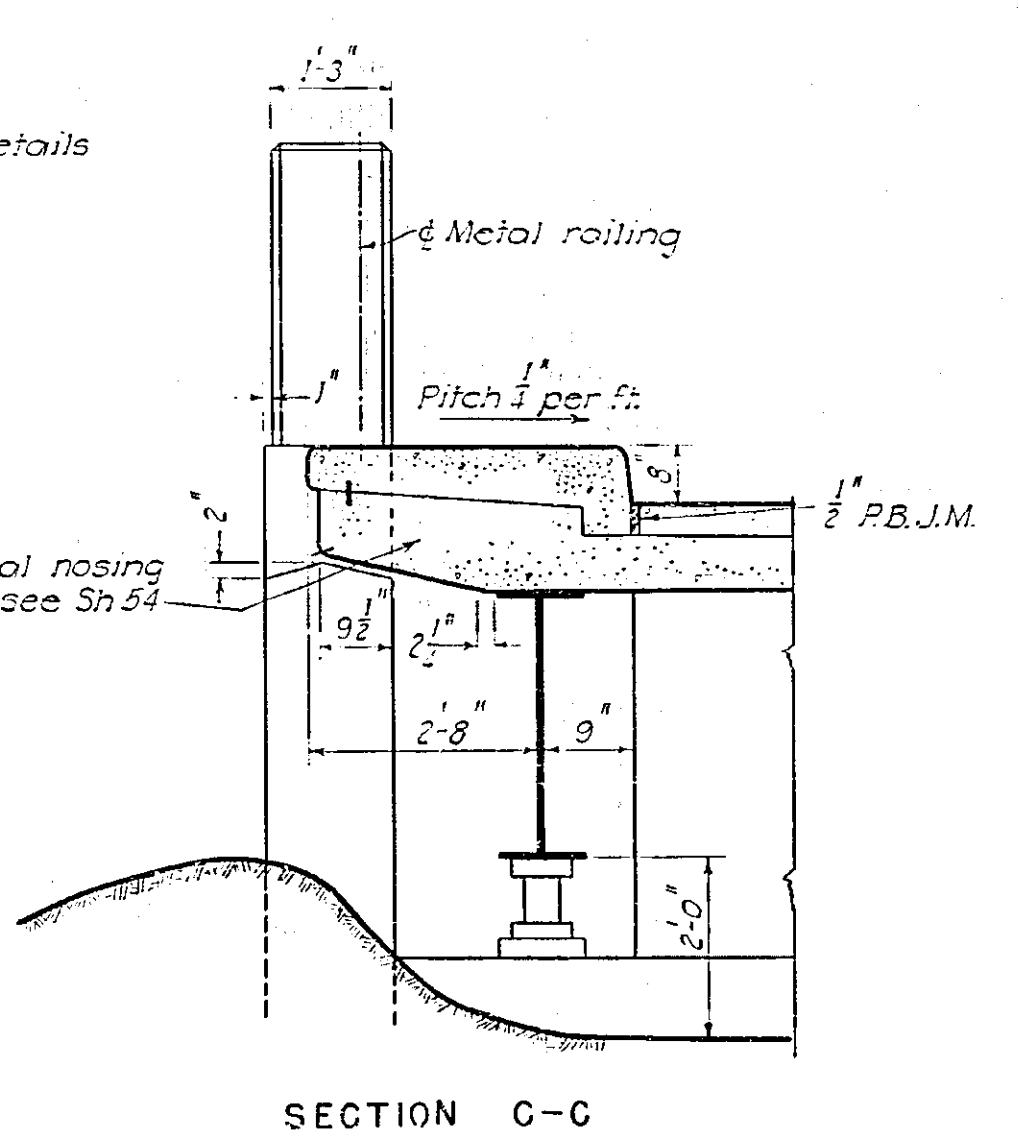
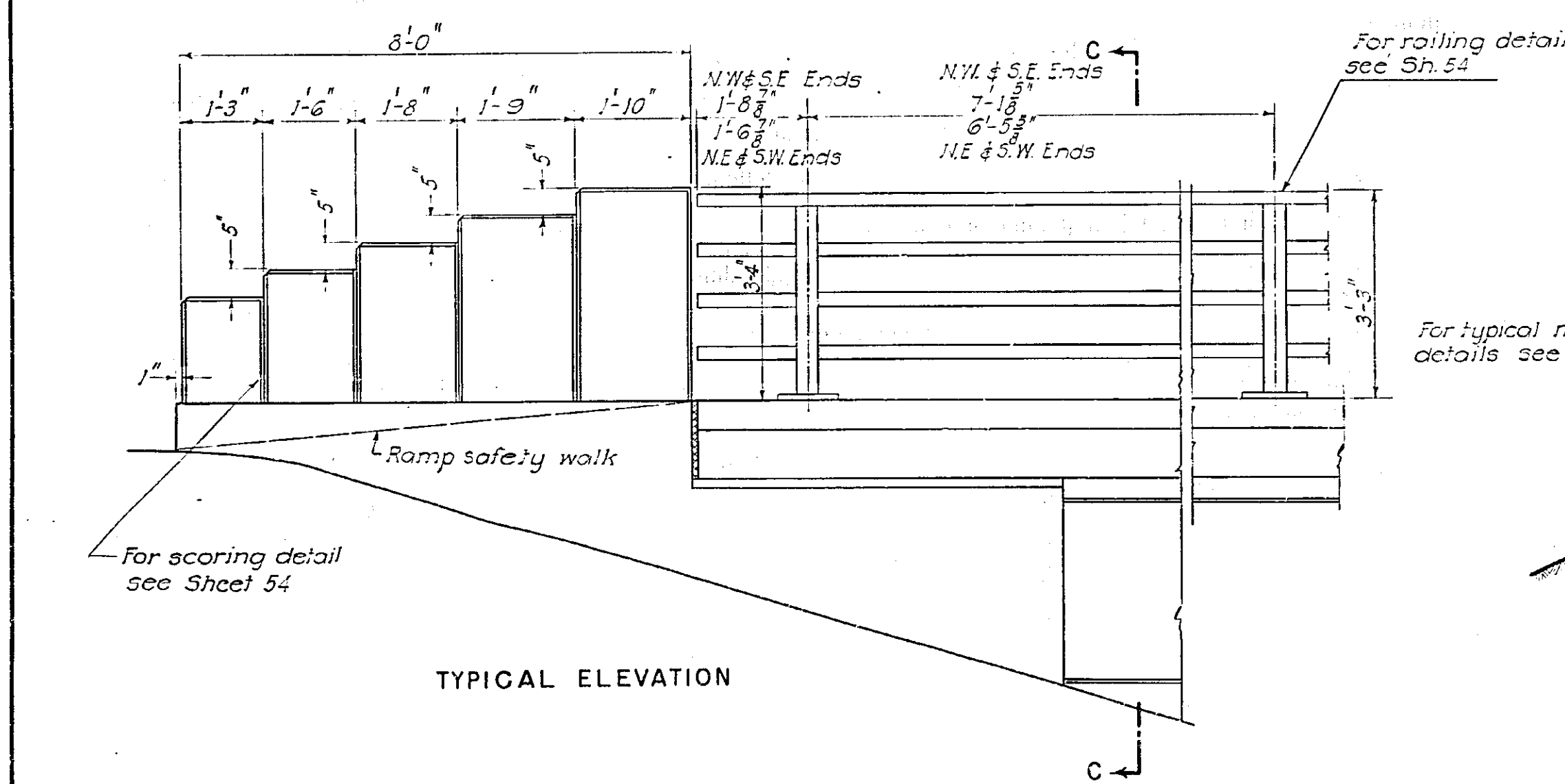
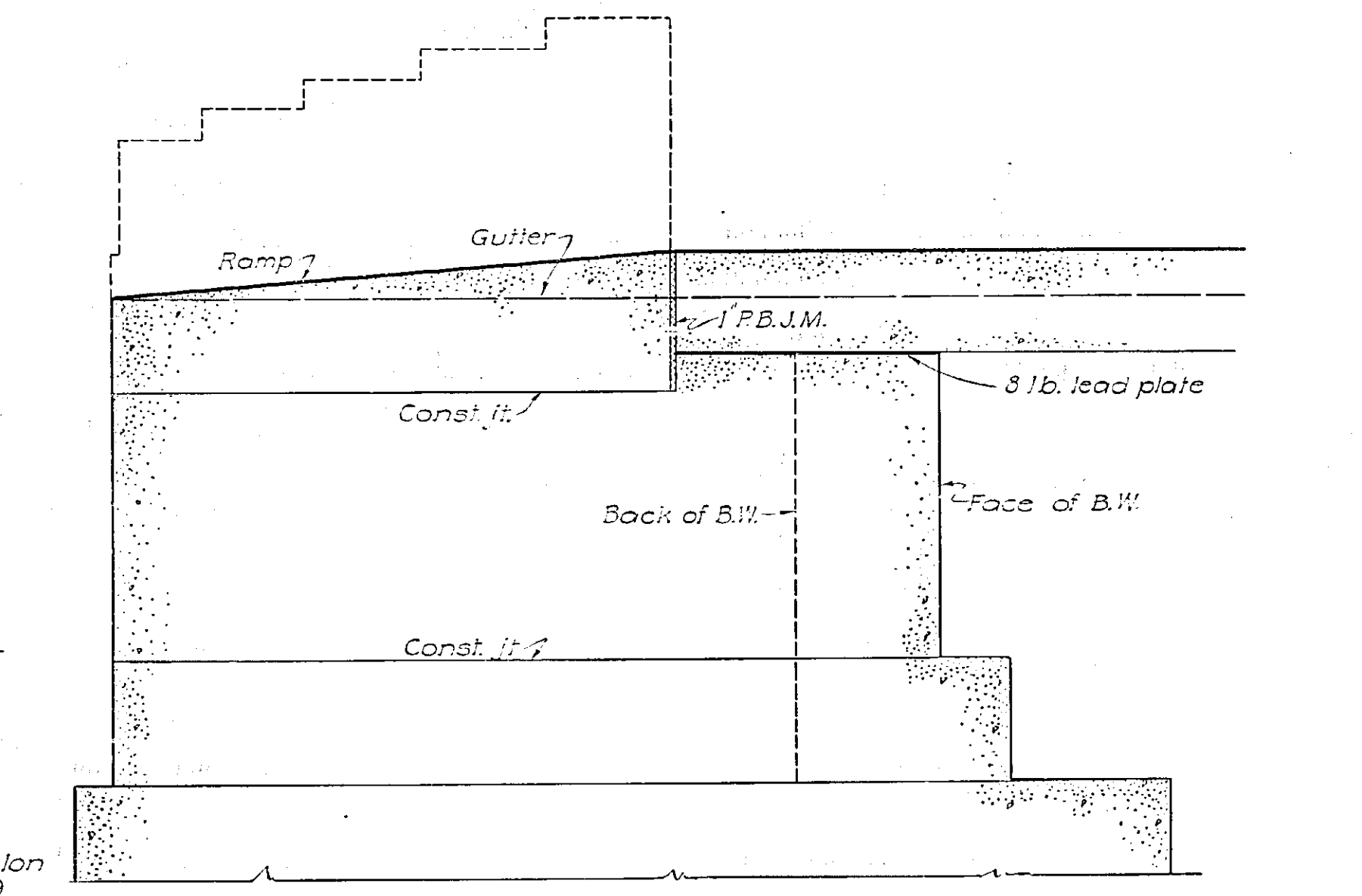
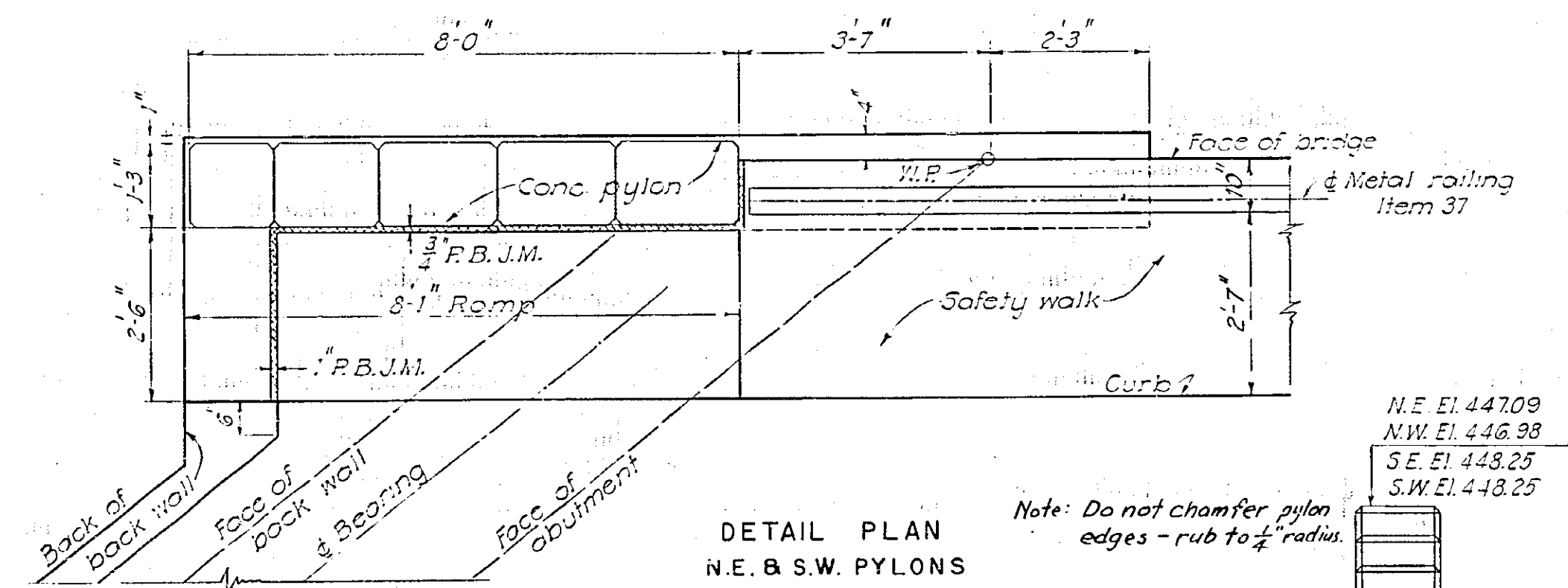
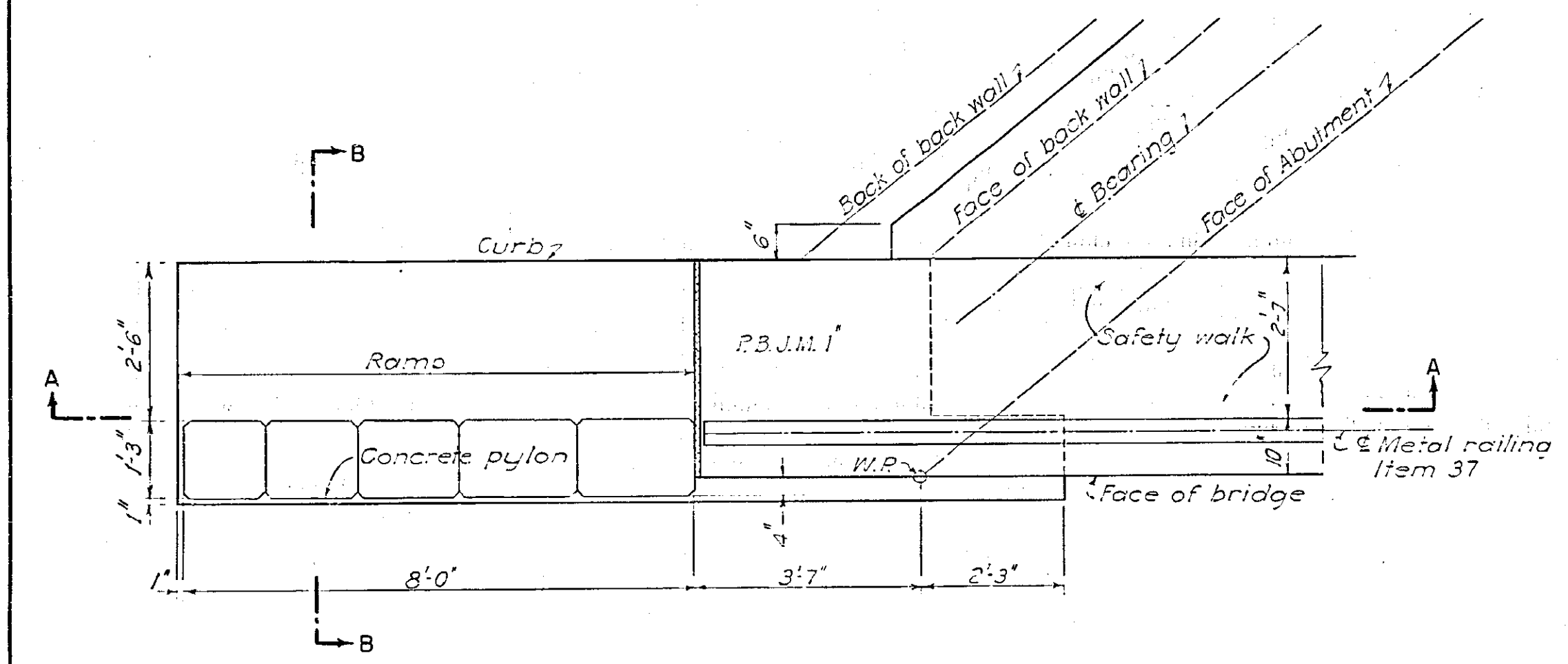
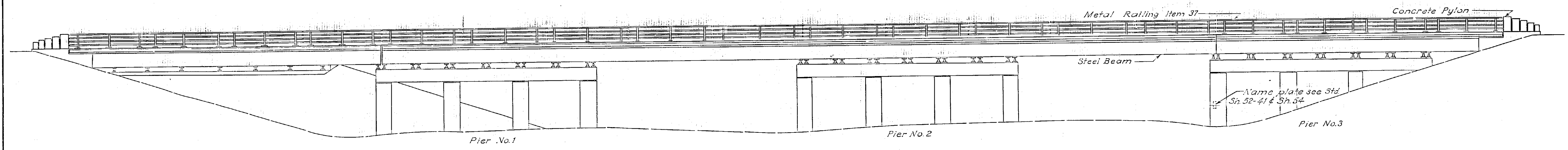
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Made by [Signature]

Traced by [Signature]

Checked by [Signature]

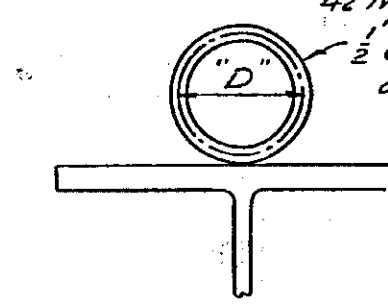
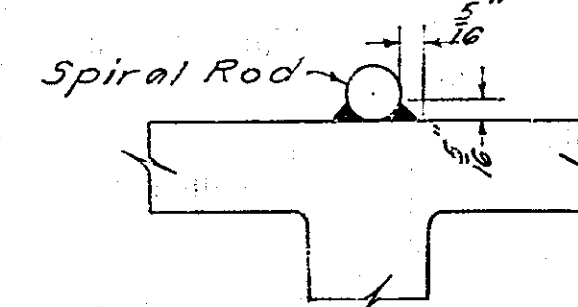
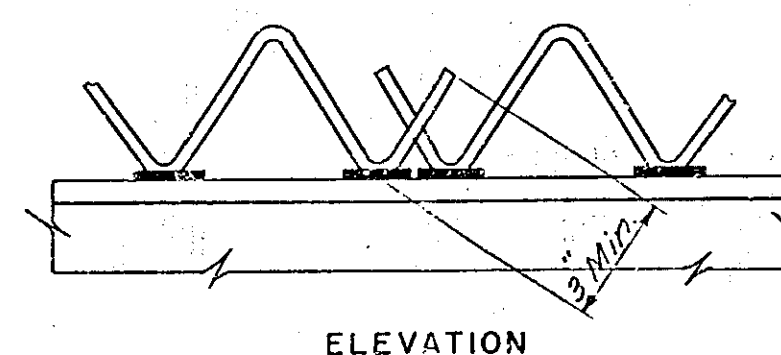
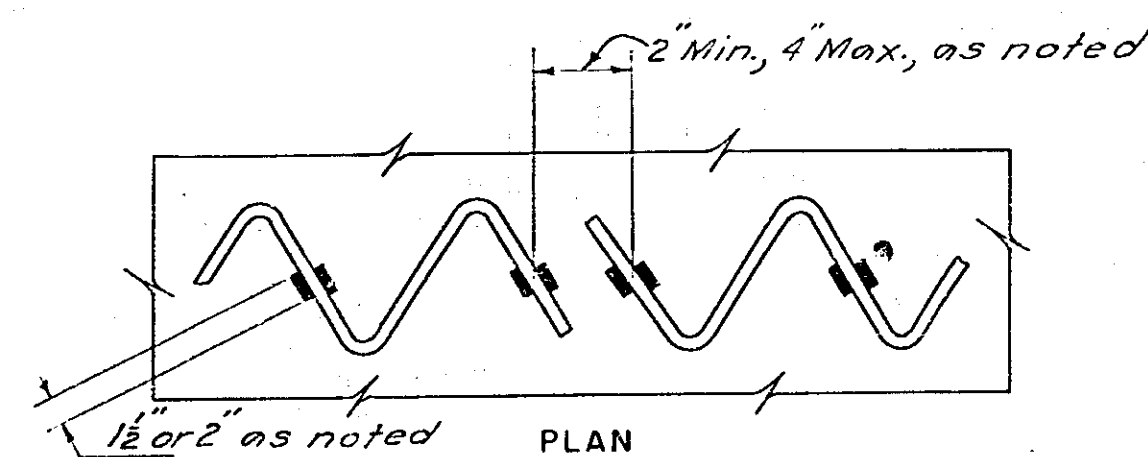
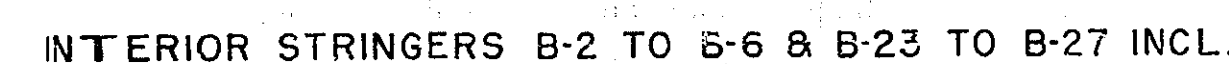
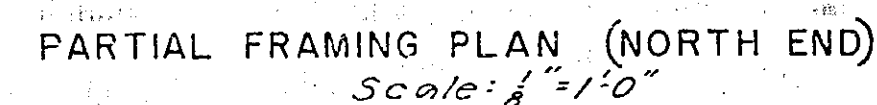
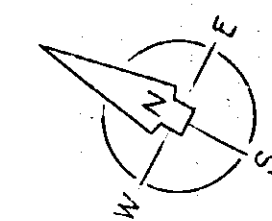
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	14	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						



In charge of *Pat. Hargrave*
Made by *R. H. S. S. S.*
Traced by *R. H. S. S. S.*
Checked by *J. R. Taylor*

PREPARED AND RECOMMENDED:
Francis L. Brown PE 13144
Harold A. Blauvelt NYSPE, LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

STATE TRAVELLED ROUTE 5 OVER THRUWAY					
STRUCTURE NO. 1					
ARCHITECTURAL ELEVATIONS & DETAILS					
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT	
13-B-13	$\frac{3}{8} = 1'-0"$ & as shown	4-1-52	BROWN	BLAUVELT	ENGINEERS



For $\frac{5}{8}$ " ϕ Spiral Rods, use $\frac{5}{16}$ " Structural
Welds, 2" long, both sides.
For $\frac{1}{2}$ " ϕ Spiral Rods, use $\frac{5}{16}$ " Structural
Welds, 1½" long, both sides.

Note: Where steel exceeding one inch in thickness is to be welded, electrodes of Classification No. E6015 or E6016 shall be used.

Notes:
1 For General Notes see Sheet 3.
2 For Bearing Details, see Sheet 53.
3 For Typical Cross Sections, see Sheet 18.

in charge of Max Flanary
Made by S.A.
Traced by F.G.
Checked by Roger H. Nelle

SPIRAL DETAILS
Not to Scale

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

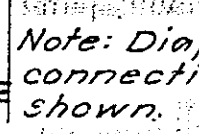
STATE TRAVELLED ROUTE 5 OVER THRUWAY
STRUCTURE NO. 1

FRAMING PLAN-NORTH END			
DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD BROWN - BLAUVEL CONSULTING ENGINEER
13-B-15	As Noted	4-1-52	

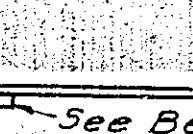
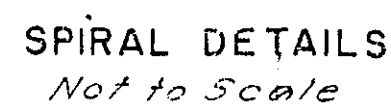
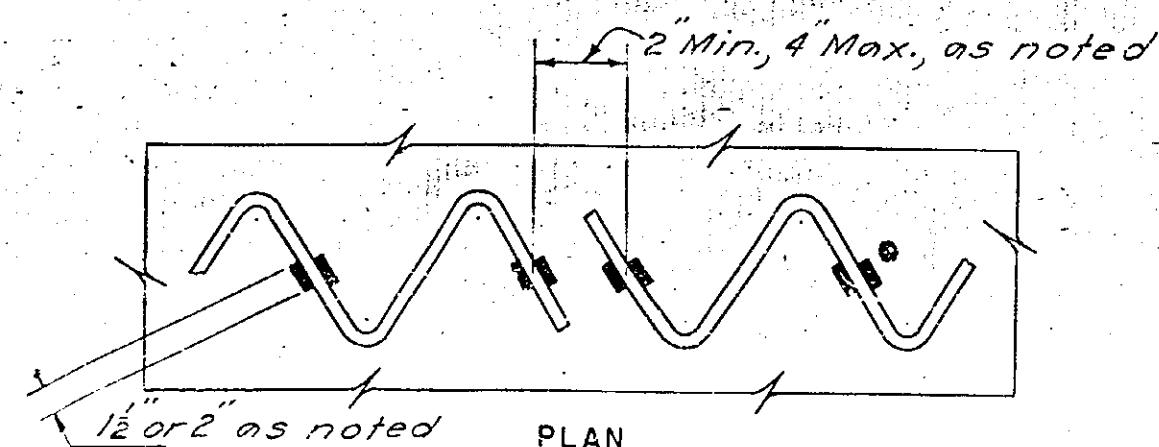
NEW YORK STATE THRUWAY MOHAWK SECTION



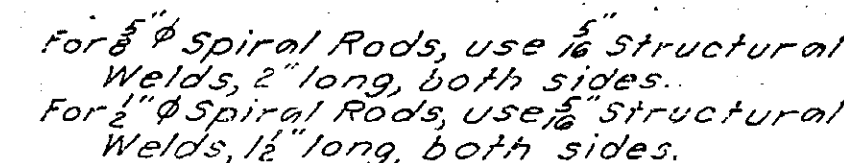
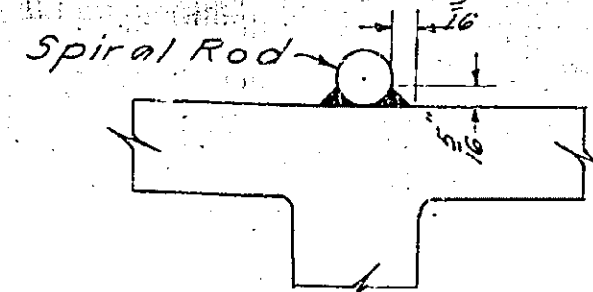
Built as per plan
except as noted



INTERIOR STRINGERS B-2 TO B-6 & B-23 TO B-27 INCL.



INTERIOR STRINGERS B-9 TO B-13 & B-16 TO B-20 INCL.



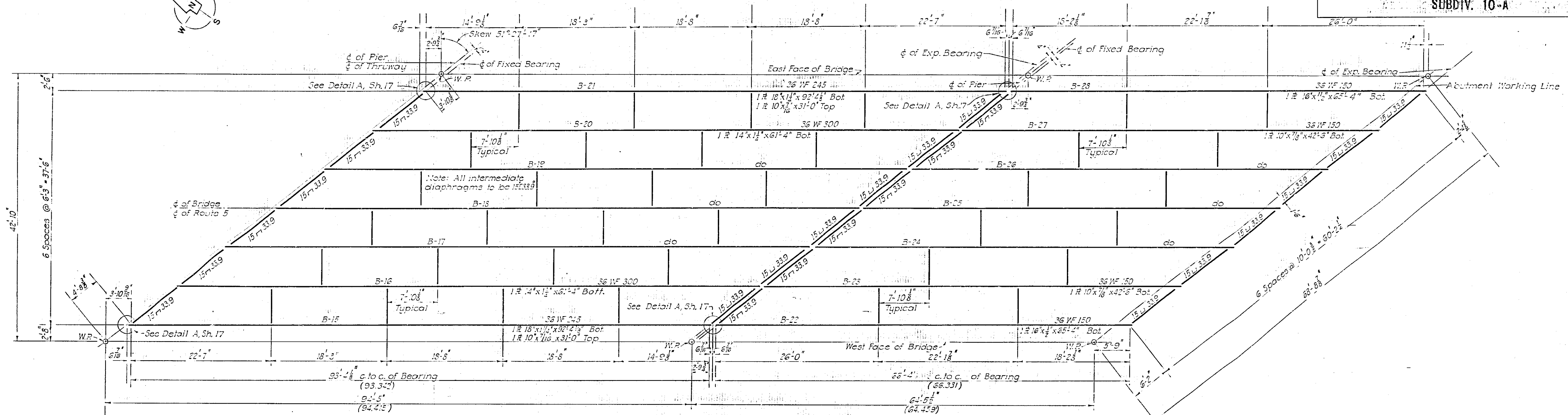
STATE TRAVELLED ROUTE 5 OVER THRUWA
STRUCTURE NO. 1

In charge of Max Rauscher
Made by SA
Traced by FG
Checked by Ray W. Webb

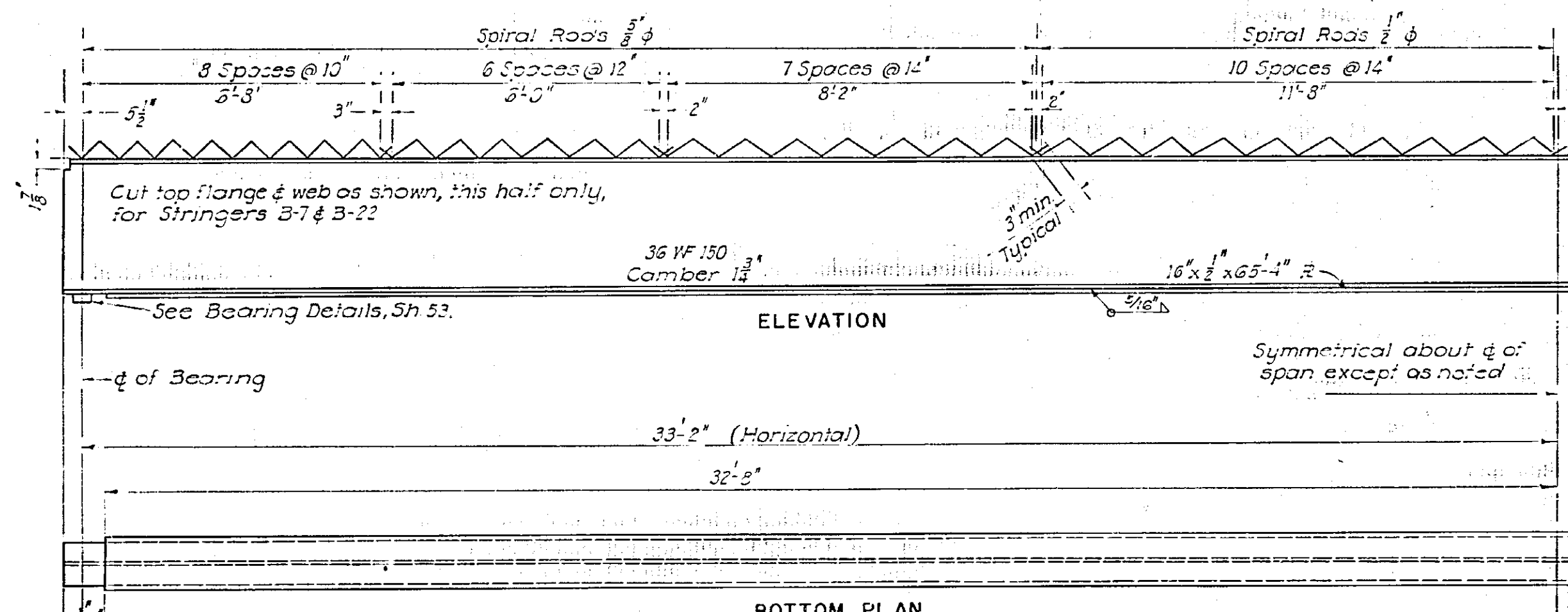
PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. SPORN, HAROLD A. BLAUVELT, CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	16	90

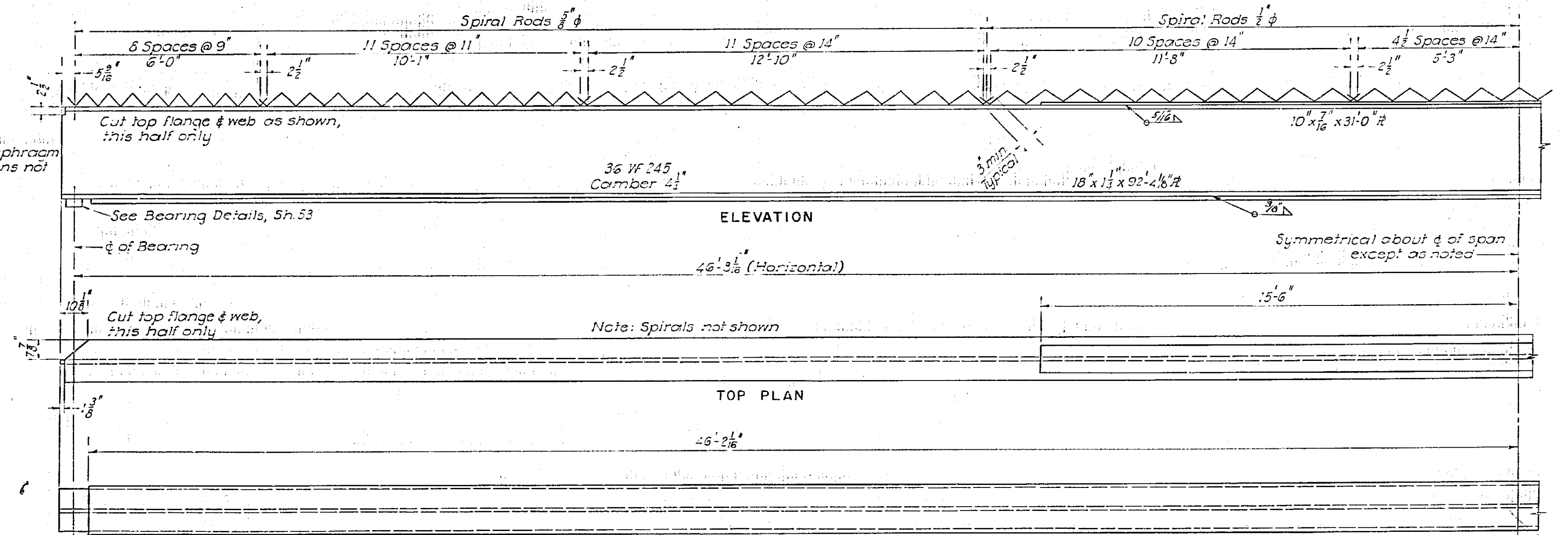
NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



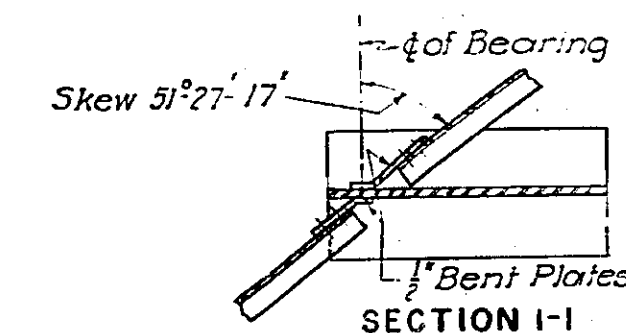
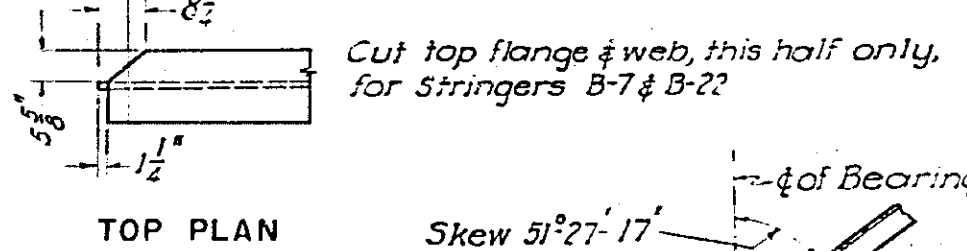
PARTIAL FRAMING PLAN (SOUTH END)
Scale: $\frac{1}{8}'' = 1'-0''$



FASCIA STRINGERS B-1, B-7, B-22 & B-28
Scale: $\frac{1}{8}'' = 1'-0''$



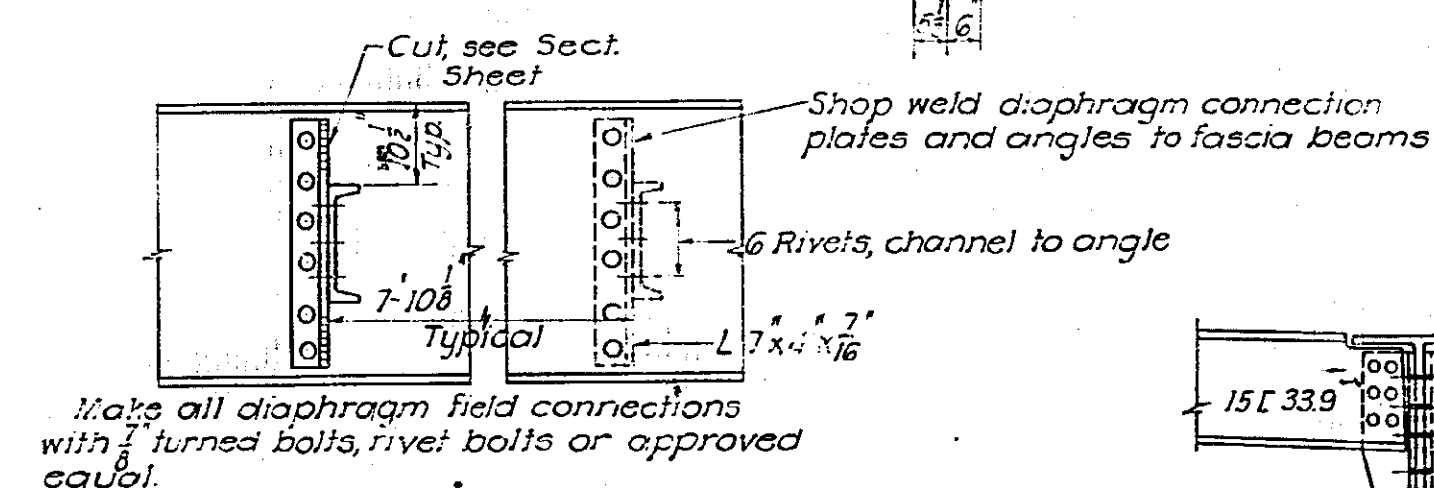
FASCIA STRINGERS B-8, B-14, B-15 & B-21
Scale: $\frac{1}{8}'' = 1'-0''$



See Bearing Details Sh. 53.

In charge of *W. R. Brown*
Made by *S. A.*
Traced by *S. A.*
Checked by *W. R. Brown*

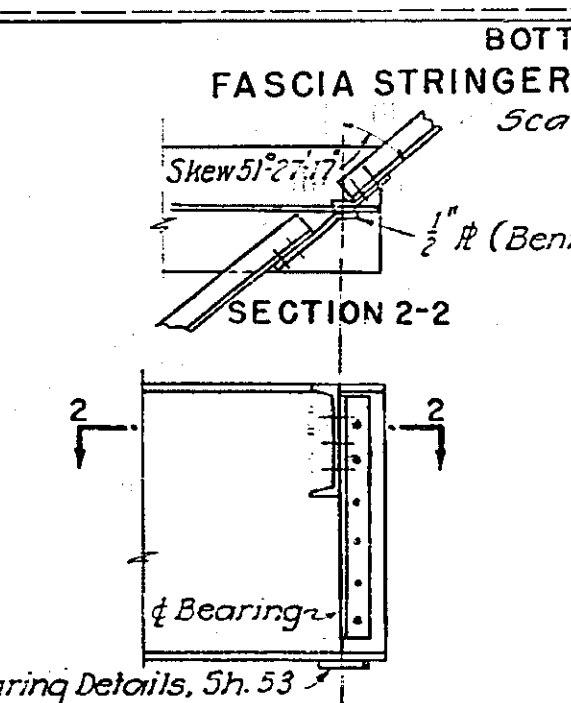
END DIAPHRAGMS OVER ABUTMENTS



DIAPHRAGM CONNECTION DETAILS
Scale: $\frac{1}{8}'' = 1'-0''$

See Bearing Details, Sh. 53.

END DIAPHRAGMS OVER PIERS



See Bearing Details, Sh. 53.

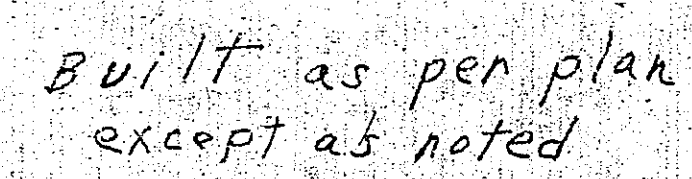
PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

Note: Where steel exceeding one inch in thickness is to be welded, Electrodes of Classification Number E6015 or E6016 shall be used.

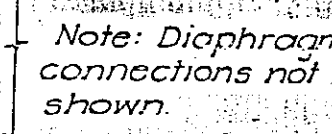
REFERENCES:
For Stringer bottom flange elevations, see Sheet 17.
For general notes, see Sheet 3.
For Bearing details, see Sheet 53.
For typical cross-sections, see Sheet 18.

STATE TRAVELLED ROUTE 5 OVER THRUWAY STRUCTURE NO. 1 FRAMING PLAN - SOUTH END			
DWG. NO.	SCALE	DATE	ENGINEER
13-B-16	As Shown	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

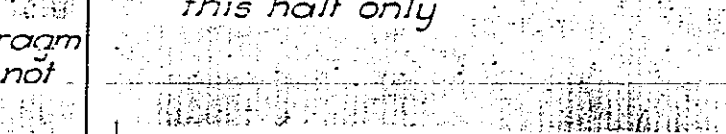
16R



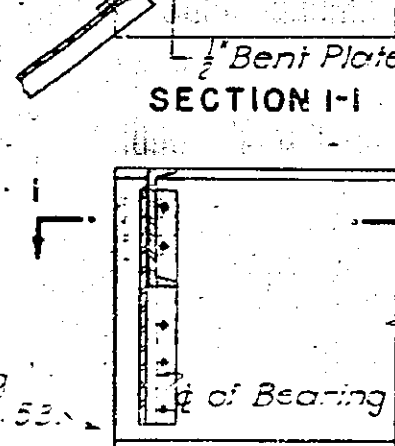
Scale: $\frac{1}{8}'' = 1'-0''$



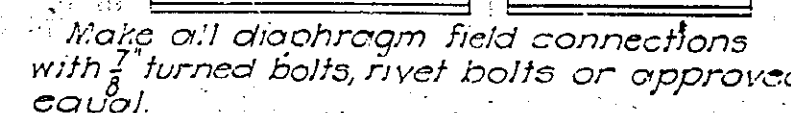
Scale $\frac{3}{8}'' = 1'-0''$



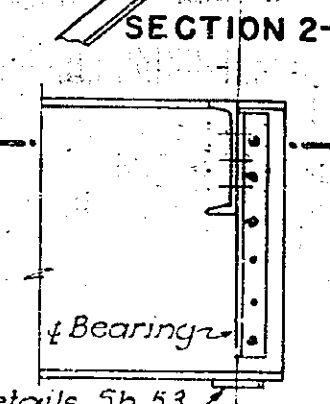
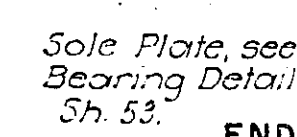
INGERS B-8, B



DIAPHRAGM CONNECTION DETAILS



END DIAPHRAGMS OVER PIERS

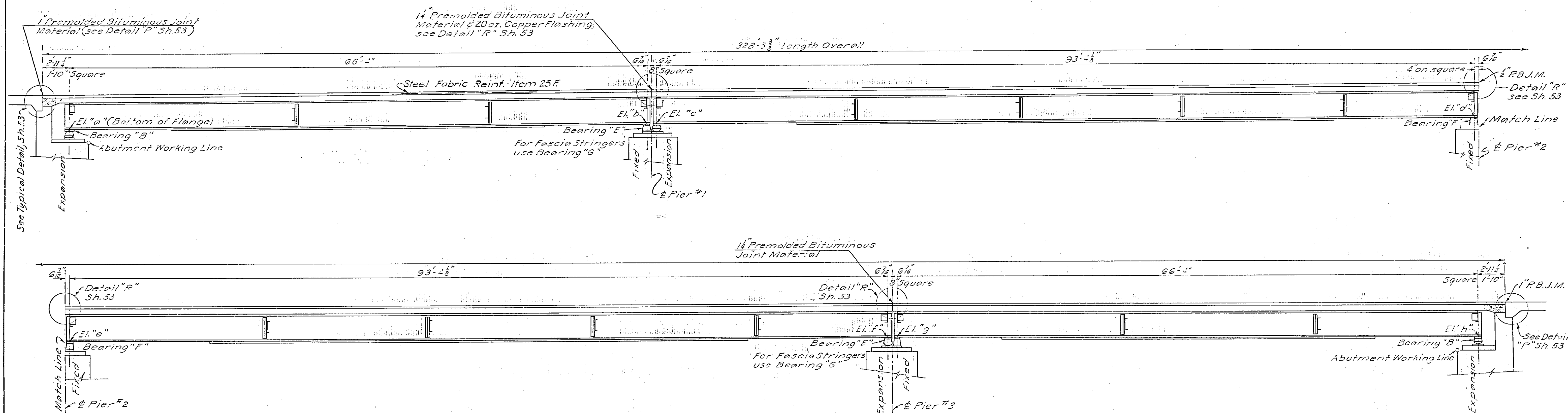


REFERENCES:
For Stringer bottom flange elevations, see Sheet 17.
For general notes, see Sheet 3.
For Bearing details, see Sheet 53.
For typical cross-sections, see Sheet 18.

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN · HAROLD A. BLAUVELT CONSULTING ENGINEERS

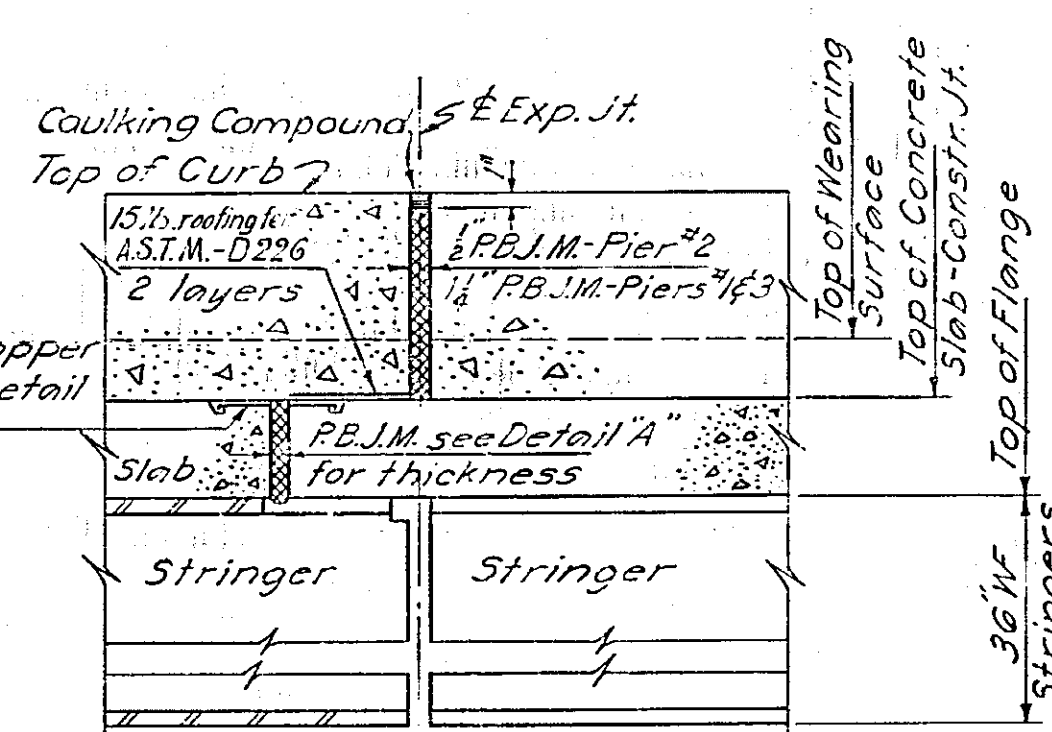
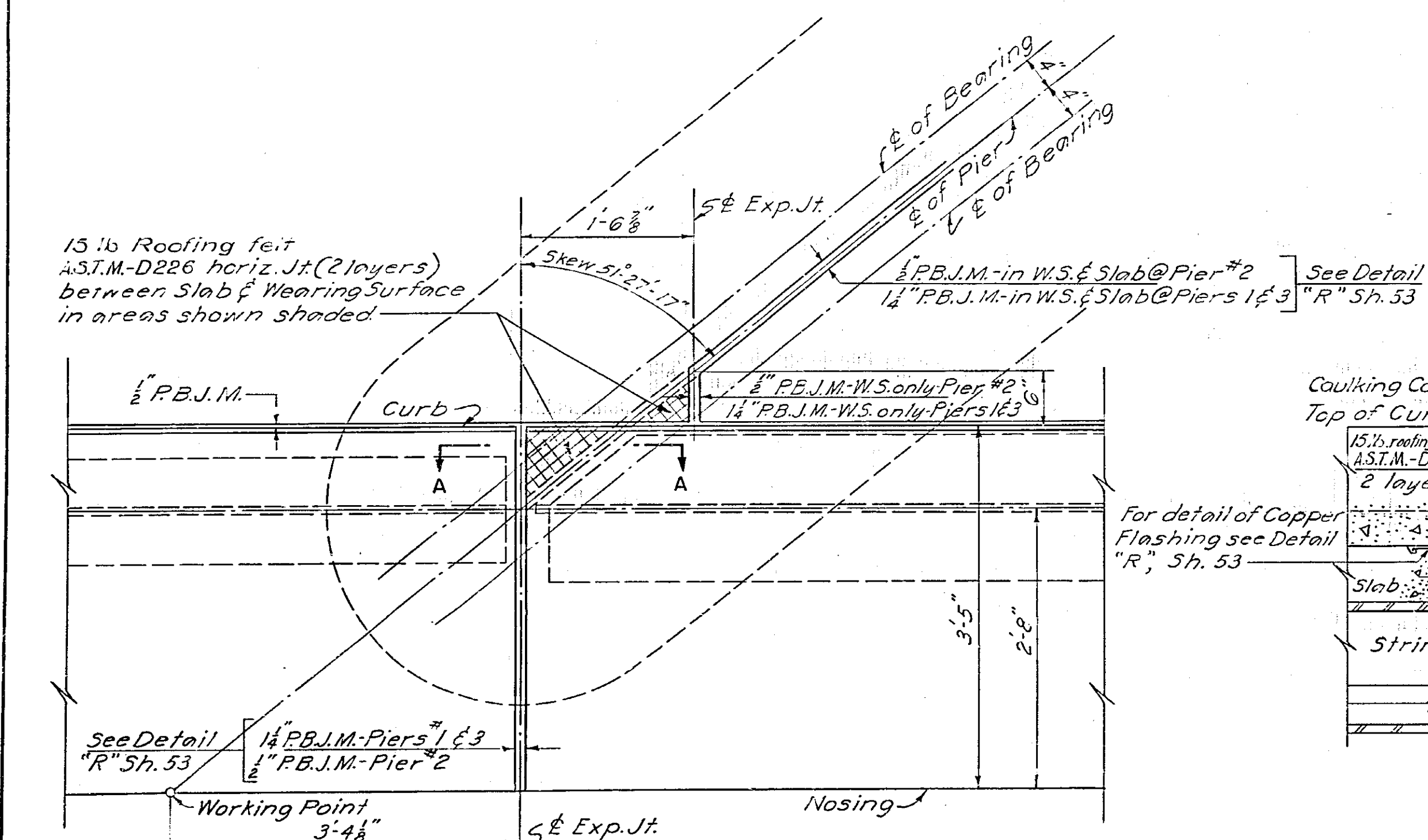
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	17	90

NEW YORK STATE THRUWAY — MOHAWK SECTION
SUBDIV. 10-A

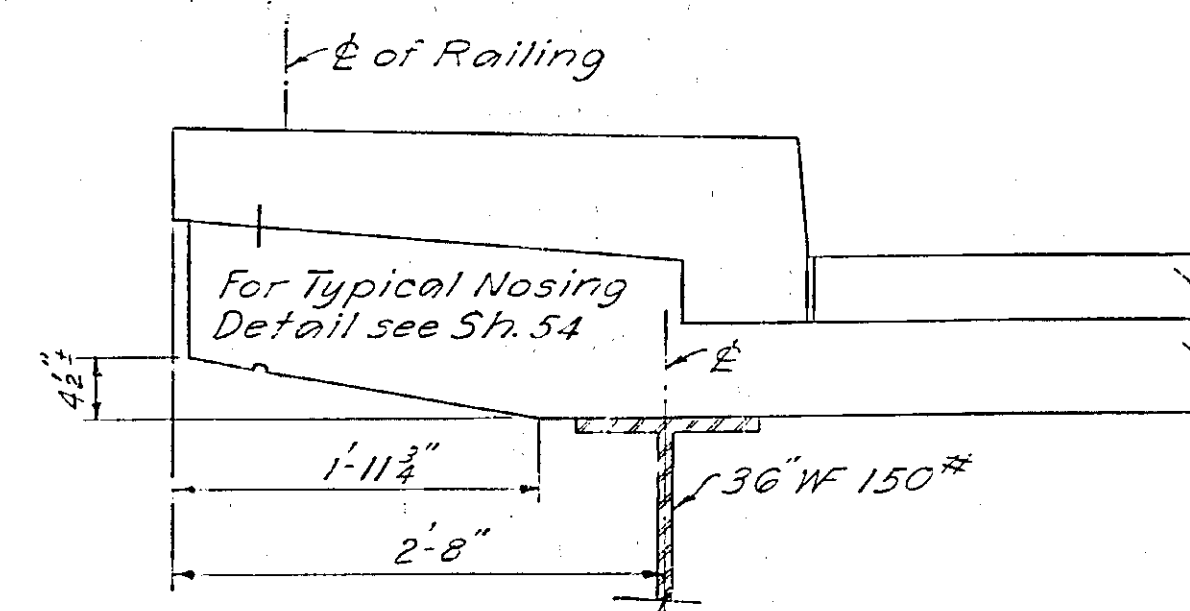


TYPICAL LONGITUDINAL SECTION
Scale: 1/2"=1'-0"

ELEVATIONS OF BOTTOM OF FLANGE											
Member	El."a"	El."b"	Member	El."c"	El."d"	Member	El."e"	El."f"	Member	El."g"	El."h"
B-1	439.00	439.58	B-8	439.56	440.12	B-15	440.12	440.37	B-22	440.39	440.38
B-2	439.16	439.72	B-9	439.64	440.18	B-16	440.18	440.42	B-23	440.50	440.47
B-3	439.34	439.89	B-10	439.81	440.32	B-17	440.32	440.51	B-24	440.59	440.55
B-4	439.51	440.03	B-11	439.95	440.44	B-18	440.44	440.62	B-25	440.70	440.64
B-5	439.48	439.99	B-12	439.91	440.37	B-19	440.37	440.52	B-26	440.60	440.51
B-6	439.44	439.94	B-13	439.86	440.29	B-20	440.29	440.42	B-27	440.50	440.40
B-7	439.43	439.90	B-14	439.88	440.29	B-21	440.29	440.38	B-28	440.40	440.28



SECTION A-A
Scale: 1/2"=1'-0"



SECTION D-D
Scale: 1/2"=1'-0"

References:
For General Notes see Sheet 3.
For Stringer Bearings see Sh. 53.

In charge of *Det. Rausch*
Made by *RL*
Traced by *BS*
Checked by *g. b. Piller*

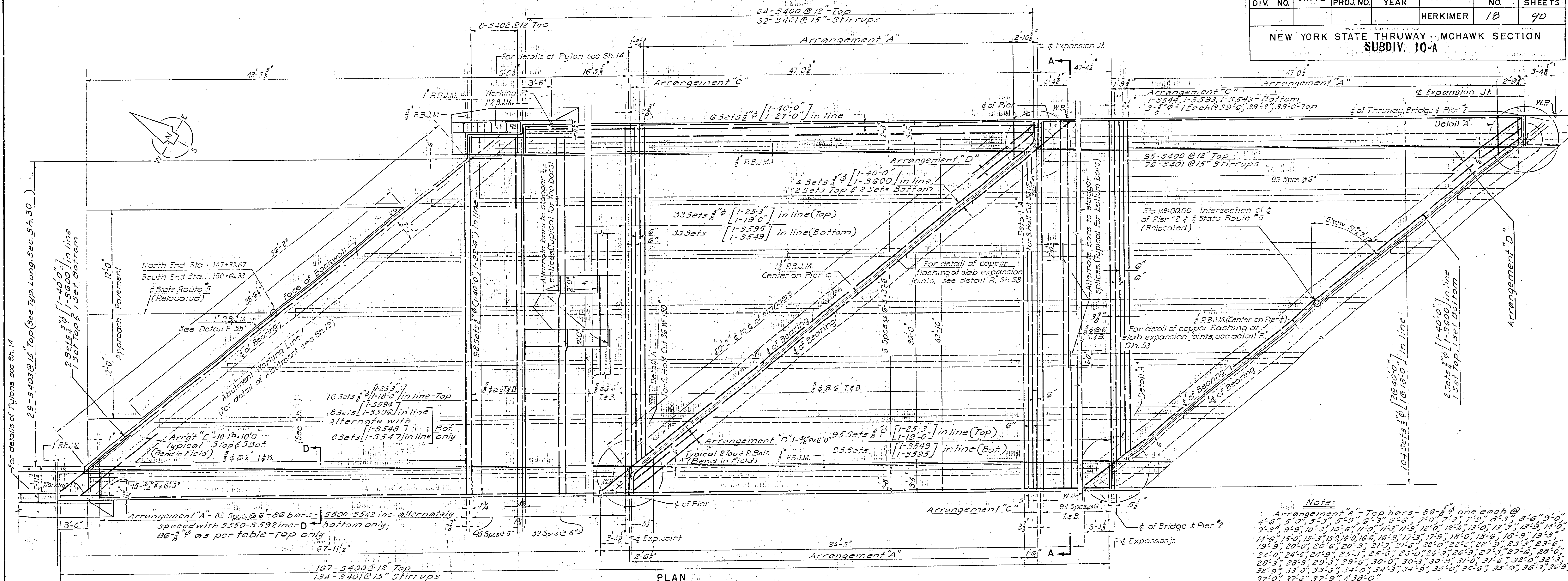
DETAIL "A"
EXPANSION JOINT AT CURB Pier #1 (Pier #3 similar)
(Pier #2 as noted)
Scale: 1/2"=1'-0"

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

STATE TRAVELLED ROUTE 5 OVER THRUWAY STRUCTURE NO. 1 SECTIONS & DETAILS			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-17	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

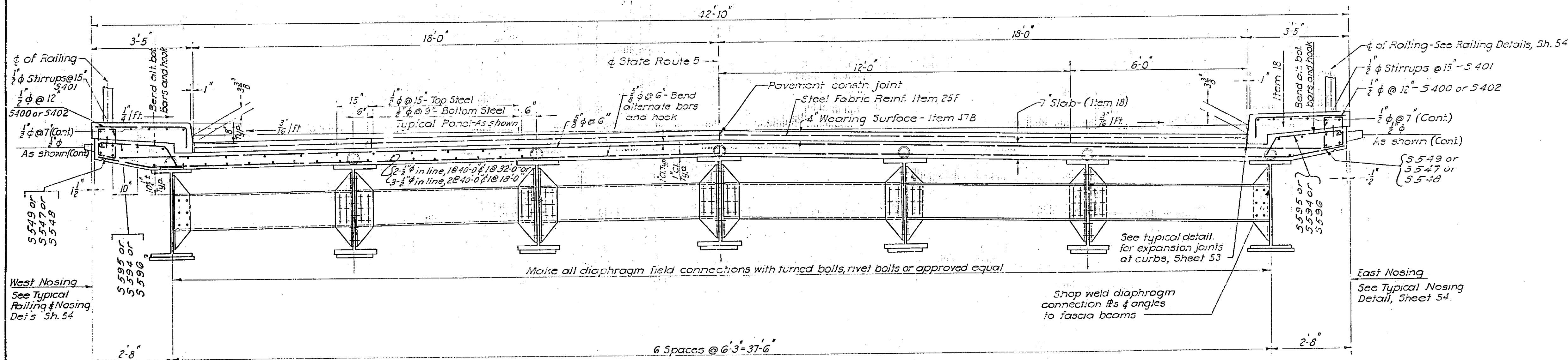
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	18	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



PLAN

North Half Shown - Face about for South Half - As Noted
Scale: $\frac{1}{8}'' = 1'-0''$



SECTION A-A

Scale: $\frac{1}{2}'' = 1'-0''$

Note:

Arrangement "A" Top bars - 86- $\frac{1}{2}''$ one each @ 4'-6", 5'-0", 5'-3", 5'-9", 6'-0", 6'-3", 6'-9", 7'-0", 7'-3", 7'-9", 8'-3", 8'-6", 9'-0", 9'-3", 9'-9", 10'-3", 10'-6", 11'-0", 11'-3", 11'-9", 12'-0", 12'-3", 12'-9", 13'-0", 13'-3", 13'-9", 14'-0", 14'-3", 14'-9", 15'-0", 15'-3", 15'-9", 16'-0", 16'-3", 16'-9", 17'-0", 17'-3", 17'-9", 18'-0", 18'-3", 18'-9", 19'-0", 19'-3", 19'-9", 20'-0", 20'-3", 20'-9", 21'-0", 21'-3", 21'-9", 22'-0", 22'-3", 22'-9", 23'-0", 23'-3", 23'-9", 24'-0", 24'-3", 24'-9", 25'-0", 25'-3", 25'-9", 26'-0", 26'-3", 26'-9", 27'-0", 27'-3", 27'-9", 28'-0", 28'-3", 28'-9", 29'-0", 29'-3", 29'-9", 30'-0", 30'-3", 30'-9", 31'-0", 31'-3", 31'-9", 32'-0", 32'-3", 32'-9", 33'-0", 33'-3", 33'-9", 34'-0", 34'-3", 34'-9", 35'-0", 35'-3", 35'-9", 36'-0", 36'-3", 36'-9", 37'-0", 37'-3", 37'-9", 38'-0"

Note:

Immediately before placing the pavement concrete, the concrete surface or surfaces upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50°F.

References:

For General Notes see Sh. 3.
For Detail "A" and for Longitudinal Section, see Sh. 17.
For Steel Framing, see Sh. 15 & 16.
For General Plan & Sections, see Sh. 13.
For Bar List see Sh. 55 & 56.

STATE TRAVELLED ROUTE 5 OVER THRUWAY
STRUCTURE NO. 1
DECK SLAB

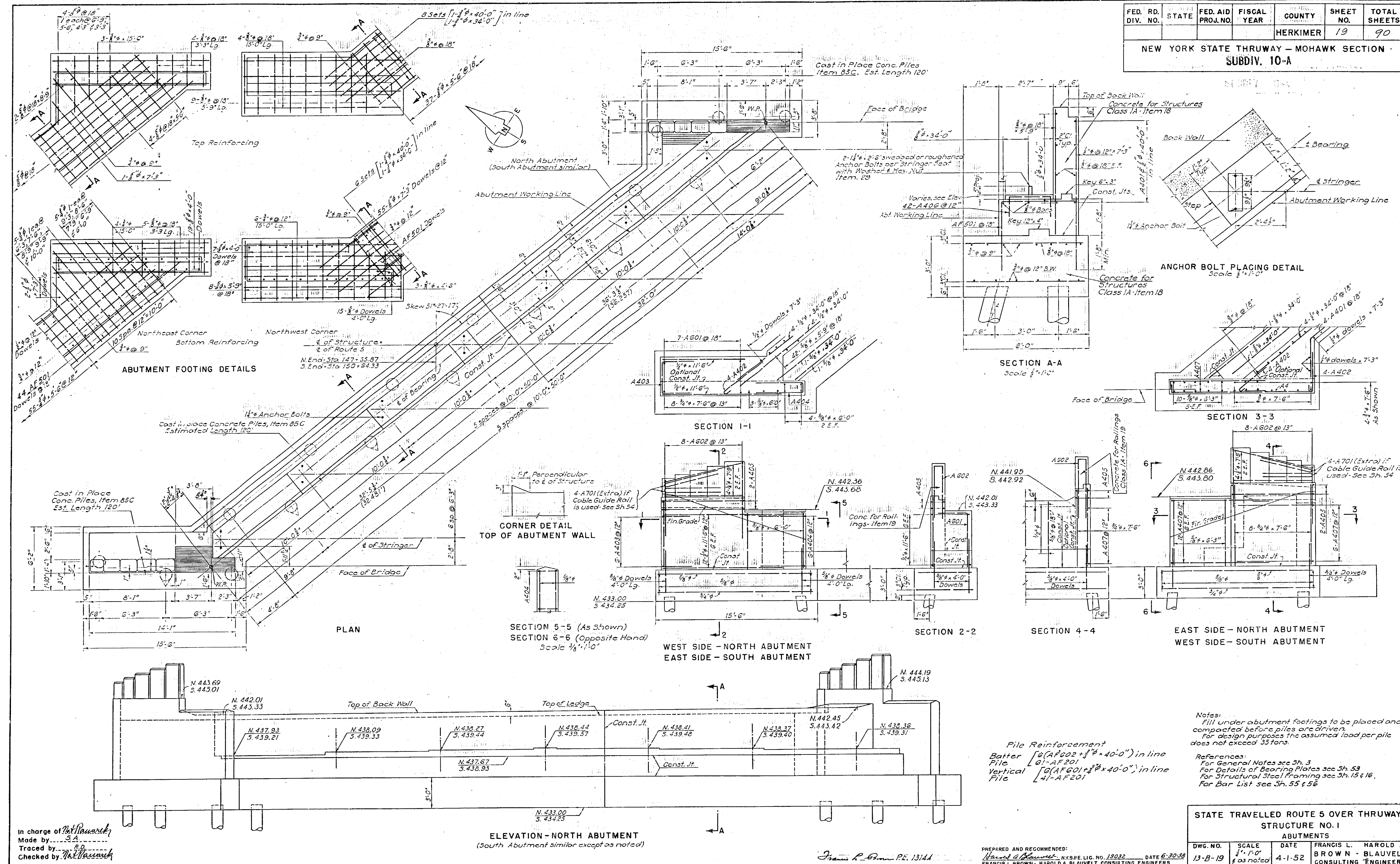
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13-B-14	As noted	4-1-52	BROWN	BLAUVELT

PREPARED AND RECOMMENDED:
Harold A. Blauvelt, N.Y.S.P.E., LIC. NO. 19032, DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

In charge of *W. J. P. Rouse*
Made by *P.L.*
Traced by *S.A.C.*
Checked by *W. J. P. Rouse*

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	19	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A

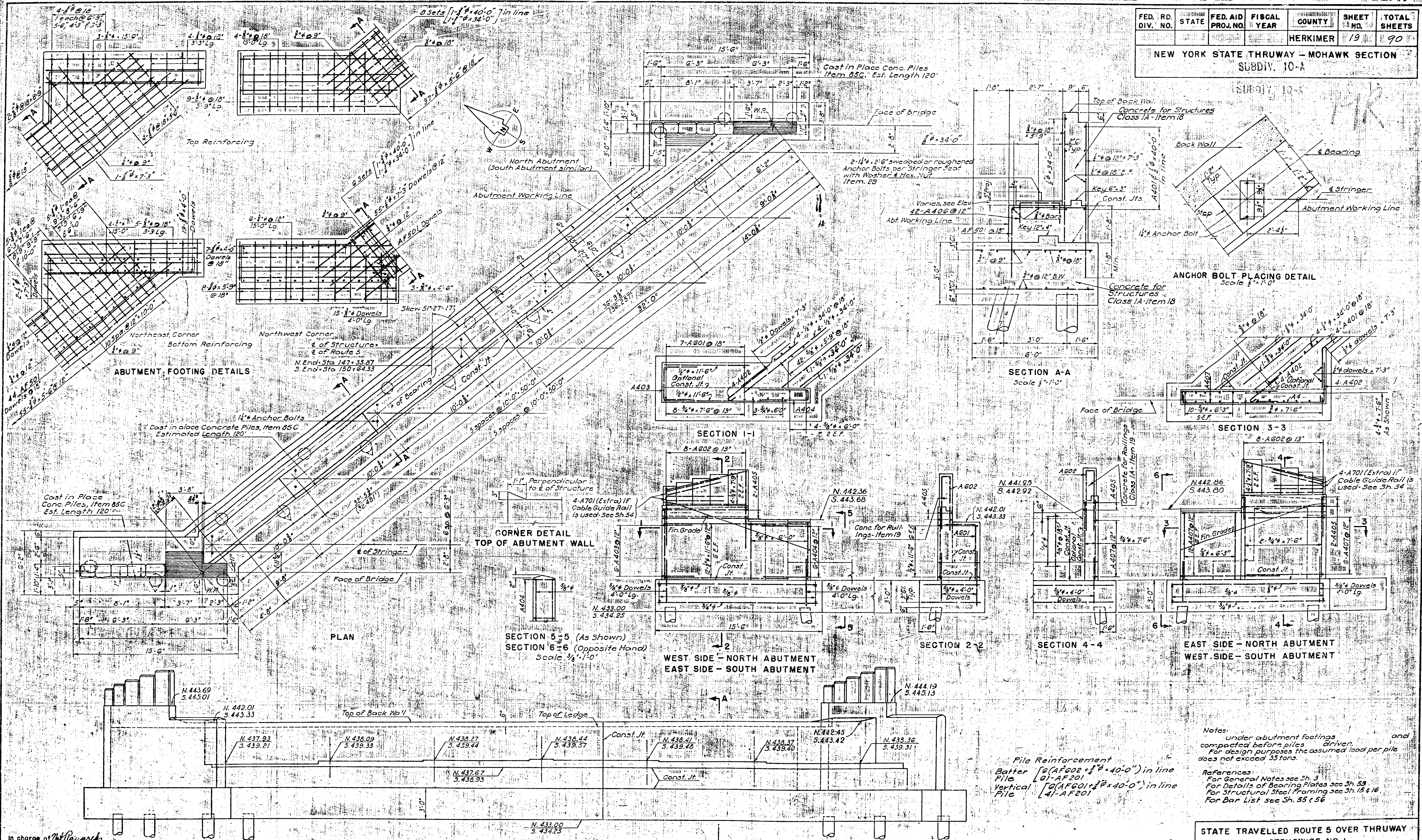


In charge of *Francis L. Brown*
Made by *H. A. Blauvelt*
Traced by *H. A. Blauvelt*
Checked by *H. A. Blauvelt*

Francis L. Brown, P.E. 13/1/44

PREPARED AND RECOMMENDED BY:
Francis L. Brown, N.Y.S.P.E. LIG. NO. 19032
DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	19	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



In charge of *W. R. Brown*
Made by *W. R. Brown*
Traced by *W. R. Brown*
Checked by *W. R. Brown*

ELEVATION - NORTH ABUTMENT
(South Abutment similar except as noted)

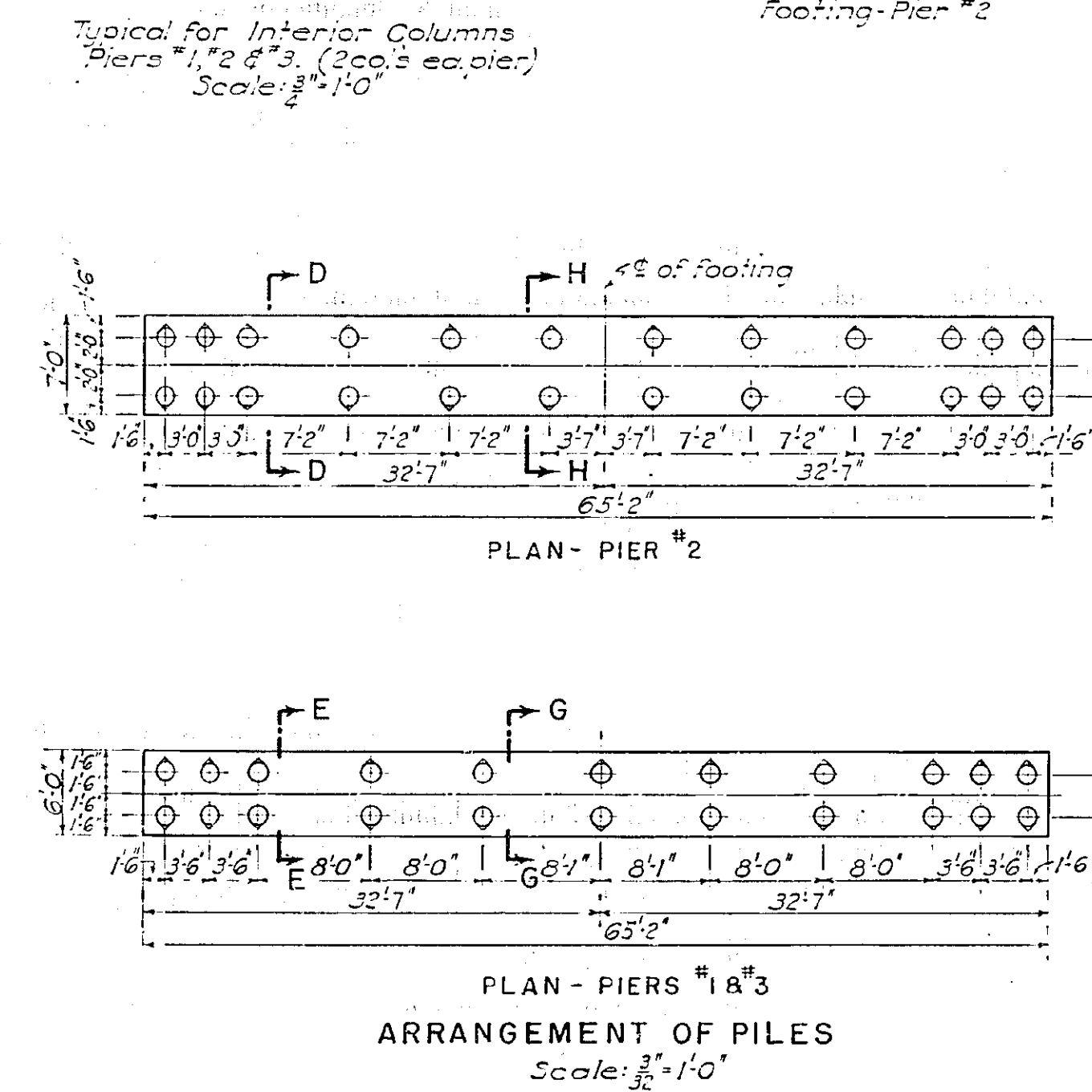
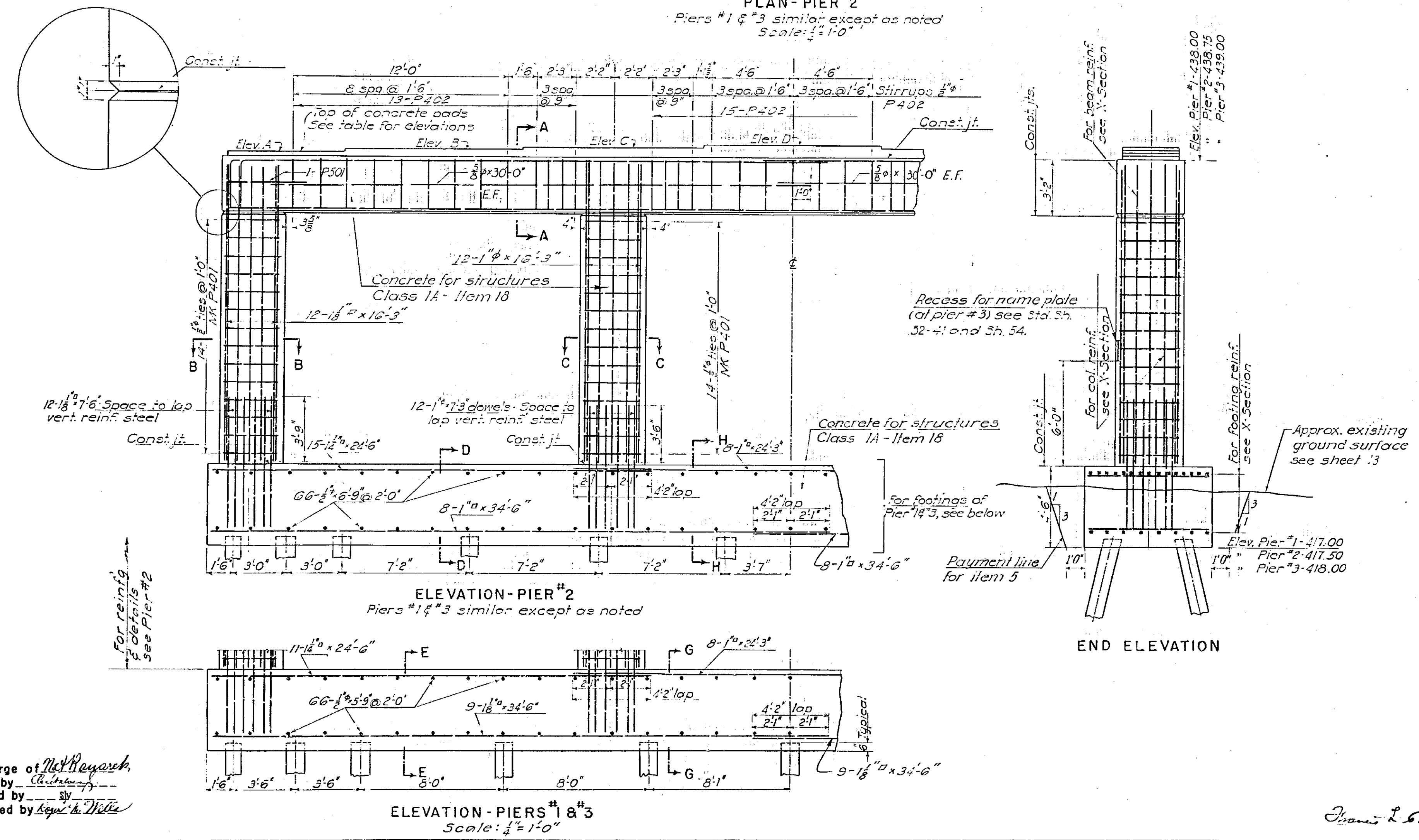
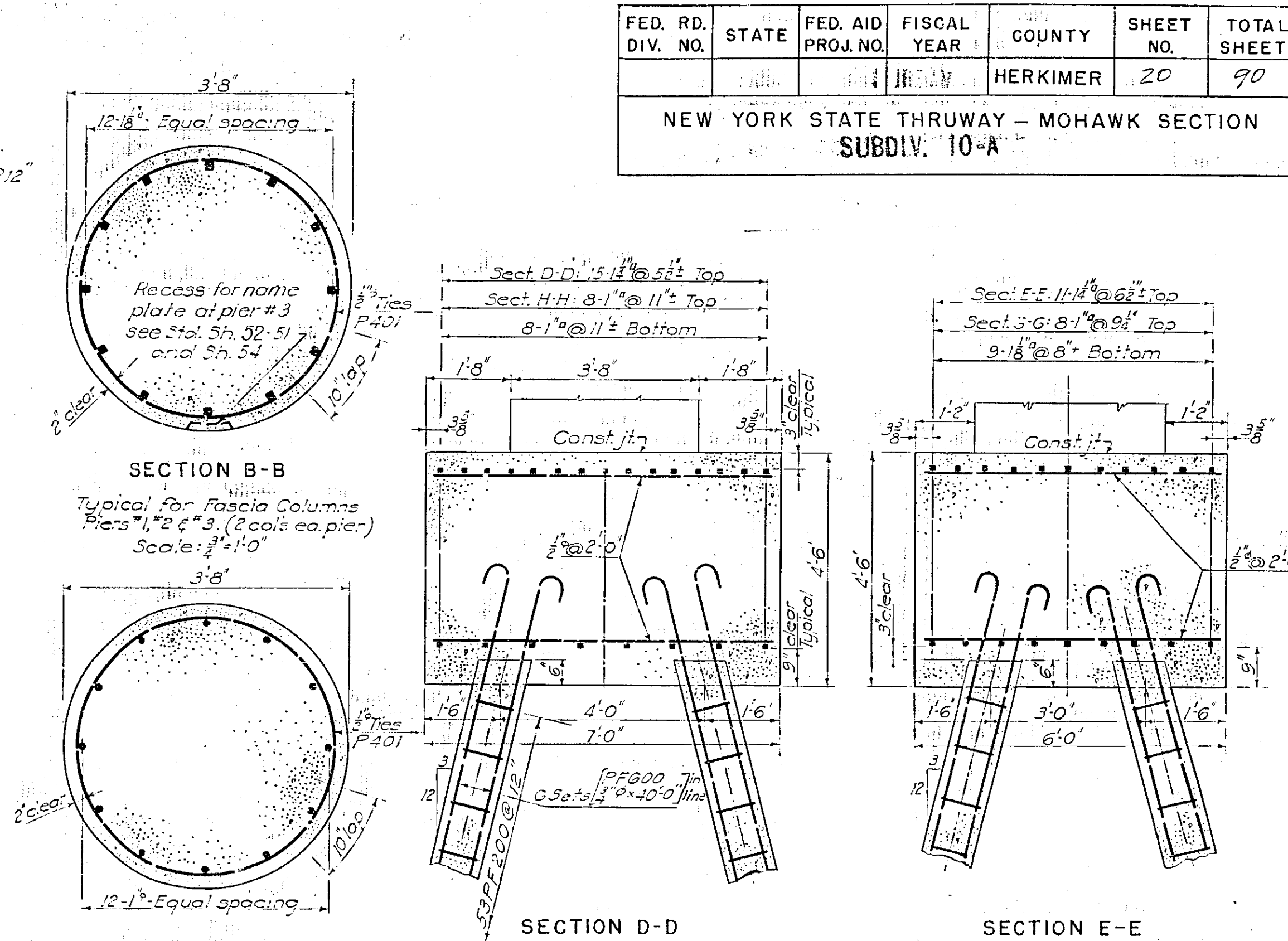
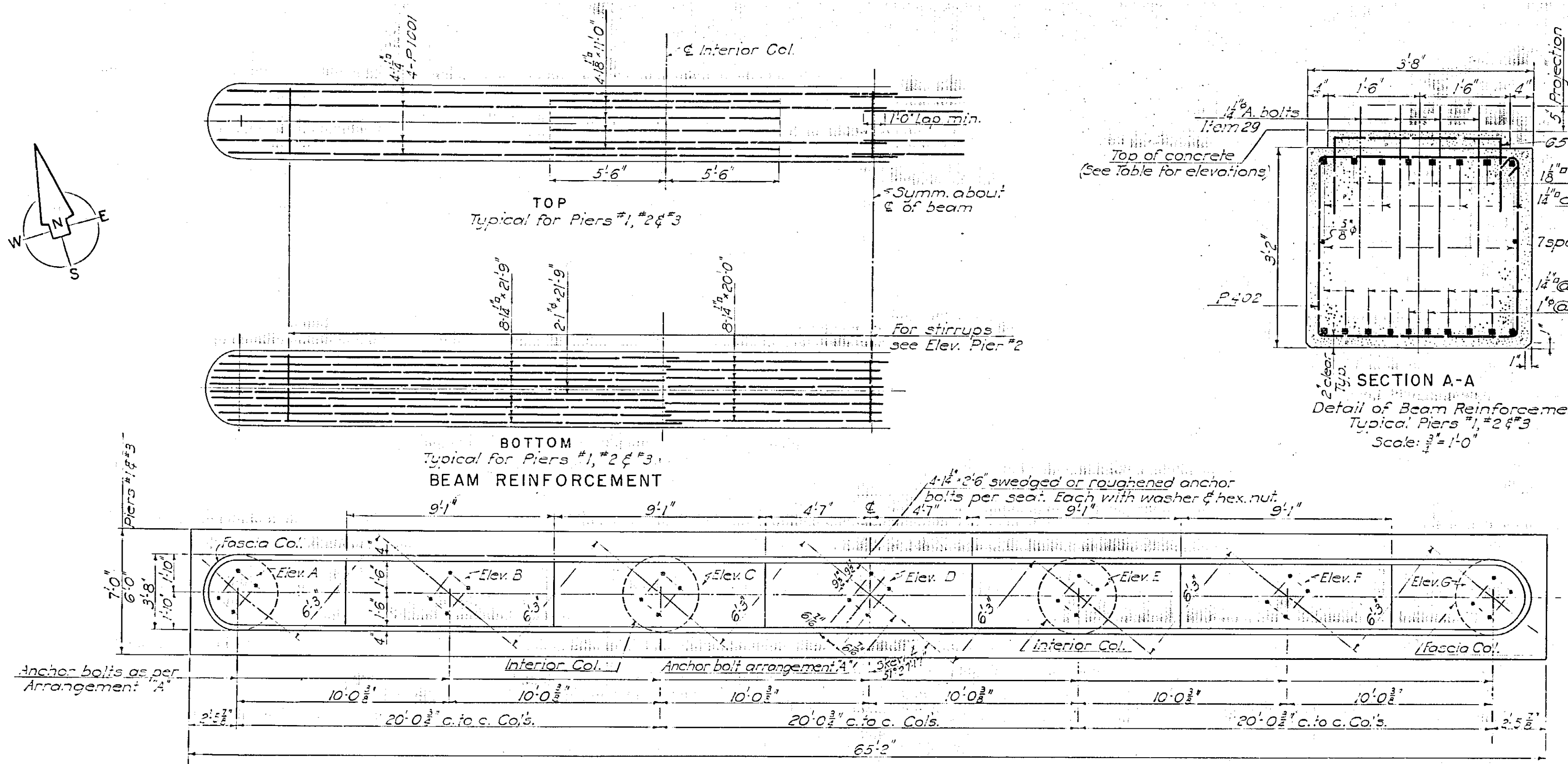
James R. Brown P.E. 13/1/44

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.E.C. NO. 13032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

STATE TRAVELLED ROUTE 5 OVER THRUWAY STRUCTURE NO. 1				
ABUTMENTS				
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN & HAROLD A. BLAUVELT CONSULTING ENGINEERS	
13-B-19	1/4" = 1'-0" # as noted	4-1-52		

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
	NY		1932	HERKIMER	20	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



	Pier #1	Pier #2	Pier #3
Elev. A	438.50	439.06	439.31
" B	438.58	439.12	439.36
" C	438.75	439.26	439.45
" D	438.89	439.38	439.56
" E	438.85	439.31	439.46
" F	438.80	439.23	439.36
" G	438.82	439.23	439.32

Notes:
For Design Purposes the Assumed Load per Pile does not exceed 35 Tons.

References:
For General Notes, see Sh. #3.
For Location of Piers, see Sh. #13.
For Structural Steel Framing, see Sh. #15 & 16.
For Bearing Plate Details, see Sh. #53.
For Pile Reinforcing, see Sh. #53.
For Bar List see Sh. #55 & 56.

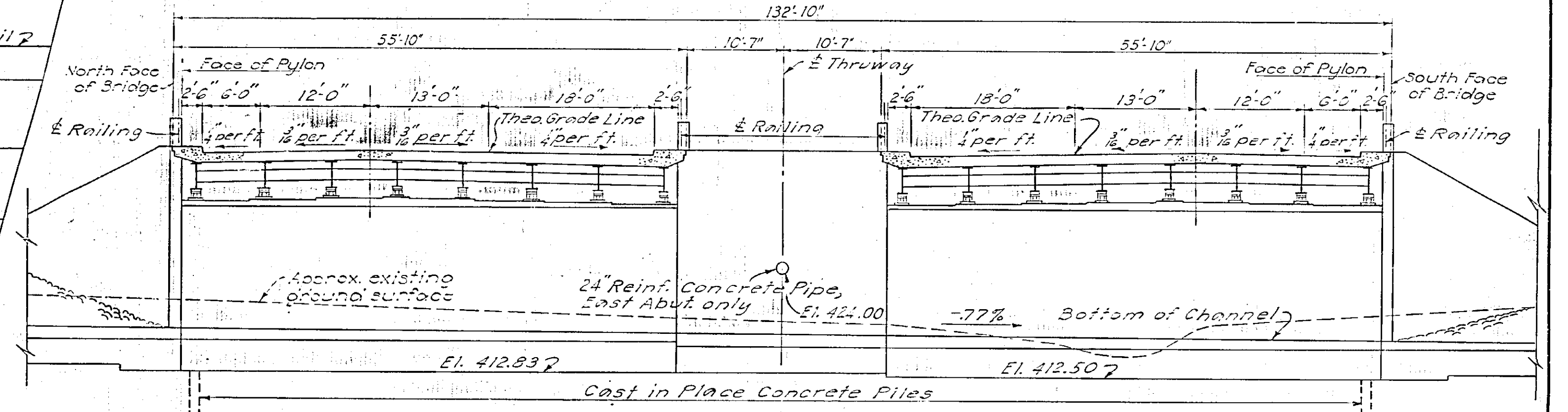
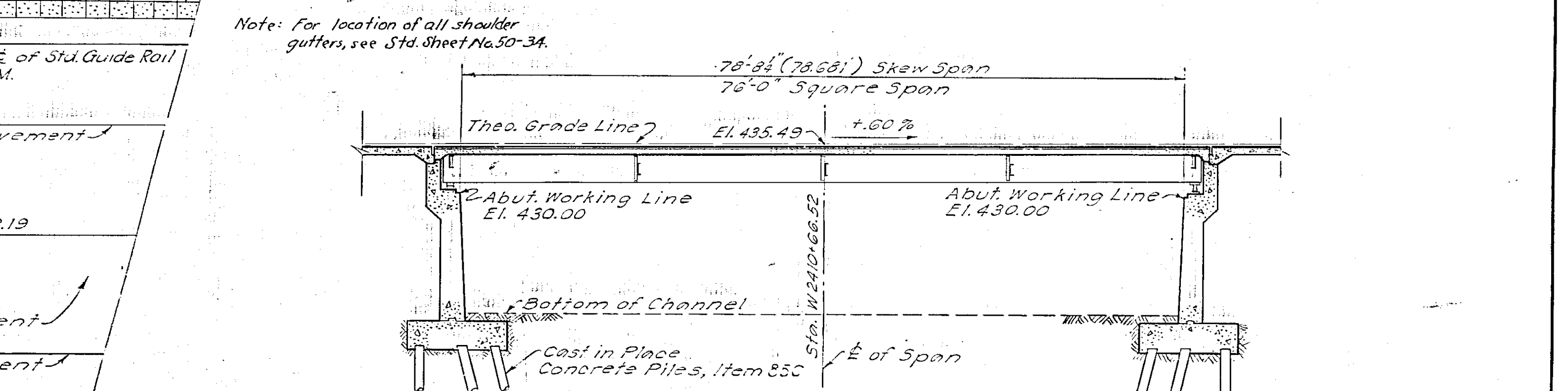
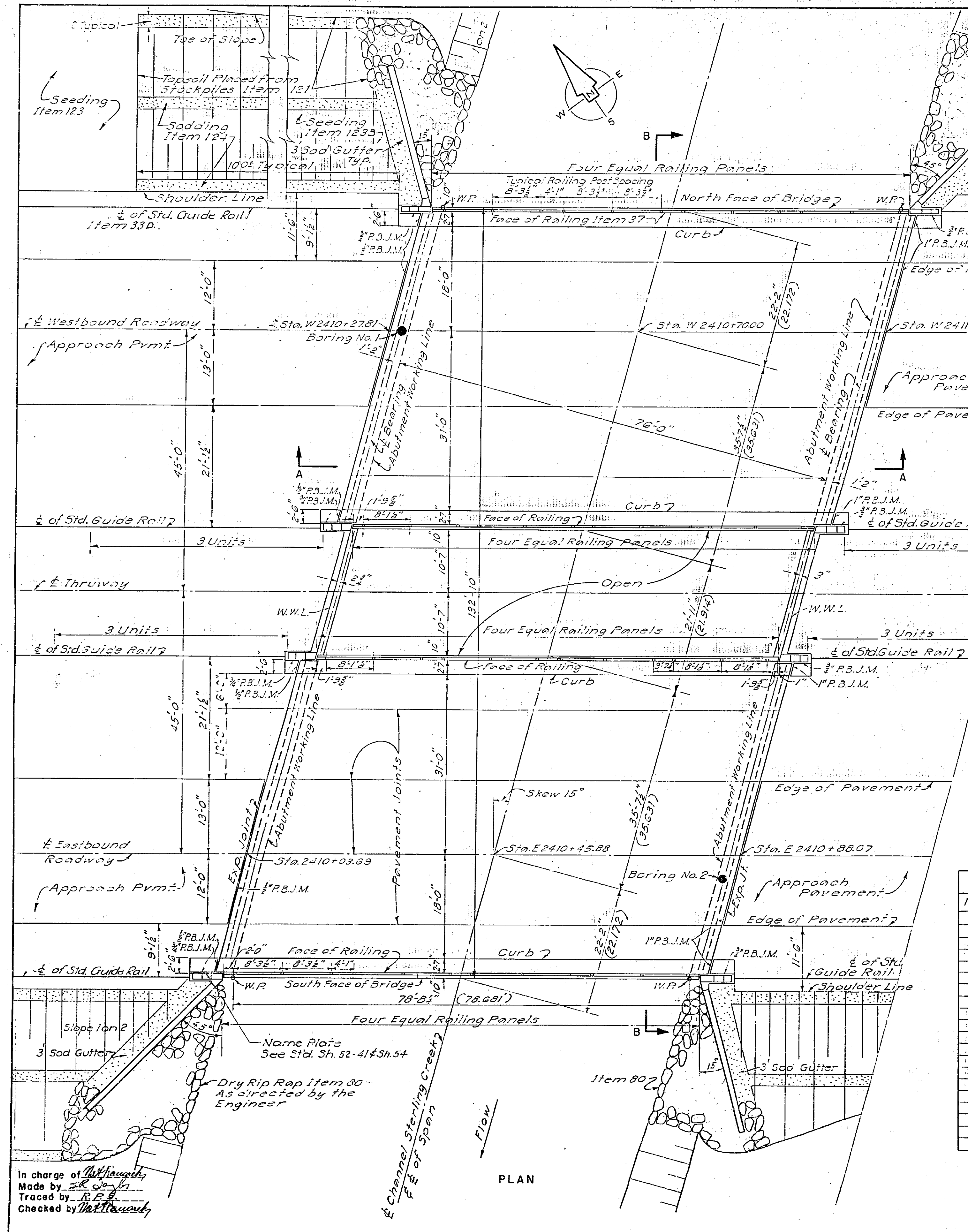
In charge of *McKay*
Made by *Chittenden*
Traced by *W. J. Miller*
Checked by *W. J. Miller*

Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.R.E. Lic. No. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

STATE TRAVELLED ROUTE 5 OVER THRUWAY STRUCTURE NO. 1 PIERS.			
DWG. NO.	SCALE	DATE	ENGINEER
13-B-18	1/2" = 1'-0" & as shown	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	21	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



Item No.	Description	Unit	Neat	Rounded
5	Trench, Culvert & Bridge Excavation	C.Y.	2,430	2,800
10V	Pipe Underdrain, Optional 6" Diam.	L.F.	408	435
15-2	Portland Cement, Type 2	Bbl.	3,580	3,865
15-N	Natural Cement, Type N	Bbl.	496	550
18	Class 1A Concrete for Structures	C.Y.	1,257	1,340
19	Class 1A Concrete for Railings	C.Y.	5	6
25F	Steel Fabric Reinforcement	S.Y.	1,274	1,340
26	Bar Reinforcement for Structures	Lb.	216,631	223,000
26B	Spiral Bar Shear Connectors	Lb.	2,573	2,700
29	Structural Steel	Lb.	362,260	393,000
37	Metal Railing	L.F.	323	330
47B	Cement Concrete Pavement	C.Y.	101	105
80	Dry Rip-Rap	CY	70	80
82	Cofferdams	S.F.	3,200	3,500
85C	Cast-in-place Concrete Piles	L.F.	21,210	22,300
87	Furn. Equip. for Driving Piles	L.S.	Nec.	Nec.
119	Run of Bank Gravel Fill	C.Y.	2,650	2,900
121	Topsail Placed from Stockpiles	C.Y.	162	170
123B	Seeding on Prepared Areas	Acres	0.39	0.39
124	Sodding	S.Y.	376	380

References:
 Details of sodding to be as shown on Std. Sh. 50-34 except as otherwise shown on this plan.
 For details of riprap see Sheet 67.
 For General Notes see Sheet 3.
 For Std. Guide Rail Item 33D see Std. Sh. 54.
 For payment lines for Items 25, 5 & 119 see Sh. 88.

THRUWAY OVER STERLING CREEK			
STRUCTURE NO. 2			
PLAN & SECTIONS			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-20	1"=10'	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

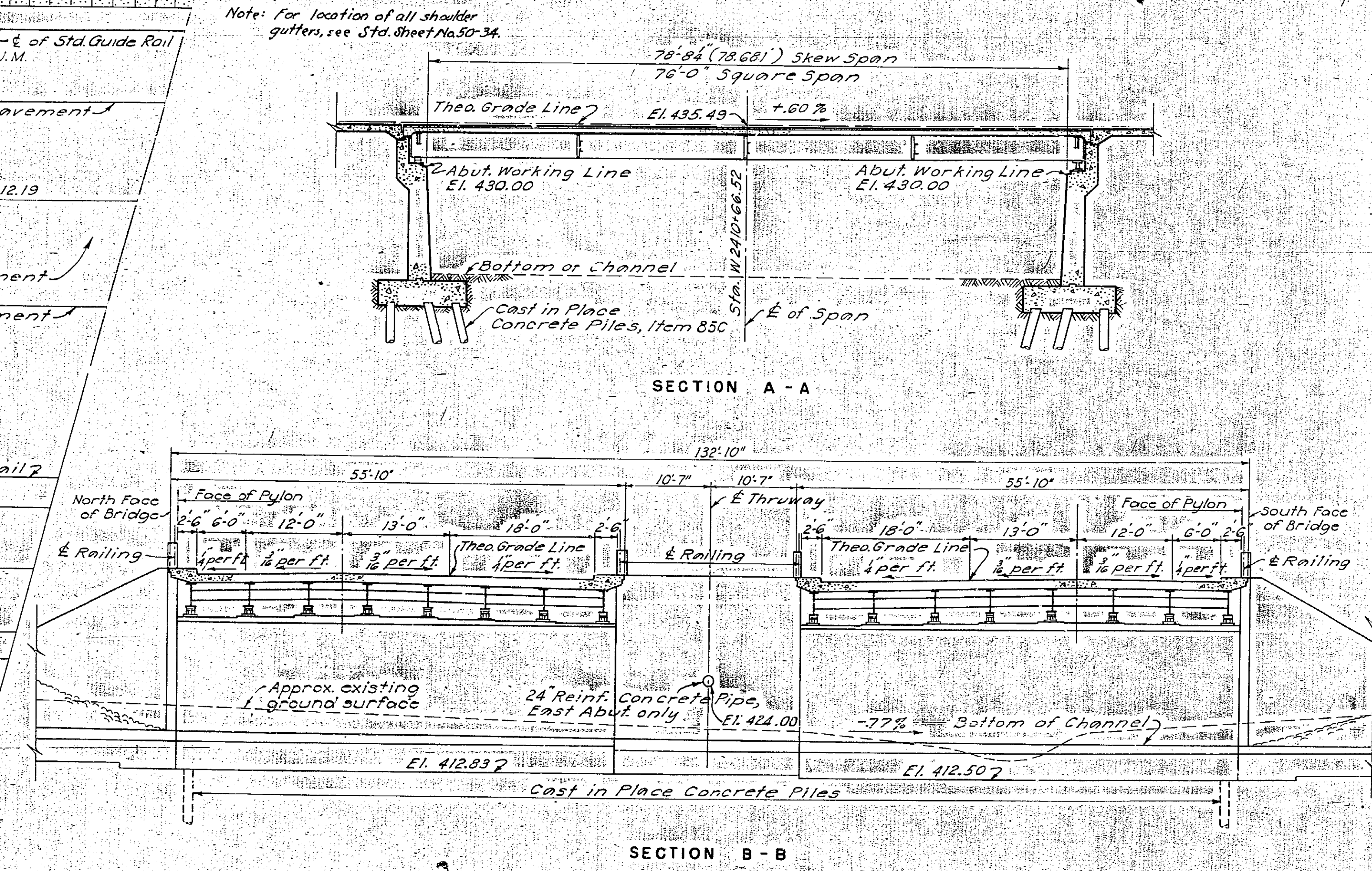
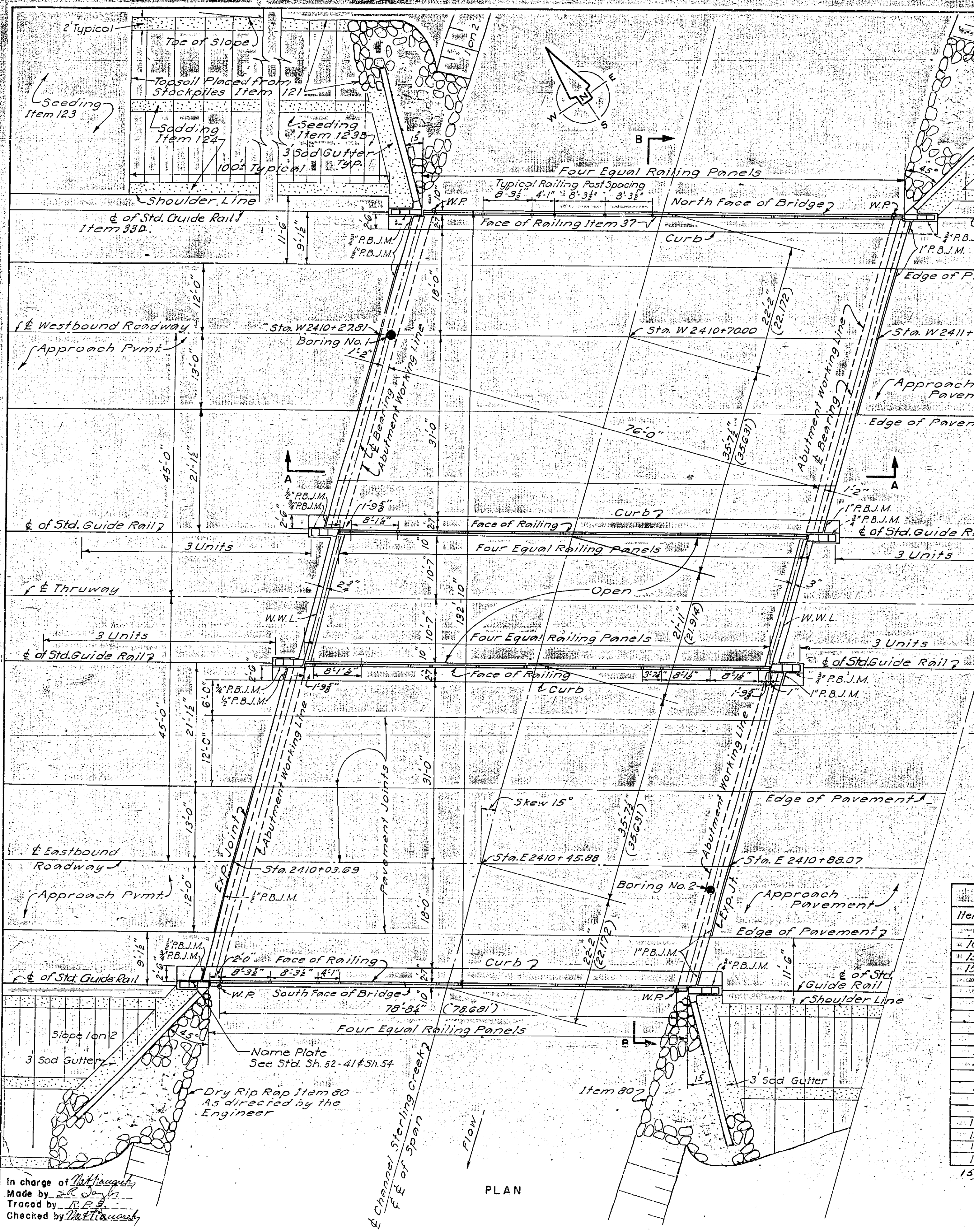
In charge of *Francis L. Brown*
 Made by *Harold A. Blauvelt*
 Traced by *R. P. B.*
 Checked by *Francis L. Brown*

Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-52
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	21	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						

21R



Item No.	Description	Unit	Neat	Total
5-8	Trench, Culvert & Bridge Excavation	C.Y.	2490	1097.2
10YR	Pipe Underdrain, Optional-6" Diam.	L.F.	408	241.0
15-2	Portland Cement, Type 2	Bbl.	3580	244.4
15-N	Natural Cement, Type N	Bbl.	496	29.9
18	Class 1A Concrete for Structures	C.Y.	1,251	12.1
19	Class 1A Concrete for Railings	C.Y.	1,251	12.1
25F	Steel Fabric Reinforcement	S.Y.	1,274	144.0
28	Bar Reinforcement for Structures	Lb.	21663	2,166.3
28B	Spiral Bar Shear Connectors	Lb.	2,573	257.3
29	Structural Steel	Lb.	382,260	38,226.0
37	Metal Railing	L.F.	1,323	132.3
47B	Cement Concrete Pavement	C.Y.	1,101	110.1
80	Dry Rip-Rap	CY	1,170	117.0
82	Cofferdams	S.F.	3,200	320.0
85C	Cast-in-place Concrete Piles	L.F.	21,210	2,121.0
87	Furn. Equip. for Driving Piles	L.S.	Nec.	
119	Run of Bank Gravel Fill	C.Y.	2,650	265.0
123B	Seeding on Prepared Area	Acre	0.39	0.39
124	Sodding	S.Y.	376	37.6
15-2A Portland Cement, Type 2A				231.0

Built as per plan

References:
Details of seeding to be as shown on Std. Sh. 50-34 except as otherwise shown on this plan.
For details of riprap see Sheet 8.
For General Notes see Sheet 3.
For Std. Guide Rail Item 33D see Std. Sh. 54.
For payment lines for Items 25, 5 & 119 see Sh. 88.

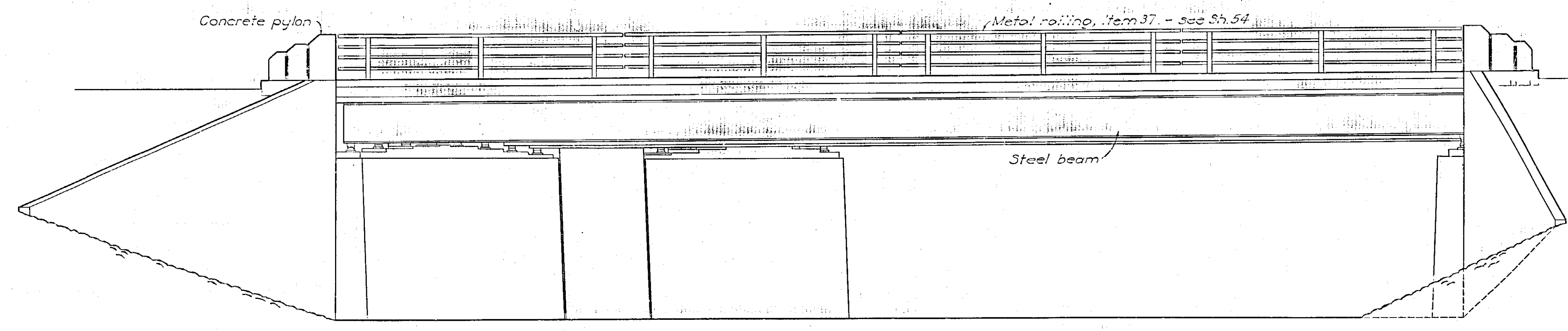
THRUWAY OVER STERLING CREEK STRUCTURE NO. 2 PLAN & SECTIONS			
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-B-20	1"=10'	4-1-52	

Francis L. Brown P.E. 13/1/44

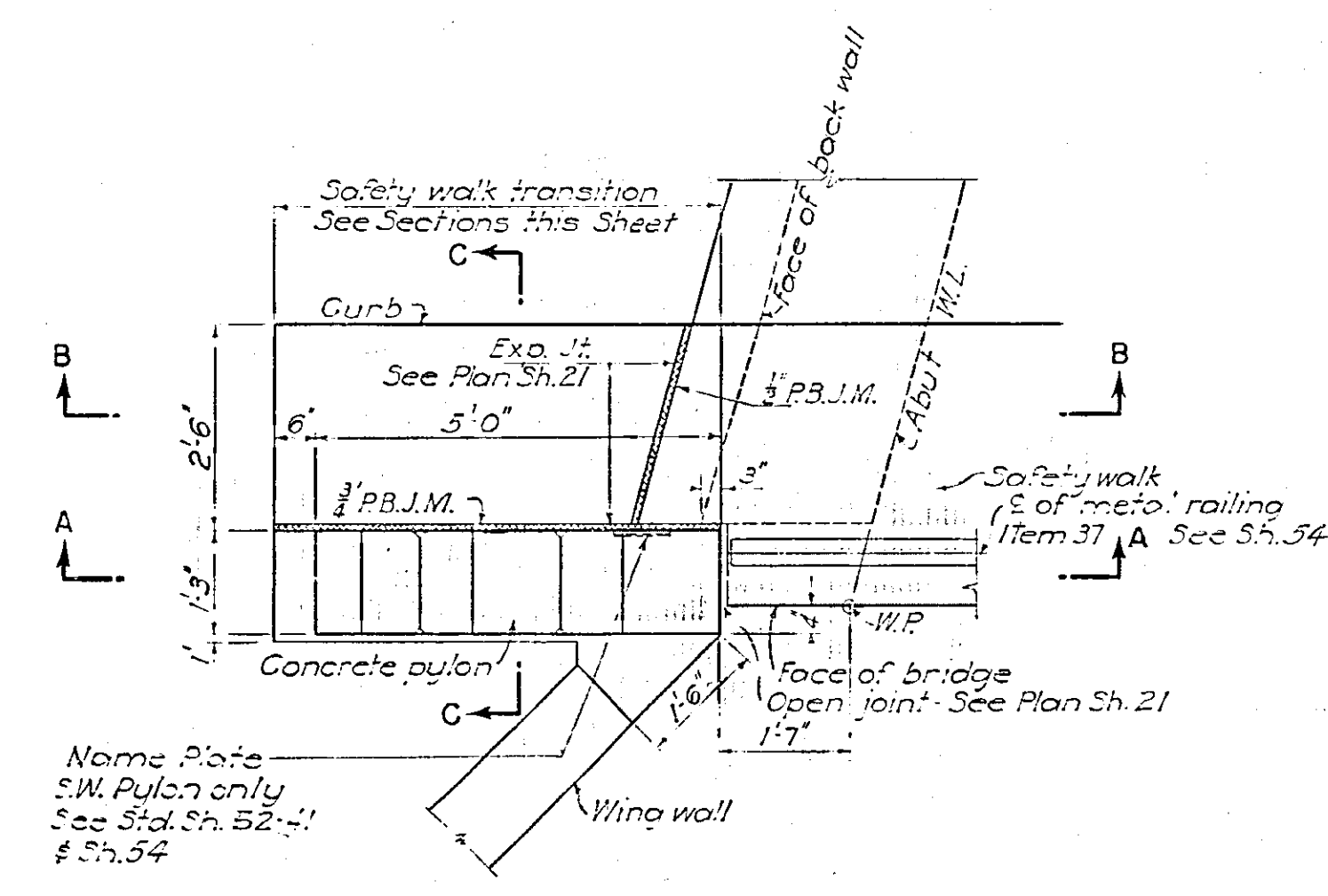
PREPARED AND RECOMMENDED:
Francis L. Brown, N.Y.S.E. L.C. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	22	90

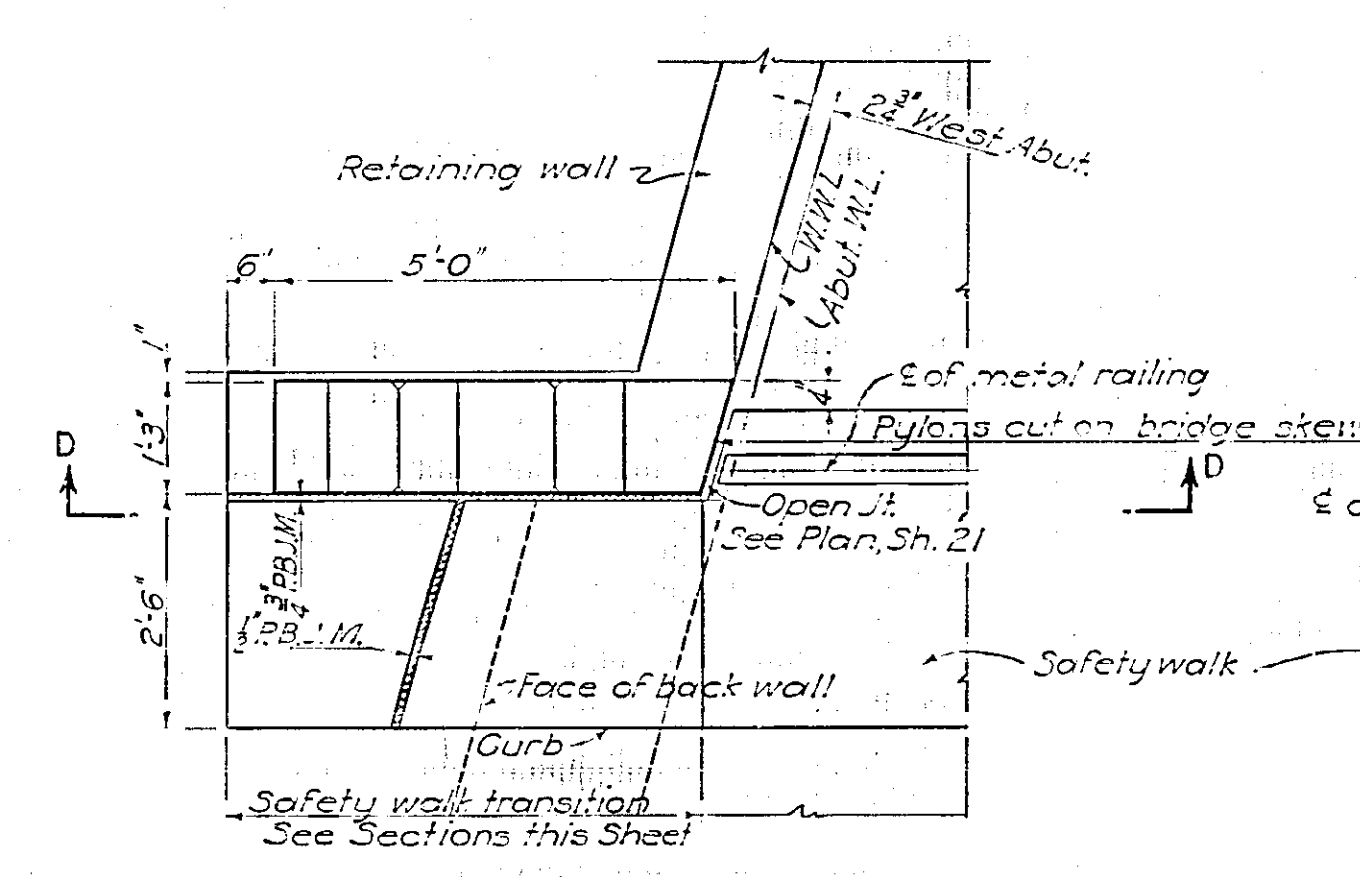
NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



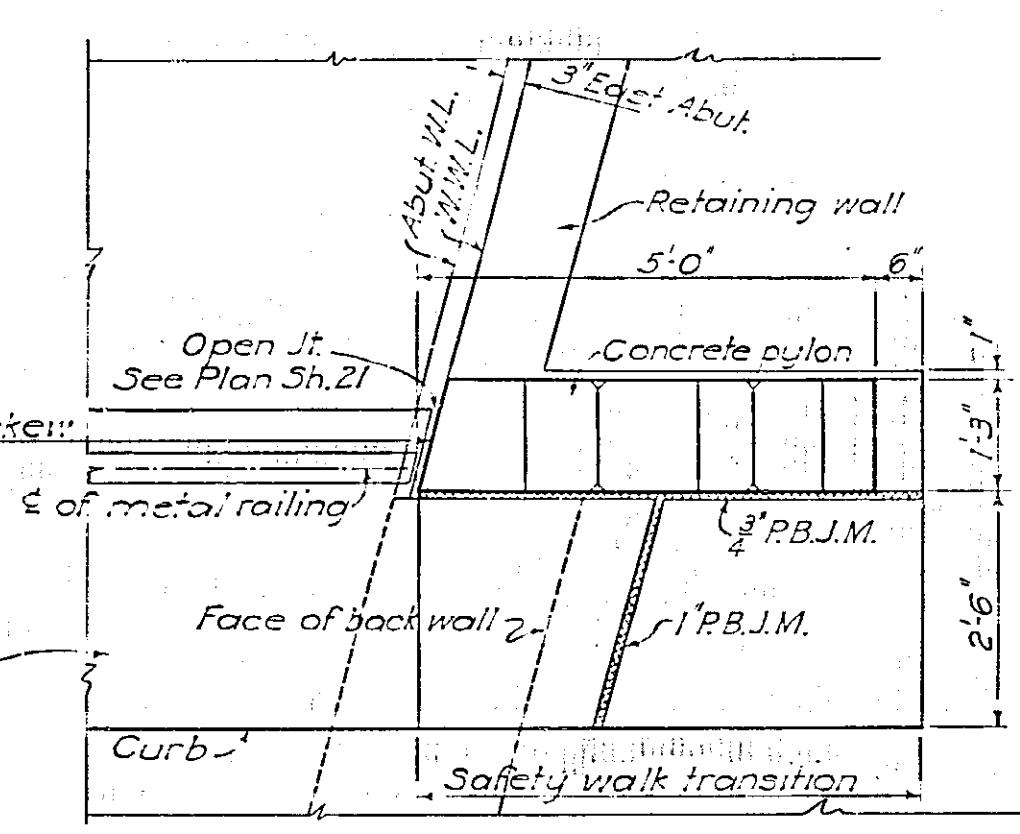
ELEVATION
Scale: $\frac{3}{8}'' = 1'-0''$



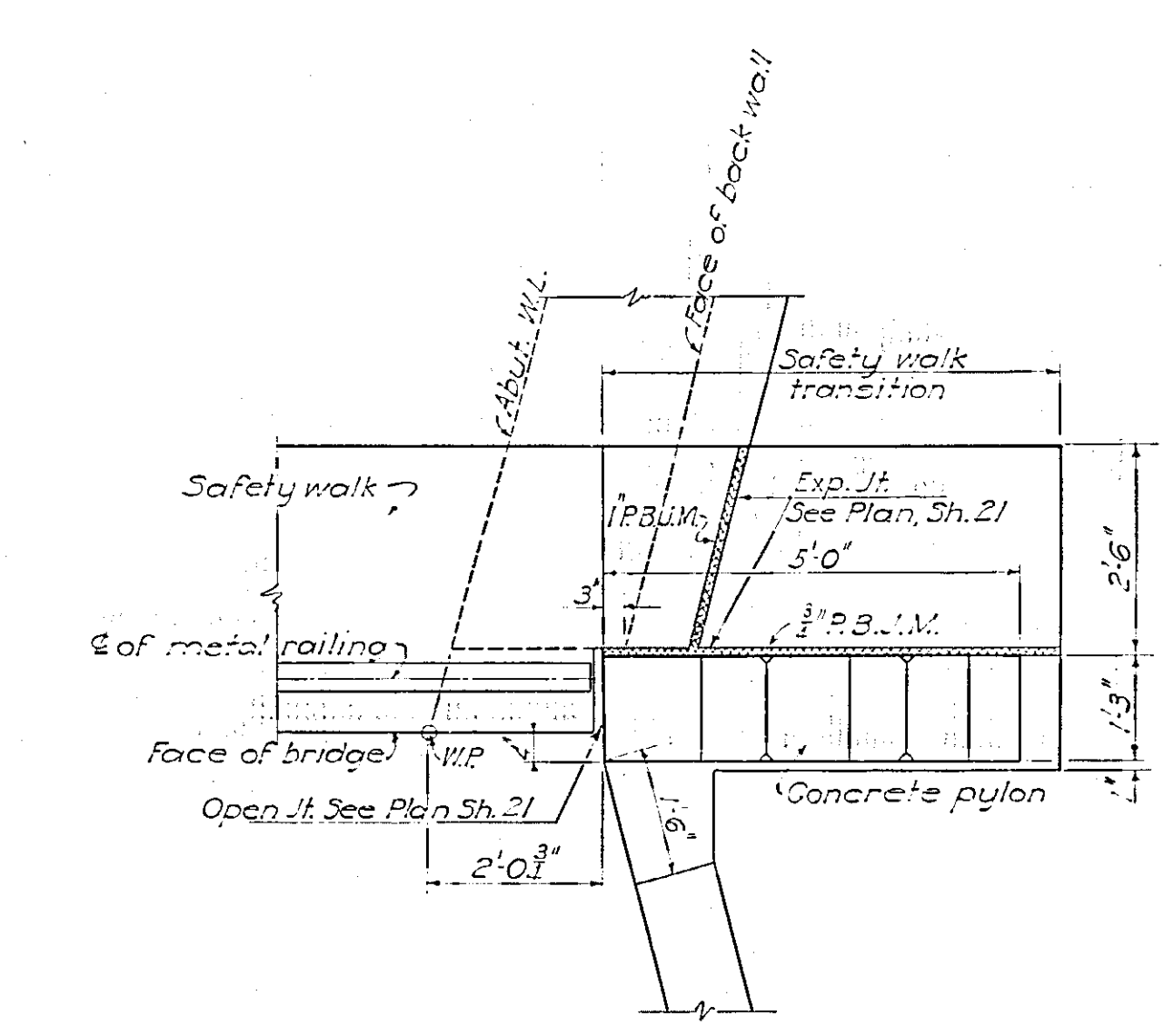
DETAIL PLAN
S.W. & N.E. PYLONS



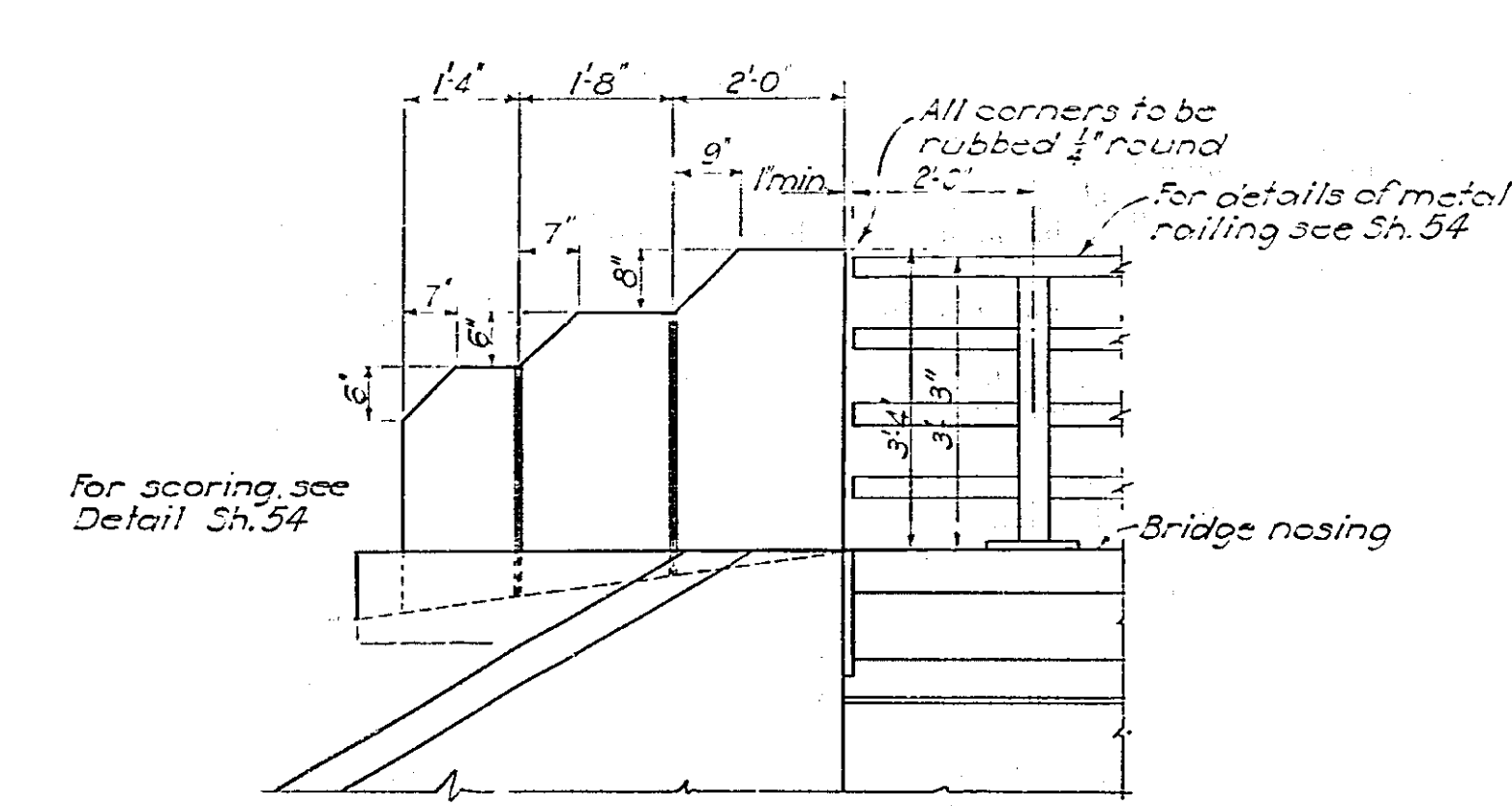
DETAIL PLAN
S.W. & N.E. INTERIOR PYLONS



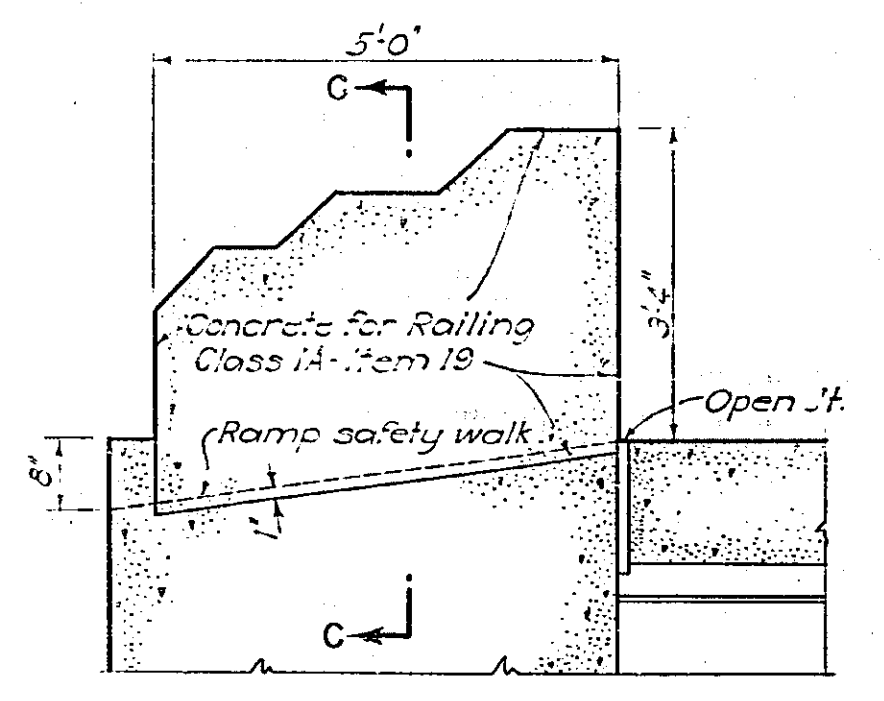
DETAIL PLAN
N.W. & S.E. INTERIOR PYLONS



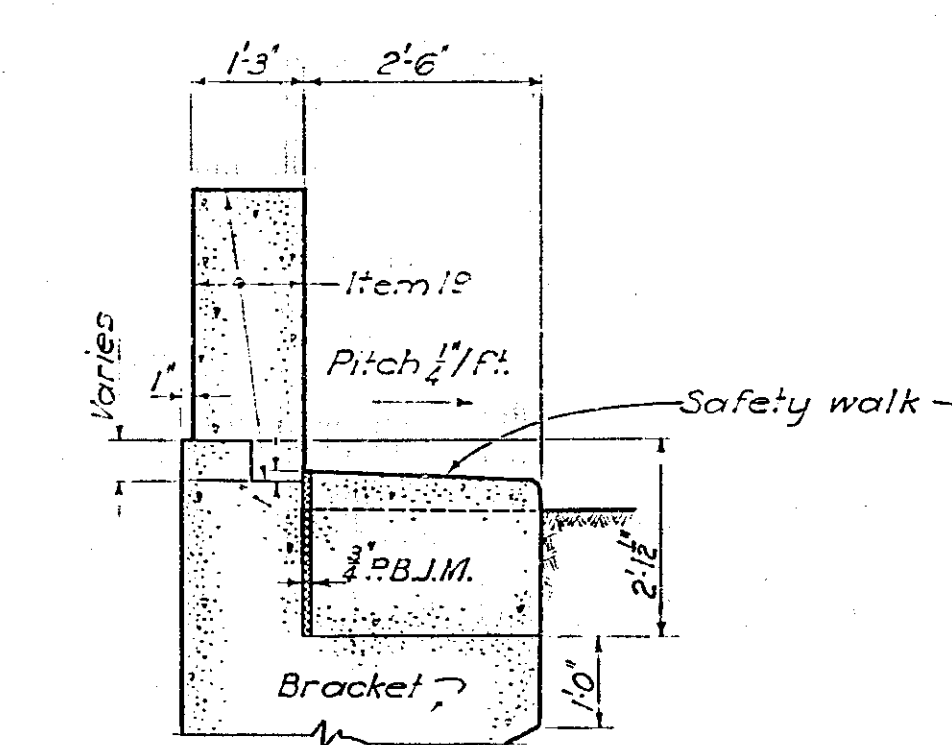
DETAIL PLAN
N.W. & S.E. PYLONS



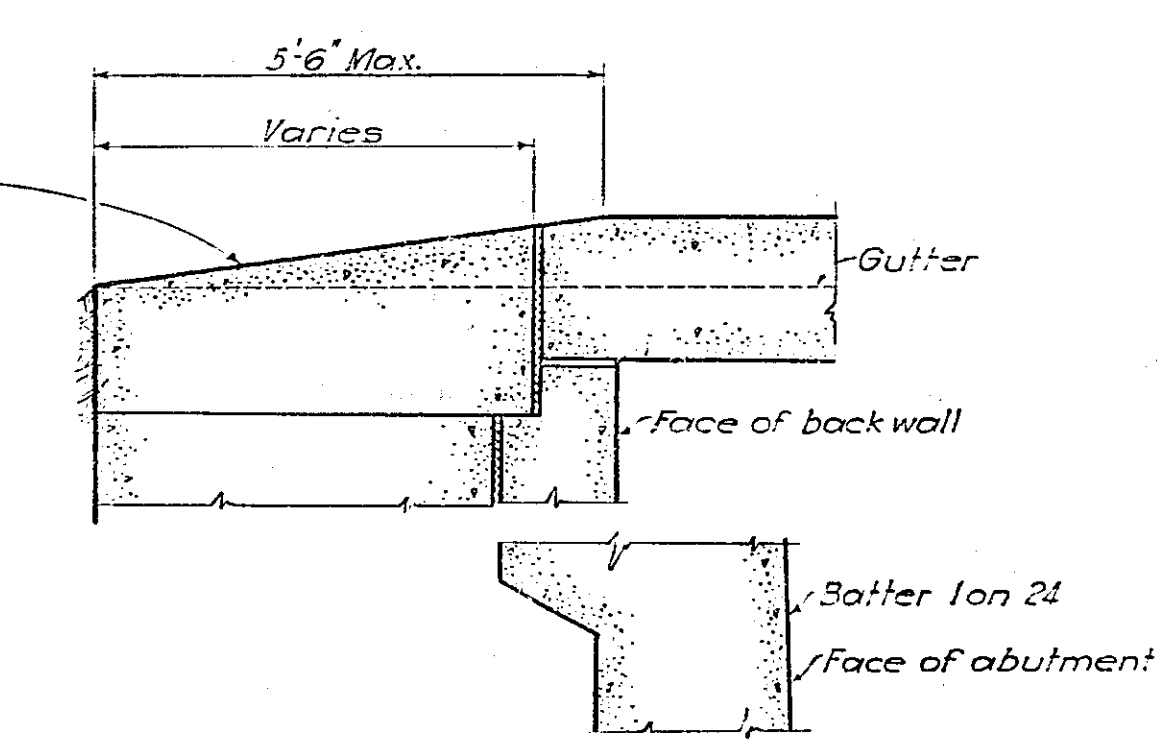
TYPICAL ELEVATION



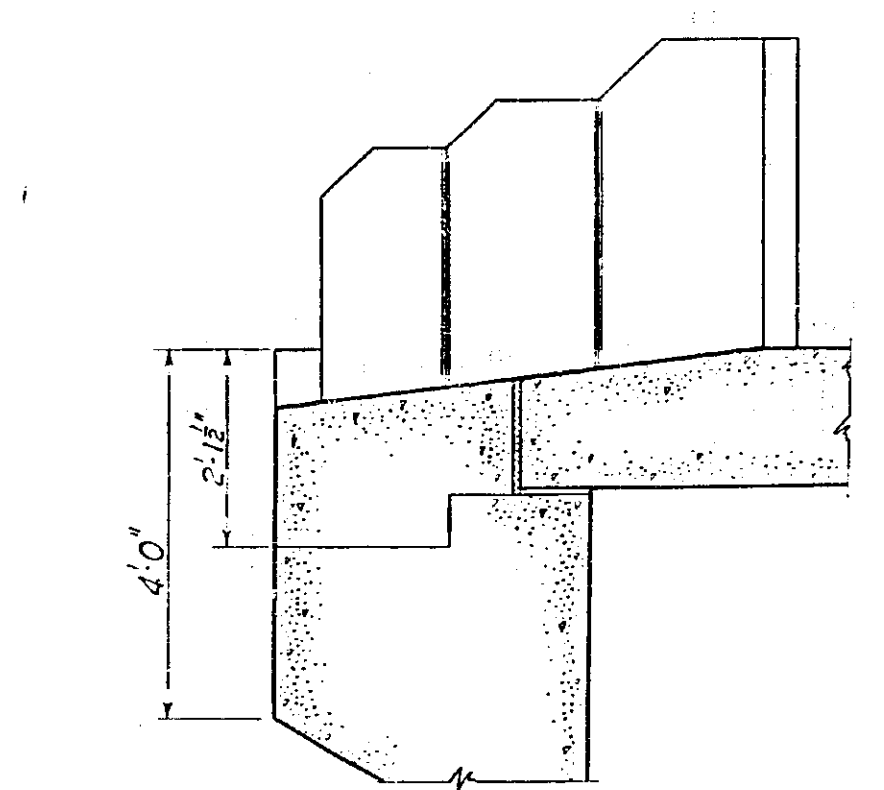
TYPICAL SECTION A-A



TYPICAL SECTION C-C



TYPICAL SECTION B-B



TYPICAL SECTION D-D

References:
For General Notes see Sh. 3

In charge of *W. H. Rausch*
Made by *W. H. Rausch*
Traced by *W. H. Rausch*
Checked by *W. H. Rausch*

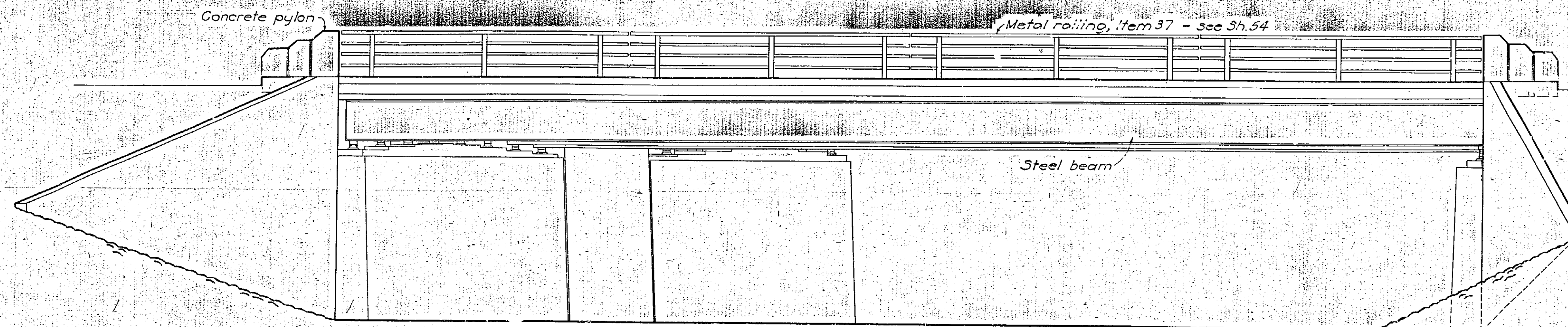
Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Harold A. Blauvelt
N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS

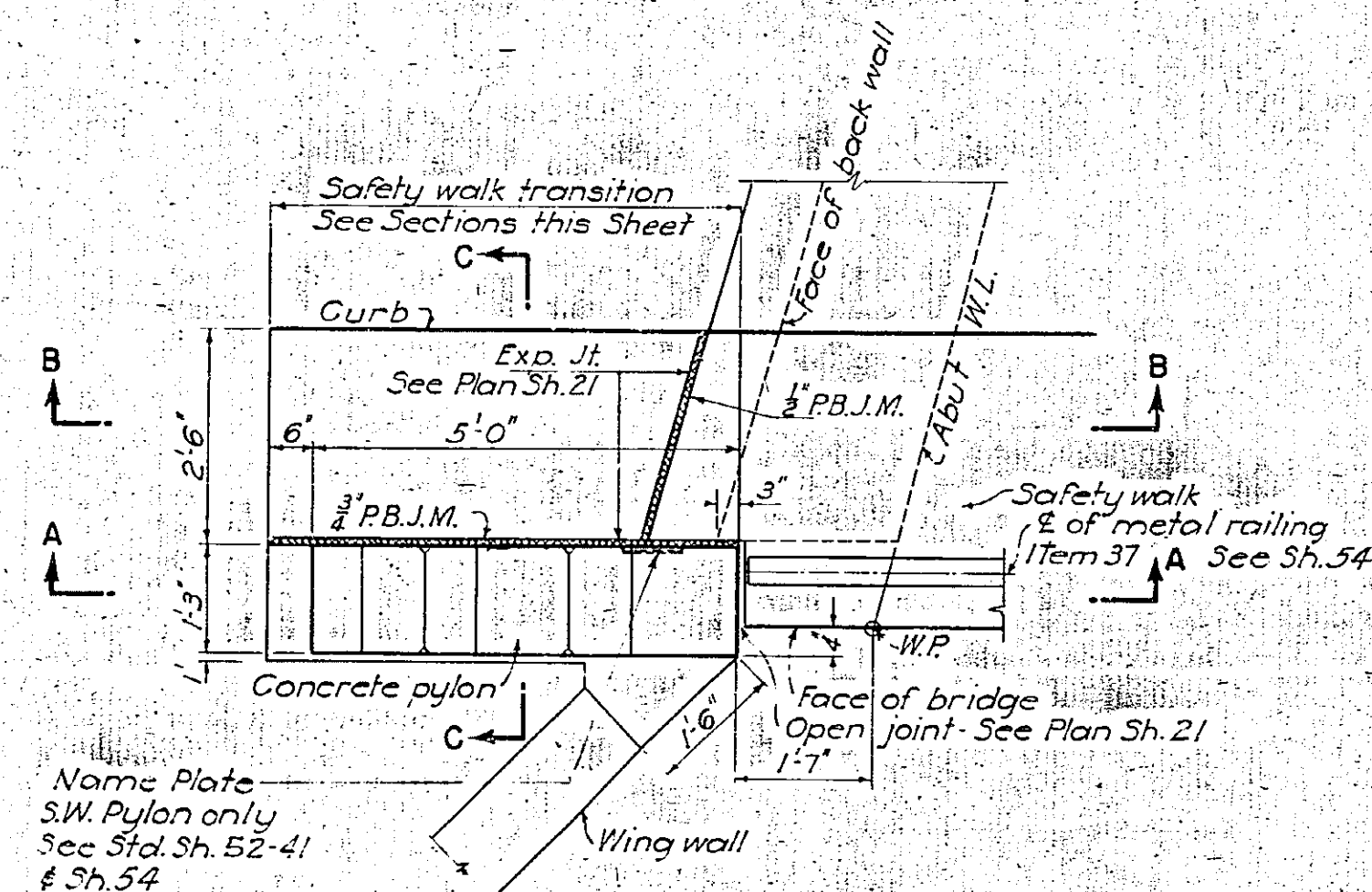
THRUWAY OVER STERLING CREEK STRUCTURE NO. 2 ARCHITECTURAL ELEVATIONS & DETAILS			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-21	$\frac{1}{8}'' = 1'-0''$ as shown	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
	NEW YORK			HERKIMER	22	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						

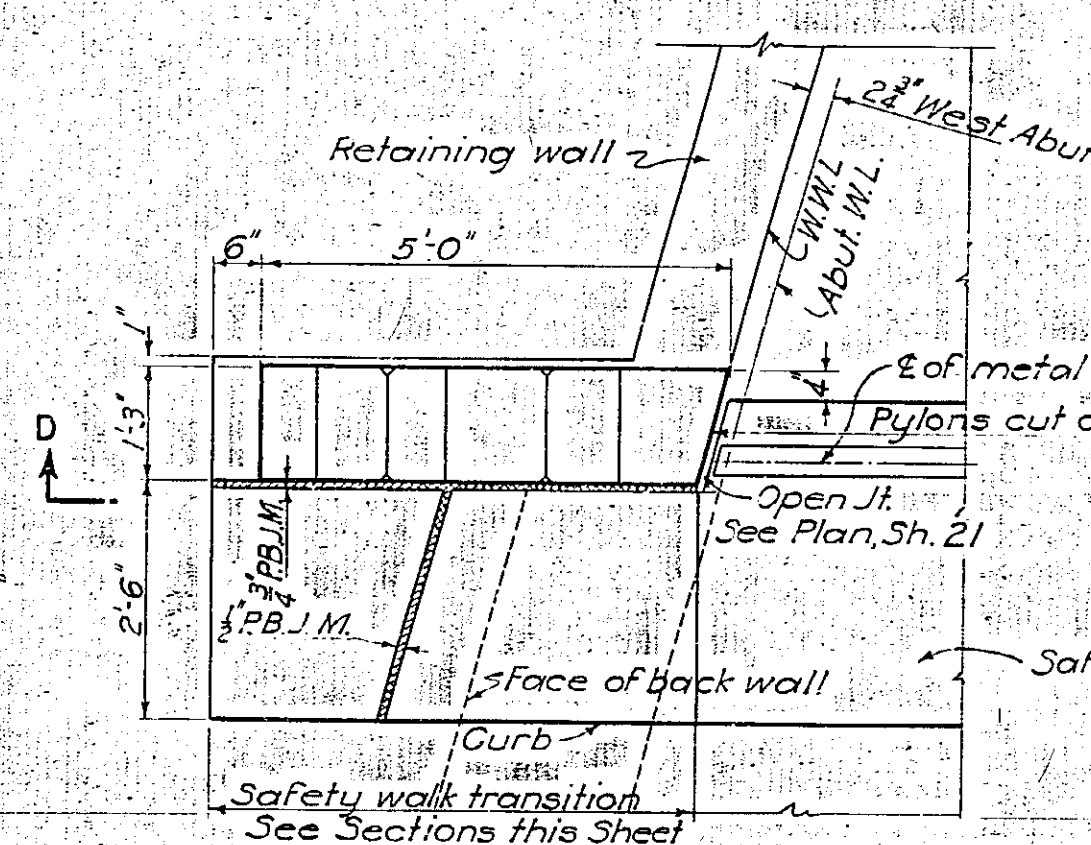
22R



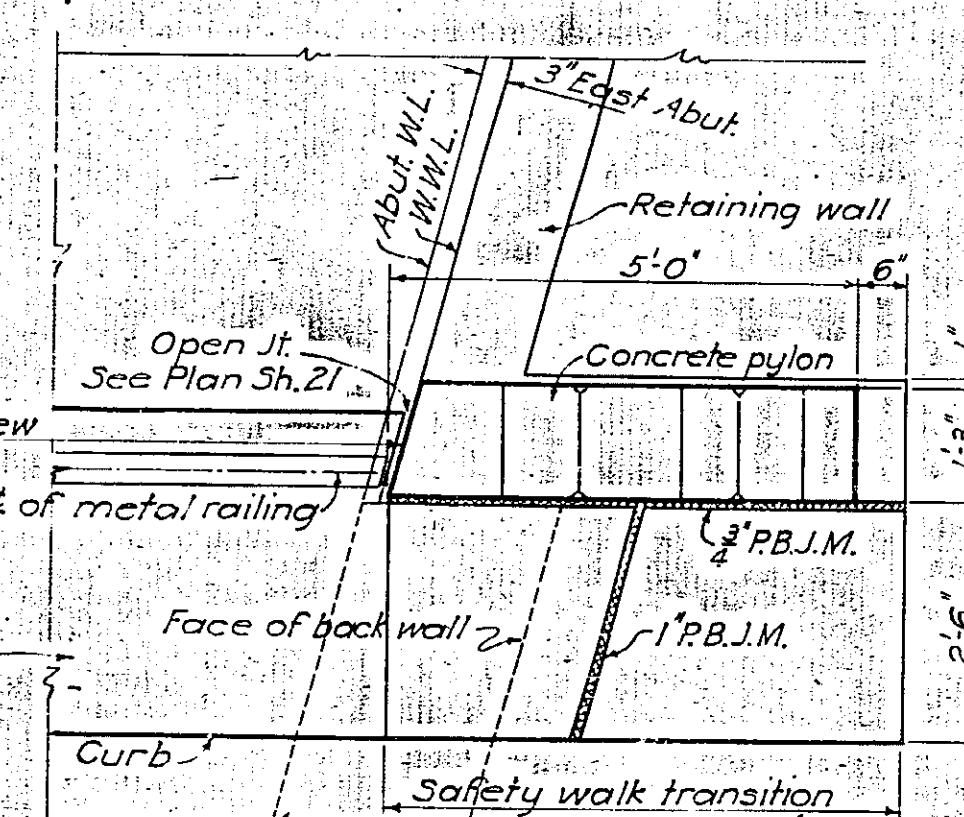
ELEVATION
Scale: $\frac{3}{16}$ " = 1'-0"



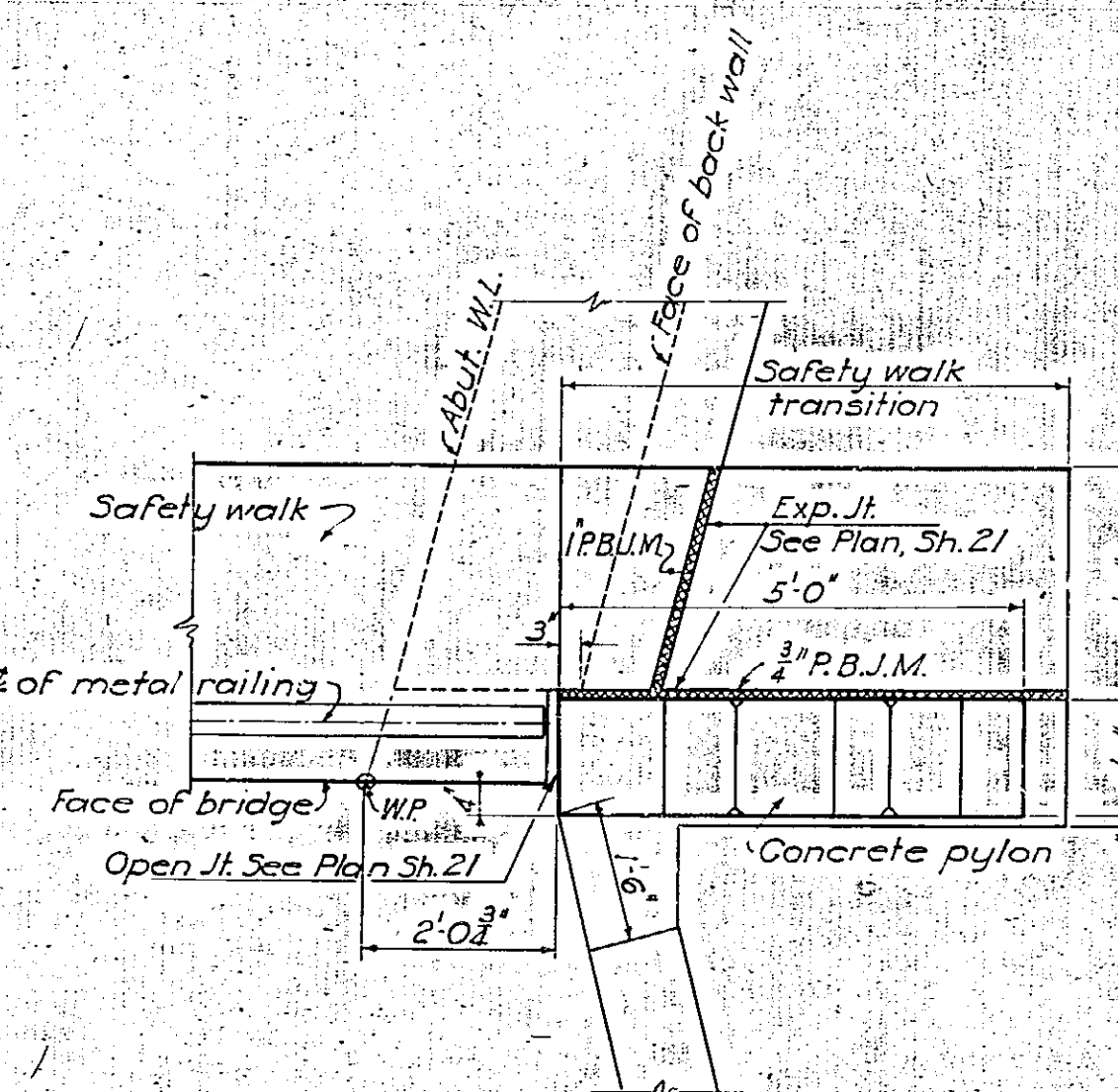
DETAIL PLAN
S.W. & N.E. PYLONS



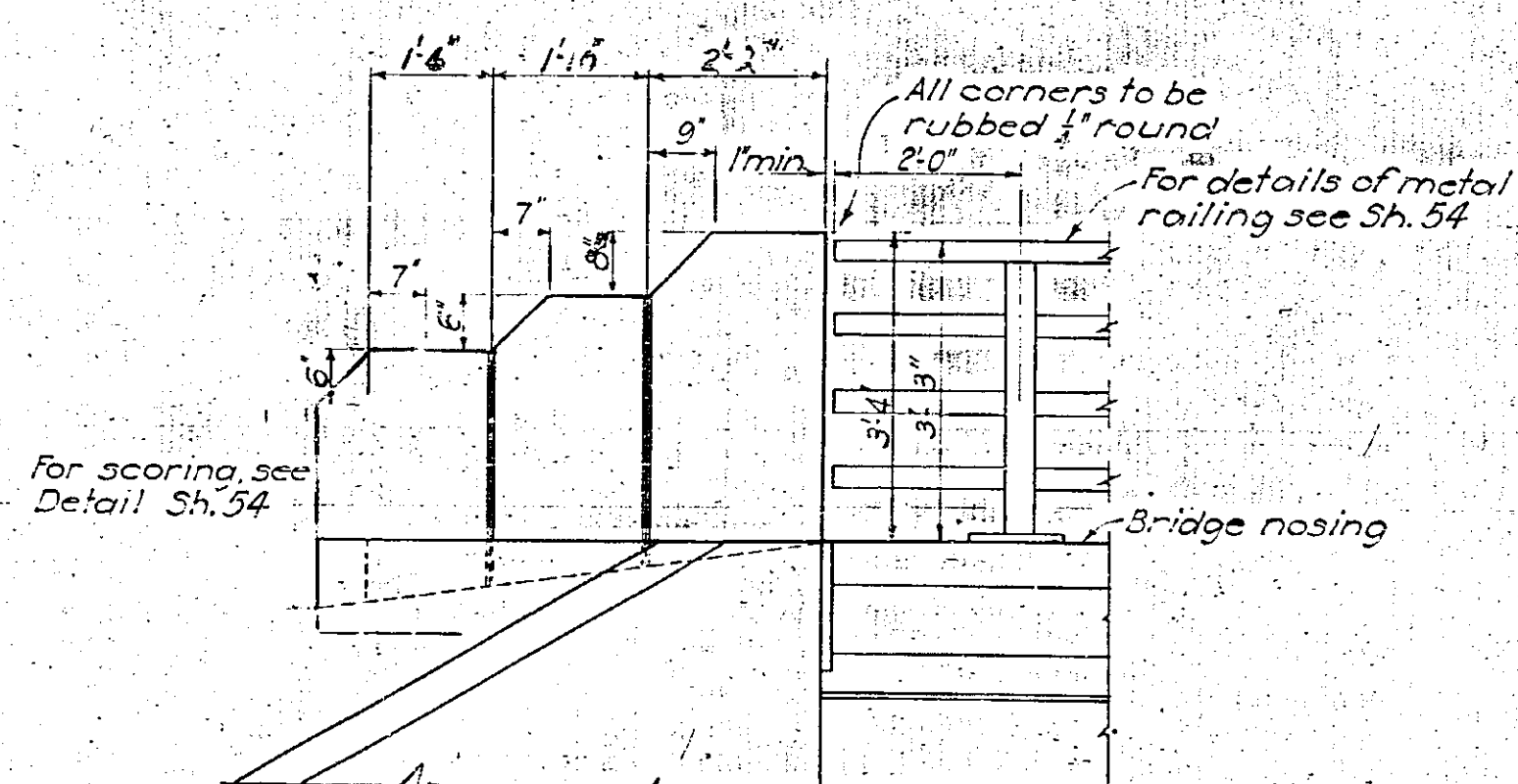
DETAIL PLAN
S.W. & N.E. INTERIOR PYLONS



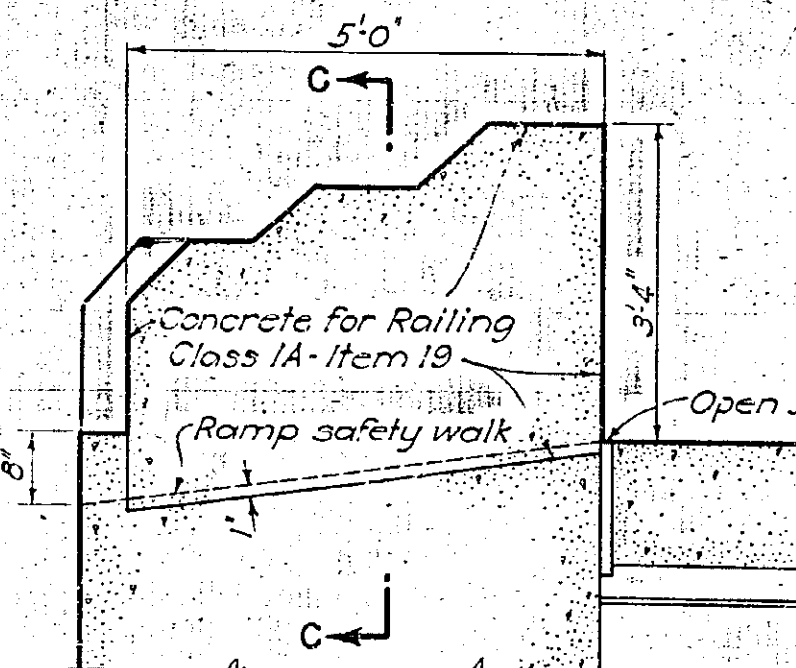
DETAIL PLAN
N.W. & S.E. INTERIOR PYLONS



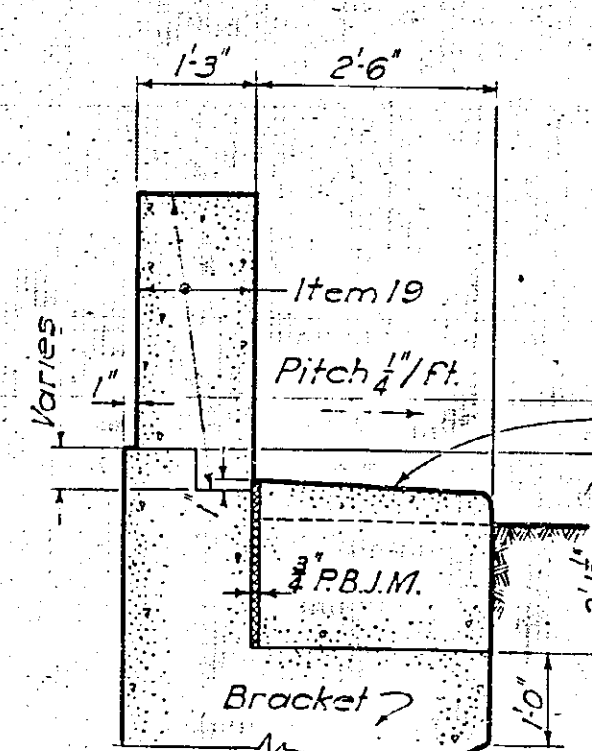
DETAIL PLAN
N.W. & S.E. PYLONS



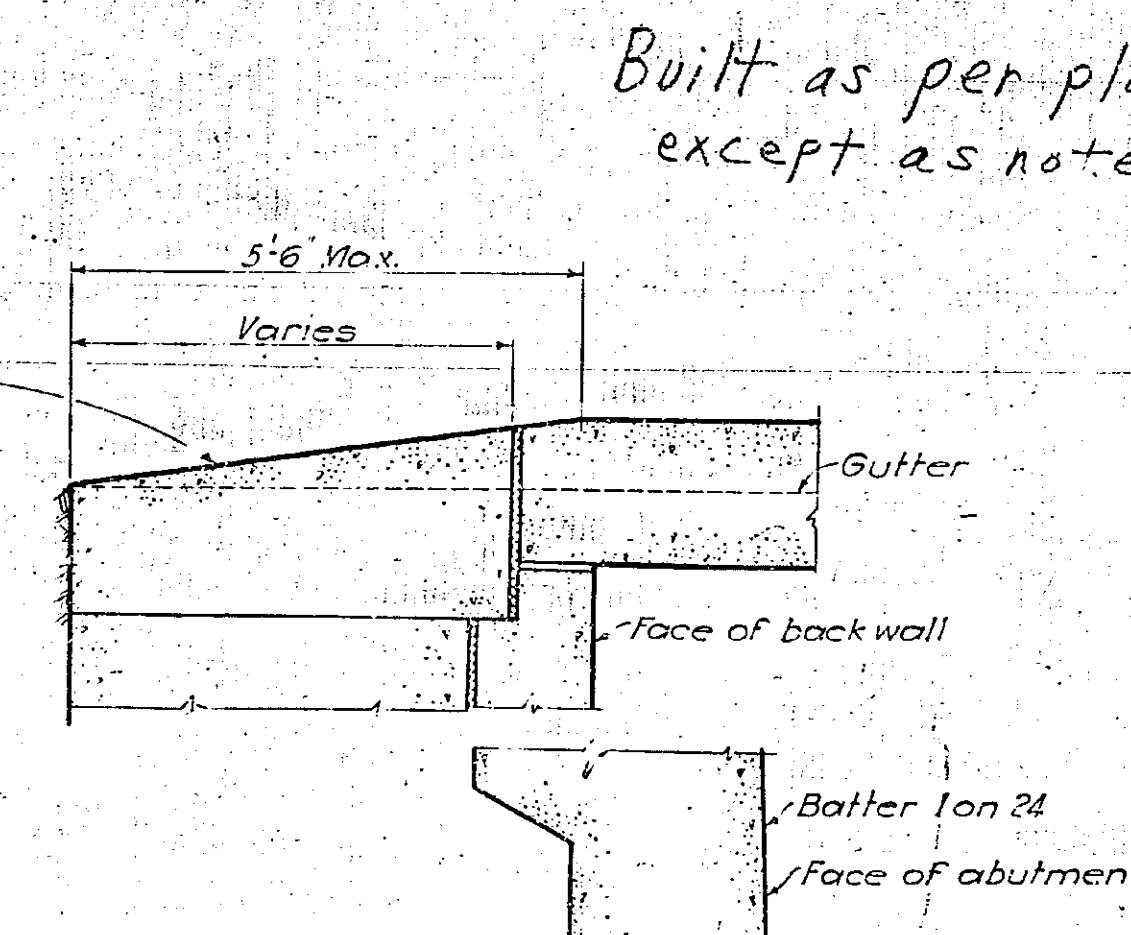
TYPICAL ELEVATION



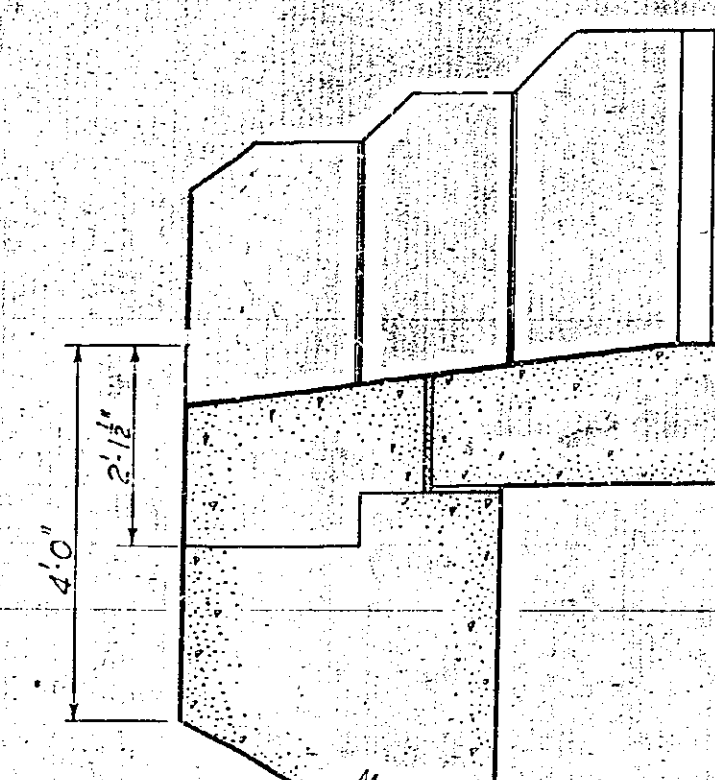
TYPICAL SECTION A-A



TYPICAL SECTION C-C



TYPICAL SECTION B-B



TYPICAL SECTION D-D

References:
For General Notes see Sh. 3

In charge of *W.H. Research*
Made by *W.H. Research*
Traced by *W.H. Research*
Checked by *W.H. Research*

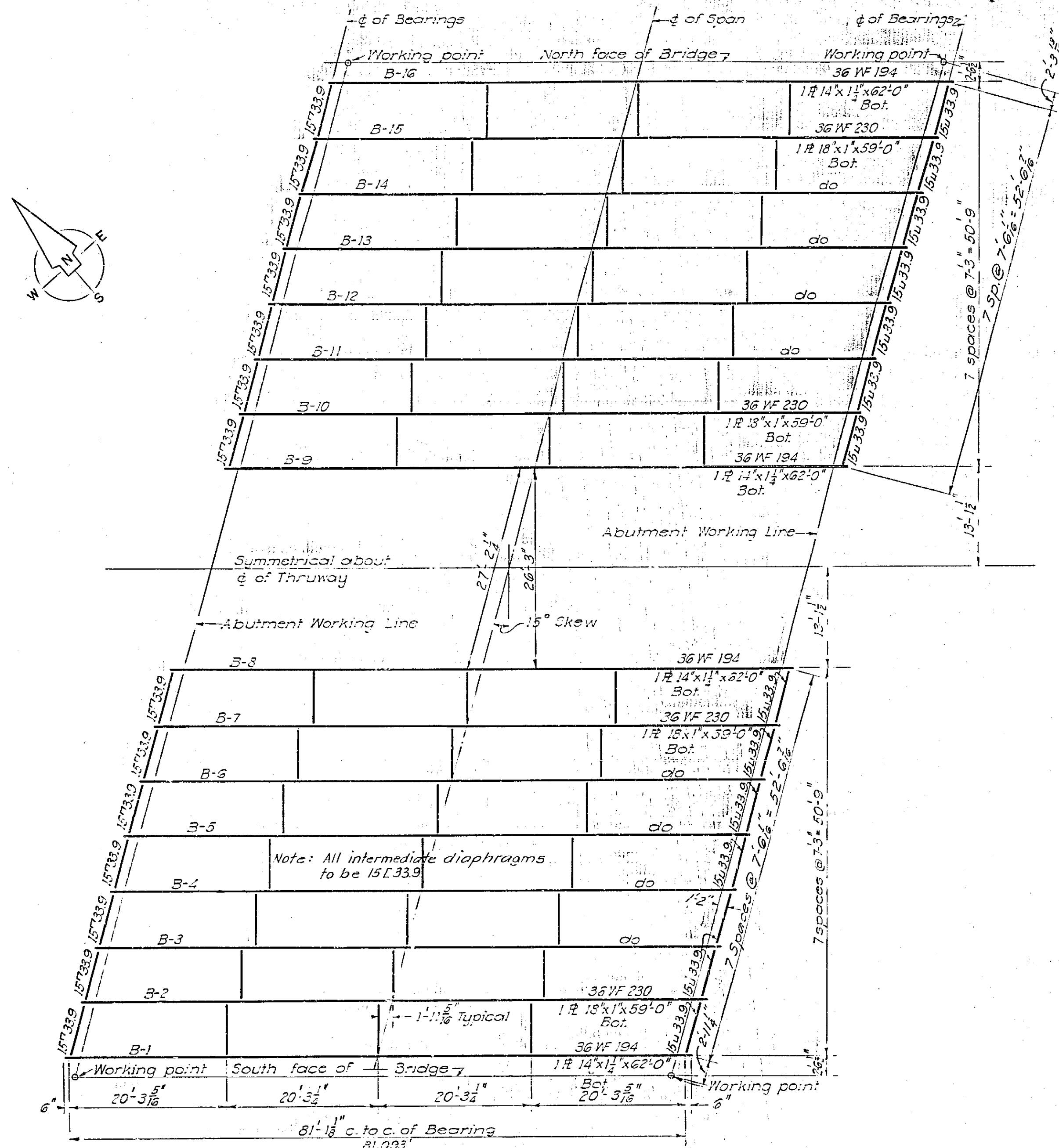
Francis L. Brown P.E. 12.14.64

PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 12032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

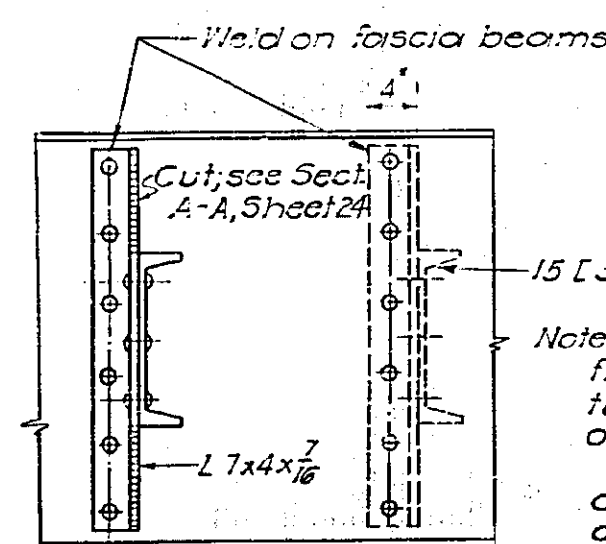
THRUWAY OVER STERLING CREEK STRUCTURE NO. 2 ARCHITECTURAL ELEVATIONS & DETAILS			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-21	$\frac{1}{8}$ " = 1'-0" & as shown	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	23	90

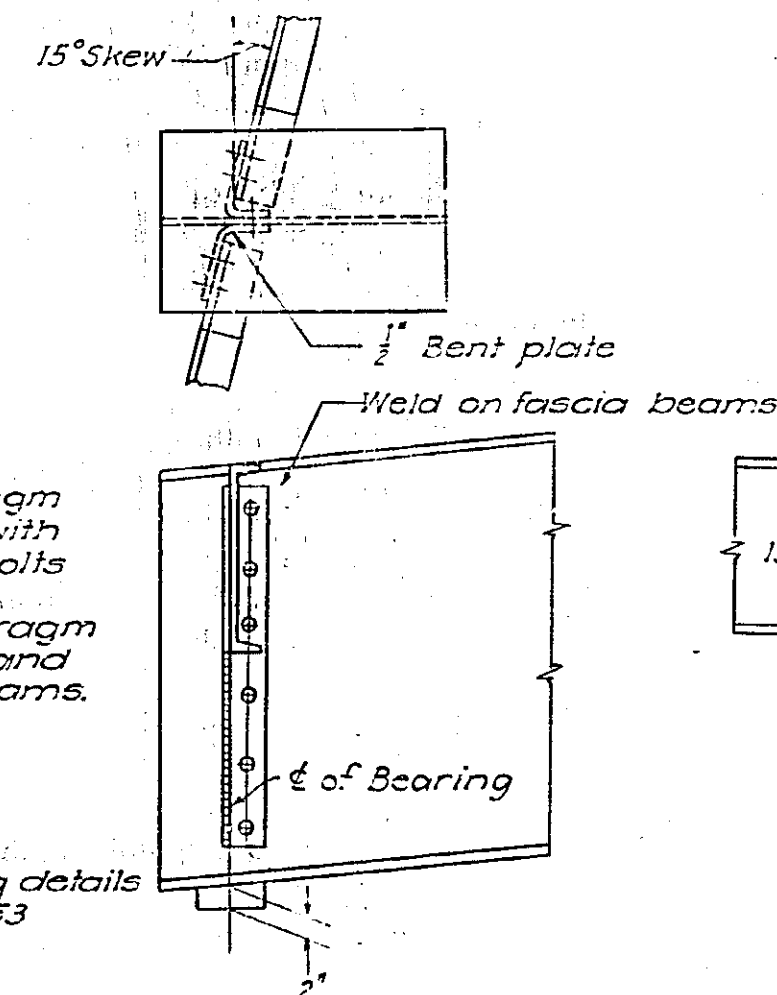
NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



FRAMING PLAN
Scale: $\frac{1}{32} = 1'-0"$



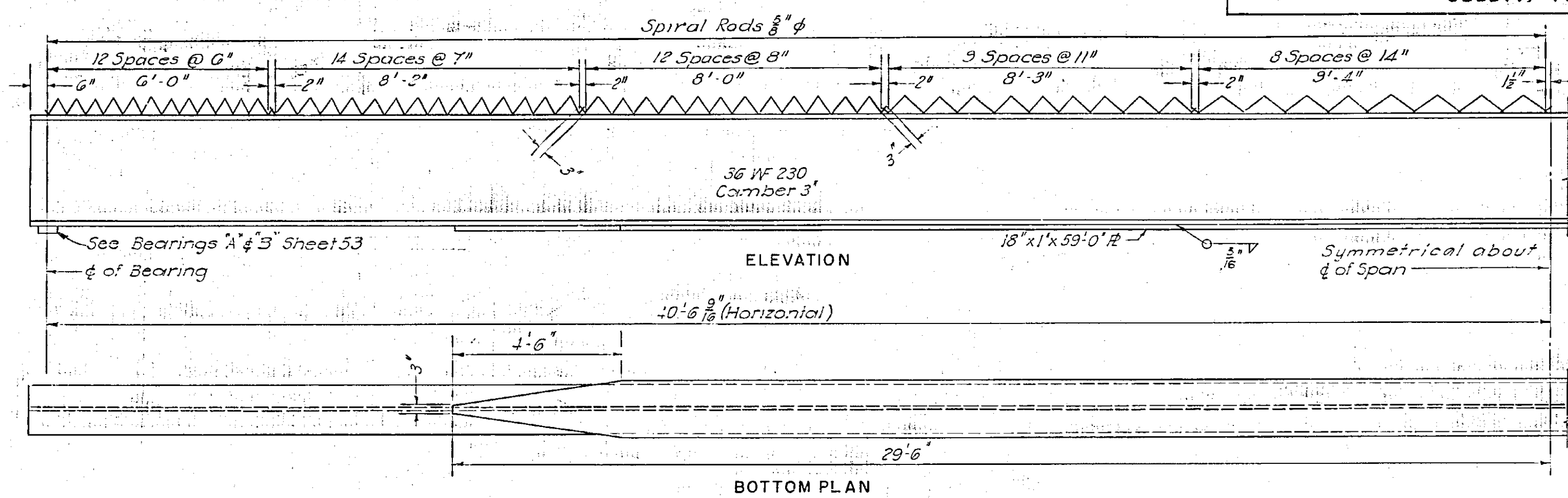
INTERIOR DIAPHRAGM



END DIAPHRAGM

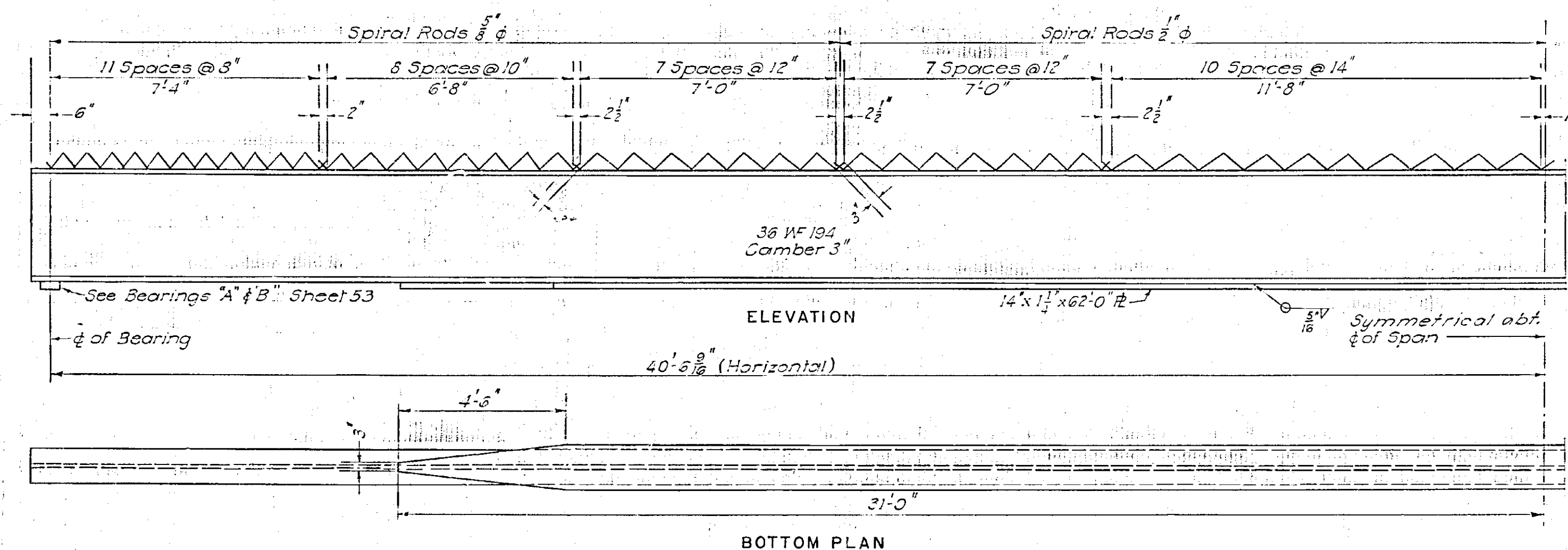
DIAPHRAGM CONNECTION DETAILS
Scale: $\frac{1}{4} = 1'-0"$

In charge of *Nett Remick*
Made by *S.A.*
Traced by *S.A.C.*
Checked by *Nett Remick*



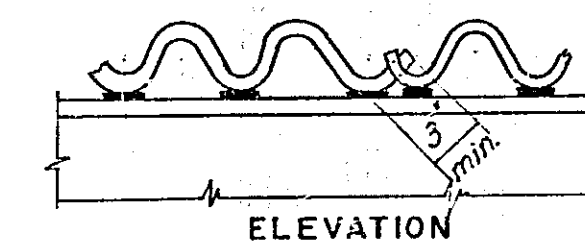
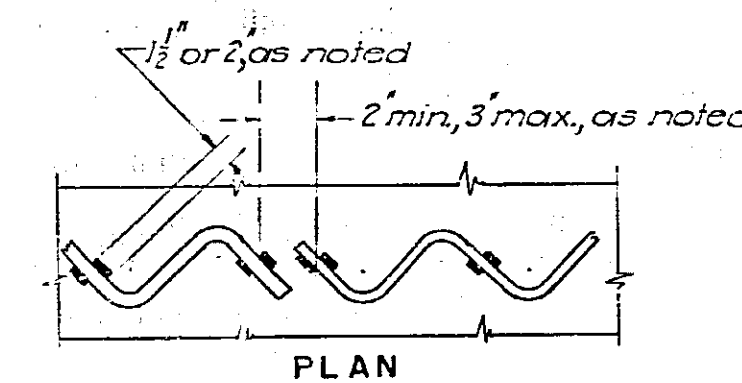
INTERIOR STRINGERS B-2 to B-7 & B-10 to B-15 incl.
Scale: $\frac{1}{8} = 1'-0"$

Note: Diaphragm connections not shown.

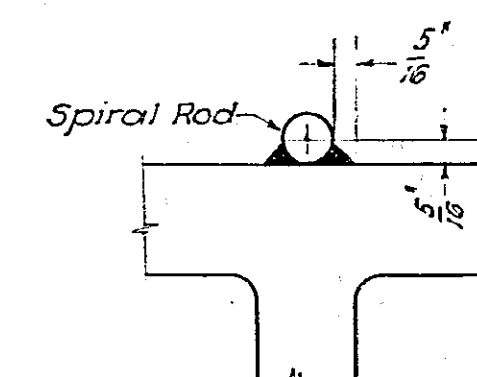


FASCIA STRINGERS B-1, B-8, B-9 & B-16
Scale: $\frac{1}{8} = 1'-0"$

Note: Diaphragm connections not shown.



5" Mean dia. for all spirals
1/2" or 5/8" spiral rods, as noted
Item 22B



SPIRAL DETAILS
Not to Scale

For 5/8" spiral rods use 5/8" structural welds 2" long, both sides.
For 1/2" spiral rods use 1/2" structural welds 1 1/2" long, both sides.

References:
For General Notes see Sheet 3
For Bearing Details see Sheet 53
For Typical Cross Sections see Sheet 24

THRUWAY OVER STERLING CREEK
STRUCTURE NO. 2
FRAMING PLAN & DETAILS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13-B-23	As Noted	4-1-52	CONSULTING ENGINEERS	CONSULTING ENGINEERS

PREPARED AND RECOMMENDED:
Harold A. Blauvelt NYSPE, LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	24	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						

SECTION B-B
Scale 3/16" = 1'-0"

ELEVATIONS		
Stringer Mark	Elev. "a" West Abut	Elev. "b" East Abut
B-1	430.92	431.45
B-2	431.17	431.56
B-3	431.30	431.79
B-4	431.33	431.82
B-5	431.23	431.72
B-6	431.11	431.60
B-7	430.97	431.43
B-8	430.83	431.32
B-9	430.87	431.36
B-10	431.03	431.52
B-11	431.20	431.69
B-12	431.34	431.83
B-13	431.47	431.96
B-14	431.48	431.95
B-15	431.36	431.85
B-16	431.17	431.63

Note: Immediately before placing the pavement concrete, the concrete surface or surfaces upon which it is to be placed shall be thoroughly wetted down continuously for one hour, if the air temperature is above 50°F.

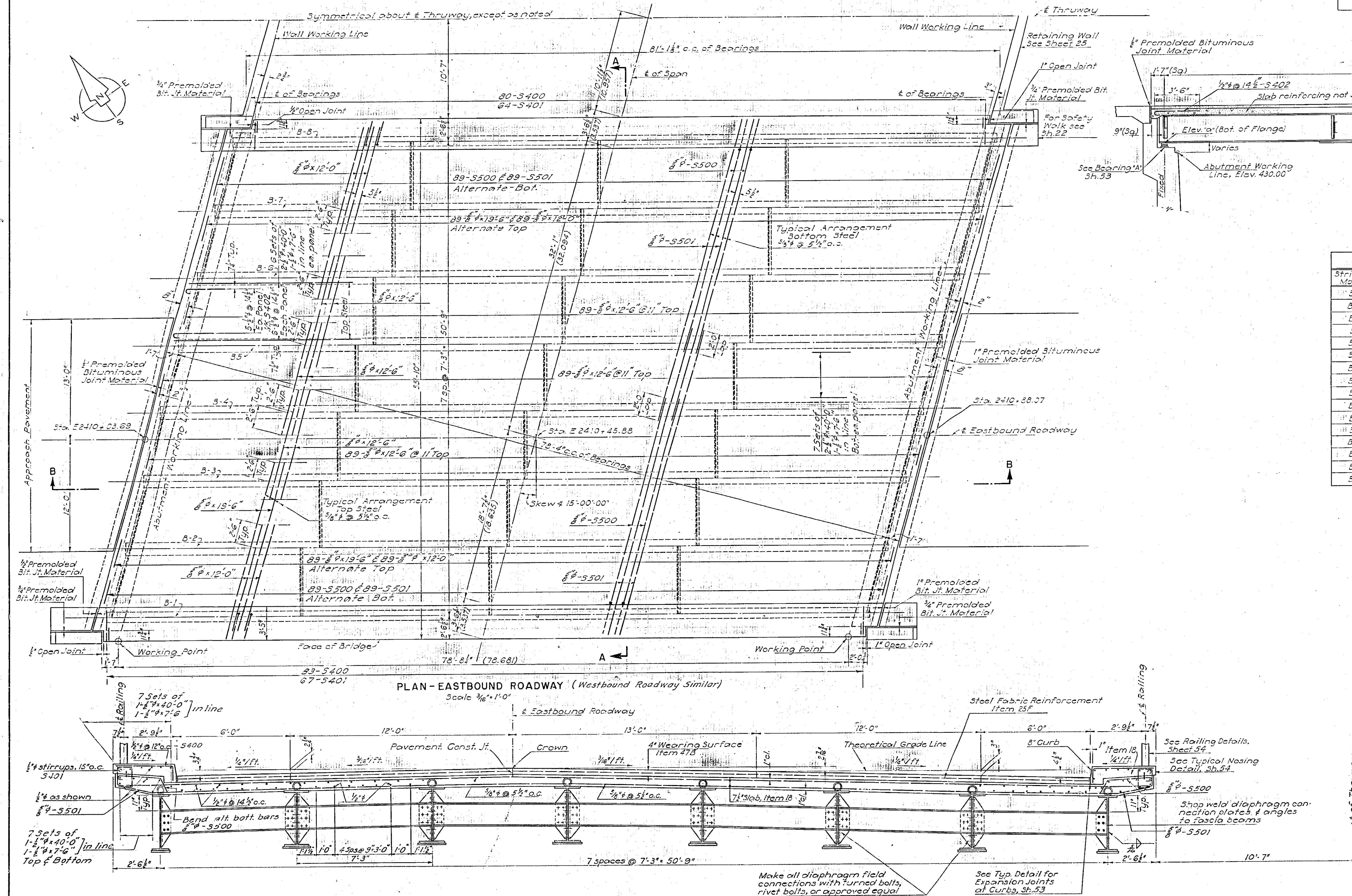
References:
For General Notes see Sh. 3
For Steel Framing Plan see Sh. 29 & 30
For Bar List see Sh. 57 & 58

THRUWAY OVER STERLING CREEK
STRUCTURE NO. 2
DECK SLAB & DETAILS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-B-22	As Shown	4-1-52	

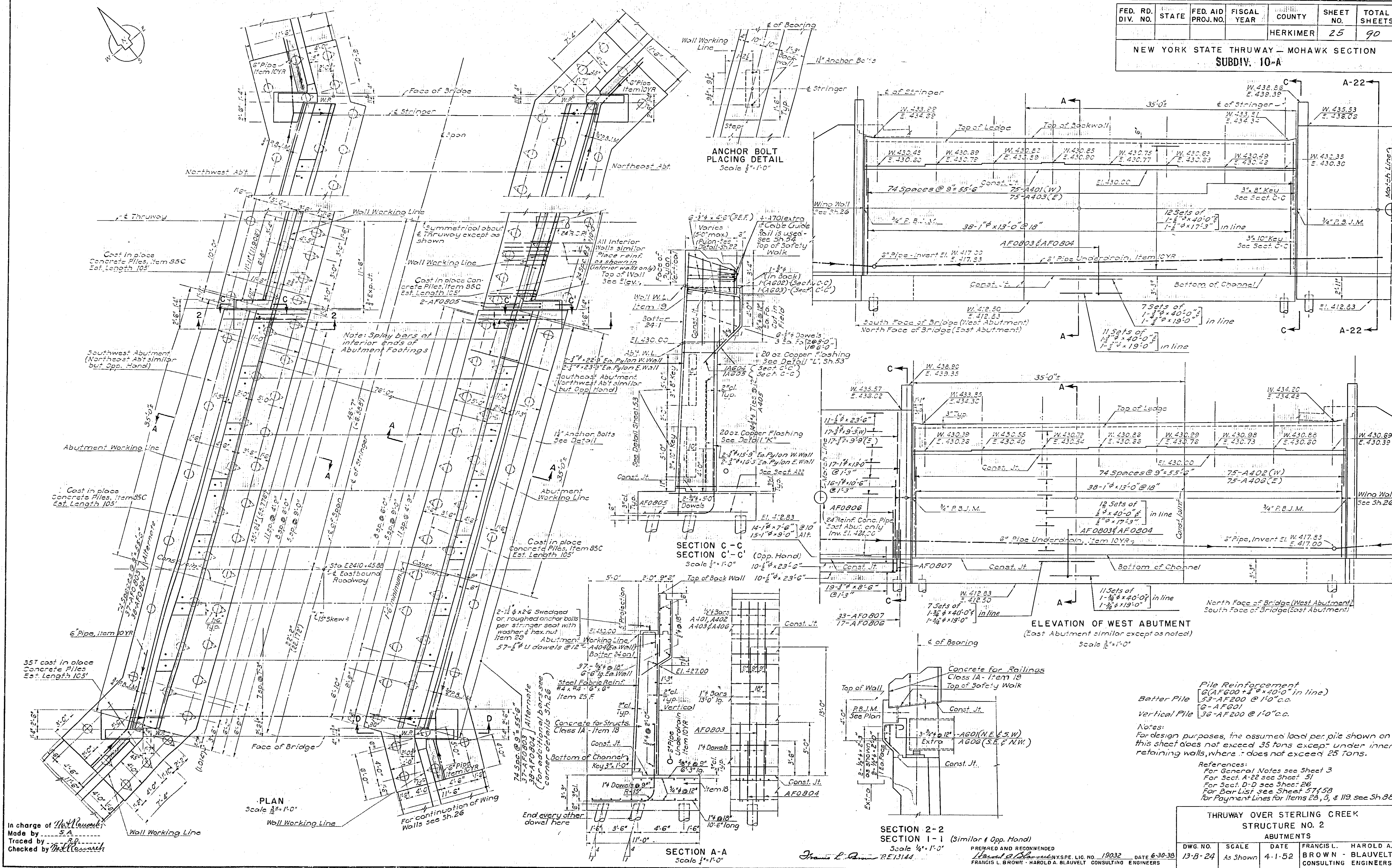
PREPARED AND RECOMMENDED:
Francis L. Brown, N.Y.S.P.E., LIC. NO. 19032, DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

Francis L. Brown P.E. 13/44



In charge of *W.H. Roush*
Made by *P.L.*
Traced by *R.D.*
Checked by *W.H. Roush*

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	25	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						

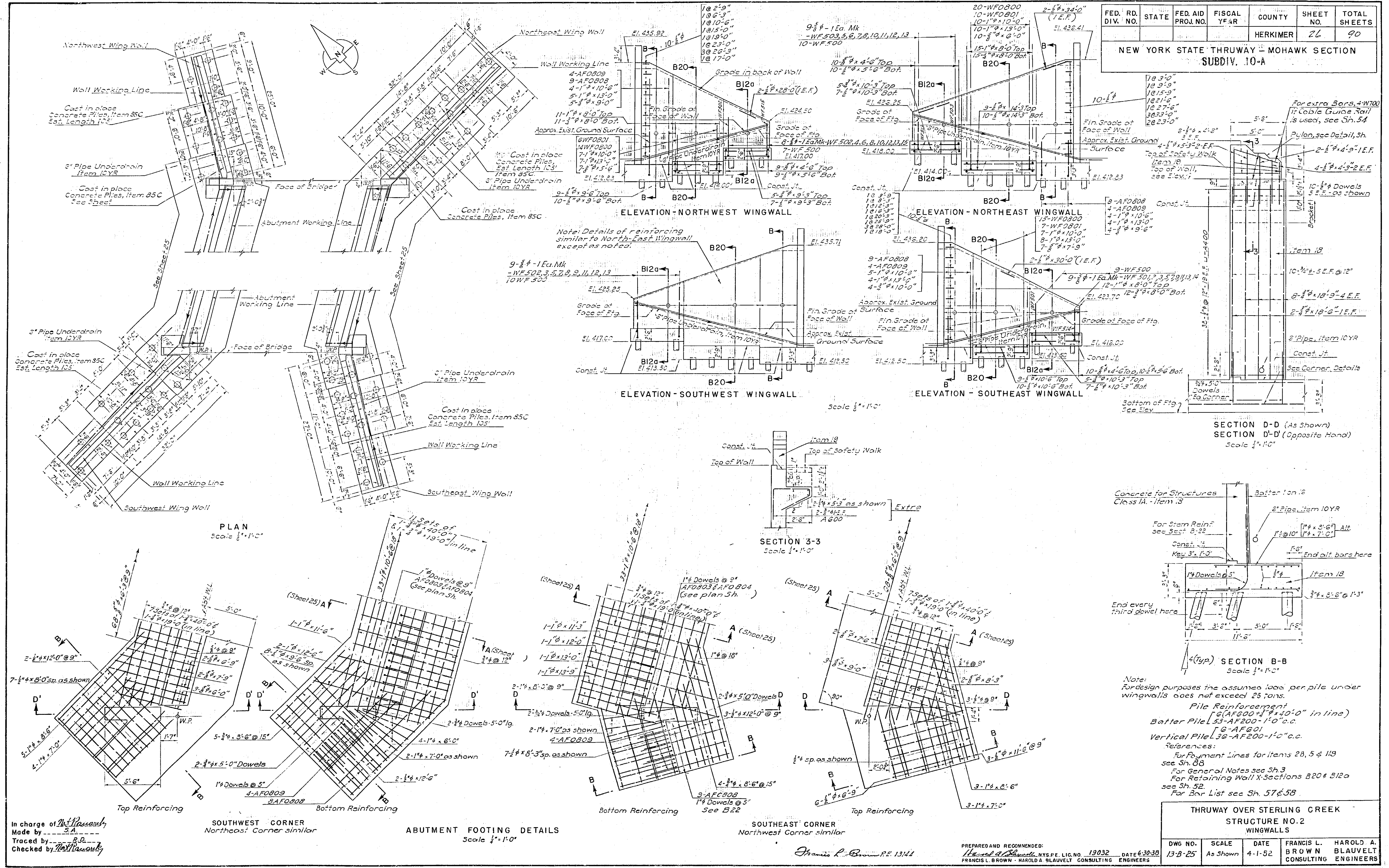


In charge of *W.H. Research*
Made by *S.A.*
Traced by *R.P.*
Checked by *W.H. Research*

Francis L. Brown
PREPARED AND RECOMMENDED
Francis L. Brown - Harold A. Blauvelt
DATE 6-30-38
CONSULTING ENGINEERS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13-B-24	As Shown	4-1-52	BROWN - BLAUVELT	CONSULTING ENGINEERS

FED. DIV. NO.	RD. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
					HERKIMER	26	90
NEW YORK STATE THRUWAY - MOHAWK SECTION							
SUBDIV. 10-A							



In charge of *W. J. Murphy*
Made by *S.A.*
Traced by *S.A.*
Checked by *W. J. Murphy*

SOUTHWEST CORNER
Northeast Corner similar

ABUTMENT FOOTING DETAILS
Scale 1/4" = 1'-0"

SOUTHEAST CORNER
Northwest Corner similar

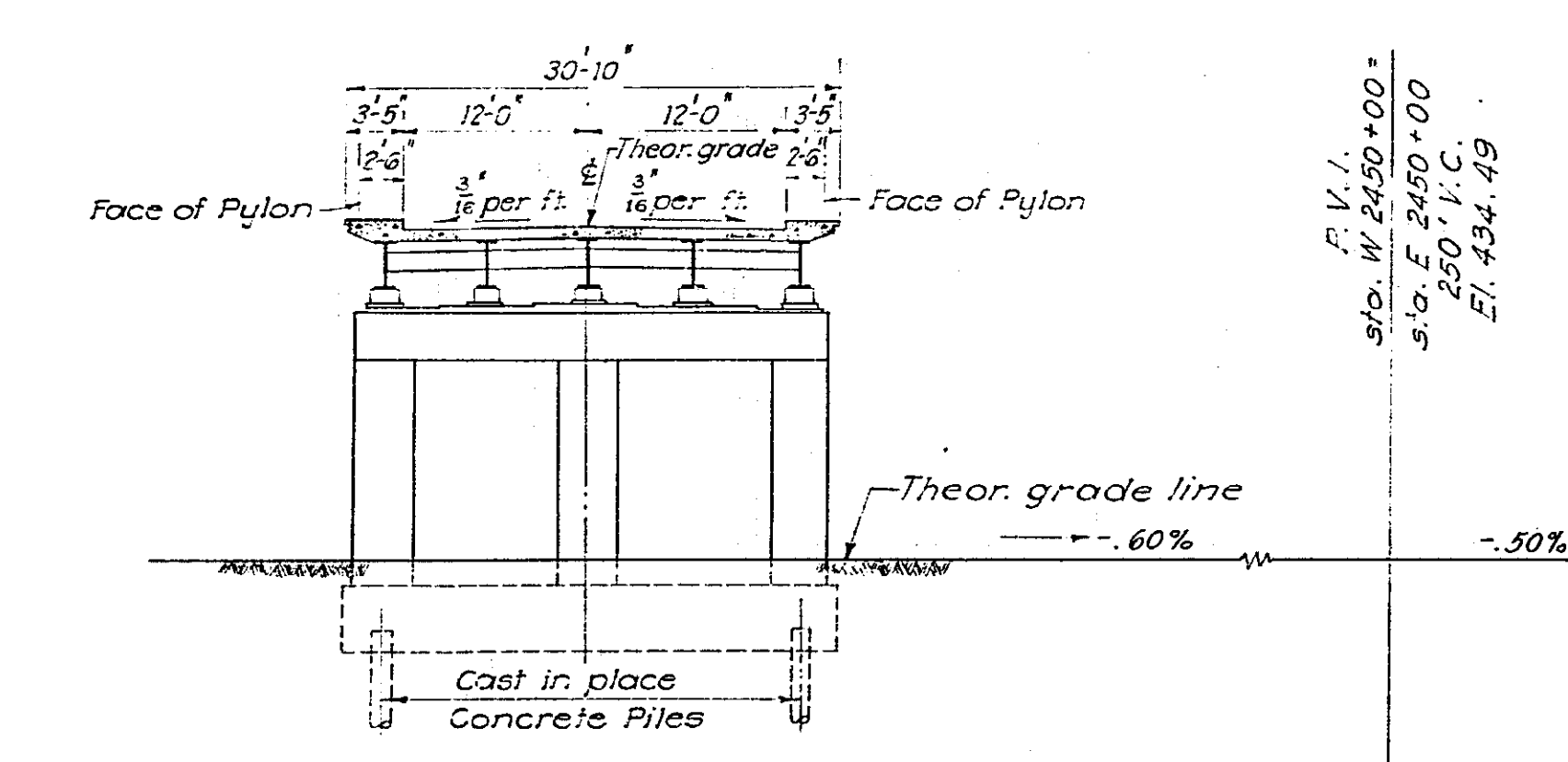
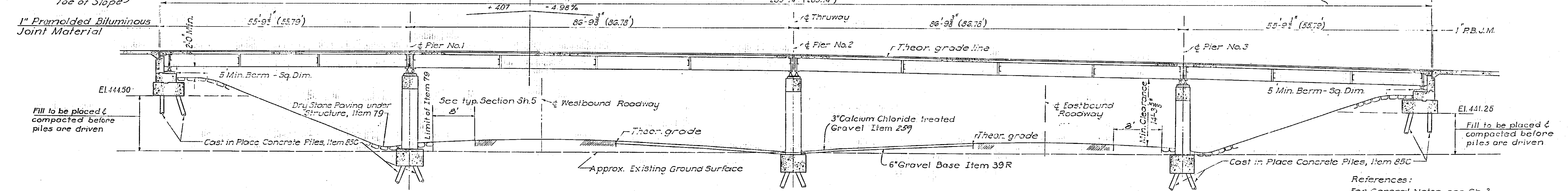
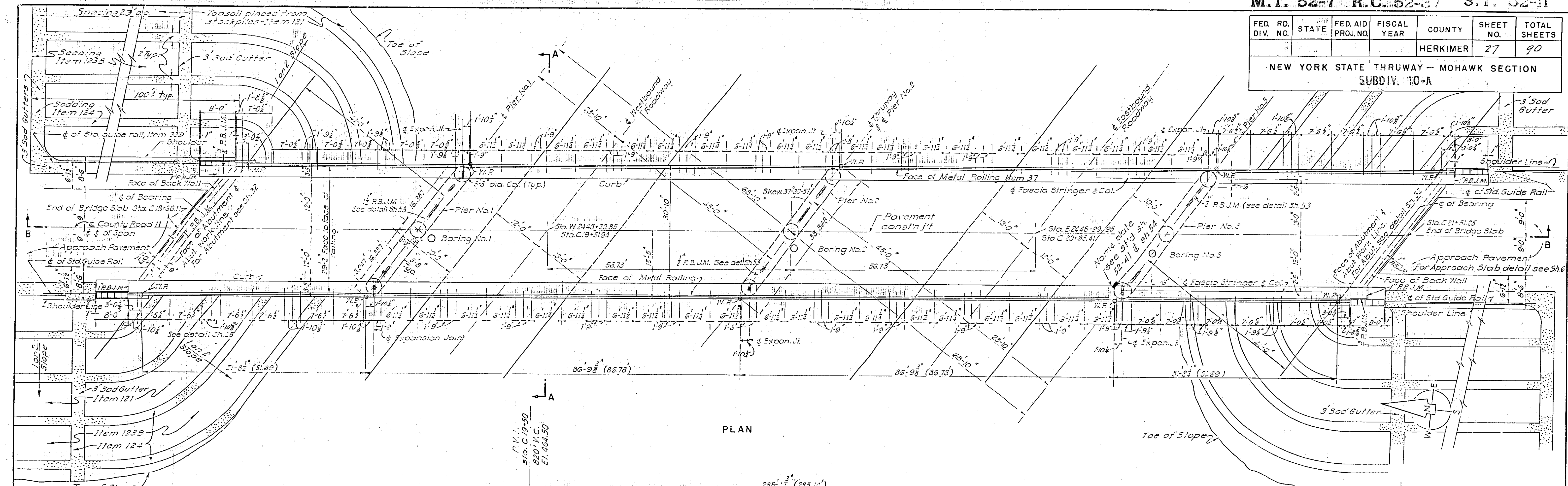
Francis L. Brown P.E. 13141

PREPARED AND RECOMMENDED:
Francis L. Brown, NYS P.E. LIC. NO. 13032 DATE 6-30-58
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

THRUWAY OVER STERLING CREEK			
STRUCTURE NO. 2			
WINGWALLS			
DWG. NO.	SCALE	DATE	ENGINEER
13-B-25	As Shown	4-1-52	FRANCIS L. BROWN HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
	HERKIMER				27	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



ESTIMATE OF QUANTITIES				
Item No.	Description	Unit	Neat	Rounded
5	Trench, Culvert & Bridge Excavation	C.Y.	175	200
15-2	Portland Cement, Type 2	Bbl.	1517	1620
15-N	Natural Cement, Type N	Bbl.	210	235
18	Class 1A Concrete for Structures	C.Y.	636	675
19	Class 1A Concrete for Railings	C.Y.	4	6
25 F	Steel Fabric Reinforcement	S.Y.	835	880
28	Bar Reinforcement for Structures	Lb.	129576	135000
28 B	Spiral Bar Shear Connectors	Lb.	2003	2100
29	Structural Steel	Lb.	353942	365000
37	Metal Railing	L.F.	561	570
47 B	Cement Concrete Pavement	C.Y.	85	90
79	Dry Stone Paving	S.Y.	413	450
83 C	Cast-in-Place Concrete Piles	L.F.	6690	7400
87	Furn. Eqp. for Driving Piles	L.F.	Nec.	Nec.
121	Topsoil Placed from Stockpiles	C.Y.	304	310
123 B	Seeding on prepared Areas	Acre	0.71	0.71
124	Sodding	S.Y.	796	800

References:
For General Notes see Sh. 3
For 5' Guide Rail Item 33D see Std. Sheets.
For payment lines for Items 2B, 5 & 119, see Sh. 88
Details of Sodding to be as shown on Std. Sh. 50-34, except as otherwise shown on this plan.

In charge of *W. L. Brown*
Made by *J. F. Schlow*
Traced by *S. A. G.*
Checked by *R. W. Little*

Francis L. Brown P.E. 13144

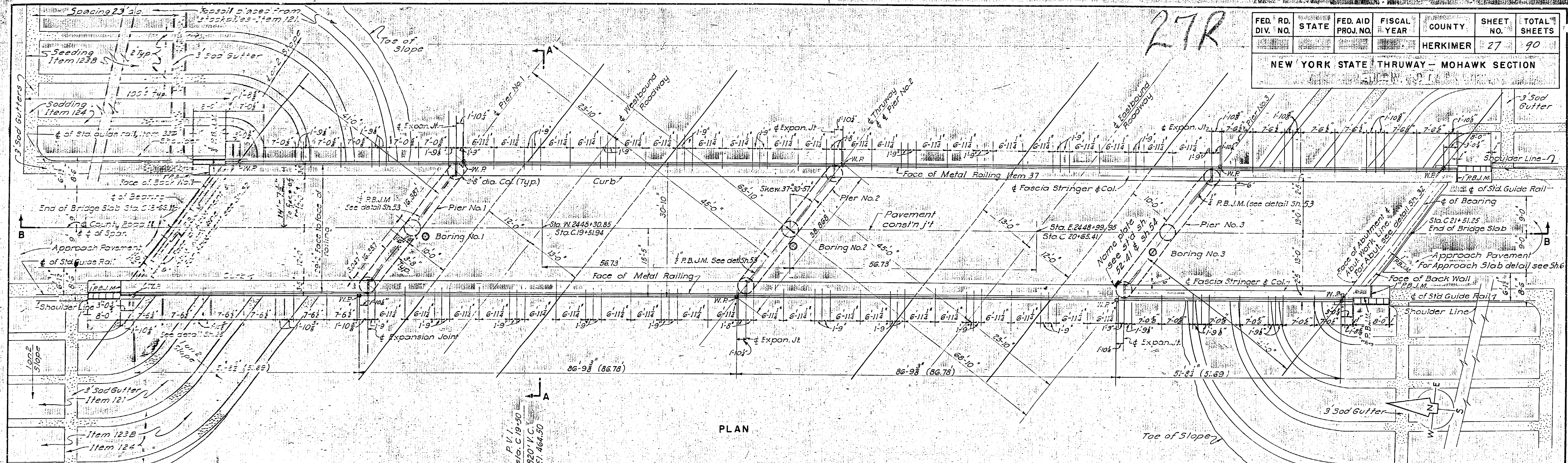
PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S. P.E. LIC. NO. 13023 DATE 6-30-38
FRANCIS L. BROWN HAROLD A. BLAUVELT CONSULTING ENGINEERS

COUNTY ROAD NO. 11 OVER THRUWAY STRUCTURE NO. 3 PLAN & SECTIONS			
DWG. NO. 13B-26	SCALE 1" = 1'-0"	DATE 4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

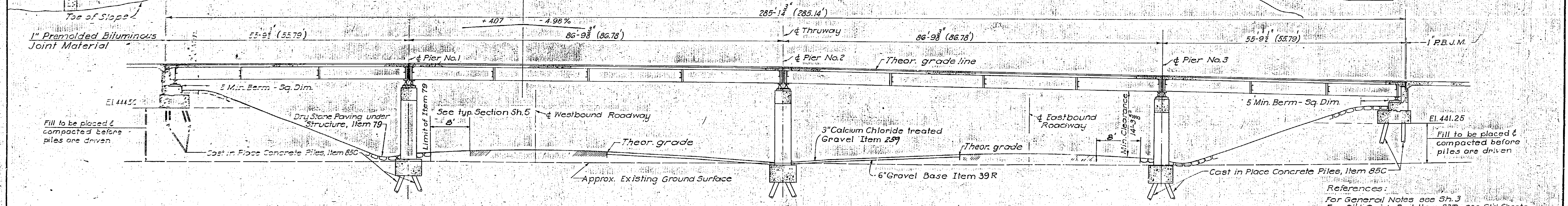
27R

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
	NEW YORK			HERKIMER	27	90

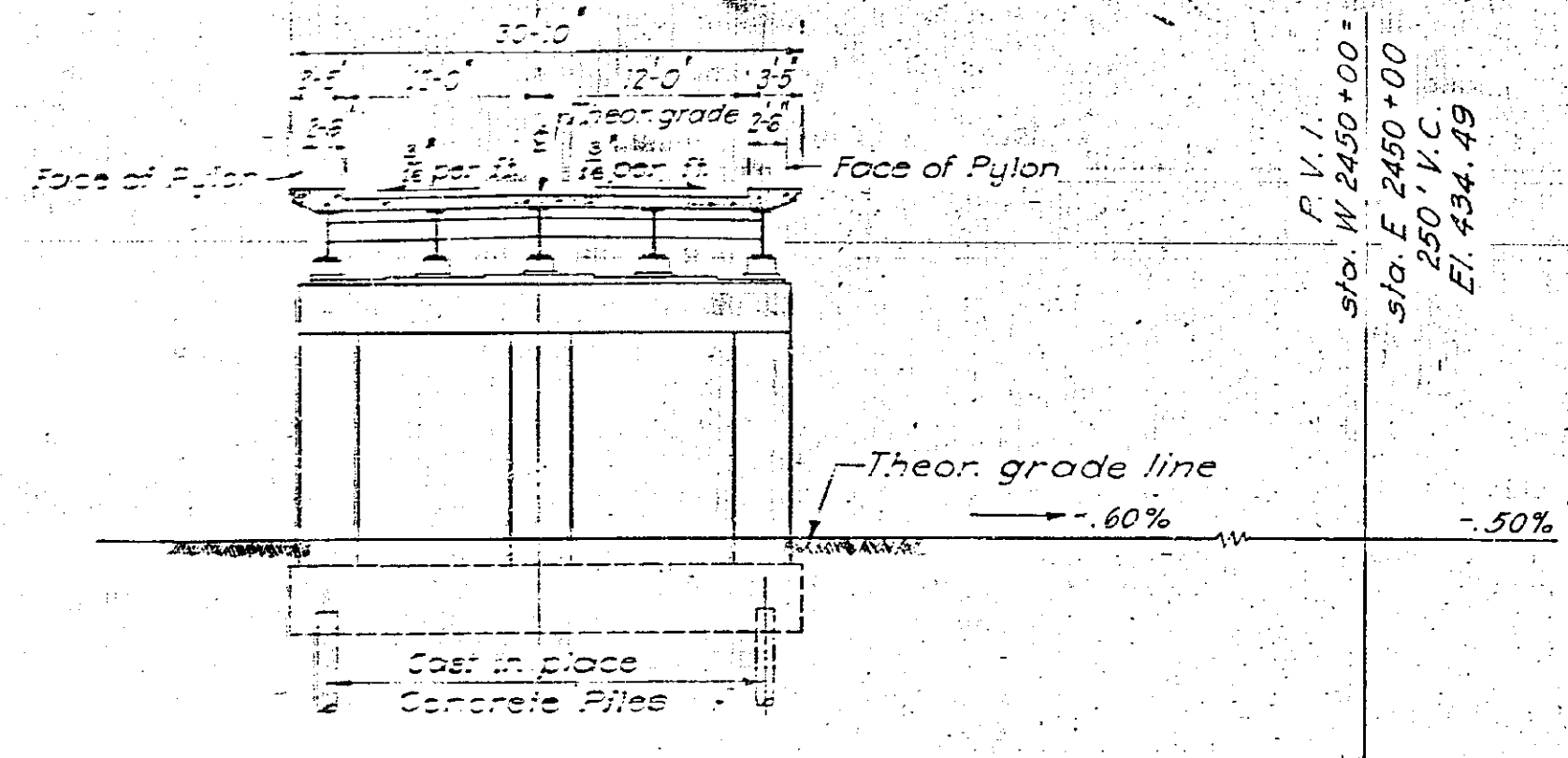
NEW YORK STATE THRUWAY - MOHAWK SECTION



PLAN



SECTION B-B



SECTION A-A

ESTIMATE OF QUANTITIES				
Item No.	Description	Unit	Net	Total
5	Trench, Culvert & Bridge Excavation	C.Y.	175	175.0
15-2	Portland Cement, Type 2	Bbl.	1517	1517.0
15-N	Natural Cement, Type N	Bbl.	210	210.0
18	Class 1A Concrete for Structures	C.Y.	636	636.0
19	Class 1A Concrete for Railings	C.Y.	14	14.0
25 F	Steel Fabric Reinforcement	S.Y.	835	835.0
26	Bar Reinforcement for Structures	Lb.	129,570	129,570.0
28 B	Spiral Bar Shear Connectors	Lb.	2,003	2,003.0
29	Structural Steel	Lb.	35,394	35,394.0
37	Metal Railing	L.F.	561	561.0
47 B	Cement Concrete Pavement	C.Y.	185	185.0
79	Dry Stone Paving	S.Y.	413	413.0
85 C	Cast-in-Place Concrete Piles	L.F.	6,690	6,690.0
87	Furn. Eqp. for Driving Piles	L.F.	Nec.	Nec.
121	Topsoil Placed from Sloppiles	C.Y.	304	304.0
123 B	Seeding on prepared Areas	Acre	0.71	0.71
124	Sodding	S.Y.	796	796.0

References:
For General Notes see Sh. 3
For Std Guide Rail Item 33D see Std Sheets
For payment lines for Items 28, 5 & 119 see Sh. 88
Details of Sodding to be as shown on Std. Sh. 50-54, except as otherwise shown on this plan.

Built as per plan
except as noted

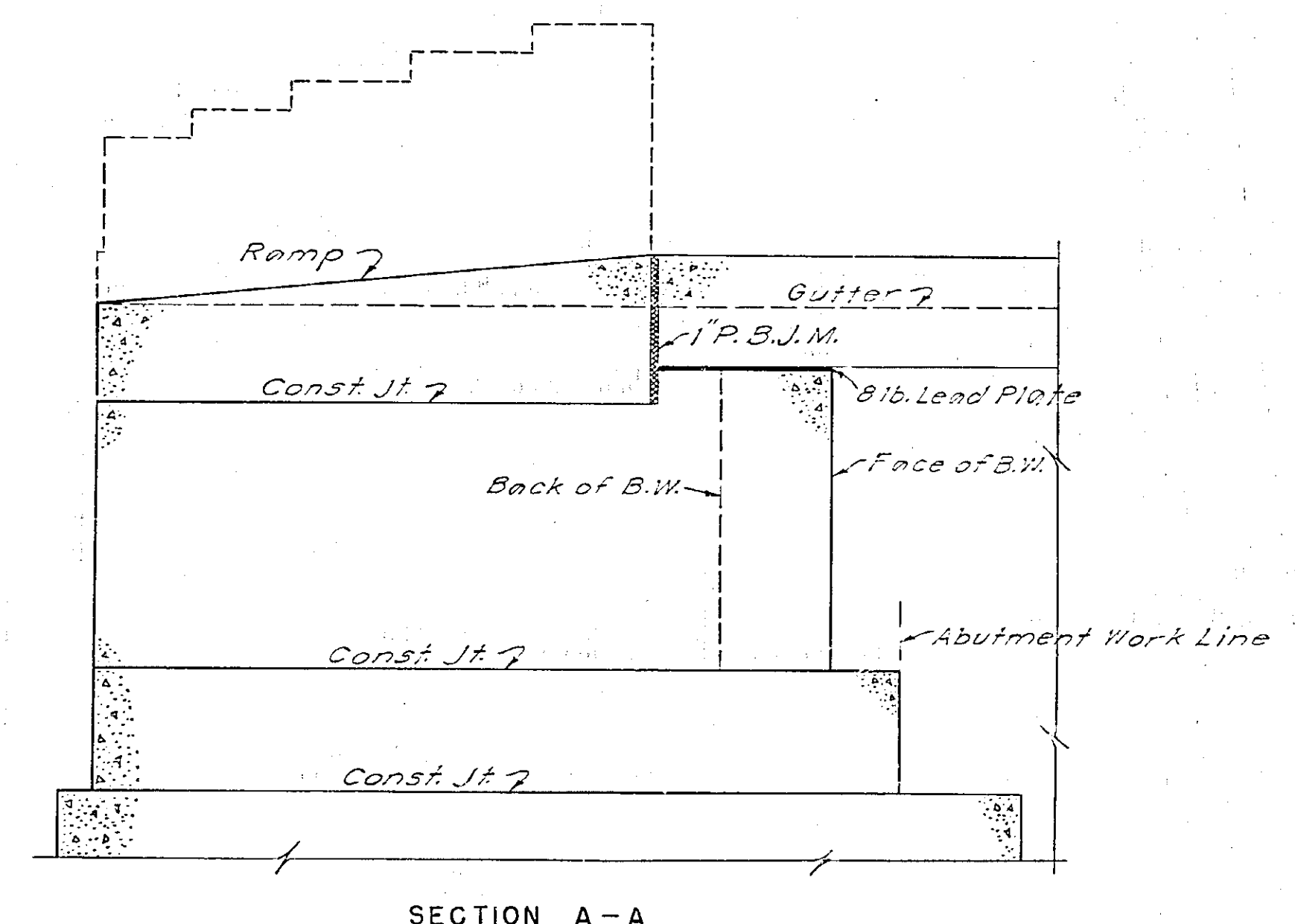
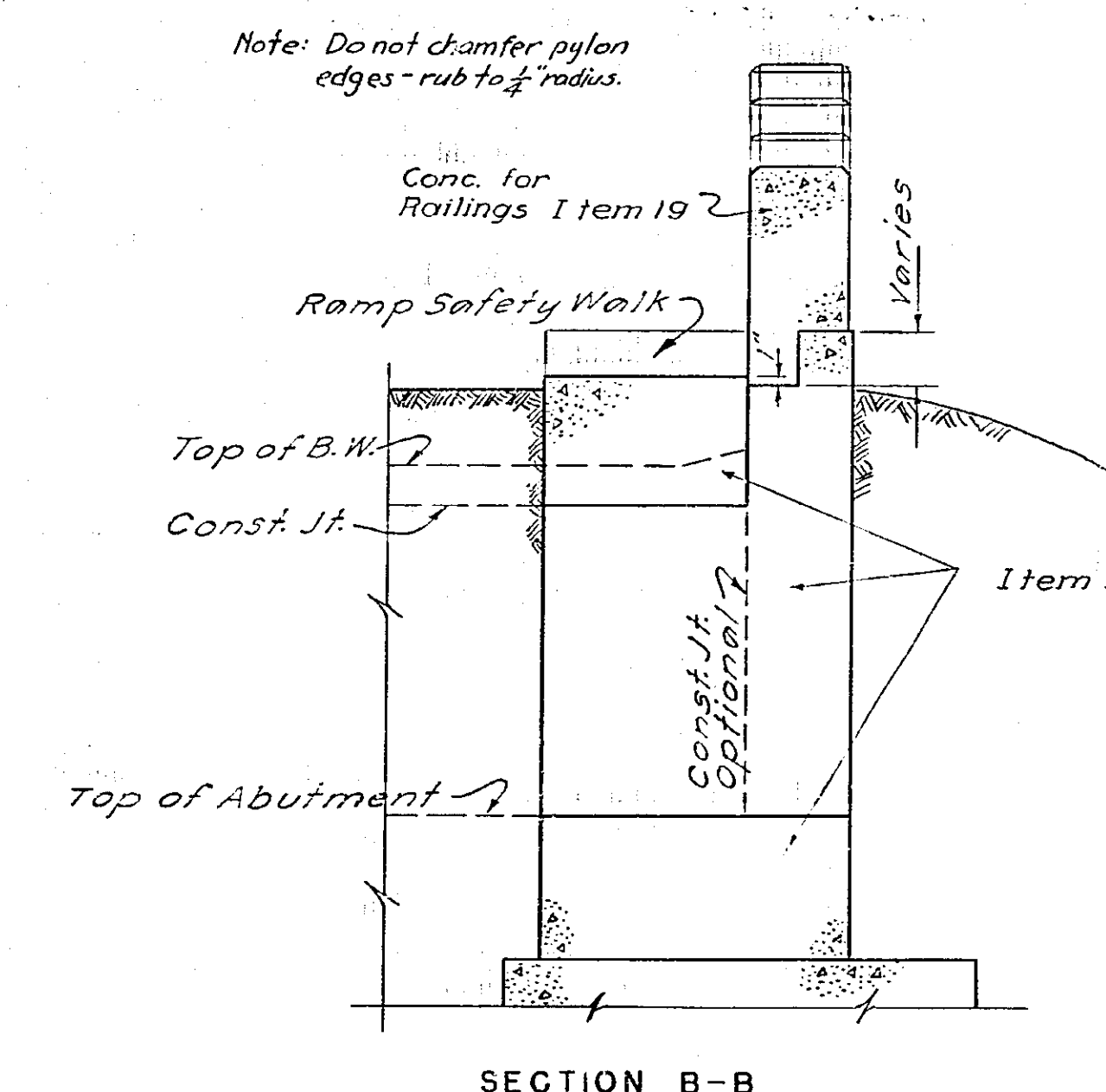
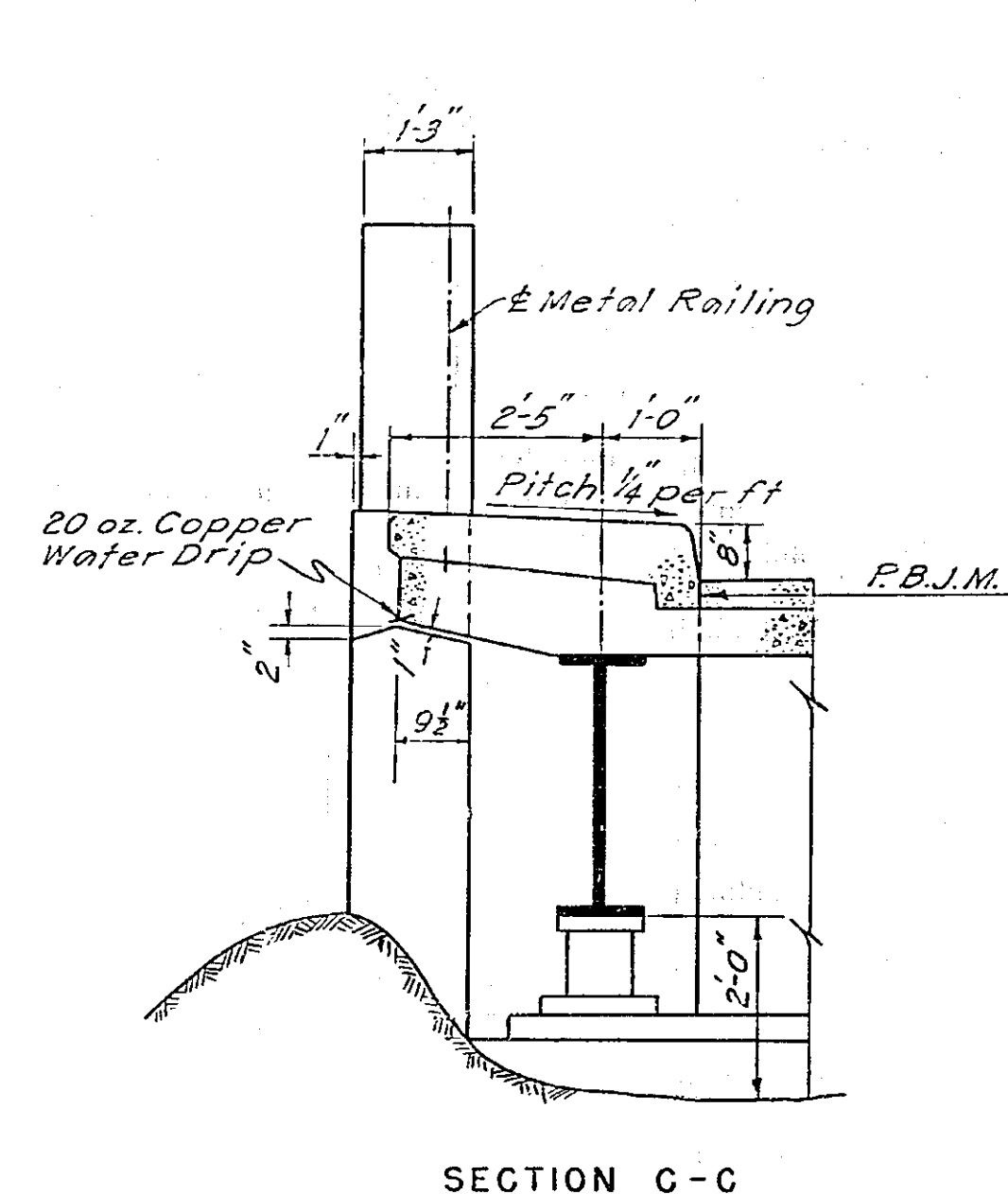
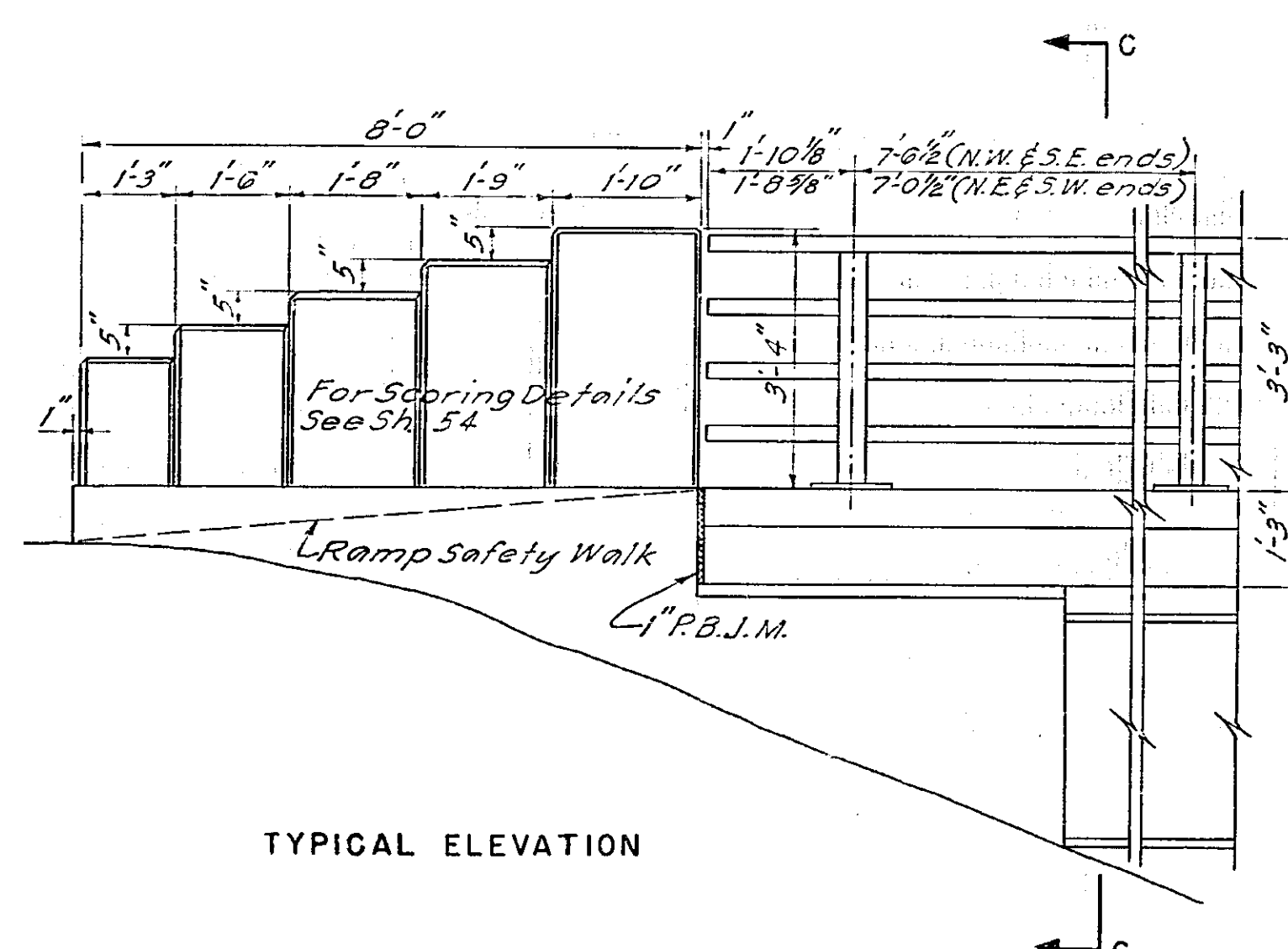
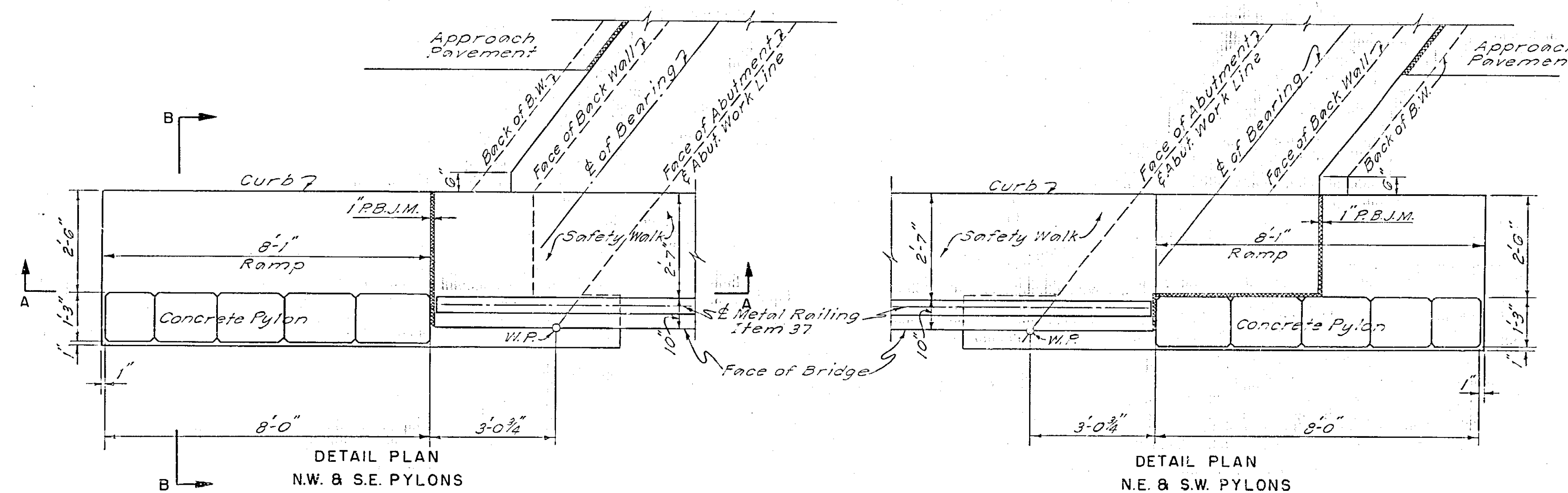
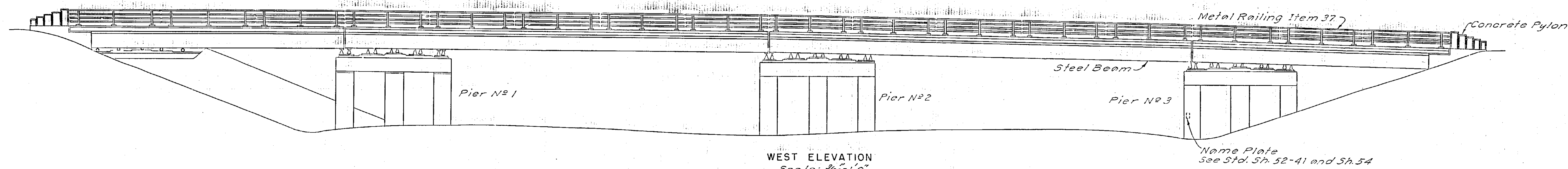
In charge of *W. L. Brown*
Made by *W. L. Brown*
Traced by *W. L. Brown*
Checked by *W. L. Brown*

Francis L. Brown, P.E. 13144

PREPARED AND RECOMMENDED:
Francis L. Brown, N.Y.S.P.E. Lic. No. 13023, DATE 6-30-52
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

COUNTY ROAD NO. 11 OVER THRUWAY STRUCTURE NO. 3 PLAN & SECTIONS			
DWG. NO.	SCALE	DATE	ENGINEER
133-26	3/32" = 1'-0"	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	28	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						

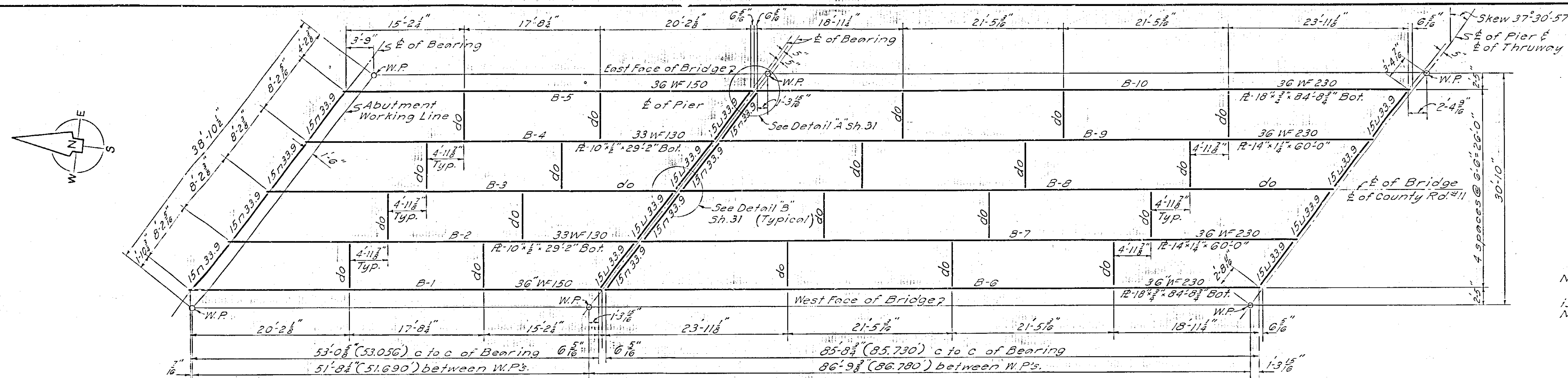


In charge of *W. B. Sullivan*
Made by *W. B. Sullivan*
Traced by *R. P. S.*
Checked by *S. R. Taylor*

Francis L. Brown P.E. 13144

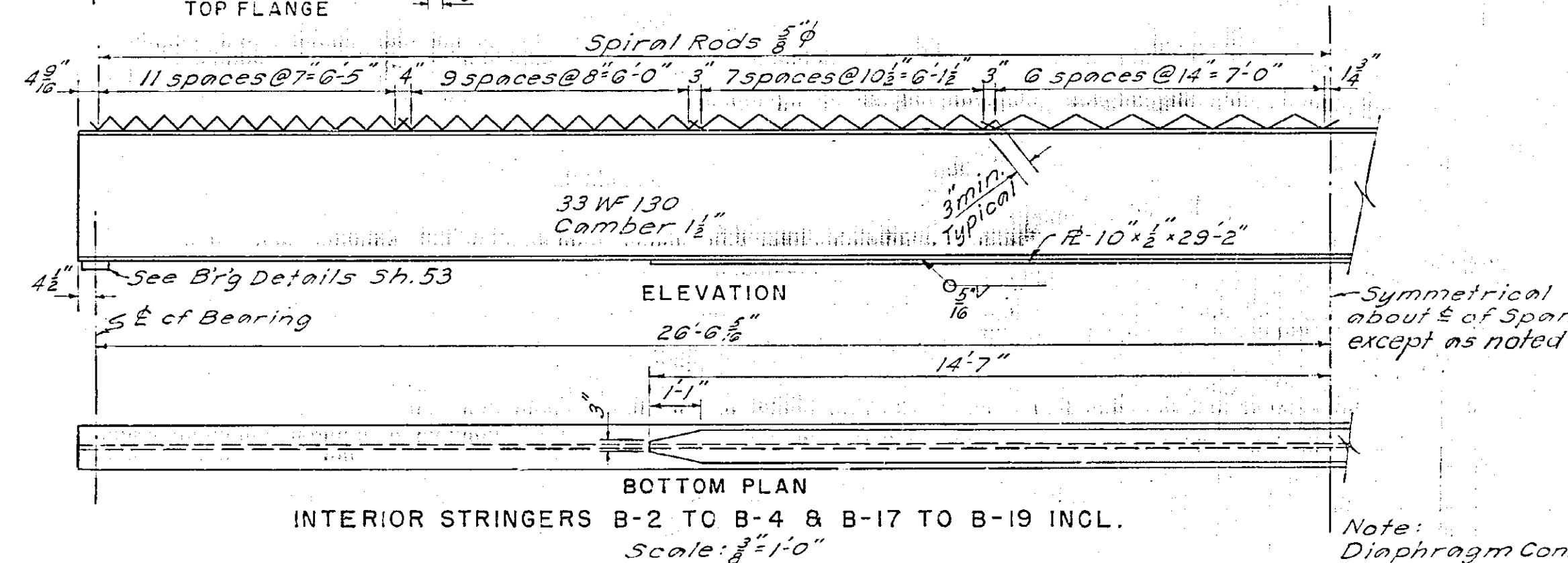
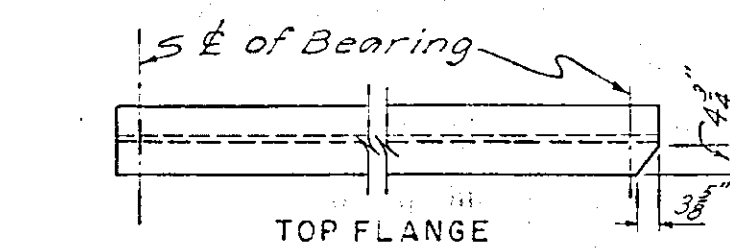
PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

COUNTY ROAD NO. 11 OVER THRUWAY STRUCTURE NO. 3 ARCHITECTURAL ELEVATIONS & DETAILS			
DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A.
13 B-27	1/2"=1'-0" & as shown	4-1-52	BROWN - BLAUVELT CONSULTING ENGINEERS

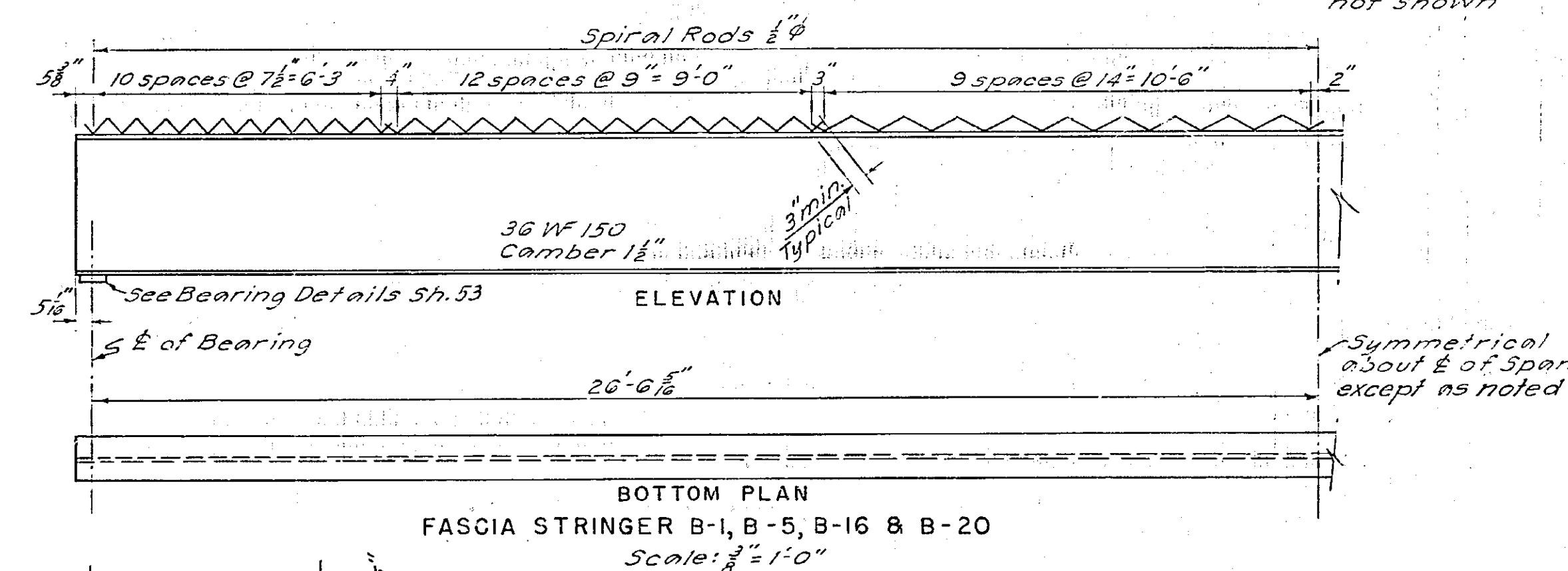
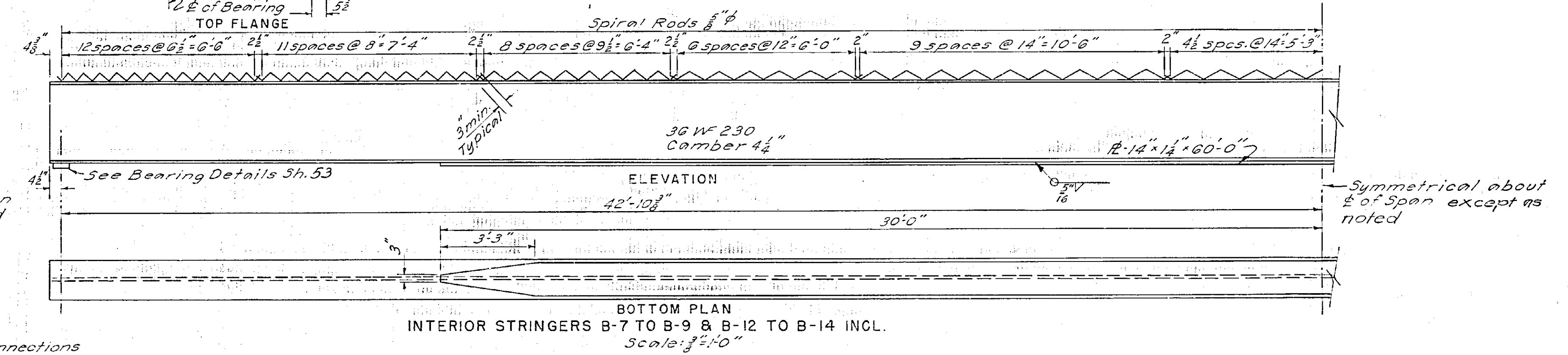
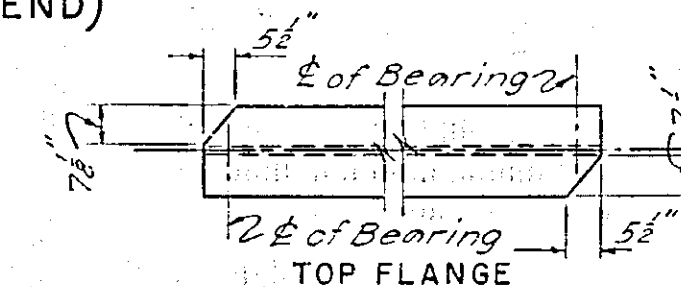


Note:
Where steel exceeding one inch
is to be welded, Electrodes of Classification
No. E6015 or E6016 shall be used.

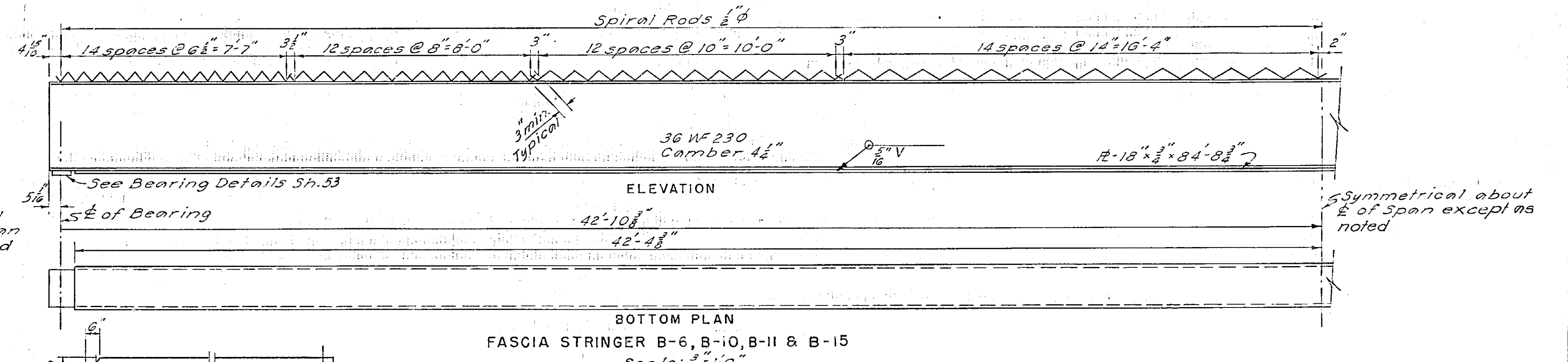
PARTIAL FRAMING PLAN (NORTH END)
Scale: $\frac{1}{8}'' = 1'-0''$



Note:
Diaphragm Connections
not shown



Symmetrical
about $\frac{L}{2}$ of Span
except as noted

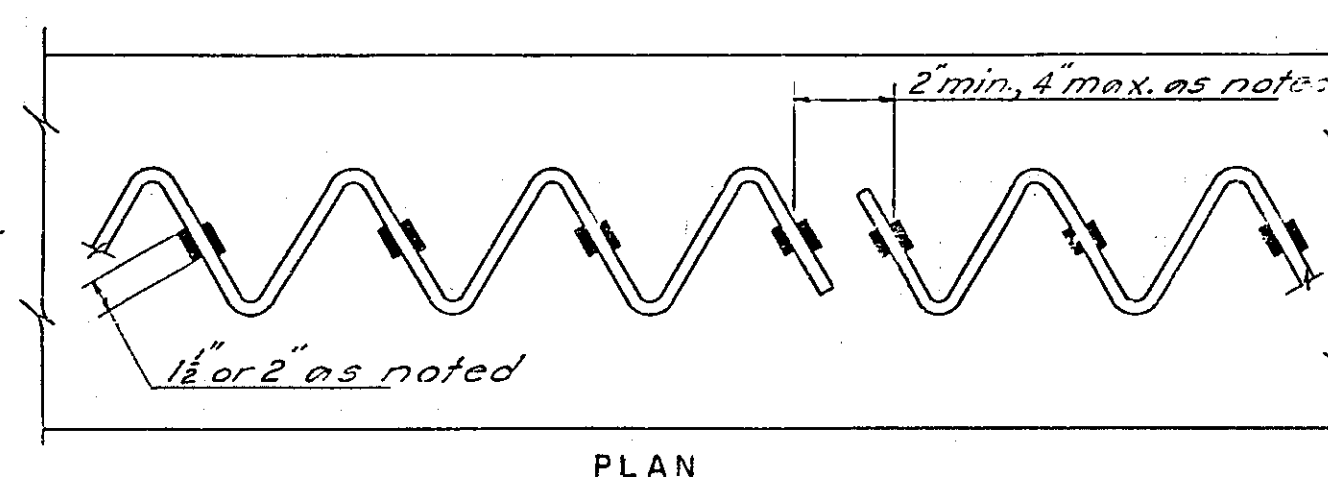


References:
For General Notes, see Sh. 3
For Bearing Details, see Sh. 53
For Typical Cross Sections, see Sh. 30

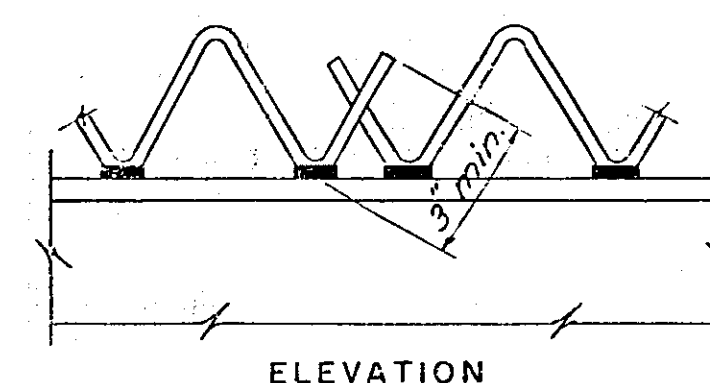
Cut top flange
as shown.
Stringers B5
& B16 only.

Note:
For $\frac{5}{8}$ " ϕ Spiral Rods, use $\frac{5}{16}$ "
Structural Welds, 2" long, both sides.
For $\frac{1}{2}$ " ϕ Spiral Rods, use $\frac{1}{8}$ "
Structural Welds, 1 $\frac{1}{2}$ " long, both sides.

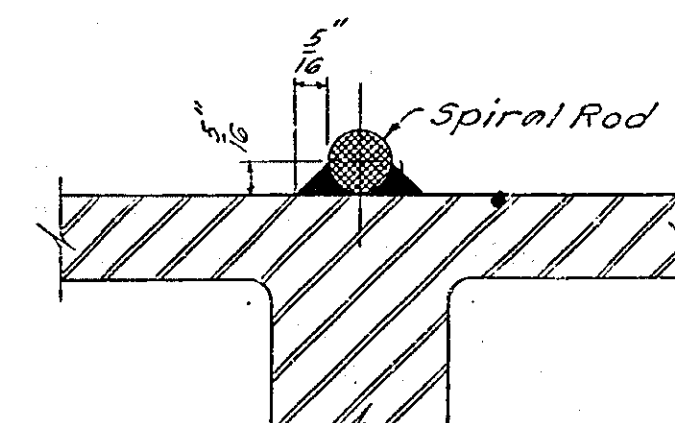
In charge of Nat Rana
Made by ...
Traced by R.P.S.
Checked by ...



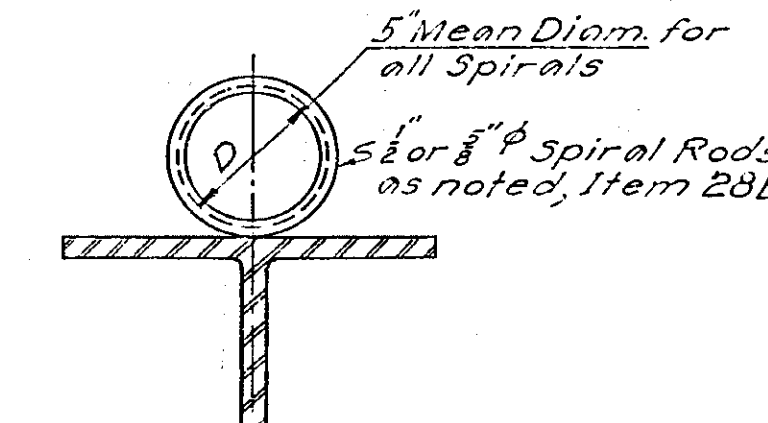
PLAN



ELEVATION



SPIRAL DETAILS *Francis L. Brown P.E. 13/44*
Not to Scale



PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-36
 FRANCIS L. BROWN, HAROLD A. BLAUVELT CONSULTING ENGINEERS

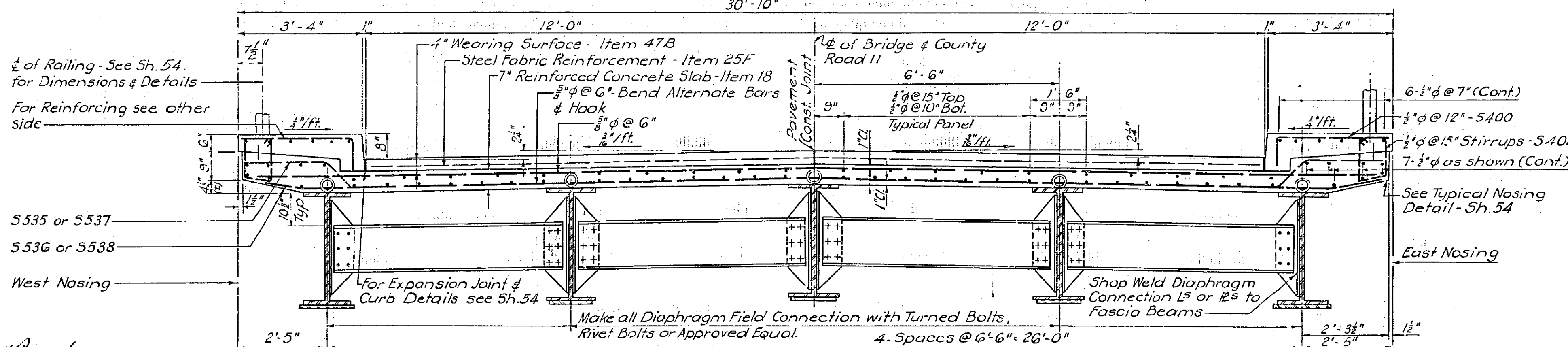
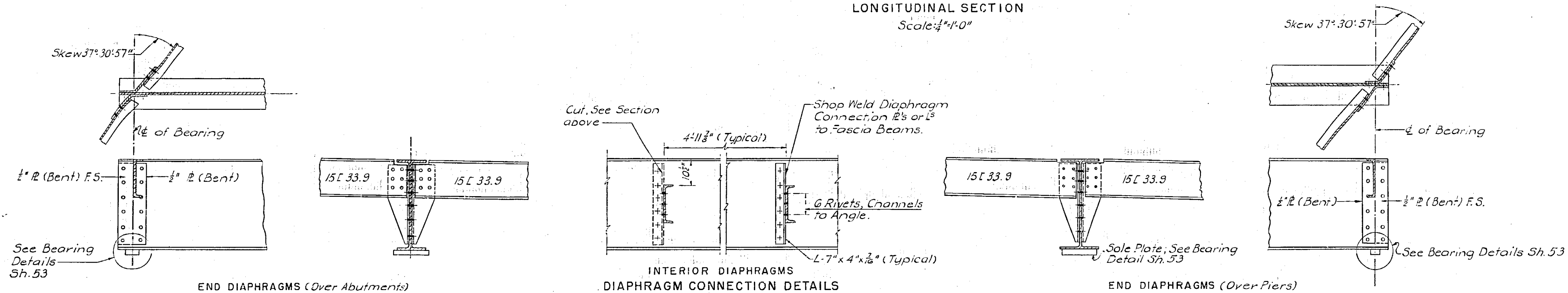
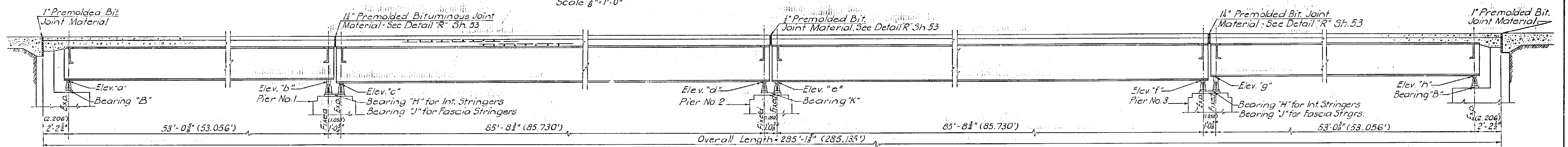
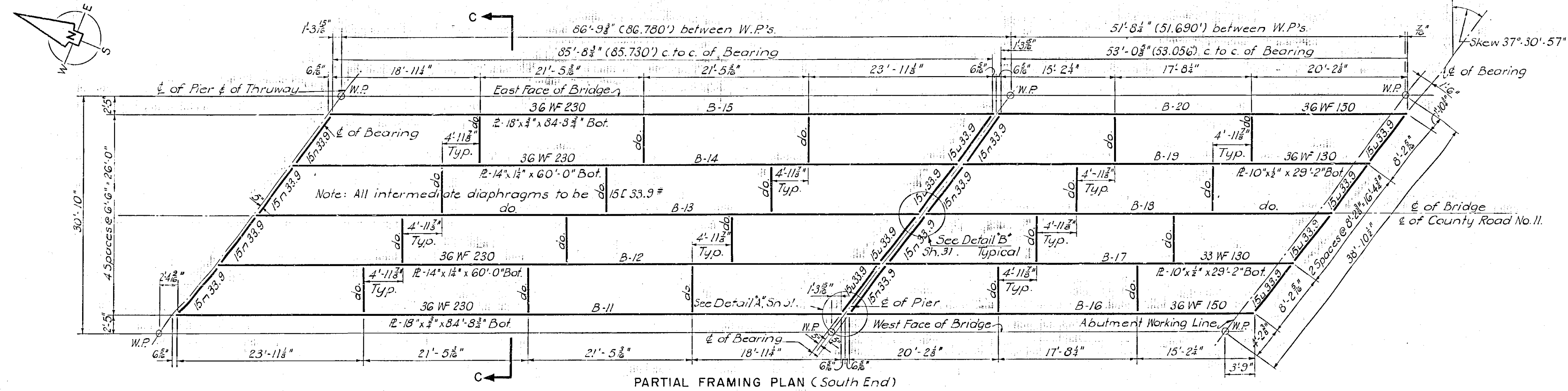
COUNTY ROAD NO.11 OVER THRUWAY
STRUCTURE NO.3
FRAMING PLAN - NORTH END

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - CONSULTING ENGINEERS	HAROLD A. BLAUVELT ENGINEERS
13B-29	As Shown	4-1-52		

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	30	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						

TABLE OF ELEVATION OF BOTTOM FLANGES AT INTERSECTION WITH ϵ OF BEARINGS

MEMBER	ELEV. "a"	ELEV. "b"	MEMBER	ELEV. "c"	ELEV. "d"
B-1	451.07	451.21	B-6	451.19	450.75
B-2	451.41	451.52	B-7	451.28	450.79
B-3	451.55	451.63	B-8	451.39	450.86
B-4	451.46	451.51	B-9	451.27	450.69
B-5	451.16	451.18	B-10	451.16	450.54
MEMBER	ELEV. "e"	ELEV. "f"	MEMBER	ELEV. "g"	ELEV. "h"
B-11	450.74	449.49	B-16	449.49	448.31
B-12	450.78	449.49	B-17	449.71	448.49
B-13	450.84	449.50	B-18	449.71	448.48
B-14	450.67	449.23	B-19	449.50	448.23
B-15	450.53	449.09	B-20	449.08	447.78



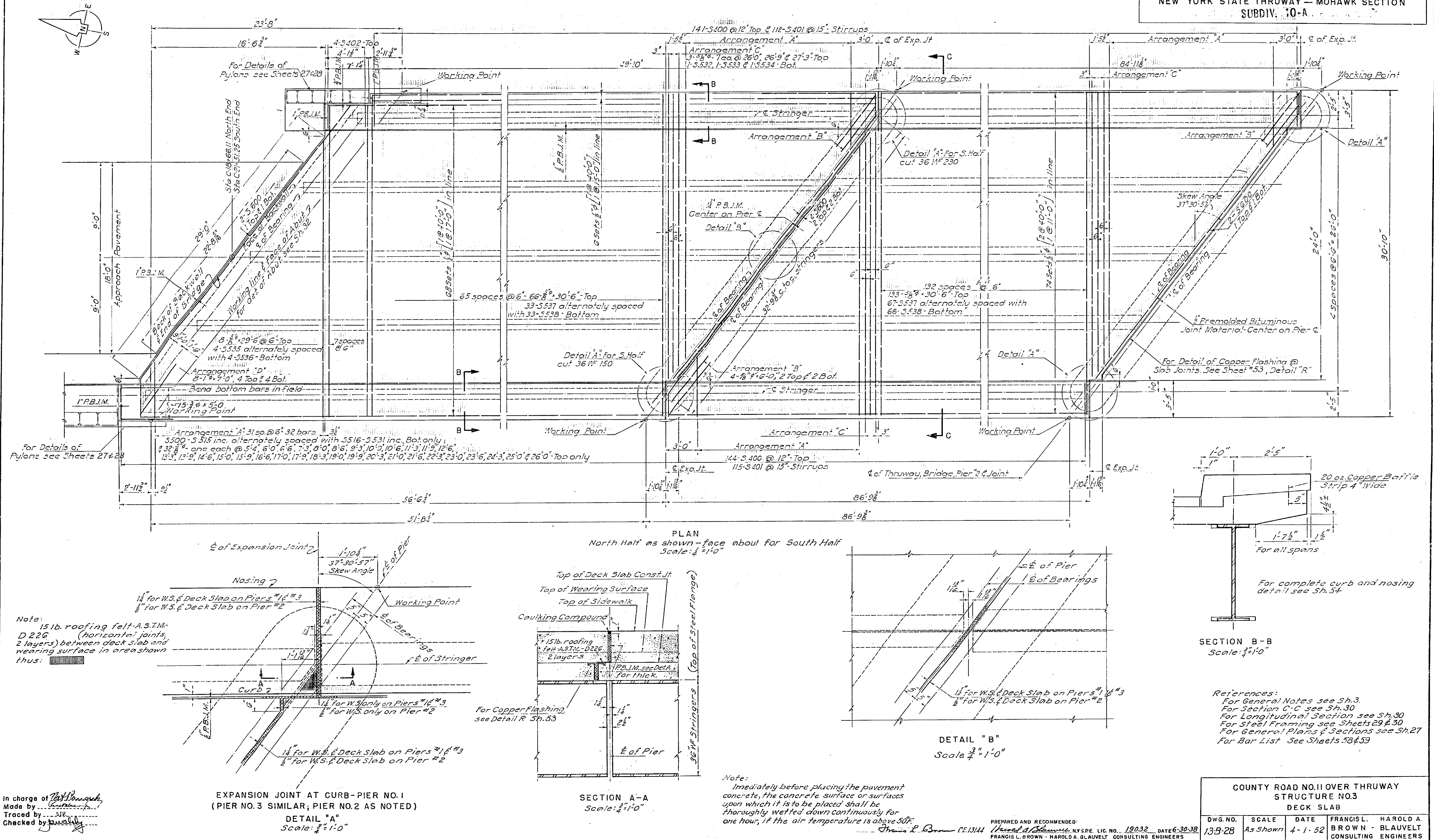
References:
 For General Notes see Sh. 3
 For North End Steel Framing & Details, see Sh. 29.
 For Details "A" & "B" & Slab Deck, see Sh. 31.
 For General Plan & Sections, see Sh. 27.
 For Bearing Details, see Sh. 53.

COUNTY ROAD NO. 11 OVER THRUWAY
STRUCTURE NO. 3
FRAMING PLAN - SOUTH END

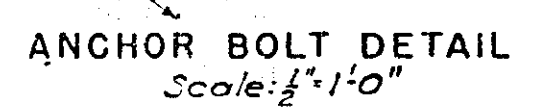
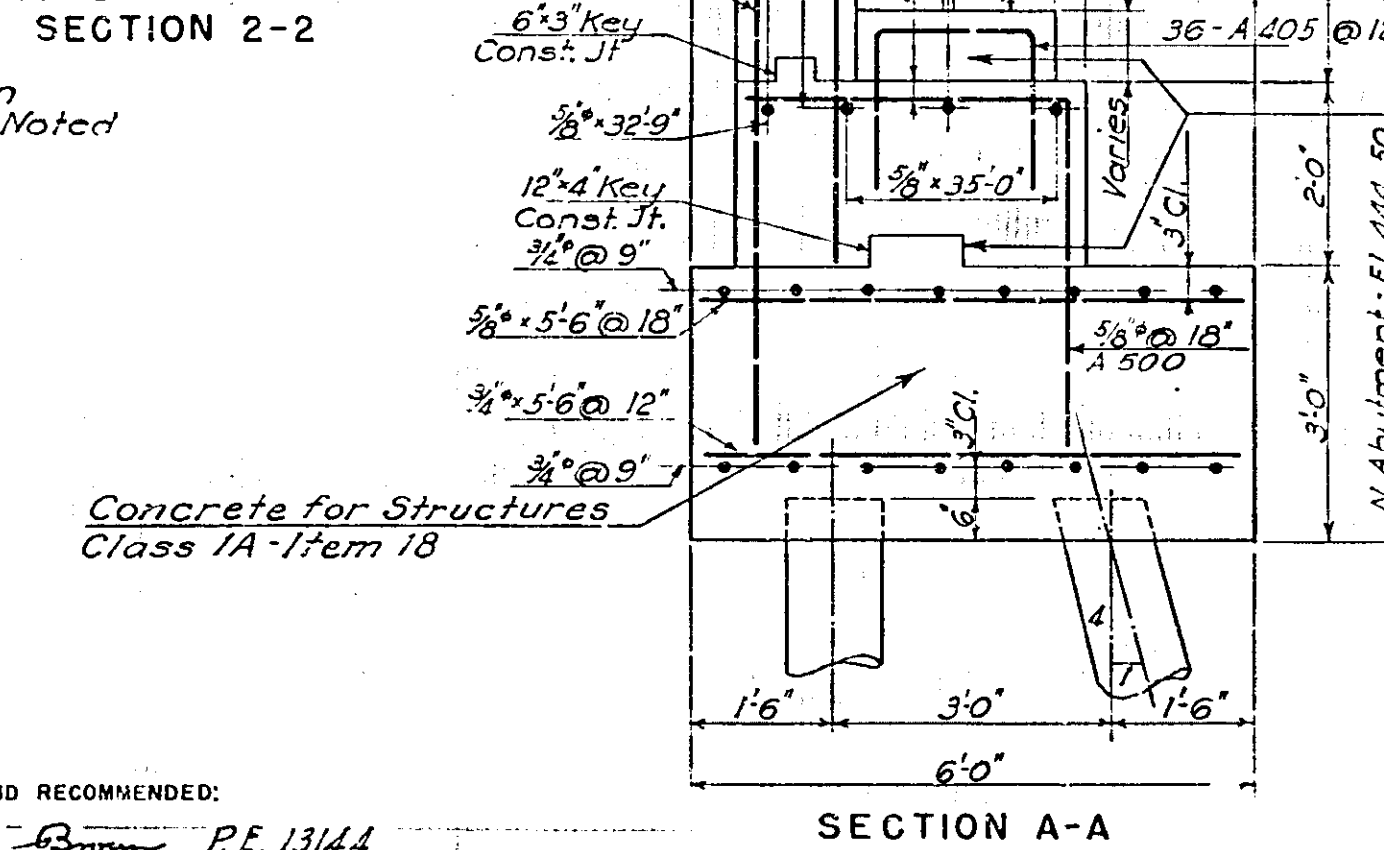
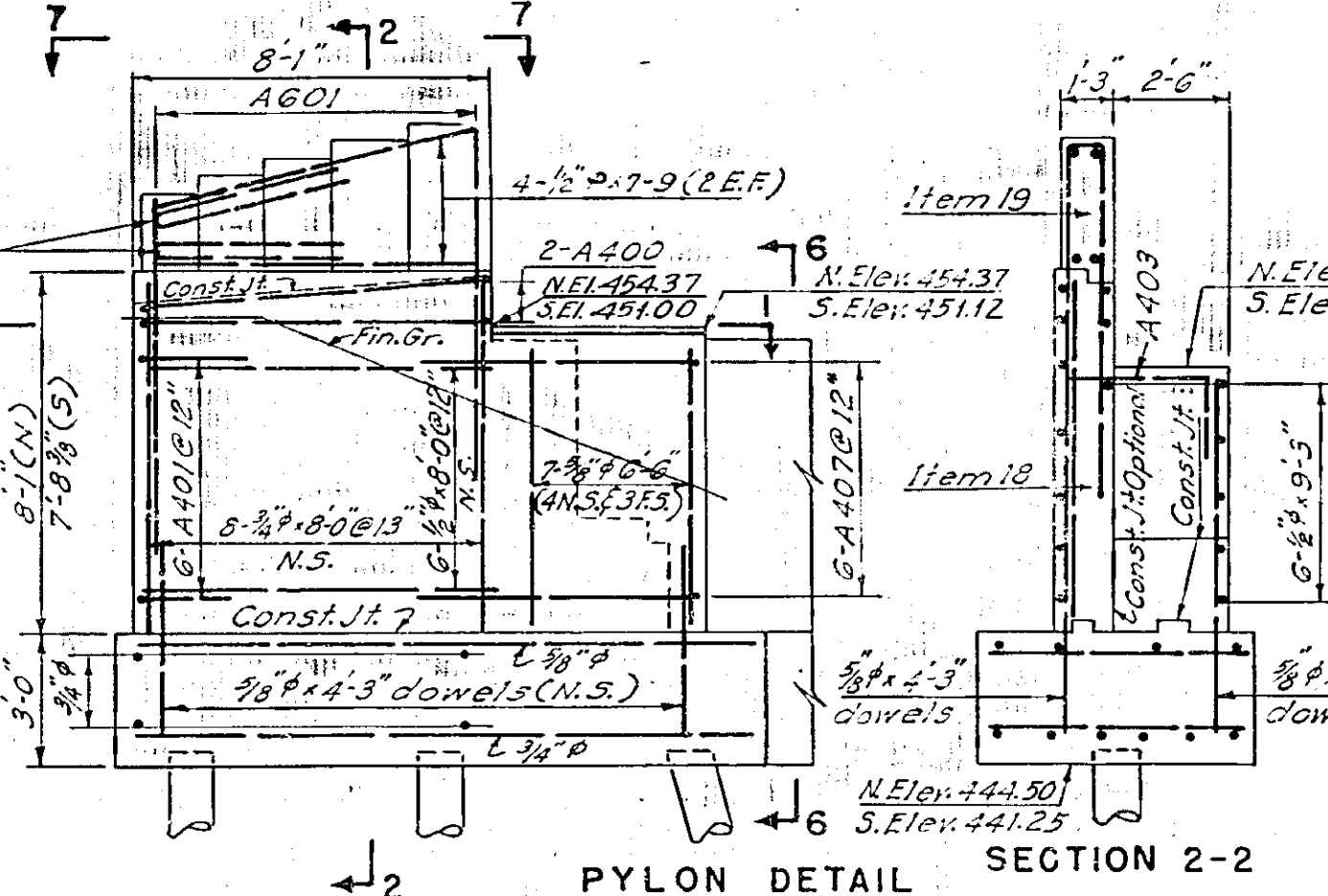
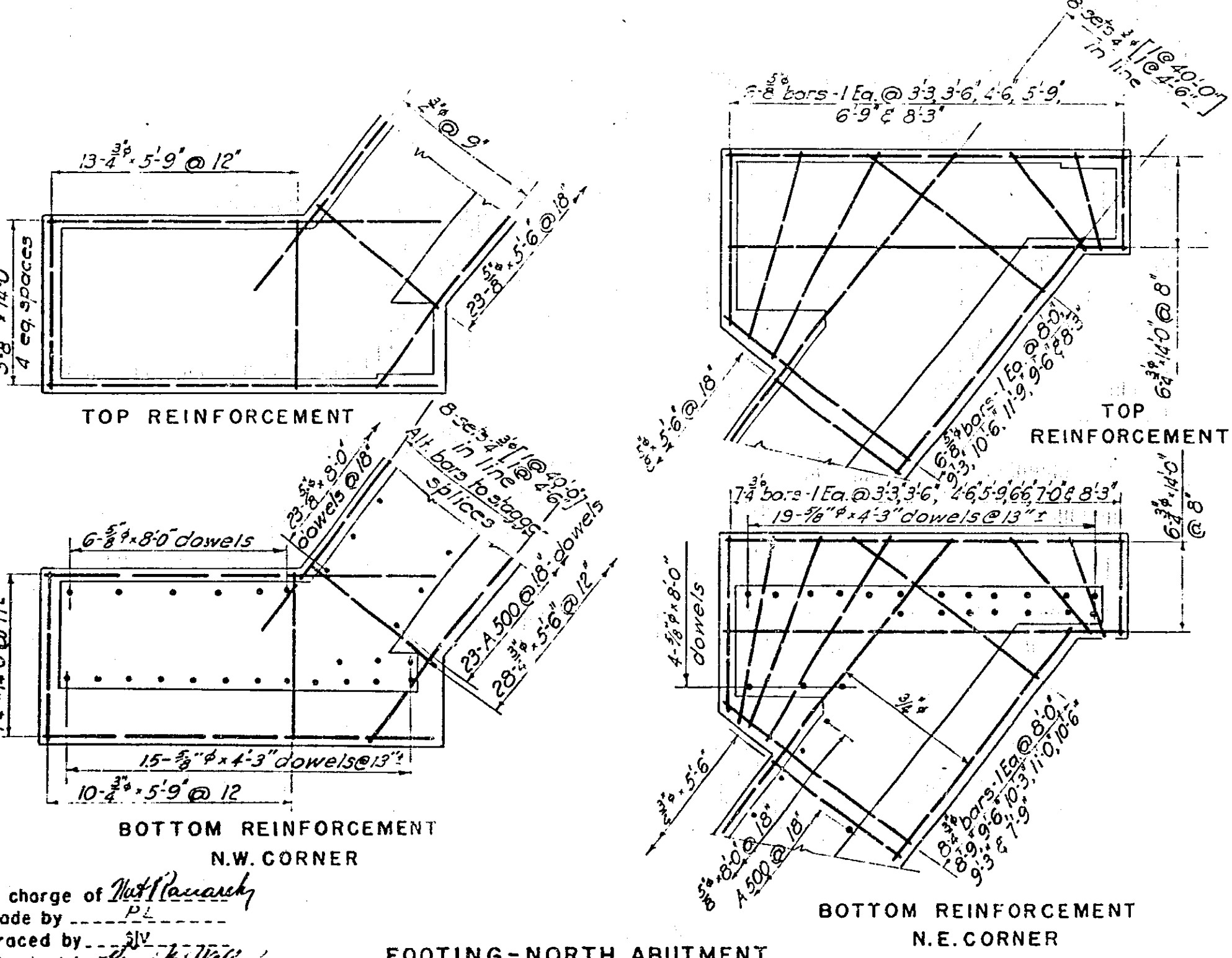
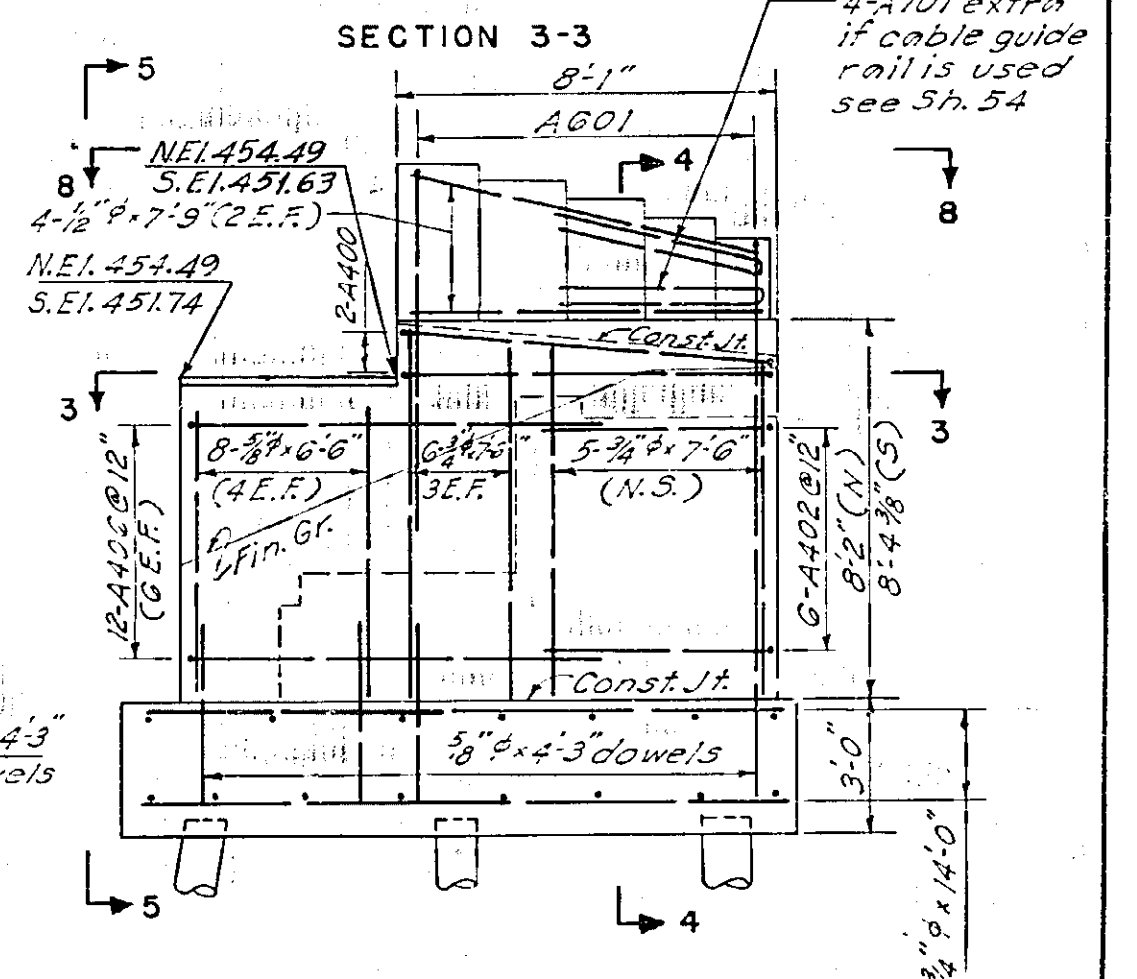
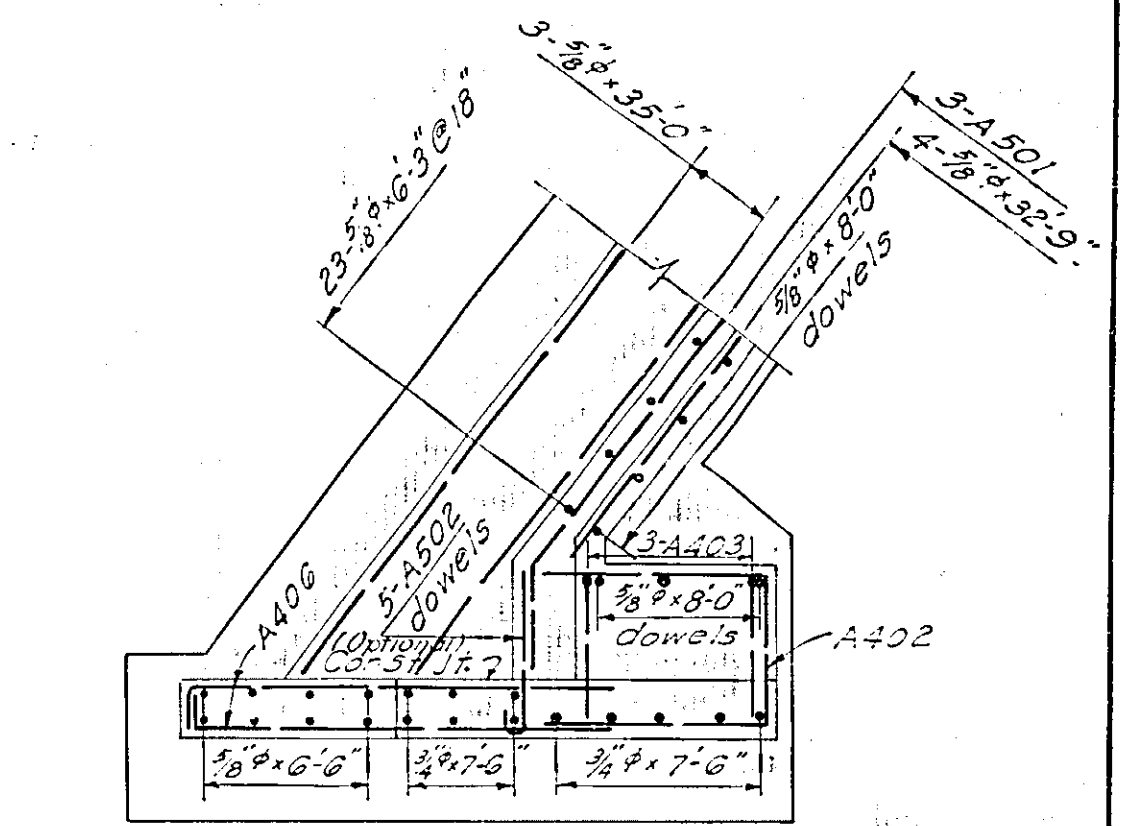
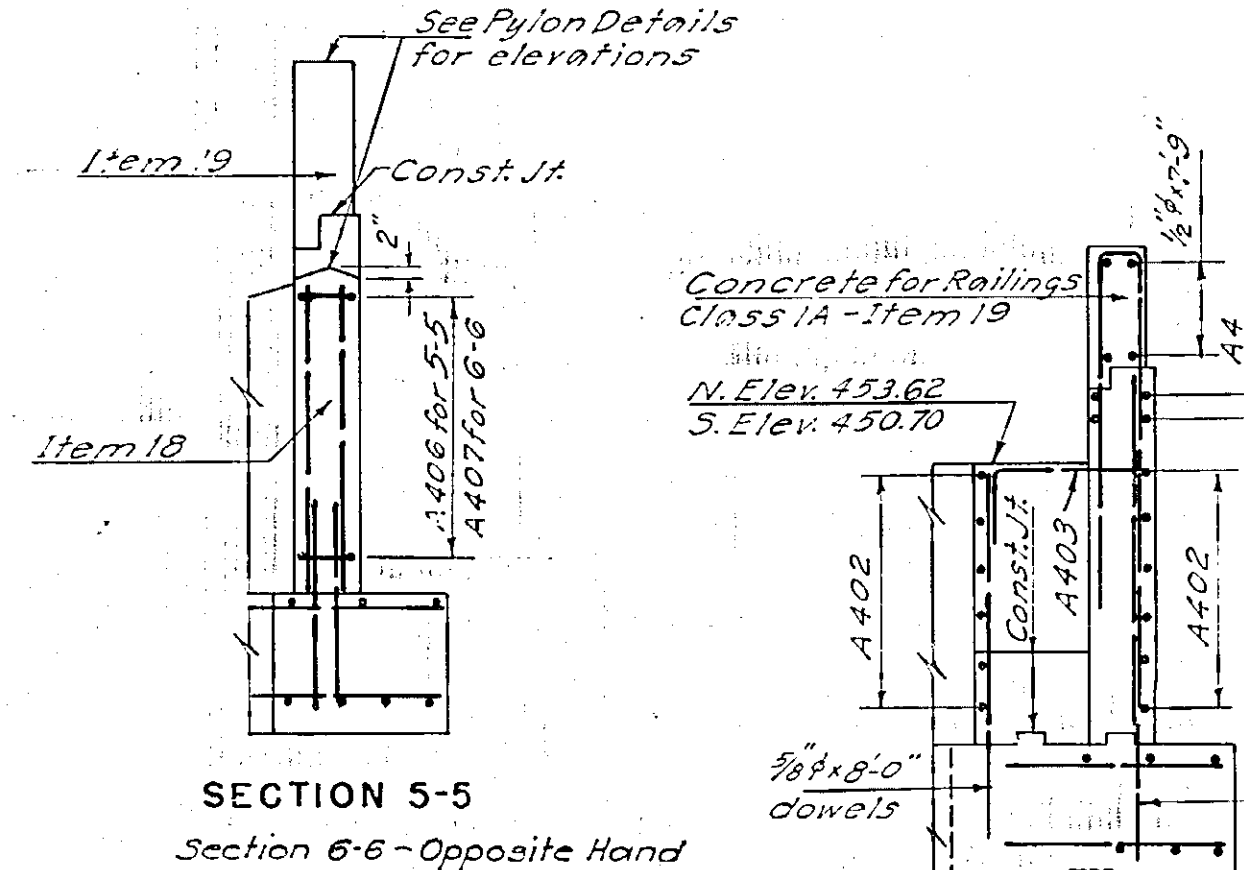
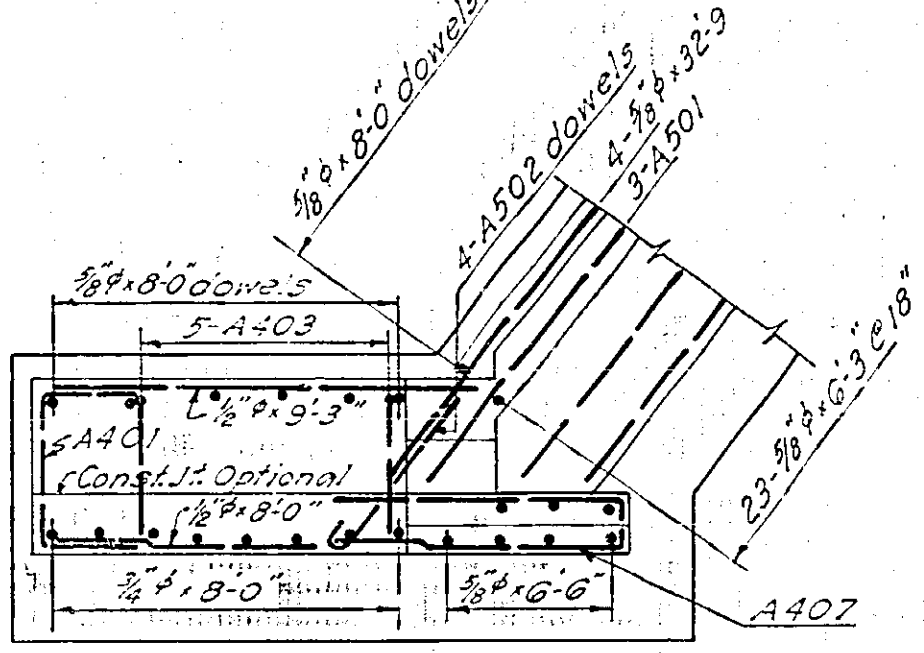
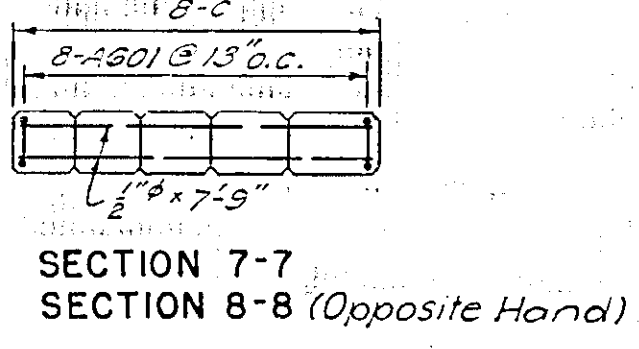
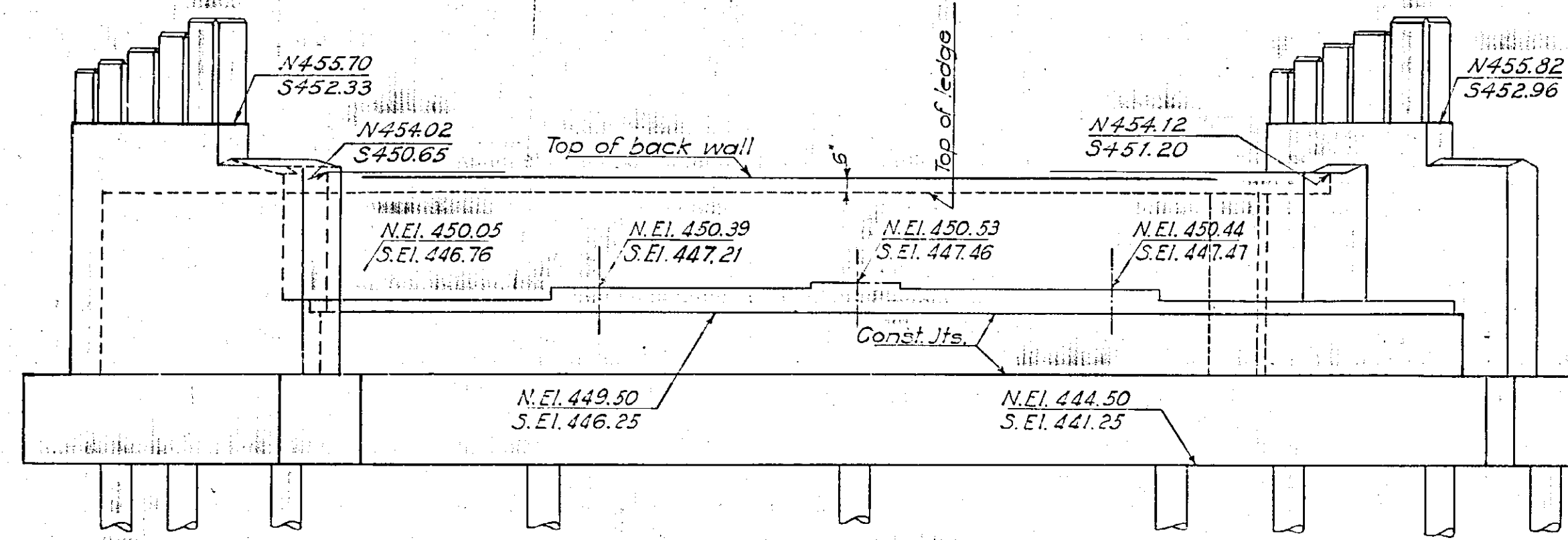
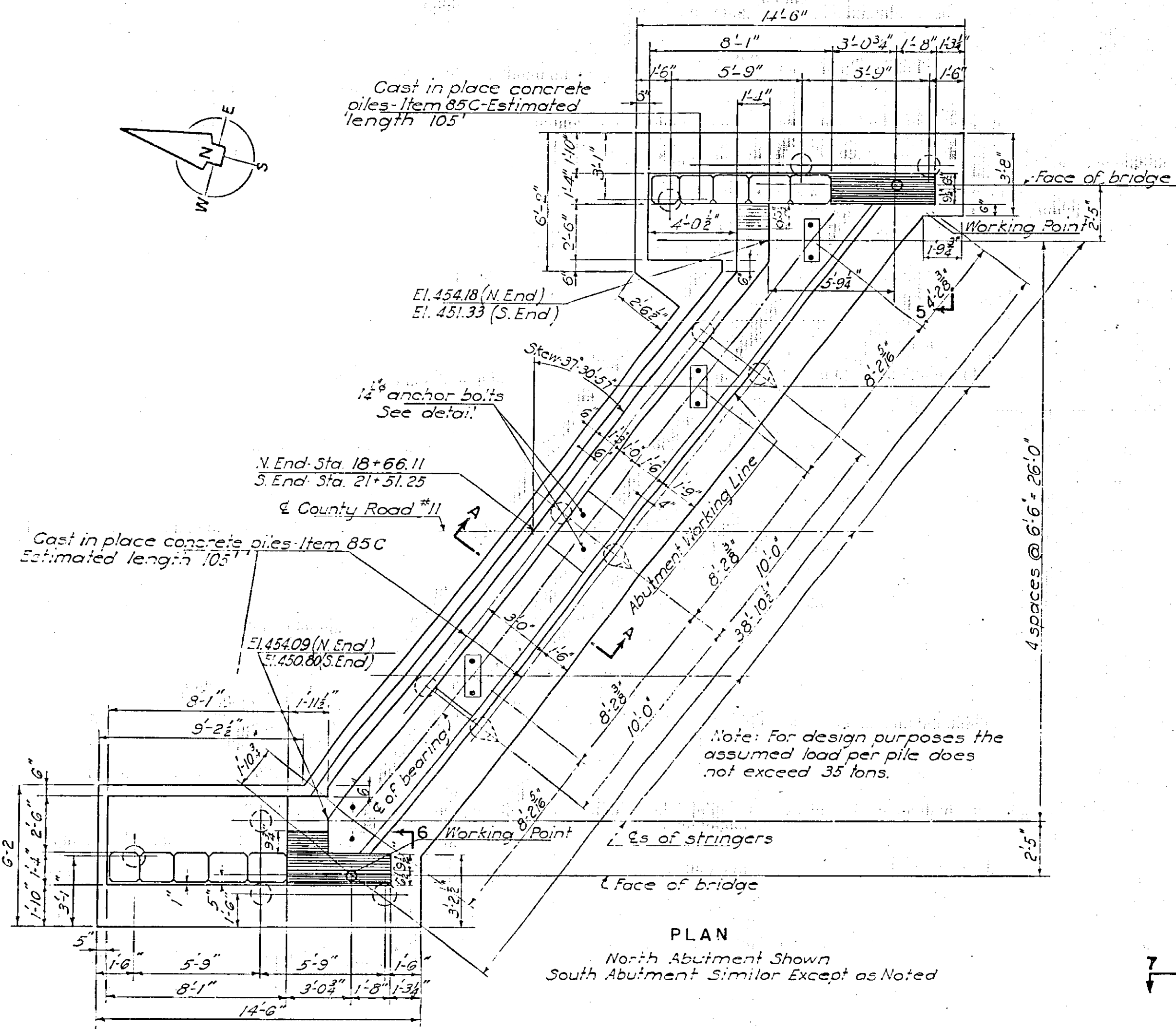
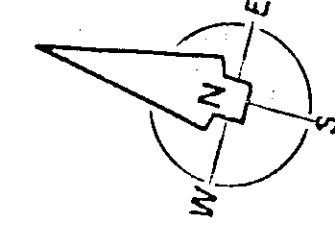
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13 B-30	as noted	4-1-52	FRANCIS L. BROWN	HAROLD A. BLAUVELT

PREPARED AND RECOMMENDED:
 Francis L. Brown, N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN - HAROLD A. BLAUVELT
 CONSULTING ENGINEERS

In charge of *Francis L. Brown*
 Made by *Francis L. Brown*
 Traced by *Francis L. Brown*
 Checked by *Francis L. Brown*



FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	32	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						

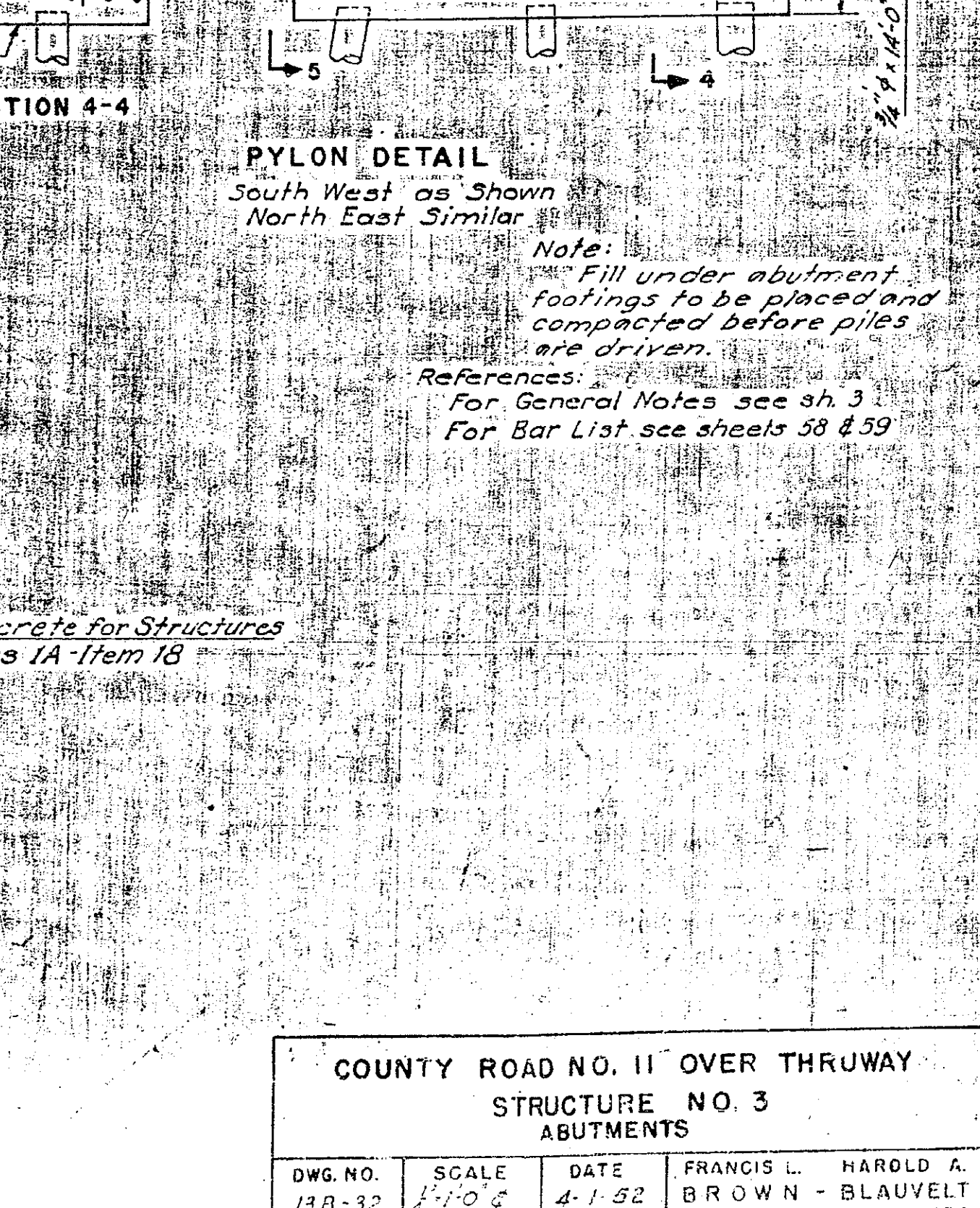
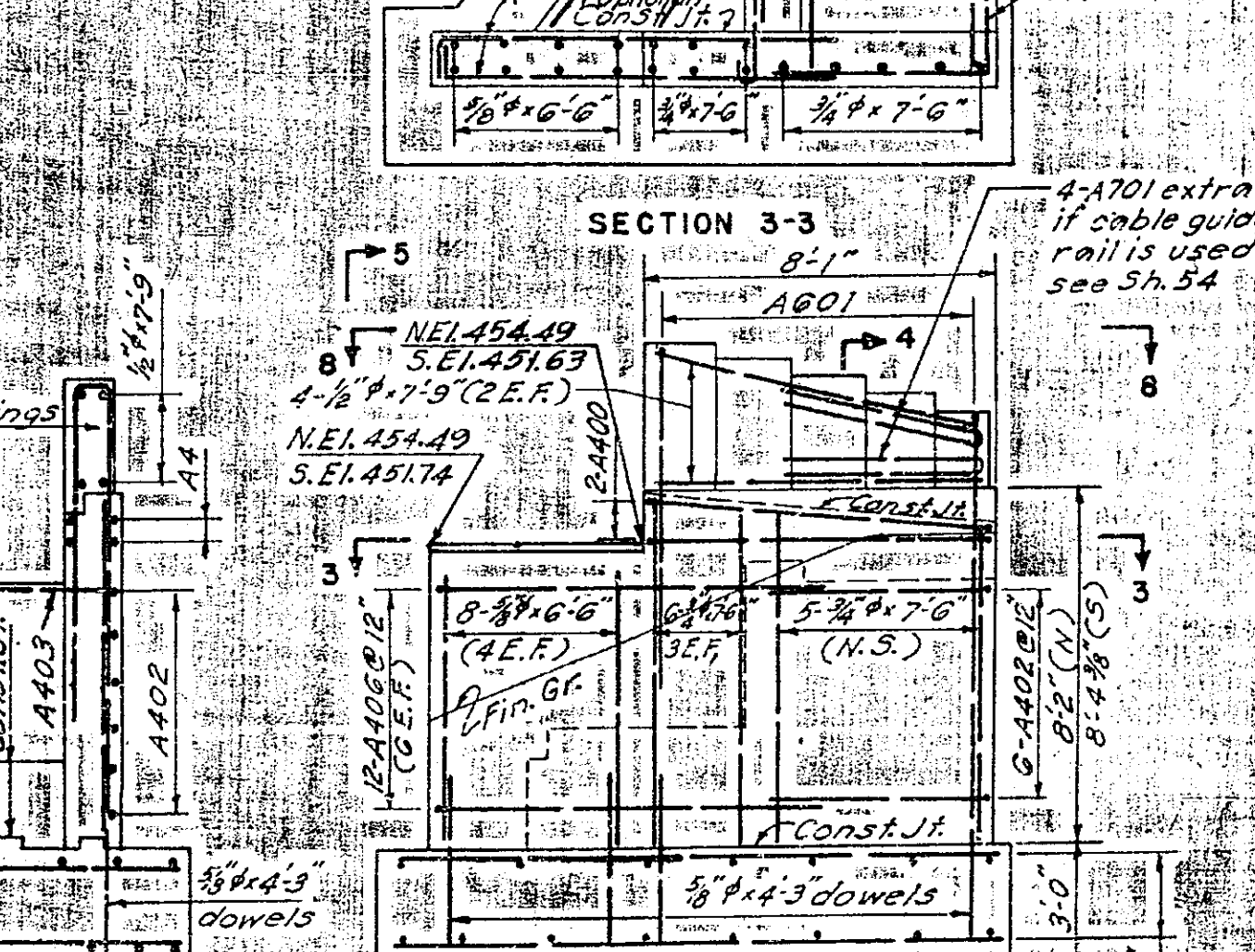
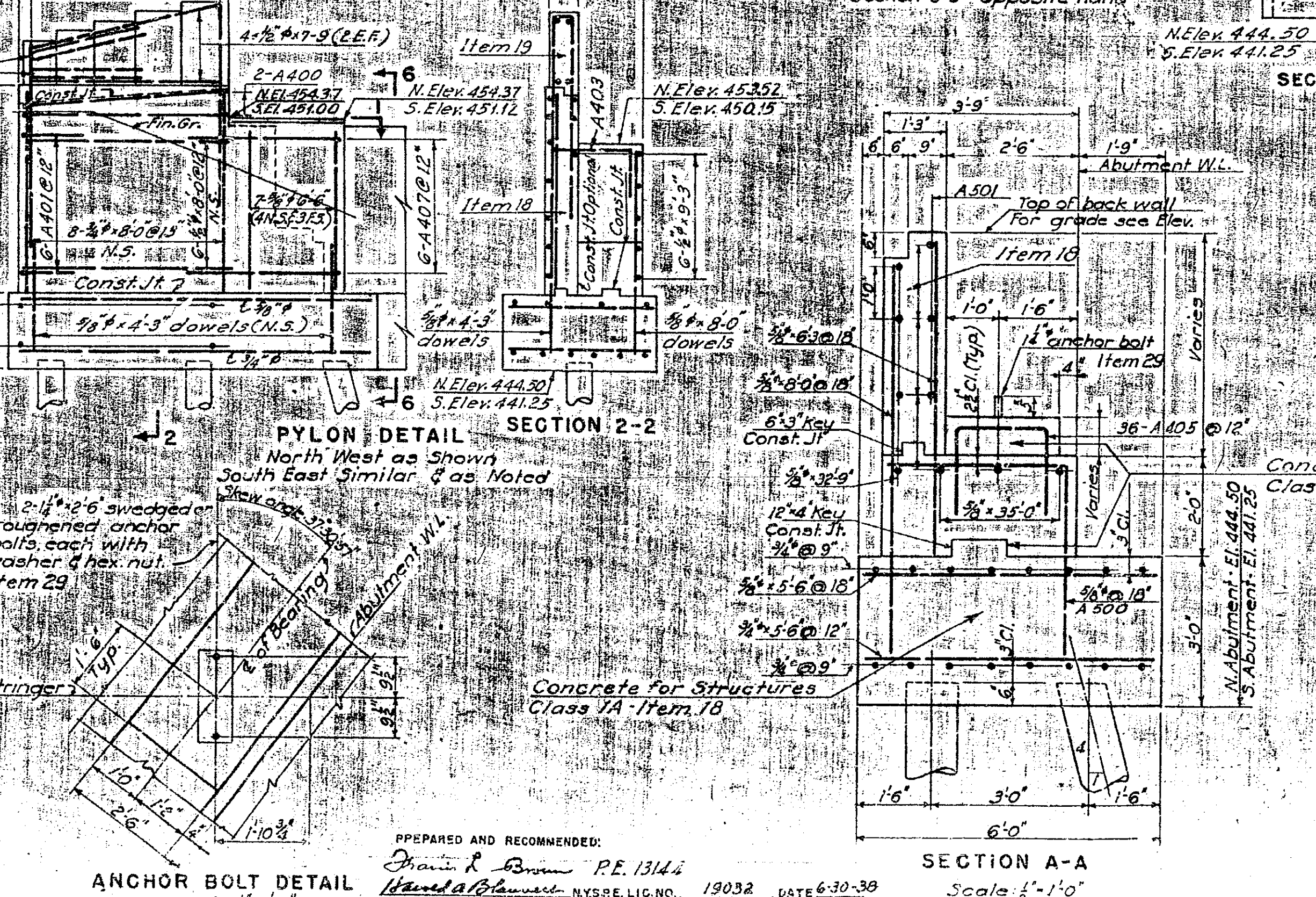
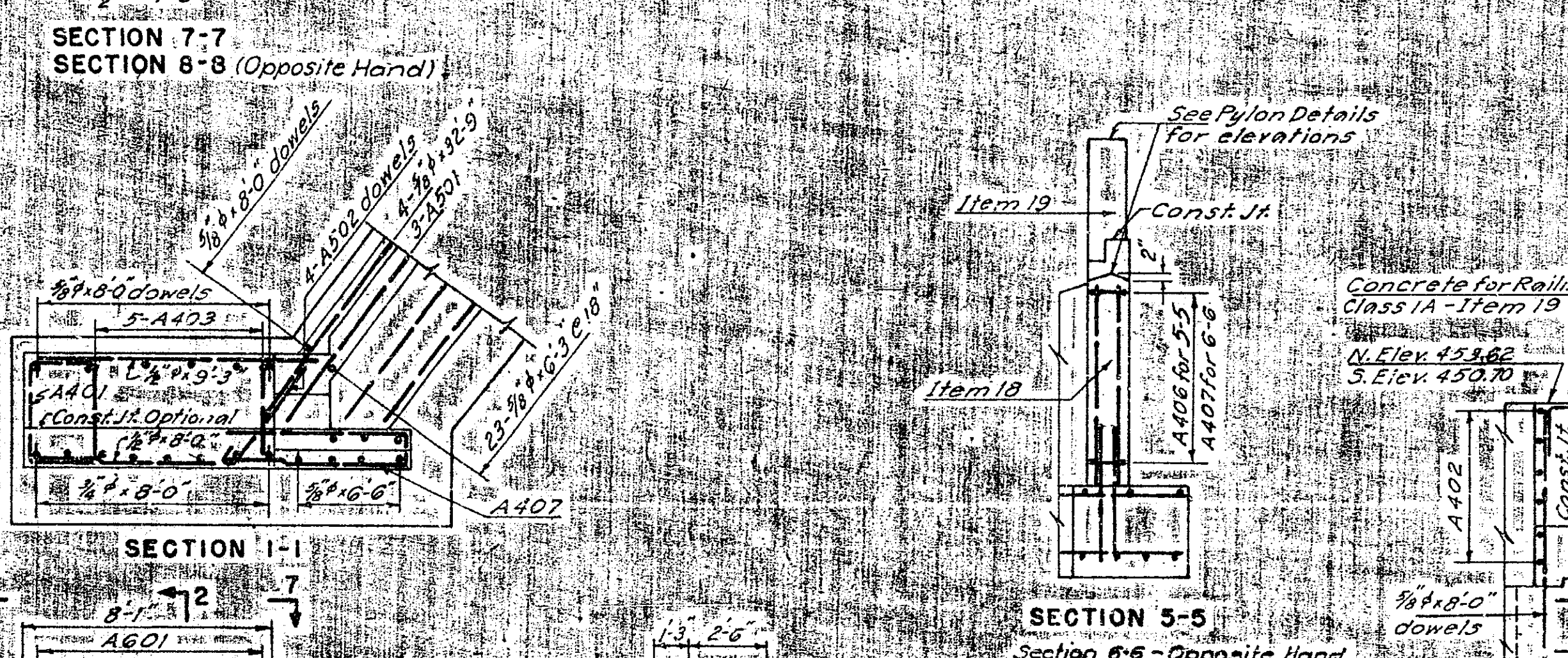
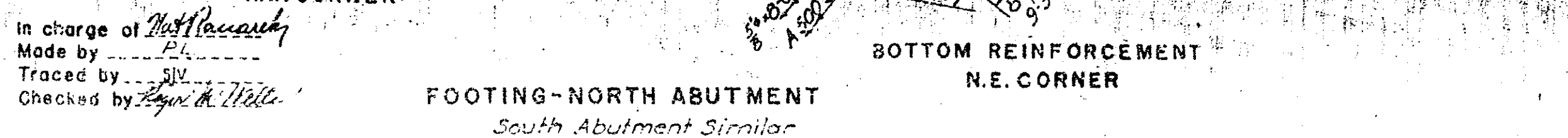
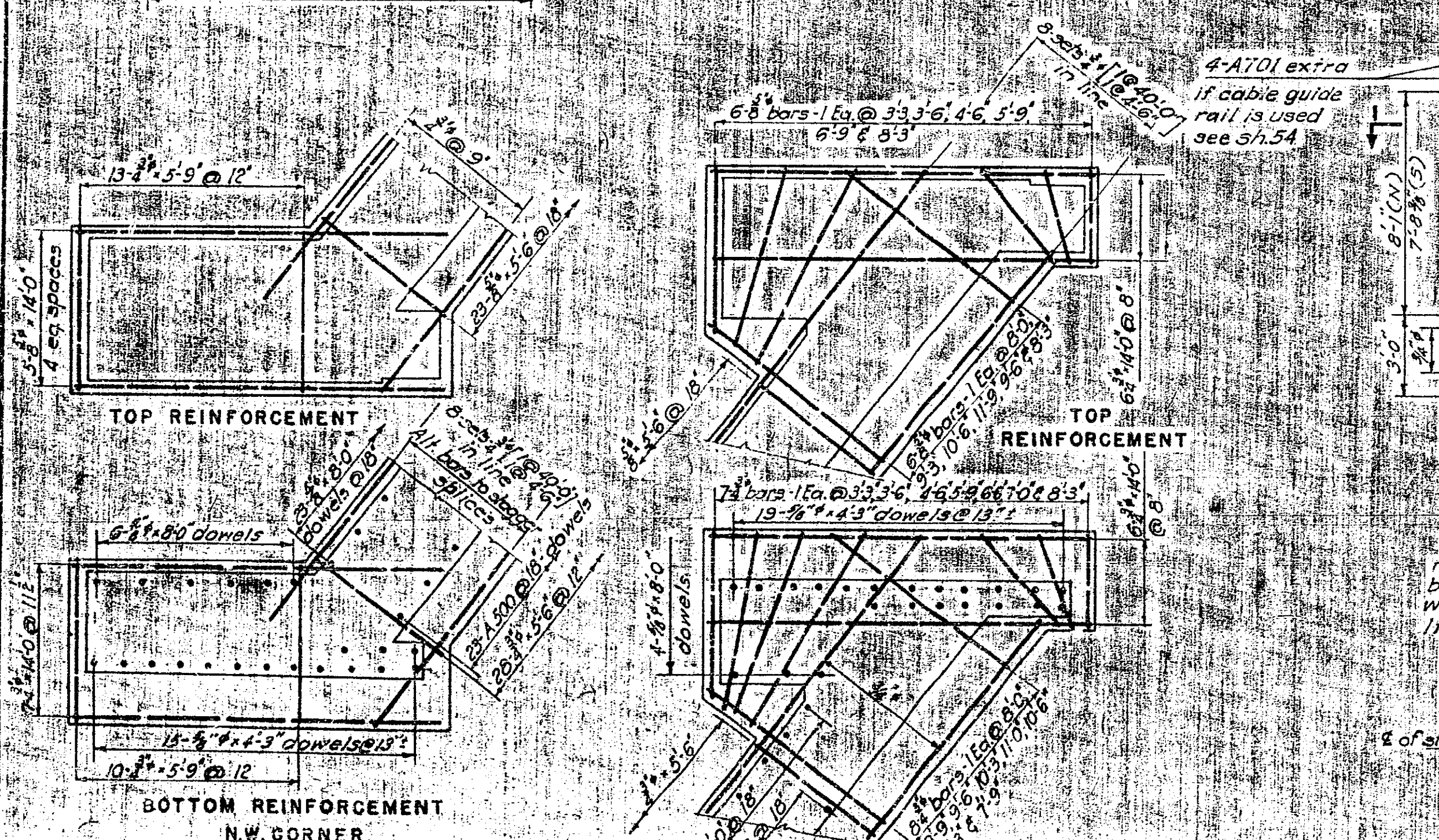


In charge of *W. J. Parnach*
Made by *P.L.*
Traced by *J.V.*
Checked by *W. J. Parnach*

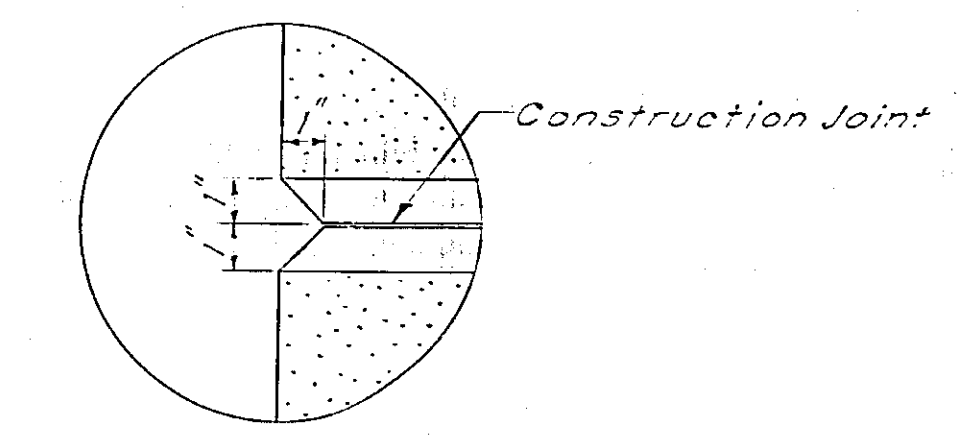
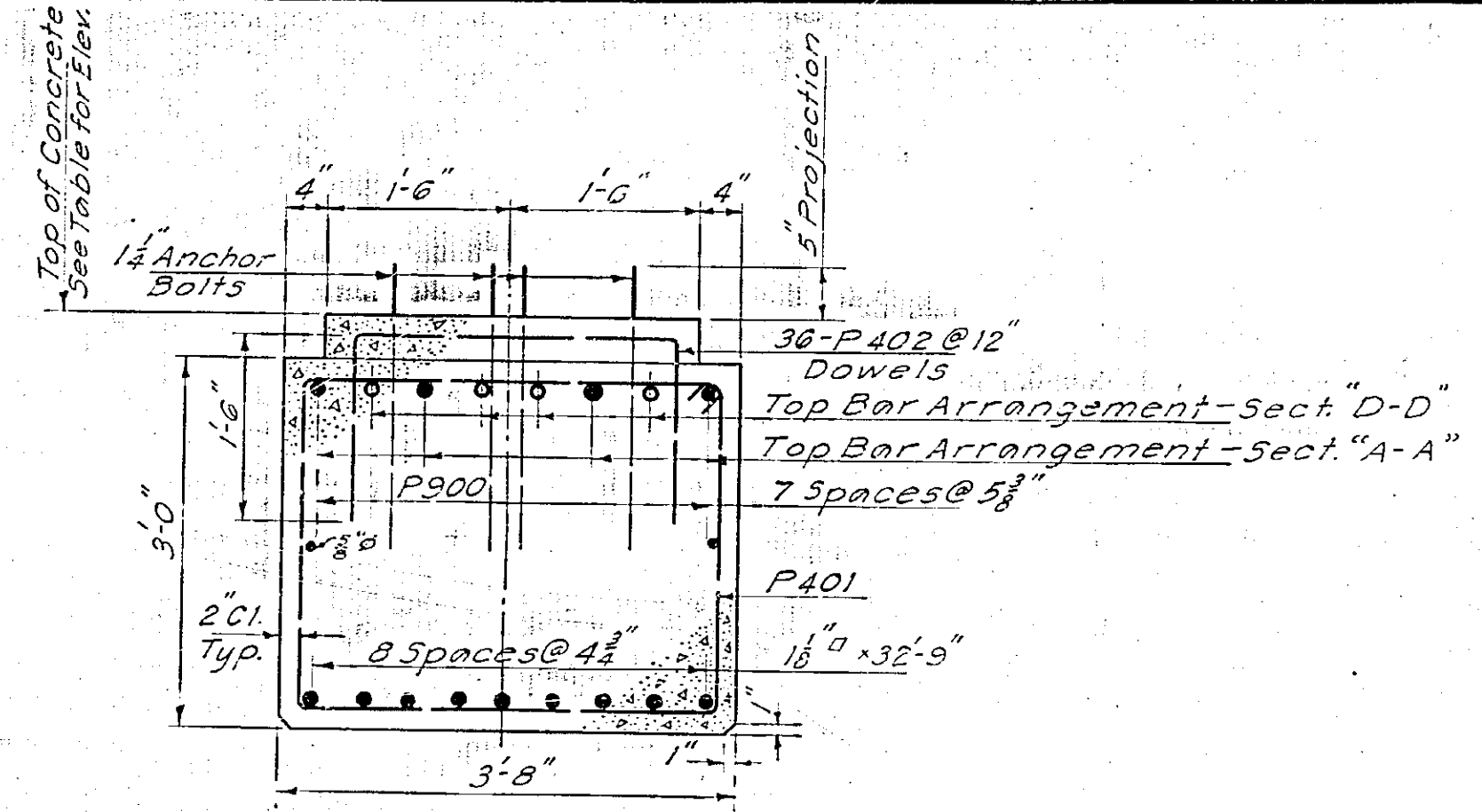
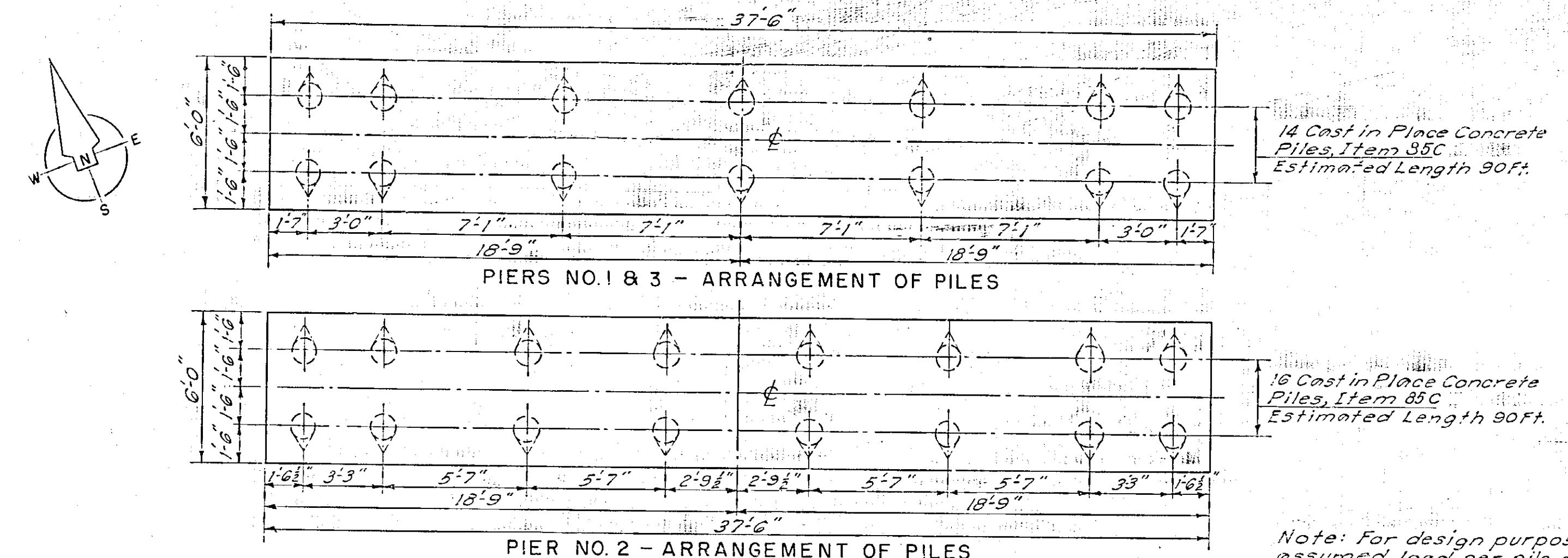
FOOTING-NORTH ABUTMENT
South Abutment Similar

PREPARED AND RECOMMENDED:
Francis L. Brown P.E. 13144
Harold A. Blauvelt N.Y.S.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13B-32	1/4" = 1'-0" as noted	4-1-52	



FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	33	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



DETAIL OF CONSTRUCTION JOINT BETWEEN COLUMN & BEAM

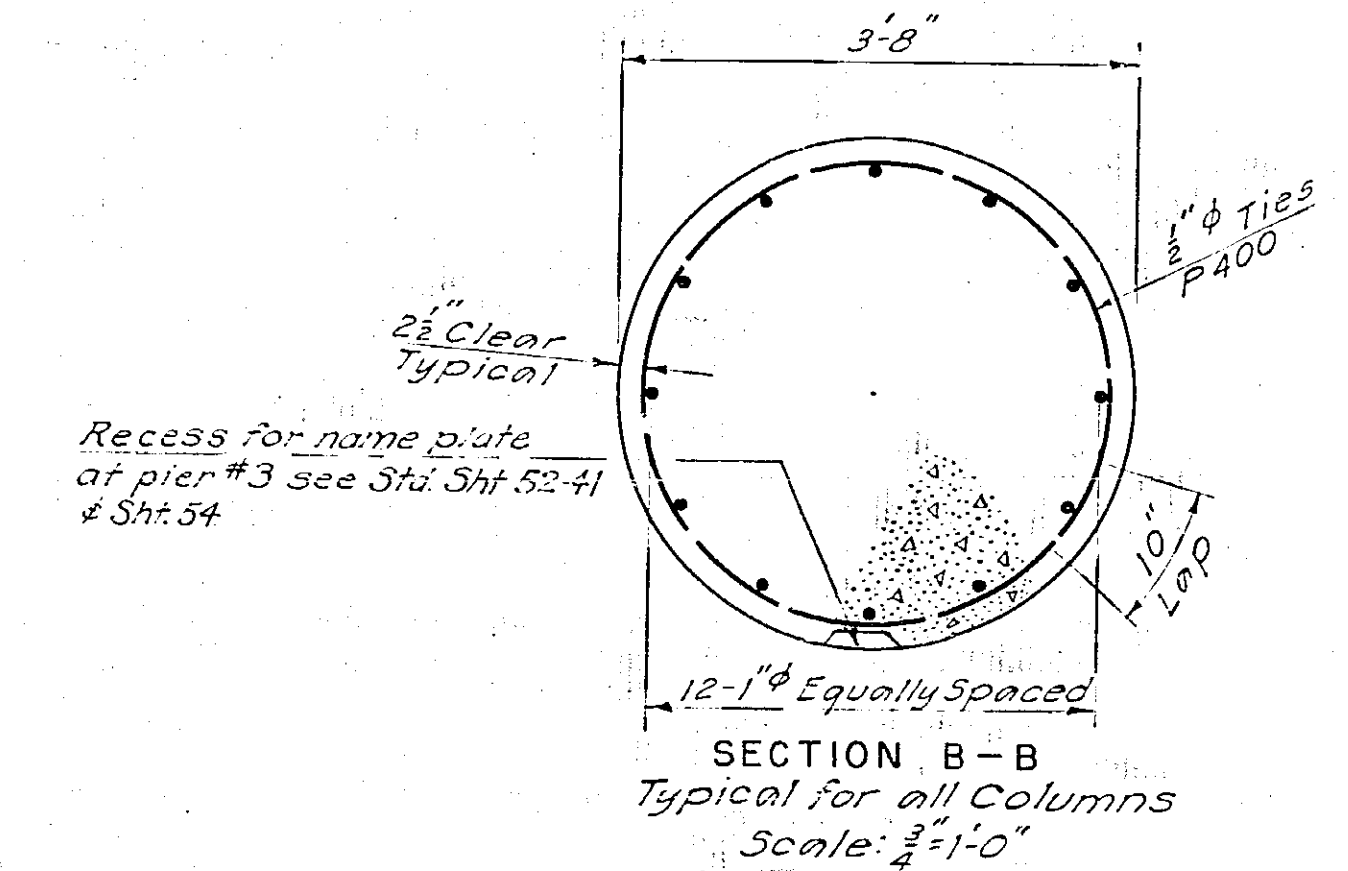
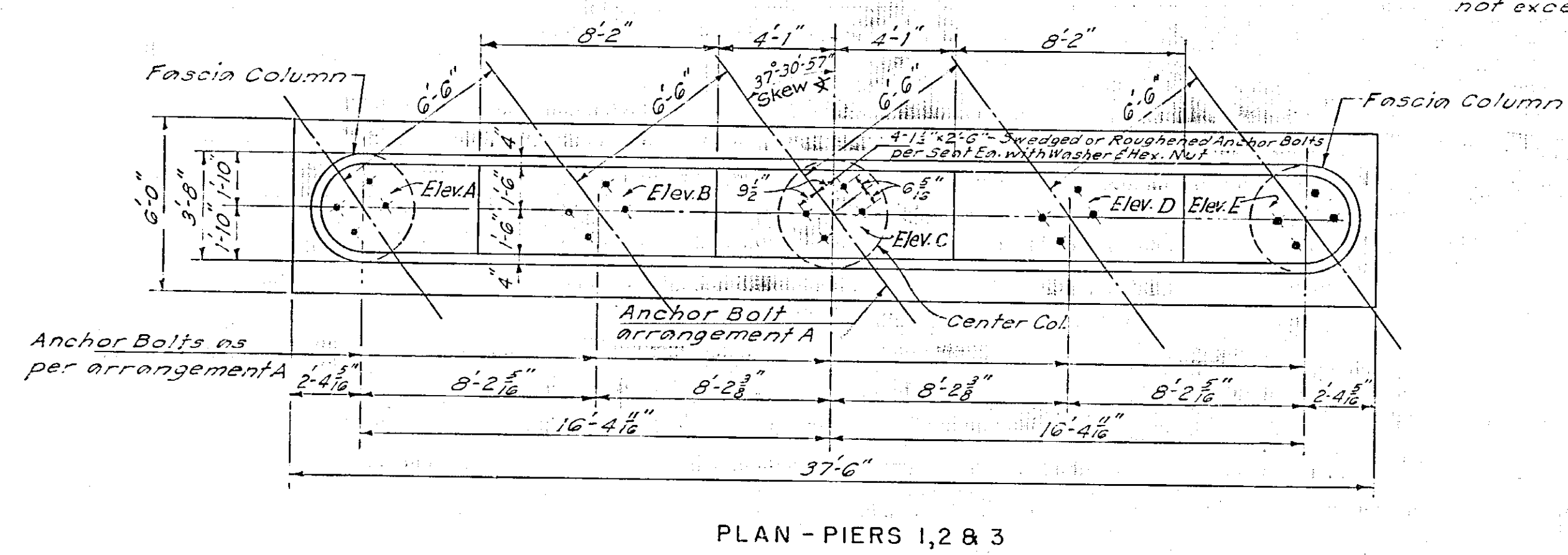
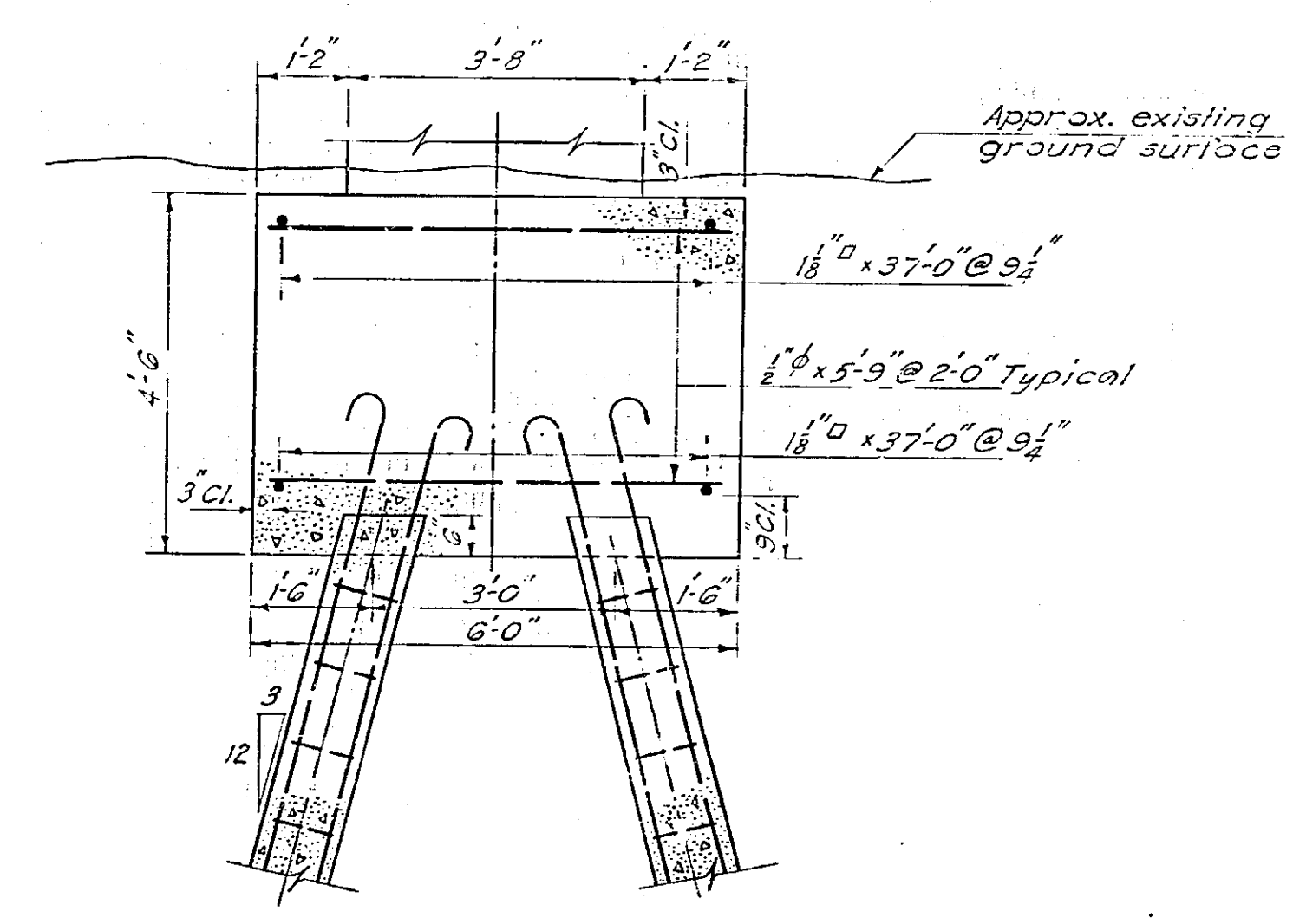
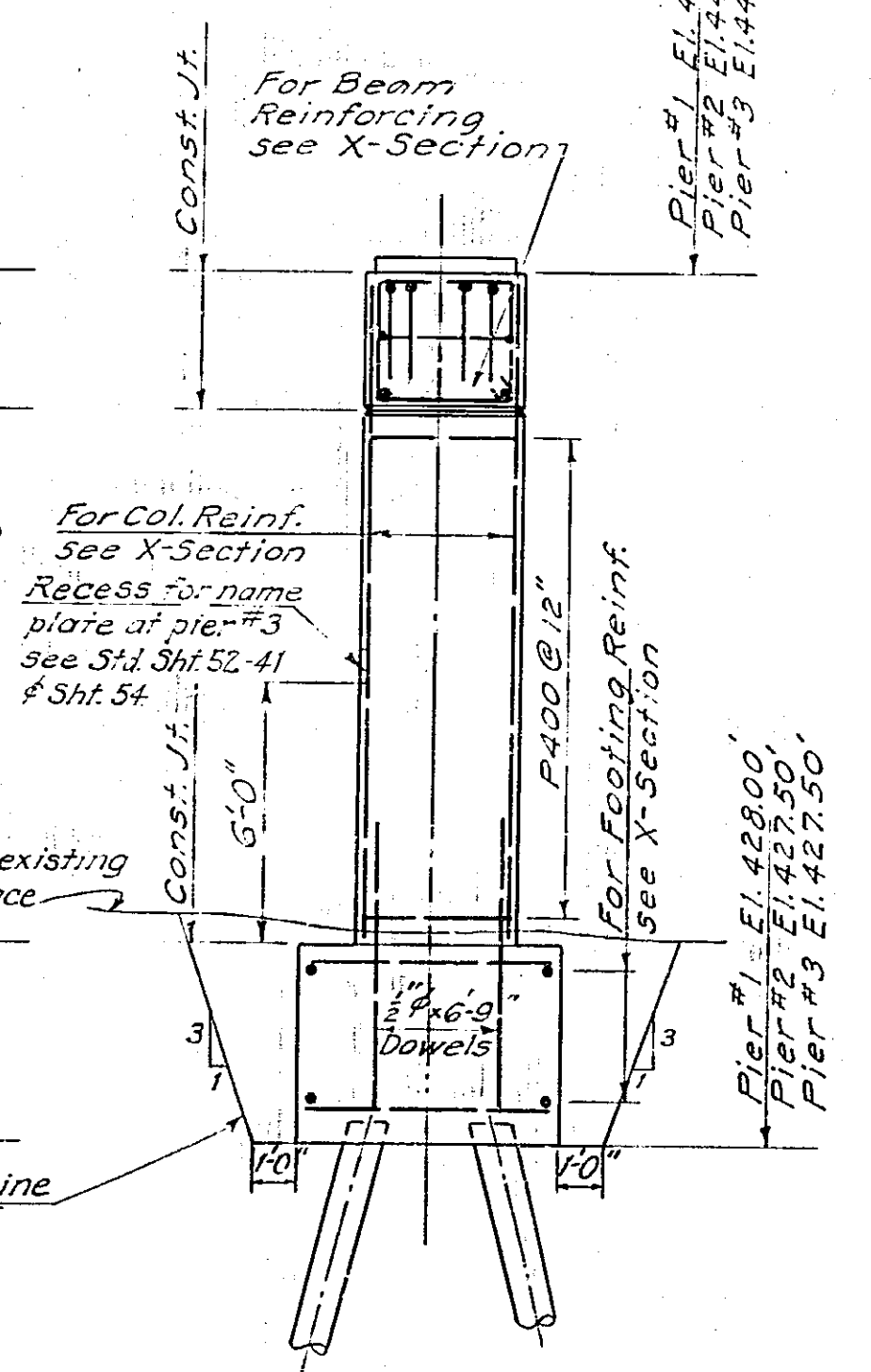
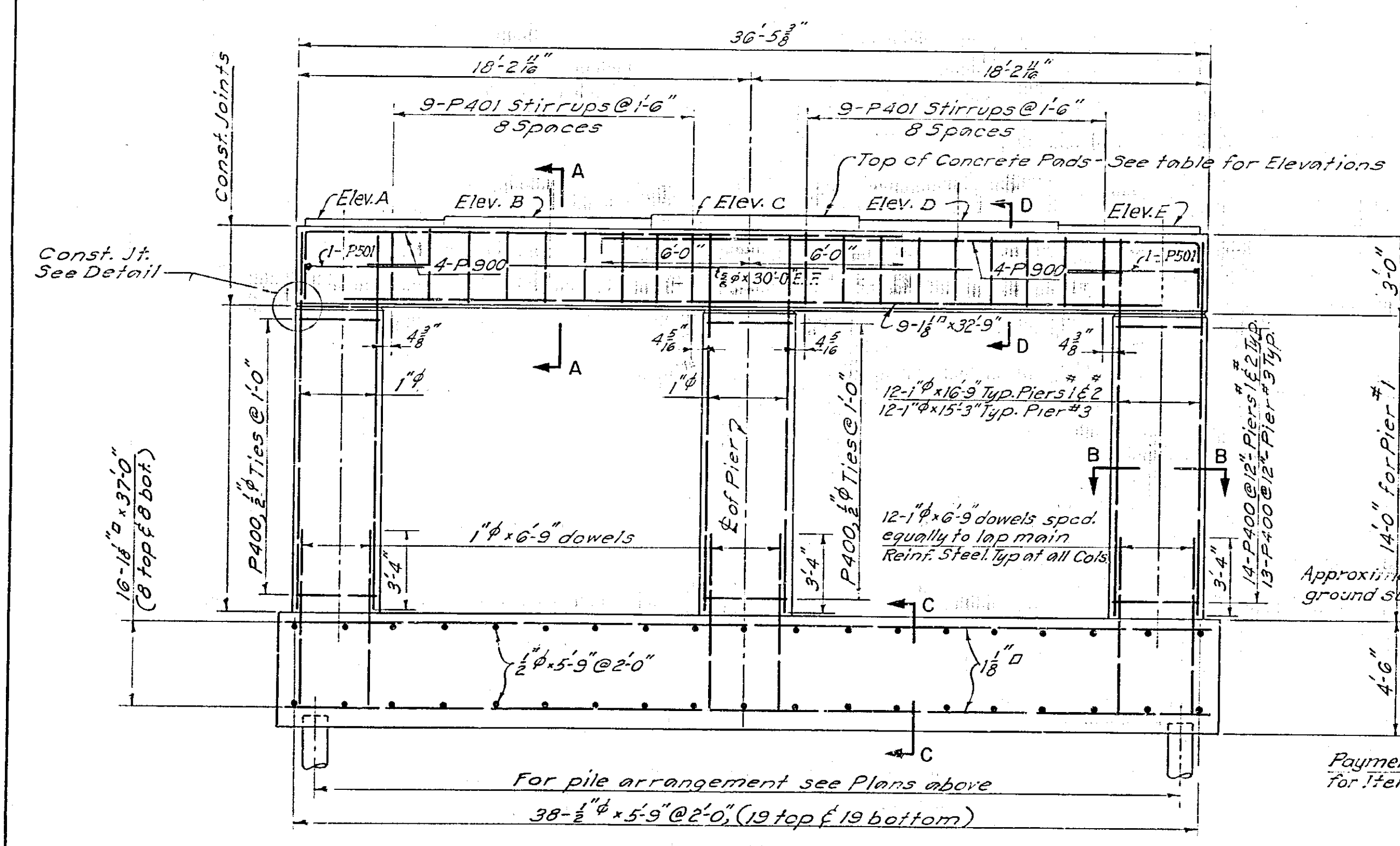


TABLE OF CONCRETE PAD ELEVATIONS

	Pier #1	Pier #2	Pier #3
Elev. A	450.13	449.68	448.43
Elev. B	450.22	449.72	448.43
Elev. C	450.33	449.78	448.44
Elev. D	450.21	449.61	448.22
Elev. E	450.10	449.47	448.02



References:
For General Notes see Sheet 3.
For Location of Piers see Sheet 27.
For Steel Framing see Sheets 29 & 30.
For Bearing Details see Sheet 33.
For Pile Reinforcing see Sheet 53.
For Bar List see Sheet 58 & 59.

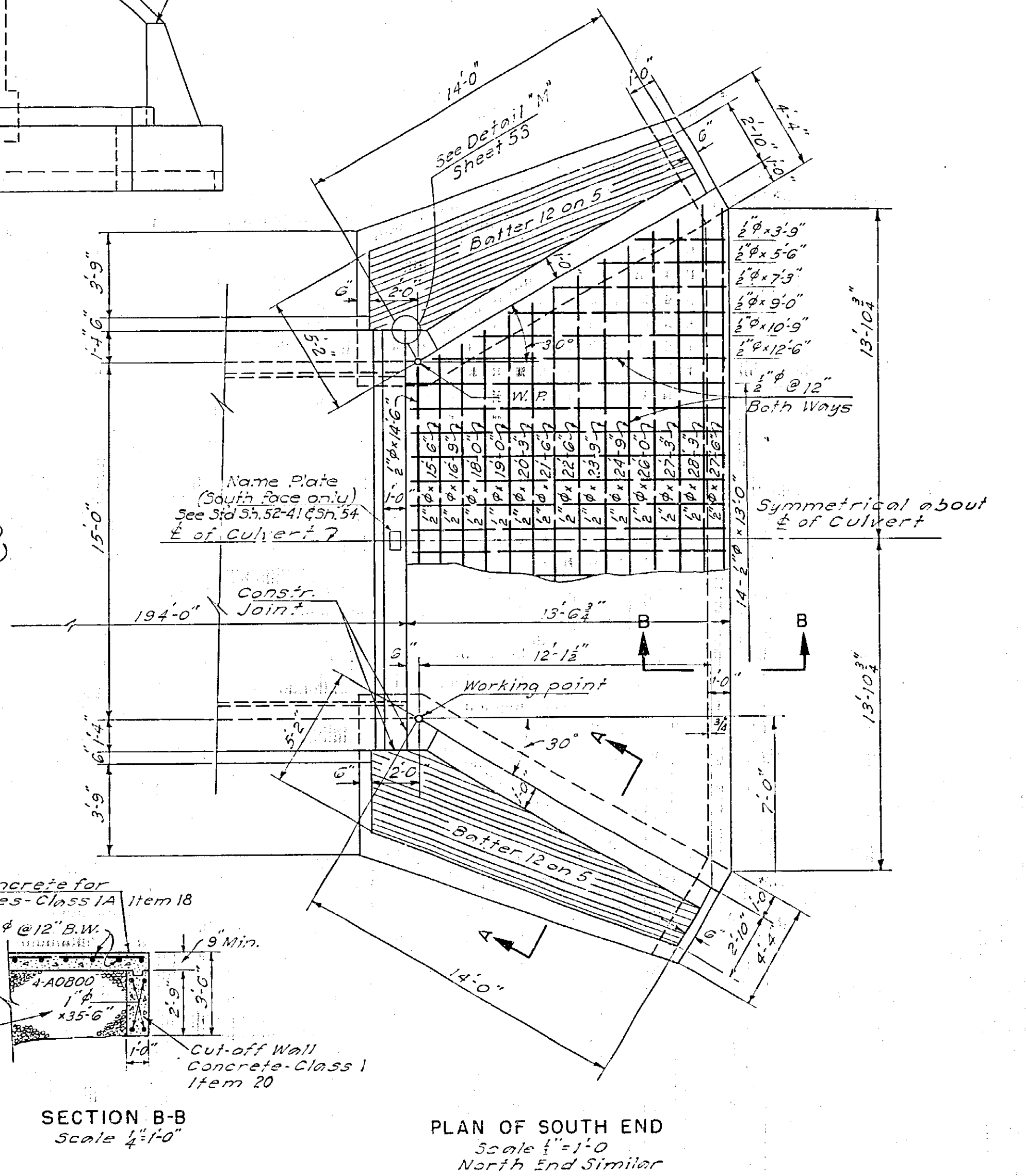
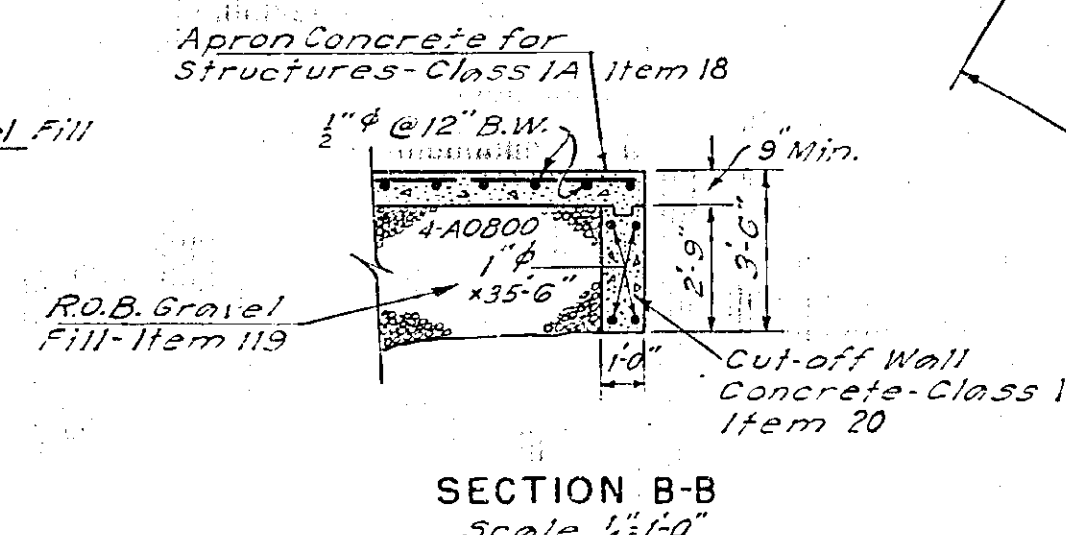
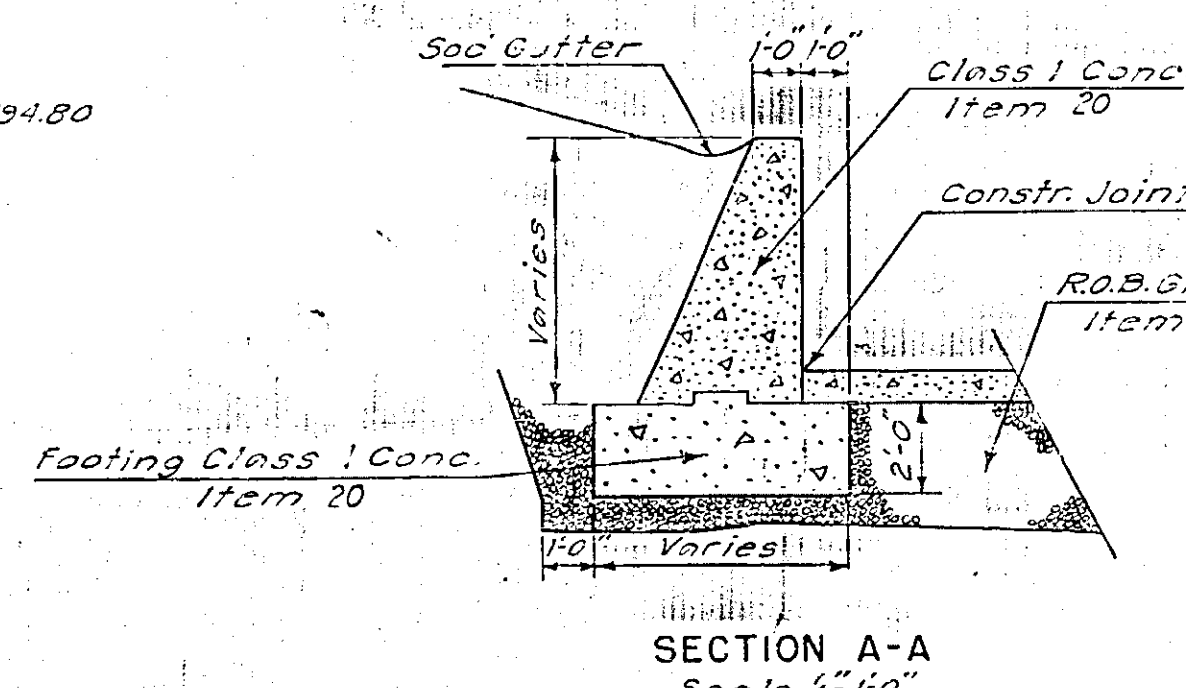
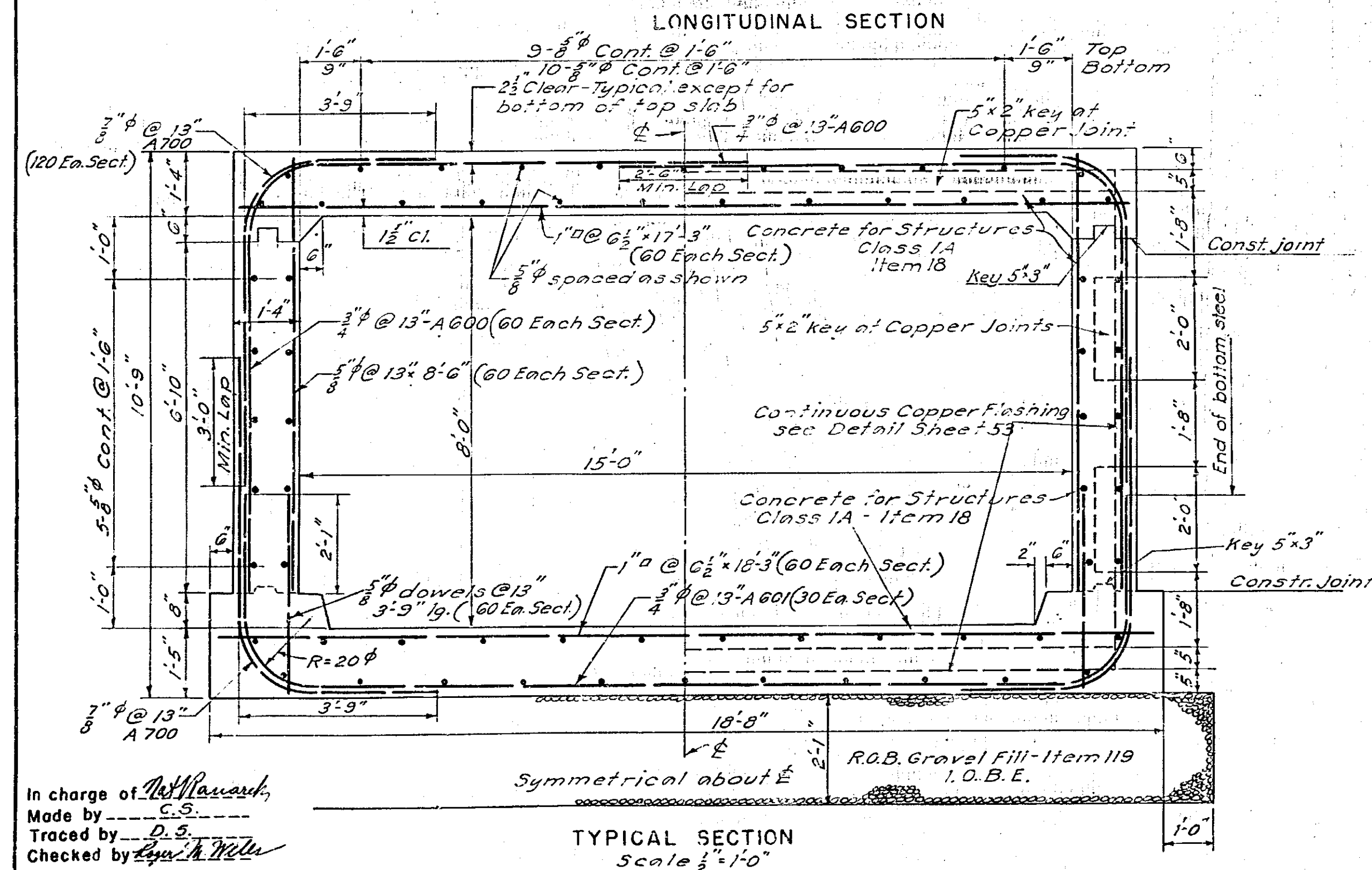
In charge of *Francis L. Brown*
Made by *Harold A. Blauvelt*
Traced by *S. J.*
Checked by *J. J.*

END ELEVATION - PIERS 1, 2 & 3

Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

COUNTY ROAD NO. 11 OVER THRUWAY					
STRUCTURE NO. 3					
PIERS					
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT	CONSULTING ENGINEERS
13 B-31	$\frac{1}{2}$ " = 1'-0" as noted	4-1-52			



ESTIMATE OF QUANTITIES				
Item N ^o	Description	Unit	Near	Rounded
5	Trench, Culvert & Bridge Excavation	C.Y.	735	350
15-2	Portland Cement, Type 2	Bbl.	803	810
15-N	Natural Cement, Type N	Bbl.	111	125
18	Class 1A Concrete for Structures	C.Y.	523	580
20	Class 1A Concrete	C.Y.	79	85
28	Bar Reinforcement for Structures	Lb.	94,398	98,500
30	Dry Rip-Rap	C.Y.	10	20
32	Cofferdams	S.F.	1600	2000
119	Run of Bank Gravel Fill	C.Y.	495	550
124	Sodding	S.Y.	222	230

REFERENCES

For General Notes, see Sheet 3, for Detail "K" see Sheet 53.

For Std. Guide Rail Item 33D see Std. Shs.

For Paymen- Lines for Items 2B, 5, 119 see Sh. 88.

For Bar List see Sh. 59

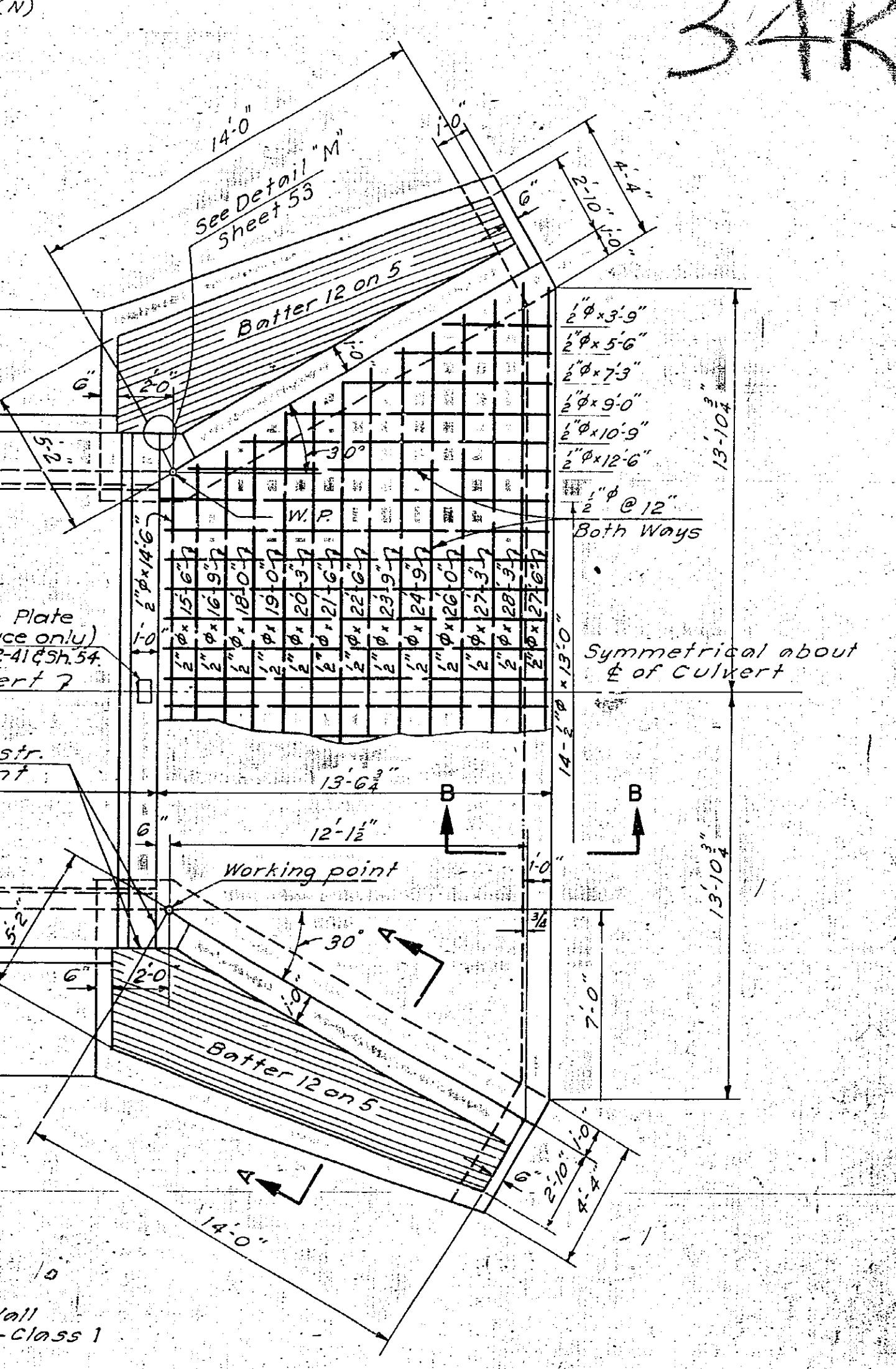
Details of Sadding to be as shown on Std. Sh. 50-34, except as otherwise shown on this plan.

For details of Riprap see sheet 87.

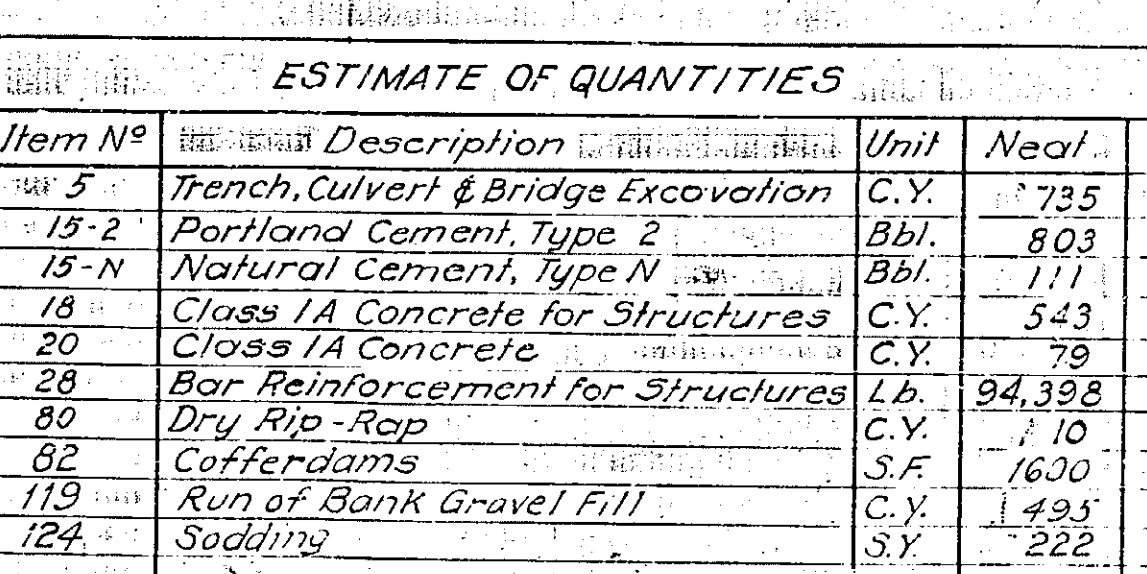
THRUWAY OVER PRATT CREEK
STRUCTURE NO.4
PLAN SECTIONS & DETAILS

DWG. NO. 13-B-33	SCALE 1"=20' As Noted	DATE 4-1-52	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS
---------------------	-----------------------------	----------------	--

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN · HAROLD A. BLAUVELT CONSULTING ENGINEERS



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



REFERENCES

For General Notes, see Sheet 3, for Detail see Sheet 53.

For Std. Guide Rail Item 33D see Std. Shs.

For Payment Lines for Items 2, 3, 119 see Sh. 8.

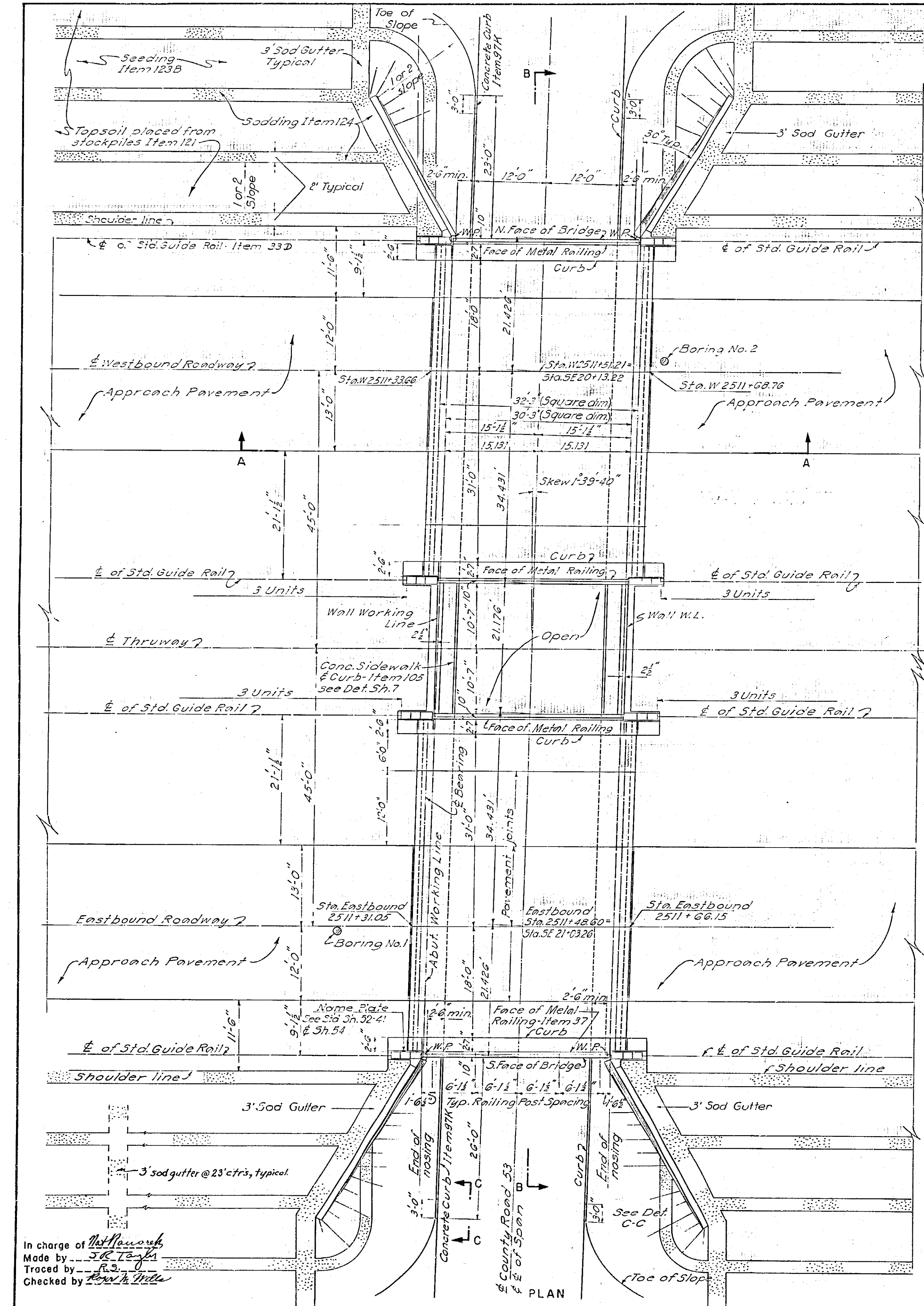
For Bar List see Sh. 53.

Details of Sodding to be as shown on Std. Sh. 50-3, except as otherwise shown on this plan.

For details of Riprap see sheet 87.

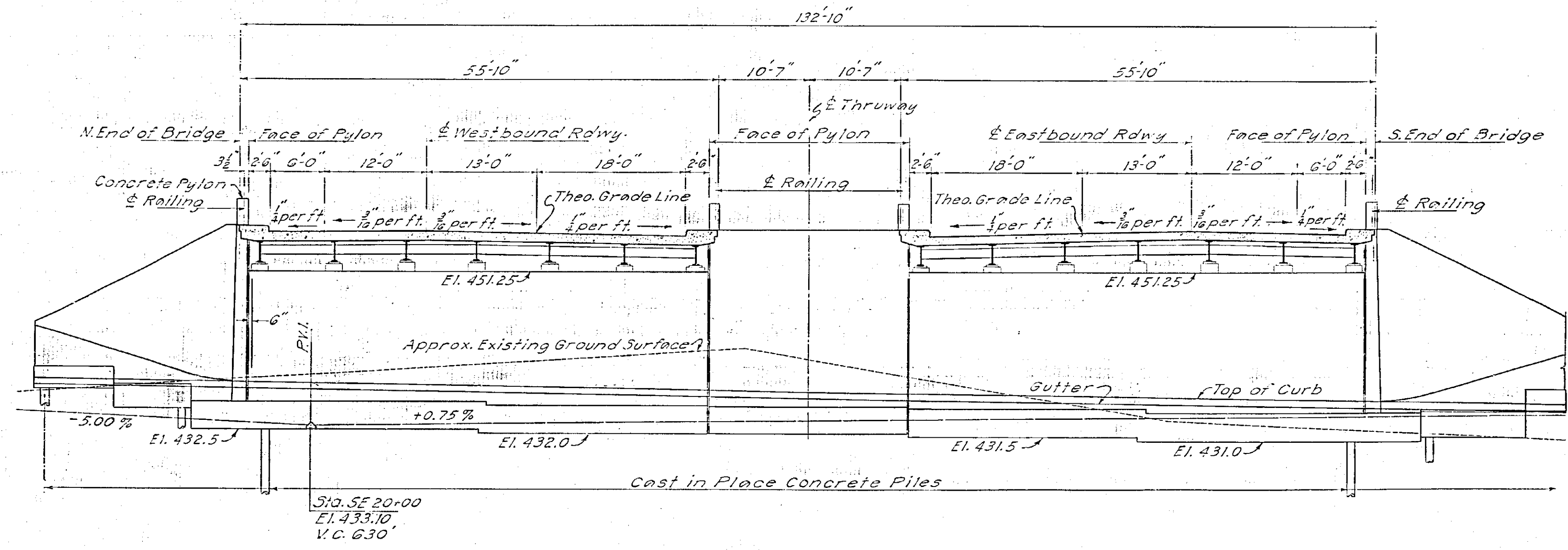
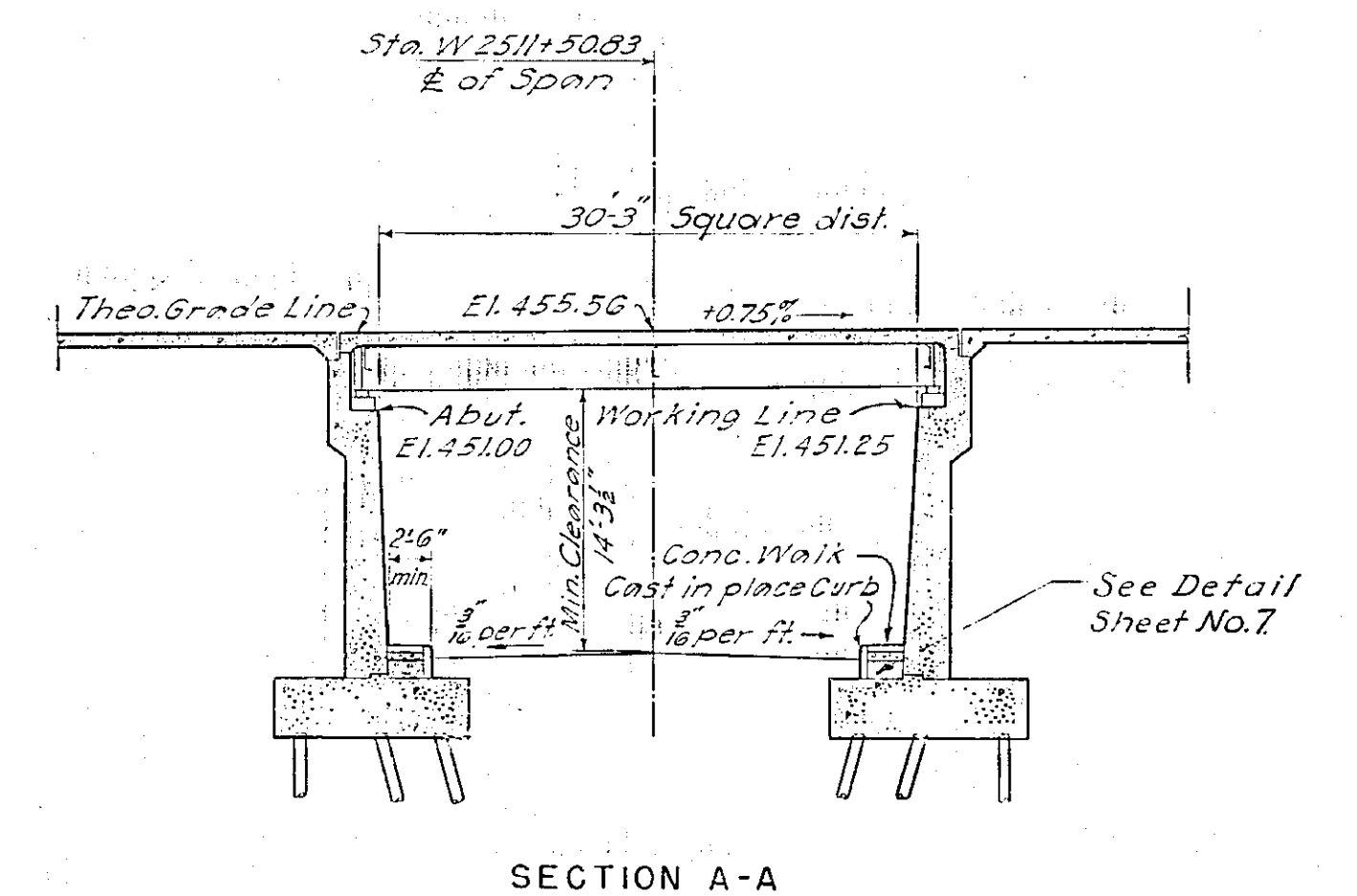
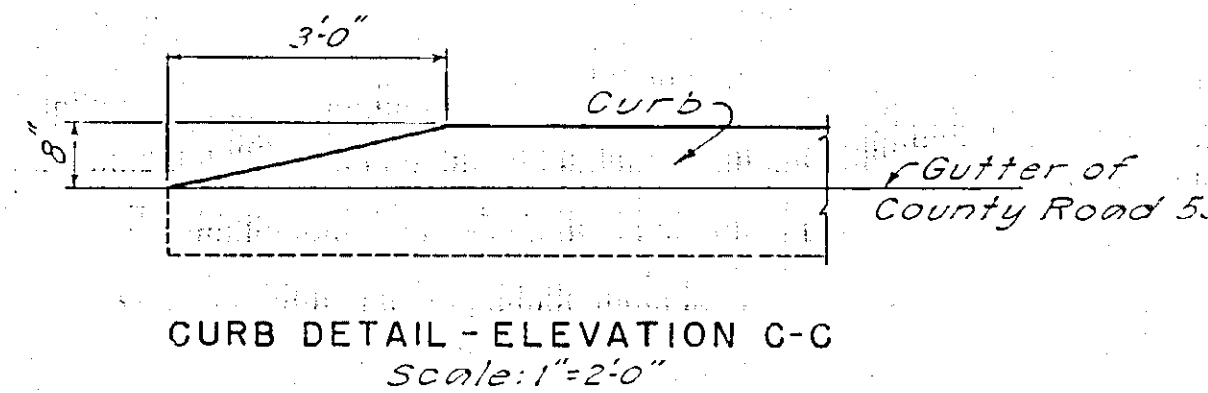
THRUWAY OVER PRATT CREEK STRUCTURE NO.4			
PLAN, SECTIONS & DETAILS			
DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD BROWN - BLAUVEL CONSULTING ENGINEER
38 13-B-33	1"=20' As Noted	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	35	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



Note: For location of shoulder gutters, see Std. Sh. #50-3A.

Note: For limits of Items 121, 123B & 124 see Roadside Development Sh. 11 & 12



Note: Horiz. dimensions are square distances

ESTIMATE OF QUANTITIES				
Item No.	Description	Unit	Near	Round
5	Trench, Culvert & Bridge Excavation	C.Y.	804	900
10 YR	Pipe Underdrain, Optional - 6" Diam	L.F.	488	540
15-2	Portland Cement, Type 2	Bbl.	1,173	1,915
15-N	Natural Cement, Type N	Bbl.	246	275
18	Class 1A Concrete for Structures	C.Y.	1,170	1,180
19	Class 1A Concrete for Railings	C.Y.	3	6
25 F	Steel Fabric Reinforcement	Lb.	1,048	1,100
28	Bar Reinforcement for Structures	Lb.	124,292	131,000
29	Structural Steel	Lb.	78,570	73,000
37	Metal Railing	L.F.	123	130
47 B	Cement Concrete Pavement	C.Y.	42	45
85 C	Cast-in-Place Concrete Piles	L.F.	594.0	6,700
87	Furn. Eqp. for Driving Piles	L.S.	Nec.	Nec.
97 K	Concrete Curb Type H	L.F.	366	380
105	Concrete Sidewalk	S.Y.	74	85
119	Run of Bank Gravel Fill	C.Y.	2641	2,900
121	Topsoil Placed from Stockpiles	C.Y.	179	180
123 B	Seeding on Prepared Areas	Acre	0.42	0.42
124	Sodding	S.Y.	560	570

References:
For General Notes see Sh. 3
For Std. Guide Rail Item 33D see Std. Shs.
For Payment Lines for Items 28, 5, 119, see Sh. 88
Details of Sodding to be as shown on Std. Sh. 50-3A, except as otherwise shown on this plan.

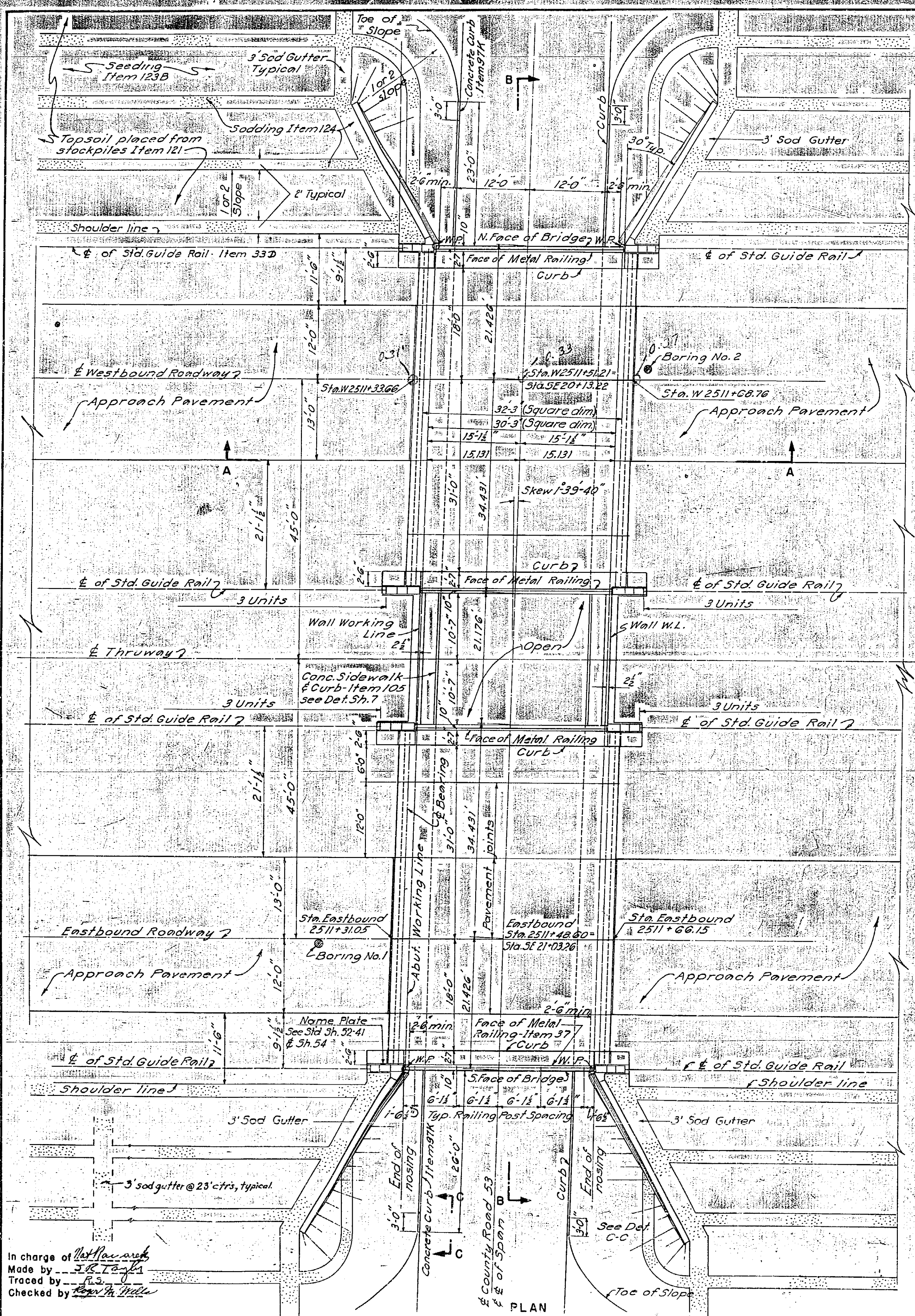
THRUWAY OVER COUNTY ROAD NO. 53				
STRUCTURE NO. 5				
PLAN & SECTIONS				
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS	
13B-34	1"=10' & As Shown	4-1-52		

In charge of *W. L. Brown*
Made by *W. L. Brown*
Traced by *R. J. ...*
Checked by *R. J. ...*

Francis L. Brown P.E. 13144

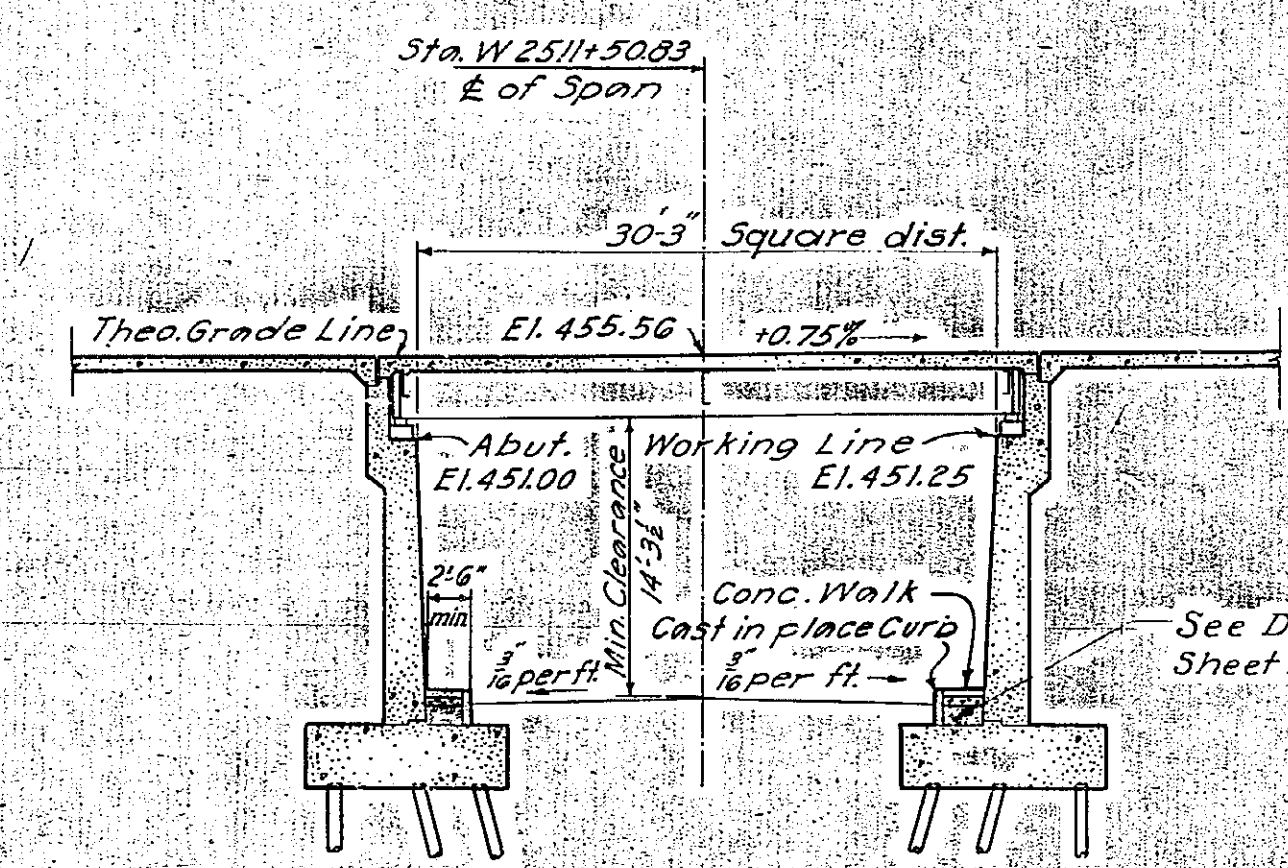
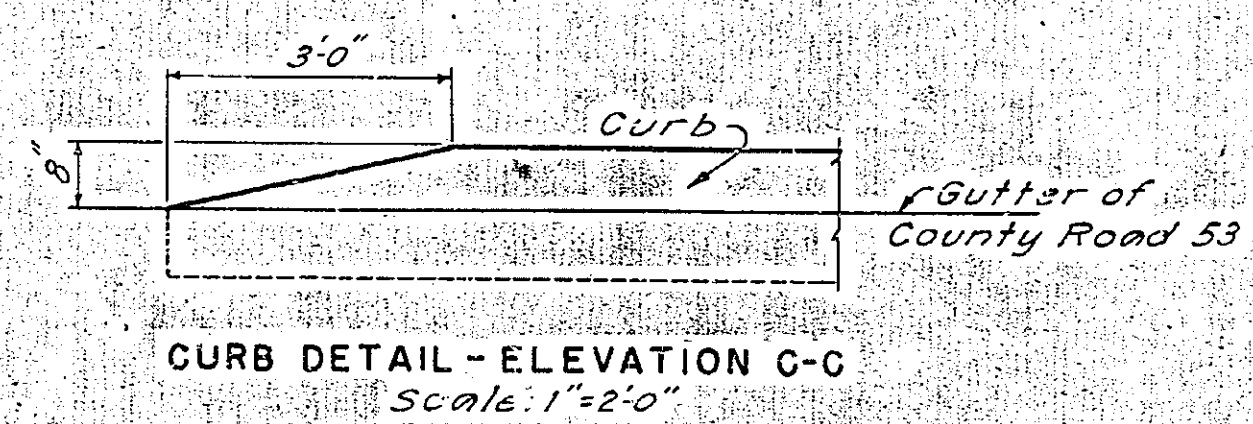
PREPARED AND RECOMMENDED:
Harold A. Blauvelt NYS.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

35R

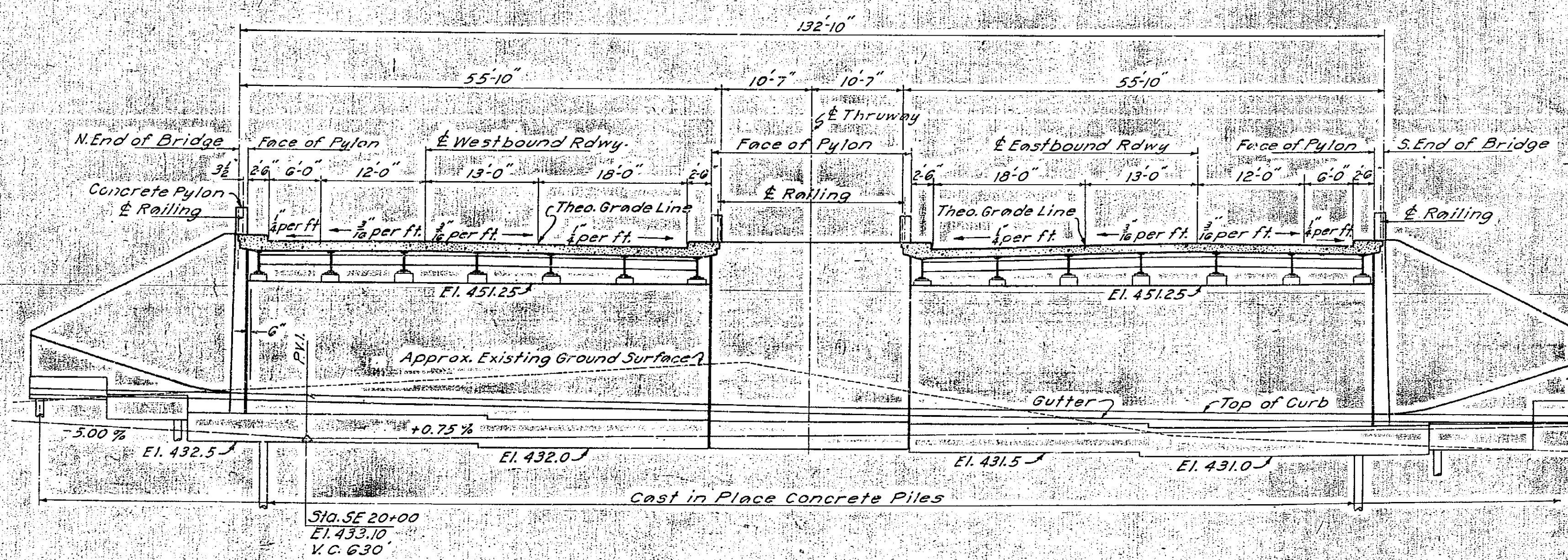


Note: For location of shoulder gutters, see Std. Sh. #50-34.

Note: For limits of Items 121, 123B & 124 see Roadside Development Sh. 11 & 12



SECTION A-A



SECTION B-B

Note: Horiz. dimensions are square distances

ESTIMATE OF QUANTITIES					
Item No.	Description	Unit	Wear	Total	
5	Trench, Culvert & Bridge Excavation	C.Y.	804	804	
10 YR	Pipe Underdrain, Optional - 6" Diam.	L.F.	488	488	
15-2	Portland Cement, Type 2	Bbl.	1,173	1,173	
15-N	Natural Cement, Type N	Bbl.	246	246	
18	Class 1A Concrete for Structures	C.Y.	1,170	1,170	
19	Class 1A Concrete for Railings	C.Y.	1,170	1,170	
25 F	Steel Fabric Reinforcement	Lb.	1,048	1,048	
28	Bar Reinforcement for Structures	Lb.	12,292	12,292	
29	Structural Steel	Lb.	12,570	12,570	
37	Metal Railing	L.F.	123	123	
47 B	Cement Concrete Pavement	C.Y.	142	142	
65 C	Cast in Place Concrete Piles	L.F.	5940	5940	
87	Rmn. Eqp. for Driving Piles	L.S.	Nec.		
97 K	Concrete Curb Type K	L.F.	1,366	1,366	
105	Concrete Sidewalk	S.Y.	74	74	
110	Top of Bank Gravel Fill	C.Y.	2641	2641	
121	Topsoil Placed from Stockpiles	C.Y.	179	179	
123 B	Seeding on Prepared Areas	Acres	0.42	0.42	
124	Sodding	S.Y.	560	560	

Built as per plan except as noted

References:
For General Notes see Sh. 3
For Std. Guide Rail Item 33D see Std. Sh.
For Payment Lines for Items 28, 5, 119, see Sh. 88
Details of Sodding to be as shown on Std. Sh. 50-34 except as otherwise shown on this plan.

In charge of *[Signature]*
Made by *[Signature]*
Traced by *[Signature]*
Checked by *[Signature]*

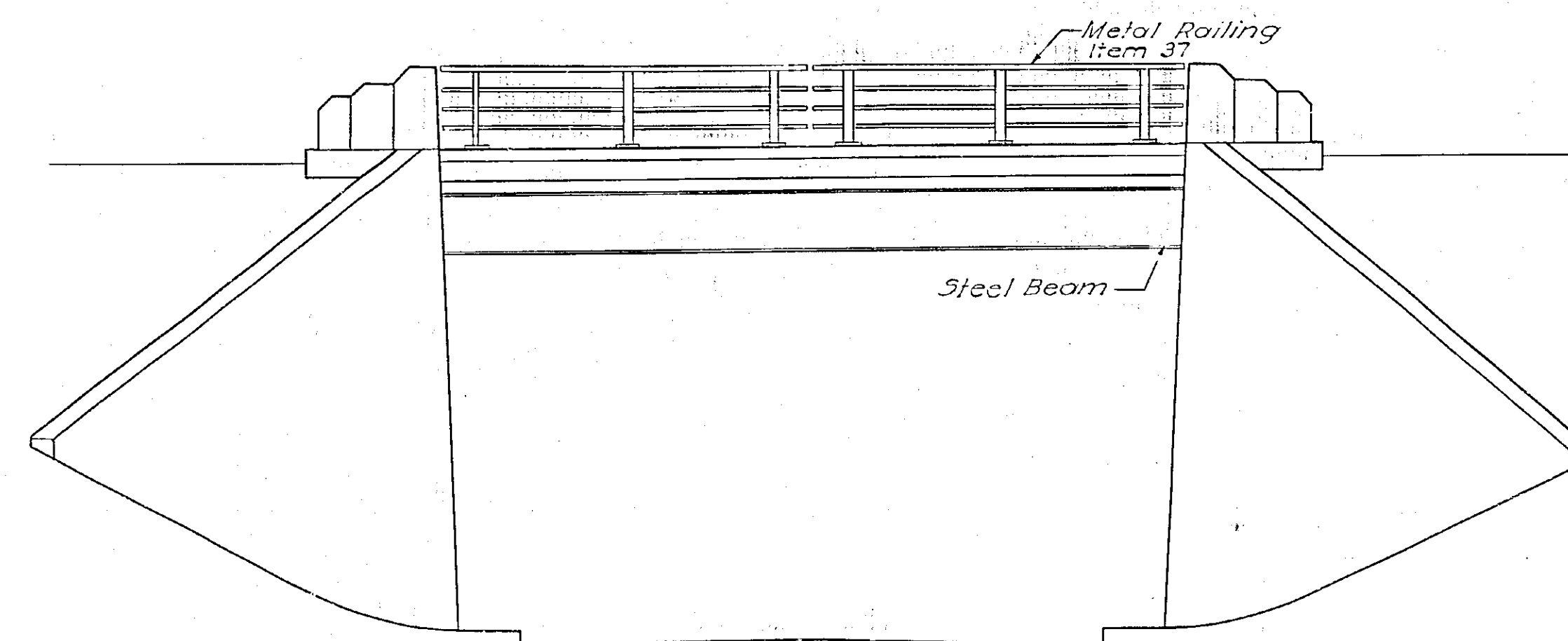
Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
[Signature] NYS P.E. LIC. NO. 19032 DATE 6-30-58
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

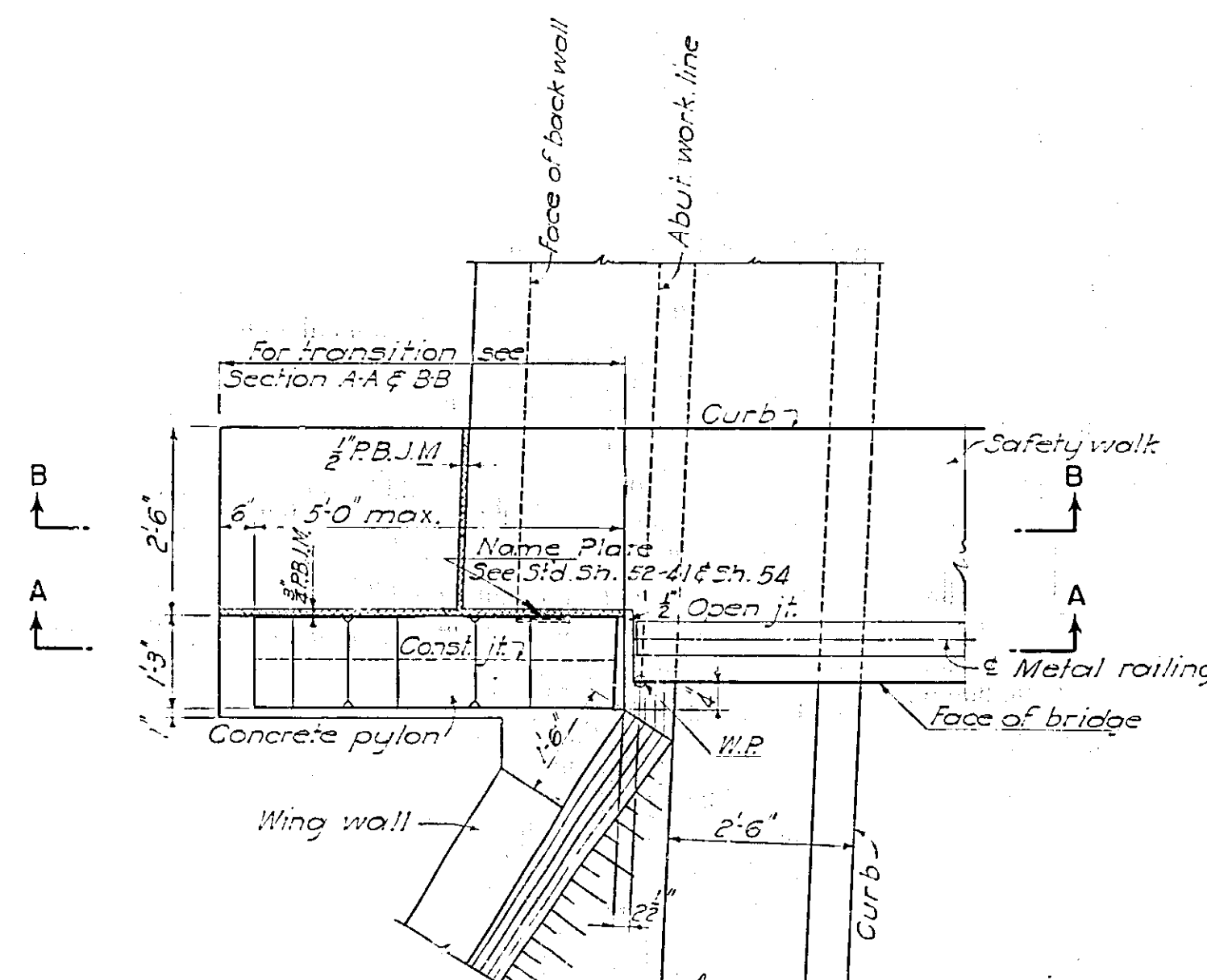
THRUWAY OVER COUNTY ROAD NO. 53 STRUCTURE NO. 5 PLAN & SECTIONS			
DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS
13B-34	1"=10' & As Shown	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	36	90

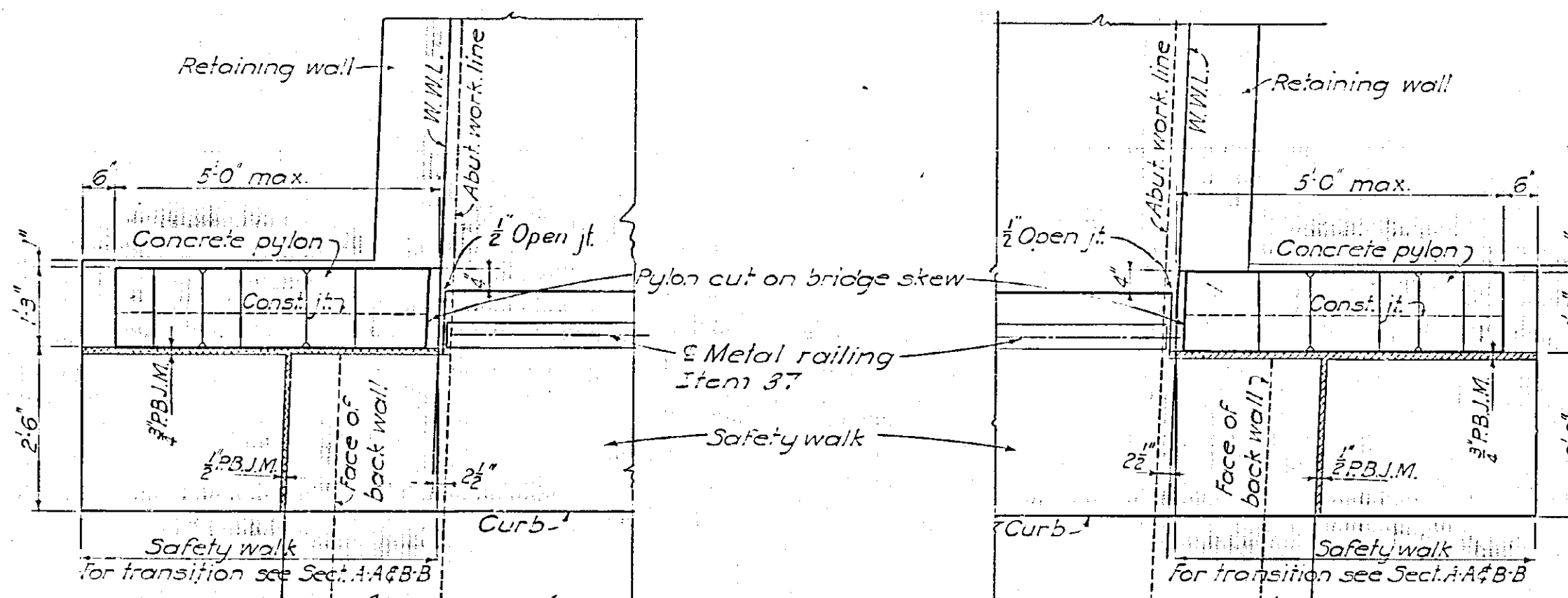
NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



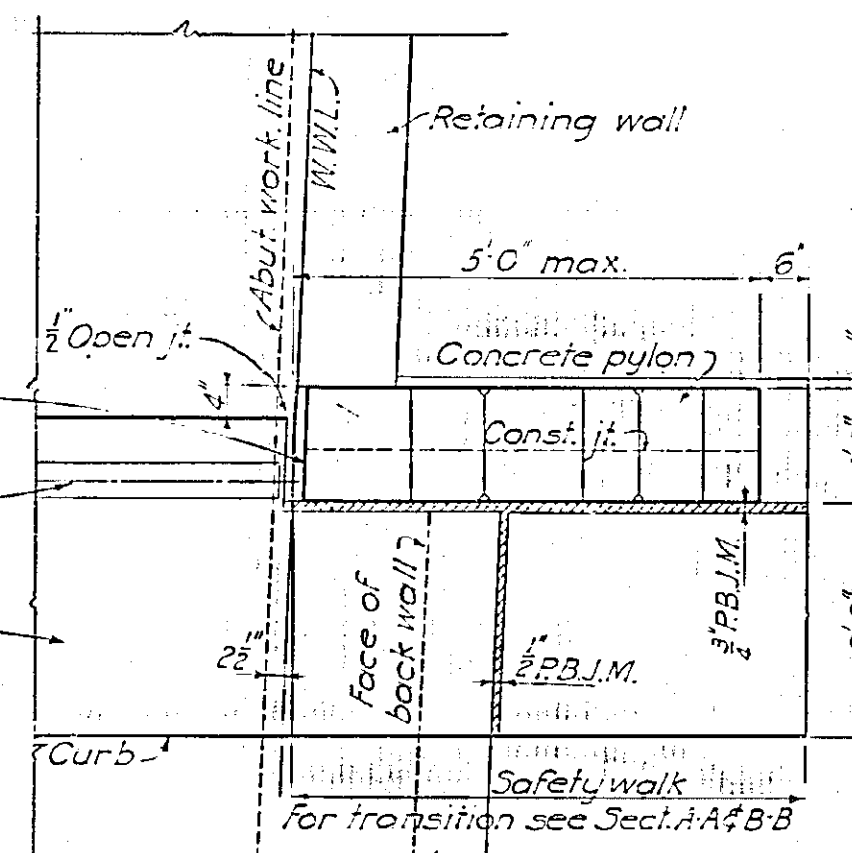
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Scale 1/8" = 1'-0"



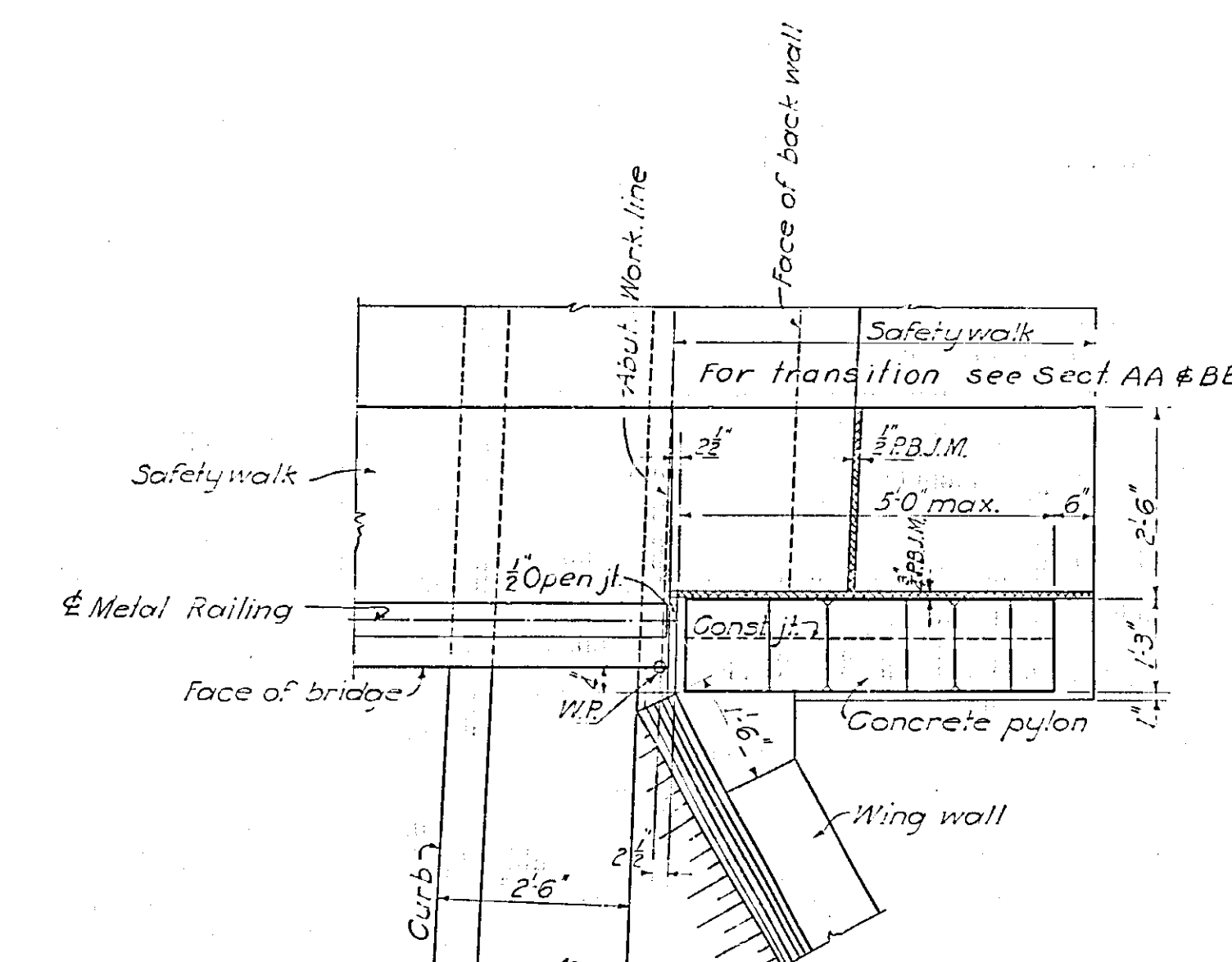
DETAIL PLAN
S.W. & N.E. PYLONS



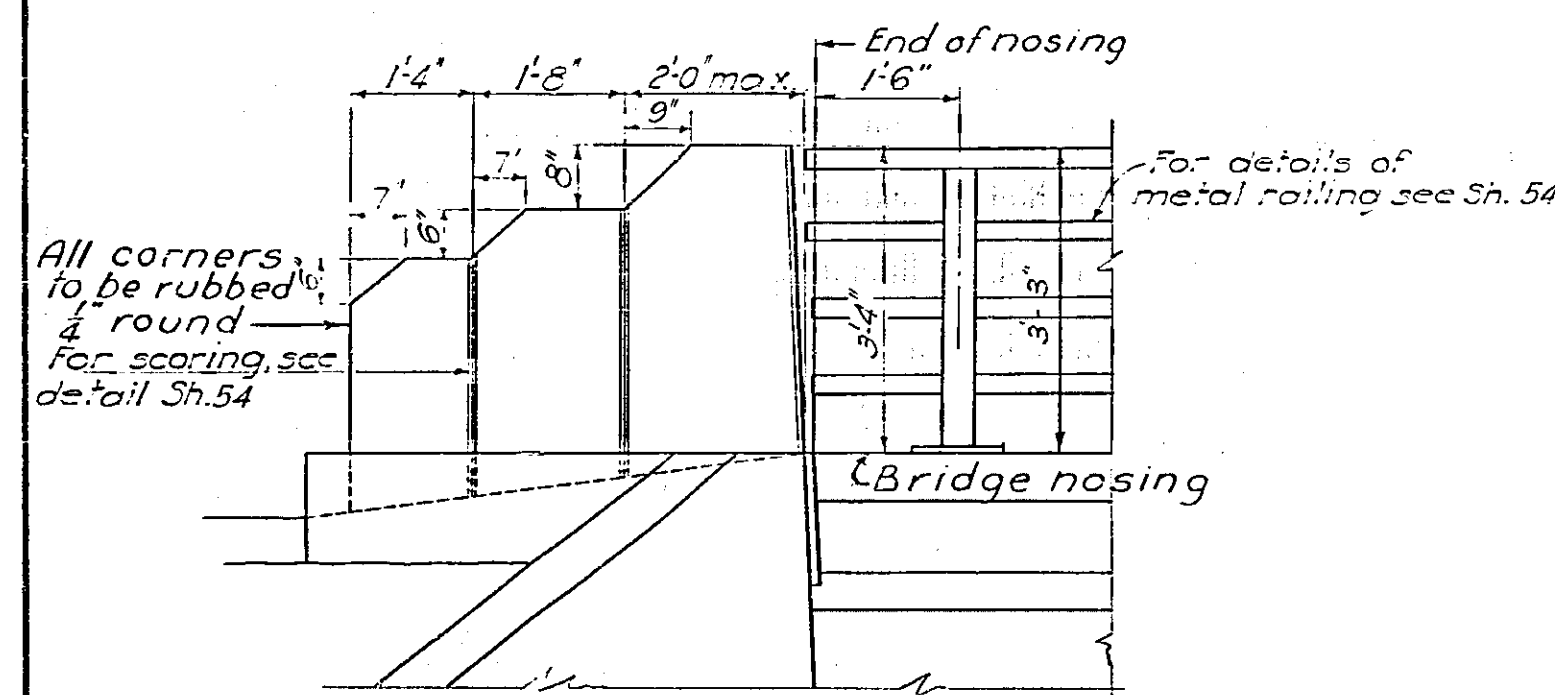
DETAIL PLAN
S.W. & N.E. INTERIOR PYLONS



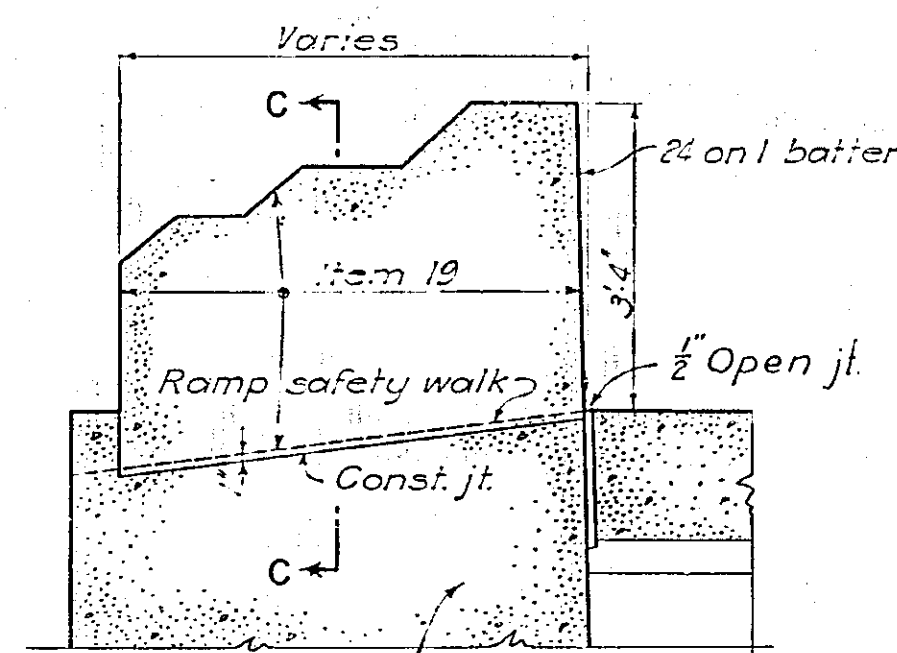
DETAIL PLAN
N.W. & S.E. INTERIOR PYLONS



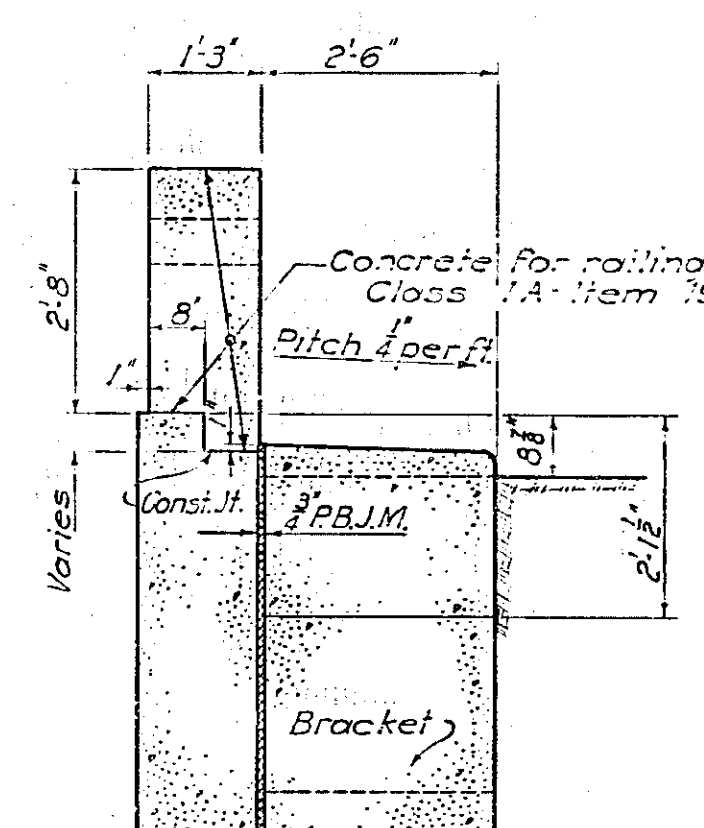
DETAIL PLAN
N.W. & S.E. PYLONS



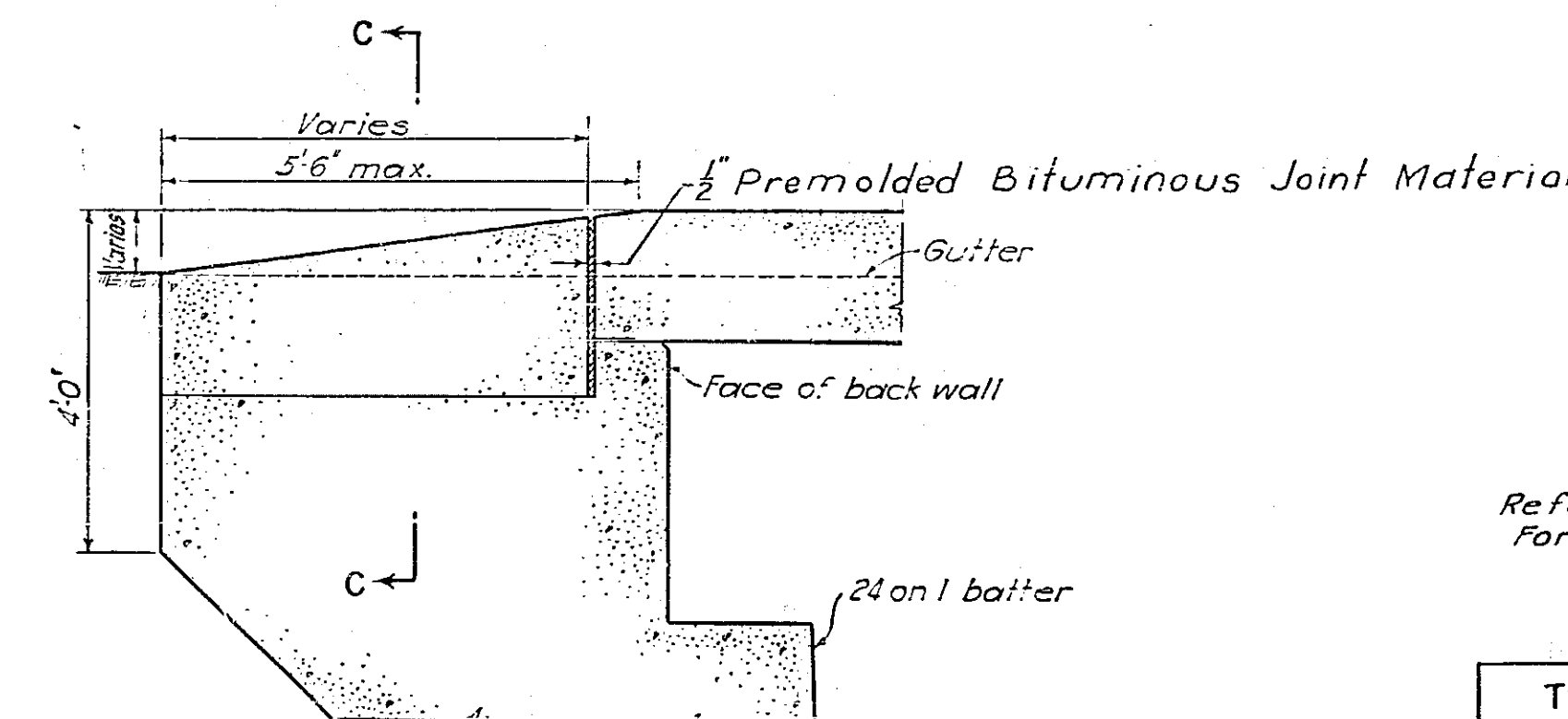
TYPICAL ELEVATION



TYPICAL SECTION A-A



TYPICAL SECTION C-C



TYPICAL SECTION B-B

In charge of *Harold A. Blauvelt*
Made by *Francis L. Brown*
Traced by *SV*
Checked by *SV*

References:
For General Notes, see Sh. 3

THRUWAY OVER COUNTY ROAD NO. 53
STRUCTURE NO. 5
ARCHITECTURAL ELEVATIONS & DETAILS

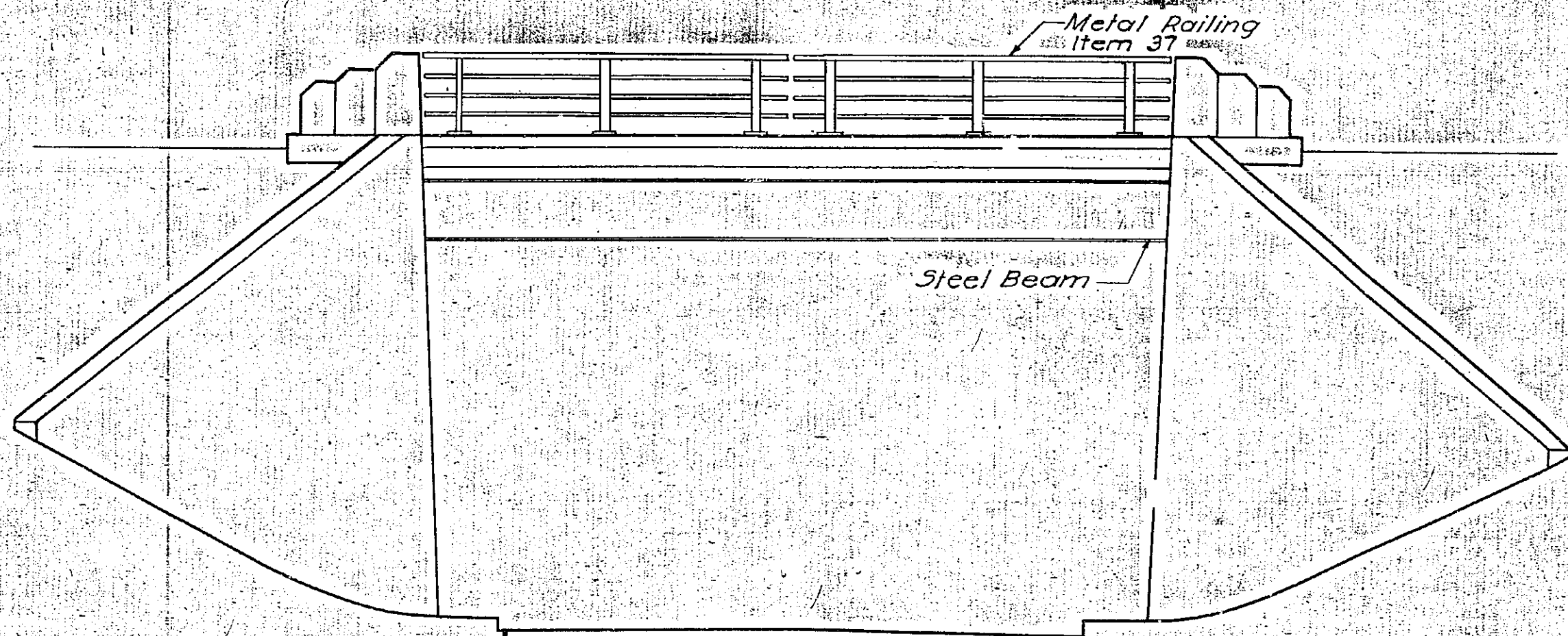
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13B-35	1/8" = 1'-0"	4-1-52	

PREPARED AND RECOMMENDED BY
Francis L. Brown P.E. 13144
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

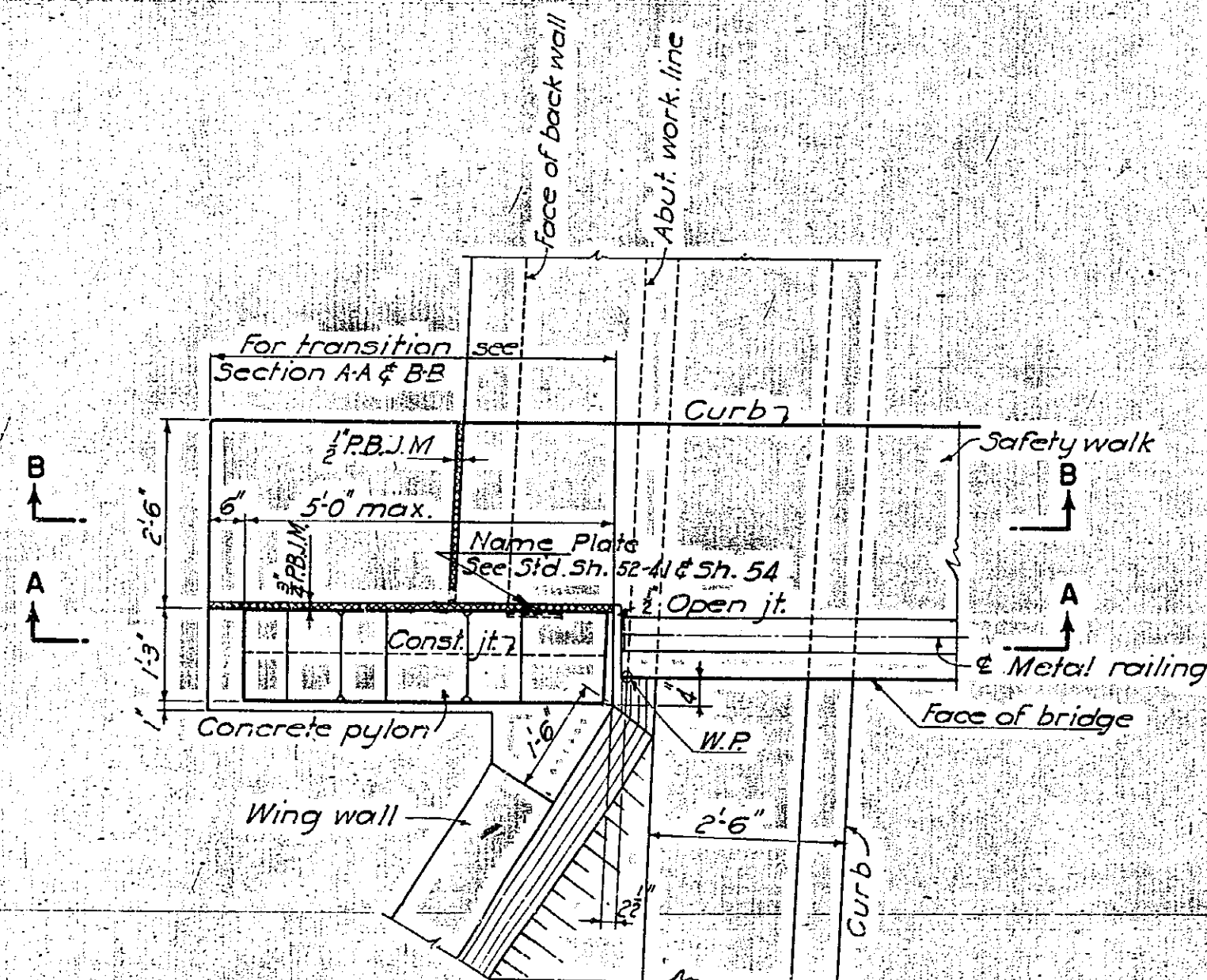
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	36	90

NEW YORK STATE THRUWAY - MOHAWK SECTION

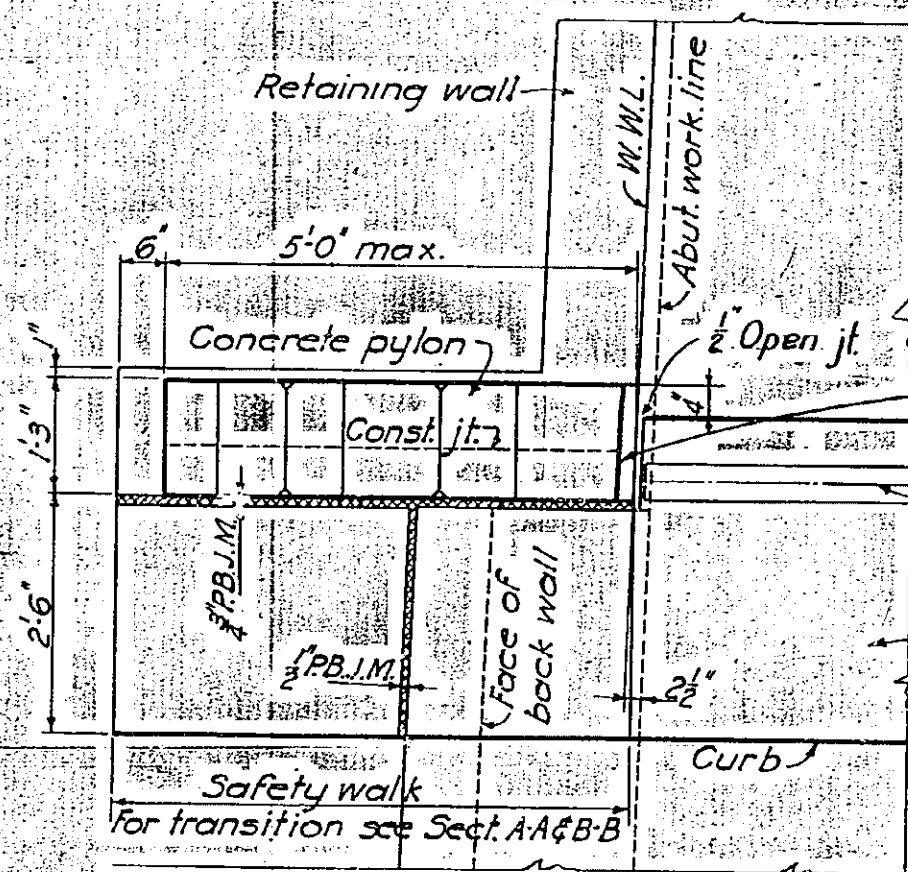
36R



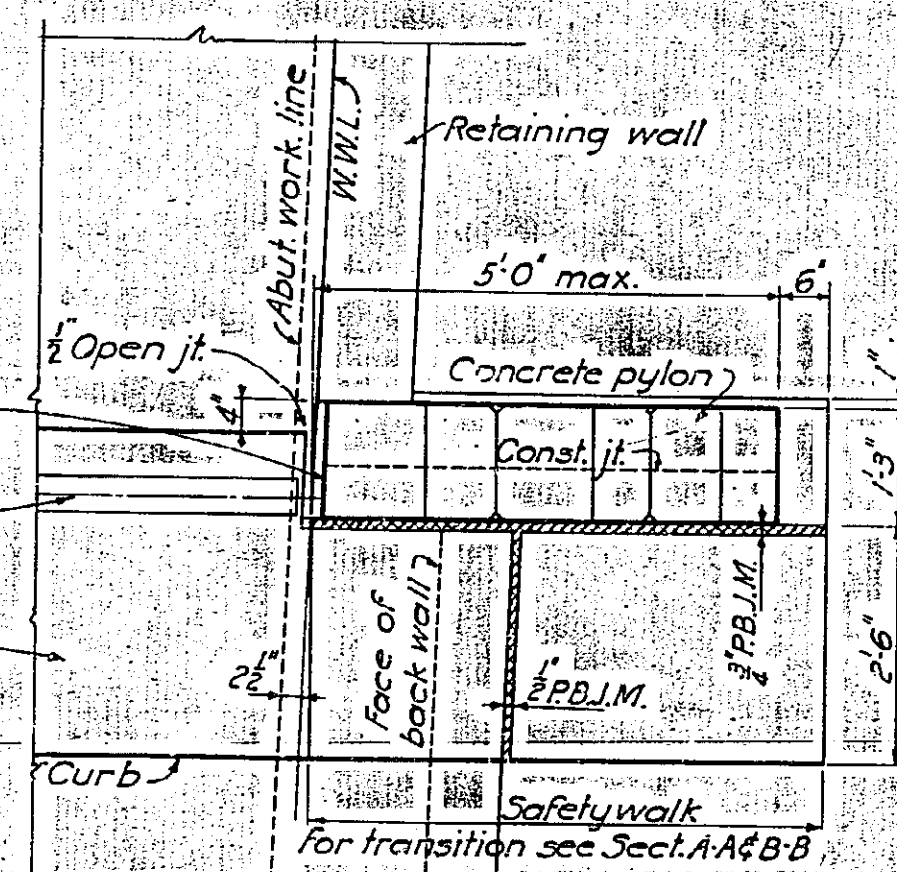
ELEVATION
Scale 3/8" = 1'-0"



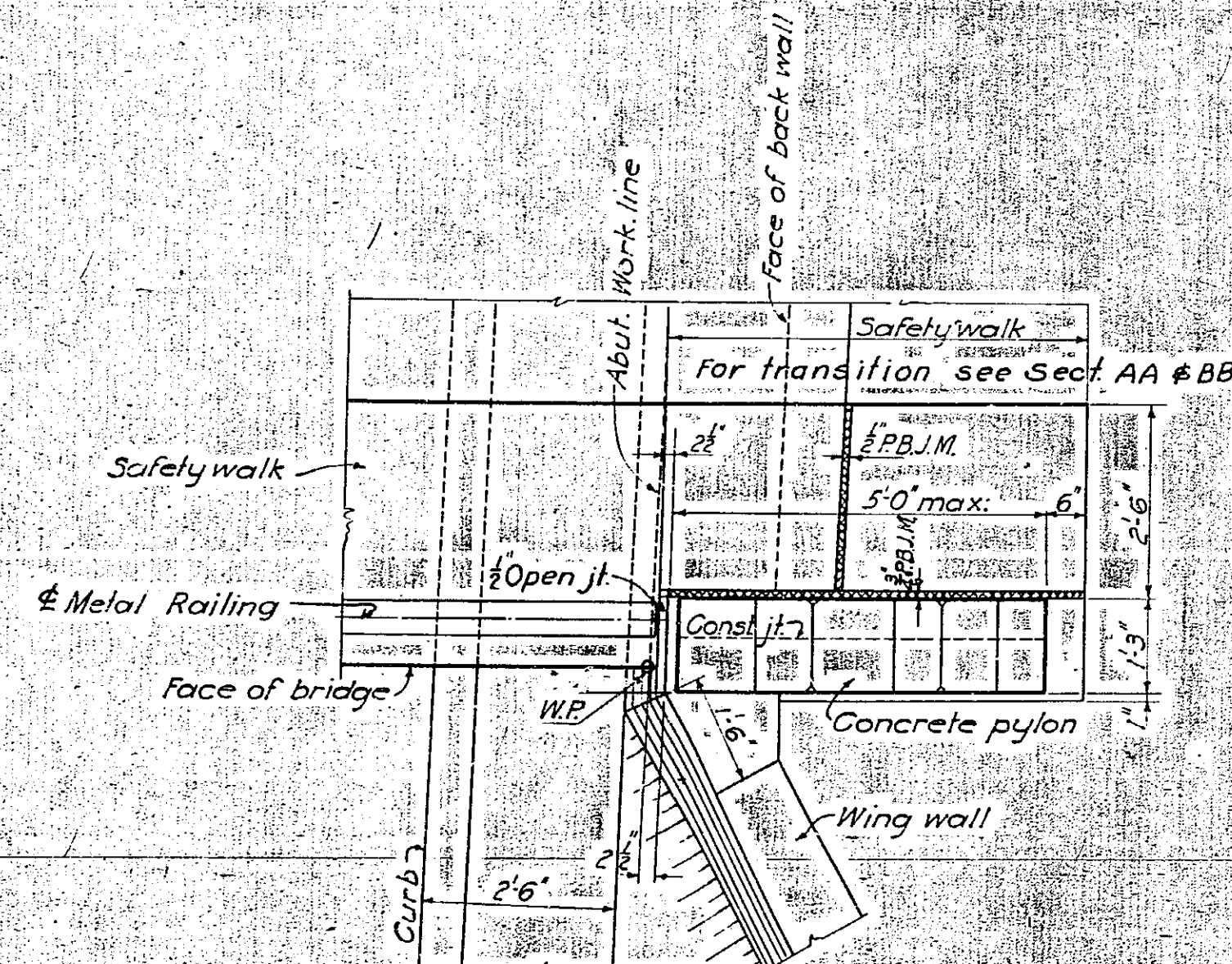
DETAIL PLAN
S.W. & N.E. PYLONS



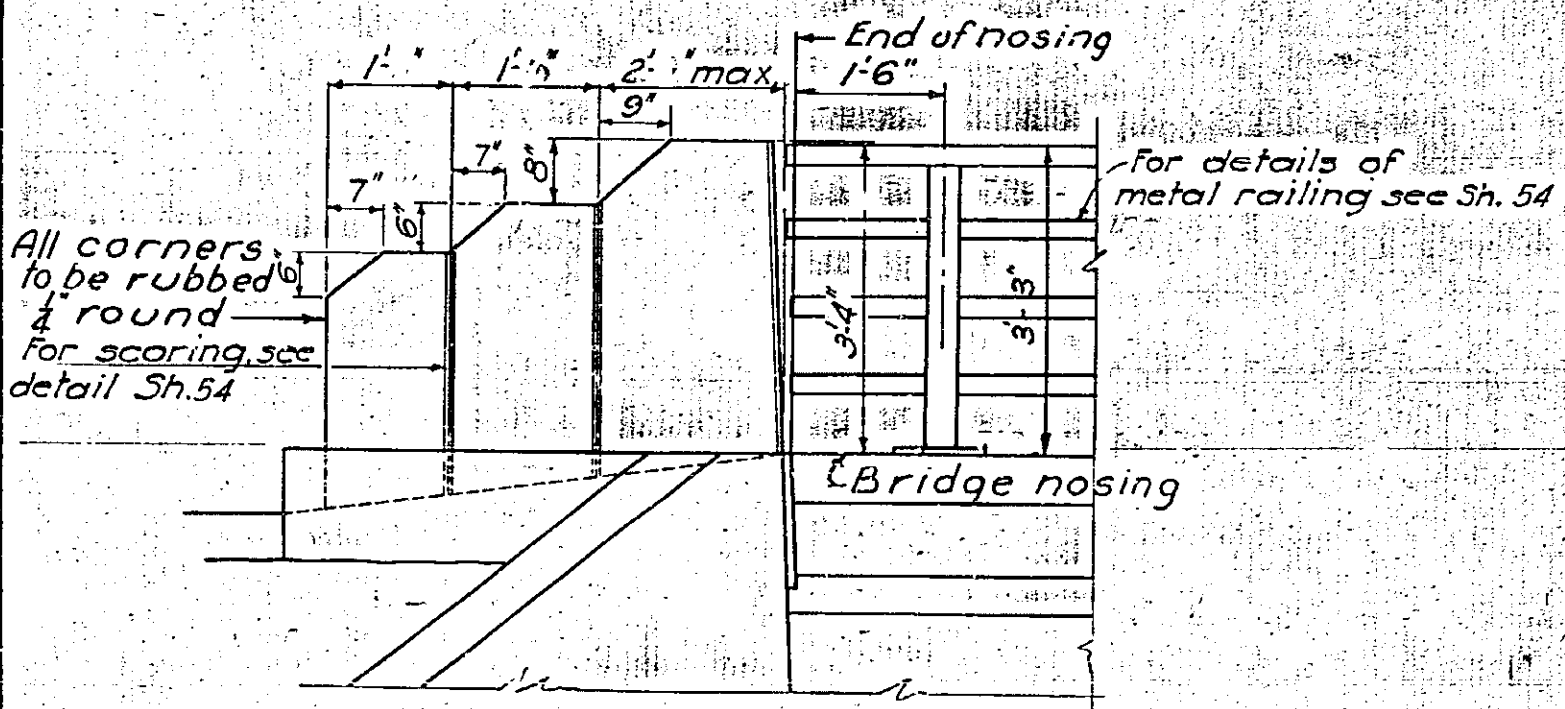
DETAIL PLAN
S.W. & N.E. INTERIOR PYLONS



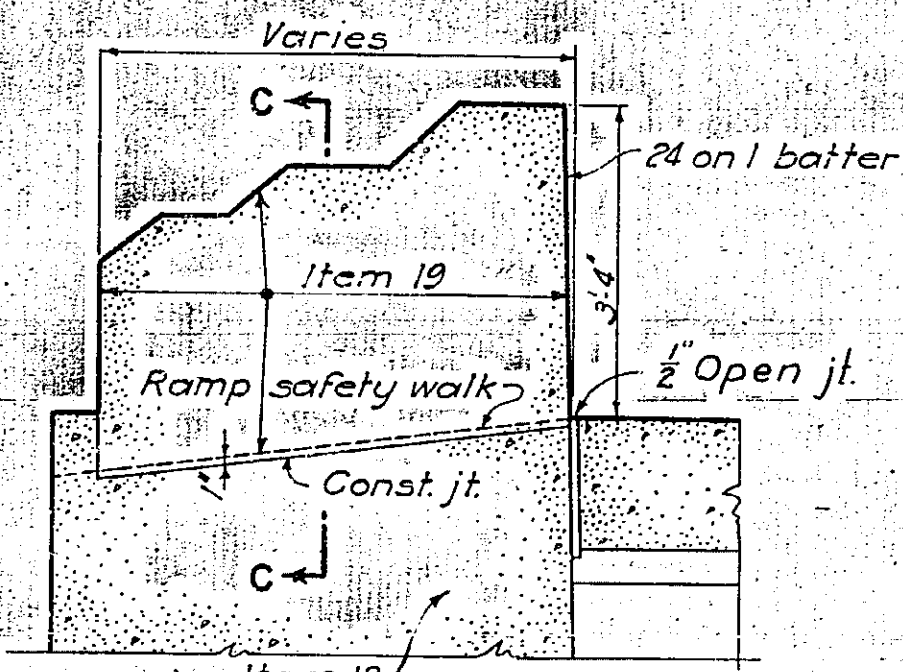
DETAIL PLAN
N.W. & S.E. INTERIOR PYLONS



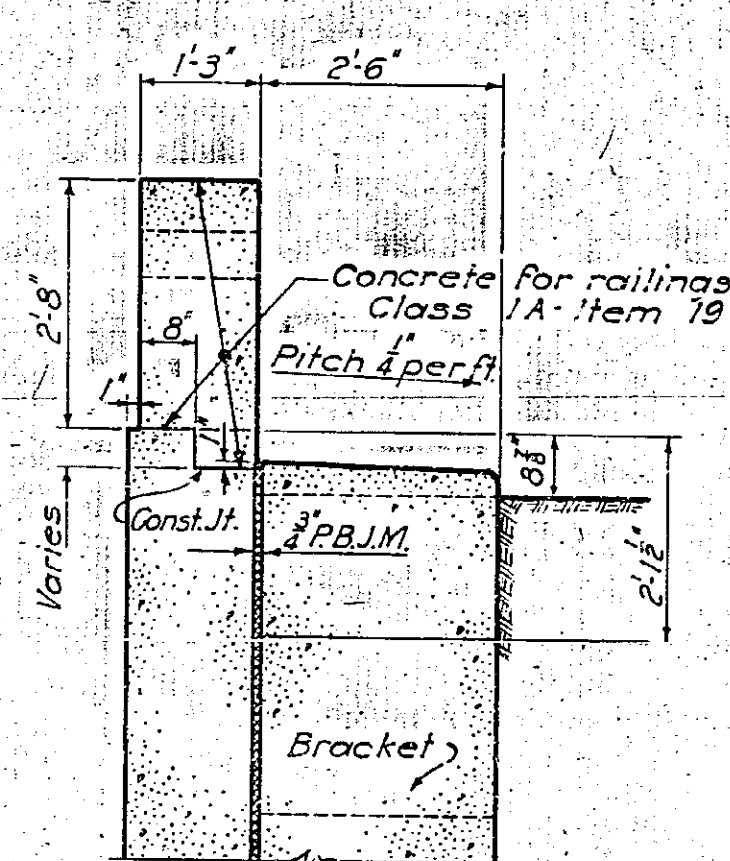
DETAIL PLAN
N.W. & S.E. PYLONS



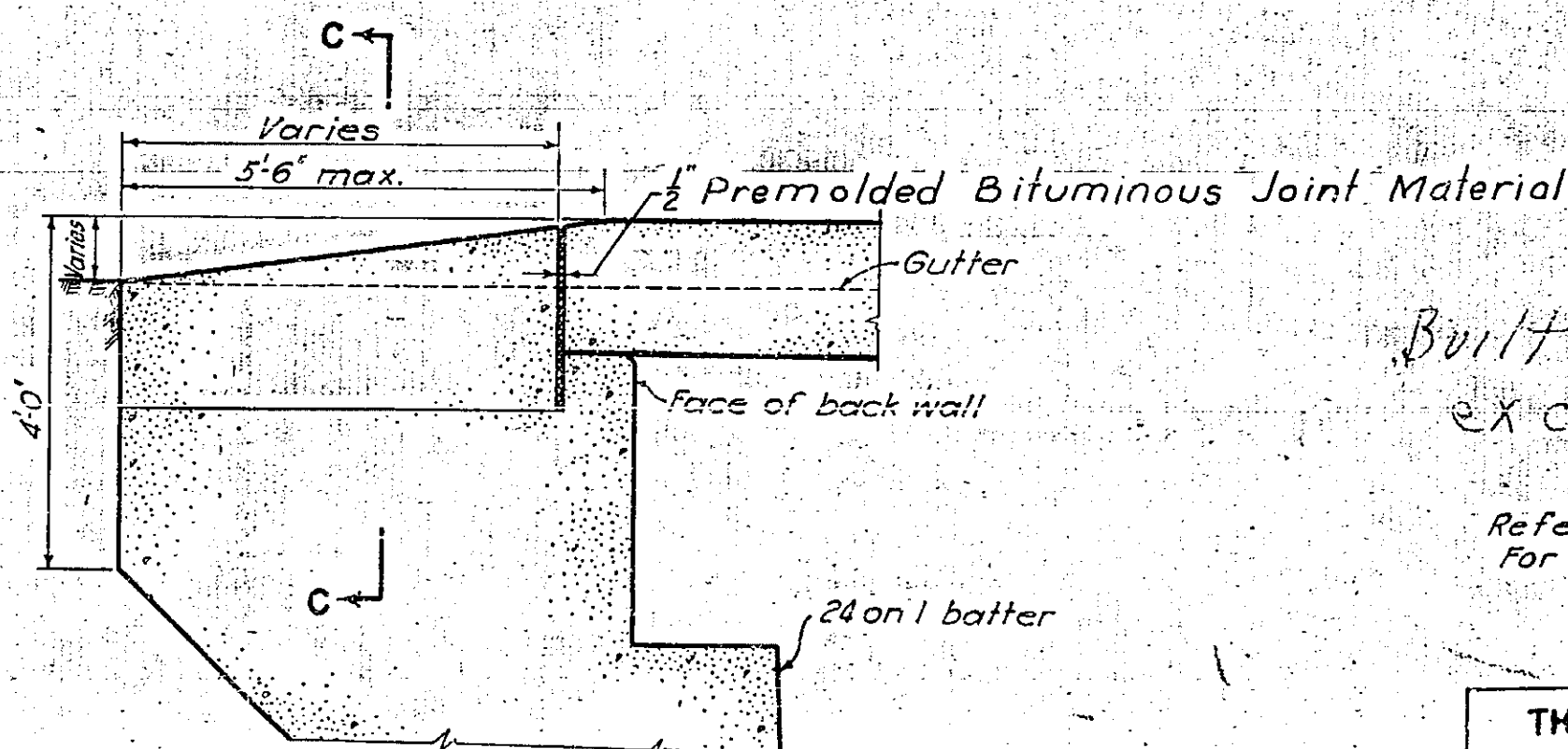
TYPICAL ELEVATION



TYPICAL SECTION A-A



TYPICAL SECTION C-C



TYPICAL SECTION B-B

Built as per plan
except as noted

References:
For General Notes, see Sh. 3

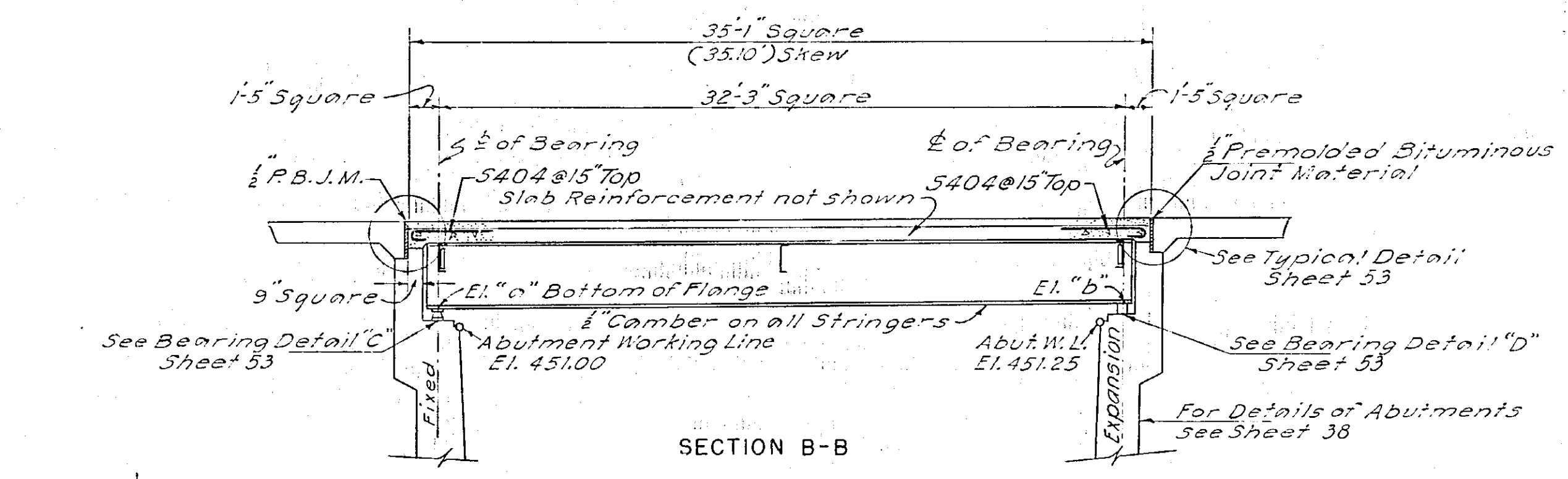
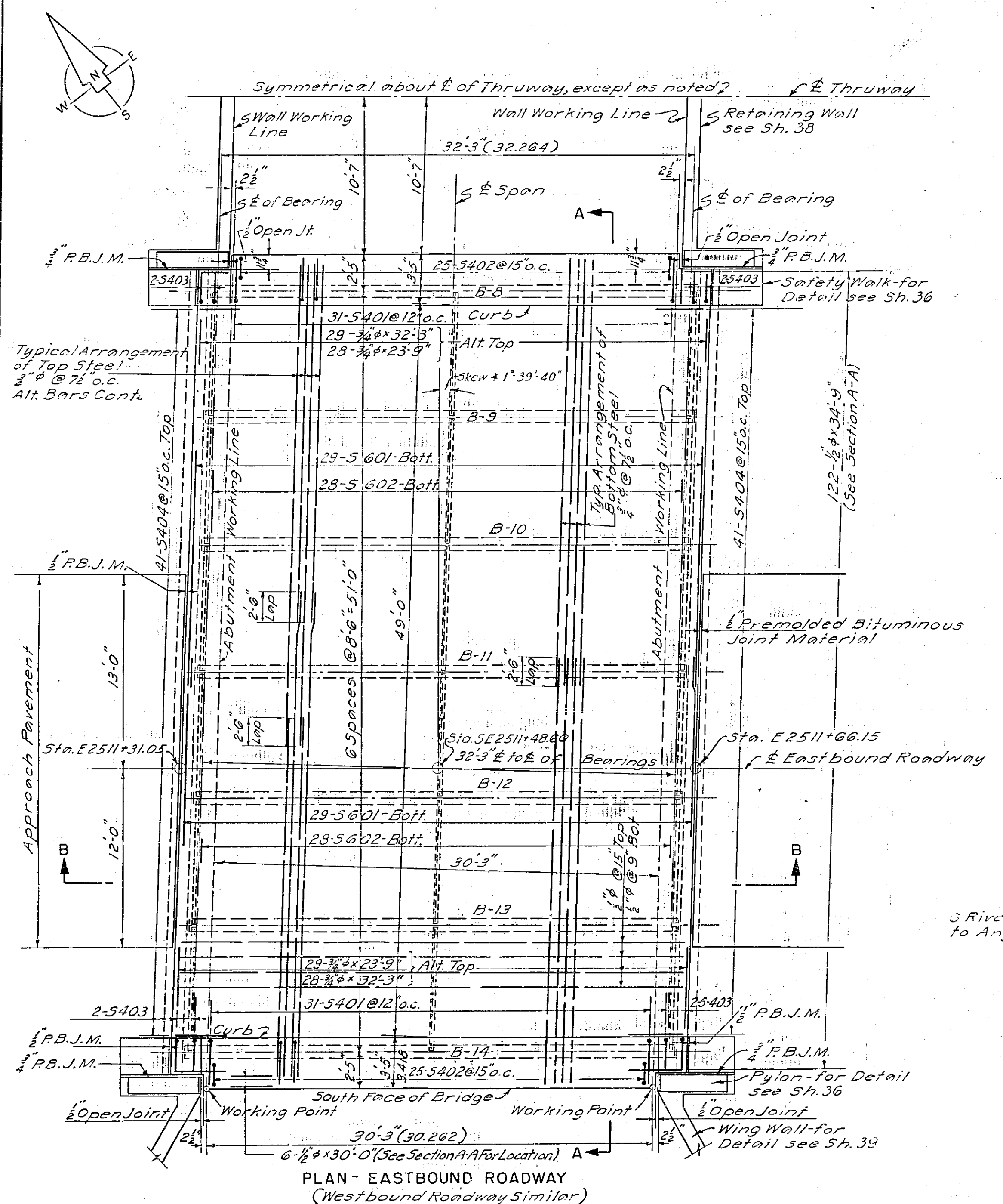
In charge of *Not Recessed*
Made by *5-16-52*
Traced by *SL*
Checked by *SL*

Francis R. Brown RE 13124

PREPARED AND RECOMMENDED:
Francis R. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-58
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

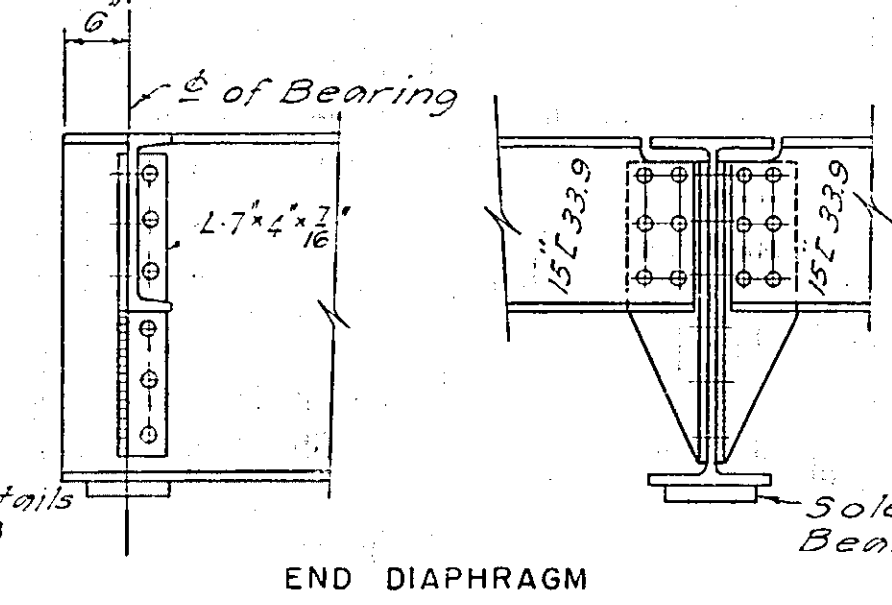
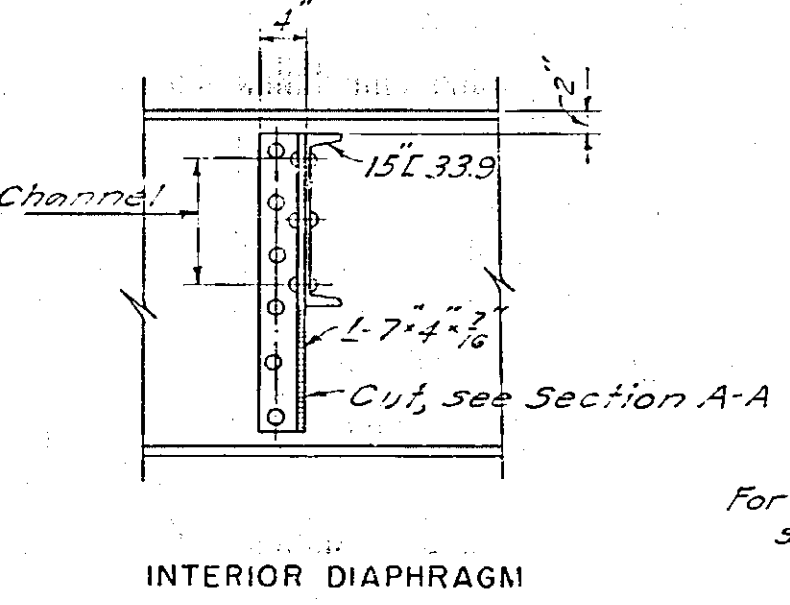
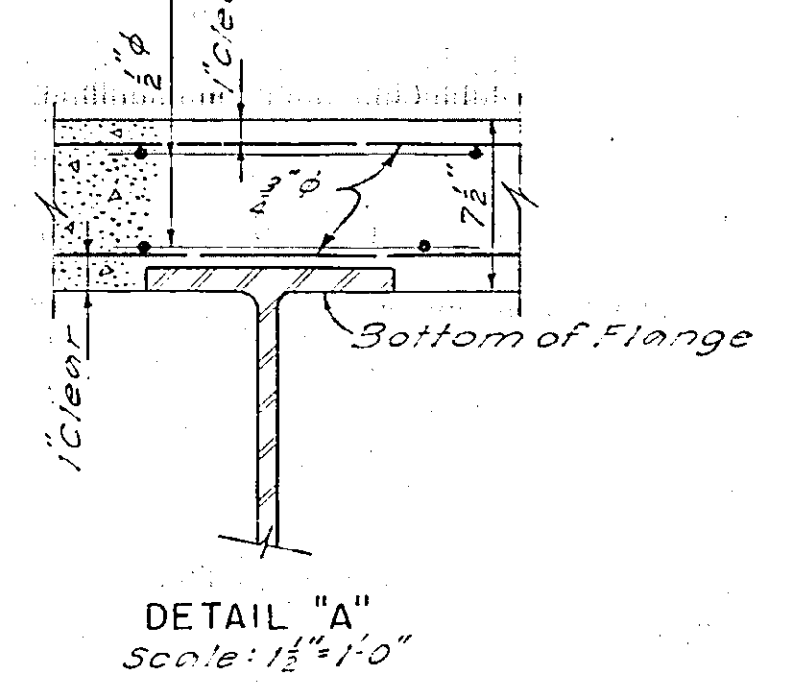
THRUWAY OVER COUNTY ROAD NO. 53 STRUCTURE NO. 5			
ARCHITECTURAL ELEVATIONS & DETAILS			
DWG. NO.	SCALE	DATE	ENGINEER
13B-35	3/4" = 1'-0" & as shown	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	37	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



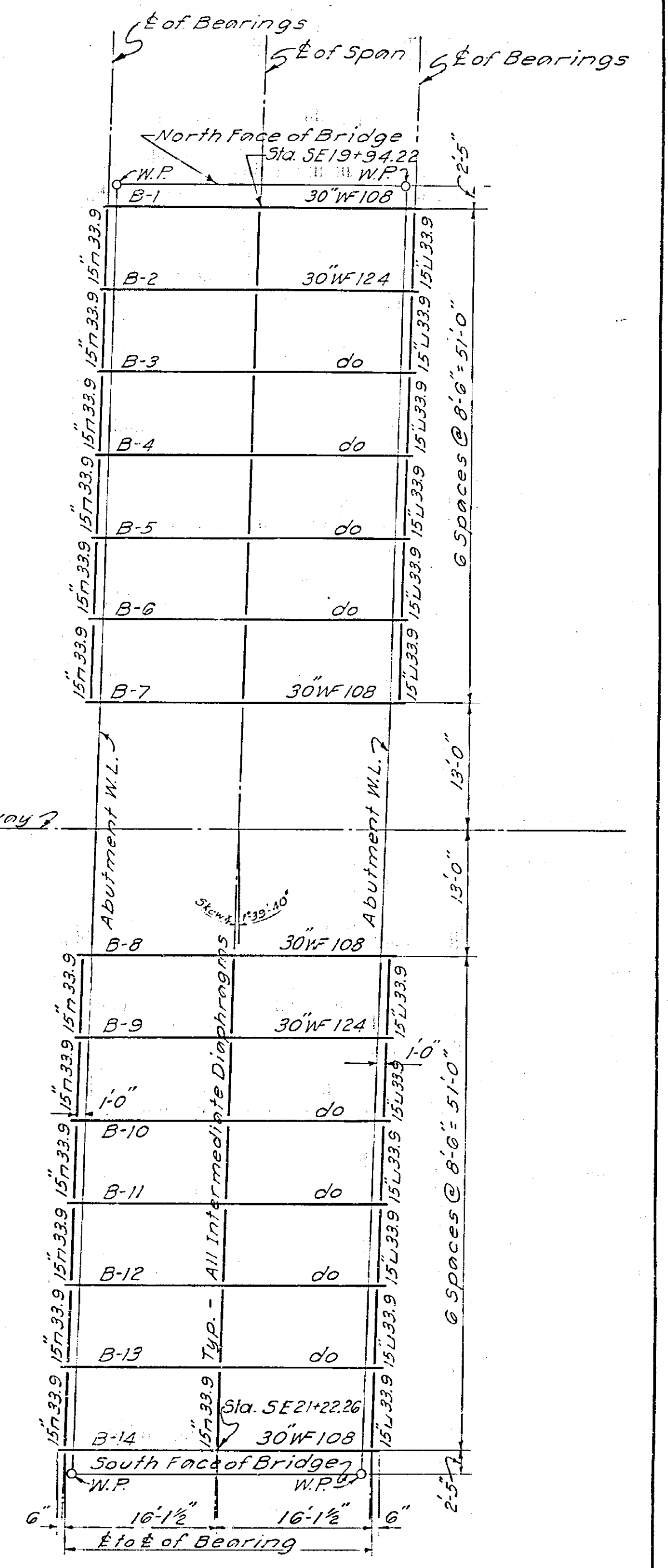
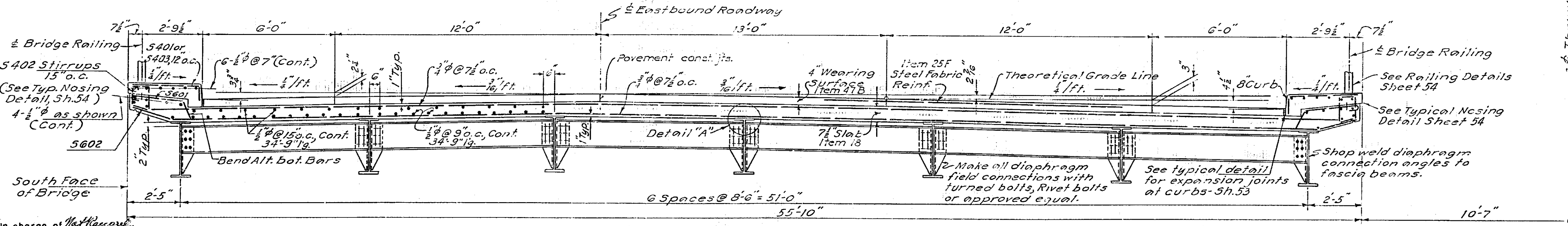
ELEVATIONS

Stringer Mark	West Abut. El. "a"	East Abut. El. "b"
B-1	451.93	452.17
B-2	452.10	452.34
B-3	452.23	452.47
B-4	452.15	452.39
B-5	452.01	452.25
B-6	451.88	452.12
B-7	451.66	451.90
B-8	451.65	451.89
B-9	451.87	452.11
B-10	452.00	452.24
B-11	452.14	452.38
B-12	452.21	452.45
B-13	452.07	452.31
B-14	451.90	452.14



DIAPHRAGM CONNECTION DETAILS
Scale: 3/4" = 1'-0"

Note: Immediately before placing the pavement concrete, the concrete surface or surfaces upon which it is to be placed shall be thoroughly wetted down continuously for one hour if the air temperature is above 50°F



FRAMING PLAN
Scale: 3/4" = 1'-0"

References:
For General Notes see Sheet 3

In charge of *Harold A. Blauvelt*
Made by *PL*
Traced by *PL*
Checked by *Harold A. Blauvelt*

SECTION A-A
EASTBOUND ROADWAY
(Westbound Roadway Similar)
Scale: 3/4" = 1'-0"

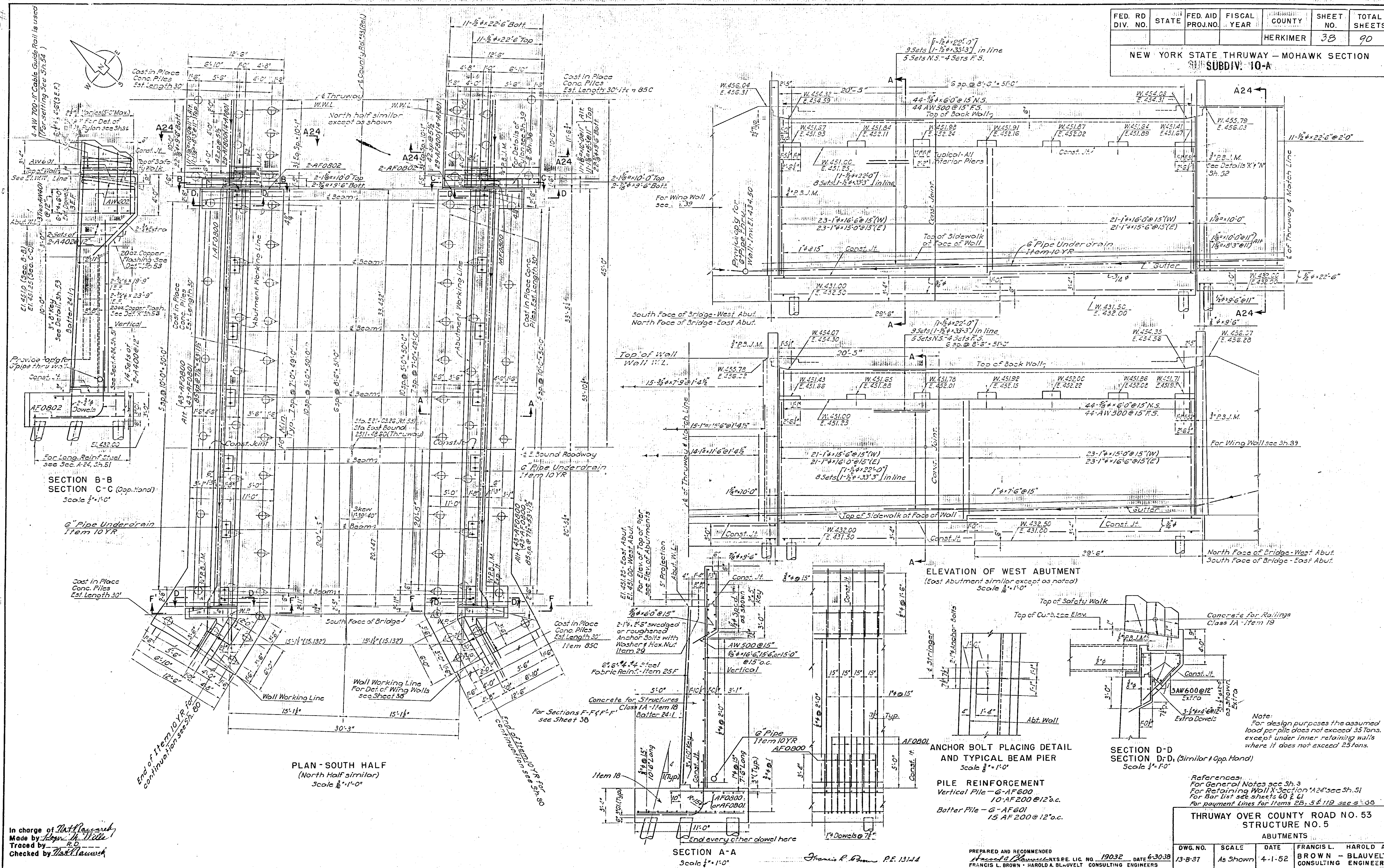
Francis L. Brown P.E. 13111

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

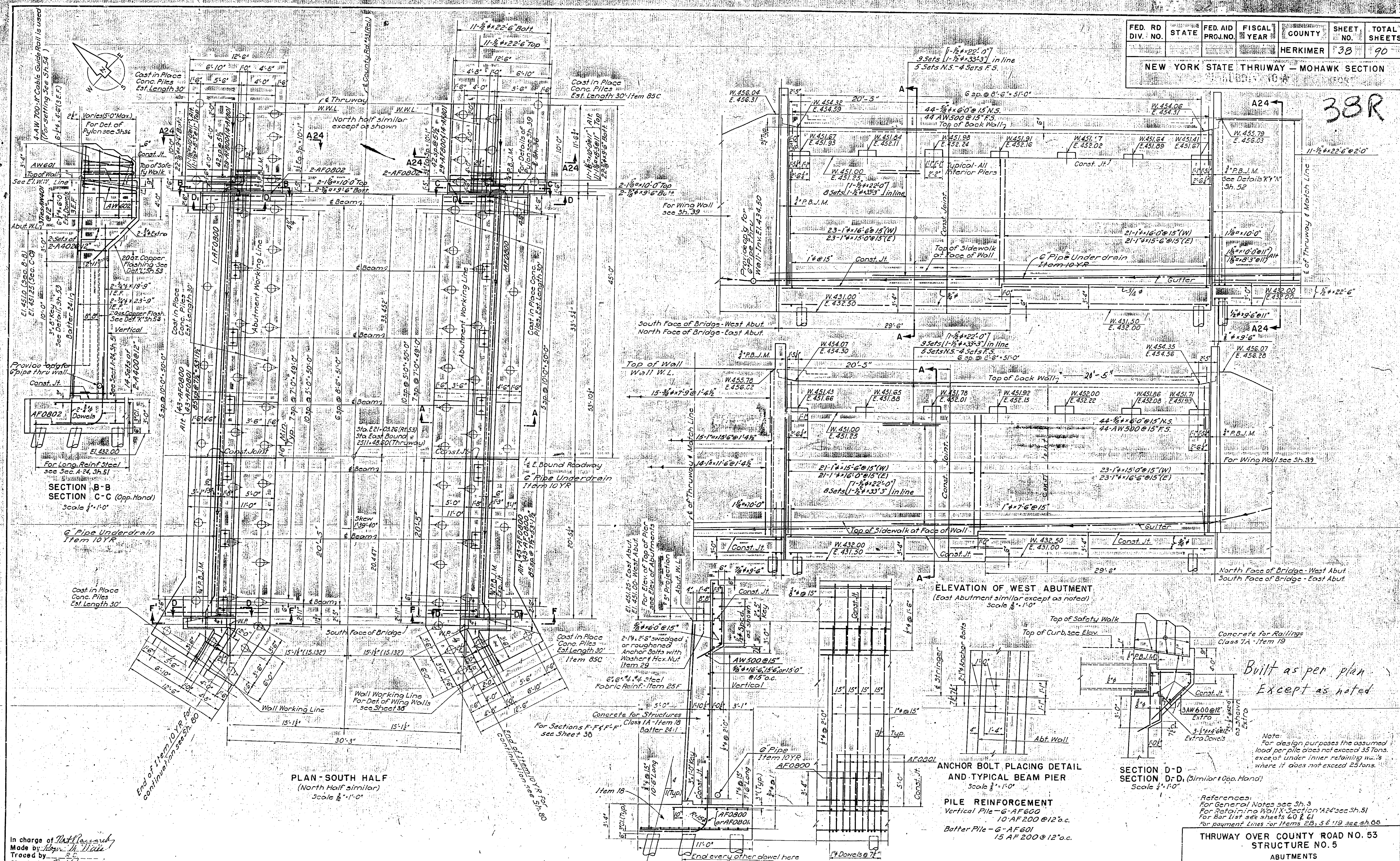
THRUWAY OVER COUNTY ROAD NO. 53				
STRUCTURE NO. 5				
FRAMING PLAN & DECK SLAB				
DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS	
13B-36	3/4" = 1'-0" (as noted)	4-1-52		

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	38	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



38R



In charge of *Math Research*
Made by *John H. Hilde*
Traced by *R.C.*
Checked by *Pat Law*

SECTION A-A
Scale 1/2" = 1'-0"

Francis R. Brown - P.E. 13144

PREPARED AND RECOMMENDED
Francis R. Brown - P.E. 13144
DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

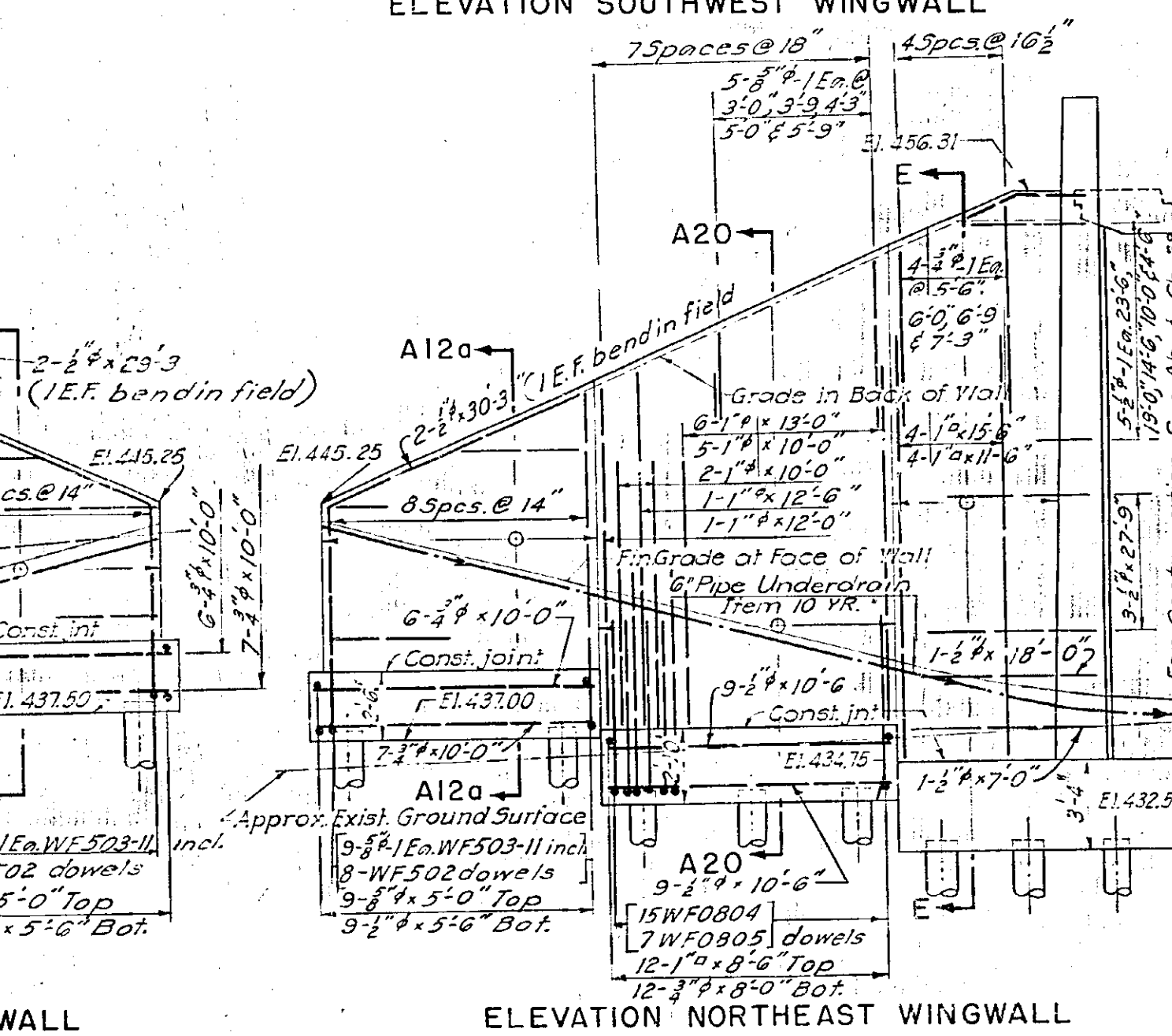
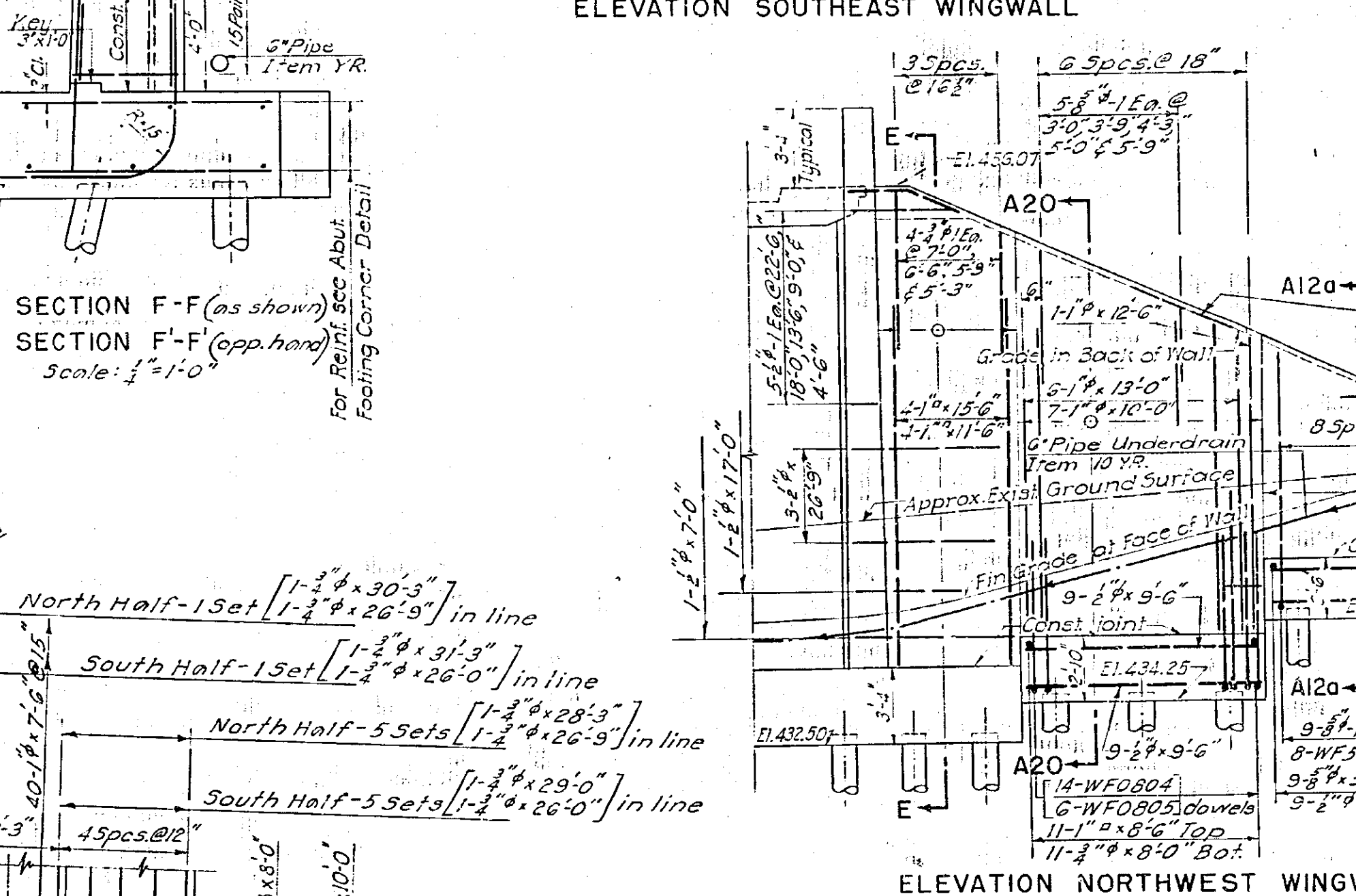
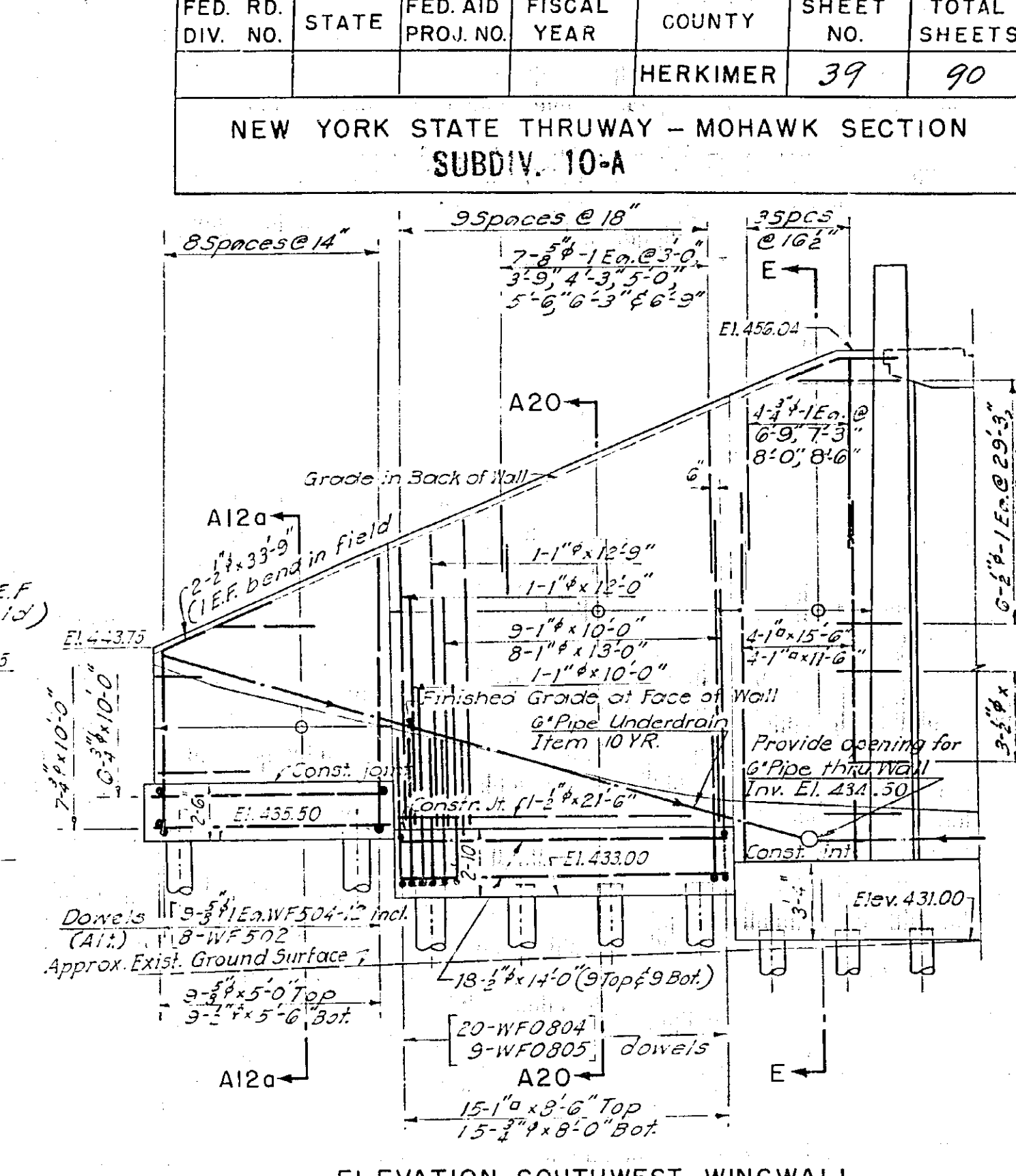
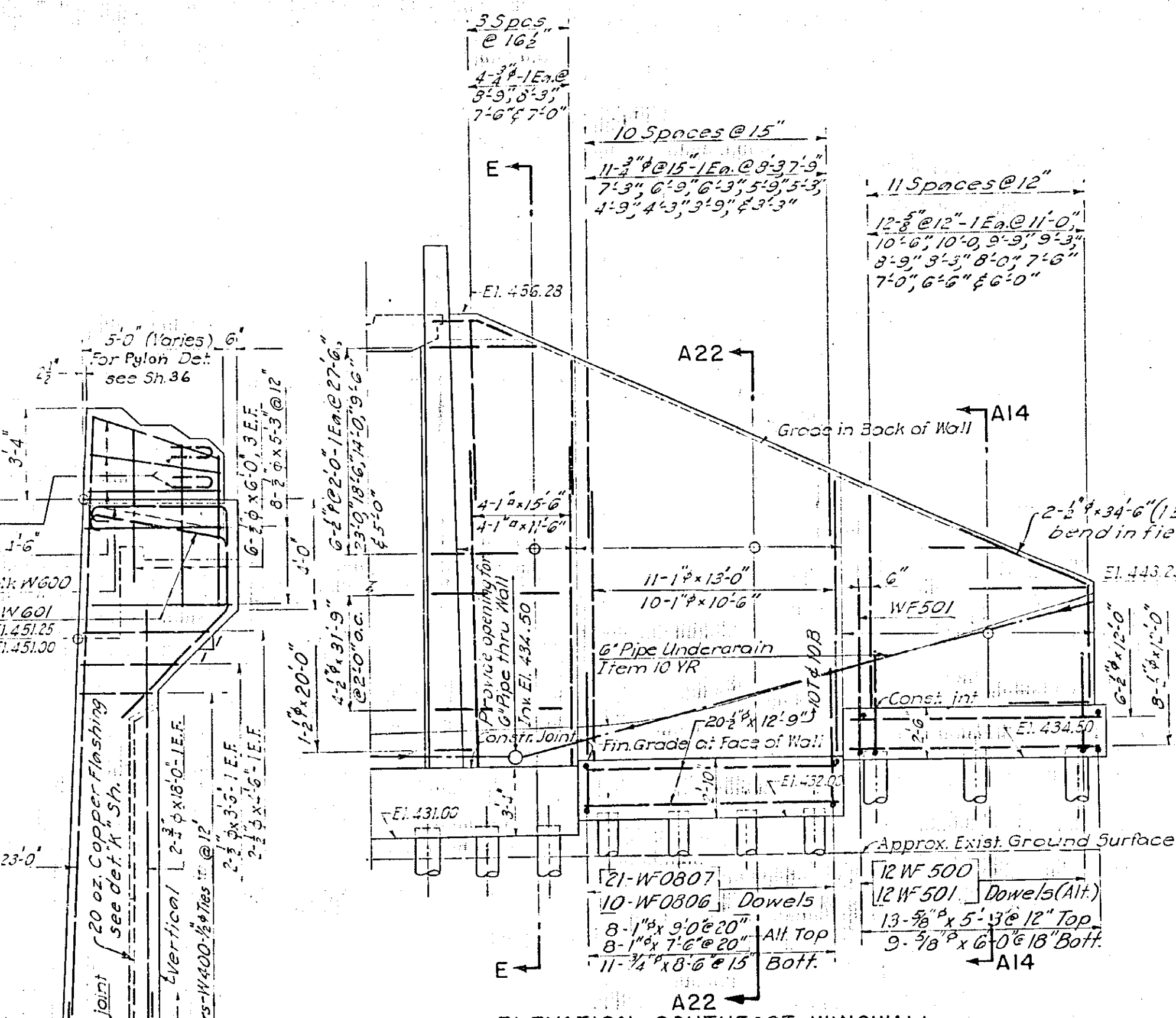
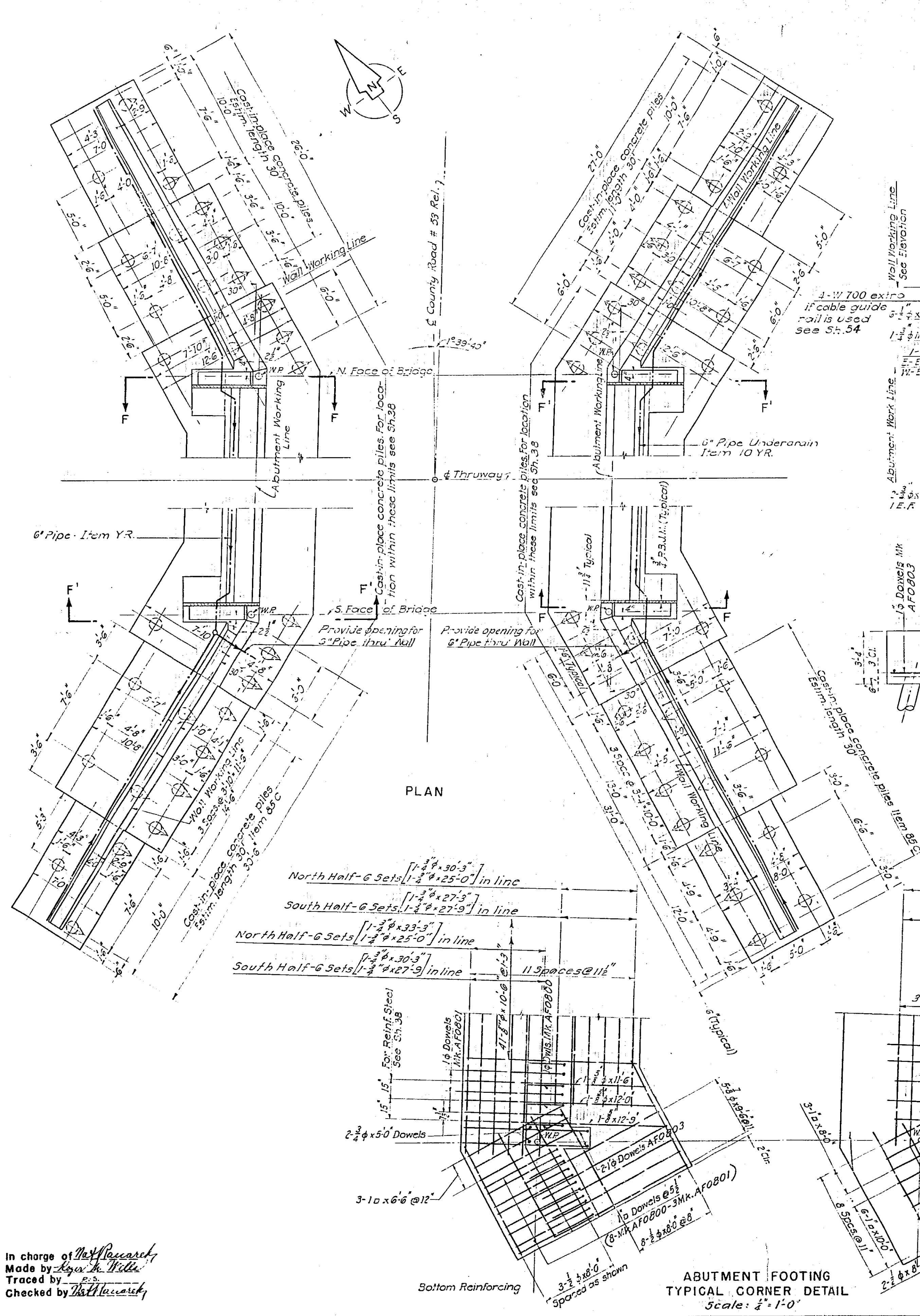
References:
For General Notes see Sh. 3
For Retaining Wall Section A24 see Sh. 51
For Bar List see sheets 60 & 61
For Payment Lines for Items 2B, 3 & 119 see Sh. 68

THRUWAY OVER COUNTY ROAD NO. 53
STRUCTURE NO. 5

DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEER
13-B-37	As Shown	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	39	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



PILE REINFORCEMENT
 6-WF 600
 Vertical Pile - 10-WF 200 @ 12"
 6-WF 601
 Batter Pile - 15-WF 200 @ 12"

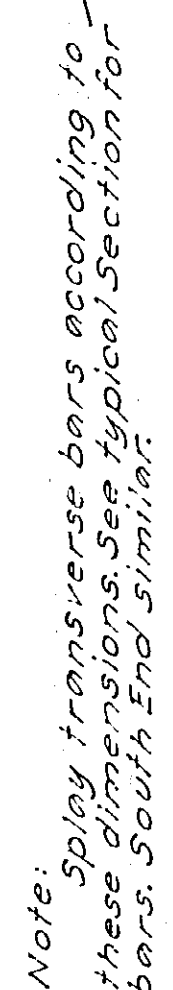
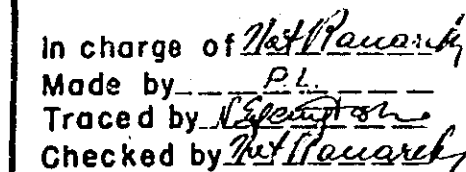
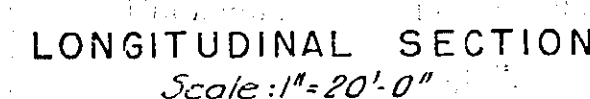
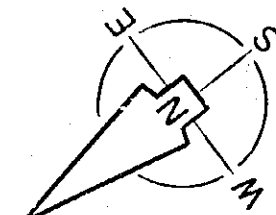
Note:
 For design purposes the assumed load per pile under wingwalls does not exceed 25 tons

References:
 For General Notes see Sheet 3
 For Retaining Wall Cross-Sections A-20, A-14 & A-12a see Sh. 54
 For Bar List see Sh. 60 & 61
 For payment lines for Items 2, 5 & 119 see Sh. 66

In charge of *W. J. Ranshaw*
 Made by *W. J. Ranshaw*
 Traced by *W. J. Ranshaw*
 Checked by *W. J. Ranshaw*

THRUWAY OVER COUNTY ROAD NO. 53 STRUCTURE NO. 5			
WINGWALLS			
DWG. NO.	SCALE	DATE	ENGINEERS
18-B-38	$\frac{1}{8}'' = 1'-0''$ & As Shown	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PREPARED AND RECOMMENDED:
W. J. Ranshaw N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-58
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS



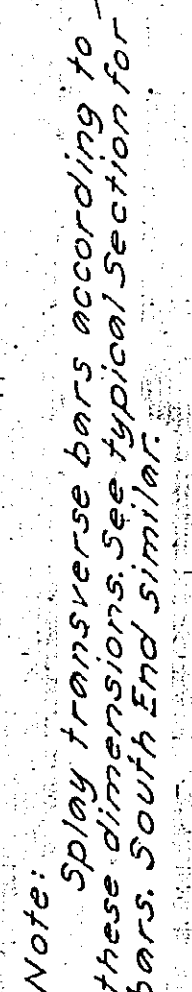
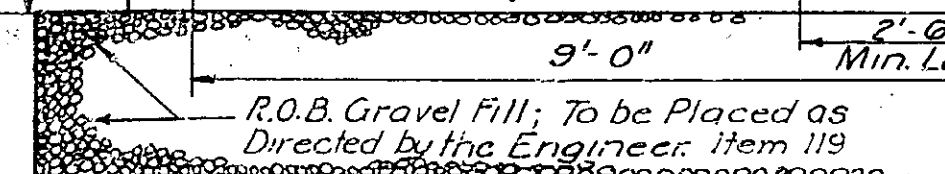
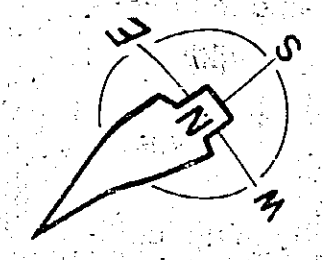
PLAN OF NORTH END
Scale: $\frac{1}{4}'' = 1'-0''$

References:
For General Notes See Sh. 3
For Elevations & Details See Sh. 41
For Section A-A see Sh. 42
For Std. Guide Rail Item 33D see S'td. Shs.
For Bar List see Sh. 61
For Payment Item for Items 25, 5 & 19 see Sh. 88
For Scheduling to be shown on Std. Sh. 50, 34, except
as otherwise shown on this plan.
For Details of Rurap see Sheet 87

THRUWAY OVER BRIDENBAKER CREEK
STRUCTURE NO.6
PLAN & SECTIONS

DWG. NO. 13B-39	SCALE As Noted	DATE 4-1-52	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS
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40R



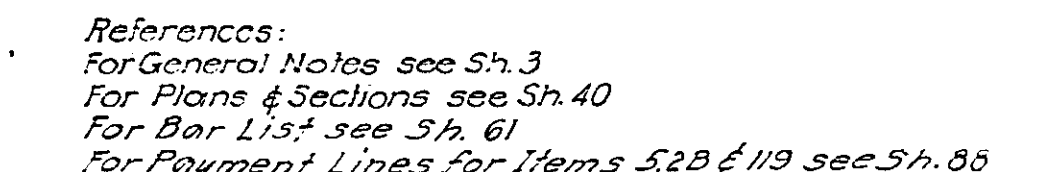
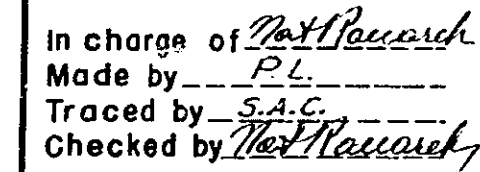
PLAN OF NORTH END
Scale: $\frac{1}{4}'' = 1'-0''$

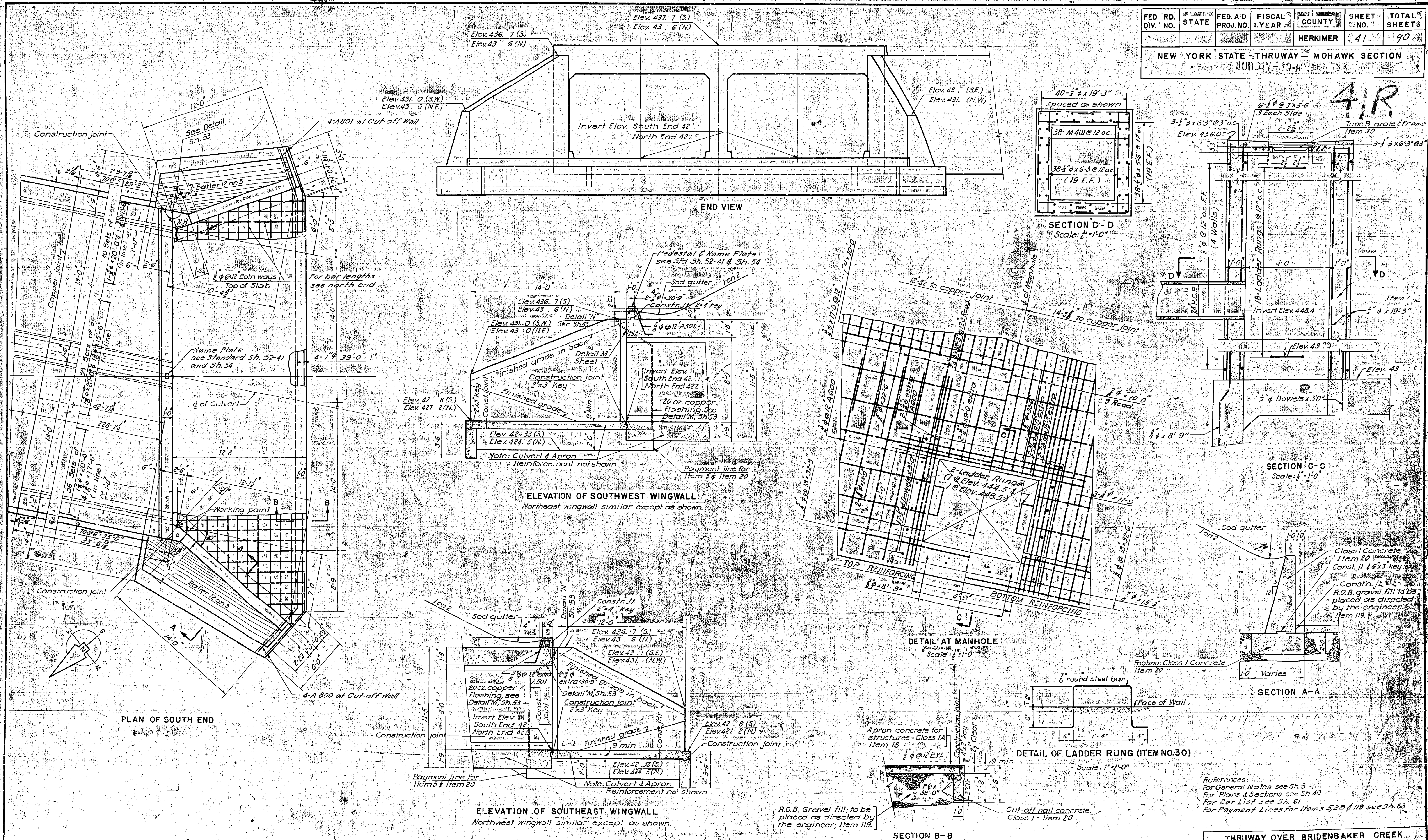
Accepted as noted

References:
For General Notes See Sh. 3
For Elevations & Details See Sh. 41
For Section A-A see Sh. 41
For S'rd. Guide Rail Item 33D see S'rd. Shs.
For Bar List see Sh. 61
For Payment Lines for Items 2B, 5 & 119 see Sh. 88
Details of Sodding to be shown on S'rd. Sh. 50, 34, except
as otherwise shown on this sheet.
For Details of Riprap see Sheet 87

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-33
FRANCIS I. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS

DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD BROWN - BLAUVEL CONSULTING ENGINEER
133-39	As Noted	4-1-52	





In charge of Nat. Rancard
Made by P.L.
Traced by S.A.C.
Checked by Nat. Rancard

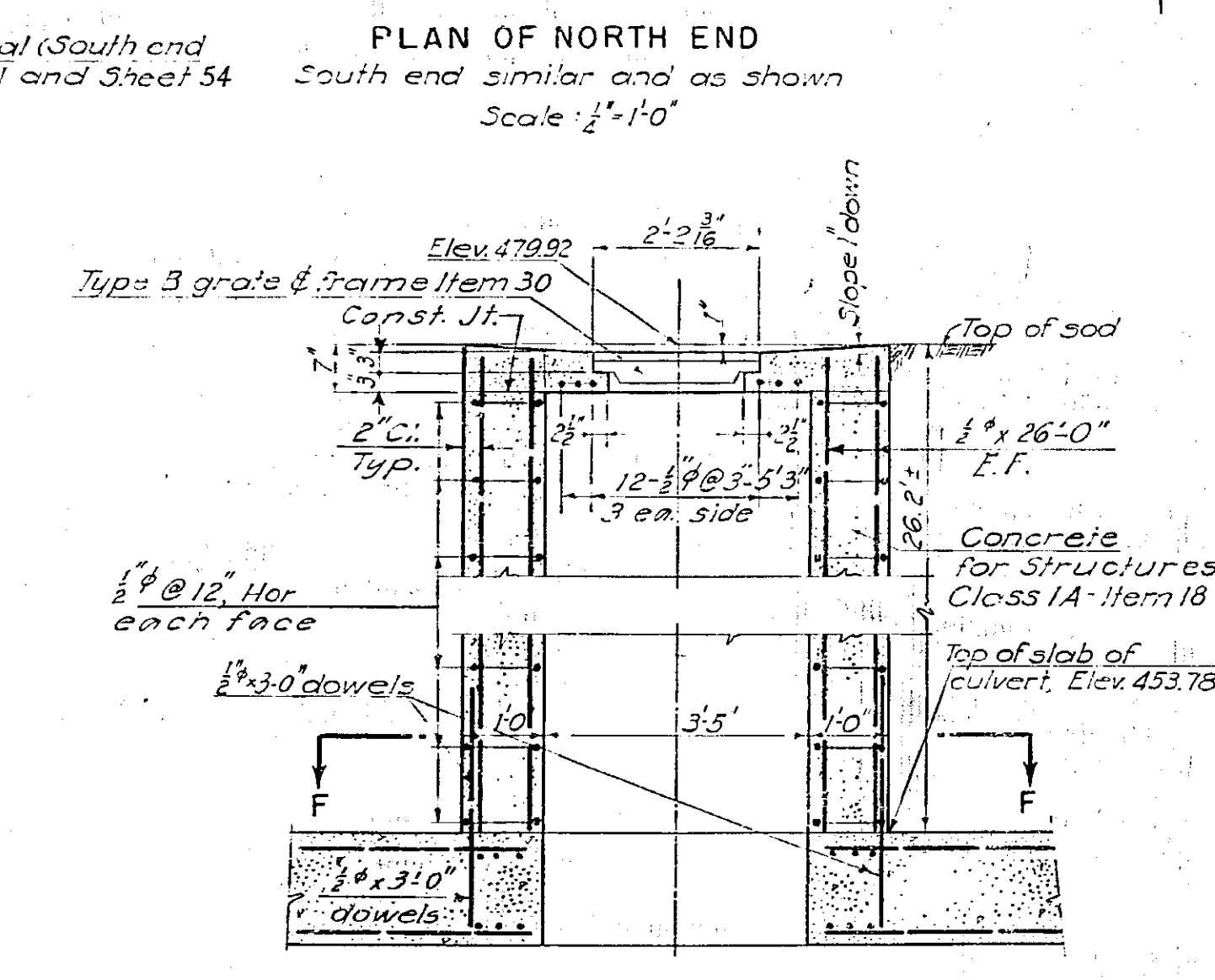
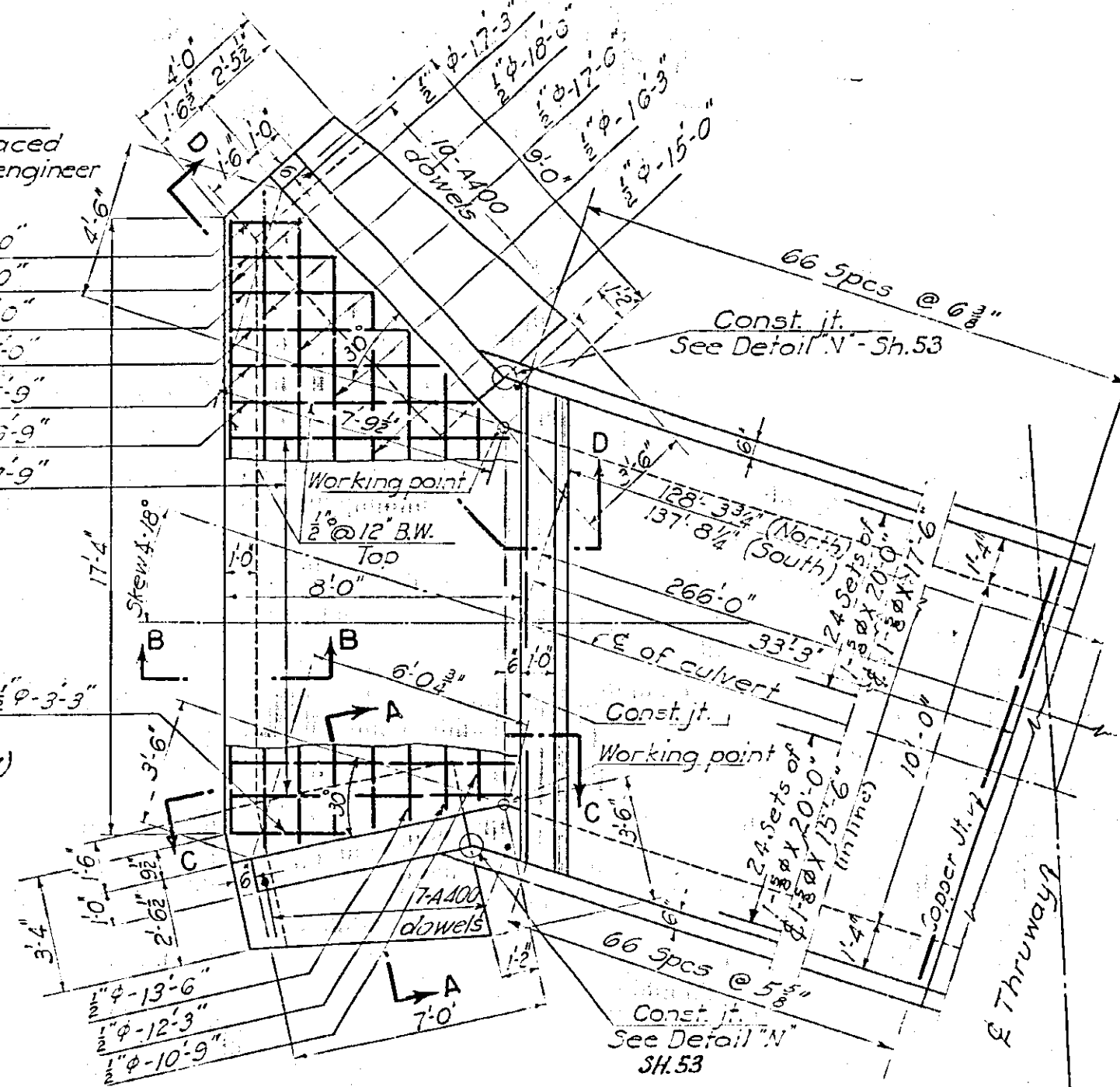
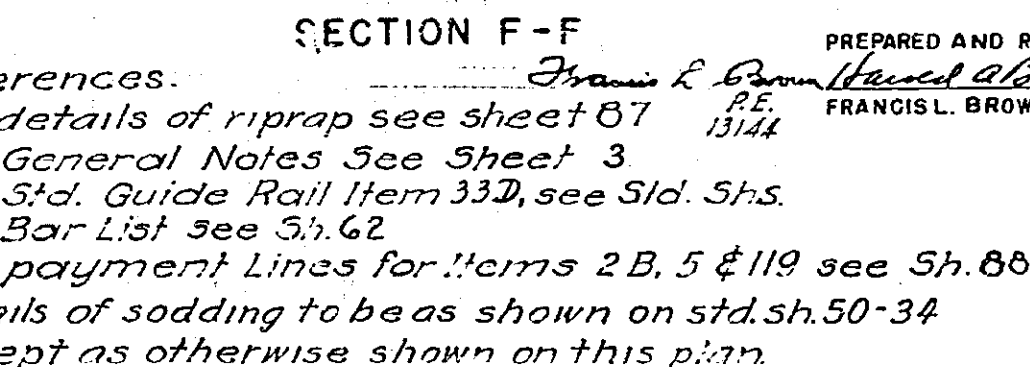
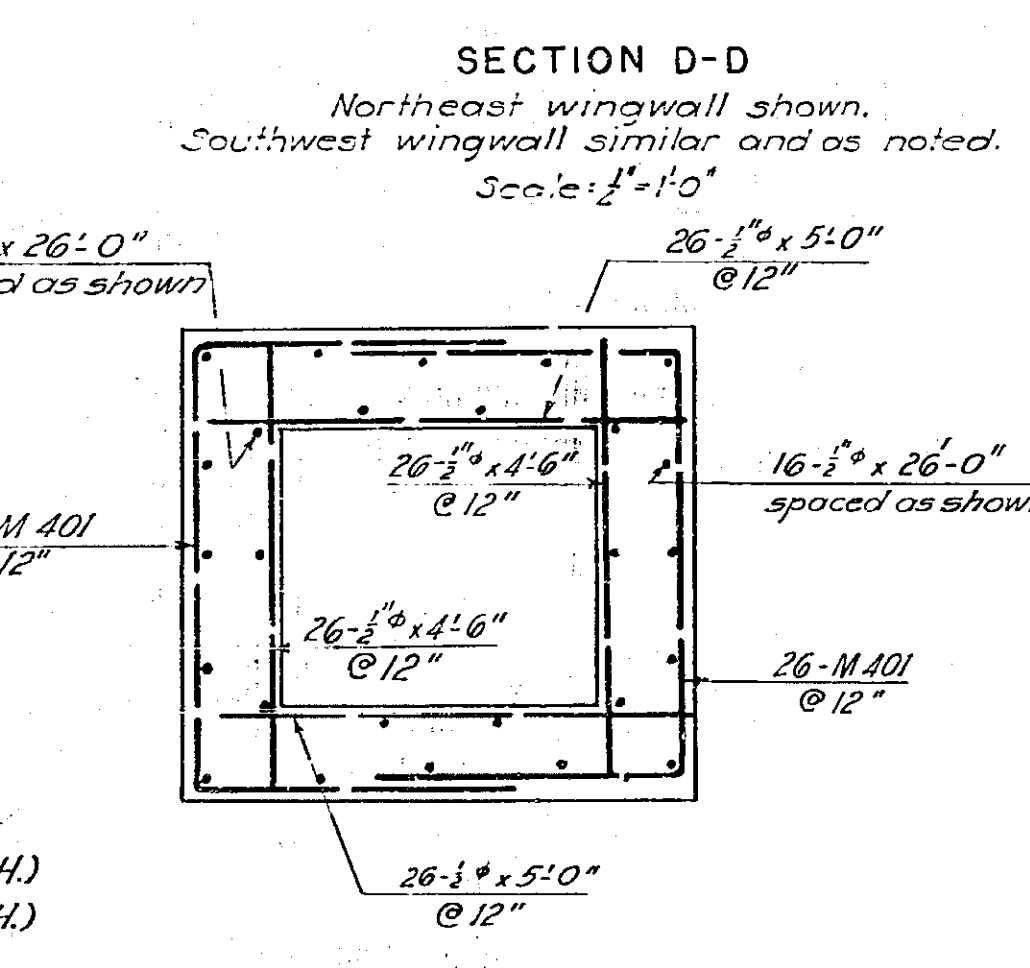
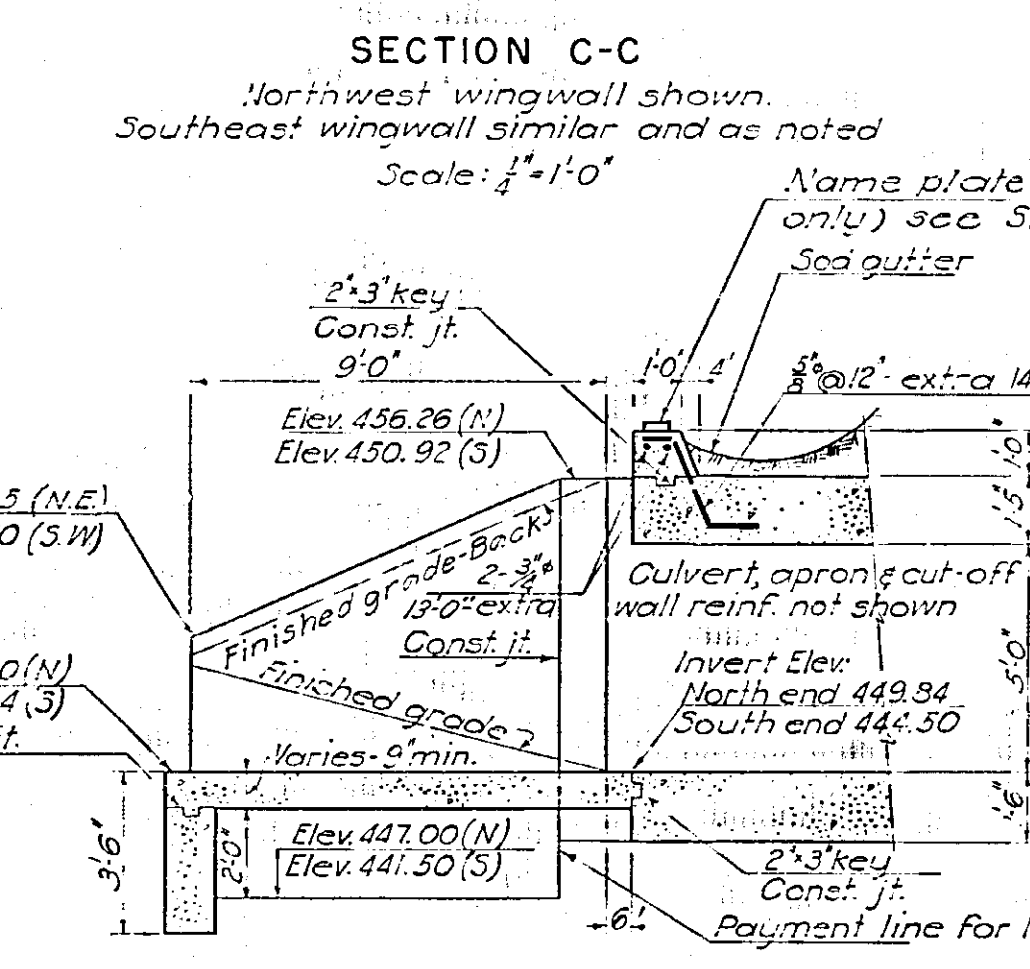
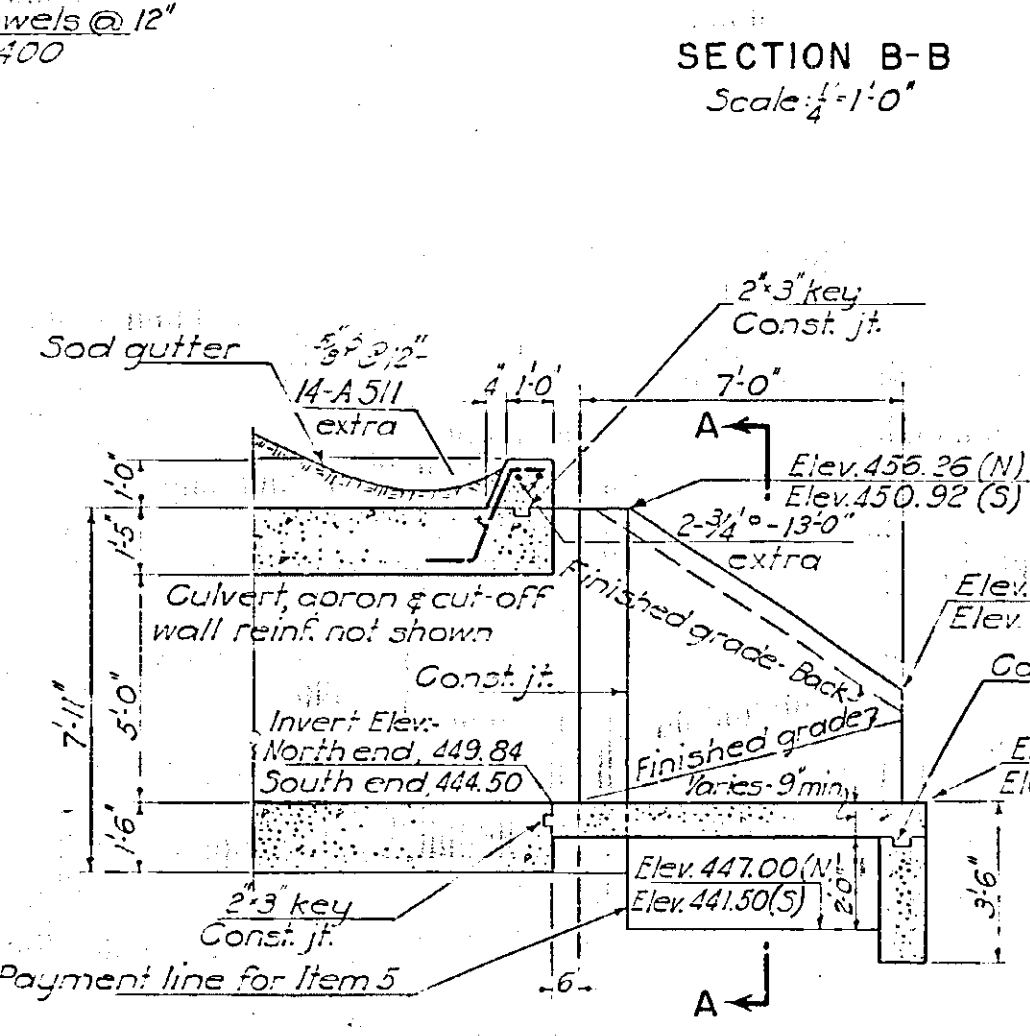
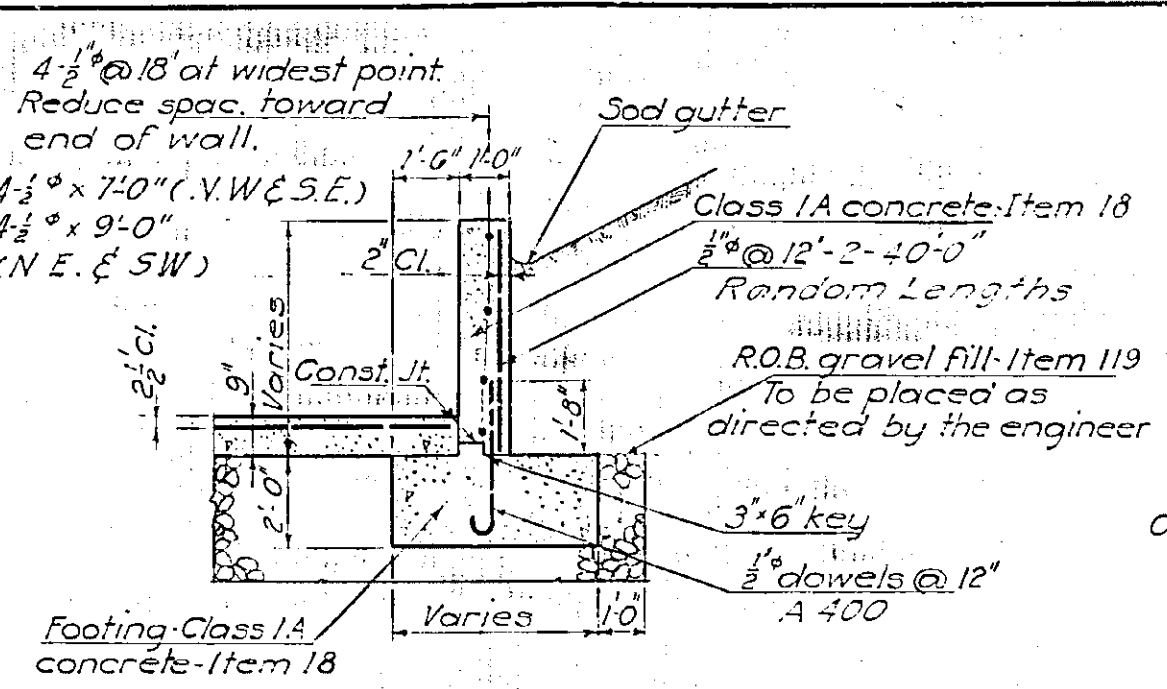
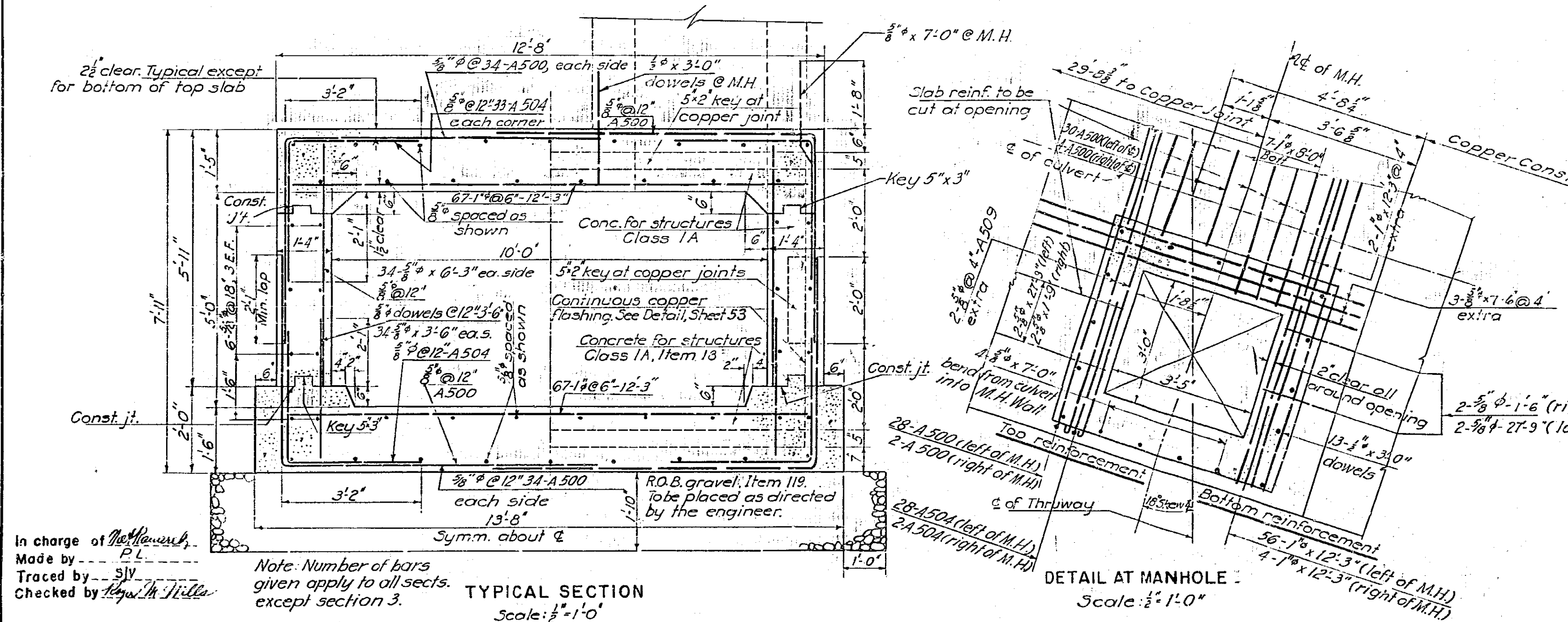
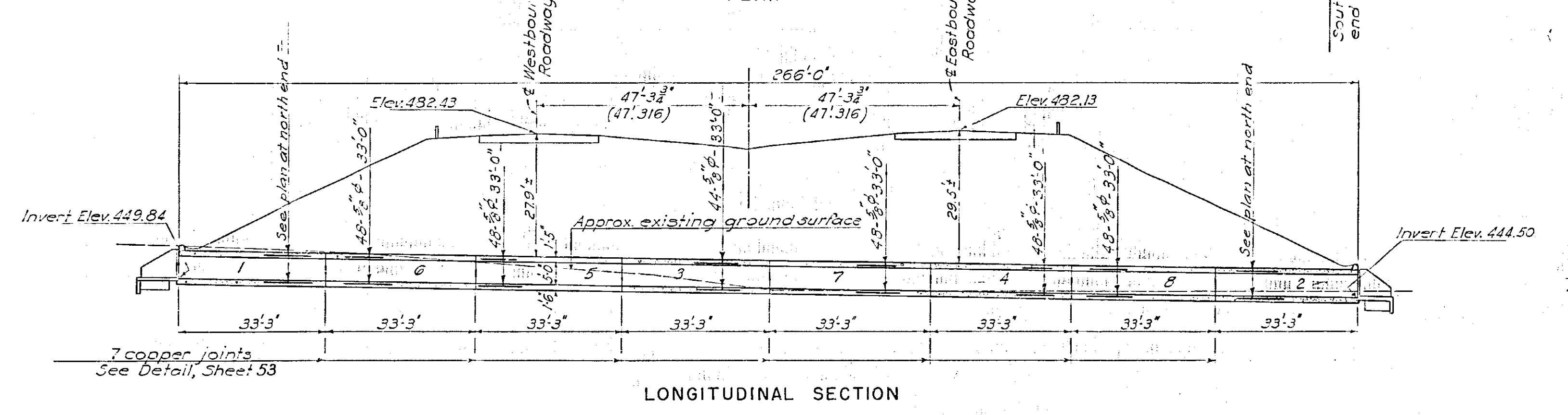
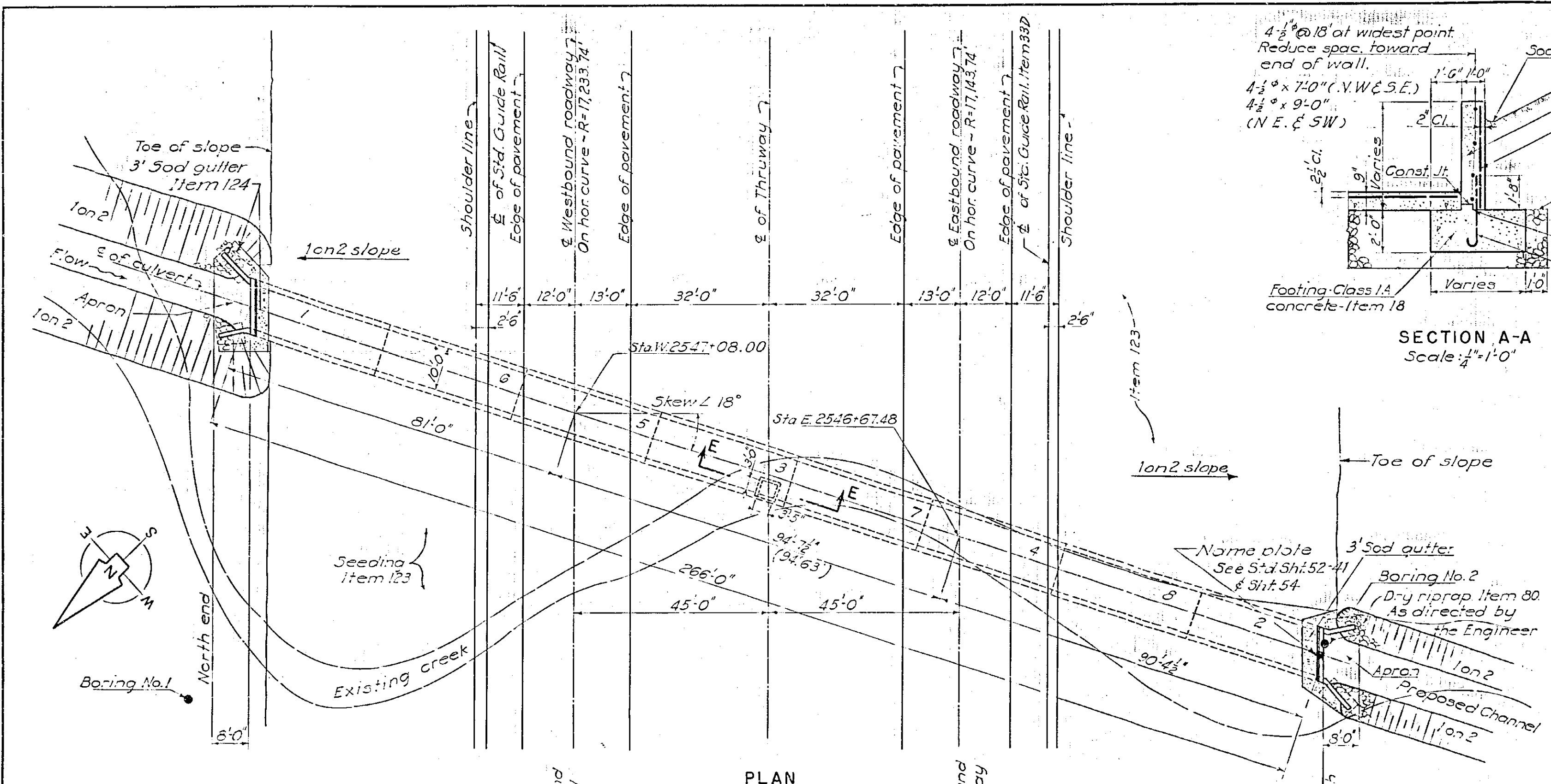
Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-36
 FRANCIS L. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS

THRUWAY OVER BRIDENBAKER CREEK STRUCTURE NO. 6 ELEVATIONS & DETAILS			
DWG. NO. 13 B - 40	SCALE $\frac{1}{4} = 1'-0"$ as shown	DATE 4-1-52	FRANCIS L. HAROLD A. BROWN — BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	42	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



ESTIMATE OF QUANTITIES

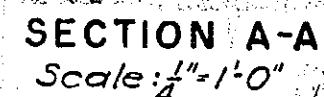
Item No.	Description	Unit	Neat	Rounded
5	Trench, Culvert & Bridge Excavation	C.Y.	1,220	1,400
15-2	Portland Cement, Type 2	Bbl.	731	790
15-N	Natural Cement, Type N	Bbl.	101	115
18	Class 1A Concrete for Structures	C.Y.	562	600
28	Bar Reinforcement for Structures	Lb.	78,528	81,500
30	Miscellaneous Metals	Lb.	175	200
80	Dry Rip-Rap	C.Y.	10	20
82	Cofferdams	S.F.	1,400	2,000
119	Run of Bank Gravel Fill	C.Y.	325	360
124	Sodding	S.Y.	24	25

STREAM CULVERT AT STA. 2547+08.00
STRUCTURE NO. 7
PLAN, SECTIONS & DETAILS

DWG. NO. 13-B-41 SCALE 1"=20' & as noted DATE 4-1-52 FRANCIS L. BROWN & HAROLD A. BLAUVELT CONSULTING ENGINEERS

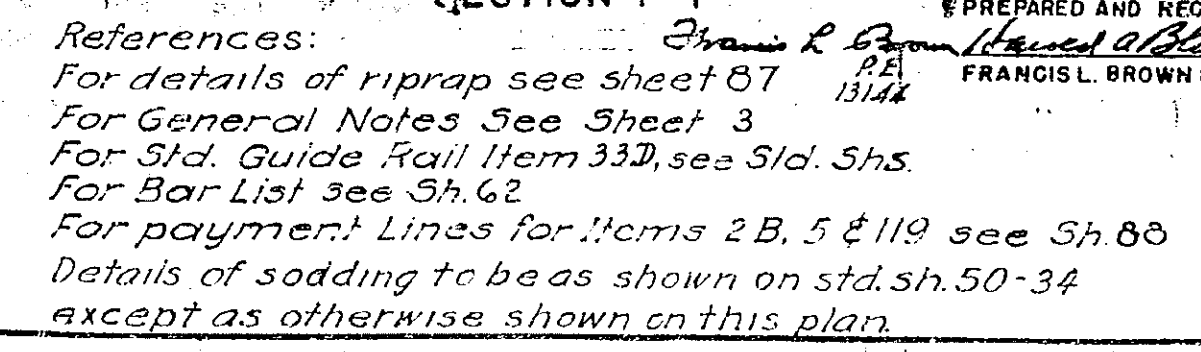
References:
For details of riprap see sheet 87
For General Notes See Sheet 3
For Std. Guide Rail Item 33, see Std. Shs.
For Bar List see Sh. 62
For payment lines for Items 2B, 5 & 119 see Sh. 86
Details of sodding to be as shown on std. Sh. 50-34 except as otherwise shown on this plan.

PREPARED AND RECOMMENDED
Francis L. Brown & Harold A. Blauvelt
NYSPE, LIC. NO. 19032 DATE 6-30-58
FRANCIS L. BROWN & HAROLD A. BLAUVELT CONSULTING ENGINEERS

[illegible]

STREAM CULVERT AT STA. 2547+08.00

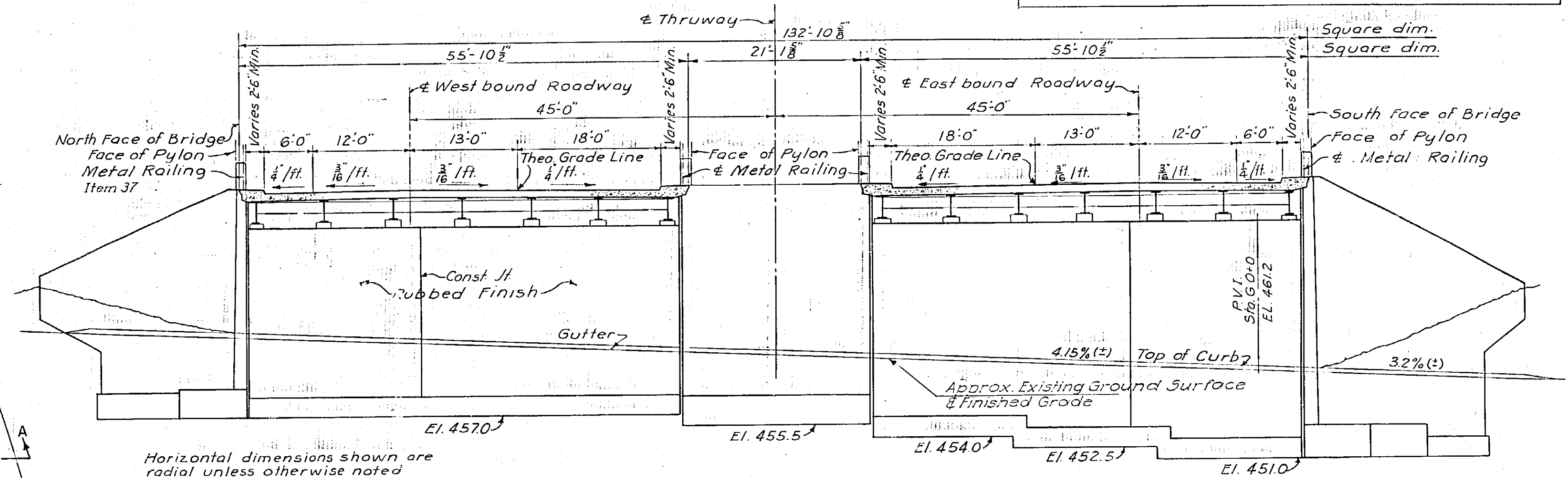
DWG. NO. 13-B-41	SCALE 1"=20'-0" ϕ as noted	DATE 4-1-52	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS
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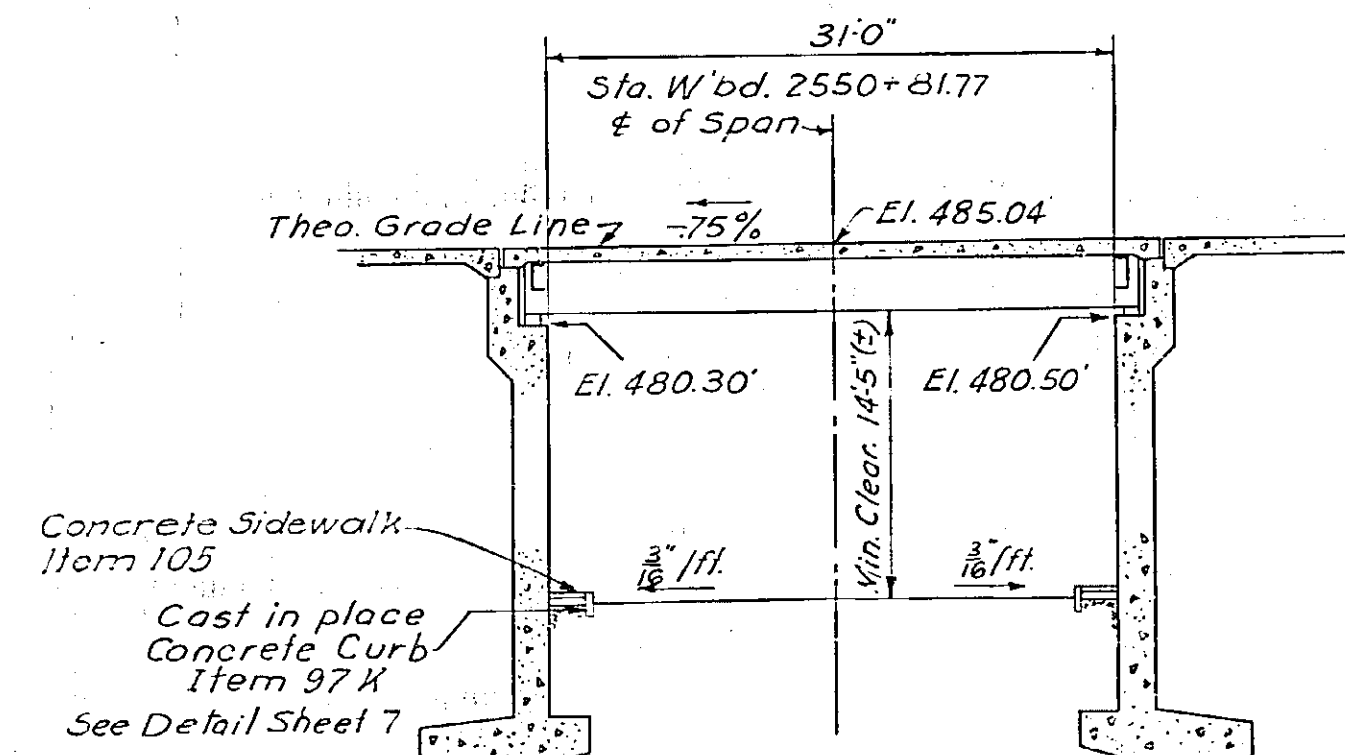
In charge of Mr. Hammers
Made by PL
Traced by SLY
Checked by Raymond M. Willis

Note: Number of bars given apply to all sects. except section 3.

References: *Francis L. Brown* *March 21/18*
 For details of riprap see sheet 87 *13/14*
 For General Notes See Sheet 3
 For Std. Guide Rail Item 33*1/2*, see Std. Shs.
 For Bar List see Sh. 62
 For payment Lines for Items 2B, 5 & 119 see Sh. 88
 Details of sodding to be as shown on std. sh. 50-34
 except as otherwise shown on this plan.



ELEVATION OF CURB TRANSITION
DETAIL C-C
Scale $\frac{1}{2}''=1'-0''$



ESTIMATE OF QUANTITIES				
Item No	Description	Unit	Neal	Round
5	Trench Culvert & Bridge Excavation	C.Y.	2,340	2,600
10 YR	Pipe Underdrain, Optional - 6" Diam	L.F.	407	430
15-2	Portland Cement, Type 2	Bbl.	2,095	2,260
15-N	Natural Cement, Type N	Bbl.	291	320
18	Class 1A Concrete for Structures	C.Y.	1,525	1,620
19	Class 1A Concrete for Railings	C.Y.	5	5
25 F.	Steel Fabric Reinforcement	S.Y.	745	79
28	Bar Reinforcement for Structures	Lb.	18,936	195,000
29	Structural Steel	Lb.	107,960	105,000
37	Metal Railing	L.F.	140	150
47 B	Cement Concrete Pavement	C.Y.	47	50
97K	Concrete Curb, Type K	L.F.	384	420
105	Concrete Sidewalk	S.Y.	78	90
119	Run of Bank Gravel Fill	C.Y.	6,240	6,800
121	Top soil Placed from Stockpiles	C.Y.	205	210
123 B	Seeding on prepared Areas	Acre	0.49	0.4
124	Sodding	S.Y.	360	570

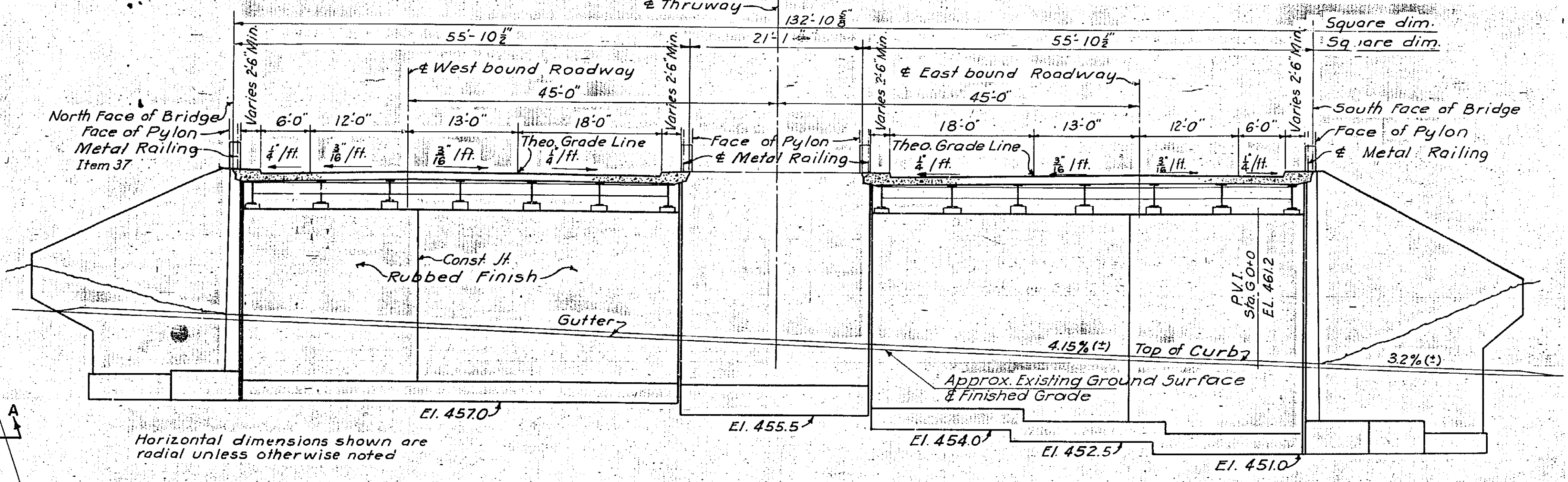
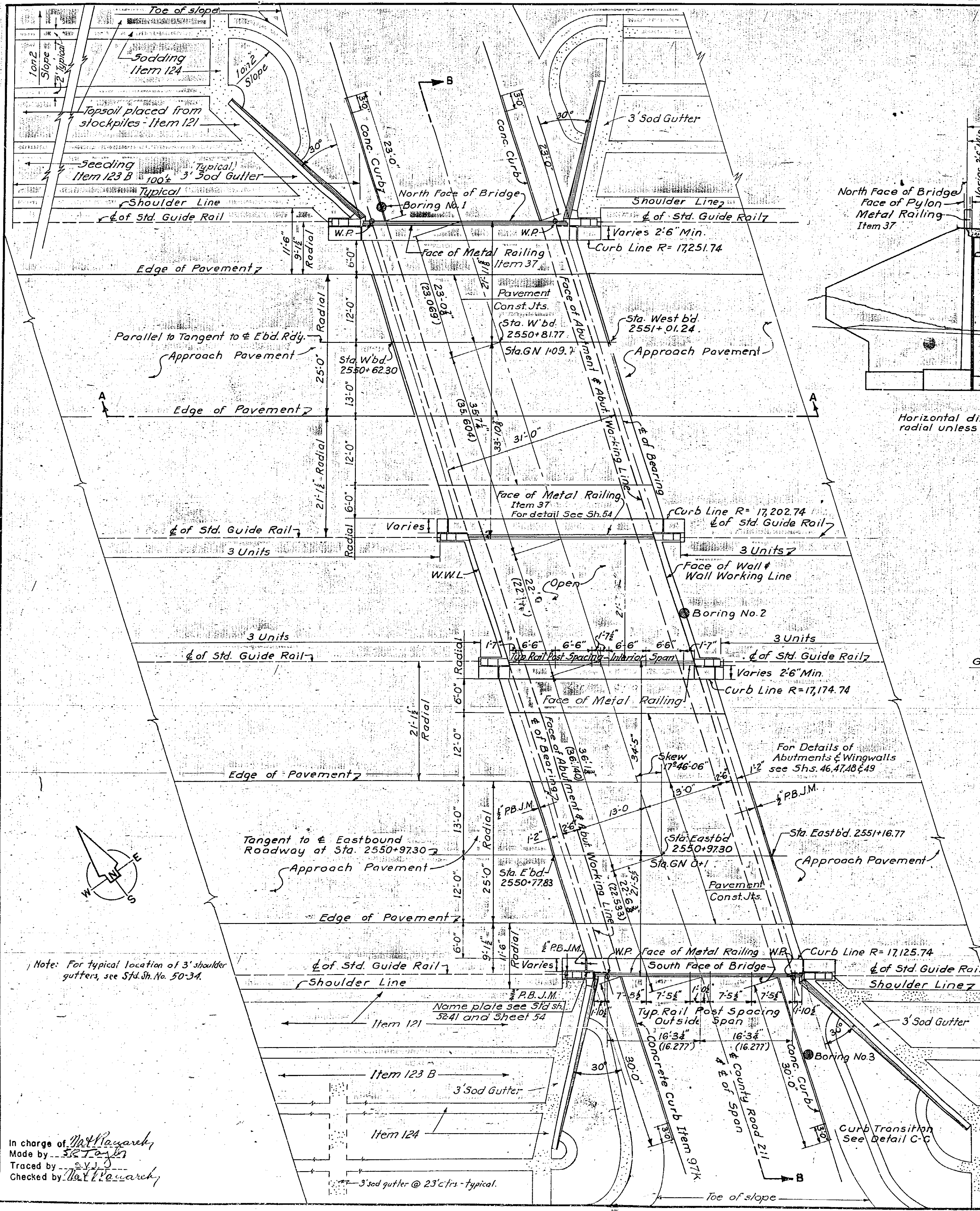
PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

DWG. NO. 13B-42	SCALE 1"=10'-0" as noted	DATE 4-1-52	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS
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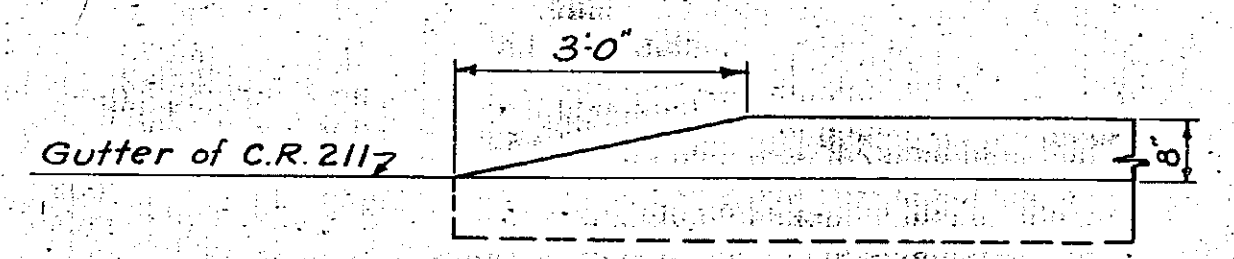
Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

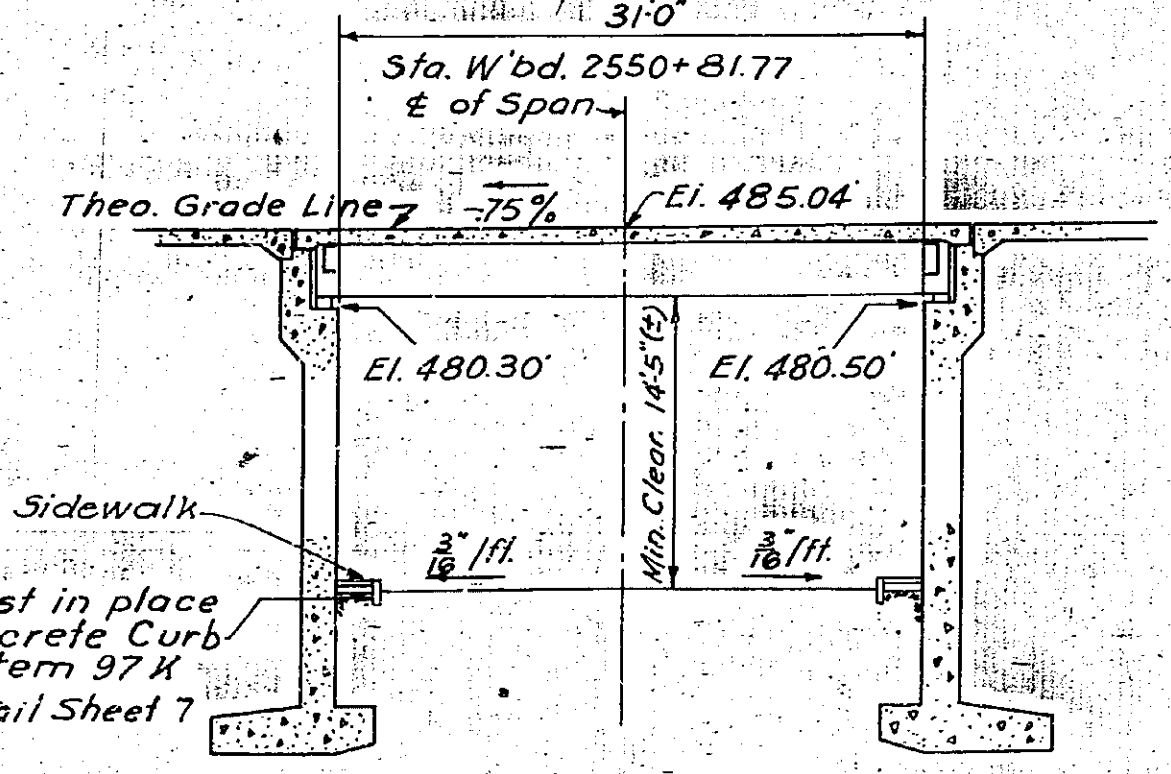
In charge of Nat. Panarch,
Made by SRT/ajb
Traced by S.V.J.
Checked by Nat. Panarch,



SECTION B-B



ELEVATION OF CURB TRANSITION
DETAIL C-C
Scale 1"=1'-0"



SECTION A-A

ESTIMATE OF QUANTITIES				
Item No.	Description	Unit	Neat	Net
5	Trench Culvert & Bridge Excavation	C.Y.	2,340	1,242.9
10YR	Pipe Underdrain, Optional - 6" diam.	L.F.	407	0.0
15-2	Portland Cement, Type 2	Bbl.	2,095	23,245.51
15-N	Natural Cement, Type N	Bbl.	291	367.51
18	Class 1A Concrete for Structures	C.Y.	1,525	15,913.8
19	Class 1A Concrete for Railings	C.Y.	5	5.08
25 F.	Steel Fabric Reinforcement	S.Y.	745	124.6
28	Bar Reinforcement for Structures	Lb.	186,960	15,123.2
37	Structural Steel	Lb.	10,886	761.57
37	Metal Railing	L.F.	140	145.12
47B	Cement Concrete Pavement	C.Y.	47	47.14
97K	Concrete Curb, Type K	L.F.	384	340.6
105	Concrete Sidewalk	S.Y.	78	86.0
119	Run of Bank Gravel Fill	C.Y.	6,240	5,240.0
121	Top soil Placed from Stockpiles	C.Y.	205	24.0
123B	Seeding on prepared Areas	Acres	0.49	0.49
124	Sodding	S.Y.	560	65.0

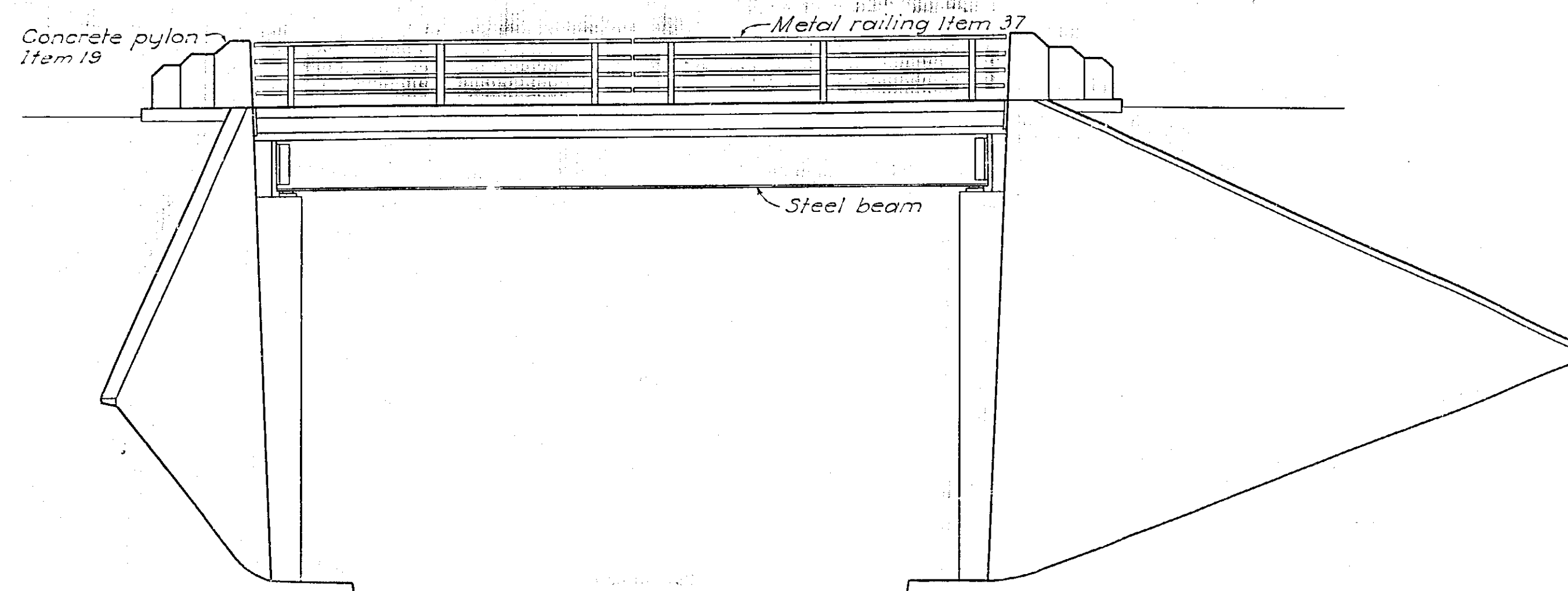
REFERENCES

For general notes see Sh. 3
For Std. Guide Rail Item 33D
see Std. sheets.
For payment lines for Items 2 B,
5 & 119 see Sh. 68.
Details of Sodding to be as shown on Std. Sh. 50-34
except as otherwise shown on this plan.

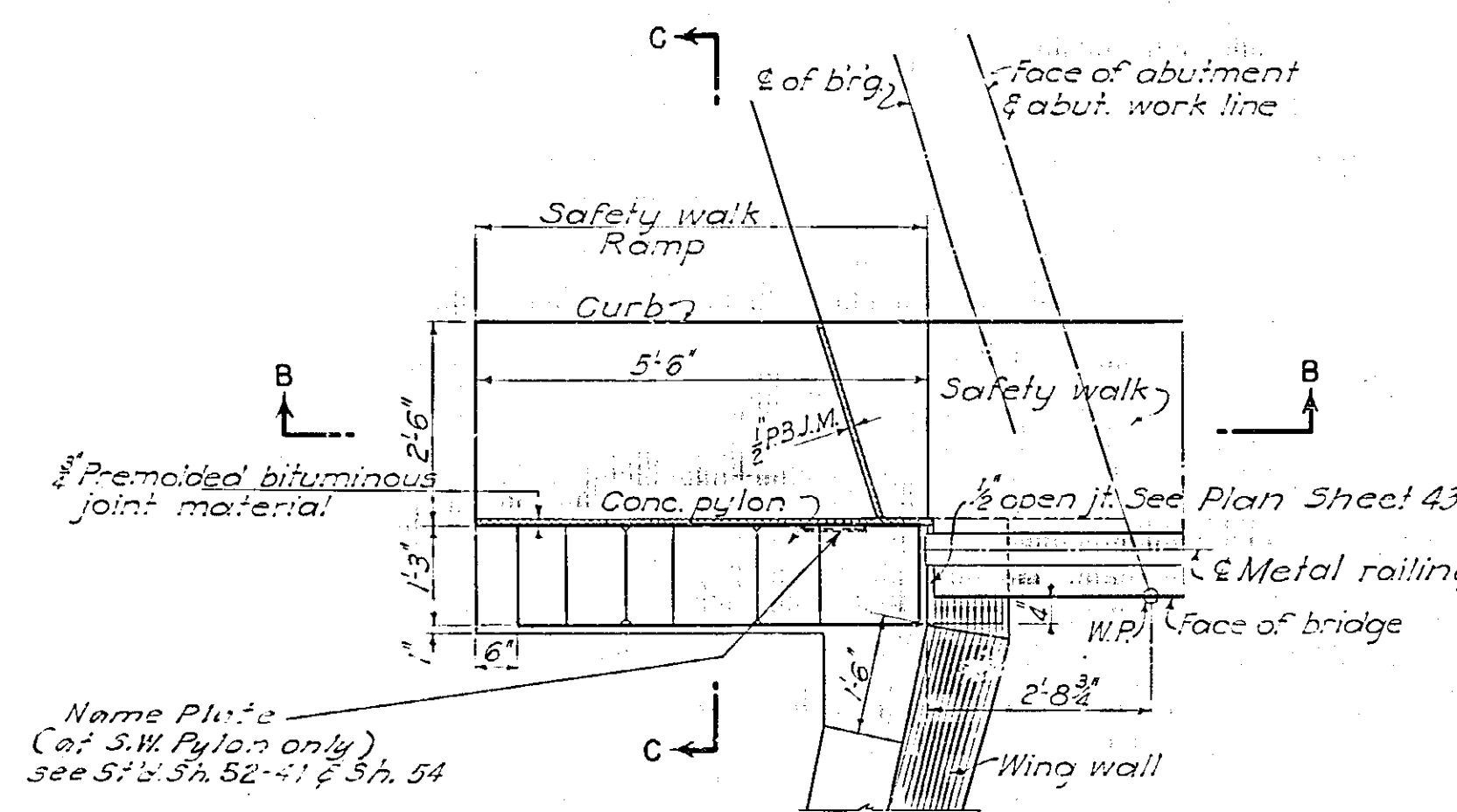
In charge of *Watt Research*
Made by *Watt Research*
Traced by *Watt Research*
Checked by *Watt Research*

PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

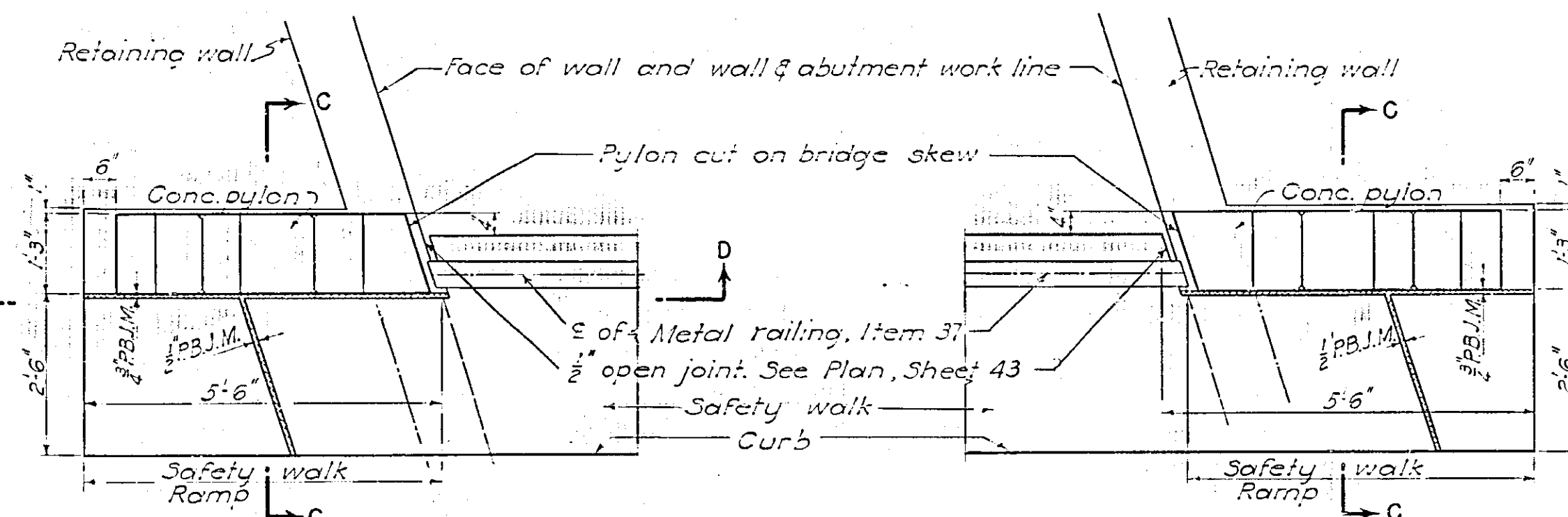
THRUWAY OVER COUNTY ROAD NO. 211 STRUCTURE NO. 8 PLAN & SECTIONS			
DWG. NO. 13B-42	SCALE 1"=10'-0" as noted	DATE 1-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS



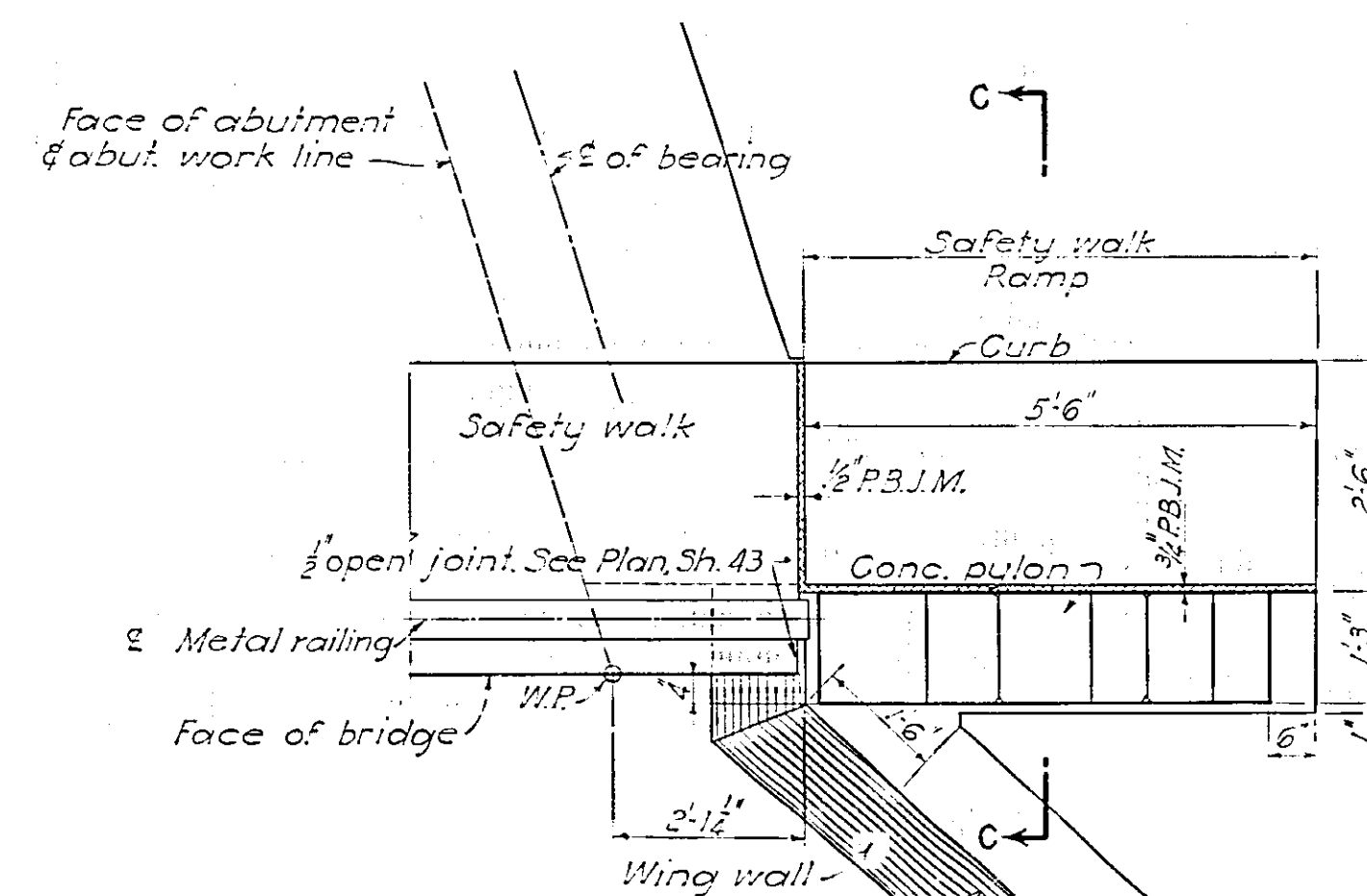
SOUTHWEST ELEVATION
Scale: $\frac{3''}{16} = 1'-0''$



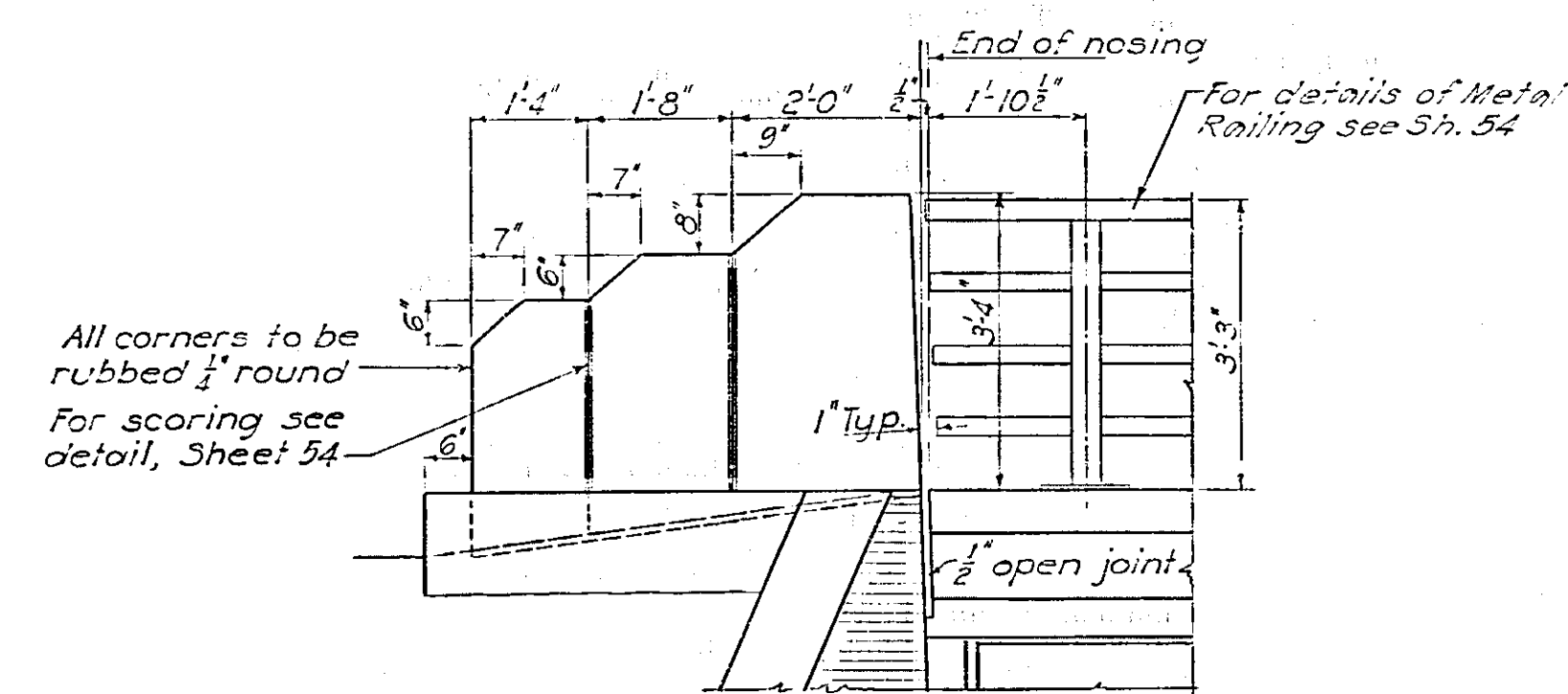
DETAIL PLAN
S.W. & N.E. PYLONS



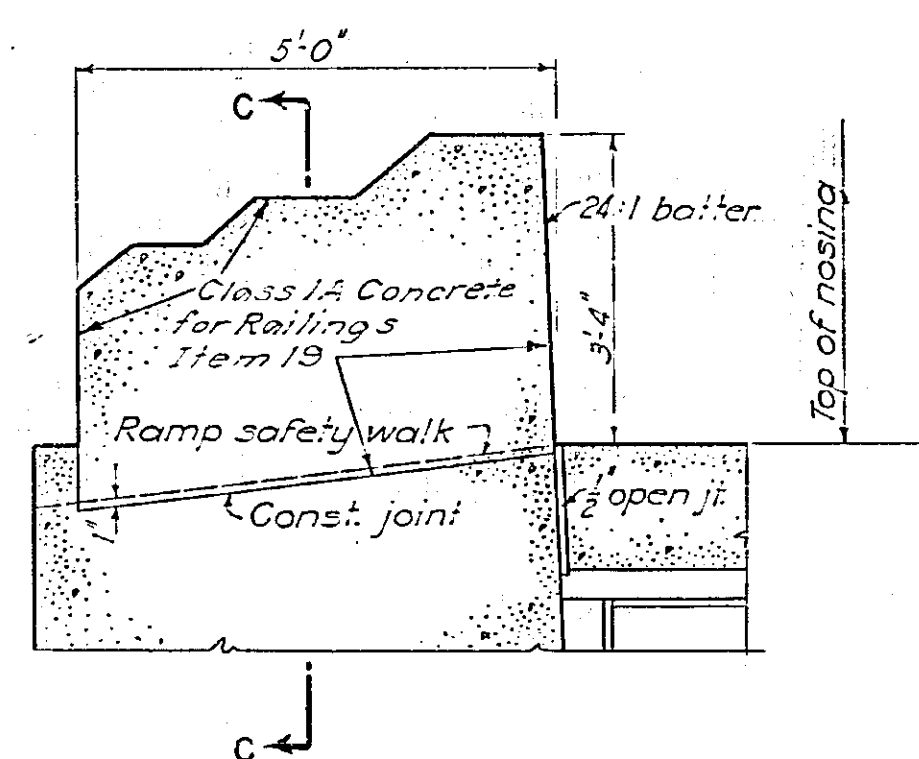
DETAIL PLAN
S.W. & N.E. INTERIOR PYLONS



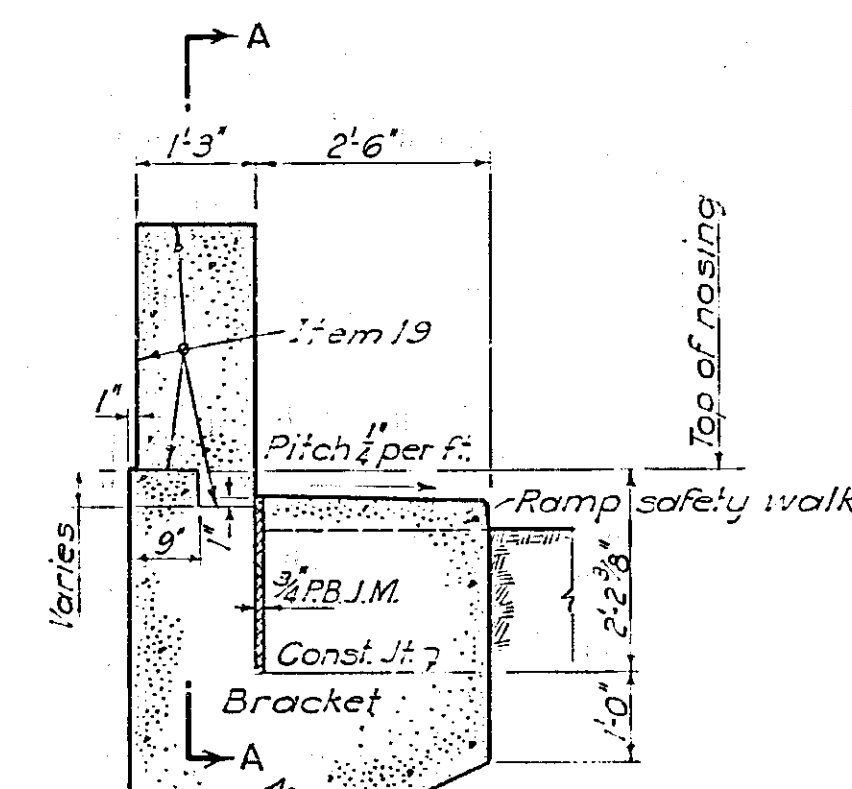
DETAIL PLAN
S.E. & N.W. PYLONS



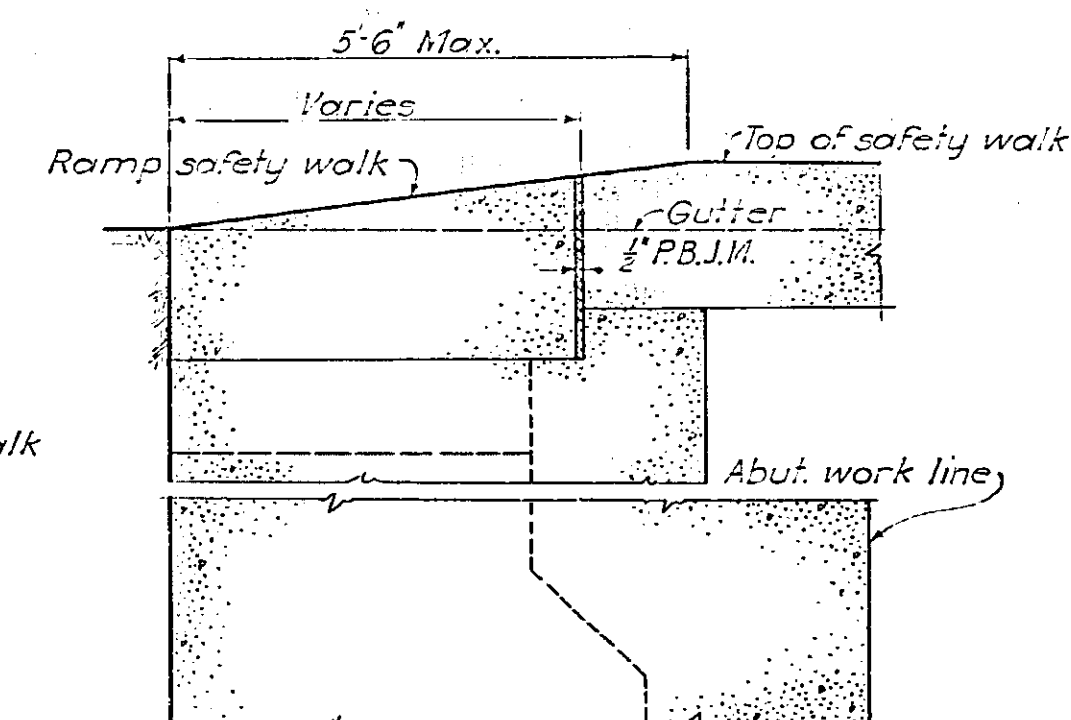
TYPICAL ELEVATION



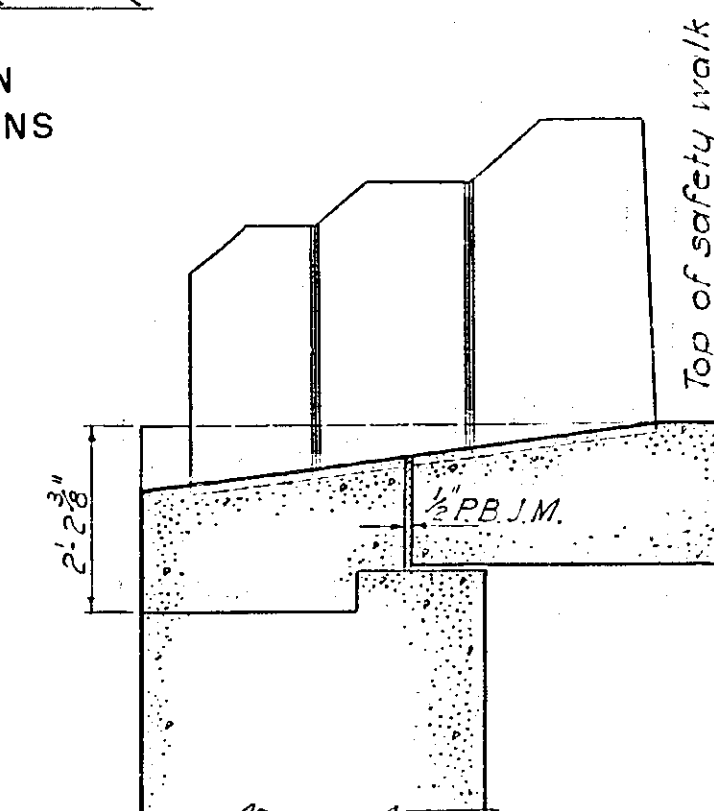
TYPICAL SECTION A-A



TYPICAL SECTION C-C



TYPICAL SECTION B-B



TYPICAL SECTION D-D

For General Notes see Sh.3

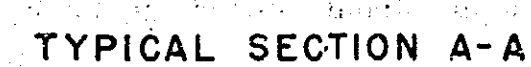
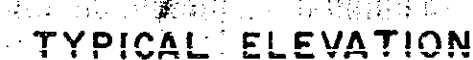
In charge of Not Rancorby
Made by W. B. Soklow
Traced by \$14
Checked by Kip M. Wille

Francis L Brown P.E. 13144

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN · HAROLD A. BLAUVELT CONSULTING ENGINEERS

THRUWAY OVER COUNTY ROAD NO. 211 STRUCTURE NO. 8 ARCHITECTURAL ELEVATIONS & DETAILS			
WG NO. 13B-43	SCALE 1"=10' & as shown	DATE 4-1-52	FRANCIS L. HAROLD & BROWN - BLAUVELT CONSULTING ENGINEERS

44R

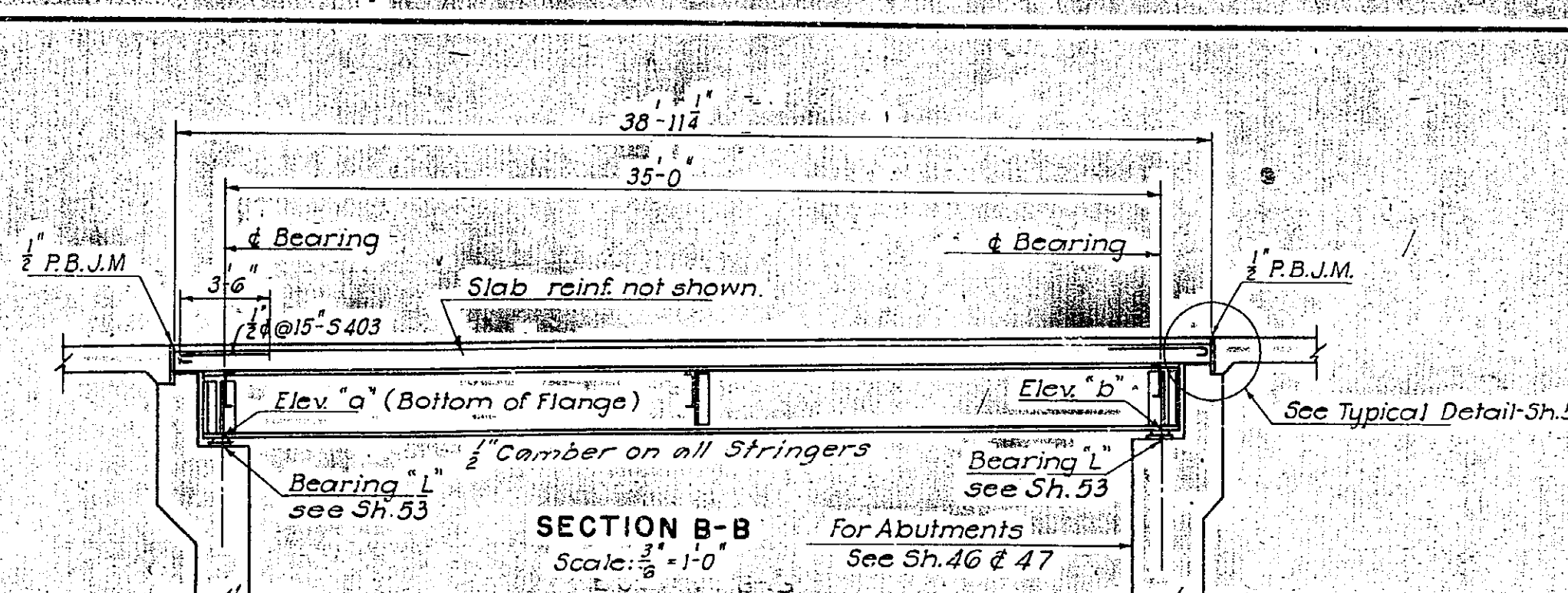
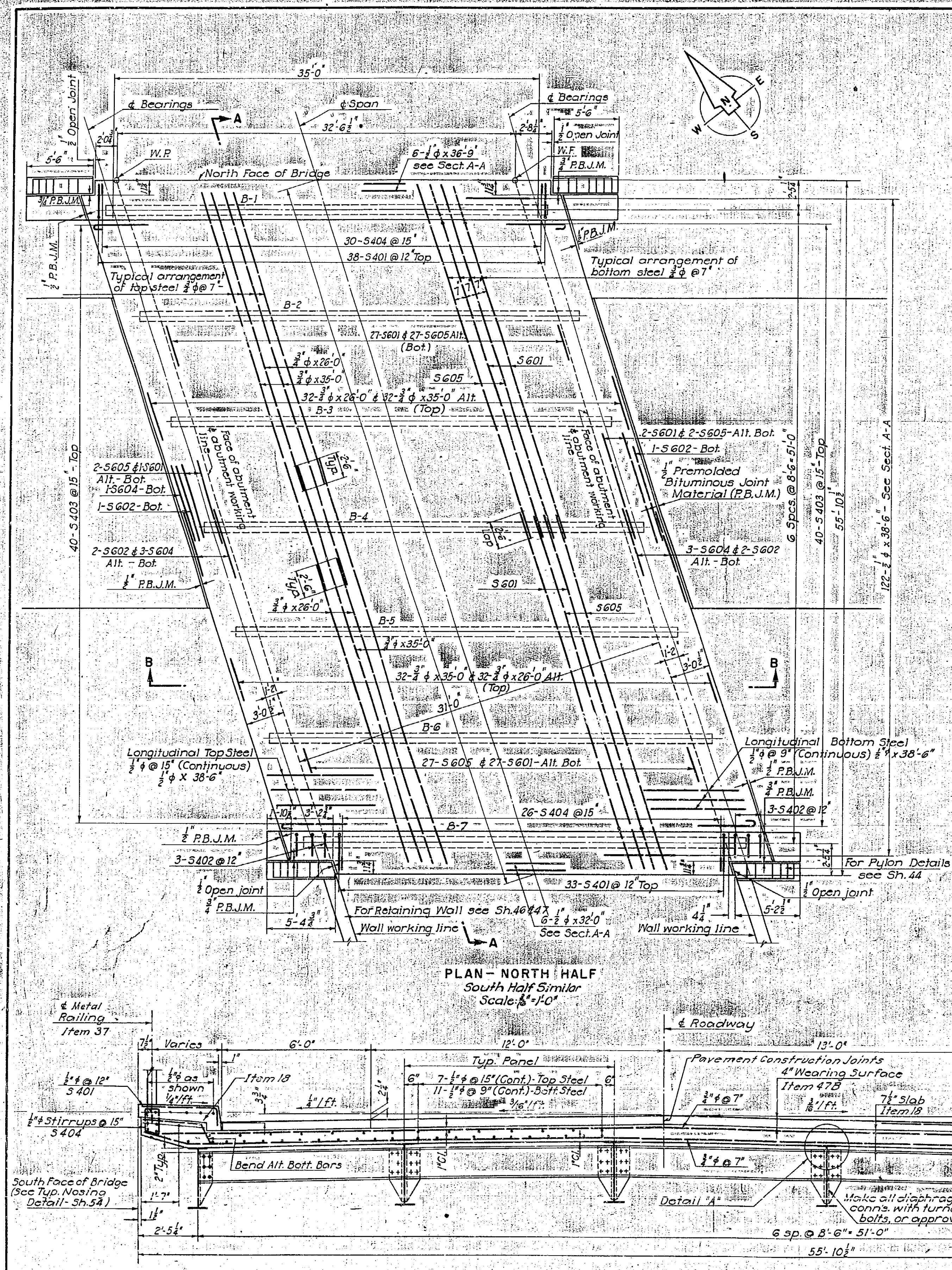


For General Notes see 5h.3

Thomas L. Brown - P.E. 13124

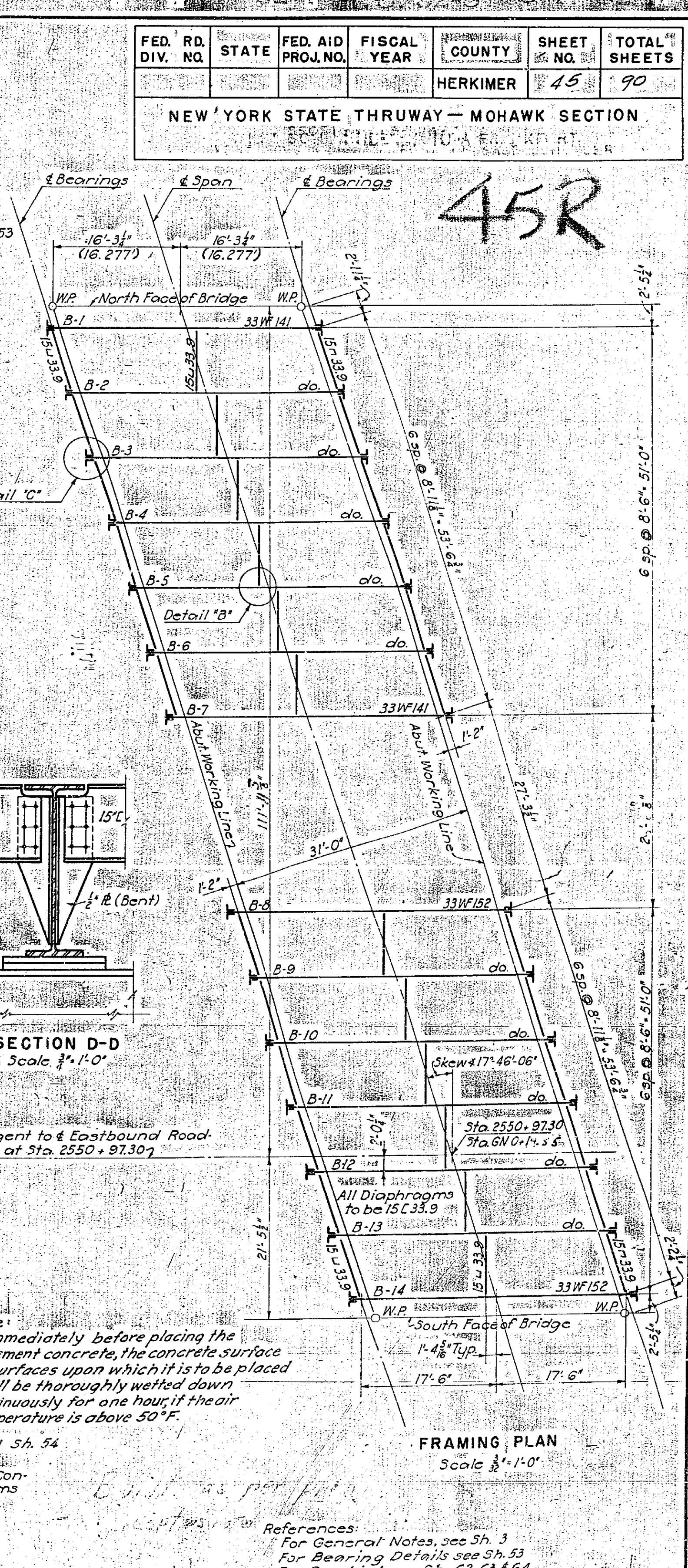
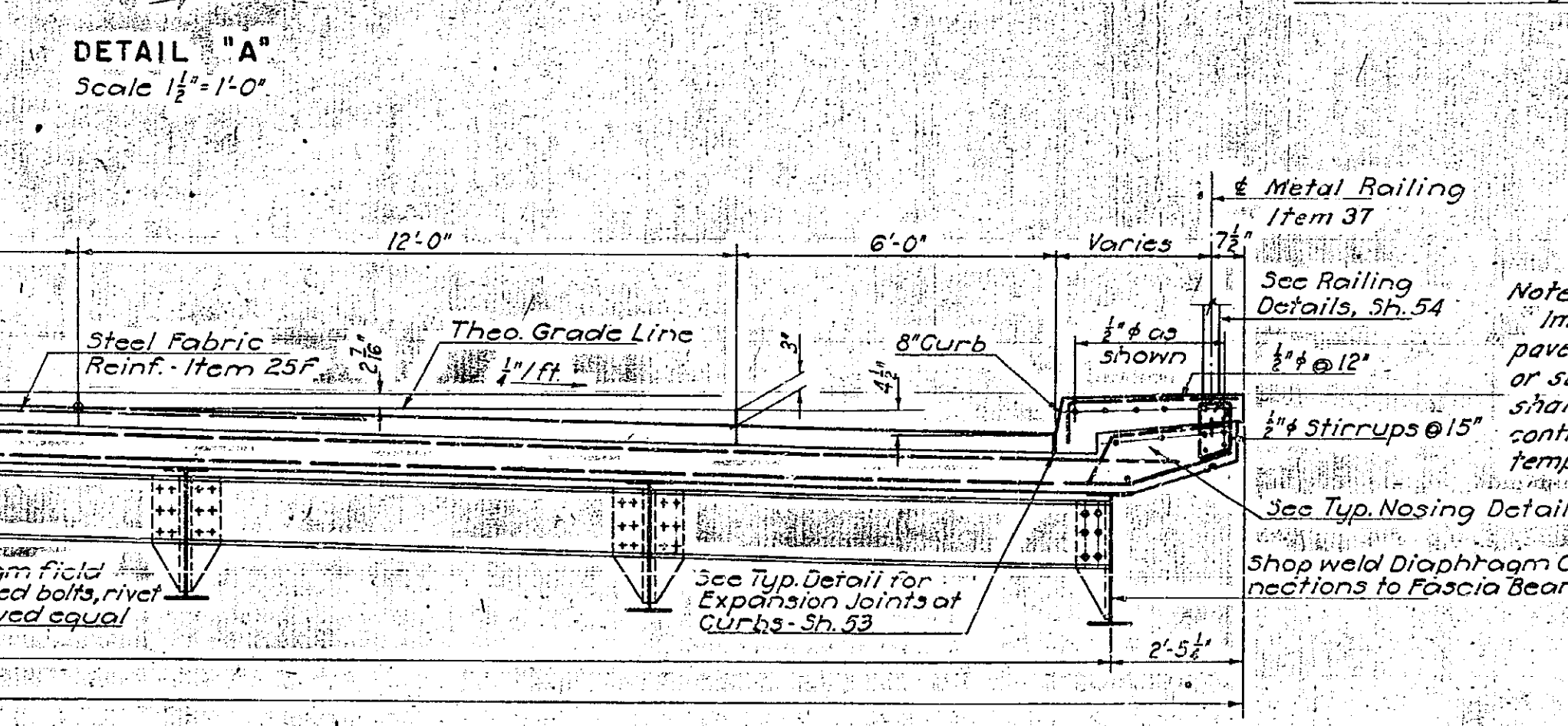
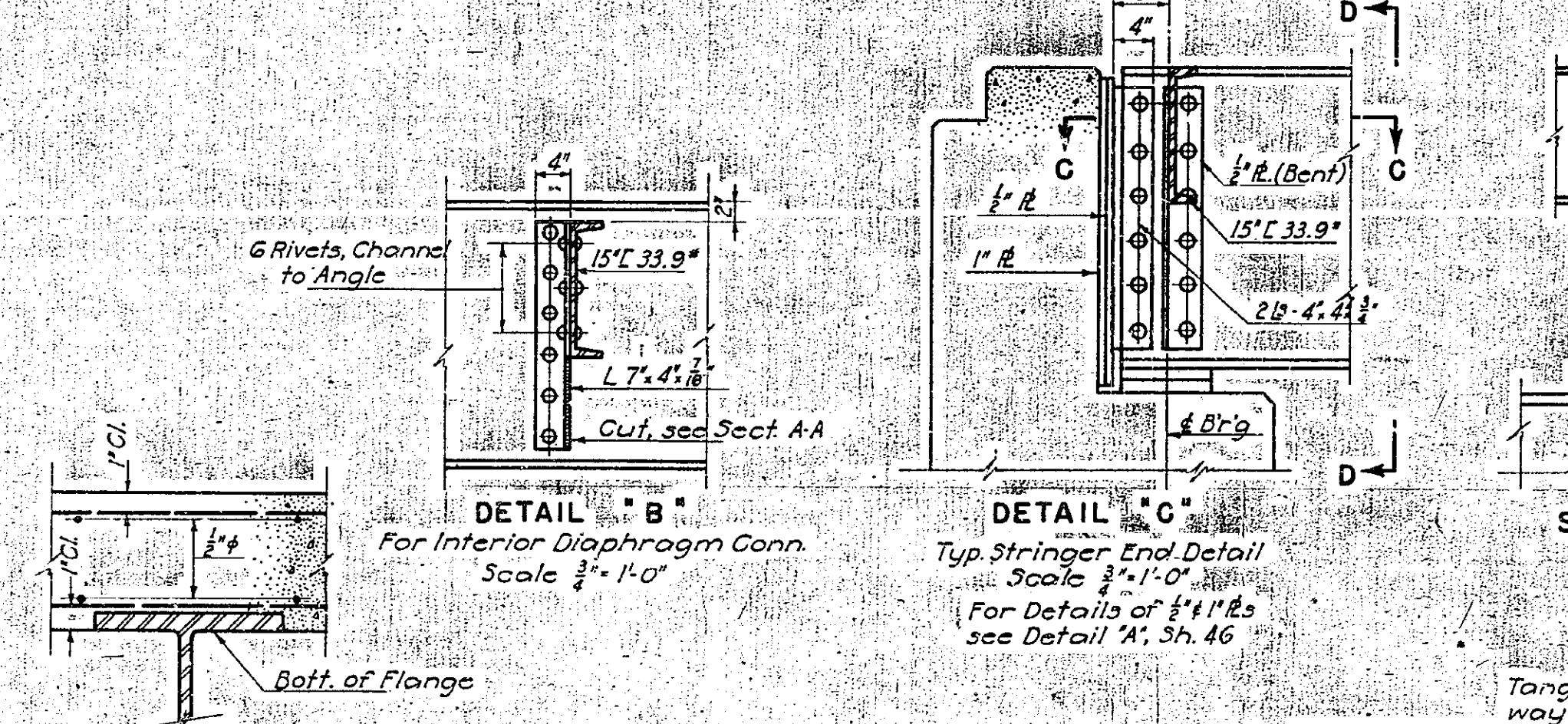
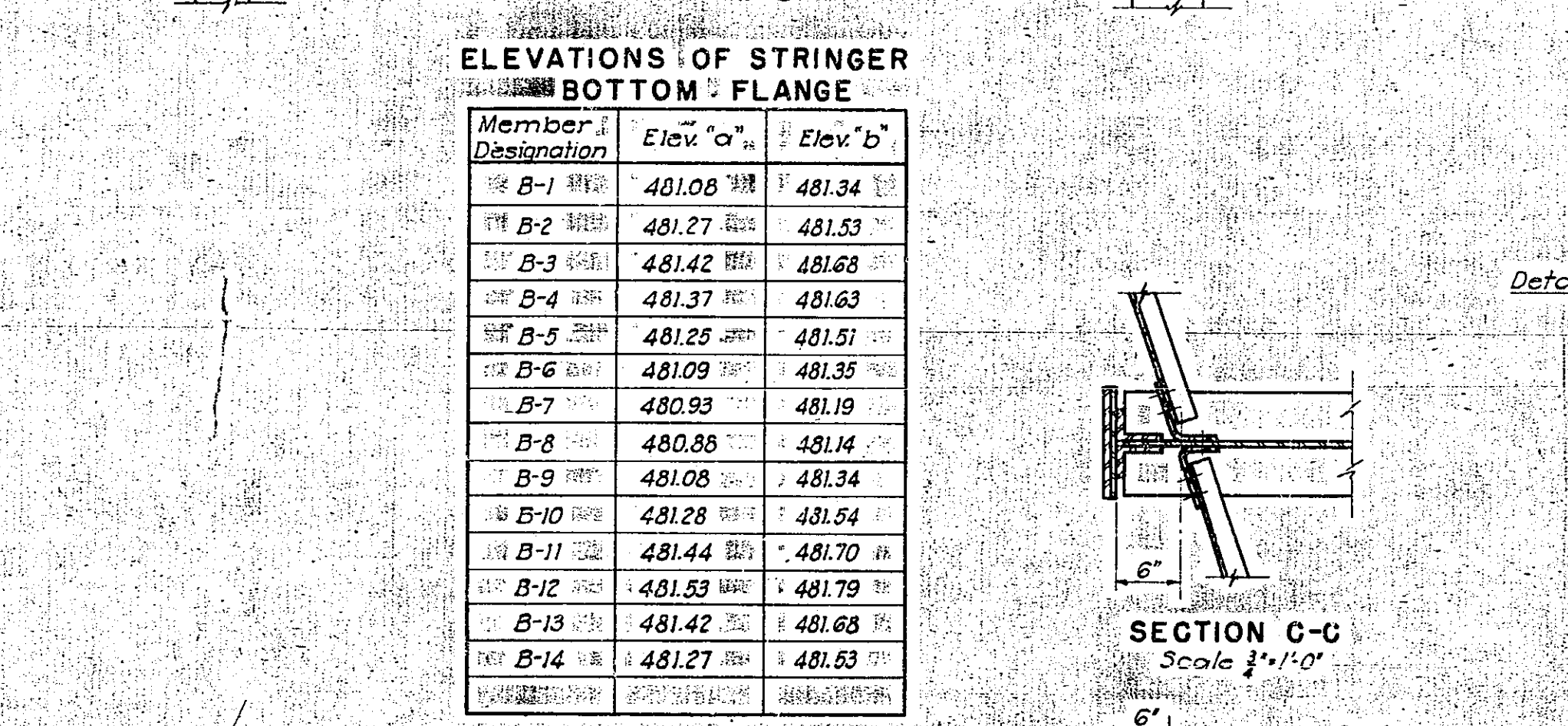
THRUWAY OVER COUNTY ROAD NO. 211 STRUCTURE NO. 8 ARCHITECTURAL ELEVATIONS & DETAILS			
DWG NO. 13B-43	SCALE 1"=10' 0" as shown	DATE 4-1-52	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS

45R



ELEVATIONS OF STRINGER BOTTOM FLANGE

Member Designation	Elev. "a"	Elev. "b"
B-1	481.08	481.34
B-2	481.27	481.53
B-3	481.42	481.68
B-4	481.37	481.63
B-5	481.25	481.51
B-6	481.09	481.35
B-7	480.93	481.19
B-8	480.86	481.14
B-9	481.08	481.34
B-10	481.28	481.54
B-11	481.44	481.70
B-12	481.53	481.79
B-13	481.42	481.68
B-14	481.27	481.53



Note: Immediately before placing the pavement concrete, the concrete surface or surfaces upon which it is to be placed shall be thoroughly wetted down continuously for one hour if the air temperature is above 50°F.

References:
For General Notes, see Sh. 3
For Bearing Details, see Sh. 53
For Bar List, see Sh. 62, 63 & 64

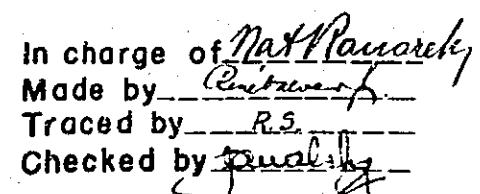
In charge of *W. H. Keweenaw*
Made by *S. C.*
Traced by *S. C.*
Checked by *J. W. Keweenaw*

SECTION A-A
Westbound Rdway as shown - Eastbound Rdway as noted
Scale: 1/8" = 1'-0"

PREPARED AND RECOMMENDED:
Francis L. Brown P.E. 13144
Harold A. Blauvelt P.E. 13144
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

THRUWAY OVER COUNTY ROAD NO. 211
STRUCTURE NO. 8
FRAMING PLAN & DECK SLAB

DWG. NO.	SCALE	DATE	DESIGNED BY
13B-44	As Shown	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

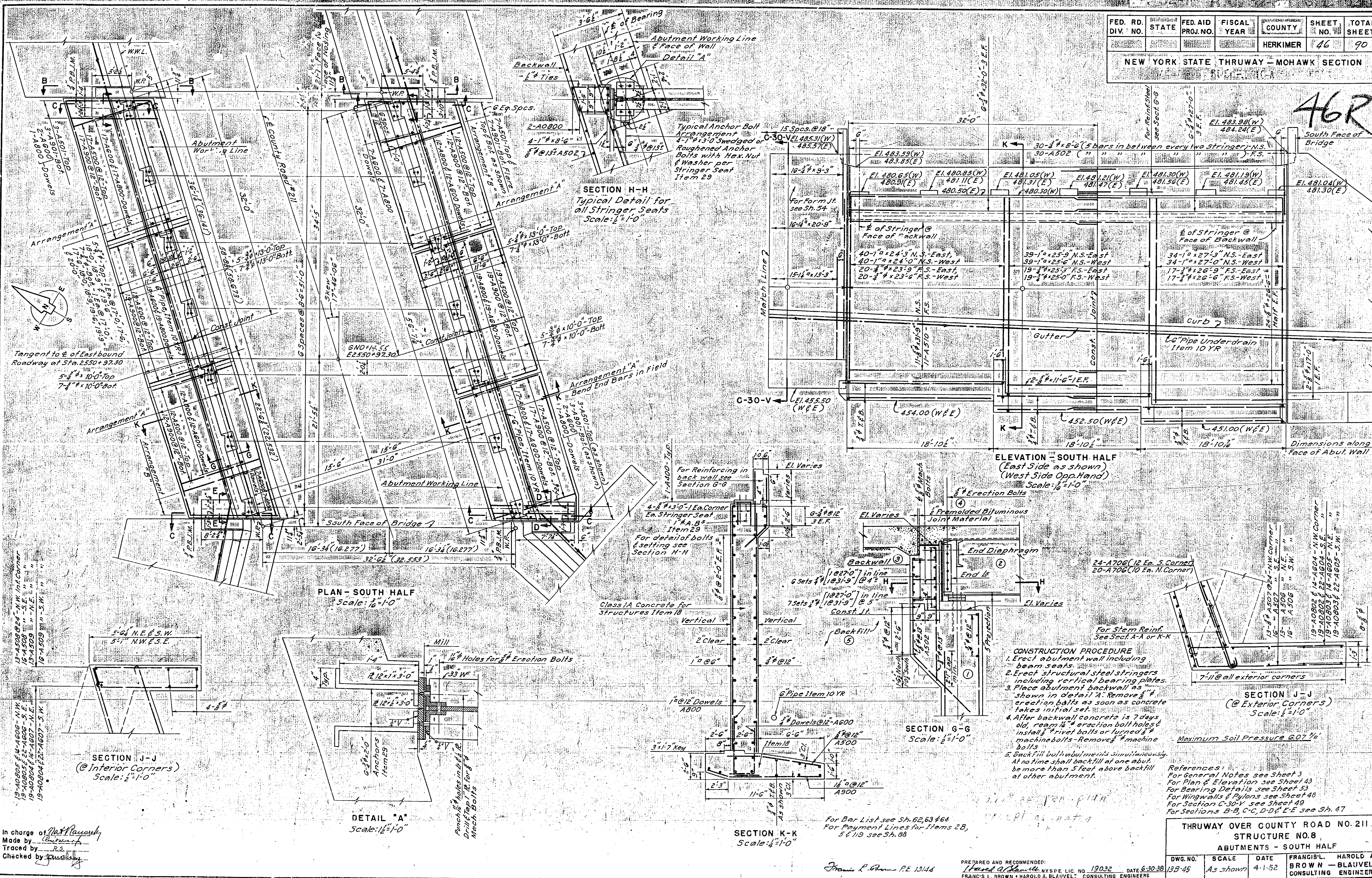


References:
For General Notes see Sheet 3
For Plan & Elevation see Sheet 43
For Bearing Details see Sheet 53
For Wingwalls & Pylons see Sheet 48
For Section C-30-V see Sheet 49
For Sections B-B, C-C, D-D & E-E see Sh. 47

THRUWAY OVER COUNTY ROAD NO. 2			
STRUCTURE NO. 8			
ABUTMENTS - SOUTH HALF			
DWG. NO. 13B-45	SCALE As shown	DATE 4-1-52	FRANCIS L. HAROLD BROWN — BLAUW CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
	NY			HERKIMER	46	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						

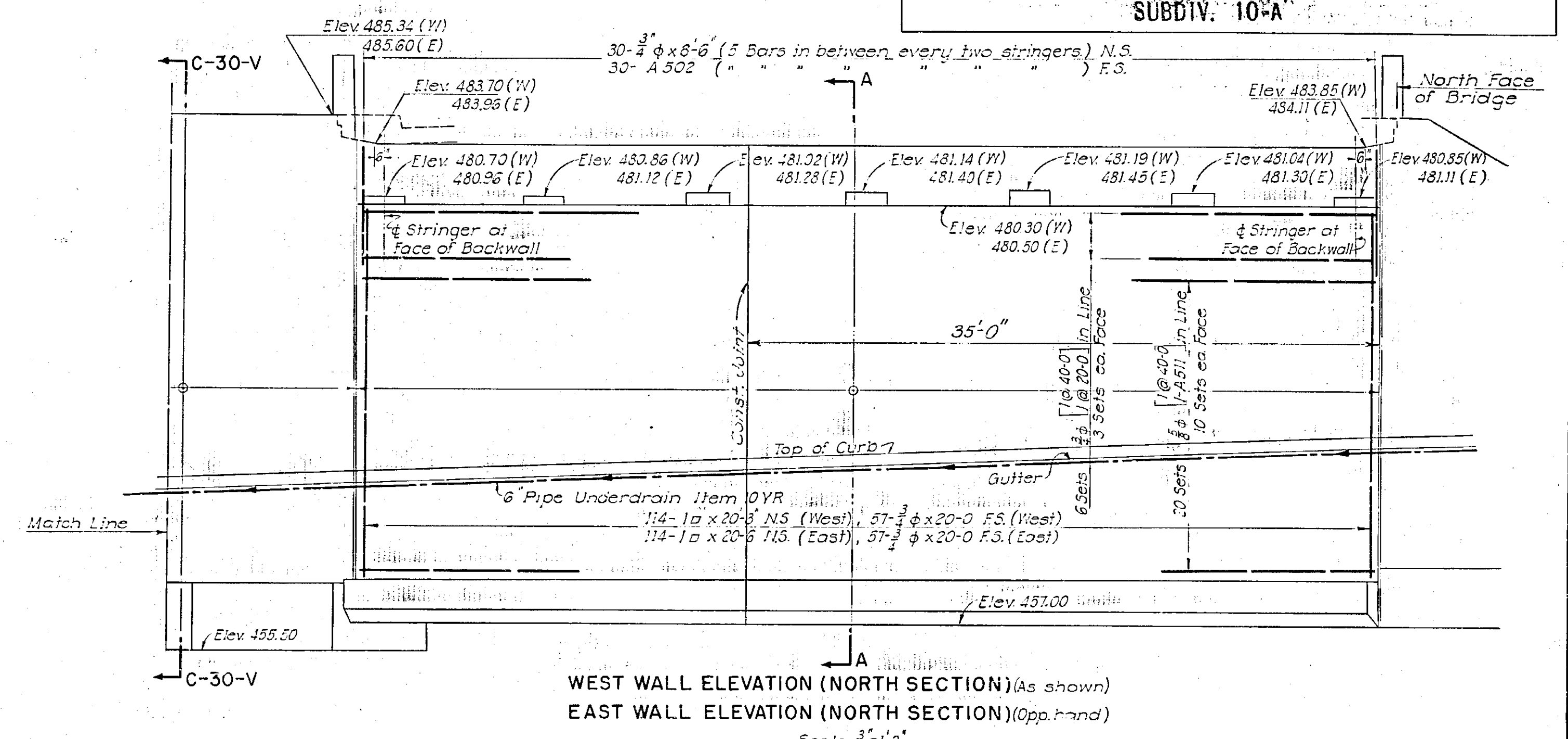
46R



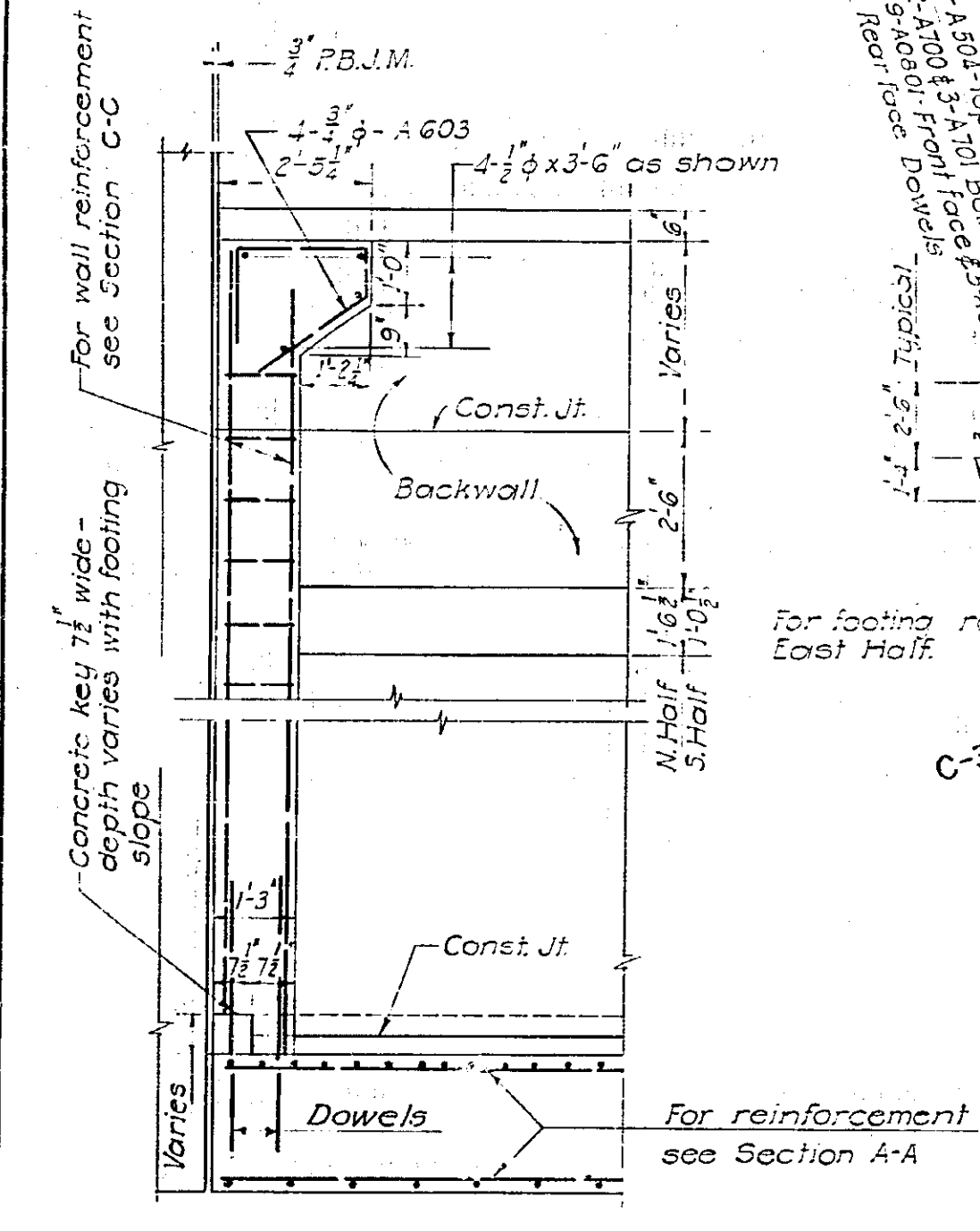
In charge of *Harold A. Blauvelt*
Made by *Francis L. Brown*
Traced by *R.S.*
Checked by *Francis L. Brown*

Francis L. Brown P.E. 13144

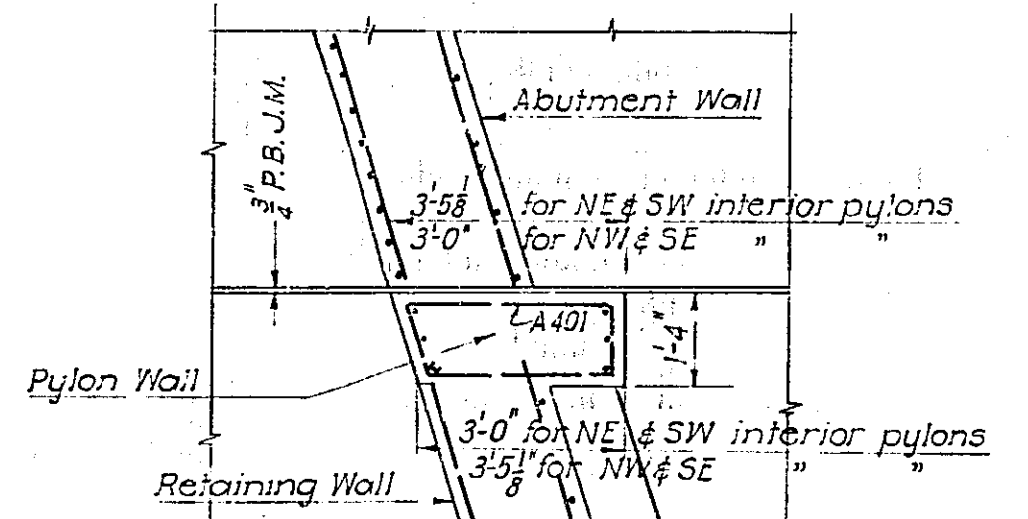
PREPARED AND RECOMMENDED:
Harold A. Blauvelt NYSPE LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS



WEST WALL ELEVATION (NORTH SECTION) (As shown)
EAST WALL ELEVATION (NORTH SECTION) (Opp. hand)



SECTION D-D (As shown)
SECTION E-E (Opp. hand)
Scale: $\frac{3}{8}'' = 1'-0''$



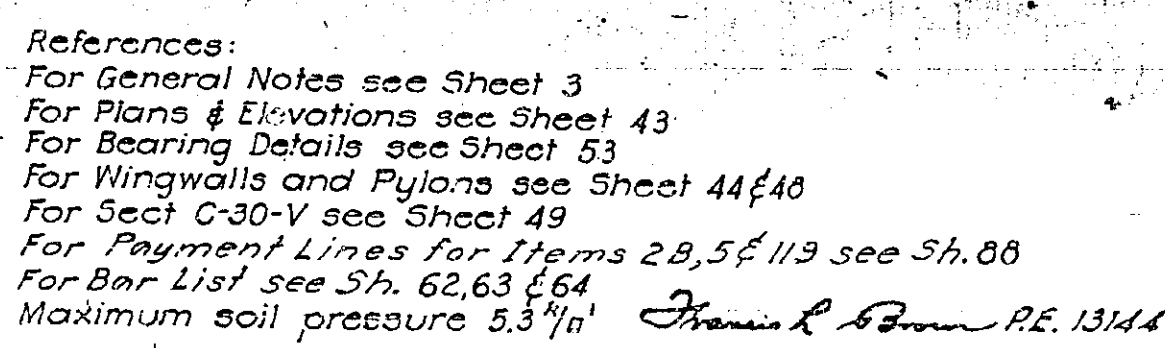
SECTION L-L
Scale: $\frac{3}{8}'' = 1'-0''$

References:
For General Notes see Sheet 3
For Plans & Elevations see Sheet 43
For Bearing Details see Sheet 53
For Wingwalls and Pylons see Sheet 44 & 48
For Sect C-30-V see Sheet 49
For Payment Lines for Items 28, 5 & 119 see Sh. 88
For Bar List see Sh. 62, 63 & 66
Maximum soil pressure 5.5 ft/sq ft. Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN · HAROLD A. BLAUVELT CONSULTING ENGINEERS

In charge of W. H. Lawrence
Made by Charles J.
Traced by S.A.C.
Checked by Quinn

THRUWAY OVER COUNTY ROAD NO. 211 STRUCTURE NO. 8			
ABUTMENTS - NORTH HALF			
DWG. NO. 13 B 46	SCALE As Shown	DATE 4-1-52	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS

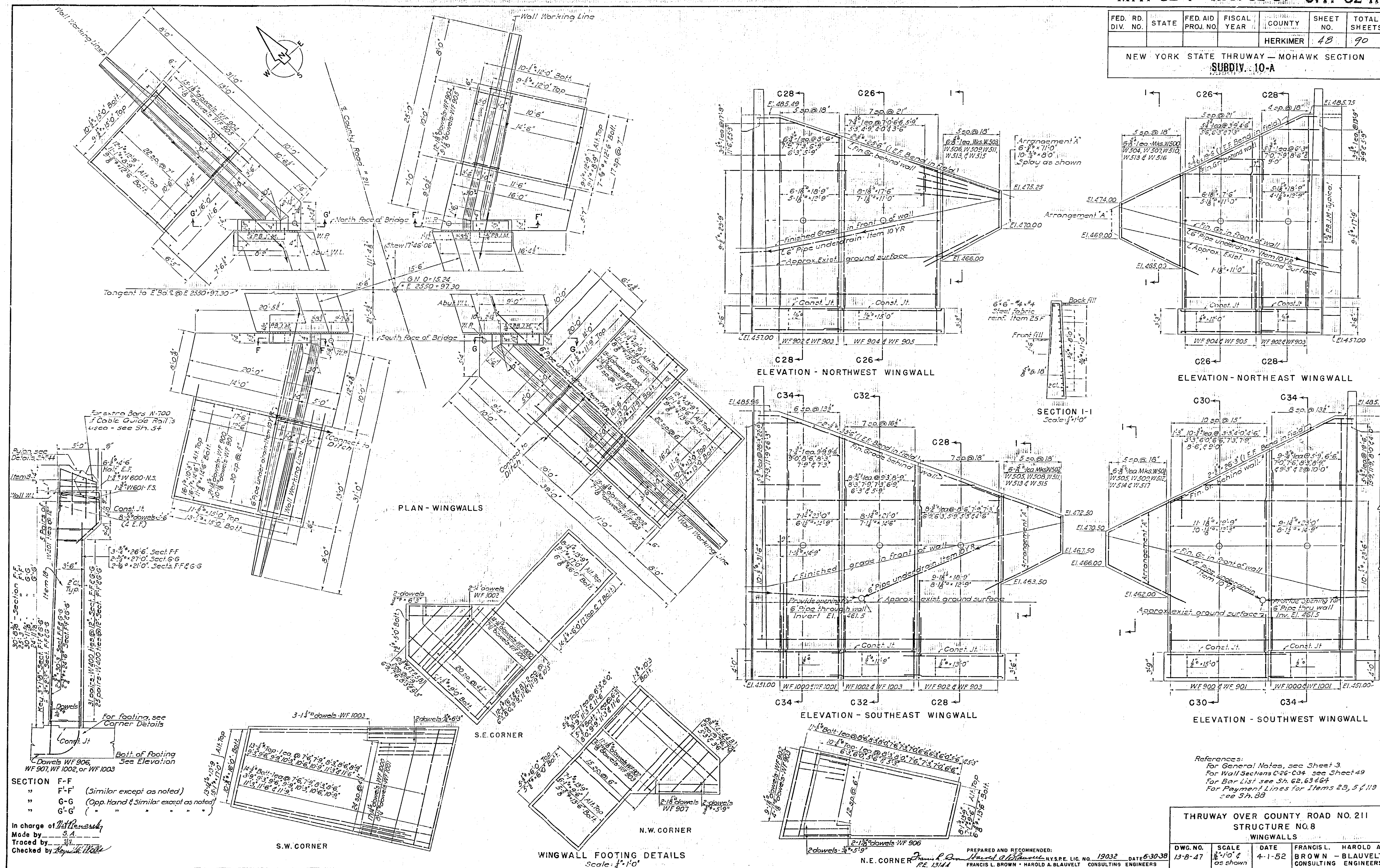
NEW YORK STATE THRUWAY - MOHAWK SECTION

In charge of Mattham
Made by _____
Traced by SAC
Checked by _____

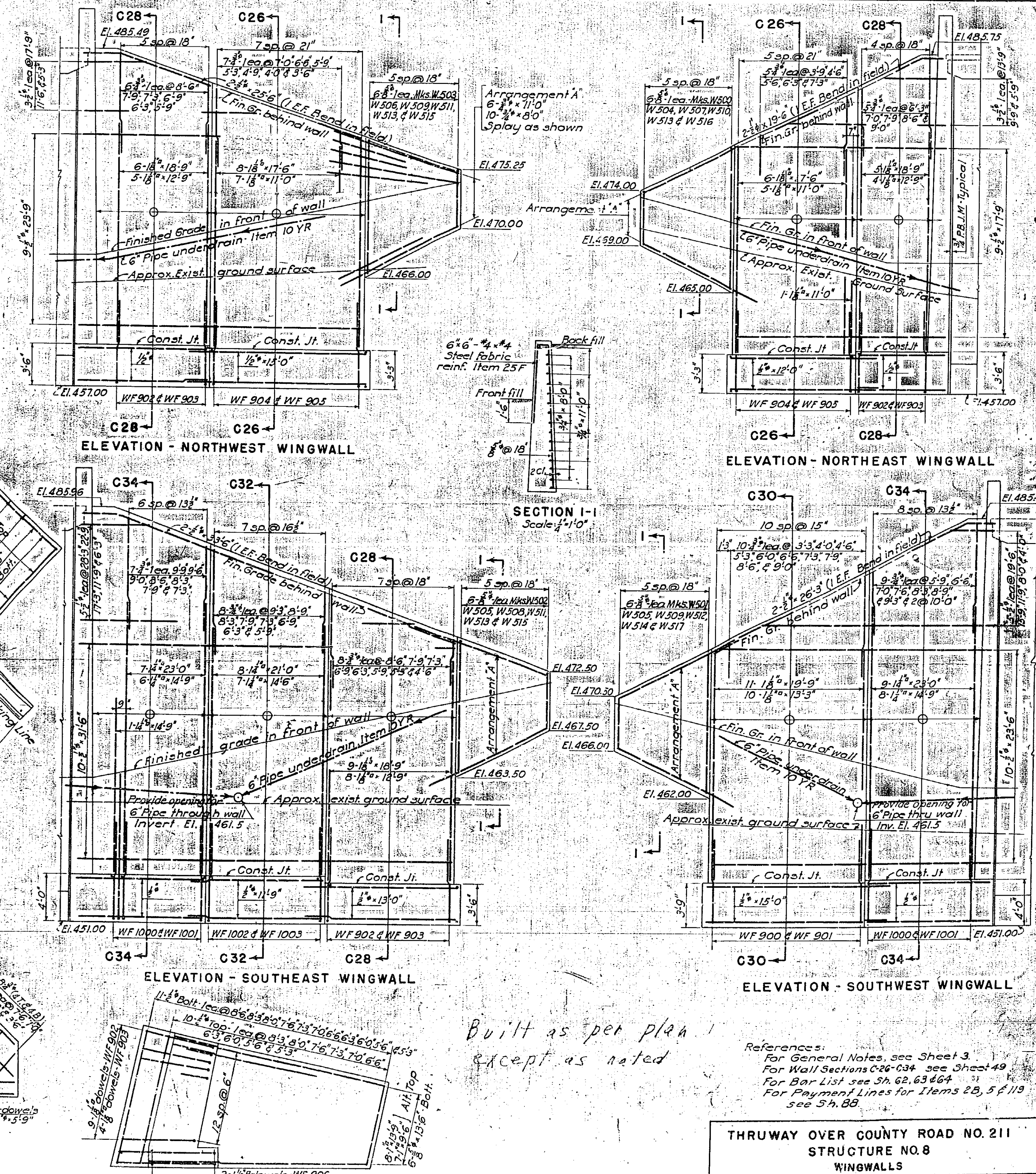
PREPARED AND RECOMMENDED:
Harold A. Blumstein N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38

THRUWAY OVER COUNTY ROAD NO. 211				
STRUCTURE NO. 8				
ABUTMENTS--NORTH HALF				
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13 B 46	As Shown	4-1-52	CONSULTING ENGINEERS	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	48	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						



Arrangement A
6- $\frac{3}{4}$ " x 11'-0"
10- $\frac{3}{4}$ " x 8'-0"
Splay as shown



Built as per plan
except as noted

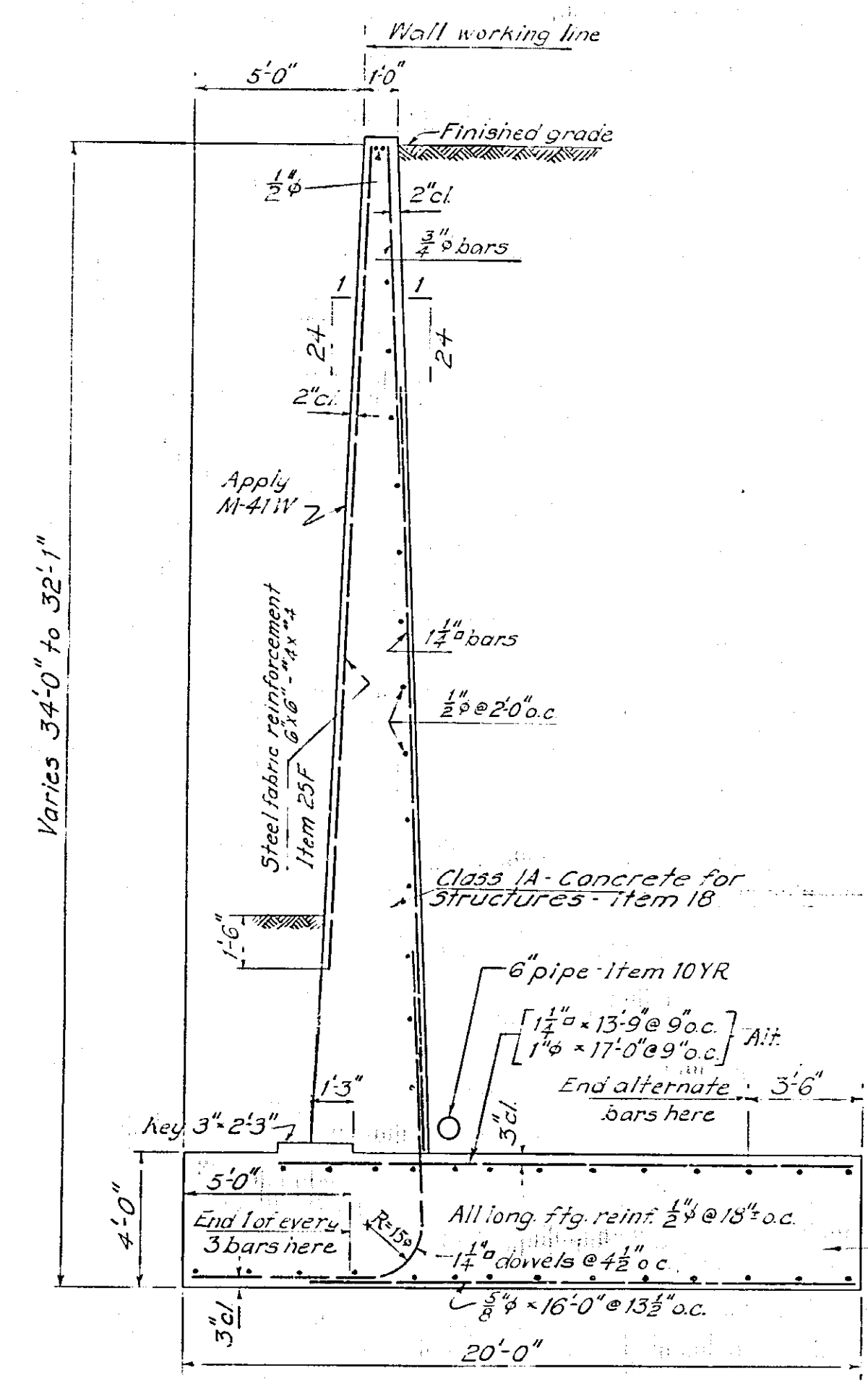
References:
For General Notes, see Sheet 3.
For Wall Sections C-26-C34 see Sheet 49
For Bar List see Sh. 62, 63 & 64
For Payment Lines for Items 2B, 5 & 119
see Sh. 88.

THRUWAY OVER COUNTY ROAD NO. 211
STRUCTURE NO. 8
MINOWALLS

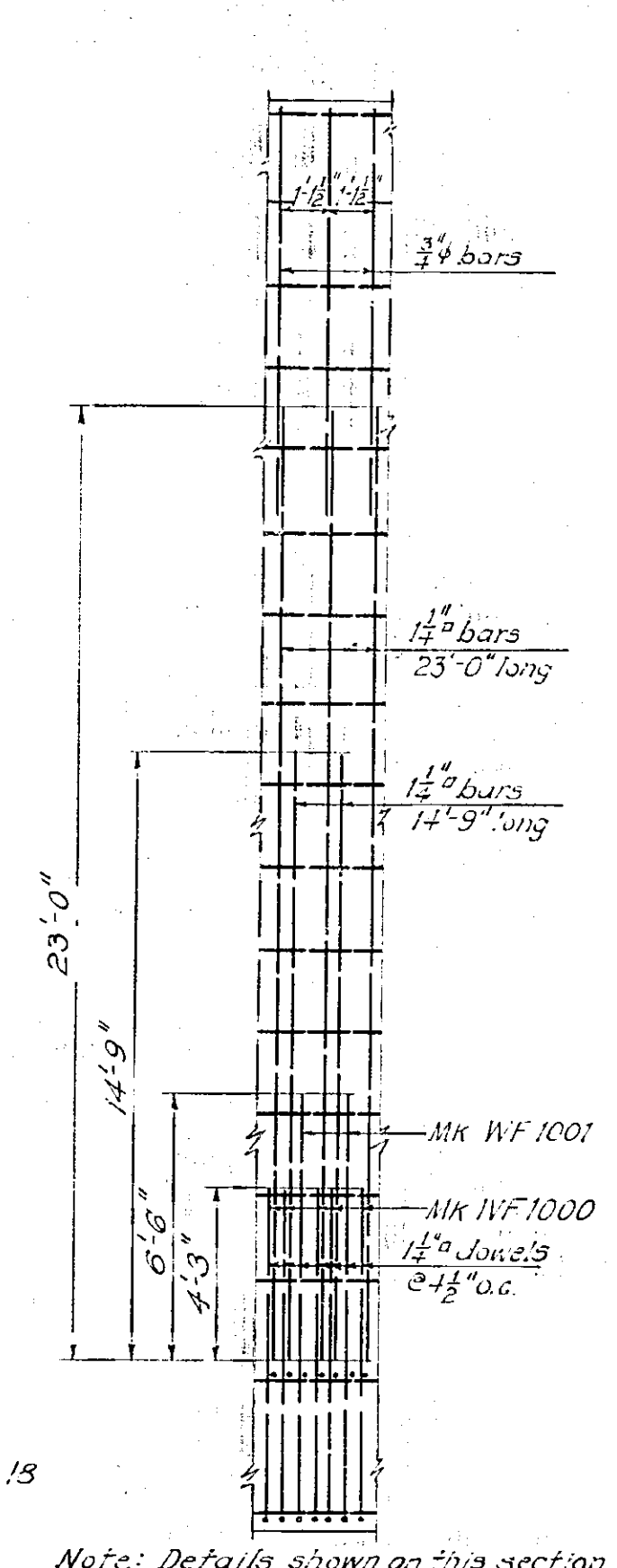
DWG. NO. 13-B-47	SCALE $\frac{3}{8}'' = 1'-0''$ as shown	DATE 4-1-52	FRANCIS L. HAROLD A BROWN - BLAUVEL CONSULTING ENGINEER
---------------------	---	----------------	---

PREPARED AND RECOMMENDED:
N.E. CORNER Francis & Brown / Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-36
RE 1344 FRANCIS L. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS

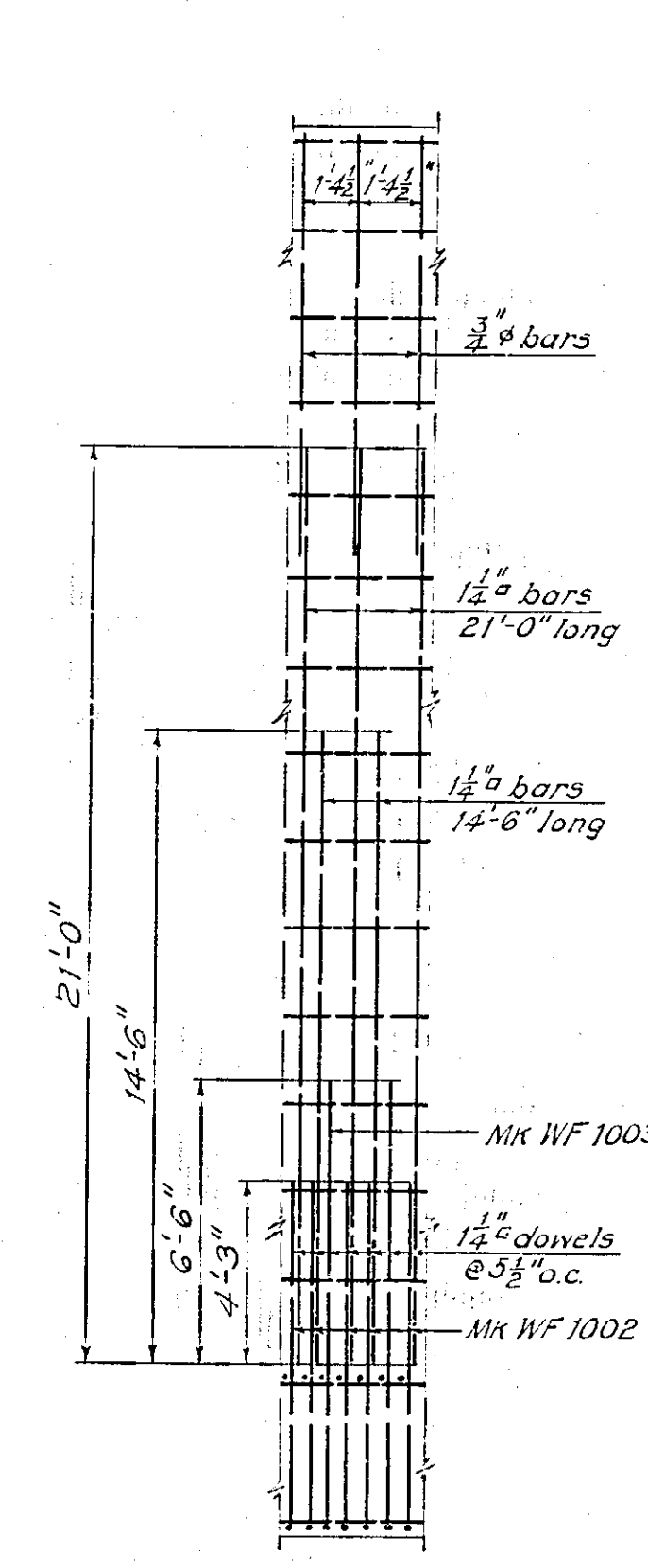
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	49	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						



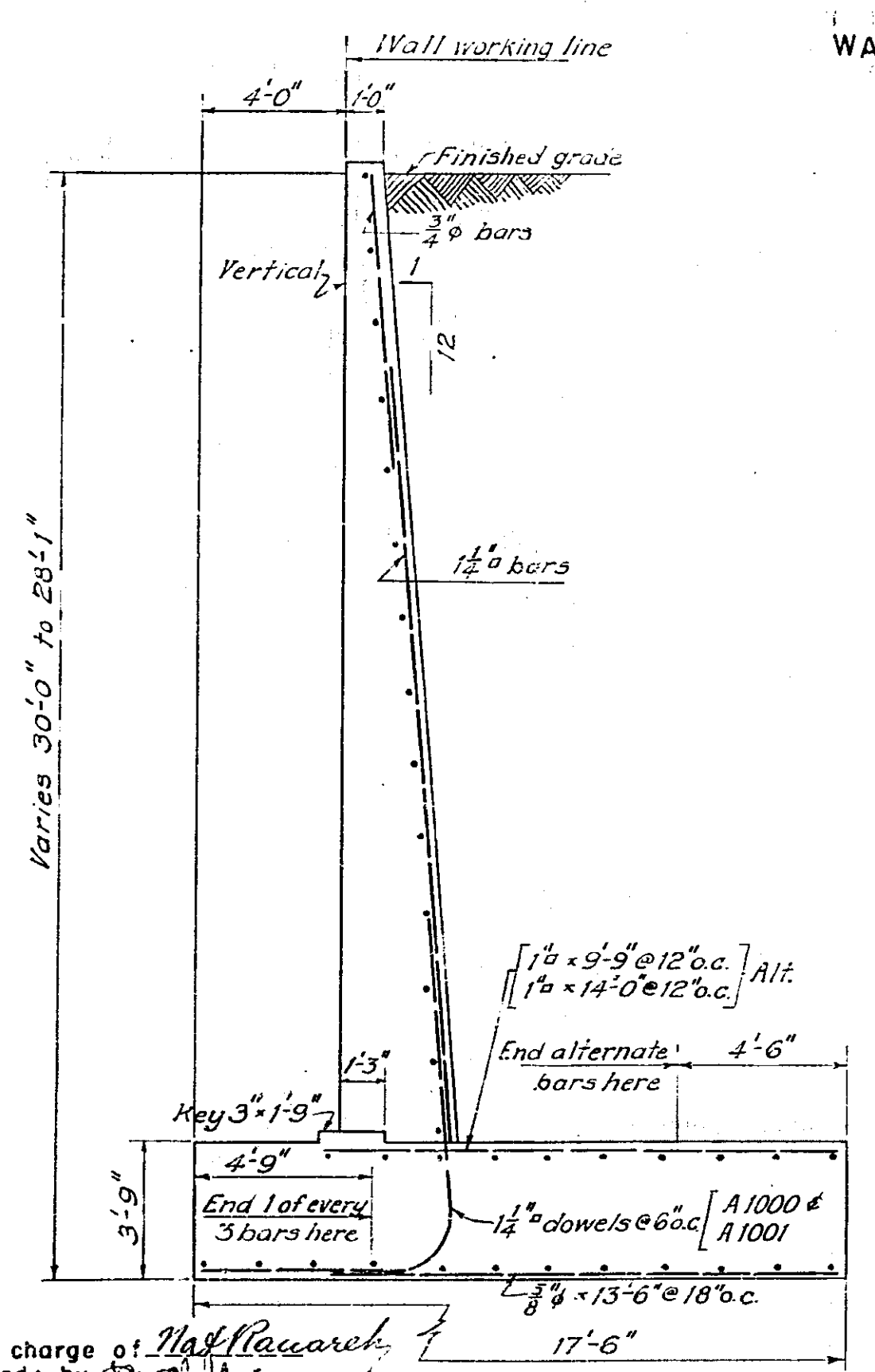
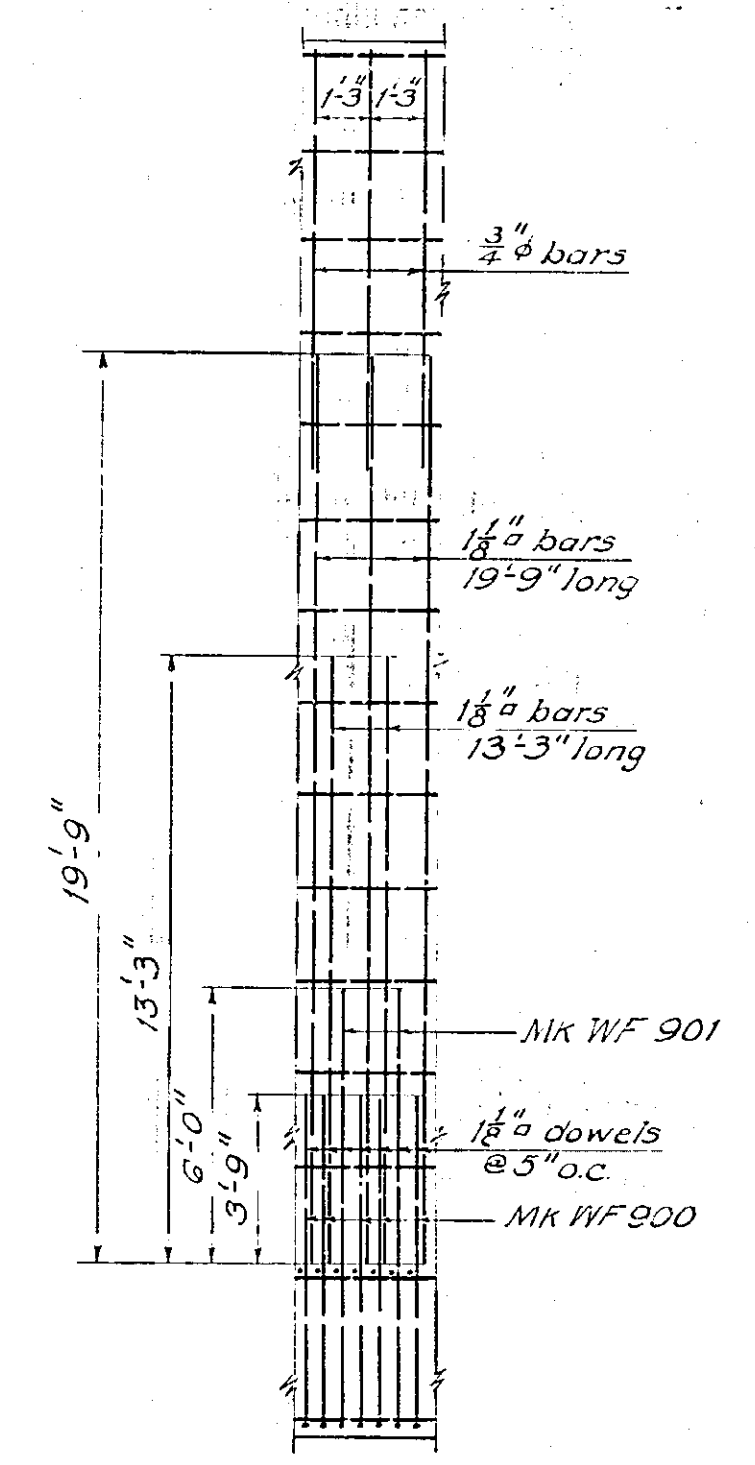
WALL SECTION C-34



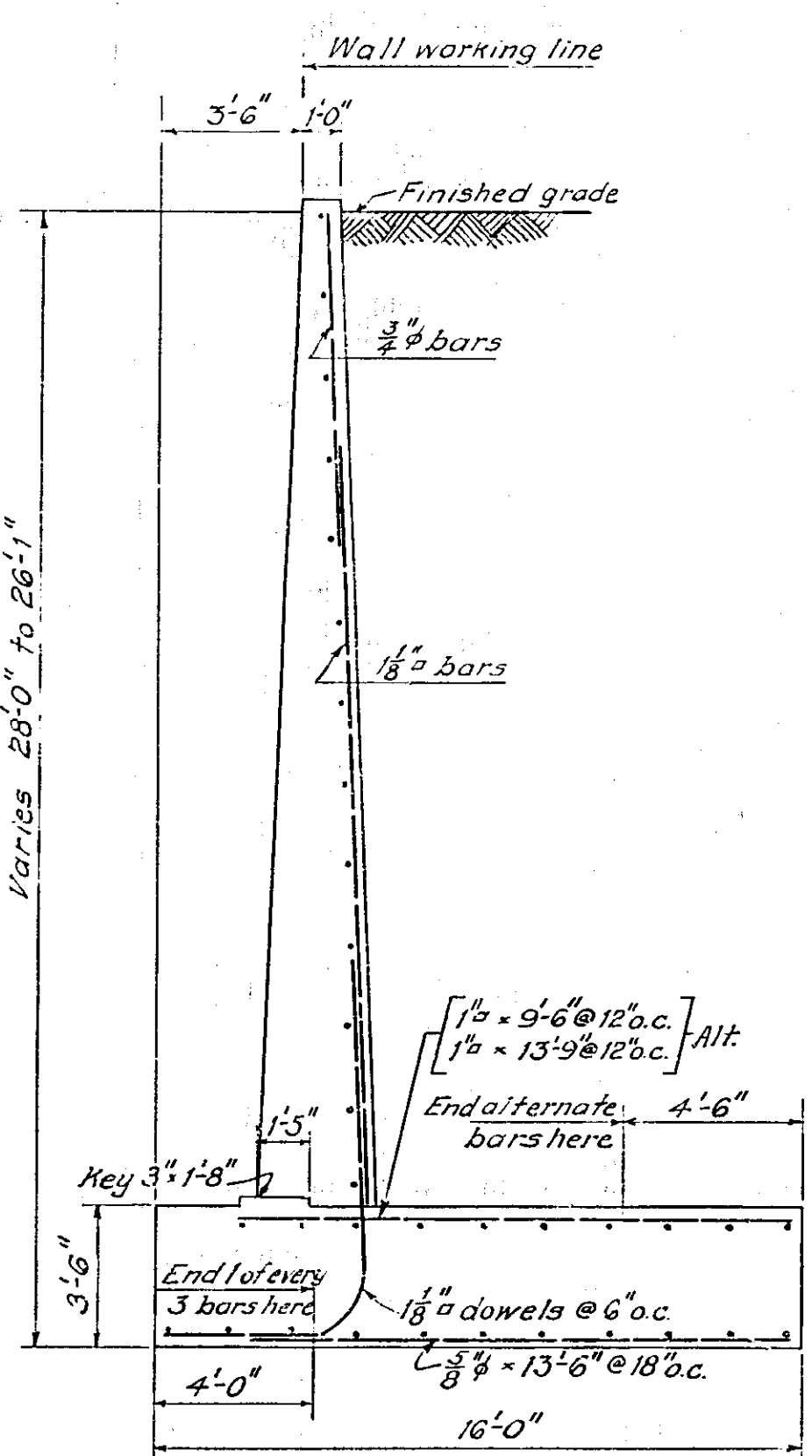
WALL SECTION C-32



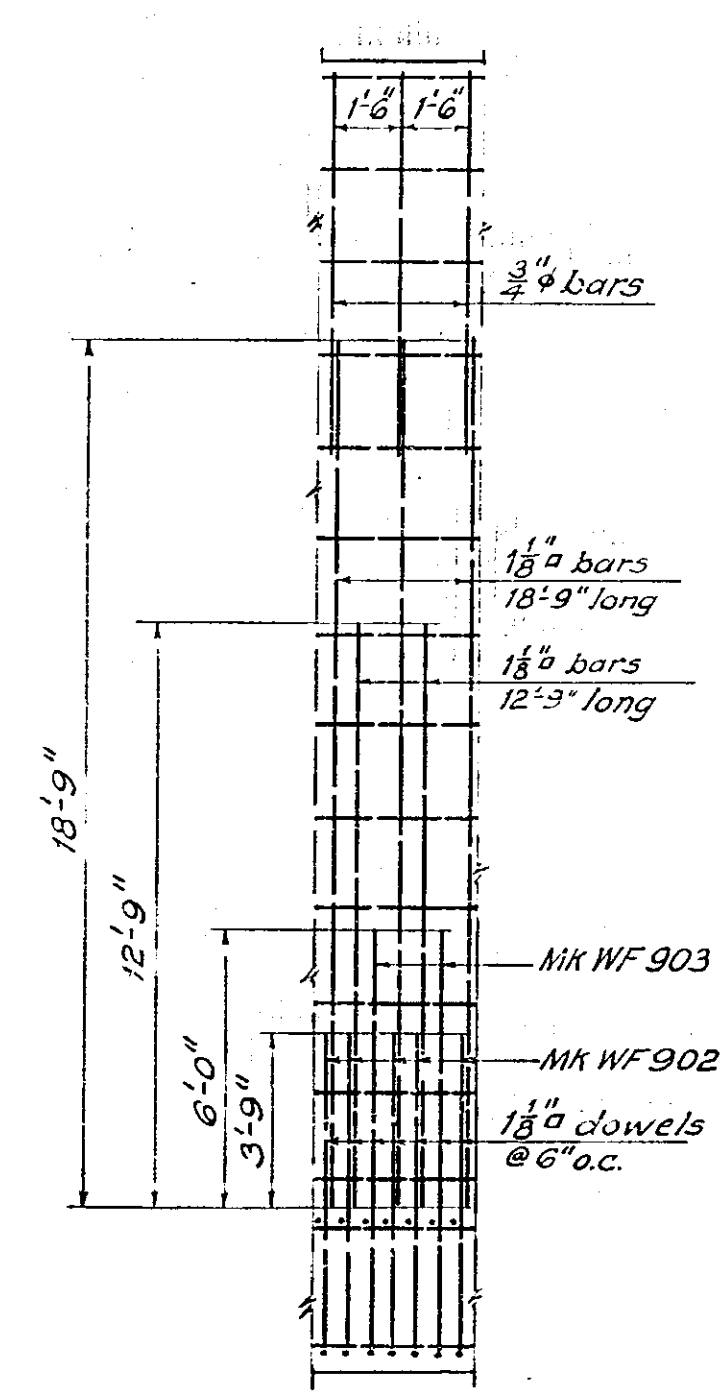
WALL SECTION C-30



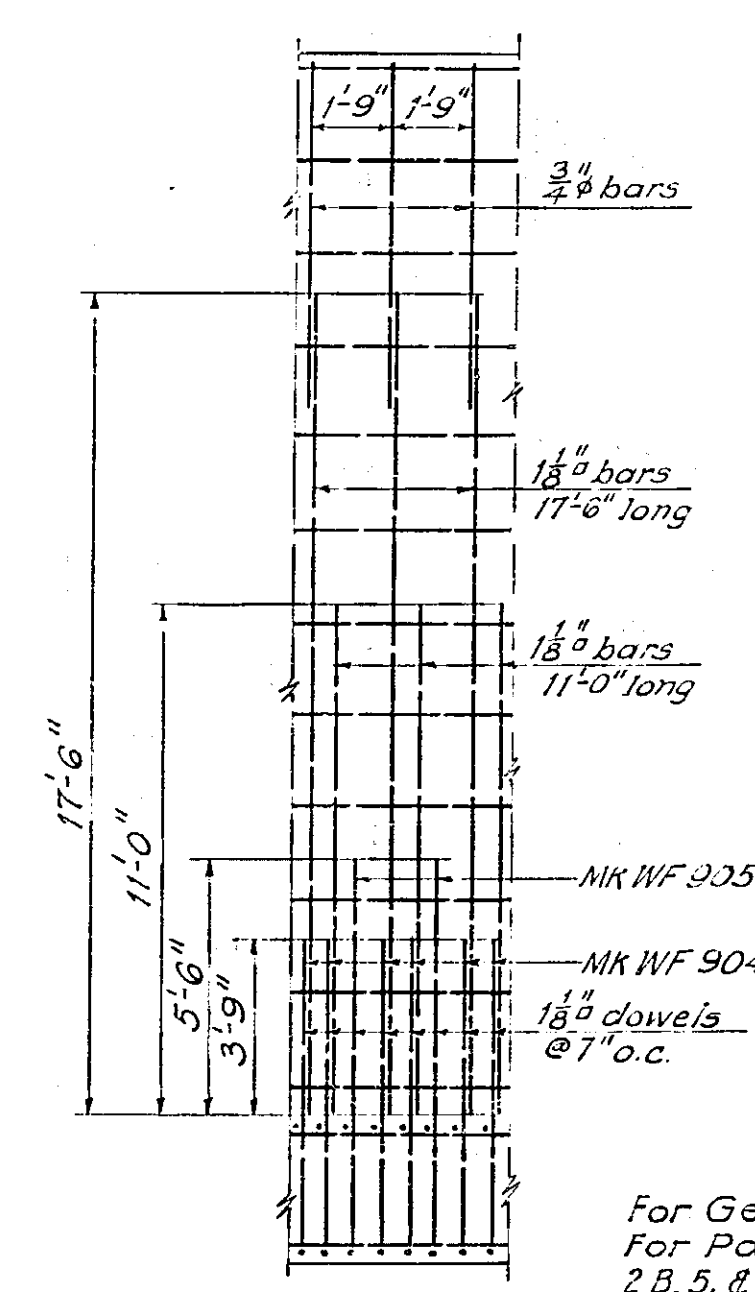
WALL SECTION C-30-V



WALL SECTION C-28



WALL SECTION C-26



WALL SECTION	SOIL PRESSURE @ TDE (TONS PER SQ. FT.)
C-34	3.3
C-32	3.3
C-30	3.2
C-30-V	3.0
C-28	3.1
C-26	3.0

For General Notes see Sh. 3
For Payment lines for Items 2, 5, & 119 see Sh. 88

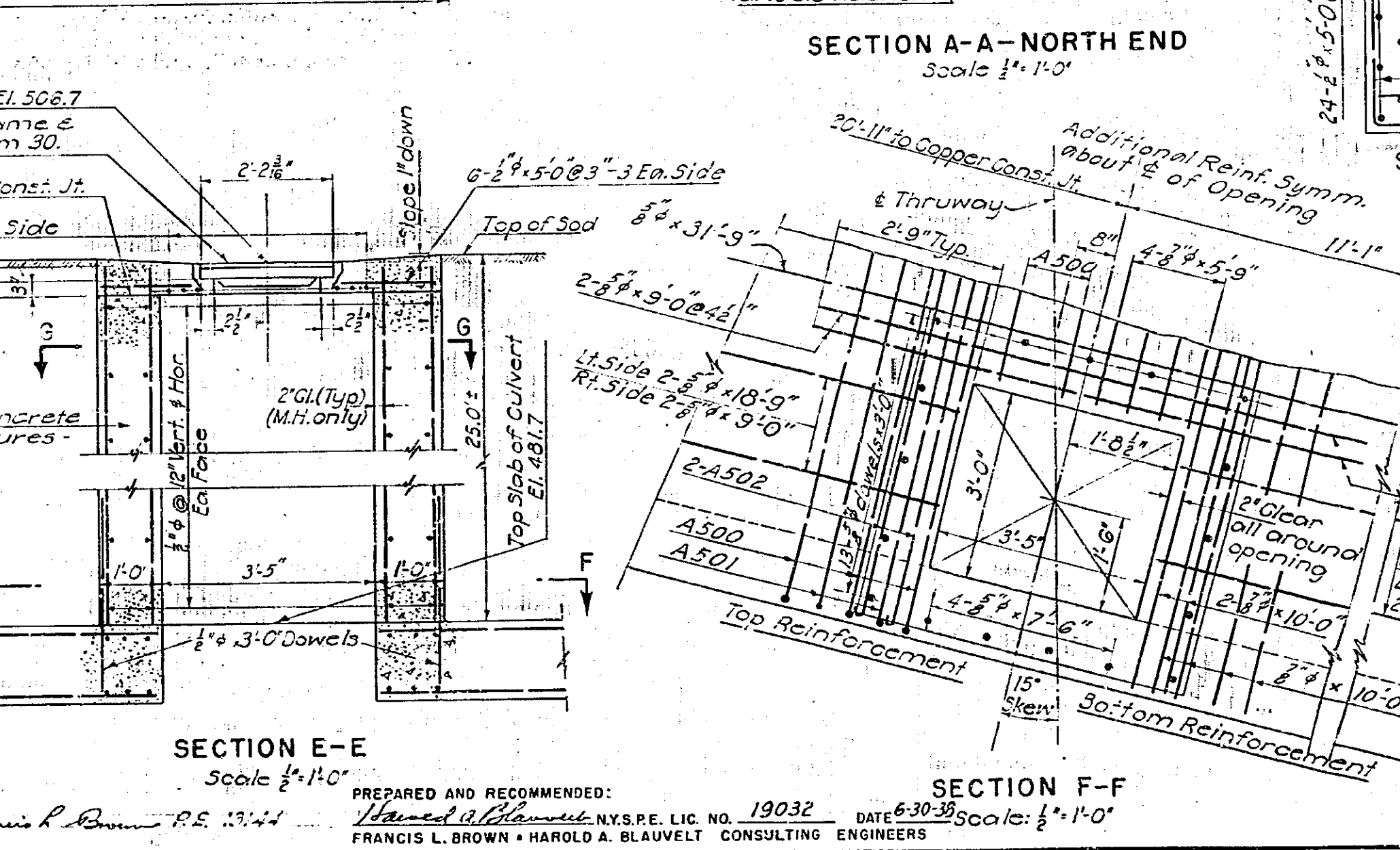
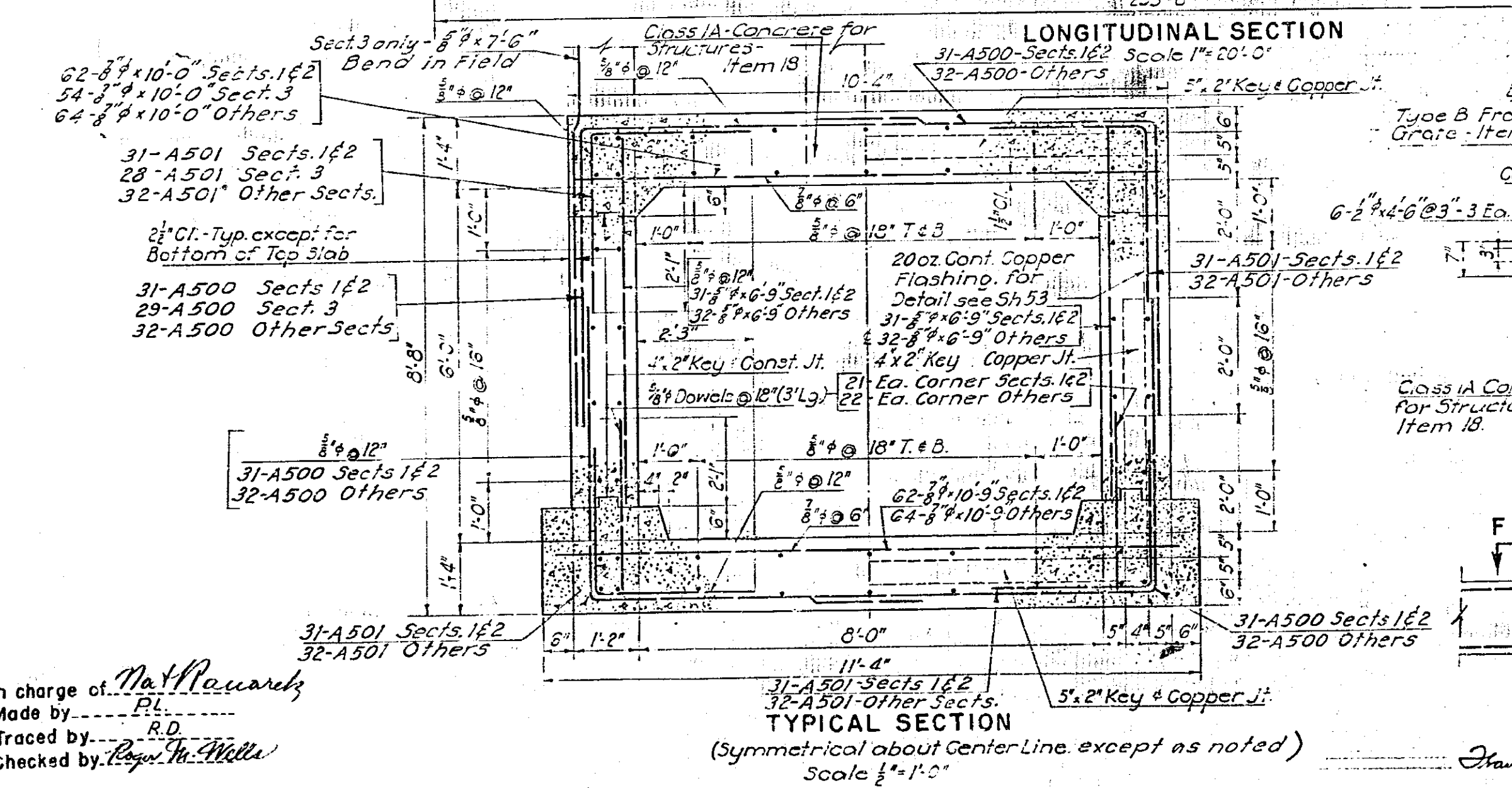
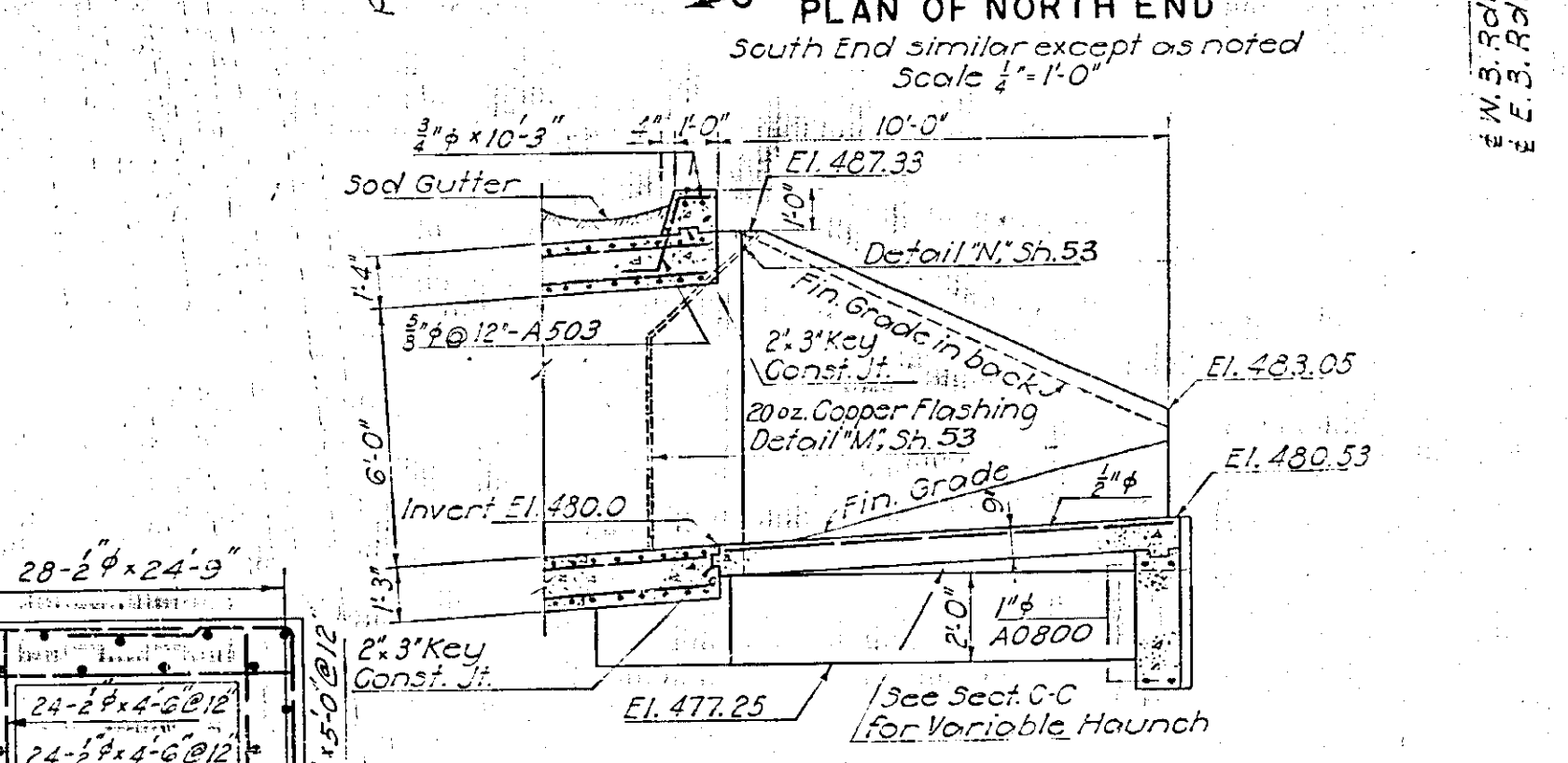
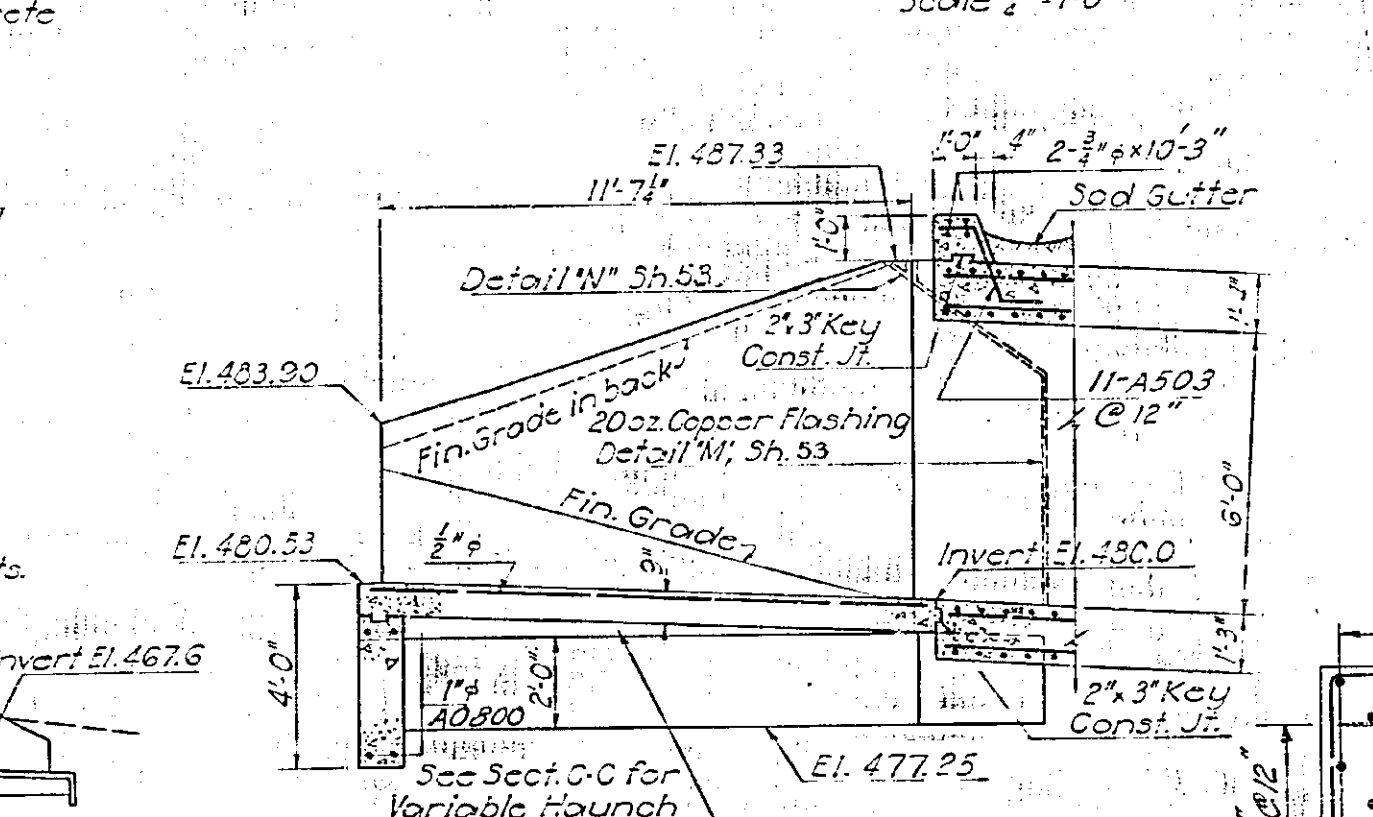
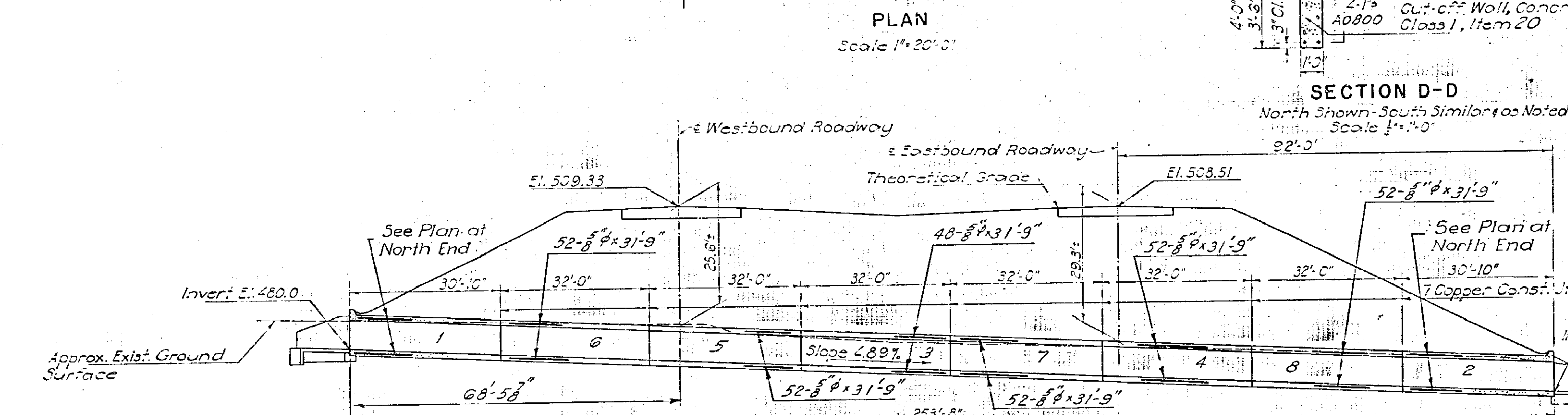
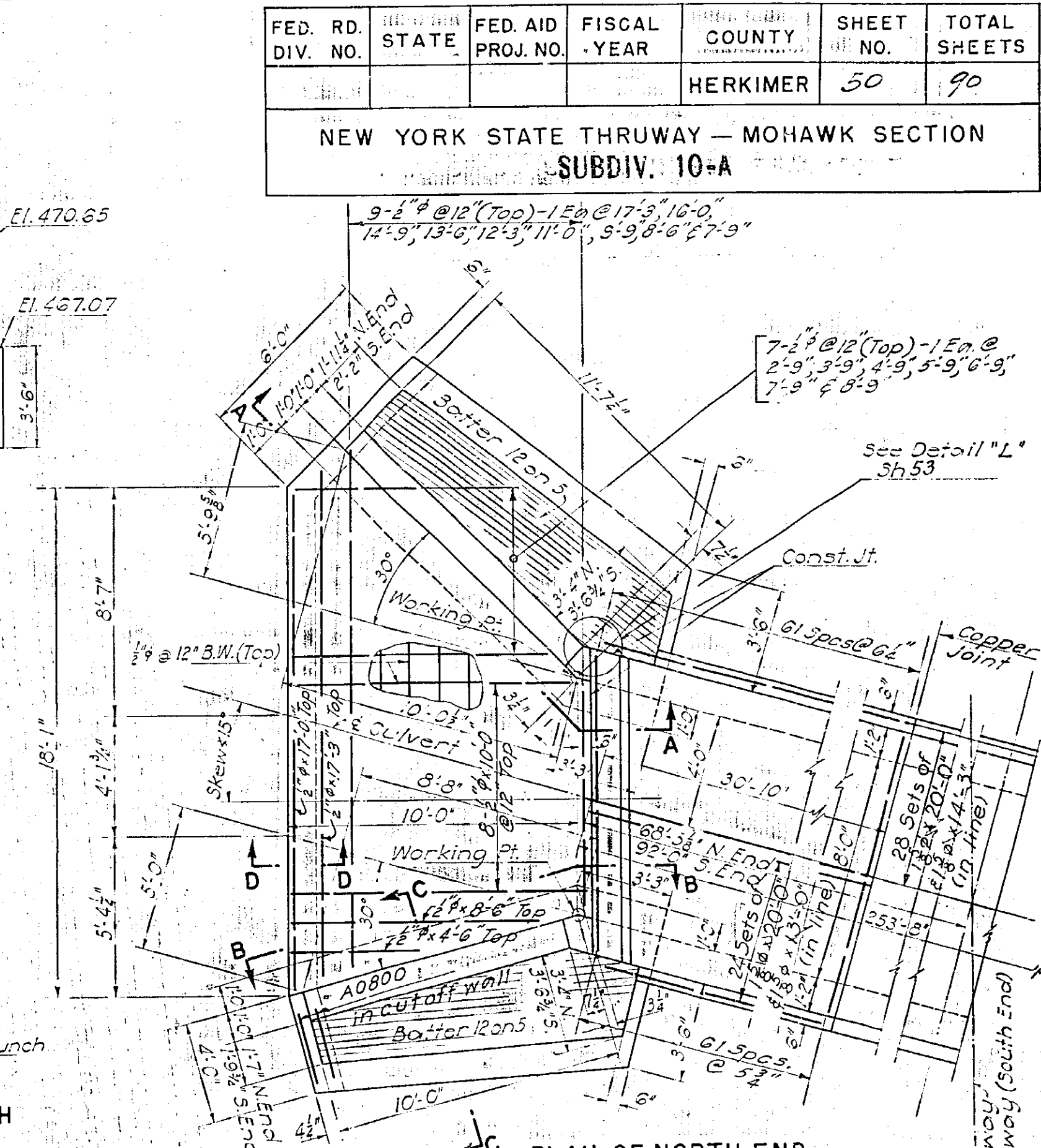
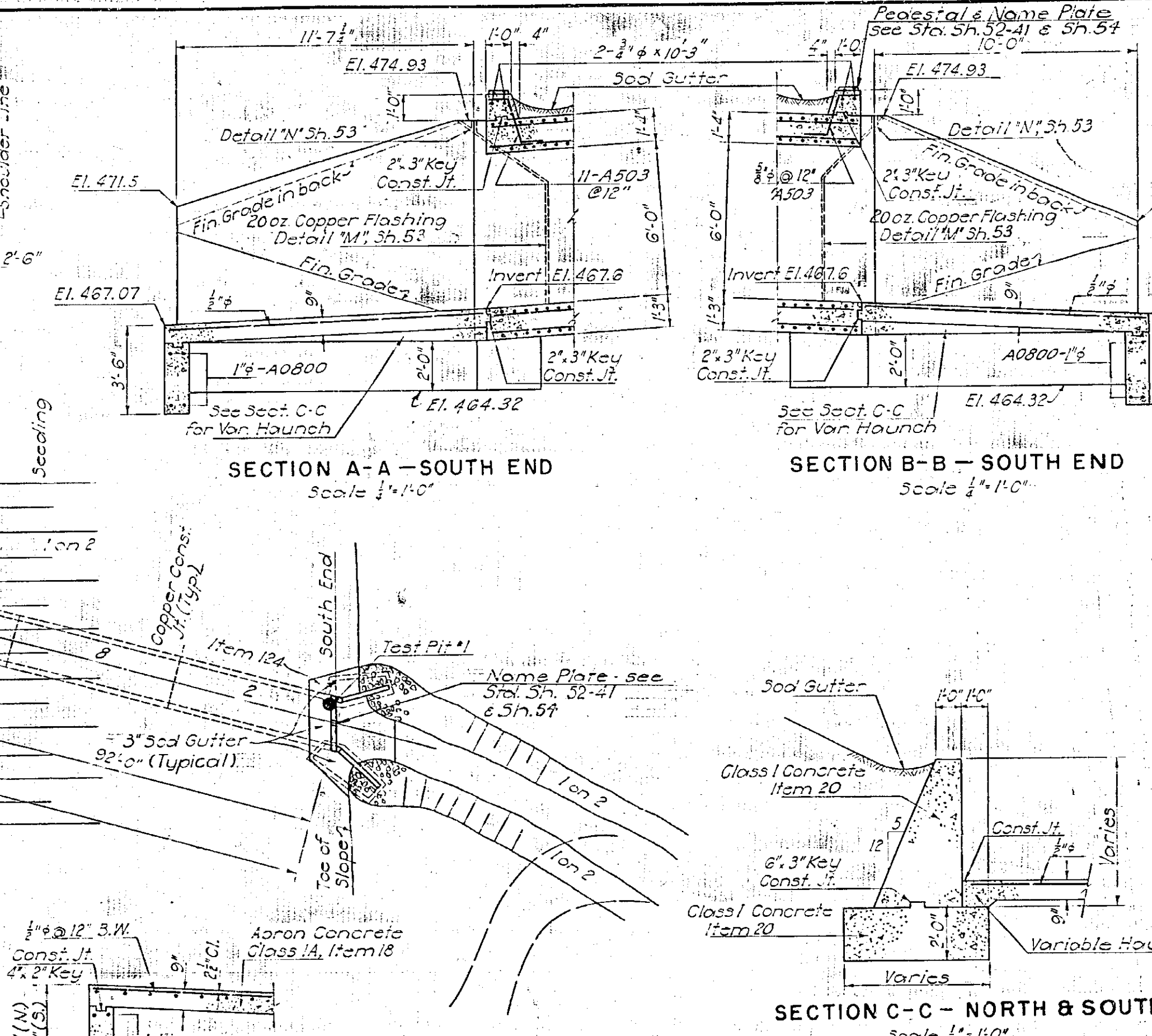
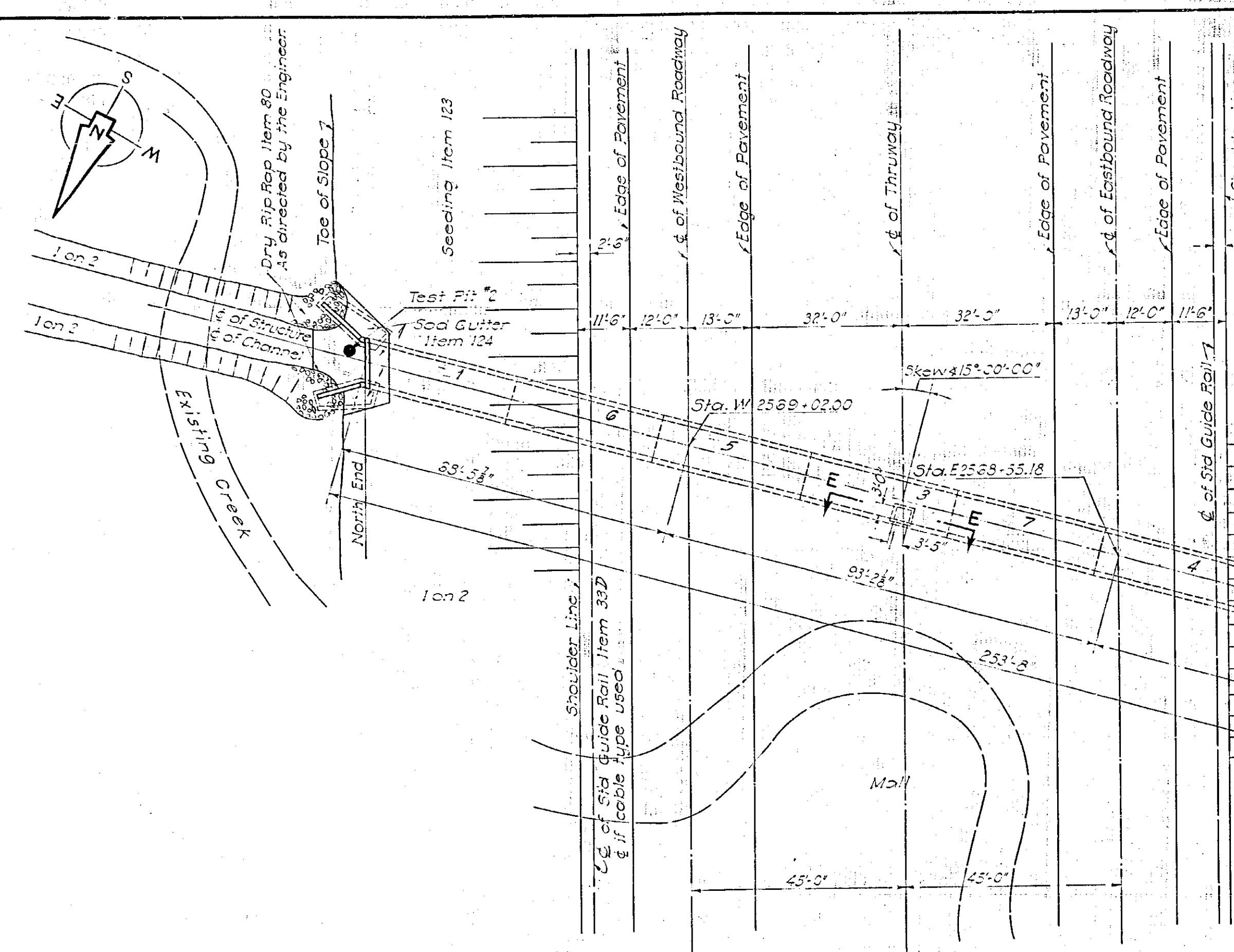
In charge of *W. R. R. R.*
Made by *W. R. R. R.*
Traced by *W. R. R. R.*
Checked by *W. R. R. R.*

PREPARED AND RECOMMENDED:
Francis L. Brown P.E. 13144
DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13B-48	1/4" = 1'-0"	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	50	90

NEW YORK STATE THRUWAY — MOHAWK SECTION
SUBDIV. 10-A



ESTIMATE OF QUANTITIES

Item No.	Description	Unit	Neat	Rounded
5	Trench, Culvert & Bridge Excavation	C.Y.	1,260	1,450
15-2	Portland Cement, Type 2	Bbl.	618	670
15-N	Natural Cement, Type N	Bbl.	86	100
18	Class 1A Concrete for Structures	C.Y.	431	460
20	Class 1 Concrete	C.Y.	47	50
28	Bar Reinforcement for Structures	Lb.	43,070	44,700
30	Miscellaneous Metals	Lb.	175	200
80	Dry Rip-Rap	C.Y.	10	20
82	Coferdams	SF.	400	1,000
119	Run of Bank Gravel Fill	C.Y.	55	75
121	Sodding	S.Y.	24	25

References:
Details of Sodding to be as shown on Std. Sh. 50-34, except as otherwise shown on this plan.
For details of Rip rap see Sheet 87.
For General Notes see Sh. 3.
For Std. Guide Rail, Item 32, see Std. Shs.
For Bar List see Sh. 64.
For Payment Lines for Item 28-5 & 119 see Sh. 88.

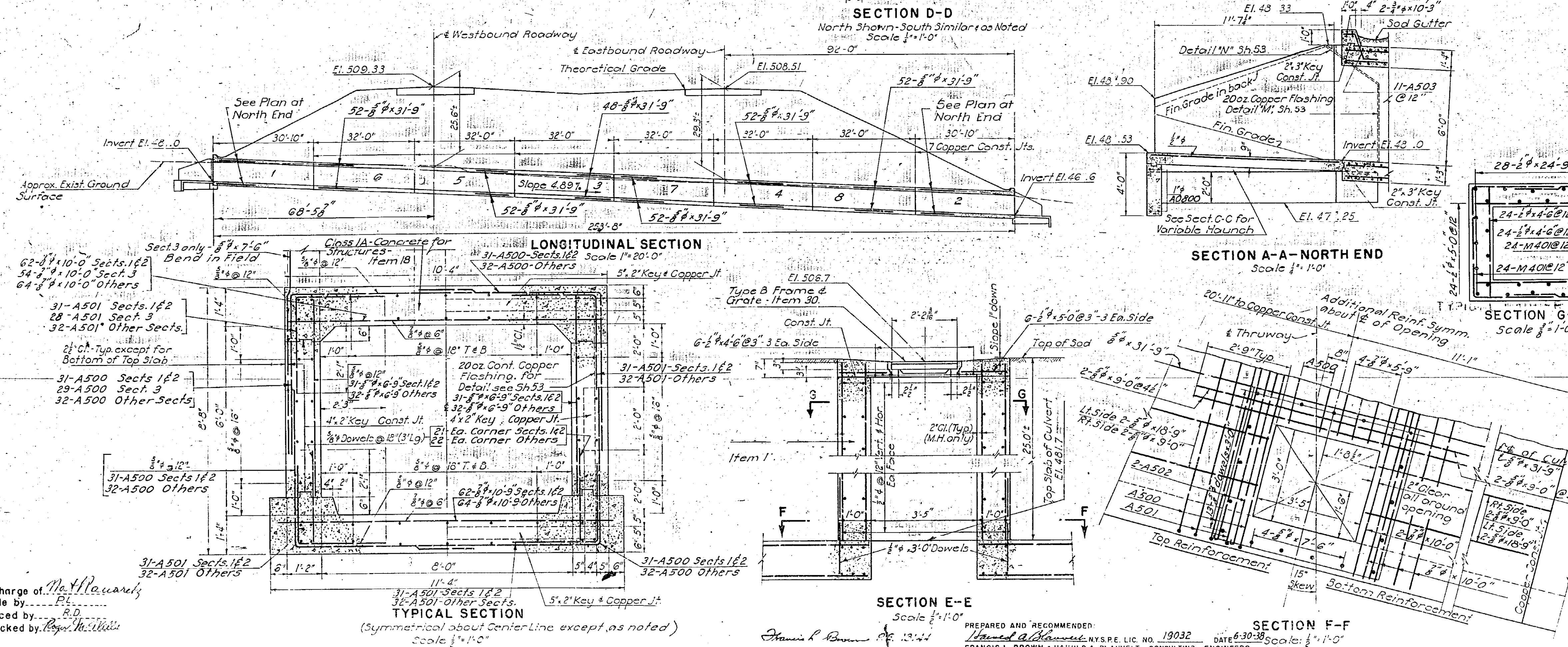
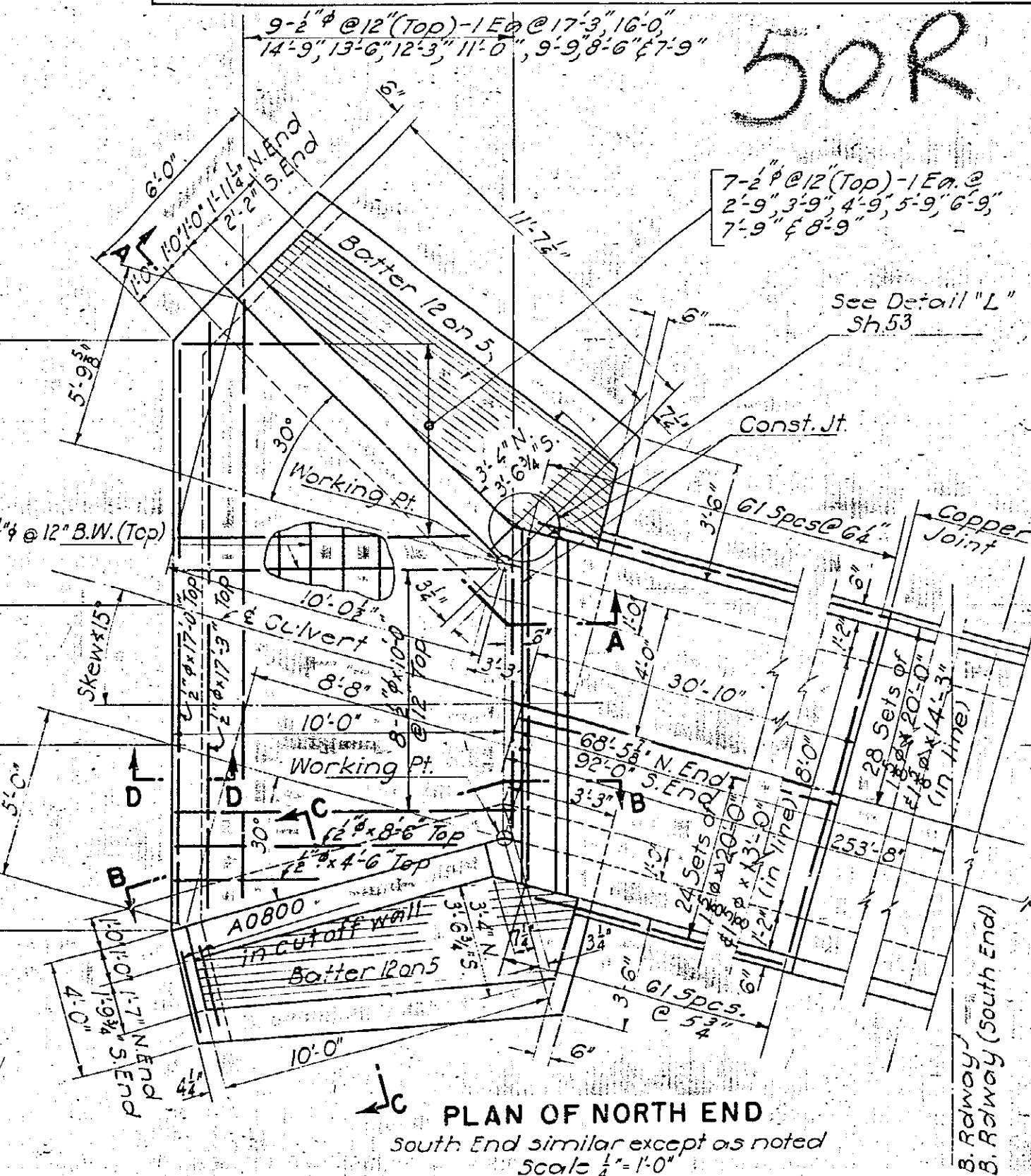
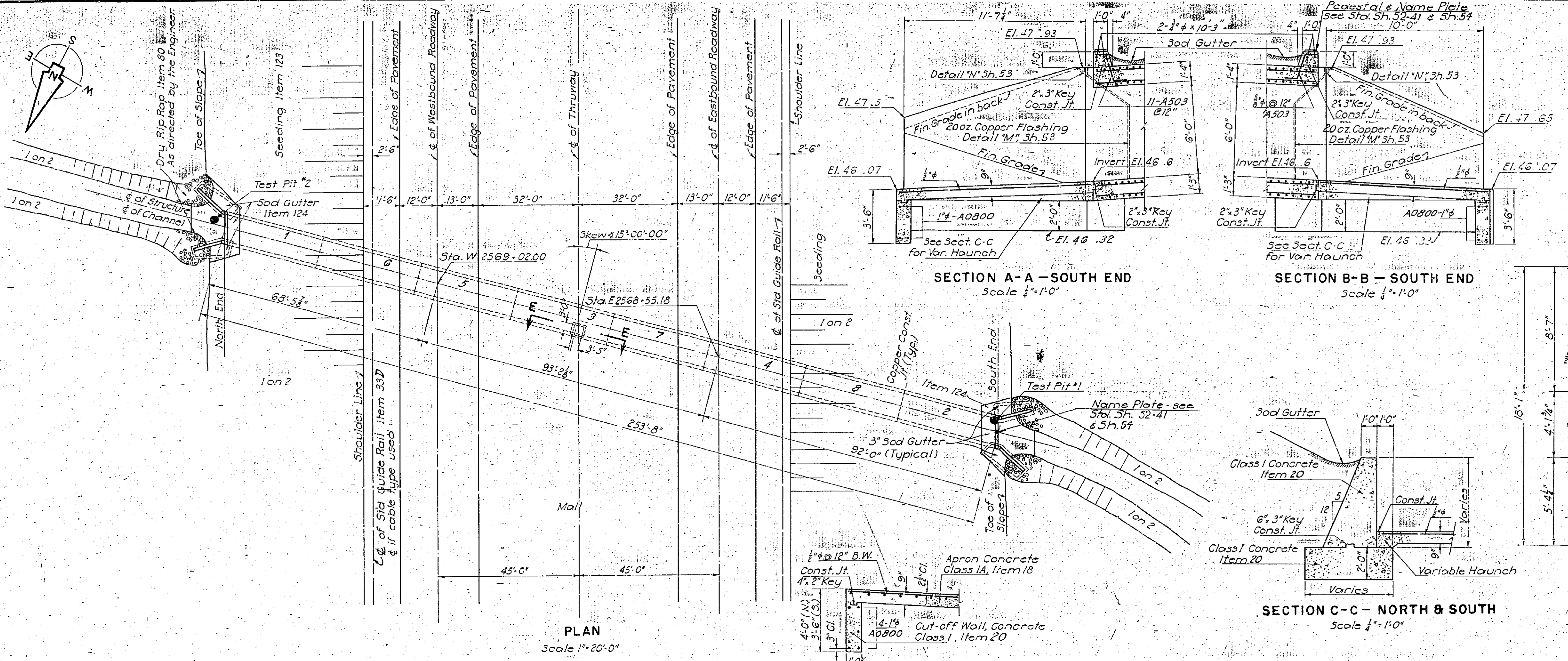
STREAM CULVERT AT STA. 2569+02.00
STRUCTURE NO. 9
PLAN, SECTIONS & DETAILS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13-B-49	As Shown	4-1-52		

PREPARED AND RECOMMENDED:
FRANCIS L. BROWN - HAROLD A. BLAUVELT
CONSULTING ENGINEERS

In charge of: *Francis L. Brown*
Made by: *H.A. Blauvelt*
Traced by: *R.D.*
Checked by: *Raymond M. Miller*

50R



ESTIMATE OF QUANTITIES				
Item No.	Description	Unit	Neat	1. + 1
5	Trench, Culvert & Bridge Excavation	C.Y.	1,260	14.15
15-2	Portland Cement, Type 2	Bbl.	618	6.54
15-N	Natural Cement, Type N	Bbl.	86	0.22
18	Class I-A Concrete for Structures	C.Y.	431	2.24
20	Class I Concrete	C.Y.	47	0.24
28	Bar Reinforcement for Structures	Lb.	43,070	6.64
30	Miscellaneous Metals	Lb.	175	0.01
80	Dry Rip-Rap	C.Y.	10	0.01
82	Cofferdams	S.F.	400	0.01
119	Run of Bank Gravel Fill	C.Y.	55	0.01
124	Sodding	S.Y.	24	0.01

References:
Details of Sodding to be as shown on Std. Sh. 50-34 except as otherwise shown on this plan.
For details of Rip rap see Sheet 67.
For General Notes see Sh. 3.
For Guide Rail, Item 33, see Std. Sh.
For Bar List, see Sh. 64.
For Payment Lines for Item 28-5 & 119 see Sh. 88.

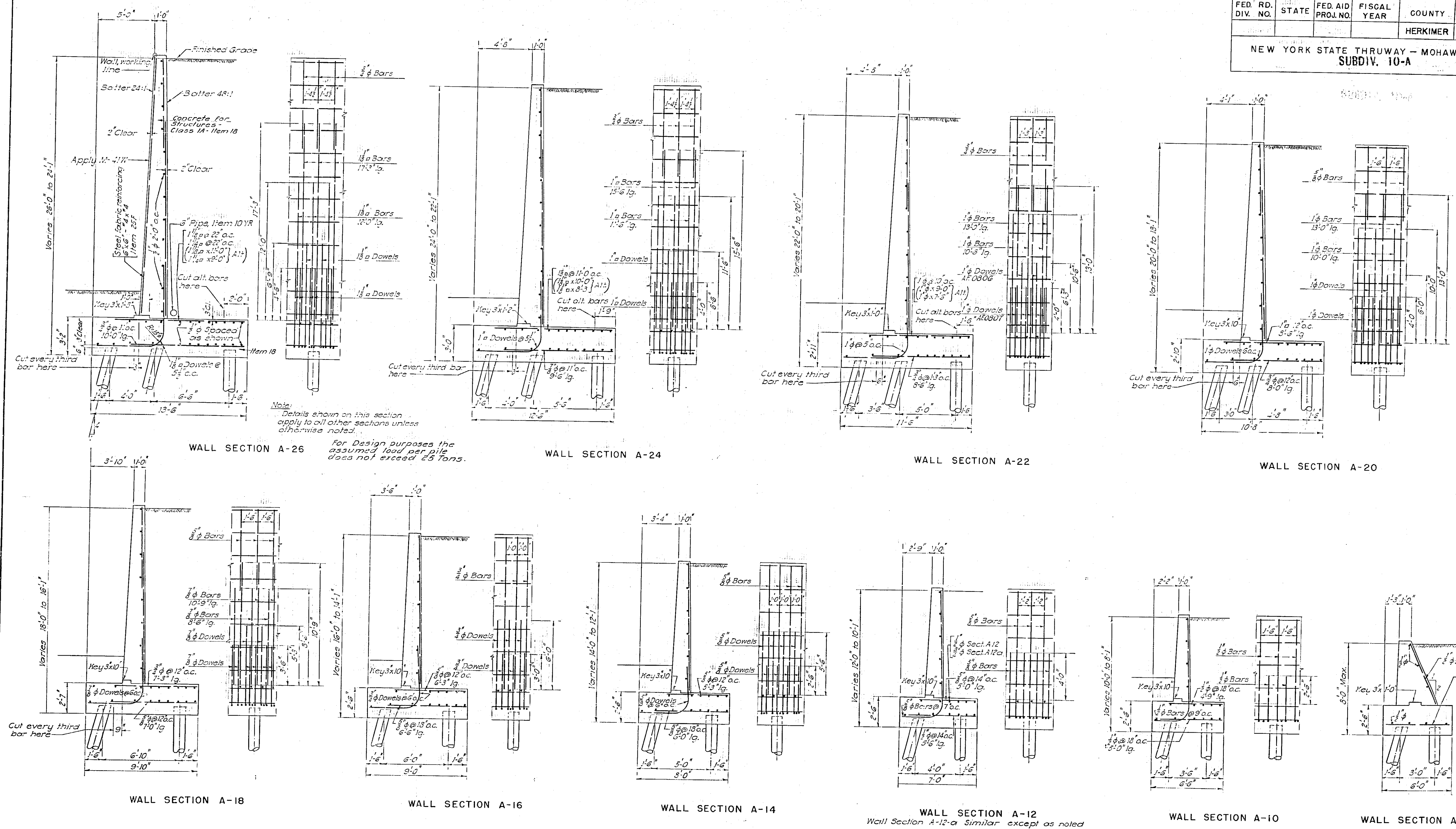
STREAM CULVERT AT STA. 2569+02.00 STRUCTURE NO. 9 PLAN, SECTIONS & DETAILS			
DWG. NO.	SCALE	DATE	BY
13B-49	As Shown	4-1-52	FRANCIS L. BROWN & HAROLD A. BLAUVELT CONSULTING ENGINEERS

In charge of *Math. Hawkins*
Made by *R.D.*
Traced by *R.D.*
Checked by *R.D.*

PREPARED AND RECOMMENDED
Francis L. Brown & Harold A. Blauvelt
N.Y.S.P.E. LIC. NO. 19032
DATE 6-30-38
CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	51	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



Note: Details shown on this section apply to all other sections unless otherwise noted.
For Design purposes the assumed load per pile does not exceed 25 tons.

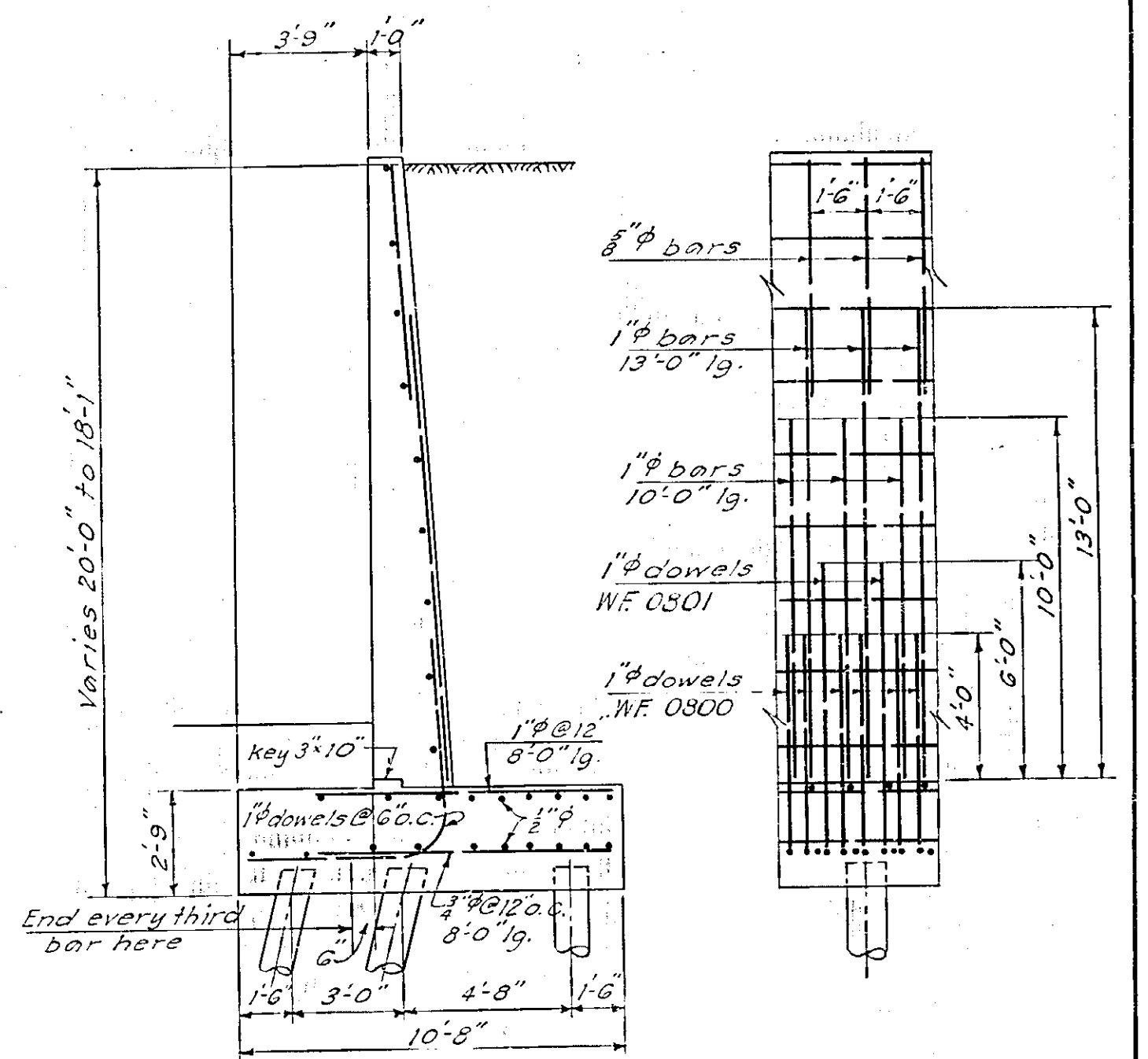
In charge of *W. L. Remarck*
Made by *P.L.*
Traced by *S.A.C.*
Checked by *W. L. Remarck*

Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Harold A. Blauevelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUEVELT CONSULTING ENGINEERS

For General Notes see Sheet 3
For Payment Lines for Items 28, 5 & 119 see Sheet 88.

TYPICAL WALL SECTIONS A-8 TO A-26			
DWG. NO.	SCALE	DATE	ENGINEERS
138-52	1" = 1'-0"	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUEVELT CONSULTING ENGINEERS



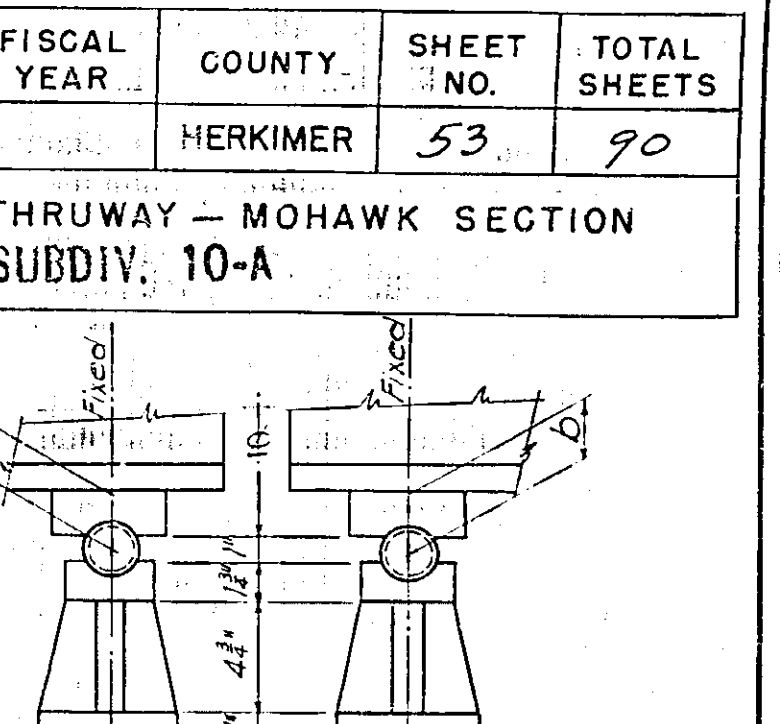
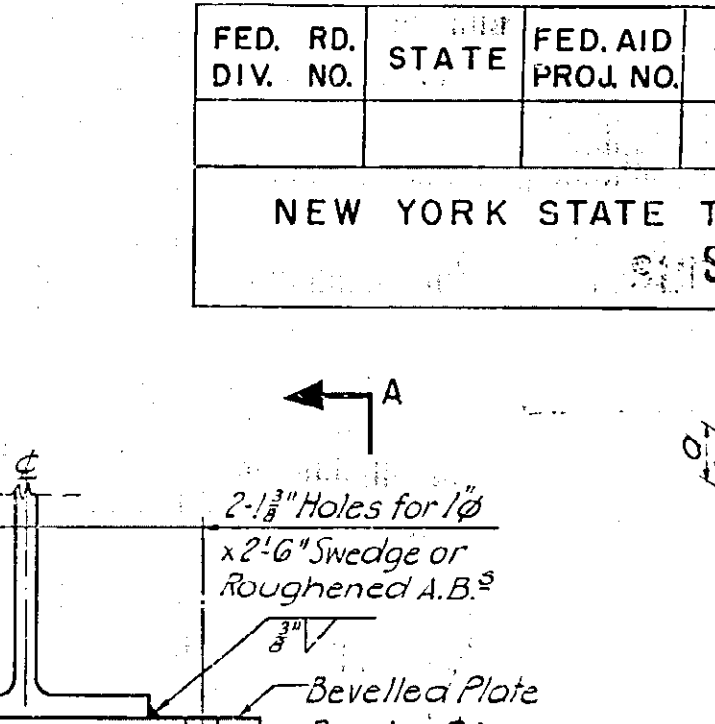
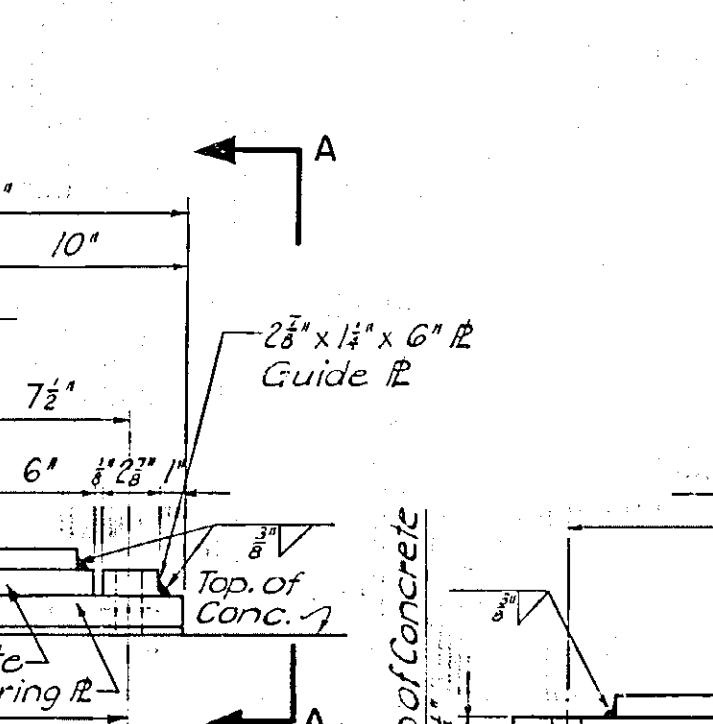
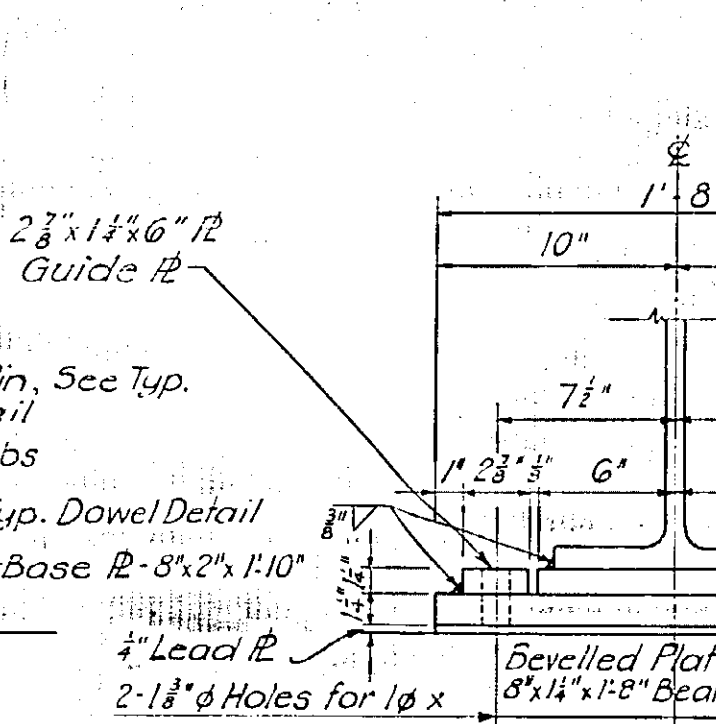
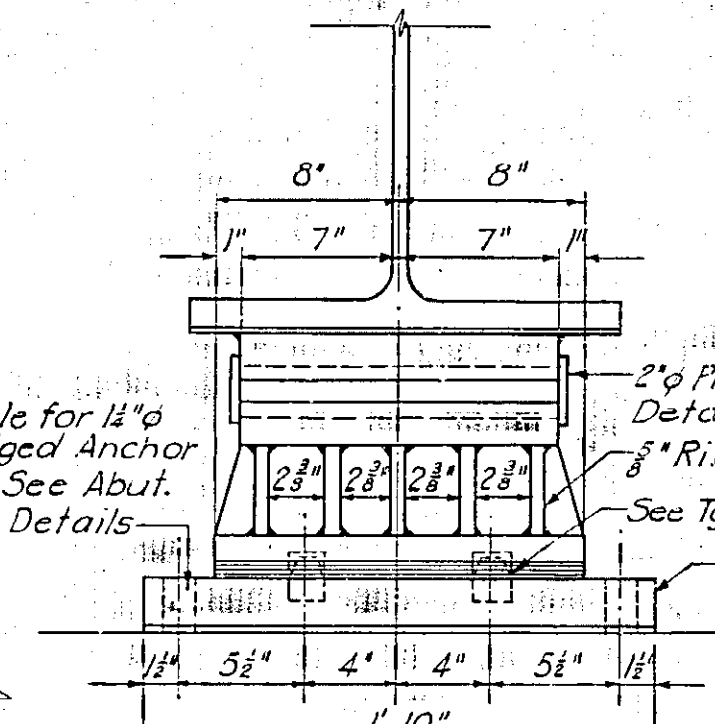
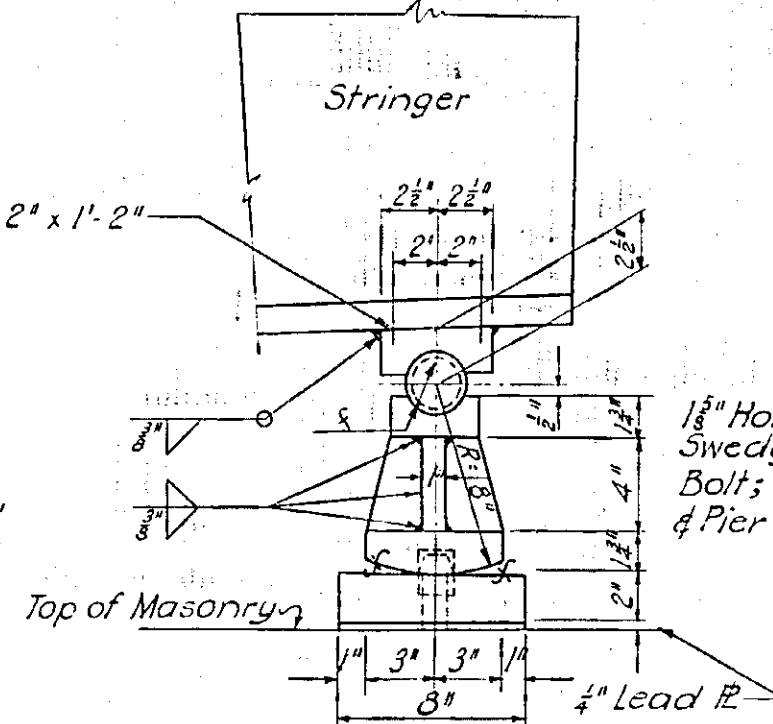
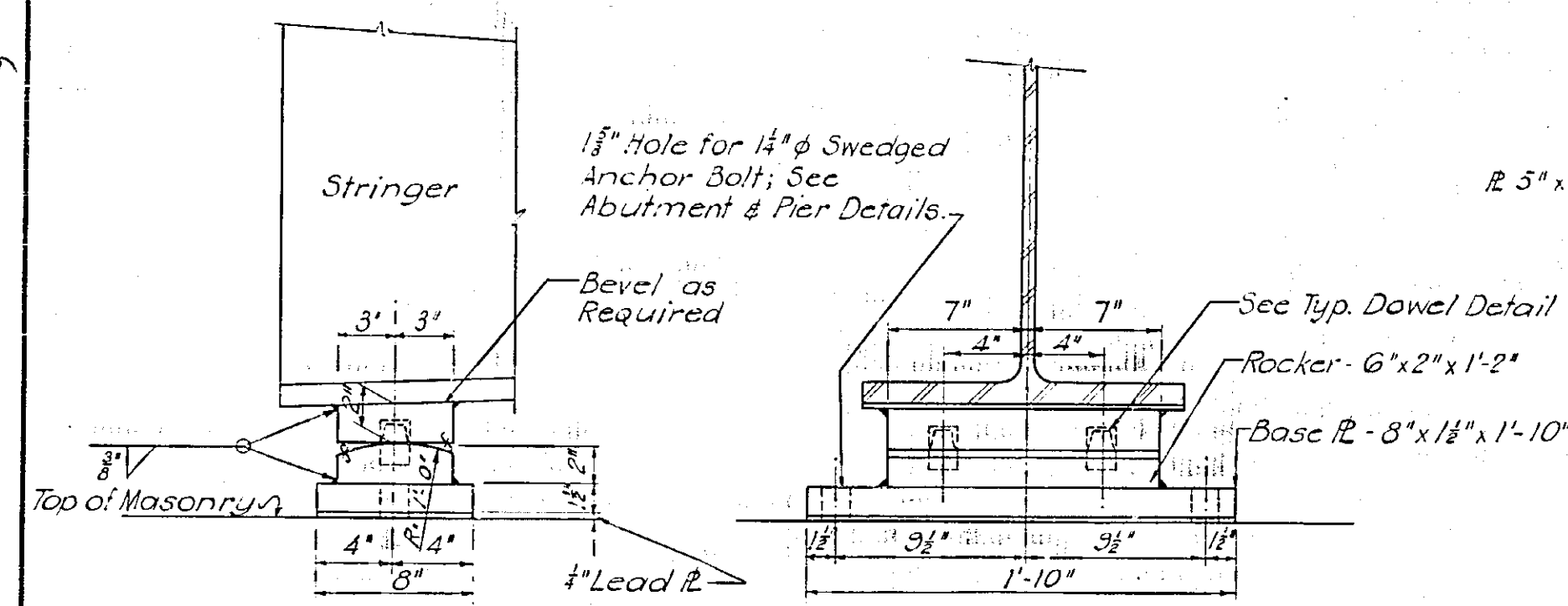
WALL SECTION B-20

WALL SECTION B-8

TYPICAL WALL SECTIONS			
B-8 TO B-26			
DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A.
13B-53	$\frac{1}{4} = 1'-0"$	4-1-52	BROWN - BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	53	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



BEARING "A"
Scale: 1/2" = 1'-0"

BEARING "B"
Scale: 1/2" = 1'-0"

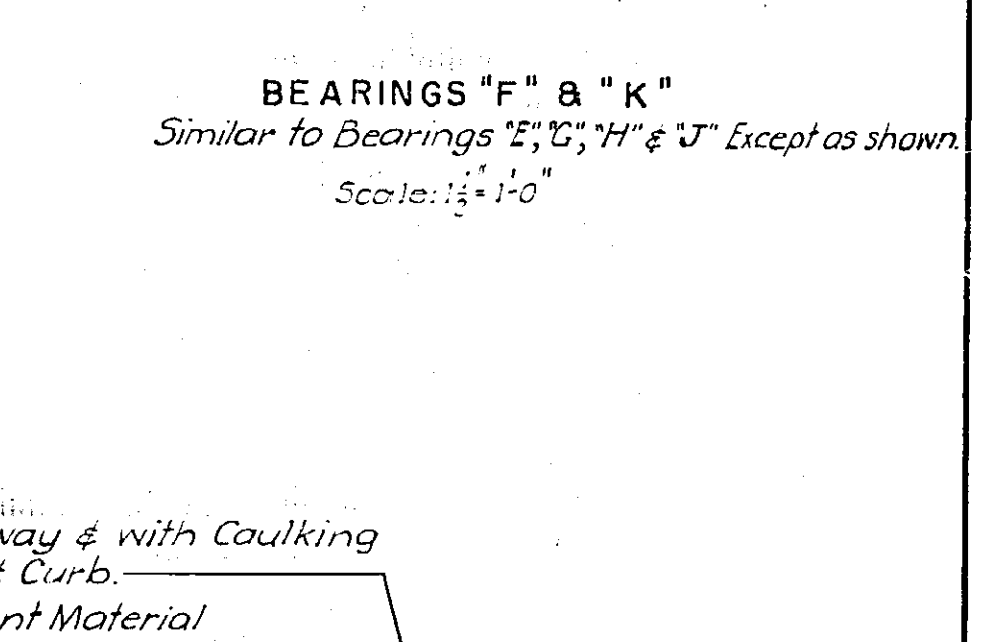
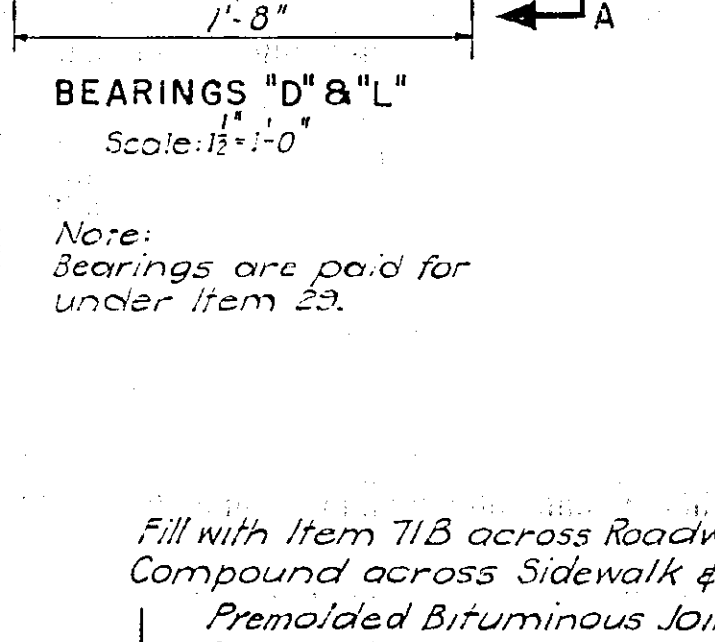
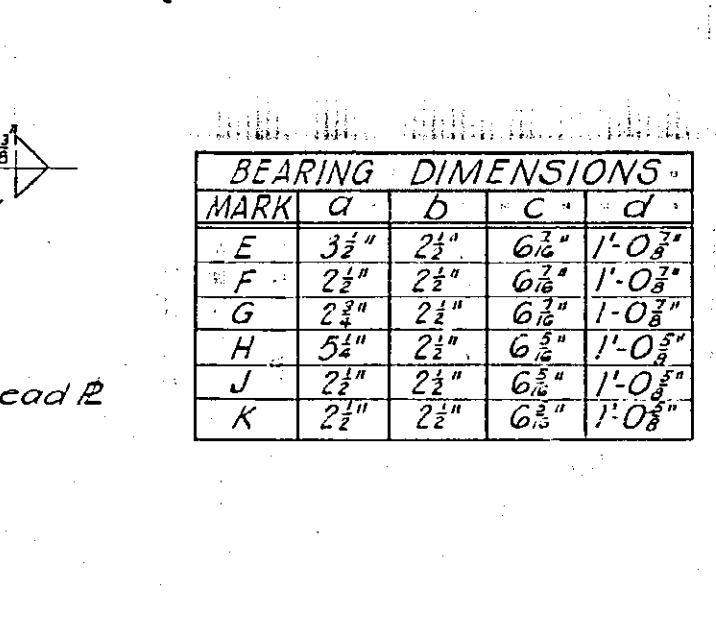
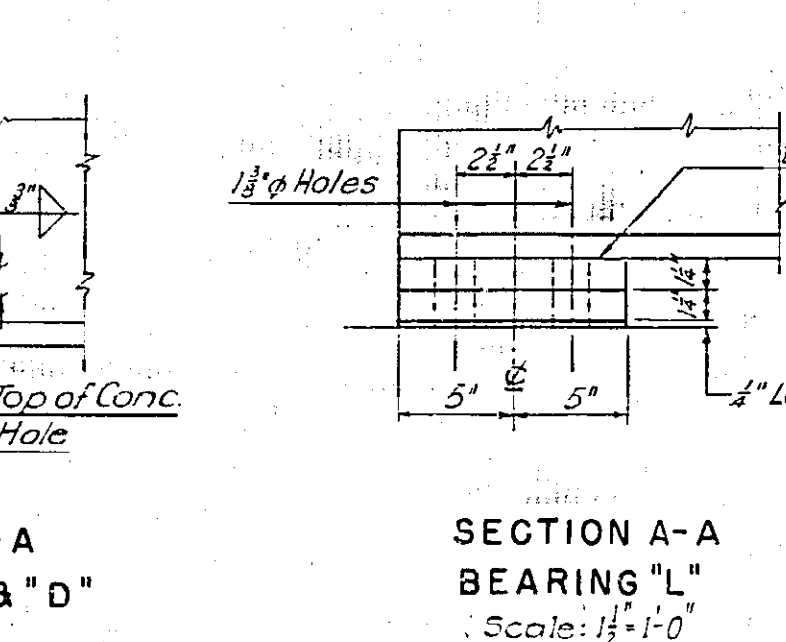
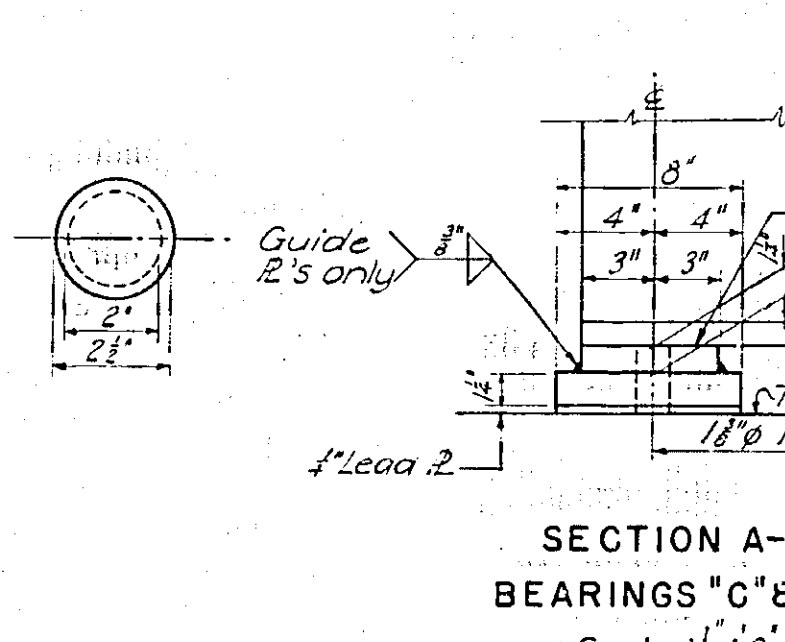
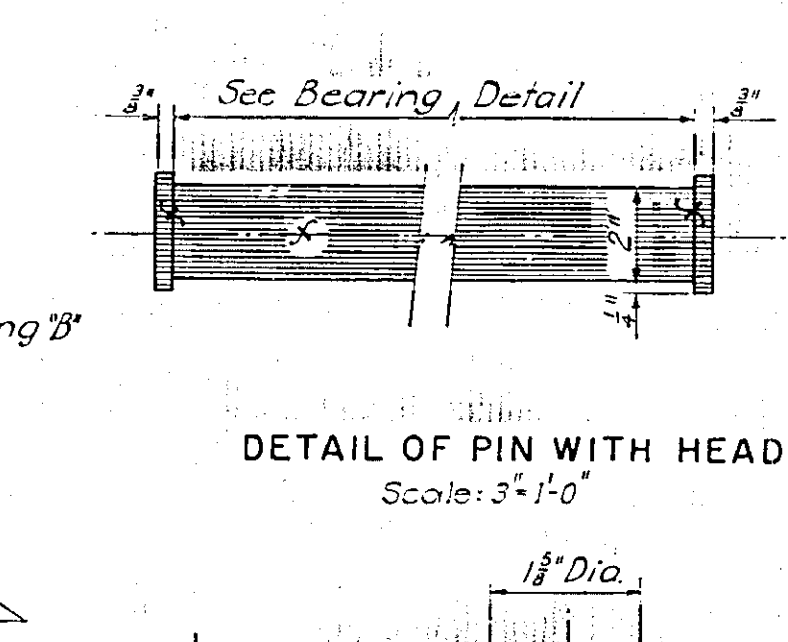
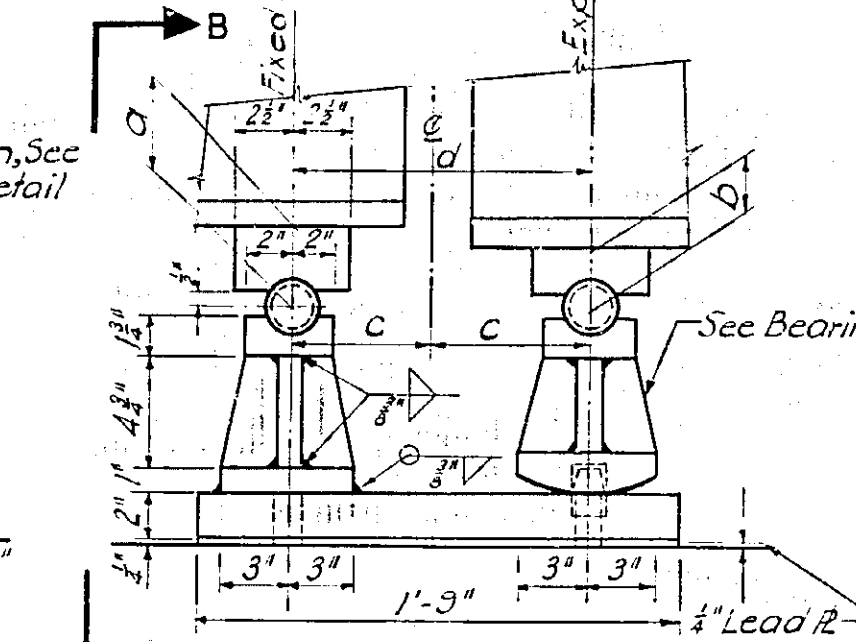
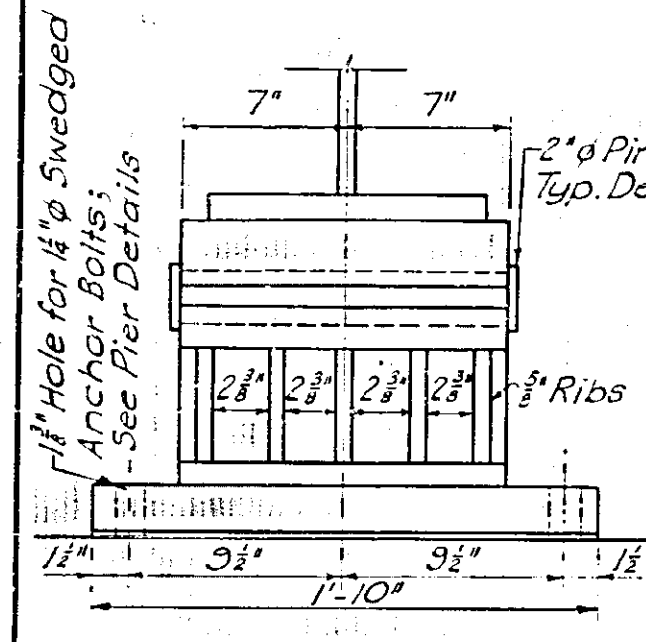
BEARING "C"
Scale: 1/2" = 1'-0"

BEARINGS "D" & "L"
Scale: 1/2" = 1'-0"

BEARINGS "F" & "K"
Similar to Bearings "E", "G", "H" & "J" Except as shown.
Scale: 1/2" = 1'-0"

MARK	A	B	C	D
E	3 1/2"	2 1/2"	6 1/2"	1'-0"
F	2 1/2"	2 1/2"	6 1/2"	1'-0"
G	2 1/2"	2 1/2"	6 1/2"	1'-0"
H	2 1/2"	2 1/2"	6 1/2"	1'-0"
J	2 1/2"	2 1/2"	6 1/2"	1'-0"
K	2 1/2"	2 1/2"	6 1/2"	1'-0"

Note: Bearings are paid for under Item 23.



SECTION B-B
BEARINGS "E", "G", "H", & "J"
Scale: 1/2" = 1'-0"

SECTION A-A
BEARINGS "C" & "D"
Scale: 1/2" = 1'-0"

SECTION A-A
BEARING "L"
Scale: 1/2" = 1'-0"

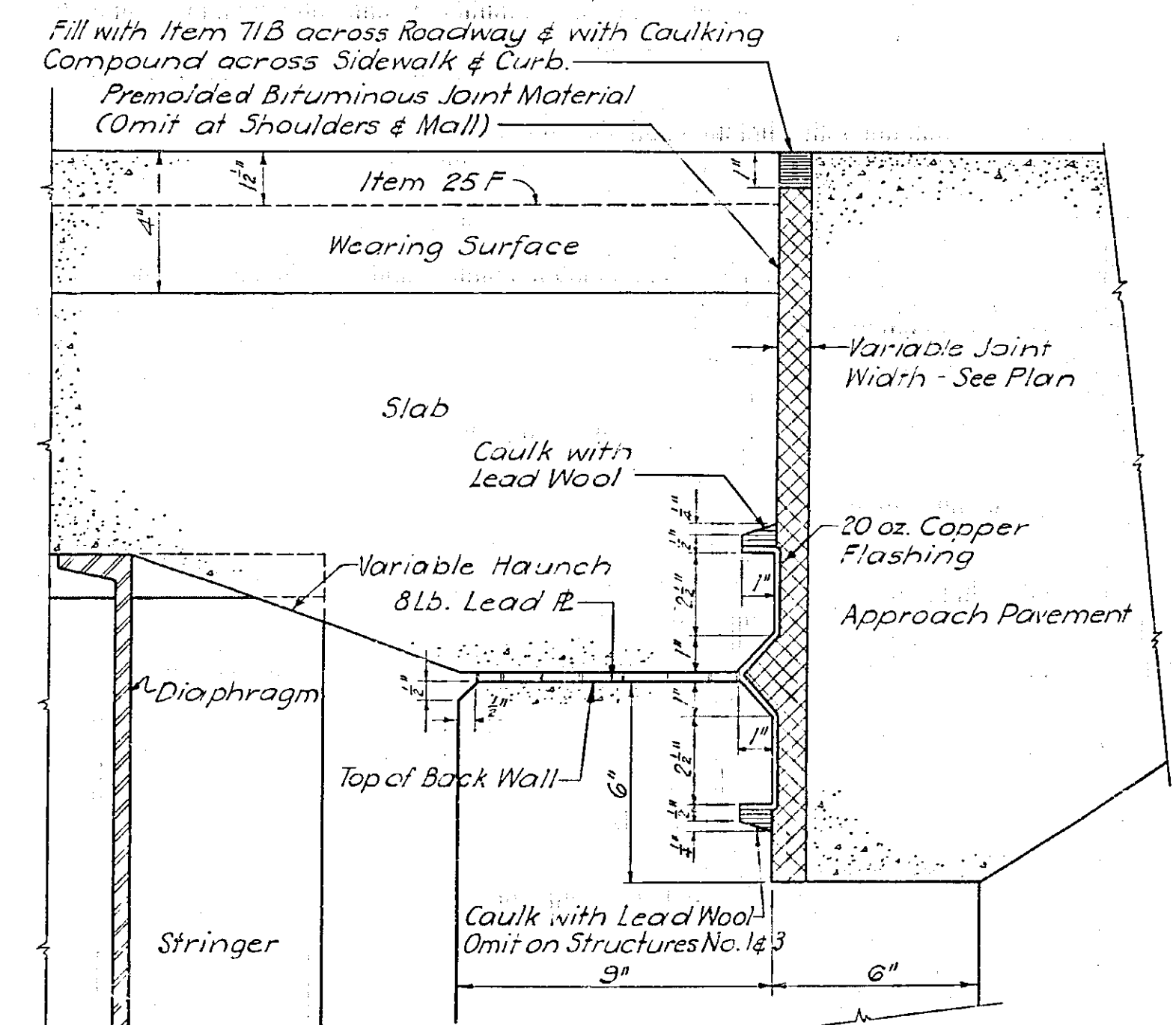
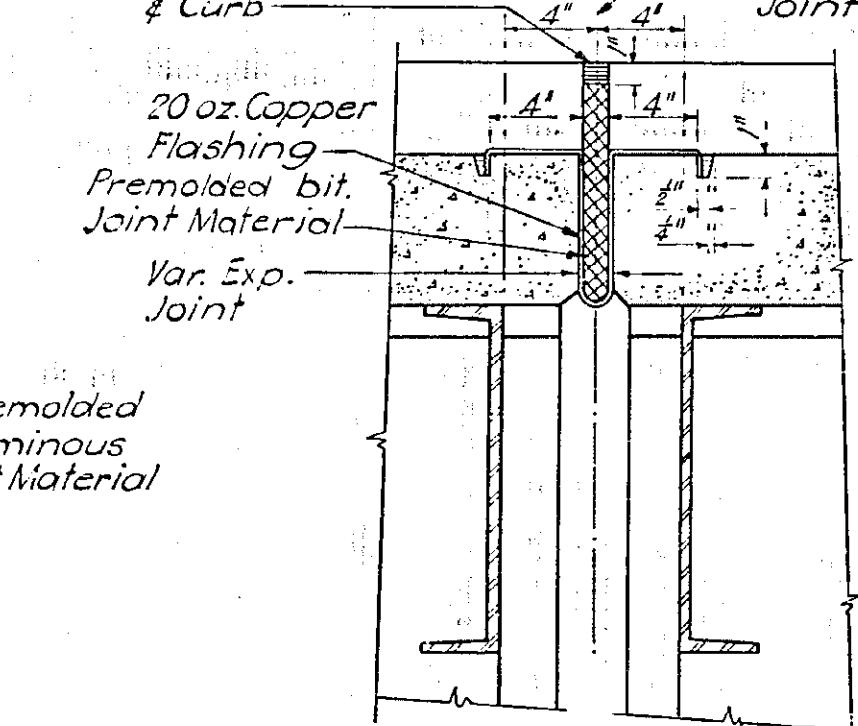
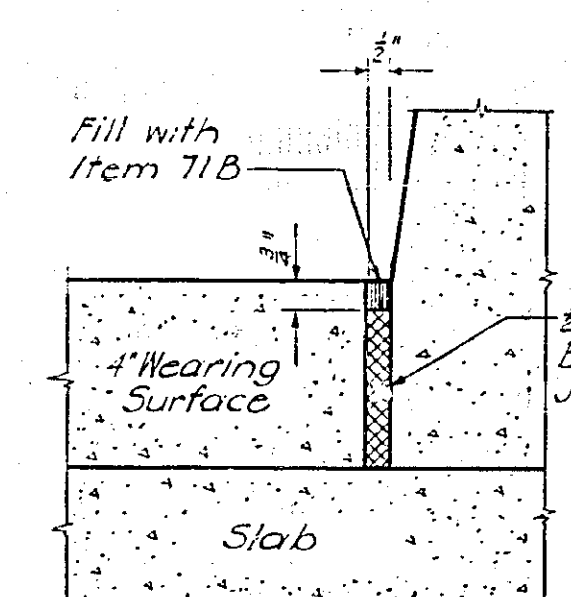
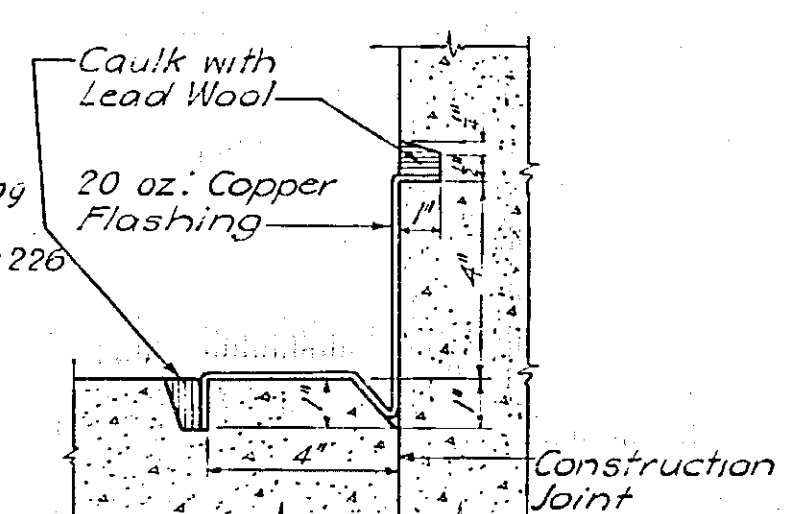
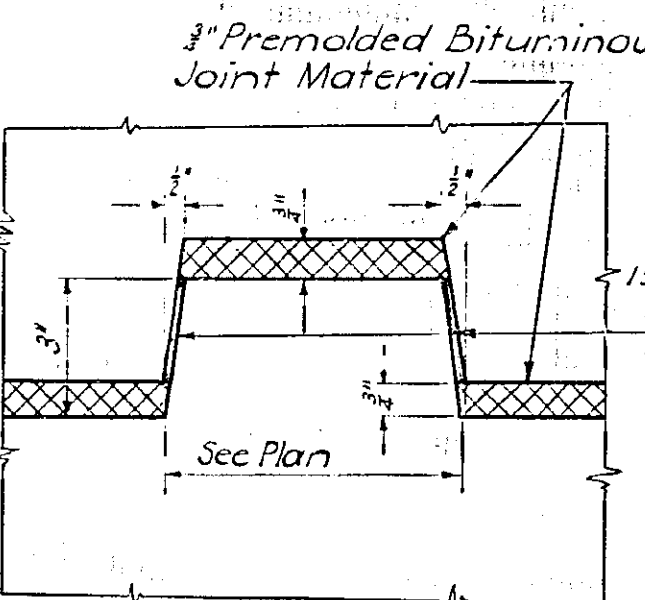
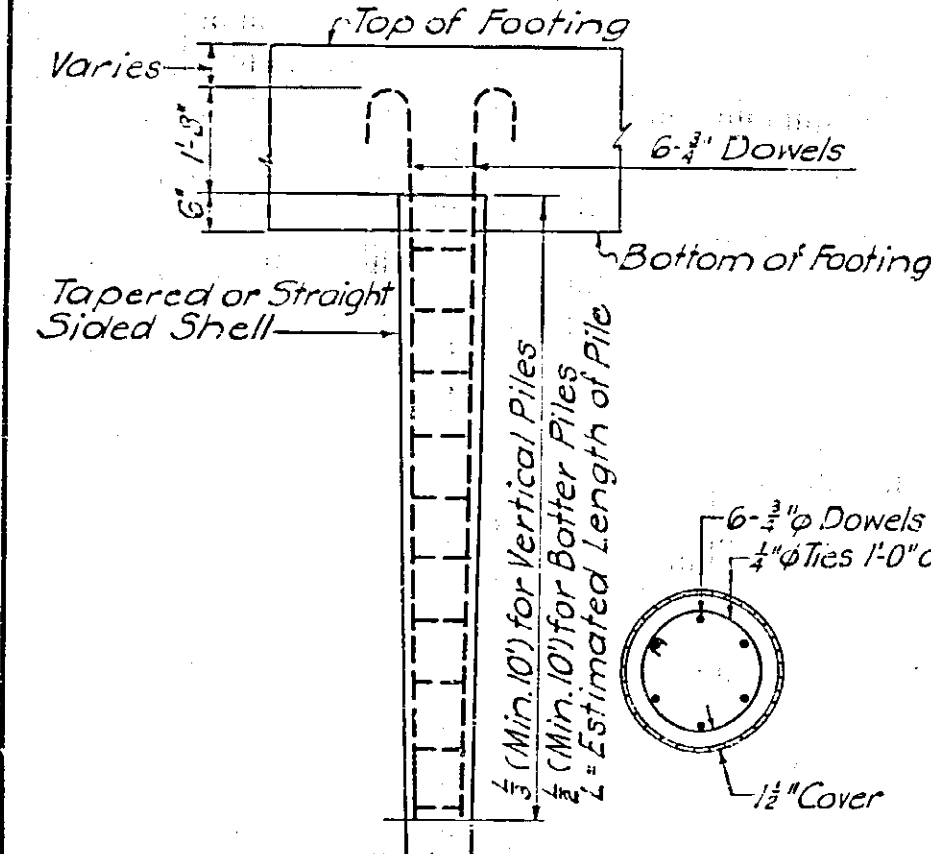
DETAIL OF PIN WITH HEAD
Scale: 3/4" = 1'-0"

SECTION THRU DOWEL
Scale: Half Size

EXPANSION JOINT AT CURB
Scale: 3/4" = 1'-0"

DETAIL "R"
EXP. JT. DETAIL OVER PIER
Scale: 1/2" = 1'-0"

DETAIL "P"
TYPICAL SECTION THRU BACKWALL
& APPROACH PAVEMENT
Scale: 3/4" = 1'-0"



Approved Metal Spacers shall be attached to the top & bottom hoops to insure that the minimum required distance to the shell will be obtained.

CAST-IN-PLACE CONG. PILE REINF.
(Item 28)

DETAIL OF KEY
ABUTMENT-RETAINING WALL
Scale: 3/4" = 1'-0"

DETAIL "M"
Scale: 3/4" = 1'-0"

DETAIL "L"
Scale: 3/4" = 1'-0"

DETAIL "K"
Scale: 3/4" = 1'-0"

Note: Omit Key where shown on Culvert Cross Section

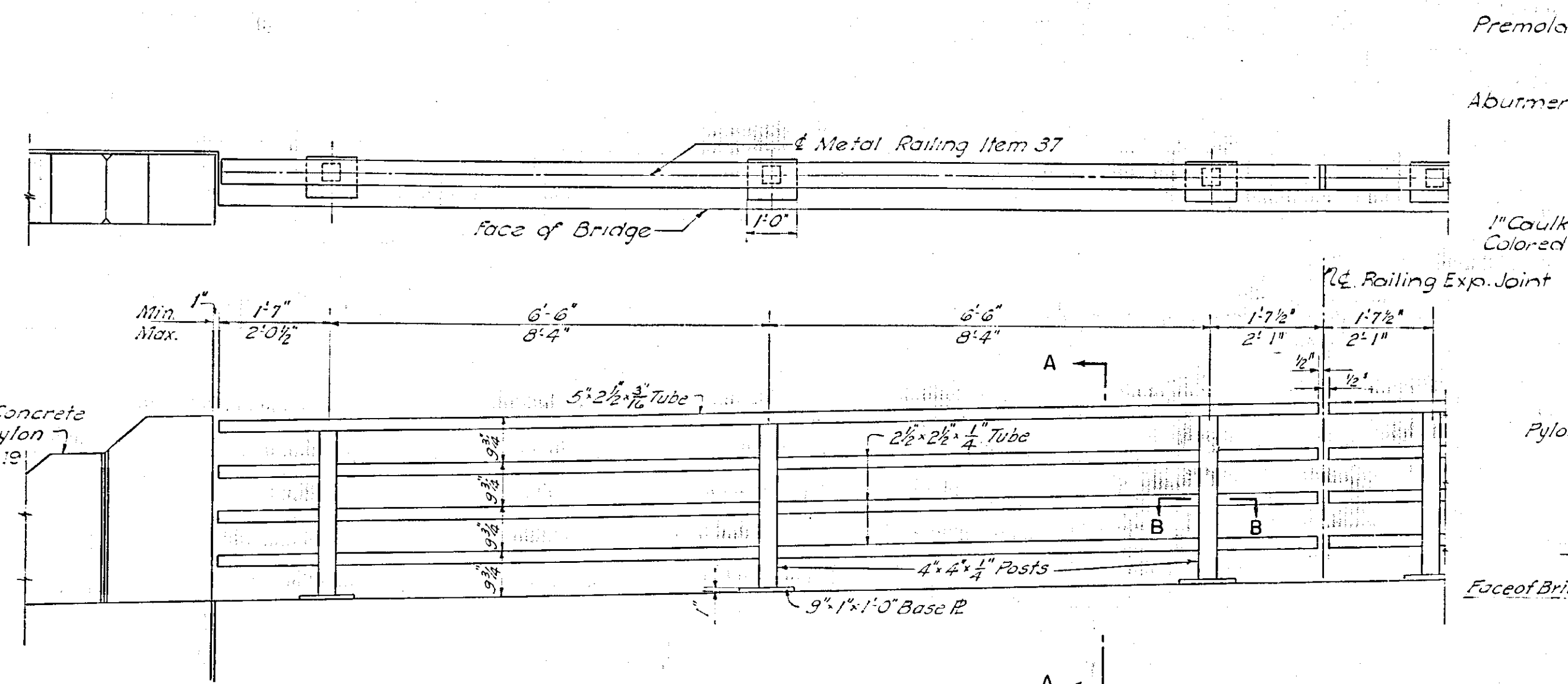
COPPER JOINT AT CULVERT - DETAIL OF FLASHING
Scale: 1/2" = 1'-0"

In charge of *Mat. Hawarch*
Made by *Mat. Hawarch*
Traced by *Mat. Hawarch*
Checked by *Mat. Hawarch*

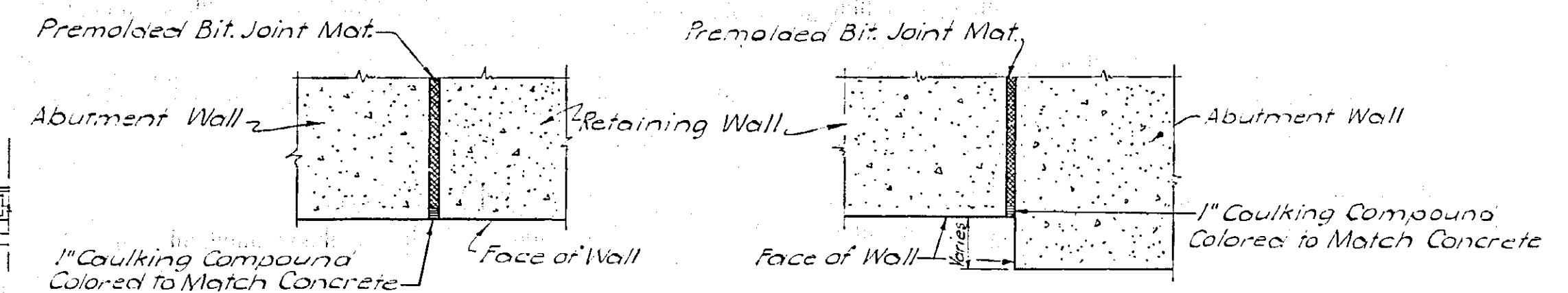
PREPARED AND RECOMMENDED:
Harold A. Blauvelt, NYS.P.E., LIC. NO. 12032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

MISCELLANEOUS STRUCTURAL DETAILS					
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT	CONSULTING ENGINEERS
13-B-50	As shown	4-1-52			

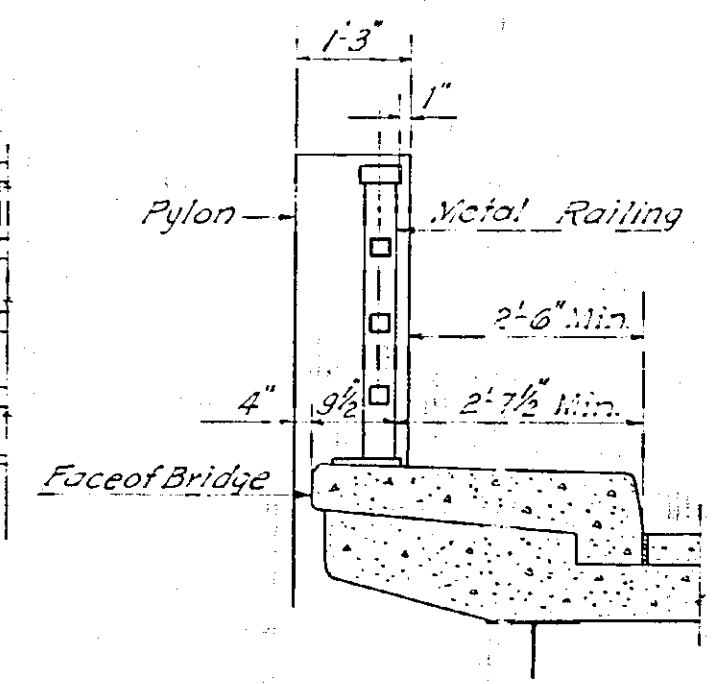
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	54	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



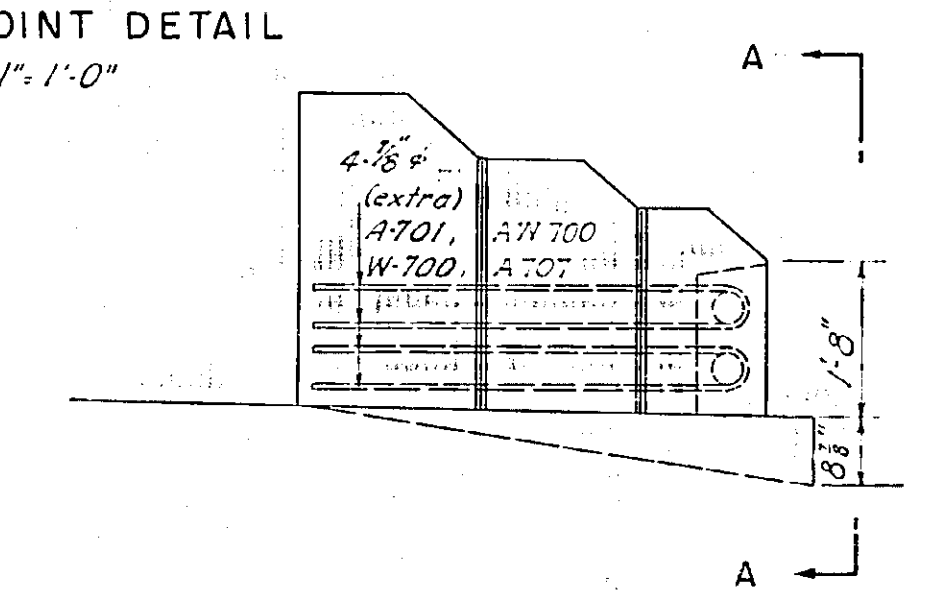
TYPICAL RAILING DETAILS
Scale - 1/2" = 1'-0"



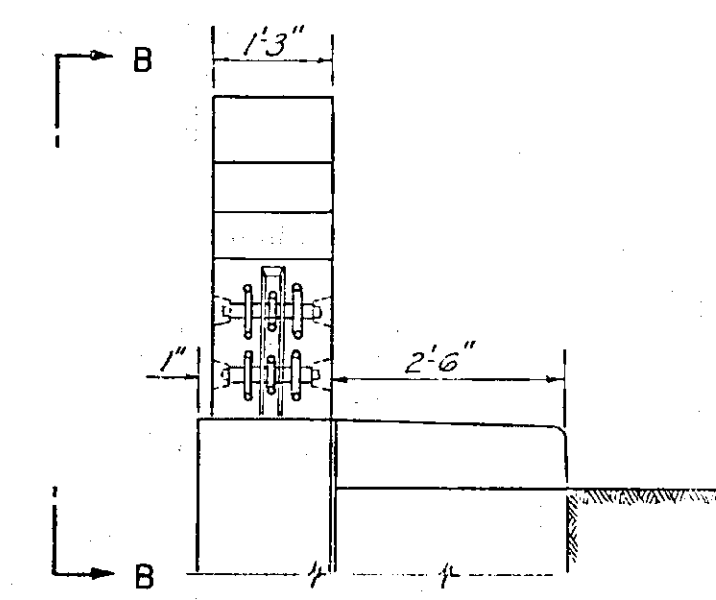
EXPANSION JOINT DETAIL
Scale - 1" = 1'-0"



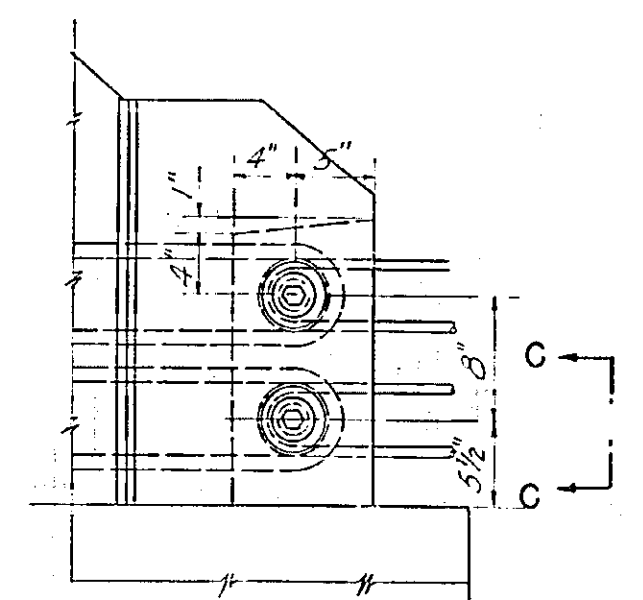
SECTION A-A
Scale - 1/2" = 1'-0"



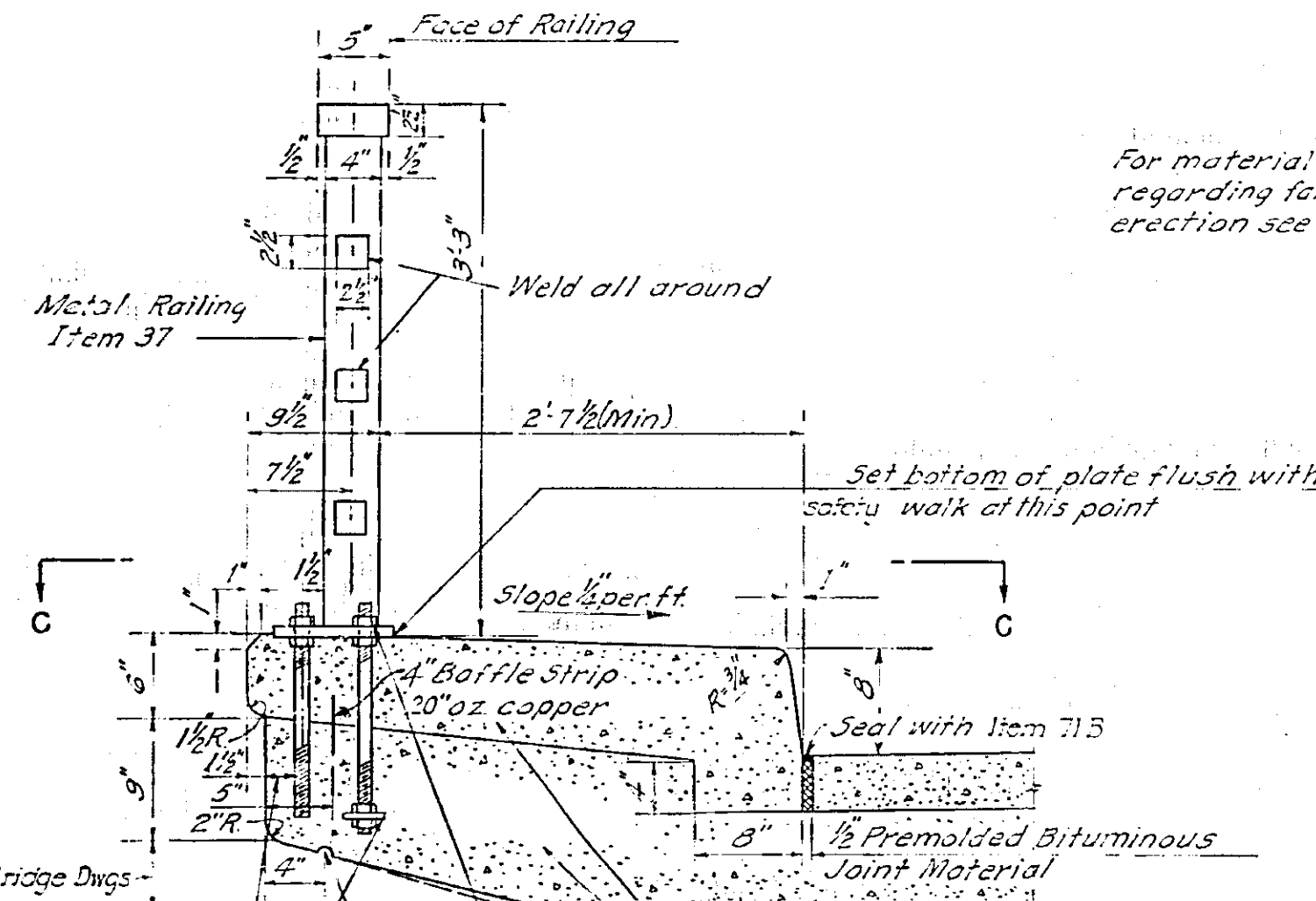
ELEVATION
Scale - 1/2" = 1'-0"



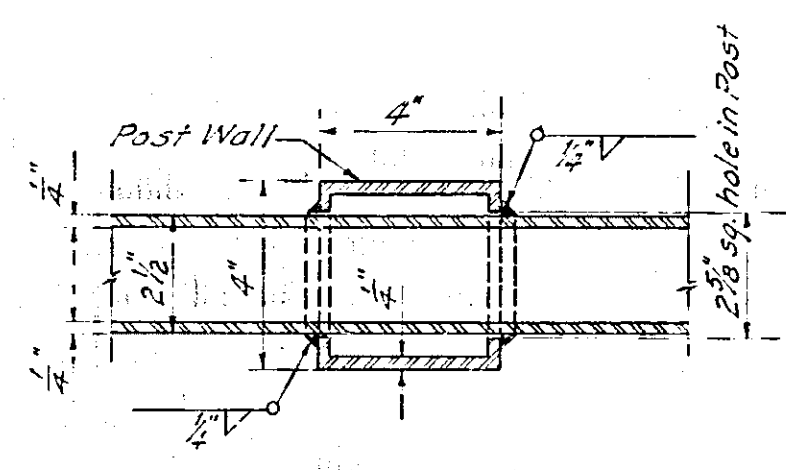
VIEW A-A
Scale - 1/2" = 1'-0"



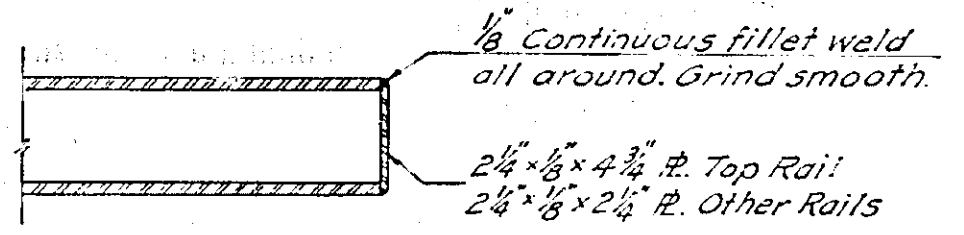
VIEW B-B
Scale - 1/2" = 1'-0"



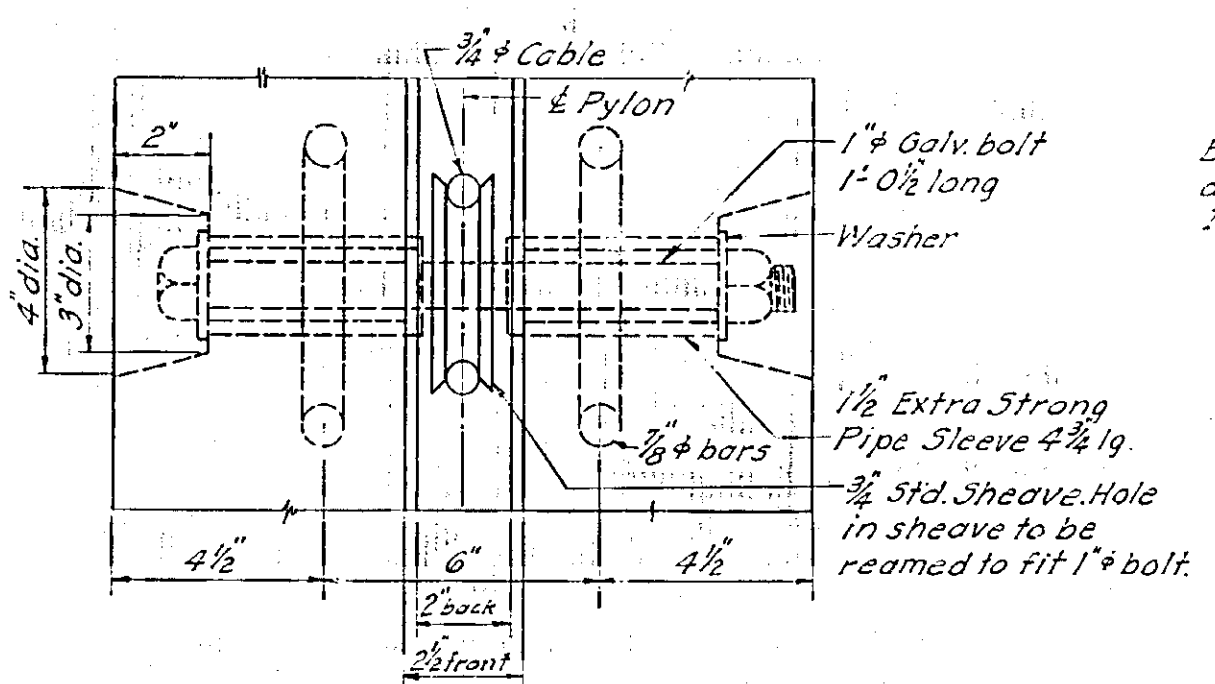
RAILING ANCHOR & NOSING DETAIL
Scale - 1/2" = 1'-0"



SECTION B-B
Scale - 3/4" = 1'-0"



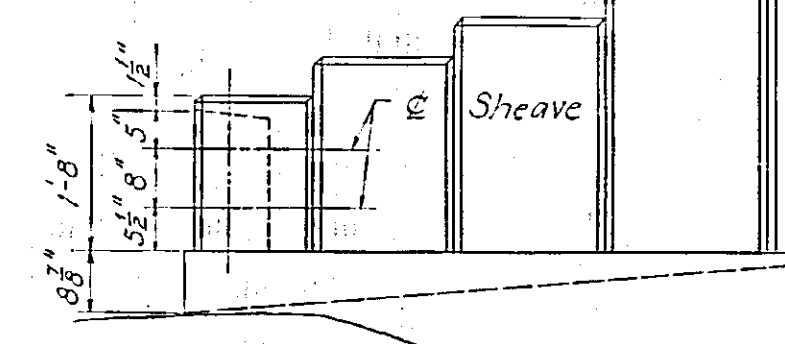
DETAIL OF CAP AT ENDS OF RAILS
Scale - 3/4" = 1'-0"



VIEW C-C
Scale - 3/4" = 1'-0"

Bolts, Nuts, Washers, Pipe Sleeves, and Sheaves, paid for under Item 29

Note: Do not chamfer pylon edges - rub to 1/4" R.



NOTE: Cable Connect Details, same for all Pylons

ELEVATION
Pylon - Structures 1 & 3
Scale - 1/2" = 1'-0"

PYLON DETAILS FOR CABLE TYPE GUARD RAIL

- CONSTRUCTION PROCEDURE
1. Set anchor bolts and pour slab.
 2. Make two applications of waterproofing oil treatment M41-W to the top of slab.
 3. Pour roadway pavement.
 4. Place lower nuts on upper end of anchor bolts.
 5. Place railing base plate on lower nuts and turn up nuts to bring bottom of plates to sidewalk level.
 6. Place upper nuts on anchor bolts, tighten down on plates.
 7. Pour sidewalk to proper line and grade.

For details & location of name plates for thruway structures see Standard Sheet 52-41

SCHEDULE OF NAME PLATES FOR THRUWAY STRUCTURES			
STRUCTURE	NAME	STATION	DATE
No. 1	State Route No. 5	Sta. 2368+69	1952
No. 2	Sterling Creek	Sta. 2410+46	1952
No. 3	County Road 11	Sta. 2449+00	1952
No. 4	Pratt Creek	Sta. 2478+15	1952
No. 5	County Road 53	Sta. 2511+49	1952
No. 6	Bridenbaker Creek	Sta. 2514+68	1952
No. 7	Stream Culvert	Sta. 2546+67	1952
No. 8	County Road 211	Sta. 2550+97	1952
No. 9	Stream Culvert	Sta. 2568+55	1952

For General Notes see Sh. 3

MISCELLANEOUS ARCHITECTURAL DETAILS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13B-51	As shown	4-1-52	

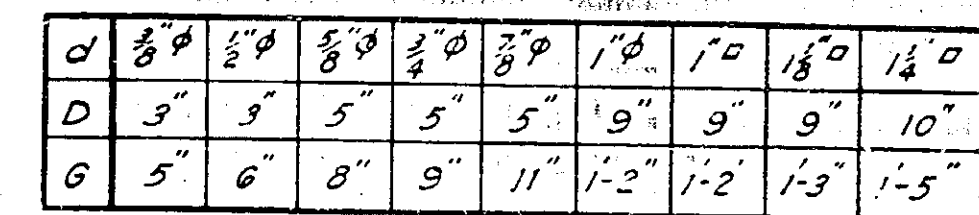
PREPARED AND RECOMMENDED:
Francis L. Brown, N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
Francis L. Brown - Harold A. Blauvelt CONSULTING ENGINEERING

Francis L. Brown P.E. 13/44

In charge of *W.H. Safford*
Made by *S.T. Ayer*
Traced by *W.H.*
Checked by *H.B. Safford*

SECTION C-C
Scale - 3/4" = 1'-0"

DETAIL OF SCORING
Full size



STANDARD HOOK

STRUCTURE NO. I - BAR LIST - SHEET NO. I																
	MARK	SIZE	L'TH.	NO. RQ'D.	TYPE	DETAIL DIMENSIONS										LOCATION
						A	B	C	D	E	F	G	H	K	R	
	PP 600	3/4#	17'-6"	408	13	16-9"						0-9"				pier footings
	AP 601	3/4#	5'-0"	108	13	4-3"						0-9"				abt't f'g vert.
	AP 602	3/4#	25'-0"	108	13	24-3"						0-9"				" " batter
	PF 200	1/4#	3'-0"	3604	15	0-9"						0-4"				pier f'g.
	AF 201	1/4#	3'-0"	1836	15	0-9"						0-4"				abt't "
		3/4#	40'-0"	408												pier f'g.
		3/4#	40'-0"	216												abt't "
		1-1/4#	24'-6"	74												footing-top
		1-1/8#	34'-6"	36												bott.piers 1
		1-1/8#	7'-6"	72												dowels-fascia col
		1 #	34'-6"	16												footing-bottom; pier
		1 #	24'-3"	24												footing-top
		1 #	7'-3"	72												dowels-inside col.
		1/2#	8'-4"	66												footing-pier 2
		1/2#	5'-9"	132												footing-piers 1,3
		5/8#	30'-0"	12												beam sides.
P	1001	1-1/4#	34'-9"	24	2	1-11	1-6	31-4							1-0	top of beam
P	401	1/2#	11'-3"	168	16	3-4	0-10									column ties
P	402	1/2#	13'-6"	123	17	0-7	2-10	3-4				0-7				beam stirrups
P	403	1/2#	5'-6"	195	1	1-6	2-6									pad reinf.
		1-1/4#	21'-4"	48												bottom of beam
		1-1/4#	20'-0"	24												bottom of beam
		1-1/8#	16'-3"	72												fascia column
		1-1/8#	11'-0"	24												top of beam
		1 #	21'-9"	112												bottom of beam
		1 #	16'-3"	72												interior column
P	501	5/8#	11'-6"	6	20	3-1 1/2									1-8	beam @ ends

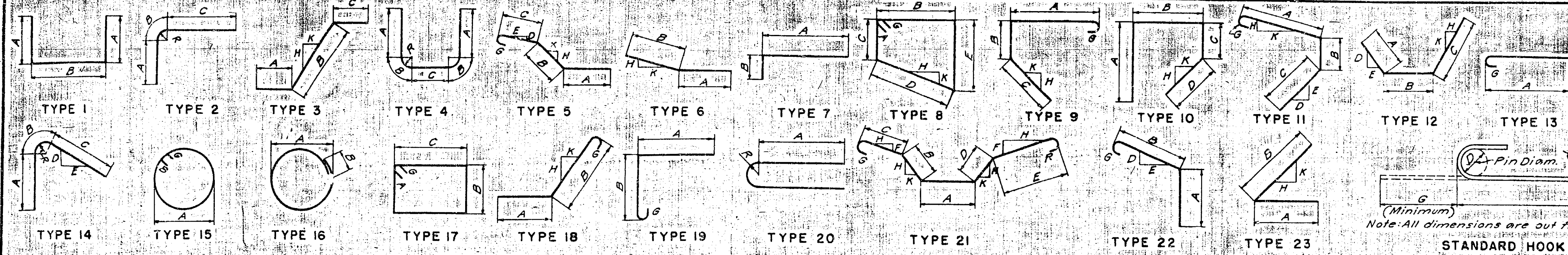
[illegible]

STRUCTURE NO. 1 - BAR LIST - SHEET NO. 3																
MARK	SIZE	LTH	NO. R/O'D.	TYPE	DETAIL DIMENSIONS											LOCATION
					A	B	C	D	E	F	G	H	K	R		
S600	3/4	29-0	16	6	26-6	2-6							12	9 1/2	@ transv. exp. its.	
S500	5/8	4-6	8	6	2-9	1-9							2 1/2	12	bott. reinf.	
1		5-3			3-6											
2		6-3			4-6											
3		7-0			5-3											
4		7-9			6-0											
5		8-6			6-9											
6		9-3			7-6											
7		10-0			8-3											
8		11-0			9-3											
9		11-9			10-0											
10		12-6			10-9											
11		13-3			11-6											
12		14-0			12-3											
13		14-9			13-0											
14		15-9			14-0											
15		16-6			14-9											
16		17-3			15-6											
17		18-0			16-3											
18		18-9			17-0											
19		19-6			17-9											
20		20-6			18-9											
21		21-3			19-6											
22		22-0			20-3											
23		22-9			21-0											
24		23-6			21-9											
25		24-6			22-9											
26		25-3			23-6											
27		26-0			24-3											
28		26-9			25-0											
29		27-6			25-9											
30		28-3			26-6											
31		29-3			27-6											
32		30-0			28-3											
33		30-9			29-0											
34		31-6			29-9											
35		32-3			30-6											
36		33-0			31-3											
37		34-0			32-3											

SECRET

DWG. NO. 13B-54	SCALE None	DATE 4-1-52	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS
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PREPARED AND RECOMMENDED:
Francis L. Brown *Harold A. Blaauvelt* N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 P.E. 13144 FRANCIS L. BROWN · HAROLD A. BLAAUVELT CONSULTING ENGINEERS



(Minimum)
Note: All dimensions are out to out of bar
STANDARD HOOK

0 3/8"	0 1/2"	0 5/8"	0 3/4"	0 7/8"	1 0"	1 1/8"	1 1/4"	1 3/8"	1 1/2"
D 3"	3 1/2"	4"	4 1/2"	5"	5 1/2"	6"	6 1/2"	7"	7 1/2"
G 5"	6"	6 1/2"	7"	7 1/2"	8"	8 1/2"	9"	9 1/2"	10"

MARK		SIZE	LTH.	NO.	TYPE	DETAIL DIMENSIONS												LOCATION	
MARK		SIZE	LTH.	NO.	TYPE	A	B	C	D	E	F	G	H	K	L	M	N	LOCATION	
SUPERSTRUCTURE	PP 600	1/2"	17-6"	13	16-9"													pier footings	
	AP 601	1/2"	5-0"	13	4-3"													abt' f'tg. vert.	
	AP 602	1/2"	25-0"	13	24-3"													" " batter	
	PP 200	1/4"	3-0"	3604	15	0-9"												pier f'tg.	
	AP 201	1/4"	3-0"	1836	15	0-9"												abt' f'tg.	
		1/4"	40-0"															pier f'tg.	
		3/4"	40-0"															abt' f'tg.	
		1 1/4"	24-6"	74														footing-top	
		1 1/8"	24-6"	36														" " bott. piers 1,3	
		1 1/8"	7-6"	72														dowels-fascia col.	
SUBSTRUCTURE		1 1/4"	24-6"	16														footing-bottom, pier 2	
		1 1/4"	24-3"	24														footing-top	
		1 1/8"	7-3"	72														dowels-inside col.	
		1 1/2"	6-9"	66														footing-pier 2	
		1 1/2"	5-9"	132														footing-piers 1,3	
		5/8"	30-0"	12														beam, sides	
	P 1001	1-1/4"	34-9"	24	2	1-11	1-6	31-4"										top of beam	
	P 401	1-1/2"	11-3"	168	16	3-4	0-10											column ties	
	P 402	1-1/2"	13-6"	123	17	0-7	2-10	3-4"										beam stirrups	
	P 403	1-1/2"	5-6"	195	1	1-6	2-6											pad reinf.	
SUPERSTRUCTURE		1-1/4"	20-4"	48														bottom of beam	
		1-1/4"	20-8"	24														bottom of beam	
		1-1/8"	16-3"	72														fascia column	
		1-1/8"	11-0"	24														top of beam	
		1 1/4"	21-9"	12														bottom of beam	
		1 1/8"	16-3"	72														interior column	
	P 501	5/8"	11-6"	6	20	3-11/2"												beam @ ends	

MARK		SIZE	LTH.	NO.	TYPE	DETAIL DIMENSIONS												LOCATION	
MARK		SIZE	LTH.	NO.	TYPE	A	B	C	D	E	F	G	H	K	L	M	N	LOCATION	
SUPERSTRUCTURE	A 701	7/8"	9-3"	16	20	4-2"												pylon-cable ftg. anch.	
	A 601	3/4"	9-6"	14	7	6-0"	3-6"											ftg. dowels-front	
	AP 501	5/8"	6-6"	88	7	3-0"	3-6"											ftg. dowels-back	
	A 602	3/4"	16-0"	32	1	11-0"	6-0"											wall-long's-back	
	A 401	1/2"	34-0"	88	6	28-3"	5-9"											pylon-hor. dowels	
	A 402		4-0"	24	13	3-6"												pylon	
	A 403		6-6"	12	1	3-6"	1-6"											pylon	
	A 404		10-0"	112	1	1-0"	4-6"											stringer seat, dowels	
	A 405		18-6"	8	17	0-6"	1-0"	7-9"										pylon	
	A 406	1/2"	5-3"	84	1	1-6"	2-3"											ftg. long's T & B	
SUBSTRUCTURE	A 407	1/2"	10-0"	36	7	1-0"	9-0"											ftg. long's T & B	
		3/4"	40-0"	28														" pylon-bott.	
			34-0"	128														" " " " " "	
			15-0"	20														" " " " " "	
			10-0"	2														" " " " " "	
			9-9"	2														" " " " " "	
			9-3"	2														" " " " " "	
			8-9"	2														" " " " " "	
			8-6"	2														" " " " " "	
			7-9"	2														" " " " " "	
SUPERSTRUCTURE			7-6"	34														" " " " " "	
			6-9"	2														" " " " " "	
			6-3"	2														" " " " " "	
			6-0"	2														" " " " " "	
		3/4"	5-6"	110														" " " " " "	
		5/8"	34-0"	8														br. seat-long's	
			15-0"	14														pylon footing	
																		" " " " " "	
																		" " " " " "	
																		" " " " " "	

MARK		SIZE	LTH.	NO.	TYPE	DETAIL DIMENSIONS												LOCATION	
MARK		SIZE	LTH.	NO.	TYPE	A	B	C	D	E	F	G	H	K	L	M	N	LOCATION	
SUPERSTRUCTURE	S600	3/4"	29-0"	16	6	26-6"	2-6"											trans. exp. f'tg.	
	S500	5/8"	4-6"	8	6	2-9"	1-9"											bott. reinf.	
			5-3"	1		3-6"												" " " " " "	
			6-3"	1		4-6"												" " " " " "	
			7-9"	1		6-0"												" " " " " "	
			8-6"	1		6-9"												" " " " " "	
			9-3"	1		7-6"												" " " " " "	
			10-0"	1		8-3"												" " " " " "	
			11-0"	1		9-3"												" " " " " "	
			11-9"	1		10-0"												" " " " " "	
SUBSTRUCTURE			12-6"	1		10-9"												" " " " " "	
			13-3"	1		11-6"												" " " " " "	
			14-0"	1		12-3"												" " " " " "	
			14-9"	1		13-0"												" " " " " "	
			15-9"	1		14-0"												" " " " " "	
			16-6"	1		14-9"												" " " " " "	
			17-6"	1		15-9"												" " " " " "	
			18-0"	1		16-3"												" " " " " "	
			18-9"	1		17-0"												" " " " " "	
			19-6"	1		17-9"												" " " " " "	
SUPERSTRUCTURE			20-6"	1		18-9"												" " " " " "	
			21-3"	1		19-6"												" " " " " "	
			22-0"	1		20-3"												" " " " " "	
			22-9"	1		21-0"												" " " " " "	
			23-6"	1		21-9"												" " " " " "	
			24-6"	1		22-9"												" " " " " "	
			25-3"	1		23-6"												" " " " " "	
			26-0"	1		24-3"												" " " " " "	
			26-9"	1		25-0"												" " " " " "	
			27-6"	1		25-9"												" " " " " "	

BAR LIST

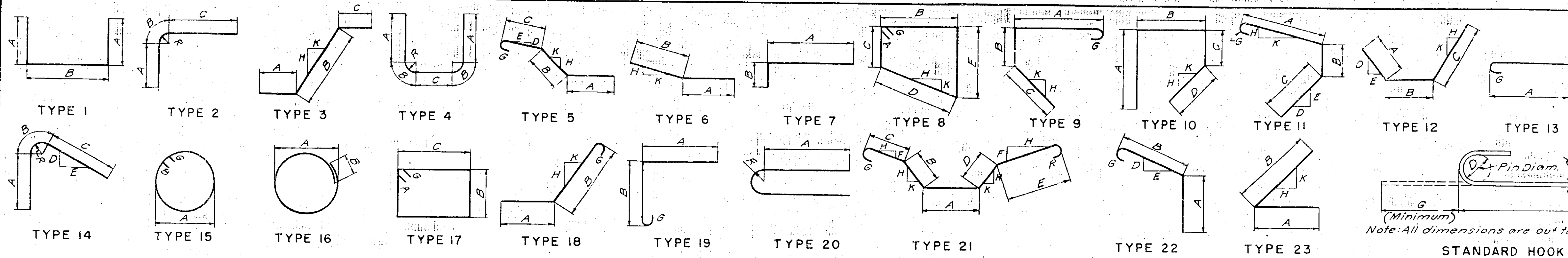
STRUCTURE NO. 1

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN & HAROLD A. BLAUVELT CONSULTING ENGINEERS
138-54	None	4-1-52	

In charge of *W. J. Parnock*
Made by *L. W. Smith*
Traced by *L. W. Smith*
Checked by *L. W. Smith*

PREPARED AND RECOMMENDED:
Francis L. Brown & Harold A. Blauvelt N.Y.S. REG. LIC. NO. 19032 DATE 6-30-58
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
PE 13144

C	$\frac{3}{8}^\circ$	$\frac{1}{2}^\circ$	$\frac{3}{8}^\circ$	$\frac{3}{4}^\circ$	$\frac{3}{8}^\circ$	1°	1°	$1\frac{1}{8}^\circ$	$1\frac{1}{4}^\circ$
D	3"	3"	5"	5"	5"	9"	9"	9"	10"
G	5"	6"	8"	9"	11"	1'-2"	1'-2"	1'-3"	1'-5"



STRUCTURE NO. 1 - BAR LIST - SHEET NO. 4															
MARK	SIZE	L'TH 155104	NO R'O'D	TYPE	DETAIL DIMENSIONS										LOCATION
					A	B	C	D	E	F	G	H	K	R	
S550	5/8 ϕ	6-0	8	5	2'-5"	0'-9"	2'-2"	3/4"	12			0'-8"	12	7	bott. reinf.
51		6-9			3-2										
52		7-6			3-11										
53		8-3			4-8										
54		9-0			5-5										
55		9-9			6-2										
56		10-6			6-11										
57		11-6			7-11										
58		12-3			8-8										
59		13-0			9-5										
60		13-9			10-2										
61		14-6			10-11										
62		15-3			11-8										
63		16-3			12-8										
64		17-0			13-5										
65		17-9			14-2										
66		18-6			14-11										
67		19-3			15-8										
68		20-0			16-5										
69		21-0			17-5										
70		21-9			18-2										
71		22-6			18-11										
72		23-3			19-8										
73		24-0			20-5										
74		24-9			21-2										
75		25-9			22-2										
76		26-6			22-11										
77		27-3			23-8										
78		28-0			24-5										
79		28-9			25-2										
80		29-6			25-11										
81		30-6			26-11										
82		31-3			27-8										
83		32-0			28-5										
84		32-9			29-2										
85		33-6			29-11										
86		34-3			30-8										
87		35-3			31-8										
88		36-0			32-5										

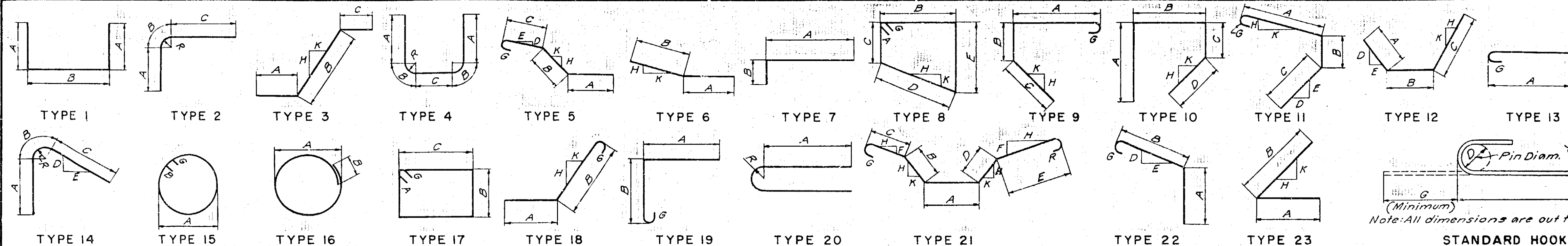
MARK	SIZE dia.	LTH. mm.	NO. R/O.D.	TYPE	DETAIL DIMENSIONS									LOCATION	
					A	B	C	D	E	F	G	H	K		R
	3/4φ	40-0	16												@ transv. exp. jts
	3/4φ	6'-6"	30												longs @ pylon
	5/8φ	39-6	6												top reinf.
		39-3	6												
		39-0	6												
		38-0	8												
		37-9	8												
		37-6	8												
		37-0	8												
		36-9	8												
		36-3	8												
		35-9	8												
		35-6	8												
		35-0	8												
		34-9	8												
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		28-9	8												
		28-3	8												
		28-0	8												
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		26-9	8												
		26-3	8												
		26-0	8												
		25-6	8												
		25-3	288												
		24-9	8												
		24-6	8												
		24-3	12												
		24-0	8												
		23-6	8												
		23-3	8												
		22-9	8												
		22-6	8												
		22-0	8												
		21-6	8												
		21-3	8												
		20-9	8												

[illegible]

Francis L. Brown P.E. 13/44

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN · HAROLD A. BLAUVELT · CONSULTING ENGINEERS

DWG. NO. 13B-54A	SCALE None	DATE 4-1-52	FRANCIS L. BROWN - CONSULTING ENGINEERS	HAROLD A. BLAUVELT ENGINEERS
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FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	57	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						

D	3"	4"	5"	6"	8"	10"	12"	14"	16"
D	3"	4"	5"	6"	8"	10"	12"	14"	16"
G	5"	6"	8"	9"	11"	12"	13"	14"	15"

Note: All dimensions are out to out of bar

STANDARD HOOK

STRUCTURE NO. 2 - BAR LIST - SHEET NO. 1

MARK	SIZE	L'TH.	NO. R'Q'D	TYPE	DETAIL DIMENSIONS	LOCATION
AF0808	1#	12'-0"	34	14	4'-8" 2'-0" 5'-4" 1 16	corners, dowel
AF0809	1#	11'-0"	16	14	1-6 2'-0" 7'-6" 1 16	" "
AF0803	1#	9'-6"	14	2	6-3 2'-0" 1-3	bottom-dowel
AF0804	1#	12'-0"	14	2	4-9 2'-0" 5-3	" "
AF0805	1#	13'-6"	8	2	4-11 2'-0" 6-7	pylon, dowels
AF0806	1#	10'-6"	34	14	7-3 2'-0" 1-3 1 48	retaining wall, dowels
AF0807	1#	11'-3"	68	14	5-0 2'-0" 4-3 1 48	" "
	1#	13'-9"	2			se & nw corner-bot.
	1#	13'-0"	2			" corner-bot.
	1#	12'-6"	4			sw & ne " "
	1#	12'-0"	2			se & nw " "
	1#	11'-6"	2			sw & ne " "
	1#	11'-3"	2			se & nw " "
	1#	10'-6"	132			bottom-trans.
	1#	9'-0"	30			inner ret'g wall, top
	1#	8'-6"	16			corners, top
	1#	8'-0"	4			nw & se corner, bot.
	1#	7'-6"	28			inner ret'g wall, top
	1#	7'-0"	22			corners, top & bot.
	1#	6'-0"	8			ne & sw corner, bot.
	3/4#	40'-0"	72			long. top & bot.
	3/4#	19'-0"	72			" " "
	3/4#	8'-6"	56			corners & ret'g wall
	3/4#	5'-0"	24			pylon dowels
	5/8#	9'-0"	6			se & nw corner top
	5/8#	8'-3"	4			" " "
	5/8#	7'-9"	4			sw & ne " "
	5/8#	7'-6"	4			se & nw " "
	5/8#	6'-9"	4			sw & ne " "
	5/8#	6'-0"	6			" " "
	5/8#	6'-3"	268			trans.-top
	1/2#	23'-6"	40			ret'g wall, long, top.
	1/2#	12'-6"	4			ne & sw corner, bot.
	1/2#	12'-0"	10			corners, top & bot.
	1/2#	11'-6"	6			nw & se corner top
	1/2#	9'-6"	16			ne & sw " bot.
	1/2#	8'-3"	14			nw & se " "
	1/2#	8'-0"	14			ne & sw " top
	1/2#	6'-9"	12			nw & se " "

STRUCTURE NO. 2 - BAR LIST - SHEET NO. 2

MARK	SIZE	L'TH.	NO. R'Q'D	TYPE	DETAIL DIMENSIONS	LOCATION
A 701	7/8#	9'-3"	32	20	4'-2" 1 16	pylon cable anchorage
A 600	3/4#	10'-0"	8	10	3-0 3'-5" 0'-7" 3'-0"	exterior walk brackets
A 601	1#	5'-6"	6	9	1-9 1-3 2'-0"	NE & SW int. brackets
A 602	1#	14'-0"	2	9	4-6 3-9 5'-0"	SW & NE int. pylons
A 603	1#	13'-9"	2	9	4-3 3-9 5'-0"	SE & NW " "
A 604	1#	13'-0"	2	11	4-6 2-9 5'-0" 1 1	" " " "
A 605	1#	12'-9"	2	11	4-3 2-9 5'-0" 1 1	SW & NE " "
A 606	3/4#	7'-6"	6	9	3-3 1-3 2'-3"	SE & NW " brackets
A 400	1/2#	7'-0"	152	1	5-1 0-11 15 7 1/2	outside pylons-ties
A 401	1#	8'-3"	75	6	5-3 3'-0"	abutment vert.
A 402	1#	8'-6"	75	6	5-6 3'-0"	" " "
A 403	1#	9'-0"	75	6	6-0 3'-0"	" " "
A 404	1#	4'-3"	228	1	1-6 1-3	bearings U dowels
A 405	1#	5'-6"	56	1	1-0 3'-6"	int. pylons-ties
A 406	1/2#	8'-9"	75	6	5-9 3'-0"	abutment top vert.
	1#	13'-0"	182			abutment & wall vert.
	1#	10'-6"	34			" " "
	3/4#	23'-3"	4			int. east pylon vert.
	3/4#	22'-9"	4			" west " "
	3/4#	18'-9"	32			ext. pylons vert.
	3/4#	18'-6"	8			" " "
	3/4#	16'-3"	4			int. east pylon vert.
	3/4#	15'-9"	4			" west " "
	3/4#	9'-9"	17			ret. wall vert.
	3/4#	9'-3"	17			" " "
	5/8#	6'-6"	148			abutment top vert.
	1/2#	40'-0"	48			abutment hor.
	1/2#	23'-6"	22			ret. wall "
	1/2#	17'-3"	48			abutment "
	1/2#	8'-0"	16			interior pylons top
	1/2#	6'-0"	8			" " "
	1/2#	5'-3"	24			ext. pylon bracket
	1/2#	4'-9"	8			" " top
	1/2#	4'-6"	48			pylons top hor.
	1/2#	4'-3"	16			ext. pylons top
	1/2#	2'-3"	8			safety walk bracket
	1/2#	2'-0"	8			" " "
AF600	3/4#	17'-6"	756	13	16-9	pylon-abutment
AF601	3/4#	37'-6"	204	13	36-9	" "
AF 200	1/4#	3'-3"	7902	15	0-9	" "
WF600	3/4#	17'-6"	180	13	16-9	pylon-wingwall
WF601	3/4#	37'-6"	72	13	36-9	" "
WF200	1/4#	3'-3"	2022	15	0-9	" "
	3/4#	40'-0"	756			pylon-abutment
	3/4#	40'-0"	180			pylon-wingwall

STRUCTURE NO. 2 - BAR LIST - SHEET NO. 3

MARK	SIZE	L'TH.	NO. R'Q'D	TYPE	DETAIL DIMENSIONS	LOCATION
WF0800	1#	11'-0"	69	14	4'-9" 2'-0" 4'-3" 1 16	B20 dowels
WF0801	1#	10'-0"	33	14	6-9 2'-0" 1-3 1 16	" "
WF500	5/8#	9'-3"	36	14	5-0 1-3 3'-0" 1 16	B12a dowels
WF501	1#	15'-3"	1	14	11-0 1-3 3'-0" 1 16	SE, B12a dowels
WF502	1#	14'-6"	3	14	10-3 1-3 3'-0" 1 16	NW, SE, SW B12a dowels
WF503	1#	14'-0"	3	14	9-9 1-3 3'-0" 1 16	NE, SE, SW " "
WF504	1#	13'-9"	1	14	9-6 1-3 3'-0" 1 16	NW " " "
WF505	1#	13'-6"	3	14	9-3 1-3 3'-0" 1 16	NE, SE, SW " "
WF506	1#	13'-3"	2	14	9-0 1-3 3'-0" 1 16	NE, NW " "
WF507	1#	13'-0"	3	14	8-9 1-3 3'-0" 1 16	NE, SE, SW " "
WF508	1#	12'-6"	3	14	8-3 1-3 3'-0" 1 16	NE, NW, SW " "
WF509	1#	12'-3"	2	14	8-0 1-3 3'-0" 1 16	SE, SW " "
WF510	1#	12'-0"	2	14	7-9 1-3 3'-0" 1 16	NE, NW " "
WF511	1#	11'-9"	3	14	7-6 1-3 3'-0" 1 16	NE, SE, SW " "
WF512	1#	11'-6"	3	14	7-3 1-3 3'-0" 1 16	NE, NW, SW " "
WF513	1#	11'-0"	4	14	6-9 1-3 3'-0" 1 16	" " " "
WF514	1#	10'-6"	1	14	6-3 1-3 3'-0" 1 16	SE " "
WF515	5/8#	10'-3"	1	14	6-0 1-3 3'-0" 1 16	NW " "
	1#	8'-0"	53			B20, top, trans.
	3/4#	10'-3"	15			NE, SE, SW B12a, top
	3/4#	9'-3"	5			NW " "
	3/4#	8'-0"	53			B20, bott. trans.
	5/8#	4'-6"	39			B12a, top, trans.
	1/2#	14'-3"	38			NE, SW, B20, long.
	1/2#	10'-6"	19			SE " "
	1/2#	10'-3"	21			NE, SW, SE, B12a long.
	1/2#	9'-6"	19			NW B20 long.
	1/2#	9'-3"	7			NW B12a long.
	1/2#	5'-6"	39			B12a, bott. trans.
S500	5/8#	26'-9"	356	5	23-2 0-9 2-1	bottom-trans.
S501	5/8#	33'-3"	356	6	31-9 1-6	" "
S400	1/2#	3'-9"	326	7	3-0 0-9	safety walk-trans.
S401	1/2#	4'-6"	262	8	0-6 0-8 1-0 0-8 1-2	stirrups
S402	1/2#	4'-0"	140	13	3-6	top-trans. & ends
	5/8#	19'-6"	356			top-trans.
	5/8#	12'-6"	534			" "
	5/8#	12'-0"	356			" "
	1/2#	40'-0"	476			top & bott.-long.
	1/2#	7'-6"	238			" " "

In charge of *Max J. Zarembky*
 Made by *R. Wood*
 Traced by *N. Zarembky*
 Checked by *R. Zarembky*

PREPARED AND RECOMMENDED BY
Francis L. Brown N.Y.S.E. LIC. NO. 19032 DATE 6-30-58
 FRANCIS L. BROWN & HAROLD A. BLAUVELT CONSULTING ENGINEERS

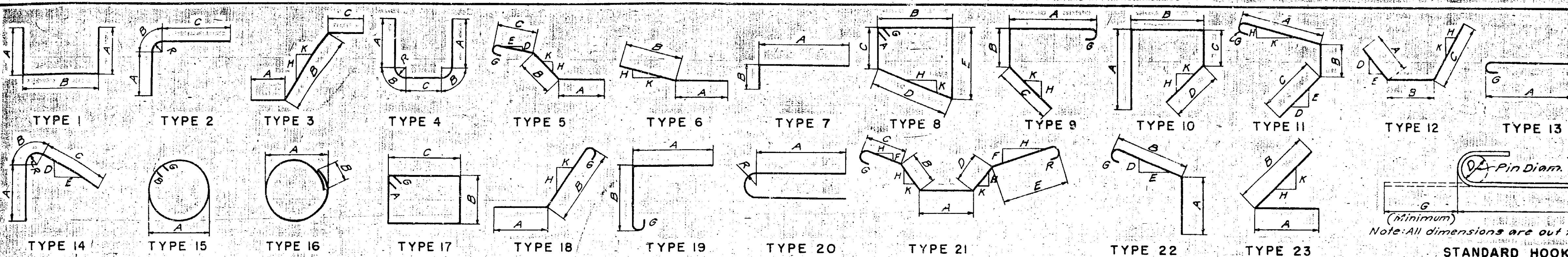
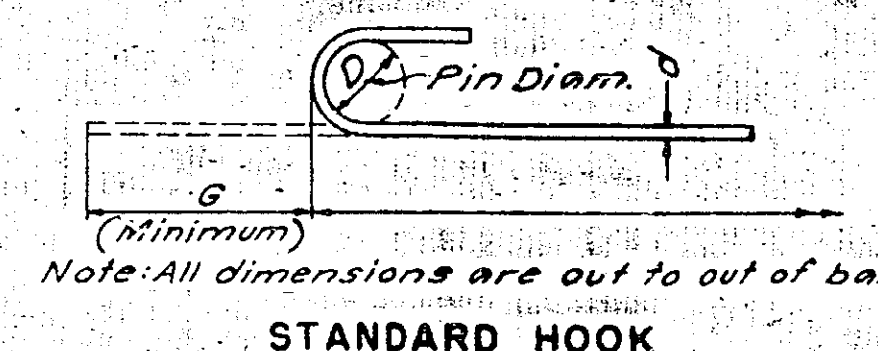
BAR LIST
STRUCTURE NO. 2

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13B-54B	None	4-1-52		

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	57	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A

d	3"	4"	5"	6"	8"	10"	12"	14"	16"
D	3"	4"	5"	6"	8"	10"	12"	14"	16"
G	5"	6"	8"	9"	11"	12"	13"	15"	



STRUCTURE NO. 2 - BAR LIST - SHEET NO. 1																
MARK	SIZE	LTH.	NO.	TYPE	DETAIL - DIMENSIONS										LOCATION	
					A	B	C	D	E	F	G	H	K	R		
AF0808	1/2"	12'-0"	34	14	4'-8"	2'-0"	5'-4"	1	16						1'-3"	corners, dowel
AF0809	1/2"	11-0	16	14	1-6	2-0	7-6	1	16						1-3	" " "
AF0803	1/2"	9-6	14	2	6-3	2-0	1-3								1-3	bottom-dowel
AF0804	1/2"	12-0	14	2	4-9	2-0	5-3								1-3	" " "
AF0805	1/2"	13-6	8	2	4-11	2-0	6-7								1-3	pylon, dowels
AF0806	1/2"	10-6	34	14	7-3	2-0	1-3	1	48						1-3	retaining wall, dowels
AF0807	1/2"	11-3	68	14	5-0	2-0	4-3	1	48						1-3	" " "
	1/2"	13-9	2													se & nw corner-bot.
	1/2"	13-0	2													se & nw corner-bot.
	1/2"	12-6	4													sw & ne " " "
	1/2"	12-0	2													se & nw " " "
	1/2"	11-6	2													sw & ne " " "
	1/2"	11-3	2													se & nw " " "
	1/2"	10-6	132													bottom-trans.
	1/2"	9-0	30													inner ret'g wall, top
	1/2"	8-6	16													corners, top
	1/2"	8-0	4													nw & se corner, bot.
	1/2"	7-6	28													inner ret'g wall, top
	1/2"	7-0	22													corners, top & bot.
	1/2"	6-0	8													ne & sw corner, bot.
	3/4"	40-0	72													long. top & bot.
	3/4"	19-0	72													" " "
	3/4"	8-6	56													corners & ret'g wall
	3/4"	5-0	24													pylon dowels
	5/8"	9-0	6													se & nw corner top
	5/8"	8-3	4													" " "
	5/8"	7-9	4													sw & ne " " "
	5/8"	7-6	4													se & nw " " "
	5/8"	6-9	4													sw & ne " " "
	5/8"	6-0	6													" " "
	5/8"	6-3	268													trans.-top
	1/2"	23-6	40													ret'g wall, long. top.
	1/2"	12-6	4													ne & sw corner, bot.
	1/2"	12-0	10													corners, top & bot.
	1/2"	11-6	6													nw & se corner top
	1/2"	9-6	16													ne & sw " " "
	1/2"	8-3	14													nw & se " " "
	1/2"	8-0	14													ne & sw " " "
	1/2"	6-9	12													rw & se " " "

STRUCTURE NO. 2 - BAR LIST - SHEET NO. 2															
MARK	SIZE	LTH.	NO. R'Q'D.	TYPE	DETAIL - DIMENSIONS										LOCATION
					A	B	C	D	E	F	G	H	K	R	
A 701	7/8	9'-3"	32	20	4'-2"									3	pylon cable anchorage
A 600	3/4	10'-0"	81	10	3'-0"	3'-5"	0'-7"	3'-0"					1	2	exterior walk brackets
A 601		5'-6"	6	9	1'-9"	1'-3"	2'-0"						1	1	NE & SW int. brackets
A 602		14'-0"	2	9	4'-6"	3'-9"	5'-0"						1	1	SW & NE int. pylons
A 603		13'-9"	2	9	4'-3"	3'-9"	5'-0"						1	1	SE & NW " "
A 604		13'-0"	2	11	4'-6"	2'-9"	5'-0"	1	1				2	9	" " " "
A 605		12'-9"	2	11	4'-3"	2'-9"	5'-0"	1	1				2	9	SW & NE " "
A 606	3/4	7'-6"	6	9	3'-3"	1'-3"	2'-3"						1	1	SE & NW " brackets
A 400	1/2	7'-0"	152	1	5'-1"	0'-11"									outside pylons-ties
A 401		8'-3"	75	6	5'-3"	3'-0"							15	7 1/2	abutment vert.
A 402		8'-6"	75	6	5'-6"	3'-0"							15	7 1/2	" " "
A 403		9'-0"	75	6	6'-0"	3'-0"							15	7 1/2	" " "
A 404		4'-3"	228	1	1'-6"	1'-3"									bearings U dowels
A 405		5'-6"	56	1	1'-0"	3'-6"									int. pylons-ties
A 406	1/2	8'-9"	75	6	5'-9"	3'-0"							15	7 1/2	abutment top vert.
	1/2	13'-0"	182												abutment & wall vert.
	1/2	10'-6"	34												" " " "
	3/4	23'-3"	4												int. east pylon vert.
		22'-9"	4												" west " "
		18'-9"	32												ext. pylons vert.
		18'-6"	8												" " " "
		16'-3"	4												int. east pylon vert.
		15'-9"	4												" west " "
		9'-9"	17												ret. wall vert.
	3/4	9'-3"	17												" " "
	5/8	6'-6"	148												abutment top vert.
	1/2	40'-0"	48												abutment hor.
		23'-6"	22												ret. wall "
		17'-3"	48												abutment "
		8'-0"	16												interior pylons top
		6'-0"	8												" " " "
		5'-3"	24												ext. pylon bracket
		4'-9"	8												" " " top
		4'-6"	48												pylons top hor.
		4'-3"	16												ext. pylons top
		2'-3"	8												safety walk bracket
	1/2	2'-0"	8												" " " "
AF600	1/2	17'-6"	13	16-9						0-9					pylon-abutment
AF601	1/2	37'-6"	2	13	36-9					0-9					" "
AP 200	1/4	3-3	7902	15	0-9					0-5					" " "
WP600	1/2	17'-6"	13	16-9						0-9					pylon-wingwall
WP601	1/2	37'-6"	13	36-9						0-9					" "
WP200	1/4	3-3	2022	15	0-9					0-5					" "
	1/2	40'-0"													pylon-abutment
	1/2	40'-0"													pylon-wingwall

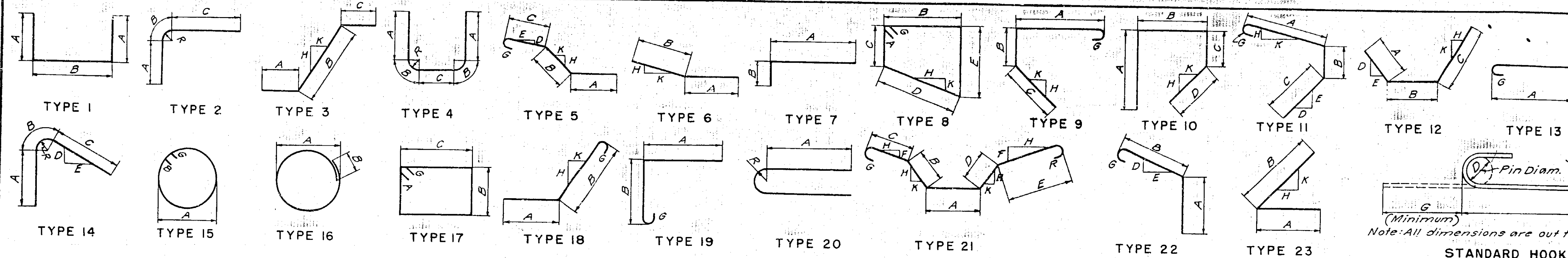
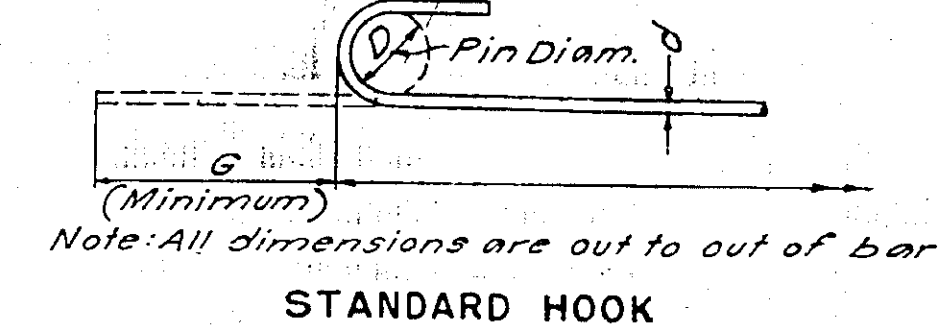
STRUCTURE NO. 2 - BAR LIST - SHEET NO. 3															
MARK	SIZE	LTH.	NO. REQ'D.	TYPE	DETAIL - DIMENSIONS										LOCATION
					A	B	C	D	E	F	G	H	K	R	
WP800	1/2	11'-0"	69	14	4'-9"	2'-0"	4'-3"	1	16					1'-3"	B20 dowels
WP801	1/2	10'-0"	33	14	6'-9"	2'-0"	1'-3"	1	16					1'-3"	" " "
WP500	5/8	9'-3"	36	14	5'-0"	1'-3"	3'-0"	1	16					0-9 1/2	B12a dowels
WP501	5/8	15'-3"	1	14	11'-0"	1'-3"	3'-0"	1	16						SE, B12a dowels
WP502	5/8	14'-6"	3	14	10'-3"	1'-3"	3'-0"	1	16						NW, SE, SW B12a dowels
WP503	5/8	14'-0"	3	14	9'-9"	1'-3"	3'-0"	1	16						NE, SE, SW " " "
WP504	5/8	13'-9"	1	14	9'-6"	1'-3"	3'-0"	1	16						NW " " "
WP505	5/8	13'-6"	3	14	9'-3"	1'-3"	3'-0"	1	16						NE, SE, SW " " "
WP506	5/8	13'-3"	2	14	9'-0"	1'-3"	3'-0"	1	16						NE, NW " " "
WP507	5/8	13'-0"	3	14	8'-9"	1'-3"	3'-0"	1	16						NE, SE, SW " " "
WP508	5/8	12'-6"	3	14	8'-3"	1'-3"	3'-0"	1	16						NE, NW, SW " " "
WP509	5/8	12'-3"	2	14	8'-0"	1'-3"	3'-0"	1	16						SE, SW " " "
WP510	5/8	12'-0"	2	14	7'-9"	1'-3"	3'-0"	1	16						NE, NW " " "
WP511	5/8	11'-9"	3	14	7'-6"	1'-3"	3'-0"	1	16						NE, SE, SW " " "
WP512	5/8	11'-6"	3	14	7'-3"	1'-3"	3'-0"	1	16						NE, NW, SW " " "
WP513	5/8	11'-0"	4	14	6'-9"	1'-3"	3'-0"	1	16						" " "
WP514	5/8	10'-6"	1	14	6'-3"	1'-3"	3'-0"	1	16						SE " " "
WP515	5/8	10'-3"	1	14	6'-0"	1'-3"	3'-0"	1	16					0-9 1/2	NW " " "
	1/2	8'-0"	53												B20, top, trans.
	3/4	10'-3"	15												NE, SE, SW B12a, top
	3/4	9'-3"	5												NW " " "
	3/4	8'-0"	53												B20, bott. trans.
	5/8	4'-6"	39												B12a, top, trans.
	1/2	14'-3"	38												NE, SW, B20, long.
	1/2	10'-6"	19												SE " " "
	1/2	10'-3"	21												NE, SW, SE, B12a long.
	1/2	9'-6"	19												NW B20 long.
	1/2	9'-3"	7												NW B12a long.
	1/2	5'-6"	39												B12a, bott. trans.
S500	5/8	26'-9"	356	5	23-2	0-9	2-1			0-9	12	7			bottom-trans.
S501	5/8	33'-3"	356	6	31-9	1-6					13	12			" " "
S400	1/2	3'-9"	326	17	3-0	0-9									safety walk-trans.
S401	1/2	4'-6"	262	8	0-6	0-6	1-0	0-8	1-2		0-6	12	3		stirrups
S402	1/2	4'-0"	140	13	3-6						0-6				top-trans. & ends
	5/8	19'-6"	356												top-trans.
	5/8	12'-6"	534												" " "
	5/8	12'-0"	356												" " "
	1/2	40'-0"	476												top & bott.-long.
	1/2	7'-6"	238												" " "

WINGWALL-FOOTINGS

SUPERSTRUCTURE

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	58	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						

d	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"
D	3"	3 1/2"	4"	5"	5 1/2"	6"	6 1/2"	7"
G	5"	6"	8"	9"	11"	12"	13"	15"



STRUCTURE NO.2 - BAR LIST - SHEET NO. 4

MARK	SIZE	LTH.	NO. R.O.D.	TYPE	DETAIL DIMENSIONS	LOCATION
					A B C D E F G H K R	
	1#	13-0	52			B-B & B-20 vertical
	1#	10-6	17			B-B vertical
	1#	10-0	34			B-20 "
	3/4#	10-0	5			SE, B-B, vertical
	3/4#	9-6	8			NE & SW, B-B, vert.
	3/4#	9-0	5			NW, B-B vertical
	5/8#	7-9	7			SE, B-20 vertical
	5/8#	6-0	20			NE & SW, B-20 vert.
	5/8#	5-6	7			NW, B-20 vertical
	1/2#	34-0	4			NE, SW horizontal
		33-0	6			NE, SW "
		30-0	2			SE "
		28-0	5			SE, NW "
		27-6	2			NE, SW "
		26-3	3			NW "
		25-9	1			SE "
		23-0	5			NW, NE, SW "
		21-6	2			NE, SW "
		20-3	1			SE "
		19-0	1			NW "
		18-0	1			SE "
		17-0	1			NW "
		16-3	1			SE "
		15-9	2			NE, SW "
		15-0	1			NW "
		12-3	1			SE "
		10-6	1			NW "
		9-9	2			SE "
		8-3	1			NW "
		6-3	1			SE "
		3-9	1			NE, SW "
		3-0	2			NW "
	1/2#	2-9	1			

STRUCTURE NO.3 - BAR LIST - SHEET NO. 11

MARK USER NO.	SIZE	L'TH.	NO. R.O.D.	TYPE	DETAIL DIMENSIONS												LOCATION
					A	B	C	D	E	F	G	H	K	R			
PILES	AP600	3/4#	37-6	96	13	36-9					0-9					abutment-vert.P	
	AP601	3/4#	17-6	60	13	16-9					0-9					" -batter P	
	PF602	3/4#	10-0	264	13	9-3					0-9					pier batter piles	
	AP200	1/4#	3-0	1106	15	0-9					0-4					abut. piles	
	PF201	1/4#	3-0	2024	15	0-9					0-4					pier "	
		3/4#	40-0	60													abut.batter piles
		3/4#	40-0	264												pier " "	
PIERS	P900	1 1/8#	26-6	24	2	1-9	1-7	23-2							1-0	beam top reinf.	
	P501	5/8#	12-0	6	20	3-4									1-8	beam @ ends	
	P400	1/2#	11-3	123	16	3-3	1-0									column ties	
	P401	1/2#	13-0	54	17	0-7	2-7	3-4			0-7					beam stirrups	
	P402	1/2#	5-6	108	1	1-6	2-6									concrete pad dowels	
		1 1/8#	37-0	48													ftg.top & bot.long.
		1 1/8#	32-9	27													beam bot.reinf.
		1#	16-9	72													columns 1 & 2 vert.
		1#	15-3	36													column 3 vert.
		1#	6-9	108													" " dowels
		5/8#	30-0	64													beam,sides
		1/2#	5-9	114													ftg.top & bot.trans.
ABUTMENTS	A500	5/8#	7-6	46	7	4-0	3-6									abt. ftg.	
	A501	5/8#	34-9	6	6	32-9	2-0					7	12			back wall-hor.	
	A502	5/8#	4-3	18	13	3-6					9					abt.dowels-hor.	
	A400	1/2#	18-6	18	17	0-6	1-0	7-9			0-6					pylons-hor.	
	A401		7-0	12	1	1-9	3-6									" "	
	A402		13-6	12	1	5-0	3-6									" "	
	A403			16	7	3-6	1-9									" "	
	A405		3-3	72	1	1-6	1-9									abut.dowels	
	A406		4-9	24	7	9-0	1-0									pylons-hor.	
	A407	1/2#		12	1	6-0	1-0									" "	
	A701	7/8#	9-3	16	20	4-2										0-3 pylon cable anchor.	
	A601	3/4#		16	1	8-0	1-0										
		3/4#	40-0	32													abt.ftg.top & bott.
			14-0	38													pylon ftg.top & bott.
			11-0	2													" " bott.
			10-6	2													" " "
			10-3	2													" " "
			9-6	2													" " "
			9-3	2													" " "
			8-9	2													" " "
			8-3	2													" " "
			8-0	18													" " " & pylon Vert.
			7-9	2													" " "
			7-0	2													" " "
			6-6	2													" " "
			5-9	48													" " top & bott.
			5-6	56													abt.ftg.bott.
			4-6	34													abt. & pylon ftg.
		3-6	2													pylon ftg.bott.	
	3/4#	3-3	2													" " "	
	3/4#	7-6	22													" verls.	

STRUCTURE NO.3 - BAR LIST - SHEET NO.2

MARK	SIZE	LTH.	NO. R.O.D.	TYPE	DETAIL DIMENSIONS	LOCATION
					A B C D E F G H K R	
	5/8#	35-0	6			abut.-long'l. bars
		32-9	8			back wall-long'l
		14-0	10			pylon ftg.-top
		11-9	2			" "
		10-6	2			pylon ftg.-top
		9-6	14			" " "
		9-3	2			" " "
		6-6	30			" verls
		8-3	4			pylon ftg.-top
		6-0	66			pylon ftg.-bott.
		6-9	2			" " top
		6-3	46			back wall-vert.
		5-9	2			pylon ftg.-top
		5-6	46			pylon & abt. ftg.
		4-3	68			pylon ftg.-bott.
		4-6	2			" " -top
		3-6	12			" " "
	5/8#	3-3	2			" " "
	1/2#	9-3	12			pylon-horiz.
	1/2#	7-9	16			" "

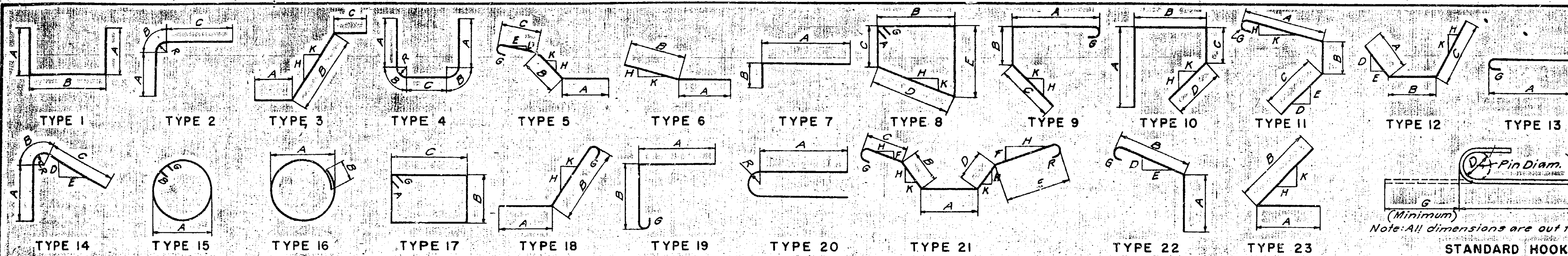
In charge of *Max H. Pappas*
 Made by *Francis L. Brown*
 Traced by *N. Brown*
 Checked by *Ray H. Wells*

BAR LIST
STRUCTURE NO.2 CONTINUED AND NO.3

PREPARED AND RECOMMENDED
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

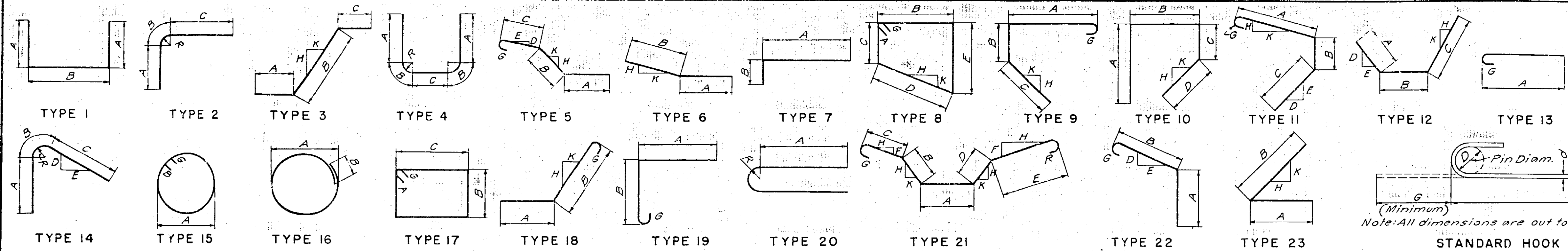
DWG. NO. 13B-54C SCALE None DATE 4-1-52
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	58	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 13A						

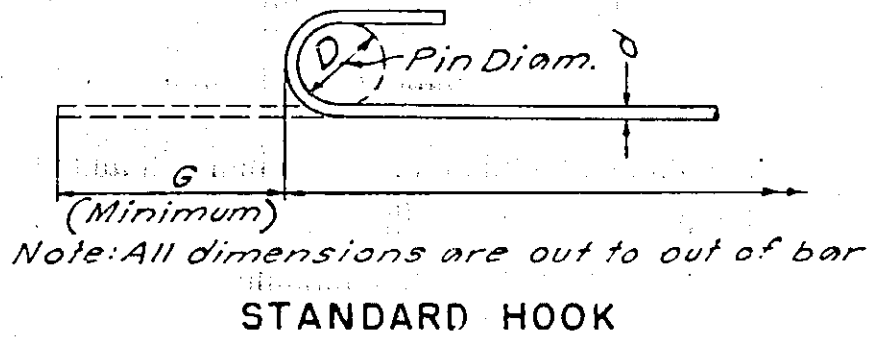


C	$\frac{3}{8}''$	$\frac{1}{2}''$	$\frac{5}{8}''$	$\frac{3}{4}''$	$\frac{7}{8}''$	$1''$	$1\frac{1}{8}''$	$1\frac{1}{4}''$
D	3"	3"	5"	5"	5"	9"	9"	10"
G	5"	6"	8"	9"	11"	1-2"	1-2"	1-3"
								1-5"

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	59	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



d	3/8"	1/2"	5/8"	3/4"	1"	1 1/8"	1 1/4"	1 1/2"	1 3/4"	2"
D	3"	3"	5"	5"	5"	9"	9"	9"	9"	10"
G	5"	6"	8"	9"	11"	1-2"	1-2"	1-3"	1-5"	



STRUCTURE NO. 3-BAR LIST - SHEET NO. 3															LOCATION
MARK	SIZE	L'TH.	NO.	TYPE	A	B	C	D	E	F	G	H	K	R	
8600	3/4	33-0	16	6	31-0	2-0							7	12	edge bars @ jts.
8500	5/8	6-9	8	5	3-0	0-10	2-3	3/4	12			8	12	7	bottom of slab
8501		8-3			4-6										
8502		9-6			5-9										
8503		10-9			7-0										
8504		12-0			8-3										
8505		13-6			9-9										
8506		14-9			11-0										
8507		16-0			12-3										
8508		17-3			13-6										
8509		18-6			14-9										
8510		19-9			16-0										
8511		21-0			17-3										
8512		22-6			18-9										
8513		23-9			20-0										
8514		25-0			21-3										
8515	5/8	26-6	8	5	22-9	0-10	2-3	3/4	12			8	12	7	
8516	5/8	6-3	8	6	4-6	1-9						2 3/4	12		
8517		7-6			5-9										
8518		8-9			7-0										
8519		10-3			8-6										
8520		11-6			9-9										
8521		12-9			11-0										
8522		14-0			12-3										
8523		15-6			13-9										
8524		16-9			15-0										
8525		18-0			16-3										
8526		19-3			17-6										
8527		20-6			18-9										
8528		21-9			20-0										
8529		23-3			21-6										
8530		24-6			22-9										
8531	5/8	25-9	8	6	24-0	1-9						2 3/4	12		
8532	5/8	27-0	6	5	23-3	0-10	2-3	3/4	12			8	12	7	
8533	5/8	26-9	6	6	25-0	1-9						2 3/4	12		
8534	5/8	28-3	6	5	24-6	0-10	2-3	3/4	12			8	12	7	
8535	5/8	31-6	8	21	25-0	0-10	2-3	0-10	1-3	3/4	8	12	7	8	
8536	5/8	29-6	8	12	1-9	27-0	0-9	2 3/4	12			12	2 3/4		
8537	5/8	32-6	200	21	25-0	0-10	2-3	0-10	2-3	3/4	8	12	7	8	
8538	5/8	30-6	198	12	1-9	27-0	1-9	2 3/4	12			12	2 3/4		bottom of slab
8400	1/2	3-9	570	7	3-0	0-9									top
8401	1/2	4-6	454	8	0-6	0-8	1-0	0-8	1-2		0-6	12	2 3/4		stirrups
8402	1/2	2-9	8	7	2-0	0-9									top
	1/4	7-0	16												arrangement "D"
	3/4	5-0	30												NW & SE Corner

STRUCTURE NO. 3-BAR LIST - SHEET NO. 4															LOCATION
MARK	SIZE	L'TH.	NO.	TYPE	A	B	C	D	E	F	G	H	K	R	
	5/8	30-6	398												top
		29-6	16												
		27-3	6												
		26-9	6												
	5/8	26-0	6												
	5/8	26-0	8												
		25-0													
		24-3													
		23-6													
		23-0													
		22-3													
		21-6													
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		10-6													
		10-0													
		9-3													
		8-6													
		8-0													
		7-3													
		6-6													
		6-0													
	5/8	5-3	8												top
	5/8	6-0	24												top & bottom
	1/2	40-0	444												top & bottom
		17-0	136												top & bottom
		15-0	12												top & bottom
	1/2	11-0	148												top & bottom

STRUCTURE NO. 4-BAR LIST															LOCATION
MARK	SIZE	L'TH.	NO.	TYPE	A	B	C	D	E	F	G	H	K	R	
A 0800	1/4	19-9	16	6	15-7	4-2						7	12		cut-off wall
A 700	7/8	9-9	720	2	2-3	2-3	5-3								1-6 corner vert.
A 600	3/4	17-9	360	2	7-2	1-11	8-8								1-3 sidewall vert.
A 601	3/4	24-3	180	4	2-10	1-11	4-9								1-3 bottom slab
A 500	5/8	3-9	36	3	1-1	2-1	0-7					12	4		head wall
		10	18-3	360											bottom slab
		10	17-3	360											top slab
	3/4	17-3	4												head wall
	5/8	32-0	396												long bars.
	5/8	8-6	360												sidewall, vert.
	5/8	3-9	360												" , dowels
	1/2	28-3	2												apron
		27-6	2												"
		27-3	2												"
		26-0	2												"
		24-9	2												"
		23-9	2												"
		22-6	2												"
		21-6	2												"
		20-3	2												"
		19-0	2												"
		18-0	2												"
		16-9	2												"
		15-6	2												"
		14-6	2												"
		13-0	28												"
		12-6	4												"
		10-9	4												"
		9-0	4												"
		7-3	4												"
		5-6	4												"
	1/2	3-9	4												"

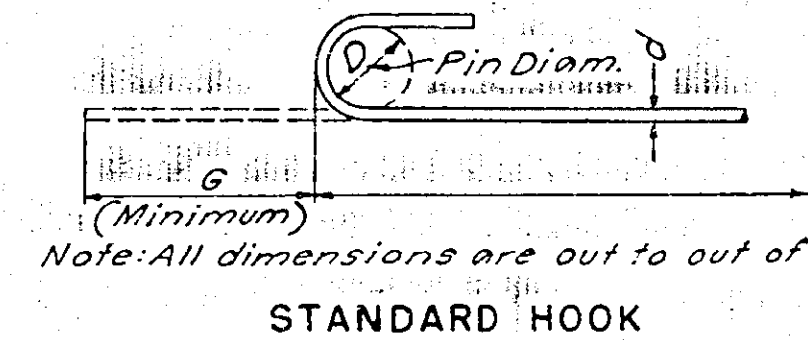
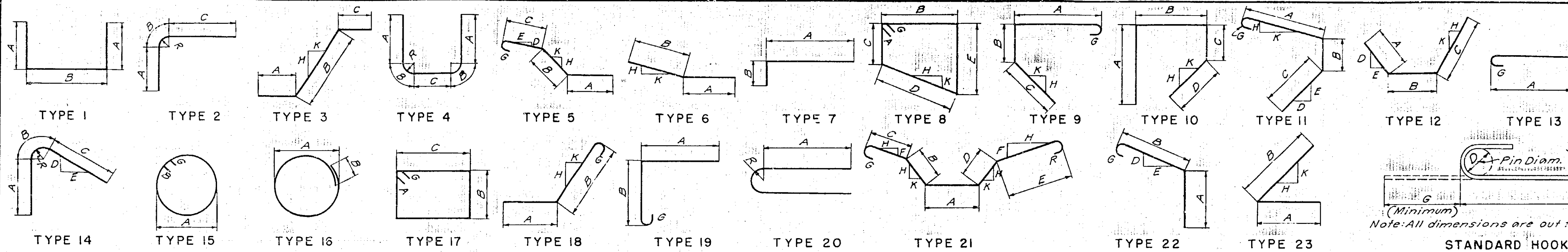
In charge of *Max R. Riquelme*
Made by *Andrew J. Riquelme*
Traced by *U. Riquelme*
Checked by *John R. Riquelme*

Francis L. Brown P.E. 1344

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

BAR LIST			
STRUCTURE NO. 3 CONTINUED AND NO. 4			
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13B-54D	None	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	60	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						



Ø	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
D	3"	3"	5"	5"	5"	9"	9"	9"	10"		
G	5"	6"	8"	9"	11"	1-2"	1-2"	1-3"	1-5"		

Note: All dimensions are out to out of bar

STANDARD HOOK

STRUCTURE NO. 5 - BAR LIST - SHEET NO. 1

MARK	SIZE	L'TH.	NO. R'O'D.	TYPE	DETAIL DIMENSIONS										LOCATION		
					A	B	C	D	E	F	G	H	K	R			
PILES	AF600	3/4#	12-6	204	13	11-9						0-9				abut.vert.piles	
	AF601	3/4#	17-6	720	13	16-9						0-9				" batter piles	
	AF200	1/4#	3-3	2140	15	0-9						0-5				" V & B "	
	WF600	3/4#	12-6	478	13	11-9						0-9				w.walls vert.piles	
	WF601	3/4#	17-6	186	13	16-9						0-9				" " batter piles	
	WF200	1/4#	3-3	595	15	0-9						0-5				" " vert. & b. piles	
ABUTMENTS	AF800	1"	11'-6"	90	2	4'-5"	2'-0"	5'-1"	1/4	12					1-3	wall dowels	
	AF801	1"	10-9	40	2	1-1	2-0	7-8	1/4	12					1-3	" "	
	AF0800	1#	8-0	176	2	4-9	2-0	1-3							1-3	abut. dowels	
	AF0801	1#	13-6	172	2	6-4	2-0	5-2							1-3	" "	
	AF0802	1#	15-3	8	2	5-9	2-0	7-6							1-3	int.pylon dowels	
	AF0803	1#	15-9	8	2	6-3	2-0	7-6							1-3	ext. " "	
		1 1/8"	10-0	30												wall top transv.	
		1 1/8"	8-3	22												" " "	
		1"	10-0	24												abut.corners top	
		1"	8-0	12												" " "	
		1"	6-6	12												" " bottom	
		1#	10-0	8												" " top	
		1#	8-0	8												" " "	
		1#	7-6	160												" top	
		7/8#	9-6	72												wall ftgs.bott.trans	
		3/4#	33-3	12												N abut.long.s.bot.	
		3/4#	31-3	2												S " " top	
		3/4#	30-3	26												N&S " " top & bot	
		3/4#	29-0	10												S " " top	
		3/4#	28-3	10												N " " top	
		3/4#	27-9	24												S " " bottom	
		3/4#	27-3	12												S " " "	
		3/4#	26-9	12												N " " top	
		3/4#	26-0	12												N " " "	
		3/4#	25-0	24												S " " bottom	
		3/4#	5-0	16												pylons-dowels	
		5/8#	12-9	4												abut.corners bottom	
		5/8#	12-0	4												" " "	
		5/8#	11-6	4												" " "	
		5/8#	10-6	164												" trans. "	
	1/2#	22-6	44												wall longs.top & bot		
	1/2#	8-0	88												corn. " " " "		

STRUCTURE NO. 5 - BAR LIST - SHEET NO. 2

MARK	SIZE	L'TH	NO. R/O'D.	TYPE	DETAIL DIMENSIONS										LOCATION	
					A	B	C	D	E	F	G	H	K	R		
AW700	7/8	9-3	16	20	4-2										0-3	pylon cable ftg. anch.
AW000	3/4	8-3	24	9	3-9	1-0	2-9				0-9	1	1			safety walk bracket
AW601	3/4	15-3	4	9	5-0	3-6	6-0				0-9	1	1			interior pylons-top
AW602	3/4	14-6	4	11	5-2	2-7	6-0	1	1		0-9	1 7/16	12			" " "
AW500	5/8	7-6	176	6	4-8	2-10						12	6	58		backwall verts.
AW400	1/2	5-6	112	1	2-3	1-0										interior pylons ties
AW401	1/2	13-6	12	17	0-6	1-0	5-3				0-6					" " "
AW402	1/2	7-0	16	1	3-0	1-0										" " "
ABUTMENTS		1	15-6	30												ret.wall stem vert.
		1	11-6	28												" " " "
		1	16-6	46												abutment stem vert.
		1	16-0	42												" " " "
		1	15-6	42												" " " "
		1	15-0	46												" " " "
		3/4	23-9	8												interior pylons vert.
		3/4	19-9	8												" " " "
		3/4	7-9	30												ret.wall vert.top
		5/8	6-0	176												backwall verts.
		1/2	33-3	68												abutment stem hor.
		1	22-6	22												ret. wall " "
		1	22-0	68												abutment " "
		1	6-0	24												interior pylons-dowel
		1	4-6	48												walk bracket & pylons
	1/2	2-0	24												" " -hor.	
SLABS	S601	3/4	30-3	116	5	26-6	0-9	2-3	1 1/4	12	0-9	12	7			* slab-trans-hott.
	S602	3/4	29-0	112	6	27-2	1-10					3	12			* slab " "
	S401	1/2	3-9	124	7	3-0	0-9									curb-top
	S402	1/2	4-6	100	8	0-6	0-8	1-0	0-8	1-2	0-6	12	3			curb-stirrups
	S403	1/2	2-9	16	7	2-0	0-9									curb-ends-top
	S404	1/2	4-0	164	13	3-6					0-6					slab-end-long-top
		3/4	32-3	114												slab-trans-top
		3/4	23-9	114												" " "
		1/2	34-9	244												slab & curb-longs
		1/2	30-0	24												curbs-longs
* Fit in Field @ Pylons																

STRUCTURE NO. 5 - BAR LIST - SHEET NO. 3

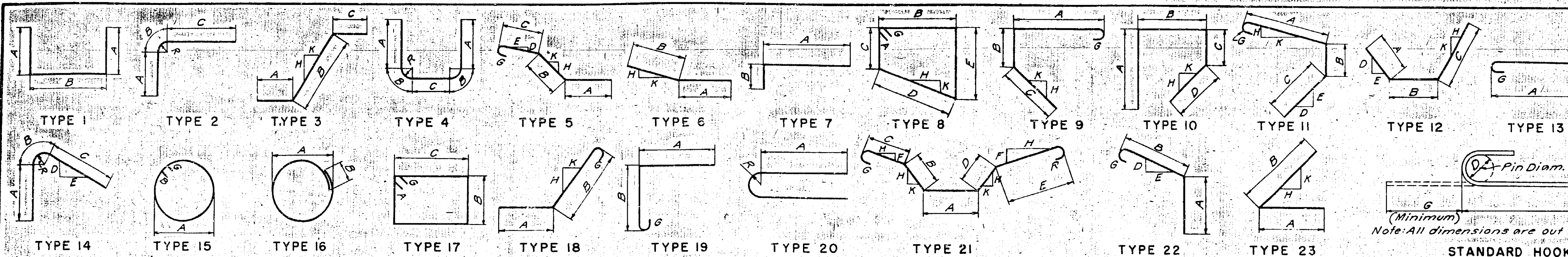
MARK	SIZE	L'TH.	NO. R'O'D.	TYPE	DETAIL DIMENSIONS												LOCATION
					A	B	C	D	E	F	G	H	K	R			
WF0804	1	10-6	49	14	3-8	2-0	4-10	1/4	12						1-3	SW,NW,NE,A-20-dwl.	
WF0805		10-0	22	14	1-1	2-0	6-11									" " " "	
WF0806		10-6	10	14	7-3	2-0	1-3									SE " A-22 "	
WF0807	1	11-0	21	14	5-0	2-0	4-0	1/4	12						1-3	" " "	
WF500	5/8	8-0	12	14	3-4	1-4	3-4	1/4	12						0-10	SE " A-14 dwl.	
WF501		11-0	12	14	6-4		3-4									" " " "	
WF502		9-0	24	14	5-0		2-8									SW,NW,NE,A-12a-dwl.	
WF503		10-0	2	14	6-2		2-6									NW,NE " "	
WF504		10-6	3	14	6-8		2-6									SW,NW,NE " "	
WF505		11-0	3	14	7-2		2-6									" " " "	
WF506		11-6	3	14	7-8		2-6									" " " "	
WF507		12-0	3	14	8-2		2-6									" " " "	
WF508		12-6	3	14	8-8		2-6									" " " "	
WF509		13-0	3	14	9-2		2-6									" " " "	
WF510		13-6	3	14	9-8		2-6									" " " "	
WF511		14-0	3	14	10-2		2-6									" " " "	
WF512	5/8	14-6	1	14	10-8	1-4	2-6	1/4	12						0-10	SW " "	
	1	8-6	38													SW,NW,NE,A-20 trans T	
	1	9-0	8													SE " " "	
	1	7-6	8													" " " "	
	3/4	10-0	39													SW,NW,NE,A-12a longs	
	3/4	8-6	11													SE " A-22 trans B	
	3/4	8-0	38													SW,NW,NE,A-20 " "	
	5/8	6-0	9													SE " A-14 trans B	
	5/8	5-3	13													" " " T	
	5/8	5-0	27													SW,NW,NE,A-12a " T	
	1/2	14-0	18													SW " A-20 longs.	
		12-9	20													SE " A-22 "	
		12-0	14													SE " A-14 "	
		10-6	18													NE " A-20 "	
		9-6	18													NW " A-20 "	
	1/2	5-6	27													SW,NW,NE,A-12a trans B	

In charge of *Not Pawarek*
 Made by *Not Pawarek*
 Traced by *Not Pawarek*
 Checked by *Not Pawarek*

BAR LIST
STRUCTURE NO. 5

PREPARED AND RECOMMENDED
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-33
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

OWG. NO. 13B-54 E SCALE None DATE 4-1-52
 FRANCIS L. BROWN HAROLD A. BLAUVELT
 CONSULTING ENGINEERS



α	$\frac{1}{3}\phi$	$\frac{1}{2}\phi$	$\frac{2}{3}\phi$	$\frac{3}{4}\phi$	$\frac{5}{8}\phi$	1ϕ	1°	$1\frac{1}{2}^{\circ}$	$1\frac{3}{4}^{\circ}$
D	3"	3"	5"	5"	5"	9"	9"	9"	10"
G	5"	6"	8"	9"	11"	1-2"	1-2"	1-3"	1-5"

(Minimum) *Note: All dimensions are out to out of base*
STANDARD HOOK

STRUCTURE NO.5 - BAR LIST - SHEET NO.1

	MARK	SIZE	L'TH.	NO. R.O.D.	TYPE	DETAIL DIMENSIONS												LOCATION		
						A	B	C	D	E	F	G	H	K	R					
PILES	AF600	3/4	12-6	204	13	11-9						0-9						abut.vert.piles		
	AF601	3/4	17-6	720	13	16-9						0-9						" batter piles		
	AF200	1/4	3-3	2140	15	0-9						0-5						" V & B "		
	WF600	3/4	12-6	78	13	11-9						0-9						w.walls vert.piles		
	WF601	3/4	17-6	186	13	16-9						0-9						" " batter piles		
	WF200	1/4	3-3	595	15	0-9						0-5						" " vert. & b. pile		
ABUTMENTS	AF800	1	11-6	90	2	4-5	2-0	5-1	1/4	12								wall dowels		
	AF801	1	10-9	40	2	1-1	2-0	7-8	1/4	12								" " "		
	AF0800	1	8-0	176	2	4-9	2-0	1-3										abut. dowels		
	AF0801	1	13-6	172	2	6-4	2-0	5-2										" " "		
	AF0802	1	15-3	8	2	5-9	2-0	7-6										int.pylon dowels		
	AF0803	1	15-9	8	2	6-3	2-0	7-6										ext. " " "		
		1 1/8	10-0	30														wall top trans.		
		1 1/8	8-3	22														" " "		
		1	10-0	24														abut.corners top		
		1	8-0	12														" " " "		
		1	6-6	12														" " " bottom		
		1	10-0	8														" " " top		
		1	8-0	8														" " " "		
		1	7-6	160														" " " top		
		7/8	9-6	72														wall ftgs.bott.trans		
		3/4	33-3	12														N abut.longs.bot.		
			31-3	2														S " " top		
			30-3	26														N&S " " top & bot		
			29-0	10														S " " top		
			28-3	10														N " " top		
			27-9	24														S " " bottom		
			27-3	12														S " " " "		
			26-9	12														N " " top		
			26-0	12														N " " " "		
			25-0	24														S " " " bottom		
		3/4	5-0	16														pylons-dowels		
		5/8	12-9	4														abut.corners bottom		
			12-0	4														" " " "		
			11-6	4														" " " " "		
		5/8	10-6	164														" trans. " "		
		1/2	22-6	44														wall longs.top & bot		
		1/2	8-0	88														corn. " " " "		

[illegible]

MARK NO.	SIZE	L'TH	NO. R'Q'D.	TYPE	DETAIL DIMENSIONS												LOCATION
					A	B	C	D	E	F	G	H	K	R			
WF0804	1/6	10-6	49	14	3-8	2-0	4-10	1/4	12							1-3	SW,NW,NE,A-20-dw1.
WF0805		10-0	22	14	1-1	2-0	6-11										" " " " "
WF0806		10-6	10	14	7-3	2-0	1-3										SE A-22 "
WF0807	1/6	11-0	21	14	5-0	2-0	4-0	1/4	12							1-3	" " " " "
WF500	5/8φ	8-0	12	14	3-4	1-4	3-4	1/4	12							0-10	SE A-14 dw1.
WF501		11-0	12	14	6-4		3-4										" " " " "
WF502		9-0	24	14	5-0		2-8										SW,NW,NE,A-12a-dw1.
WF503		10-0	2	14	6-2		2-6										NW,NE " " " "
WF504		10-6	3	14	6-8		2-6										SW,NW,NE " " " "
WF505		11-0	3	14	7-2		2-6										" " " " " "
WF506		11-6	3	14	7-8		2-6										" " " " " "
WF507		12-0	3	14	8-2		2-6										" " " " " "
WF508		12-6	3	14	8-8		2-6										" " " " " "
WF509		13-0	3	14	9-2		2-6										" " " " " "
WF510		13-6	3	14	9-8		2-6										" " " " " "
WF511		14-0	3	14	10-2		2-6										" " " " " "
WF512	5/8φ	14-6	1	14	10-8	1-4	2-6	1/4	12							0-10	SW " " " " "
	1	8-6	38														SW,NW,NE,A-20 trans
	1/6	9-0	8														SE " " " " "
	1/6	7-6	8														" " " " " "
	3/4φ	10-0	39														SW,NW,NE,A-12a longs
	3/4φ	8-6	11														SE A-22 trans
	3/4φ	8-0	38														SW,NW,NE,A-20 "
	5/8φ	6-0	9														SE A-14 trans
	5/8φ	5-3	13														" " " " " "
	5/8φ	5-0	27														SW,NW,NE,A-12a "
	1/2φ	14-0	18														SW A-20 longs.
		12-9	20														SE A-22 "
		12-0	14														SE A-14 "
		10-6	18														NW A-20 "
		9-6	18														NW A-20 "
	1/2φ	5-6	27														SW,NW,NE,A-12a trans

WINGWALL FOOTINGS

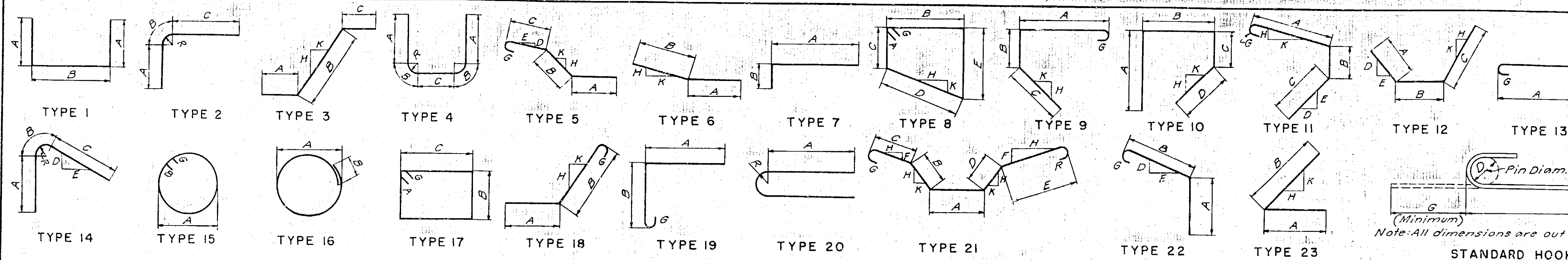
In charge of Nat Rasmussen
Made by Antoni
Traced by N. Wright
Checked by Rene H. Wells

Francis L Brown P.E. 13144

PREPARED AND RECOMMENDED
Harold A. Blauvelt N.Y.S.R.E. LIC. NO. 19032 DATE 6-30-33
 FRANCIS L. BROWN · HAROLD A. BLAUVELT CONSULTING ENGINEERS

BAR LIST			
STRUCTURE NO.5			
DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A BROWN - BLAUVELT CONSULTING ENGINEERS
138-54 E	None	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	61	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



Note: All dimensions are out to out of bar.
STANDARD HOOK

d	3/8"	1/2"	5/8"	3/4"	1"	1 1/8"	1 1/4"	1 1/2"	1 3/4"	2"
D	3"	3"	5"	5"	5"	9"	9"	9"	10"	10"
G	5"	6"	8"	9"	11"	12"	12"	13"	14"	15"

STRUCTURE NO. 5 - BAR LIST - SHEET NO. 4

MARK	SIZE	LTH.	NO. R'Q'D.	TYPE	DETAIL DIMENSIONS	LOCATION
W700	7/8"	9'-3"	16	20	4'-2"	3 pylon-cable anch.
W600	3/4"	15'-0"	4	9	5'-0"	pylons
W601	3/4"	14'-3"	4	11	5'-0"	pylons
W400	1/2"	6'-0"	120	1	2'-6"	pylon-hor. ties
	1/2"	15'-6"	16			SE, SW, NW, NE E-E stem V
	1/2"	11'-6"	16			" " " " " " " "
	1/2"	13'-0"	31			ALL-A20, A-22 stem V
	1/2"	12'-9"	1			SW A-20 " "
	1/2"	12'-6"	2			NW, NE A-20 " "
	1/2"	12'-0"	2			SW, NE A-20 " "
	1/2"	10'-6"	10			SE A-22 " "
	1/2"	10'-0"	24			SW, NW, NE A-20 " "
	3/4"	23'-0"	8			pylons-verts.
	3/4"	18'-0"	8			" " " " " " " "
	3/4"	8'-9"	1			SE E-E stem V
	3/4"	8'-6"	1			SW E-E " "
	3/4"	8'-3"	2			SE A22 E-E stem V
	3/4"	8'-0"	1			SW E-E " "
	3/4"	7'-9"	1			SE A-22 " "
	3/4"	7'-6"	1			SE E-E " "
	3/4"	7'-3"	3			SE, SW, NE, A22, E-E stem V
	3/4"	7'-0"	2			SE, NW E-E stem V
	3/4"	6'-9"	3			SE, SW, NE, E-E & A22 " "
	3/4"	6'-6"	1			NW E-E stem V
	3/4"	6'-3"	1			SE A22 " "
	3/4"	6'-0"	1			NE E-E " "
	3/4"	5'-9"	2			SE, NW E-E & A22 stem V
	3/4"	5'-6"	1			NE E-E " "
	3/4"	5'-3"	2			SE, NW, E-E & A22 " "
	3/4"	4'-9"	1			SE A22 " "
	3/4"	4'-3"	1			SE A22 " "
	3/4"	3'-9"	1			SE A22 " "
	3/4"	3'-3"	1			SE A22 " "
	5/8"	11'-0"	1			SE A14 " "
	5/8"	10'-6"	1			SE " " " "
	5/8"	10'-0"	1			SE " " " "
	5/8"	9'-9"	1			SE " " " "
	5/8"	9'-3"	1			SE " " " "
	5/8"	8'-9"	1			SE " " " "
	5/8"	8'-3"	1			SE " " " "
	5/8"	8'-0"	1			SE " " " "
	5/8"	7'-6"	1			SE " " " "
	5/8"	7'-0"	1			SE " " " "
	5/8"	6'-9"	1			SW A20 " "
	5/8"	6'-6"	1			SE A14 " "
	5/8"	6'-3"	1			SW A20 " "
	5/8"	6'-0"	1			SE A14 " "
	5/8"	5'-9"	2			NW, NE A20 " "
	5/8"	5'-6"	1			SW " " " "

STRUCTURE NO. 5 - BAR LIST - SHEET NO. 5

MARK	SIZE	LTH.	NO. R'Q'D.	TYPE	DETAIL DIMENSIONS	LOCATION
	5/8"	5'-0"	3			SW, NW, NE A20 stem V
	5/8"	4'-3"	3			SW, NW, NE " " "
	5/8"	3'-9"	3			SW, NW, NE " " "
	5/8"	3'-0"	3			SW, NW, NE " " "
	1/2"	34'-6"	2			SE stem hor. 1
	1/2"	33'-9"	2			SW " " "
	1/2"	31'-9"	4			SE " hor.
	1/2"	31'-3"	3			SW
	1/2"	30'-3"	2			NE
	1/2"	29'-3"	3			SW, NW
	1/2"	27'-9"	3			NE
	1/2"	27'-6"	1			SE
	1/2"	26'-9"	3			NW
	1/2"	24'-6"	1			SW
	1/2"	23'-6"	1			NE
	1/2"	23'-0"	1			SE
	1/2"	22'-6"	1			NW
	1/2"	21'-6"	1			SW
	1/2"	20'-0"	1			SE
	1/2"	19'-9"	1			SW
	1/2"	19'-0"	1			NE
	1/2"	18'-6"	1			SE
	1/2"	18'-0"	2			NW, NE
	1/2"	17'-0"	1			NW
	1/2"	15'-0"	1			SW
	1/2"	14'-6"	1			NE
	1/2"	14'-0"	1			SE
	1/2"	13'-6"	1			NW
	1/2"	10'-3"	1			SW
	1/2"	10'-0"	1			NE
	1/2"	9'-6"	1			SE
	1/2"	9'-0"	1			NW
	1/2"	7'-0"	2			NW stem hor.
	1/2"	6'-0"	24			pylons-vert.
	1/2"	5'-6"	1			SW stem hor.
	1/2"	5'-3"	32			pylon-hor.
	1/2"	5'-0"	1			SE
	1/2"	4'-6"	34			pylons & NE, NW stemhor
	1/2"	3'-6"	8			pylons-hor.

STRUCTURE NO. 6 - BAR LIST

MARK	SIZE	LTH.	NO. R'Q'D.	TYPE	DETAIL DIMENSIONS	LOCATION
A800	1/2"	9'-3"	8	6	5'-11"	cut-off walls
A801	1/2"	8'-3"	8	6	4'-11"	" " "
A600	3/4"	14'-3"	947	2	5'-6"	barrel corners
A500	5/8"	9'-9"	237	1	4'-4"	" ftg. dowels
A501	5/8"	4'-0"	62	3	1'-0"	" coping
	1/2"	10'-0"	474			barrel sl. & ftg. trans.
	1/2"	39'-0"	8			cut-off walls
	7/8"	15'-3"	1863			barrel sl. & ftg. trans.
	7/8"	10'-0"	9			" trans. @ M.H.
	3/4"	30'-9"	4			" coping longs.
	3/4"	18'-3"	5			" sl. longs @ M.H.
	3/4"	17'-0"	469			" & ftg. trans.
	3/4"	9'-0"	4			" longs @ M.H.
	5/8"	17'-6"	72			" longs, sect 1, 2
	1/2"	20'-0"	228			" " " 1, 2
	1/2"	15'-6"	76			" " " 1, 2
	1/2"	13'-6"	80			" " " 1, 2
	1/2"	32'-3"	565			" " 3, 4, 5, 6, 7
	1/2"	15'-9"	2			" " "
	1/2"	11'-9"	3			" " "
	1/2"	8'-9"	953			" verts.
	5/8"	4'-3"	474			" ftg. dowels
	1/2"	40'-0"	2			apron trans.
	1/2"	39'-3"	2			" "
	1/2"	39'-0"	2			" "
	1/2"	38'-0"	2			" "
	1/2"	36'-9"	2			" "
	1/2"	35'-9"	2			" "
	1/2"	34'-9"	2			" "
	1/2"	33'-6"	2			" "
	1/2"	32'-0"	2			" "
	1/2"	30'-9"	2			" "
	1/2"	29'-6"	2			" "
	1/2"	28'-6"	2			" "
	1/2"	27'-6"	2			" "
	1/2"	12'-3"	56			apron longs.
	1/2"	12'-0"	2			" "
	1/2"	11'-0"	2			" "
	1/2"	9'-9"	2			" "
	1/2"	9'-0"	2			" "
	1/2"	8'-6"	2			" "
	1/2"	7'-6"	2			" "
	1/2"	6'-3"	2			" "
	1/2"	6'-0"	2			" "
	1/2"	5'-0"	2			" "
	1/2"	4'-0"	2			" "
	1/2"	3'-0"	19			" & M.H. dowels
	1/2"	2'-6"	2			apron longs.
M401	1/2"	11'-9"	38	1	3'-8"	man-hole horiz.
	1/2"	19'-3"	40			" verts.
	1/2"	6'-3"	44			" horiz. & sl.
	1/2"	5'-6"	44			man-hole horiz. & sl.

In charge of
Made by
Traced by
Checked by

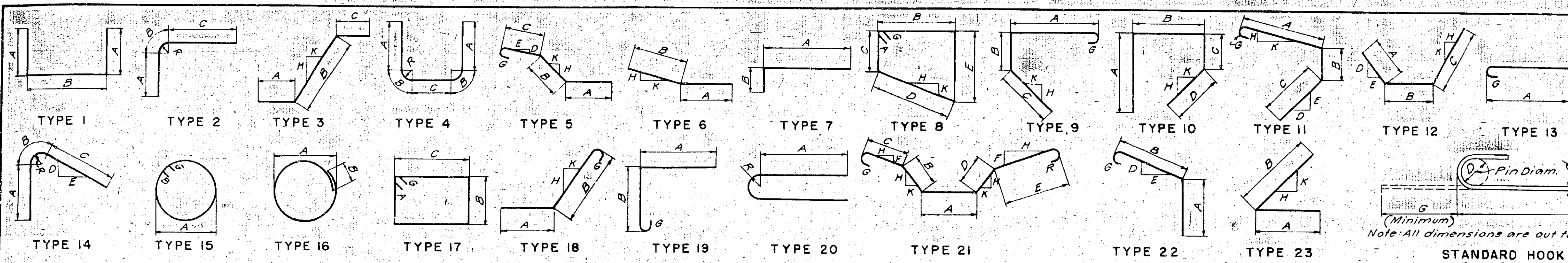
Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED
Francis L. Brown & Harold A. Blauvelt, Inc. No. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

BAR LIST
STRUCTURE NO. 5 CONTINUED AND NO. 6

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-B-54F	None	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	61	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SHEET 10-A						



d	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 1/2"
D	3"	3"	5"	5"	5"	9"	9"	9"	10"
G	5"	6"	8"	9"	11"	1-2"	1-2"	1-3"	1-5"

6/R

STRUCTURE NO.5 - BAR LIST - SHEET NO.4

MARK	SIZE	L'TH.	NO. R.O.D.	TYPE	DETAIL DIMENSIONS	LOCATION										
					A	B	C	D	E	F	G	H	K	R		
W700	7/8	9-3	16	20	4-2										3	pylon-cable anch.
W600	3/4	15-0	4	9	5-0	3-9	5-6				0-9	7	12			pylons
W601	3/4	14-3	4	11	5-0	3-0	5-6	12	7		0-9	2	12			pylons
W400	1/2	6-0	120	1	2-6	1-0										pylon-hor. ties
	1	15-6	16													SE,SW,NW,NE E-E stem V
	1	11-6	16													" " " " " "
	1	13-0	31													ALL-A20,A-22 stem V
		12-9	1													SW,NW,A-20 " " "
		12-6	2													NW,NE A-20 " " "
		12-0	2													SW,NE A-20 " " "
		10-6	10													SE stem A-22 " " "
	1	10-0	24													SW,NW,NE A-20 " " "
	3/4	23-0	8													pylons-verts.
		18-0	8													" " " " " "
		8-9	1													SE stem V
		8-6	1													SW E-E " " "
		8-3	2													SE A22 & E-E stem V
		8-0	1													SW E-E " " "
		7-9	1													SE A-22 " " "
		7-6	1													SE stem E-E " " "
		7-3	1													SE,SW,NE,A22,E-E stem V
		7-0	2													SE,NW SE stem V
		6-9	3													SE,SW,NE,EE & A22 " " "
		6-6	1													NW SE stem V
		6-3	1													SE A22 " " "
		6-0	1													NE SE " " "
		5-9	2													SE,NW SE & A22 stem V
		5-6	1													NE SE " " "
		5-3	2													SE,NW,SE & A22 " " "
		4-9	1													SE A22 " " "
		4-3	1													SE A22 " " "
		3-9	1													SE A22 " " "
	3/4	3-3	1													SE A22 " " "
	5/8	11-0	1													SE A14 " " "
		10-6	1													SE " " "
		10-0	1													SE " " "
		9-9	1													SE " " "
		9-3	1													SE " " "
		8-9	1													SE " " "
		8-3	1													SE " " "
		8-0	1													SE " " "
		7-6	1													SE " " "
		7-0	1													SE " " "
		6-9	1													SW A20 " " "
		6-6	1													SE A14 " " "
		6-3	1													SW A20 " " "
		6-0	1													SE A14 " " "
		5-9	2													NW,NE A20 " " "
	5/8	5-6	1													SW " " "

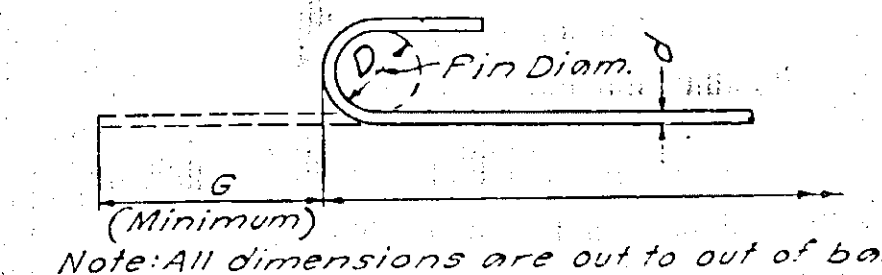
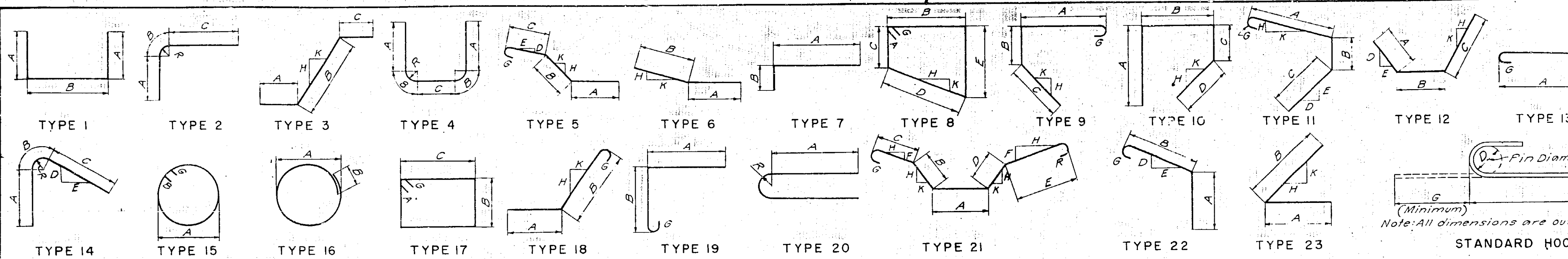
STRUCTURE NO.5 - BAR LIST - SHEET NO.5

MARK	SIZE	L'TH.	NO. R.O.D.	TYPE	DETAIL DIMENSIONS													LOCATION
					A	B	C	D	E	F	G	H	K	R				
	5/8"	5-0"	3															SW,NW,NE A20 stem V
	4-3	3																SW,NW,NE " " "
	3-9	3																SW,NW,NE " " "
	5/8"	3-0	3															SW,NW,NE " " "
	1/2"	34-6	2															SE stem hor. 1
	33-9	2																SW " " "
	31-9	4																SE " hor.
	31-3	3																SW
	30-3	2																NE
	29-3	3																SW,NW
	27-9	3																NE
	27-6	1																SE
	26-9	3																NW
	24-6	1																SW
	23-6	1																NE
	23-0	1																SE
	22-6	1																NW
	21-6	1																SW
	20-0	1																SE
	19-9	1																SW
	19-0	1																NE
	18-6	1																SE
	18-0	2																NW,NE
	17-0	1																NW
	15-0	1																SW
	14-6	1																NE
	14-0	1																SE
	13-6	1																NW
	10-3	1																SW
	10-0	1																NE
	9-6	1																SE
	9-0	1																NW
	7-0	2																NW stem hor.
	6-0	24																pylons-vert.
	5-6	1																SW stem hor.
	5-3	32																pylon-hor.
	5-0	1																SE
	4-6	34																pylons & NE,NW stemhor
	1/2"	3-6	8															pylons-hor.

WING WALLS

STRUCTURE NO.6 - BAR LIST																	
MARK	SIZE	L'TH.	NO. R.O.D.	TYPE	DETAIL DIMENSIONS												LOCATION
					A	B	C	D	E	F	G	H	K	R			
A800	1" 8	9-3	18	6	5-11	3-4							10 1/2	12		cut-off walls	
A801	1" 8	8-3	18	6	4-11	3-4							4	12		" " "	
A600	3/4" 14-3	9473	2	2	4-11	1-3	Long								1-4	barrel corners	
A500	5/8" 9-9	237	1	4-4	1-1											" ftg.dowels	
A501	5/8" 4-0	62	3	1-0	2-5	0-7							12	4		" " coping "	
	1" 10-0	474														barrel sl.&ftg.trans.	
	1" 39-0	8														cut-off walls	
	7/8" 15-3	1863														barrel sl.&ftg.trans.	
	7/8" 10-0	9														" " trans @M.H.	
	3/4" 30-9	4														" coping longs.	
	3/4" 18-3	15														" sl.longs @M.H.	
	7/4" 17-0	469														" " & ftg.trans	
	3/4" 9-0	4														" " longs @M.H.	
	5/8" 17-6	72														" longs.sect 1,2	
	20-0	228														" " " " " 1,2	
	15-6	76														" " " " " 1,2	
	13-6	80														" " " " " 1,2	
	32-3	565														" " " 3,4,5,6,7	
	15-9	824														" " " @M.H.	
	11-9	3														" " " " "	
	8-9	953														" " " " "	
	5/8" 4-3	474														" " ftg.dowels	
	1/2" 40-0	2														apron trans.	
	39-3	2														" " " " "	
	39-0	2														" " " " "	
	38-0	2														" " " " "	
	36-9	2														" " " " "	
	35-9	2														" " " " "	
	34-9	2														" " " " "	
	33-6	2														" " " " "	
	32-0	2														" " " " "	
	30-9	2														" " " " "	
	29-6	2														" " " " "	
	28-6	2														" " " " "	
	27-6	2														" " " " "	
	12-3	56														apron longs.	
	12-0	2														" " " " "	
	11-0	2														" " " " "	
	9-9	2														" " " " "	
	9-0	2														" " " " "	
	8-6	2														" " " " "	
	7-6	2														" " " " "	
	6-3	2														" " " " "	
	6-0	2														" " " " "	
	5-0	2														" " " " "	
	4-0	2														" " " " "	
	3-0	19														" " " " & MH dowels	
	1/2" 2-6	2														apron longs.	
M401	1/2" 11-9	38	1	3-8	4-5											man-hole horiz.	
	1/2" 19-3	40														" " " " " vert.	
	1/2" 6-3	44														" " " " " horiz.& sl.	
	1/2" 5-6	44														man-hole horiz.& sl.	
TOTAL																	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	62	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



Note: All dimensions are out to out of bar

STANDARD HOOK

Ø	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"
D	3"	3"	5"	5"	9"	9"	9"	10"	
G	5"	6"	8"	9"	11"	12"	12"	12"	

STRUCTURE NO.7 - BAR LIST

MARK	SIZE	LTH.	NO. R/O'D.	TYPE	DETAIL DIMENSIONS	LOCATION
AD800	1/2"	24'-0"	8	12	3-9 17-3 3-0 12 11 12 2 1/2	cut off wall
A500	5/8"	12-3	1084	7	4-9 7-6	outside face
A504	1/2"	6-6	1053	7	3-3 3-3	" " corners
A509	1/2"	8-0	4	13	7-4	top slab @ M.H.
A511	5/8"	3-9	28	3	1-1 2-1 0-7	head wall
A400	1/2"	4-0	34	13	3-6	wing wall-ftg.dowel
	1/2"	12-3	1069			bott.slabs & top slab
	1/2"	8-0	7			top slab @ M.H.
	3/4"	13-0	4			head wall
	5/8"	20-0	96			sect.1,2 - long
	5/8"	17-6	48			" 1,2, " "
		15-6	48			" 3,4,5,6,7,8
		33-0	284			top slab @ M.H.sect 3
		27-9	4			" " " " " "
		7-6	6			" " " " " "
		7-0	4			side wall @ M.H. " "
		6-3	544			side wall vert.
		1-6	4			top slab @ M.H.sect 3
	5/8"	3-6	544			bottom slab-dowels
	1/2"	40-0	4			wing wall-vert.
		18-6	2			apron
		17-6	2			
		17-3	2			
		16-3	2			
		15-3	2			
		13-6	2			
		12-3	2			
		10-9	2			apron
		9-0	8			N.E. & S.W. wing wall
		7-9	22			apron
		7-0	8			N.W. & S.E. wing wall
		6-9	2			apron
		5-9	2			
		5-0	2			
		4-0	2			
		3-3	2			apron
		3-0	17			" & M.H.dow.sect 3
	1/2"	2-0	2			apron
M401	1/2"	11-6	52	1	3-5 4-8	manhole-hor.
	1/2"	26-0	26			manhole-vert.
	1/2"	5-3	12			" top slab
	1/2"	5-0	52			" hor.
	1/2"	4-6	52			" "

TOTAL

STRUCTURE NO.8 - BAR LIST - SHEET NO.1

MARK	SIZE	LTH.	NO. R/O'D.	TYPE	DETAIL DIMENSIONS	LOCATION
A1000	1 1/4"	14-0	72	14	5-6 1-9 6-6 1 12	dowels-ret.wall & pyl
A1001	1 1/4"	9-6	30	14	1-3 1-9 6-6 1 12	" " " " " "
A900	1 1/8"	11-0	96	6	9-0 2-0	S.foot-bot-transv.
A901	1 1/8"	11-3	20	6	9-3 2-0	S.foot-bot-transv.
A600	1"	8-3	83	7	5-9 2-6	S.foot dowels
A0800	1/2"	10-6	185	6	6-6 4-0	dowels-back wall S.ft
A0801	1/2"	9-0	222	7	6-0 3-0	" " " " N.ft
A0802	1/2"	8-3	138	13	7-9	ext.corn.bars
A0803	1/2"	7-3	138	13	6-9	" " " " "
A0804	1/2"	5-9	138	13	5-3	int.corn.bars
A0805	1/2"	5-3	138	13	4-9	" " " " "
A700	7/8"	9-0	97	6	7-0 2-0	N.footing-bottom
A701	7/8"	9-3	11	6	7-3 2-0	" " " " "
A702	7/8"	9-6	2	6	7-6 2-0	" " " " "
A703	7/8"	10-0	1	6	8-0 2-0	" " " " "
A704	7/8"	10-3	1	6	8-3 2-0	" " " " "
A705	7/8"	10-6	1	6	8-6 2-0	" " " " "
A706	7/8"	4-9	44	13	4-0	ext.corn.
A707	7/8"	9-3	16	20	4-2	pylons-cable-ftg.anch
A600	3/4"	7-3	227	17	4-9 2-6	dowels N & S abut.ft.
A601	3/4"	14-0	8	19	5-0 3-3 5-0	pylon brackets
A602	3/4"	13-6	4	11	5-0 2-9 5-0	" " " " "
A603	3/4"	8-9	16	10	3-0 2-0 0-9 3-0	bracket-safety walk
A604	3/4"	8-6	36	13	7-9	ext.corn.bars
A605	3/4"	7-6	36	13	6-9	" " " " "
A606	3/4"	5-6	36	13	4-9	int. " "
A607	3/4"	6-0	36	13	5-3	" " " " "
A500	5/8"	9-3	96	6	3-0 6-3	S.foot-top transv.
A501	5/8"	9-6	20	6	3-0 6-6	S.foot-top transv.
A502	5/8"	10-6	120	6	6-6 4-0	N & S vert. S.W
A503	5/8"	7-6	93	6	5-0 2-6	N.foot-top
A504	5/8"	7-9	15	6	5-3 2-6	" " " " "
A505	5/8"	8-0	5	6	5-6 2-6	" " " " "
A506	5/8"	9-9	29	23	7-6 2-3	ext. corn.bars
A507	5/8"	9-9	29	6	7-6 2-3	ext.corn.bars
A508	5/8"	6-9	29	23	4-6 2-3	int.corn.bars
A509	5/8"	7-3	29	6	5-0 2-3	" " " " "
A510	5/8"	32-6	22	13	31-9	S walls-hor.
A511	5/8"	20-9	40	13	20-0	N " " "
A400	1/2"	7-3	28	8	0-6 2-0 0-10 2-1 1-4	ties-stringer pads
A401	1/2"	9-0	60	8	0-6 1-0 2-10 1-0 3-2	ties-pylons
	1 1/4"	20-9	32			wall C-10-V-vert
	1 1/4"	20-3	12			pylon brackets
	1 1/4"	13-3	30			wall C-10-V-vert
	1"	27-3	34			SE wall vert
	1"	27-0	34			SW " "
	1"	25-9	39			SE " "
	1"	25-6	39			SW " "
	1"	24-3	40			SE " "
	1"	24-0	40			SW " "
	1"	20-6	114			NE " "
	1"	20-3	114			NW " "
	1"	14-0	50			foot-ret.wall-top
	1"	9-9	48			" " " " "

ABUTMENTS & ABUTMENT FOOTINGS

STRUCTURE NO.8 - BAR LIST - SHEET NO.2

MARK	SIZE	LTH.	NO. R/O'D.	TYPE	DETAIL DIMENSIONS	LOCATION
	1/2"	10'-0"	48			dowels-corn.walls
	1/2"	8'-0"	108			" -vert.bm.sts.
	3/4"	40'-0"	12			N.walls-horiz.
		32'-0"	12			" " " "
		31-9	38			S.wall & b.wall horiz
		27-0	38			S.wall-horiz
		26-9	17			SW wall-vert.
		26-6	17			" " " "
		25-3	19			SE " "
		25-0	19			SW " "
		23-9	20			SE " "
		23-6	20			SW " "
		20-3	12			pylon-vert.
		20-0	130			NE & NW vert. & S-ft.lg
		19-9	4			S.foot bot. long
		19-6	8			" t.b.
		18-9	8			" " " "
		13-0	24			" " " "
		18-0	8			" " " "
		17-6	8			" " " "
		17-0	8			" " " "
		10-0	72			corn.walls-dowels
	3/4"	9-3	32			C-30-V wall vert.
	3/4"	8-6	120			N & S B wall-vert.
	3/4"	6-3	12			pylon-dowels
	5/8"	40'-0"	40			N.wall-hor.
		31-9	22			S. " "
		30-0	16			corn.walls-vert.
		27-0	8			" " " "
		26-6	48			S.walls-horiz.
		24-0	24			corn.walls-vert.
		17-0	4			S.wall-horiz.
		13-6	34			foot-ret.wall-bott
		11-6	4			S.wall-horiz.
	5/8"	3-0	112			string seats dowels
	1/2"	40'-0"	28			N.foot-long T & B
		23-6	74			C-30-V W.hor. & ft.lgs
		18-0	28			N.foot-long-T & B
		6-0	32			pylons
		4-6	24			pylons
	1/2"	3-6	16			safety wall bracket

ABUTMENTS & ABUTMENT FOOTINGS

In charge of *Pat. Brown*
 Made by *Pat. Brown*
 Traced by *Pat. Brown*
 Checked by *Pat. Brown*

PREPARED AND RECOMMENDED:
Francis L. Brown P.E. 13144
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

BAR LIST
STRUCTURE NO.7 AND NO.8

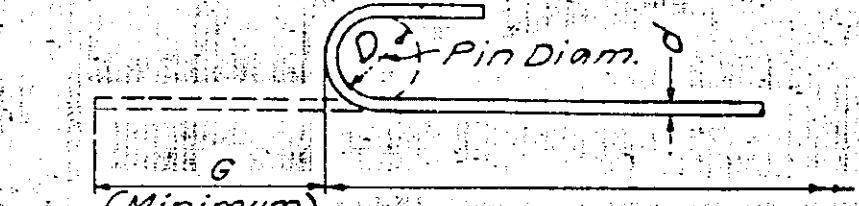
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13B-546	None	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	62	90

NEW YORK STATE THRUWAY - MOHAWK SECTION

1530 DIV. 10-A

Ø	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	1 3/4"	2"
D	3"	4"	5"	6"	8"	10"	12"	14"	16"
G	5"	6"	8"	9"	11"	12"	13"	15"	16"



STANDARD HOOK

62K

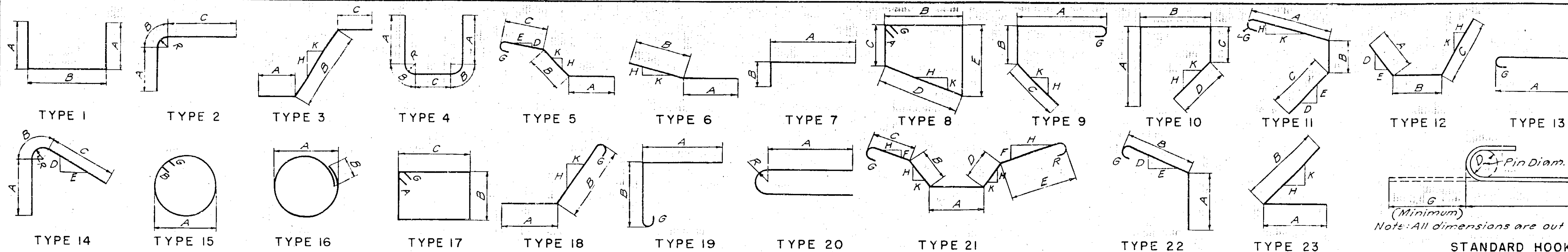
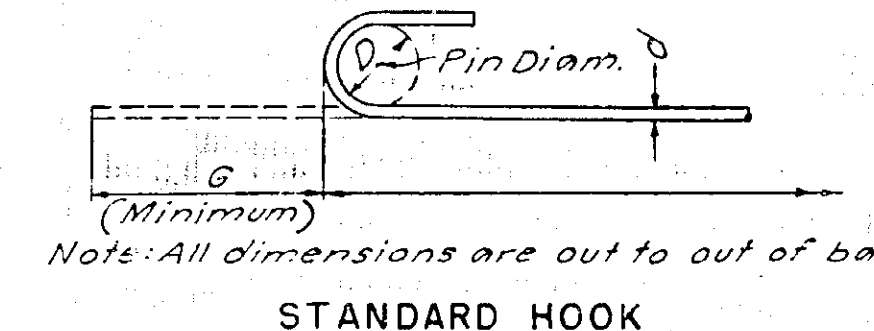
STRUCTURE NO. 7 - BAR LIST																	
MARK	SIZE	LTH.	NO. R.Q.D.	TYPE	DETAIL DIMENSIONS												LOCATION
					A	B	C	D	E	F	G	H	K	R			
AD800	1/2"	24'-0"	8	12	3-9	17'-3"	3'-0"	12"	11"					12"	2 1/2"	cut off wall	
A500	5/8"	12'-3"	1084	7	4-9	7'-6"										outside face	
A504		6-6	1053	7	3-3	3-3										" corners	
A509		8-0	4	13	7-4							0-8				top slab @ M.H.	
A511	5/8"	3-9	28	3	1-1	2-1	0-7						12	4		head wall	
A400	1/2"	4-0	34	13	3-6							0-6				wing wall-ftg.dowel	
																bott.slab & top slab	
	1/2"	12'-3"	1069													top slab @ M.H.	
	3/4"	13-0	4	4												head wall	
	5/8"	20-0	96													sect.1,2, -long	
	5/8"	17-6	48													sect.1,2, -long	
		15-6	48													" " " " " "	
		33-0	284													" " " " " "	
		27-8	4													top slab @ M.H.sect	
		7-6	6													" " " " " "	
		7-0	4													side wall @ M.H. " "	
		6-3	544													side wall vert.	
		1-6	4													top slab @ M.H.sect	
	5/8"	3-6	544													bottom slab-dowels	
	1/2"	40-0	4													wing wall-vert.	
		18-6	2													apron	
		17-6	2														
		17-3	2														
		16-3	2														
		15-0	2														
		13-6	2														
		12-3	2														
		10-9	2													apron	
		9-0	8													N.E.& S.W. wing wall	
		7-9	22													apron	
		7-0	8													N.W.& S.E. wing wall	
		6-9	2													apron	
		5-9	2														
		5-0	2														
		4-0	2														
		3-3	2													apron	
		3-0	17													" & M.H.dow.sect	
	1/2"	2-0	2													apron	
M401	1/2"	11-6	52	1	3-5	4-8										manhole-hor.	
	1/2"	26-0	26													manhole-vert.	
	1/2"	5-3	12													" top slab	
	1/2"	5-0	52													" hor.	
	1/2"	4-6	52													" "	

STRUCTURE NO.8 - BAR LIST - SHEET NO.1																	
MARK	SIZE	LTH.	NO. R.Q.D.	TYPE	DETAIL DIMENSIONS												LOCATION
					A	B	C	D	E	F	G	H	K	R			
A1000	1 1/4	14-0	72	14	5-9	1-9	6-6	1	12					15		dowels-ret.wall &	
A1001	1 1/4	9-6	30	14	1-3	1-9	6-6	1	12					15		" " " "	
A900	1 1/8	11-0	96	6	9-0	2-0							4	12		S.foot-bot-trans	
A901	1 1/8	11-3	20	6	9-3	2-0							4	12		S.foot-bot-transv.	
A800	1	8-3	7	5-9	2-6											S.foot dowels	
A8000	1/2	10-6	6	6-6	4-0											dowels-back wall S	
A8001	1/2	9-0	222	7	6-0	3-0										" " " " N	
A8002	1/2	8-3	38	13	7-9							0-6				ext.corn.bars	
A8003	1/2	7-3	38	13	6-9							0-6				" " " "	
A8004	1/2	5-9	38	13	5-3							0-6				int. corn.bars	
A8005	1/2	5-3	38	13	4-9							0-6				" " " "	
A700	7/8	9-0	97	6	7-0	2-0							4	12		N footing-bottom	
A701	7/8	9-3	11	6	7-3	2-0							4	12		" " " "	
A702	7/8	9-6	2	6	7-6	2-0							4	12		" " " "	
A703	7/8	10-0	1	6	8-0	2-0							4	12		" " " "	
A704	7/8	10-3	1	6	8-3	2-0							4	12		" " " "	
A705	7/8	10-6	1	6	8-6	2-0							4	12		" " " "	
A706	7/8	4-9	44	13	4-0							9				ext.corn.	
A707	7/8	9-3	16	20	4-2										0-3	pylons-cable ftg.anch	
A600	3/4	7-3	227	7	4-9	2-6										dowels N & S abut.f	
A601	3/4	14-0	8	9	5-0	3-3	5-0					9				pylon brackets	
A602	3/4	13-6	4	11	5-0	2-9	5-0					9	3	12		" " " "	
A603	3/4	8-9	16	10	3-0	2-0	0-9	3-0					8	12		bracket-safety walk	
A604	3/4	8-6	36	13	7-9							9				ext.corn.bars	
A605	3/4	7-6	36	13	6-9							9				" " " "	
A606	3/4	5-6	36	13	4-9							9				int. " " " "	
A607	3/4	6-0	36	13	5-3							9				" " " "	
A500	5/8	9-3	196	6	3-0	6-3						2	12			S.foot-top transv.	
A501	5/8	9-6	20	6	3-0	6-6						2	12			S.foot-top transv.	
A502	5/8	10-6	120	6	6-6	4-0							12	12		N & S vert. S.W.	
A503	5/8	7-6	93	6	5-0	2-6							2	12		N.foot-top	
A504	5/8	7-9	15	6	5-3	2-6							2	12		" " " "	
A505	5/8	8-0	5	6	5-6	2-6							2	12		" " " "	
A506	5/8	9-9	29	23	7-6	2-3							3	12		ext. corn.bars	
A507	5/8	9-9	29	6	7-6	2-3							12	3		ext.corn.bars	
A508	5/8	6-9	29	23	4-6	2-3							3	12		int.corn.bars	
A509	5/8	7-3	29	6	5-0	2-3							12	3		" " " "	
A510	5/8	32-6	22	13	31-9								9			S walls-hor.	
A511	5/8	20-9	40	13	20-0								9			N " " " "	
A400	1/2	7-3	28	8	0-6	2-0	0-10	2-1	1-4				0-6	12	3	ties-stringer pads	
A401	1/2	9-0	60	8	0-6	1-0	2-10	1-0	3-2				0-6	12	4	ties-pylons	
	1 1/4	20-9	32													wall C-30-V-vert	
	1 1/4	20-3	12													pylon brackets	
	1 1/4	13-3	30													wall C-30-V-vert	
	1	27-3	34													SE wall vert	
	1	27-0	34													SW " " "	
	1	25-9	39													SE " " "	
	1	25-6	39													SW " " "	
	1	24-3	40													SE " " "	
	1	24-0	40													SW " " "	
	1	20-6	114													NE " " "	
	1	20-3	114													NW " " "	
	1	14-0	50													foot-ret.wall-top	
	1	9-9	48													" " " "	

STRUCTURE NO.8 - BAR LIST - SHEET NO.2																	
MARK	SIZE	L'TH.	NO. R.O.D.	TYPE	DETAIL DIMENSIONS												LOCATION
					A	B	C	D	E	F	G	H	K	R			
	1/2	10'-0	48													dowels-corn.walls	
	1/2	9-6	48													-vert.bm.sts.	
	3/4	40-0	12													N.walls-horiz.	
		32-0	12													" " " "	
		31-9														S.wall & b.wall horiz	
		27-0														S.wall-horiz	
		26-9	17													SW wall-vert.	
		26-6	17													" " " "	
		25-3	19													SE " " "	
		25-0	19													SW " " "	
		23-9	20													SE " " "	
		23-6	20													SW " " "	
		20-3	12													pylon-vert.	
		20-0	130													NS & NW vert. & S-ft.lg	
		19-9	8													S.foot bot. long	
		19-6	8													" " " " t.b.	
		18-9	8													" " " "	
		13-0	24													" " " "	
		18-0	8													" " " "	
		17-6	8													" " " "	
		17-0	8													" " " "	
		10-0	72													corn.walls-dowels	
	3/4	9-3	32													C-30-V wall vert.	
	3/4	8-6	120													N & S B wall-vert.	
	3/4	6-3	12													pylon-dowels	
	5/8	40-0	40													N.wall-horiz.	
		31-9	22													S. " " "	
		30-0	16													corn.walls-vert.	
		27-0	8													" " " "	
		26-6	48													S.walls-horiz.	
		24-0	24													corn.walls-vert.	
		17-0	4													S.wall-horiz.	
		13-6	34													foot-ret.wall-bott	
		11-6	4													S.wall-horiz.	
	5/8	3-0	112													string seats dowels	
	1/2	40-0	26													N.foot-long T & B	
		23-6	74													C-30-V W.hor.& ft.lgs	
		18-0	28													N.foot-long-T & B	
		6-0	32													pylons	
		4-6	24													pylons	
	1/2	3-6	16													safety wall bracket	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	63	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						

d	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 1/2"	1 3/4"	2"
D	3"	3"	5"	5"	5"	9"	9"	9"	9"	10"	
G	5"	6"	8"	9"	11"	1-2"	1-2"	1-3"	1-5"		



STRUCTURE NO.8 - BAR LIST - SHEET NO.3															
MARK	SIZE	L'TH.	NO. R'O'D.	TYPE	DETAIL DIMENSIONS										LOCATION
					A	B	C	D	E	F	G	H	K	R	
S601	3/4	31-3	114	5	27-8	0-9	2-2	1	12			0-8	12	7	bottom trans
S602	↑	30-3	12	5	27-8	0-9	1-2	1	12			0-8	12	7	" " "
S604	↑	29-3	14	6	28-6	0-9							3	12	" " "
S605	3/4	30-3	116	6	28-6	1-9							3	12	" " "
S401	1/2	3-9	142	7	3-0	0-9									safety walk
S402	↑	2-9	12	7	2-0	0-9									" " "
S403	↑	4-0	160	13	3-6							0-6			top, long @ ends
S404	1/2	4-6	112	8	0-6	0-8	1-0	0-8	1-2			0-6	12	3	stirrups
	3/4	35-0	128												top trans
	3/4	26-0	128												" "
	1/2	38-6	244												top & bot, long.
	↑	36-9	12												" " "
	1/2	32-0	12												" " "

STRUCTURE NO.8 - BAR LIST - SHEET NO.4															
MARK	SIZE	L'TH	NO. R'Q'D	TYPE	DETAIL DIMENSIONS										LOCATION
					A	B	C	D	E	F	G	H	K	R	
WF1000	1 1/4 [□]	14-0 [□]	31	14	5-0 [□]	2-7 [□]	6-5 [□]	1/2 [□]	12 [□]					1-7 [□]	SE,SW C-34 dowels
WF1001	↑	11-9	22	↑	0-6	8-8								↑	SE,SW C-34,32 dowels
WF1002	↑	13-6	17		4-6	6-5								↑	S2 "
WF1003	1 1/4 [□]	15-9	3		6-9	2-7	6-5							1-7	SW C-34 "
WF900	1 1/8 [□]	12-3	21		4-0	2-4	5-11							1-5	SW C-30 "
WF901	↑	11-0	10		0-6	8-2								↑	SW "
WF902		11-6	35		3-7	5-7									SE,NE,NW C-28 "
WF903		10-9	16		0-7	7-10									SE,NE,NW " "
WF904		10-6	27		2-10	5-4									NE,NW C-26 "
WF905		11-0	12		0-7	7-1									NE,NW C-26 "
WF906	↓	13-3	2	↓	5-4	5-7	↓	↓						↓	NE C-28 "
WF907	1 1/8 [□]	12-3	2	14	4-4	2-4	5-7	1/2	12					1-5	NW " "
	1 1/4 [□]	13-9	21												SE,SW C-34 trans. T
	1 1/4 [□]	12-6	11												SE C-32 " "
	1 [□]	13-9	27												SE,NE,NW C-28 trans.
	↑	12-9	21												NE,NW C-26 "
	↓	9-6	24												SE,NE,NW C-28 "
	1 [□]	8-9	20												NE,NW C-26 "
	1 [□]	17-0	24												SE,SW C-34 "
	↓	15-9	11												S2 C-32 "
	↓	14-6	16												SW C-30 "
	1 [□]	10-3	16												SW " "
	3/4 [□]	9-3	2												SE C-34 trans.T&B
	↑	8-3	2												SE " " "
		7-6	4												SE,NW C-28 " "
		7-0	2												NW " " "
		6-9	2												SE C-34 " "
		6-3	4												SE,SW " dowels
		5-9	4												NE,NW C-28 " "
		5-3	2												NW " trans.T&B
	↓	4-9	2												SE C-34 " "
	3/4 [□]	3-6	2												NW C-28 " "
	5/8 [□]	16-0	16												SE,SW C-34 " B
	↑	15-0	8												SE C-32 " "
	↑	14-6	11												SW C-30 " "
	↑	13-6	20												SE,NE,NW C-28 " "
	5/8 [□]	12-6	16												NE,NW C-26 " "

WINGWALL FOOTINGS

STRUCTURE NO.8-BAR LIST - SHEET NO.5																
MARK	SIZE	L'TH.	NO. R'Q'D.	TYPE	DETAIL DIMENSIONS										LOCATION	
					A	B	C	D	E	F	G	H	K	R		
WINGWALL FOOTINGS	1/2"	15-0	43												SW,NW C-26 & 30longT	
		13-0	21												SE C-28 "	
		12-0	19												NE C-26 "	
		11-9	27												SE,SW C-32,34 "	
		11-6	6												SE,SW,NW C-28,34 "	
		11-3	4												SW,NW " "	
		10-9	2												SW C-34 "	
		10-6	2												SW " "	
		10-3	5													SE,SW,NW C-28,34 "
		9-9	6													SE,SW,NW " "
		9-6	2													SW C-34 "
		9-3	2													SW " "
		9-0	1													SE " " B
		8-9	2													SW " " T
		8-6	3													SW,NE C-28,34 "
		8-3	4													SW,NE " "
		8-0	6													SE,NE,NW " "
		7-9	2													SW C-34 "
		7-6	4													SW,NE C-28,34 "
		7-3	2													NE C-28 "
		7-0	2													NE " "
		6-6	2													NE " "
		6-3	6													SE,NE,NW C-28,34 "
		6-0	26													SE,NE,NW " "
		5-6	2													NE C-28 "
		5-3	2													NE " "
	1/2"	5-0	1												SE C-34 "	

In charge of *Max R. Rausch*
 Made by *John A. Brown*
 Traced by *John A. Brown*
 Checked by *John A. Brown*

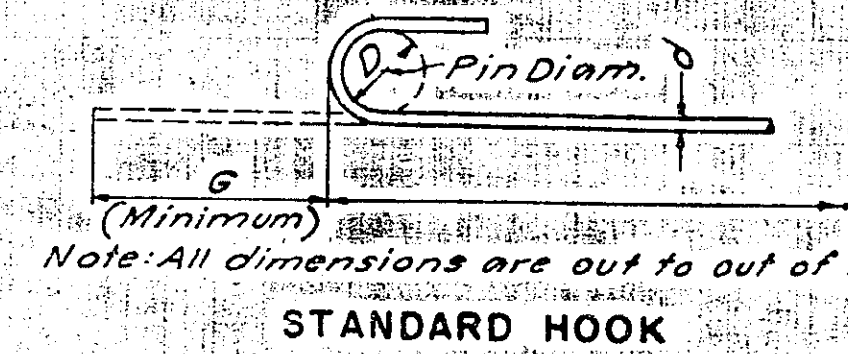
PREPARED AND RECOMMENDED
 FRANCIS L. BROWN - NYSPE, LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

BAR LIST STRUCTURE NO.8 CONTINUED			
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13B-54H	None	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	63	190

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A

Ø	3/8"	1/2"	5/8"	3/4"	1"	1 1/8"	1 1/4"	1 3/4"	2"
D	3"	3"	5"	5"	5"	9"	9"	9"	10"
G	5"	6"	8"	9"	11"	1-2"	1-2"	1-3"	1-5"



STANDARD HOOK

63R

STRUCTURE NO.8 - BAR LIST - SHEET NO.3

MARK	SIZE	LTH.	NO. R.O.D.	TYPE	A	B	C	D	E	F	G	H	K	R	LOCATION
S601	3/4"	31-3	114	5	27-8	0-9	2-2	1'	12		0-8	12	7'		bottom trans
S602	1"	30-3	12	5	27-8	0-9	1-2	1	12		0-8	12	7'		" " " " " "
S604	1"	29-3	14	6	28-6	0-9						3	12		" " " " " "
S605	3/4"	30-3	116	6	28-6	1-9						3	12		" " " " " "
S401	1/2"	3-9	142	7	3-0	0-9									safety walk
S402	1"	2-9	12	7	2-0	0-9									" " " " " "
S403	1"	4-0	160	13	3-6						0-6	12	3		top, long @ ends
S404	1/2"	4-6	112	8	0-6	0-8	1-0	0-8	1-2		0-6	12	3		stirrups
S405	3/4"	35-0	128												top trans
S406	1/2"	26-0	128												" " " " " "
S407	1/2"	38-6	244												top & bot, long.
S408	1/2"	36-9	12												" " " " " "
S409	1/2"	32-0	12												" " " " " "

STRUCTURE NO.8 - BAR LIST - SHEET NO.4

MARK	SIZE	LTH.	NO. R.O.D.	TYPE	A	B	C	D	E	F	G	H	K	R	LOCATION
WF1000	1 1/4"	14-0	31	14	5-0	2-7	6-5	1/2"	12"					1-7	SE, SW C-34 dowels
WF1001	1"	11-9	22		0-6		8-8								SE, SW C-34, 32 dowels
WF1002	1"	13-6	17		4-6		6-5								SE, SW C-34, 32 dowels
WF1003	1 1/4"	15-9	3		6-9	2-7	6-5							1-7	SW C-34
WF900	1 1/8"	12-3	21		4-0	2-4	5-11							1-5	SW C-30
WF901	1"	11-0	10		0-6		8-2								SW C-30
WF902	1"	11-6	35		3-7		5-7								SE, NE, NW C-28
WF903	1"	10-9	16		0-7		7-10								SE, NE, NW C-28
WF904	1"	10-6	27		2-10		5-4								NE, NW C-26
WF905	1"	11-0	12		0-7		7-1								NE, NW C-26
WF906	1"	13-3	2		5-4		5-7								NE, NW C-28
WF907	1 1/8"	12-3	2	14	4-4	2-4	5-7	1/2"	12					1-5	SW C-30
WF908	1 1/4"	13-9	21												SE, SW C-34 trans. T.
WF909	1 1/4"	12-6	11												SE, SW C-32
WF910	1"	13-9	27												SE, NE, NW C-28 trans. T.
WF911	1"	12-9	21												NE, NW C-26
WF912	1"	9-6	24												SE, NE, NW C-28
WF913	1"	8-9	20												NE, NW C-26
WF914	1"	17-0	24												SE, SW C-34
WF915	1"	15-9	11												SE, SW C-32
WF916	1"	14-6	16												SW C-30
WF917	1"	10-3	16												SW C-30
WF918	3/4"	9-3	2												SE C-34 trans. T&B
WF919	1"	8-3	2												SE C-34
WF920	1"	7-6	4												SE, NW C-28
WF921	1"	7-0	2												NE, NW C-28
WF922	1"	6-9	2												SE, NW C-34
WF923	1"	6-3	4												SE, SW C-34
WF924	1"	5-9	4												NE, NW C-28
WF925	1"	5-3	2												NW C-28 trans. T&B
WF926	1"	4-9	2												SE C-34
WF927	3/4"	3-6	2												NW C-28
WF928	5/8"	16-0	16												SE, SW C-34
WF929	1"	15-0	8												SE C-32
WF930	1"	14-6	11												SW C-30
WF931	1"	13-6	20												SE, NE, NW C-28
WF932	5/8"	12-6	16												SE, NW C-26

STRUCTURE NO.8 - BAR LIST - SHEET NO.5

MARK	SIZE	LTH.	NO. R.O.D.	TYPE	A	B	C	D	E	F	G	H	K	R	LOCATION
WF933	1/2"	15-0	43												SW, NW C-26 & 30 long. T&B
WF934	1"	13-0	21												SE C-28
WF935	1"	12-0	19												NE C-26
WF936	1"	11-9	27												SE, SW C-32, 34
WF937	1"	11-6	6												SE, SW, NW C-28, 34
WF938	1"	11-3	4												SW, NW C-34
WF939	1"	10-9	2												SW C-34
WF940	1"	10-6	2												SW C-34
WF941	1"	10-3	5												SE, SW, NW C-28, 34
WF942	1"	9-9	6												SE, SW, NW C-28, 34
WF943	1"	9-6	2												SE, SW, NW C-28, 34
WF944	1"	9-3	2												SW C-34
WF945	1"	9-0	1												SE C-34
WF946	1"	8-9	2												SW, NE C-28, 34
WF947	1"	8-6	3												SW, NE C-28, 34
WF948	1"	8-3	4												SW, NE C-28, 34
WF949	1"	8-0	6												SW, NE, NW C-28
WF950	1"	7-9	2												SW C-34
WF951	1"	7-6	2												SW, NE C-28, 34
WF952	1"	7-3	2												NE C-28
WF953	1"	7-0	2												NE C-28
WF954	1"	6-6	2												NE C-28
WF955	1"	6-3	6												SE, NE, NW C-28, 34
WF956	1"	6-0	26												SE, NE, NW C-28, 34
WF957	1"	5-6	2												NE C-28
WF958	1"	5-3	2												NE C-28
WF959	1/2"	5-0	1												SE C-34

BAR LIST
STRUCTURE NO.8 CONTINUED

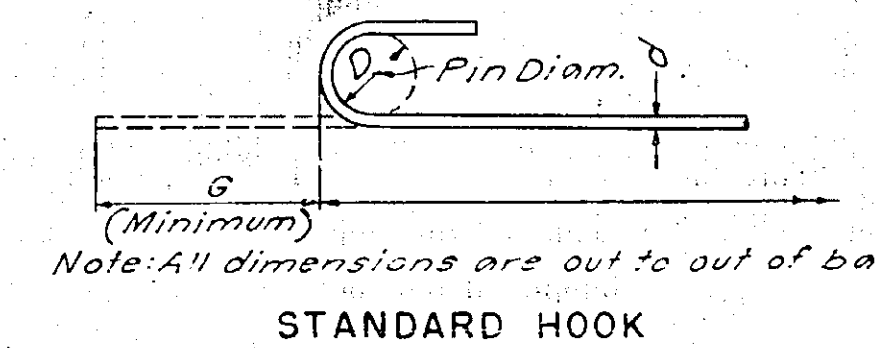
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13B-54H	None	4-1-52		

PREPARED AND RECOMMENDED
FRANCIS L. BROWN HAROLD A. BLAUVELT CONSULTING ENGINEERS
DATE 6-30-52

Francis L. Brown P.E. 13144

In charge of *Francis L. Brown*
Made by *Francis L. Brown*
Traced by *Francis L. Brown*
Checked by *Francis L. Brown*

ϕ	$\frac{1}{8}\phi$	$\frac{1}{2}\phi$	$\frac{5}{8}\phi$	$\frac{3}{4}\phi$	$\frac{7}{8}\phi$	1ϕ	1ϕ	$1\frac{1}{8}\phi$	$1\frac{1}{4}\phi$
D	3"	3"	5"	5"	5"	9"	9"	9"	10"
G	5"	6"	8"	9"	11"	1'-2"	1'-2"	1'-3"	1'-5"



STRUCTURE NO.9 - BAR LIST															
MARK	SIZE	L.T.H.	NO. REQ'D.	TYPE	DETAIL DIMENSIONS										LOCATION
					A	B	C	D	E	F	G	H	K	R	
A0800	1/2	26-9	8	12	5-6	17-9	3-6	12	12				12	2 1/4	cut-off wall
A500	5/8	11-6	1013	7	5-9	5-9									barrel corners
A501	5/8	6-6	1012	7	3-3	3-3									" " "
A502	5/8	6-9	4	13	6-0							9			" T.sl. @ M.H.
A503	5/8	3-9	22	3	1-1	2-1	0-7						12	4	" head wall
	7/8	10-9	508												barrel ftg.trans.
	7/8	10-0	502												" T.sl "
	7/8	5-9	8												" " @ M.H.
	3/4	10-3	4												" H.wall
	5/8	20-0	104												" long.sectsl,2
		14-3	56												" " " 1,2
		13-0	48												" " " 1,2
		31-9	308												" " " 24,5,6,7,8
		18-9	4												" " " 3
		9-0	4												" " " 3
		9-0	4												" " " 3
		7-6	4												" W.vert " 3
		6-9	508												" " " typ.
	5/8	3-0	361												" W.& M.H.dowels
	1/2	17-3	4												apron
		17-0	2												
		16-0	2												
		14-9	2												
		13-6	2												
		12-3	2												
		11-0	2												
		10-0	16												
		9-9	2												
		8-9	2												
		8-6	4												
		7-9	4												
		6-9	2												
		5-9	2												
		4-9	2												
		4-6	2												
		3-9	2												
	1/2	2-9	2												apron
A4401	1/2	11-6	48	1	3-5	4-8									M.H.horiz
	1/2	24-9	28												" verts.
	1/2	5-0	54												" horiz.& T.sl.
	1/2	4-6	54												" " " "

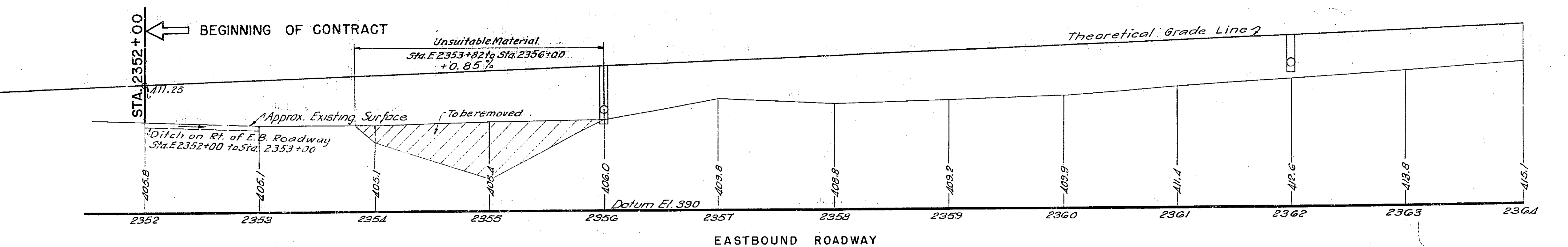
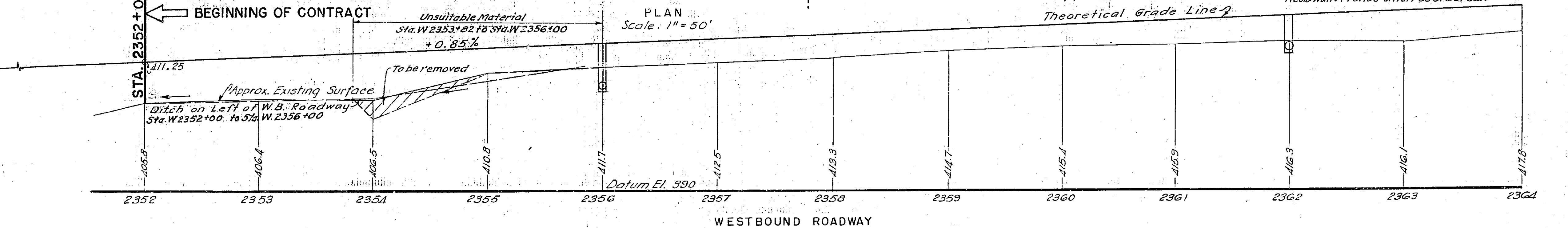
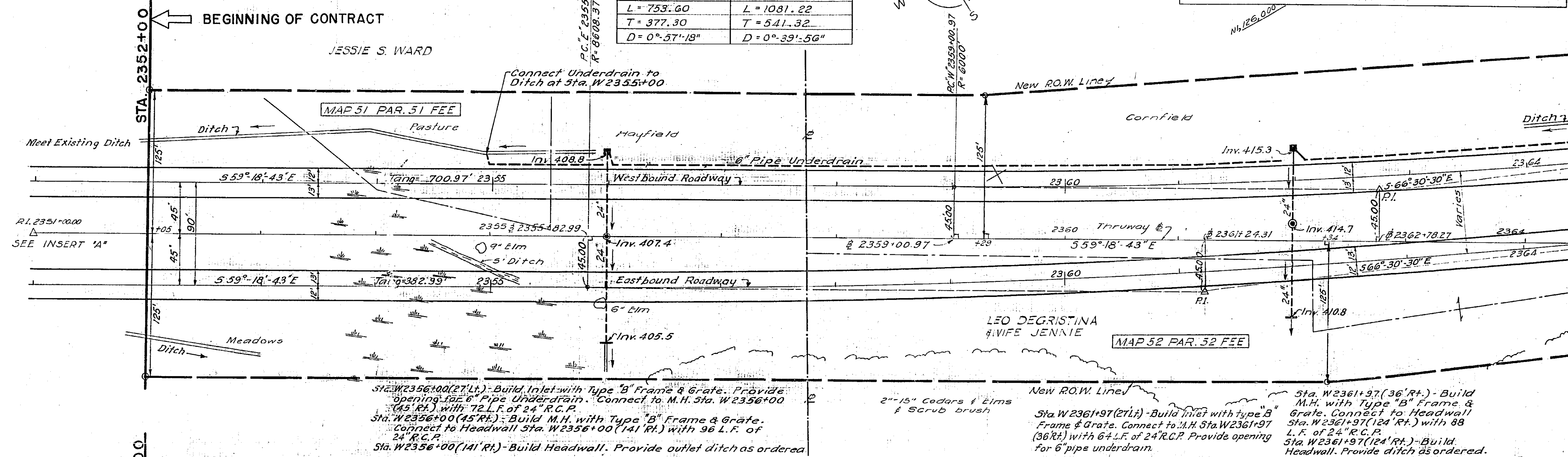
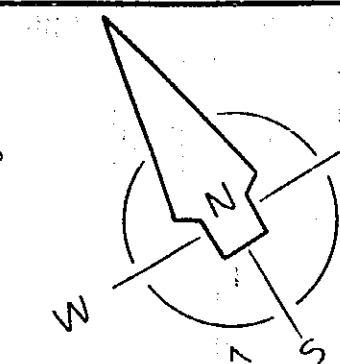
TOTAL

PREPARED AND RECOMMENDED:
Francis L. Brown P.E. 13144 *Harold A. Blauvelt* N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN HAROLD A. BLAUVELT CONSULTING ENGINEERS

BAR LIST				
STRUCTURE NO.8 CONTINUED AND NO.9				
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - CONSULTING	HAROLD A. BLAUVELT ENGINEERS
13B-55	None	4-1-52		

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
			HERKIMER		65	90
NEW YORK STATE THRUWAY—MOHAWK SECTION						
SUBDIV. 10-A						

CURVE DATA	
Westbound	Eastbound
R = 6000	R = 8608.37
$\Delta = 7^{\circ}11'47''$	$\Delta = 7^{\circ}11'47''$
L = 753.60	L = 1081.22
T = 377.30	T = 541.32
D = 0°57'18"	D = 0°39'56"



Horizontal & Vertical Sight Distance 1000'

In charge of *R. H. H. H.*
 Made by *R. H. H. H.*
 Traced by *R. H. H. H.*
 Checked by *R. H. H. H.*

NOTE:
 Elevations refer to the datum
 which is 0.68 higher than
 NEW YORK STATE D.P.W. datum.

THRUWAY PROFILES

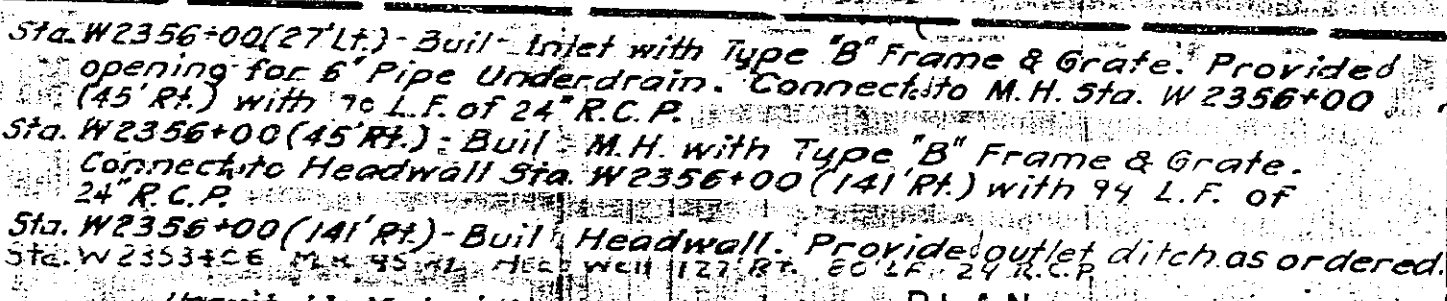
Hor. 1" = 50'
 Vert. 1" = 10'

Francis L. Brown, P.E. 13/44

PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE
 THRUWAY STA. 2352 TO 2364

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13-B-56	As Noted	4-1-52		



THRUWAY PROFILES

Hor. 1" = 50'
Vert. 1" = 10'

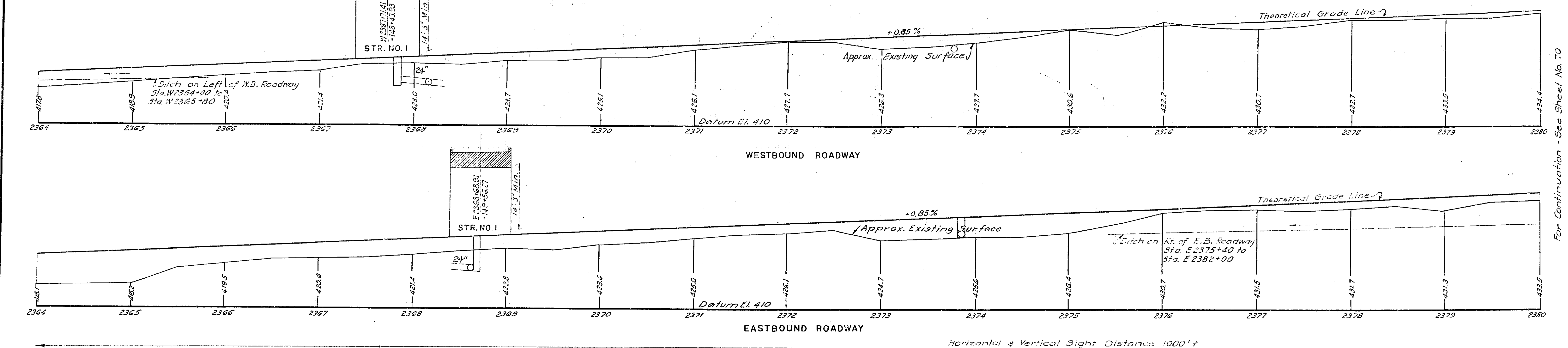
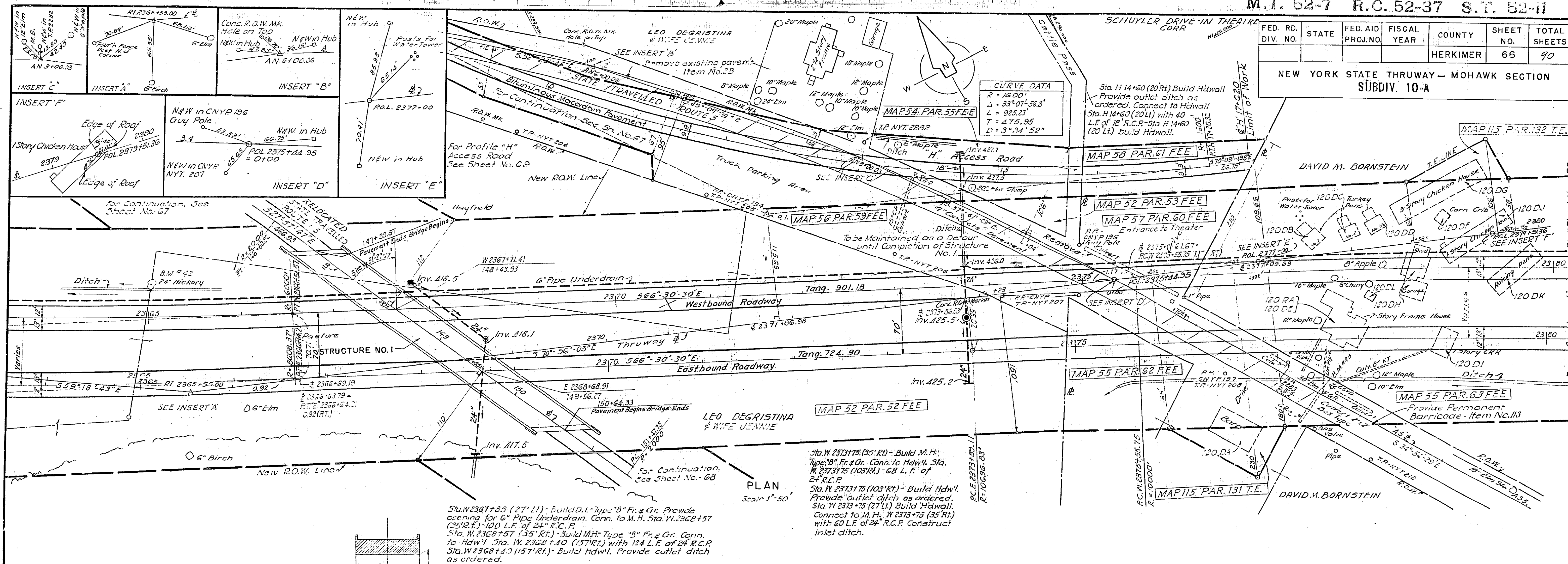
PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.E.S.P.E. I.C. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN · HAROLD A. BLAUVELT CONSULTING ENGINEERS

DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD & BROWN - BLAUVELT CONSULTING ENGINEERS.
13-B-56	As Noted	4-1-52	

NOTE:
Elevations refer to the datum
which is 0.68 higher than
NEW YORK STATE D.P.W. datum.

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	66	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



M.F. 52-71 R.C. 52-37 S.T. 52-11

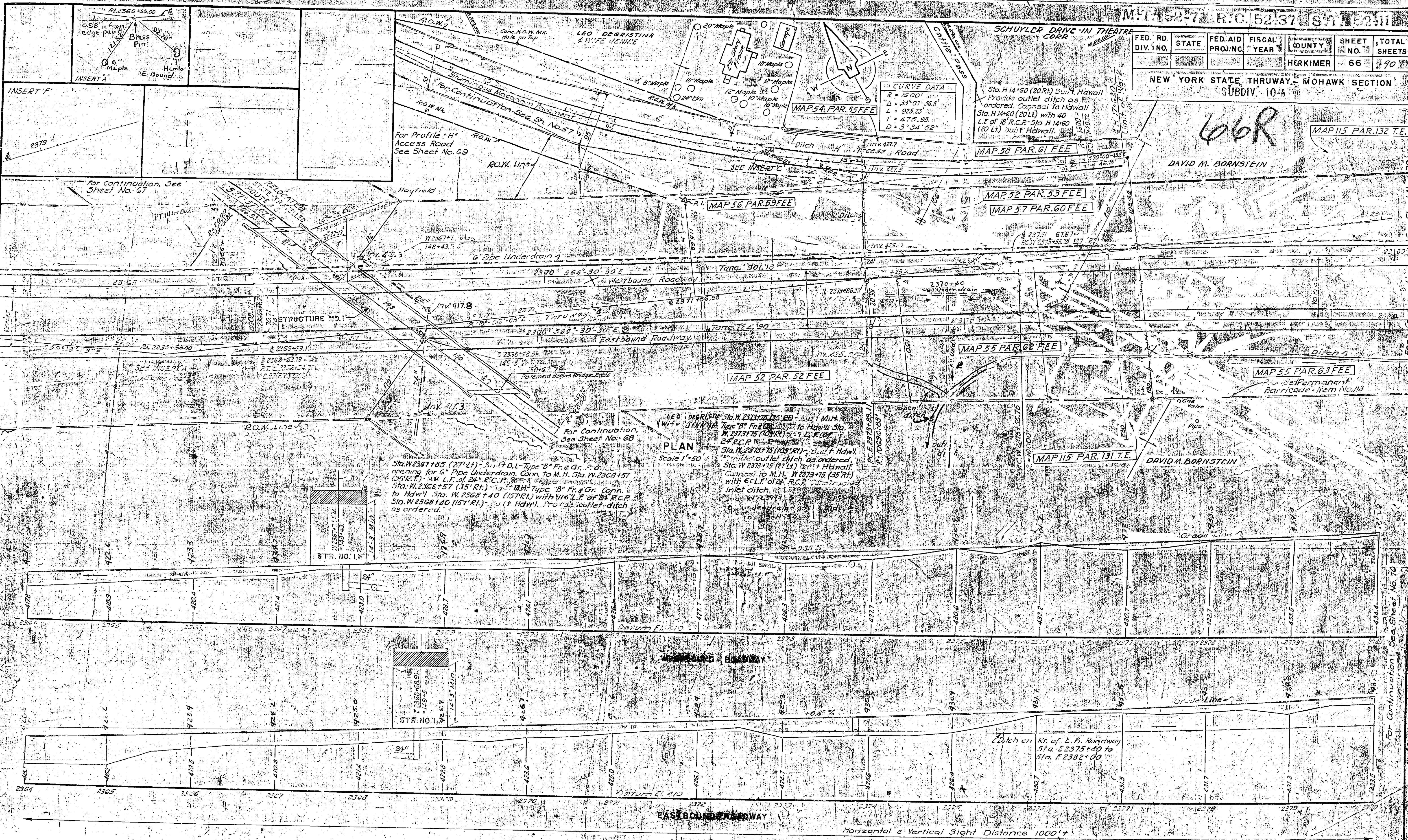
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	66	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A

66R

MAP 115 PAR. 132 T.E.

DAVID M. BORNSTEIN



In charge of *P. Hammond*
Made by *J. G. Brown*
Traced by *J. A. C. & E. A.*
Checked by *E. K.*

THRUWAY PROFILES

Hor. 1"=50'
Vert. 1"=10'

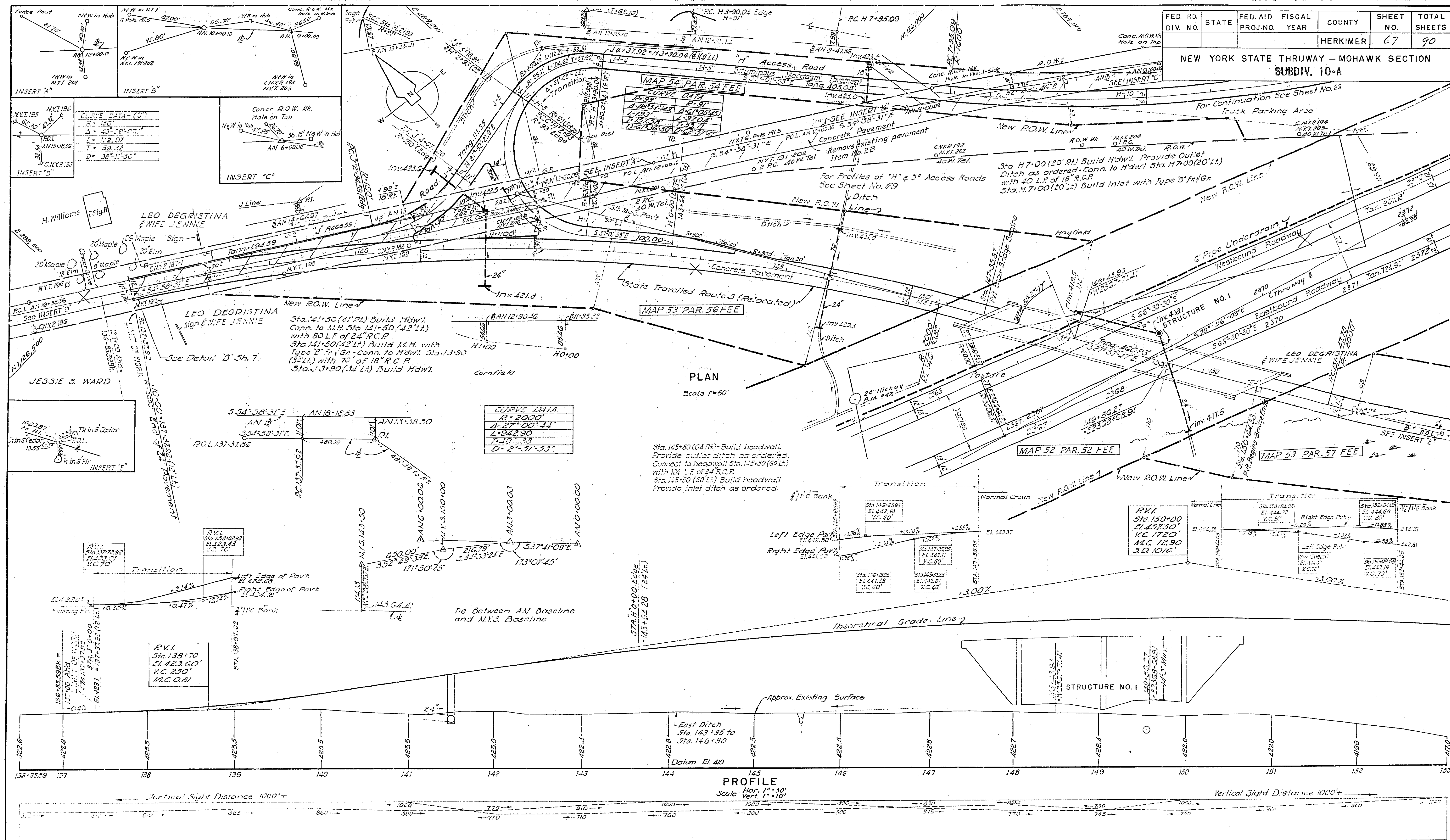
Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED BY
Francis L. Brown N.Y.S.E. LIC. NO. 19092 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE THRUWAY STA. 2364 TO 2380					
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT	CONSULTING ENGINEERS
13-B-57	As No. 60	4-1-52			

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	67	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



In charge of *R. Hammond*
Made by *G. S. Brown*
Traced by *E. K. G. W.*
Checked by *E. K. G. W.*

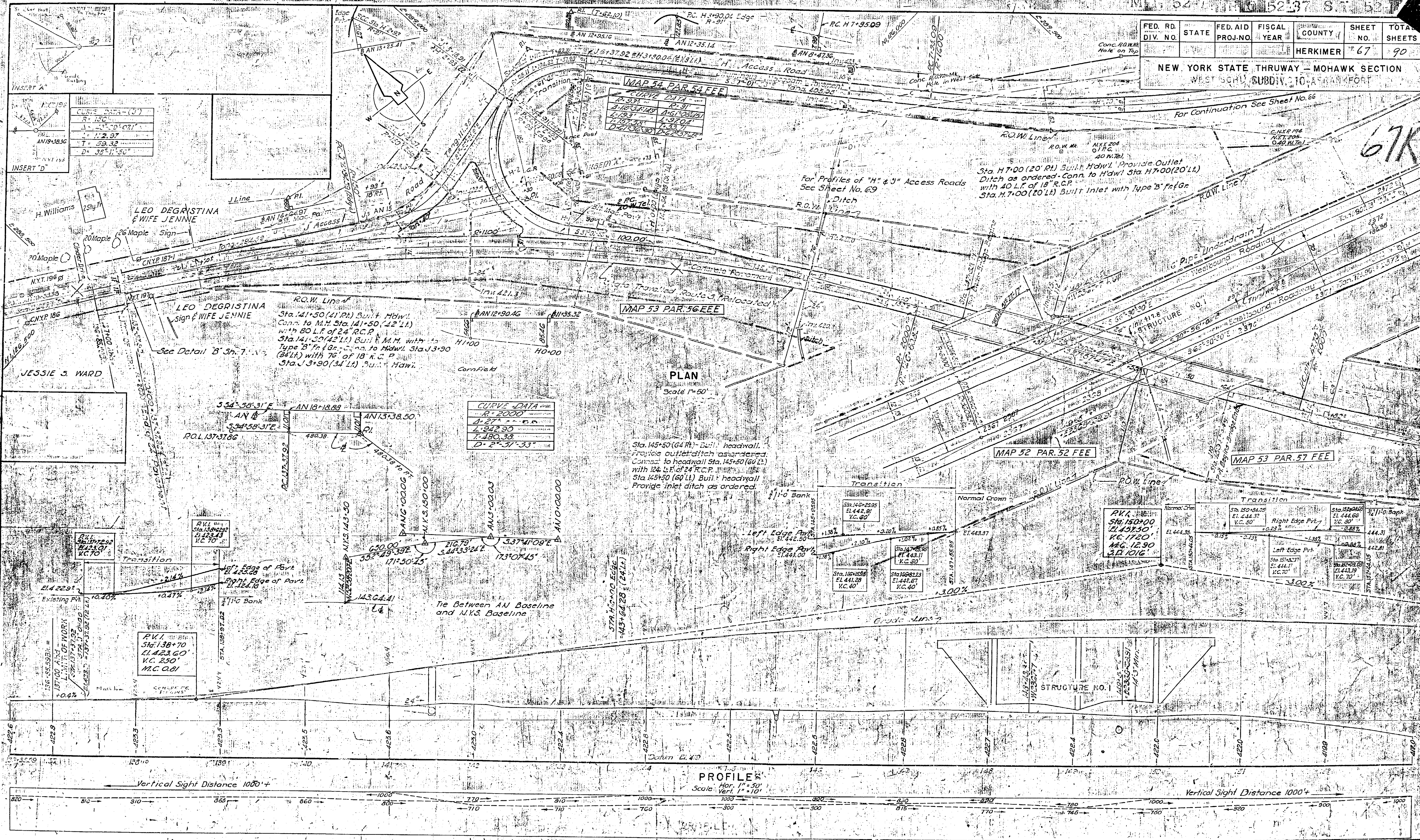
Francis L. Brown P.E. 13144

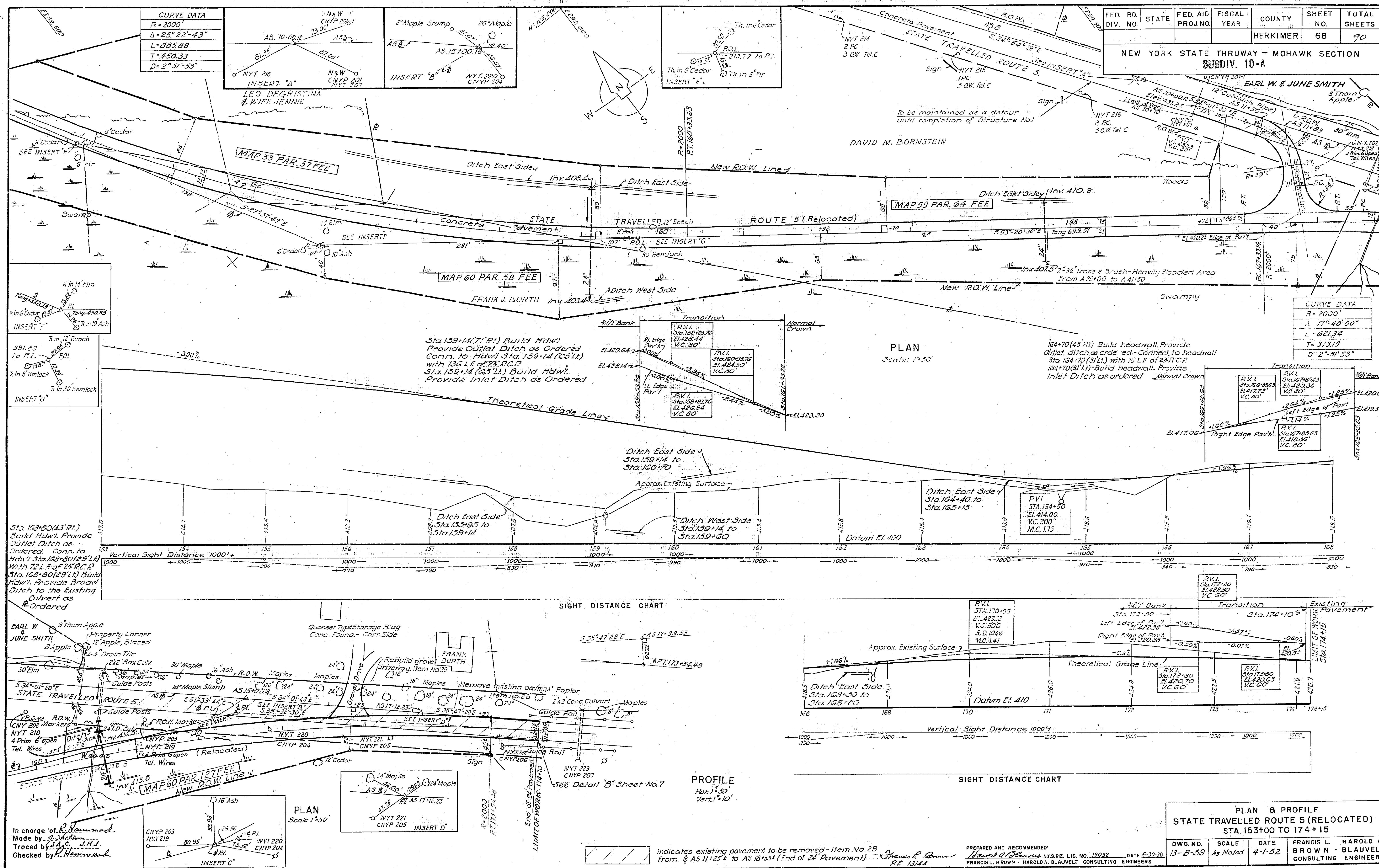
PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE STATE TRAVELLED ROUTE 5 (RELOCATED) STA. 136+35.59 TO STA. 153+00					
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT	CONSULTING ENGINEERS
13-B-58	As Noted	4-1-52			

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	67	90

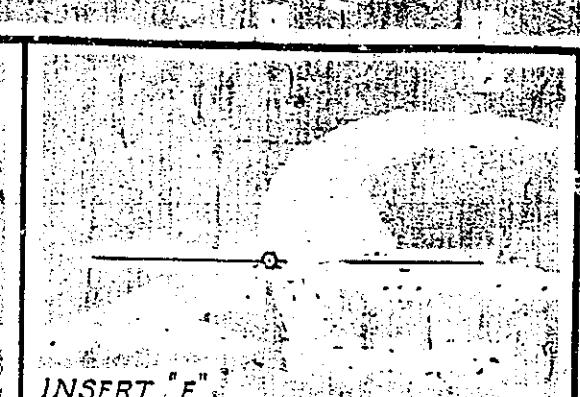
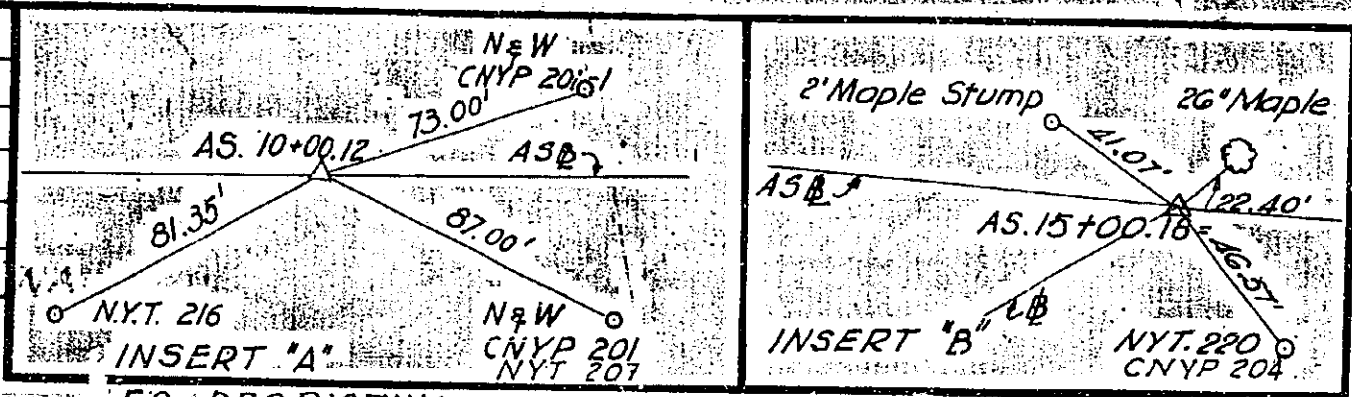
NEW YORK STATE THRUWAY - MOHAWK SECTION
WEST SIDE SUBDIV. 10, ARAHAWKPORT





CURVE DATA

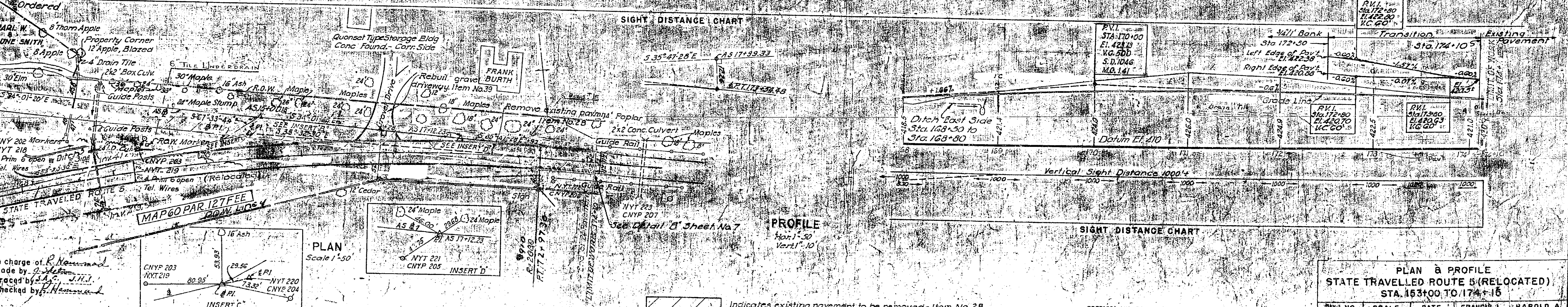
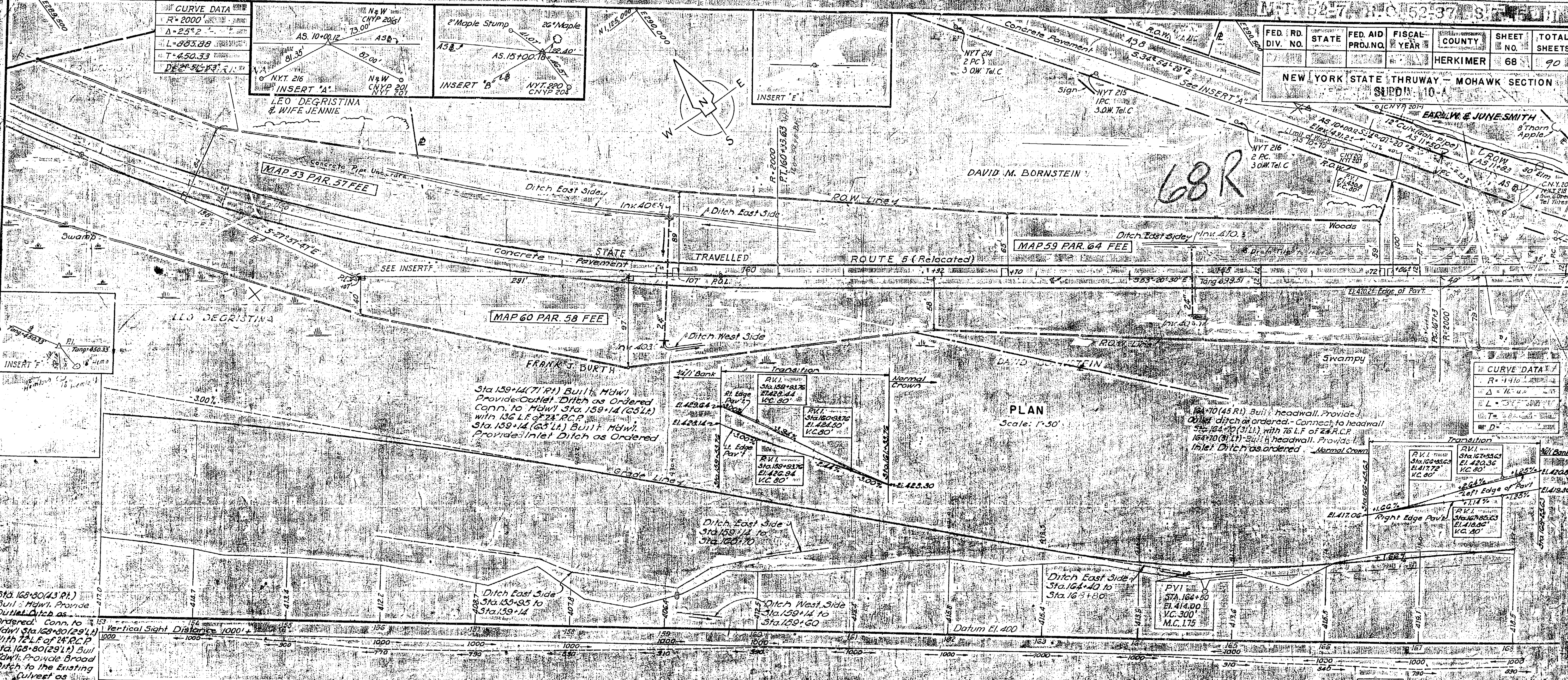
R=2000
$\Delta=25^{\circ}2'$
L=883.88
T=450.33



NYT 62-7, 62-37, 62-11

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	68	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SHEET 10



In charge of R. H. Howard
Made by J. H. Howard
Checked by J. H. Howard

PLAN Scale 1"=50'

PROFILE Scale 1"=50' Vert. 1"=10'

INDICATES EXISTING PAVEMENT TO BE REMOVED - ITEM NO. 2B FROM & AS 11+25' TO AS 18+53' (END OF 24' PAVEMENT)

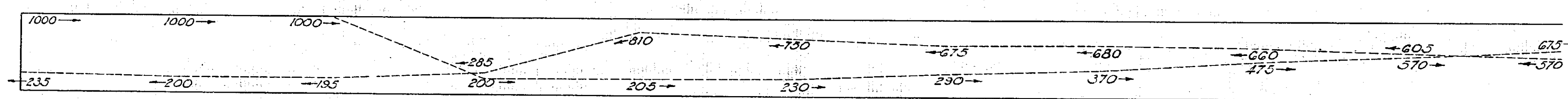
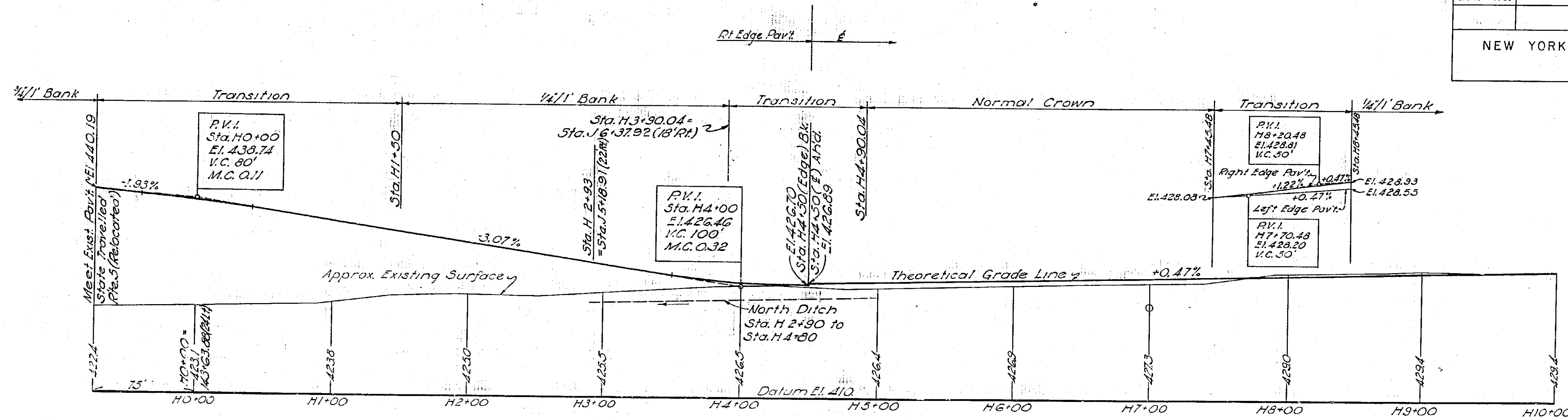
PREPARED AND RECOMMENDED BY: FRANCIS L. BROWN & HAROLD A. BLAUVELT CONSULTING ENGINEERS

DATE: 4-1-52

PLAN & PROFILE
STATE TRAVELLED ROUTE 5 (RELOCATED)
STA. 153+00 TO 174+15

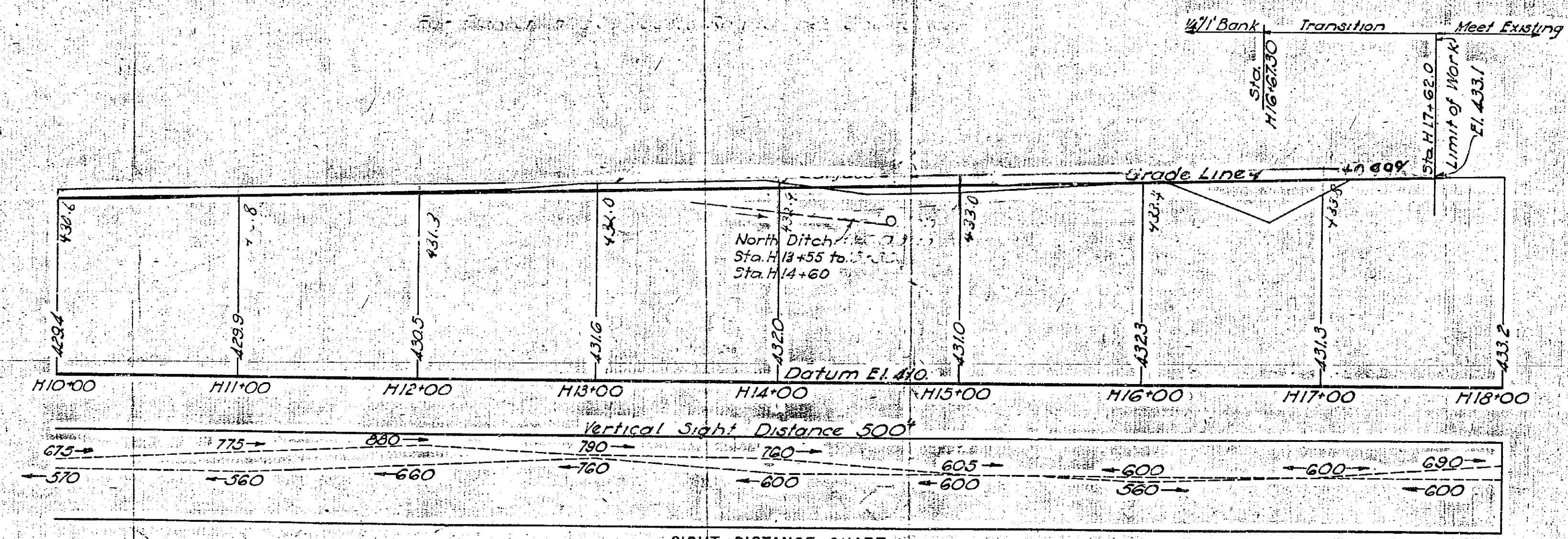
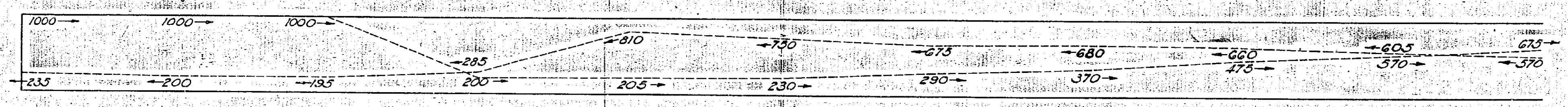
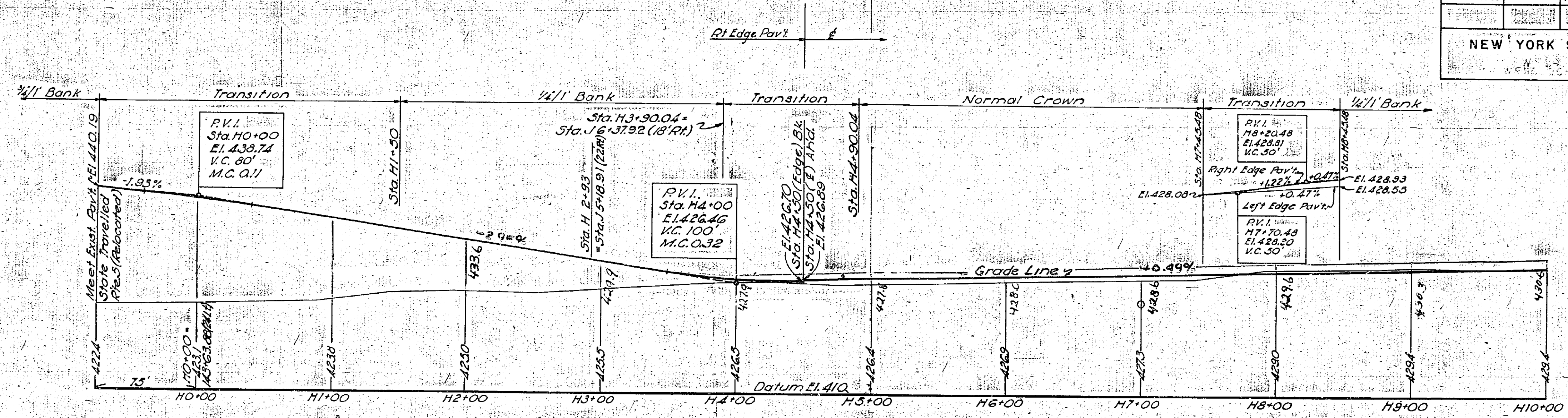
ENG. NO.	SCALE	DATE	BY
13-8-50	As Noted	4-1-52	FRANCIS L. BROWN & HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	69	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						

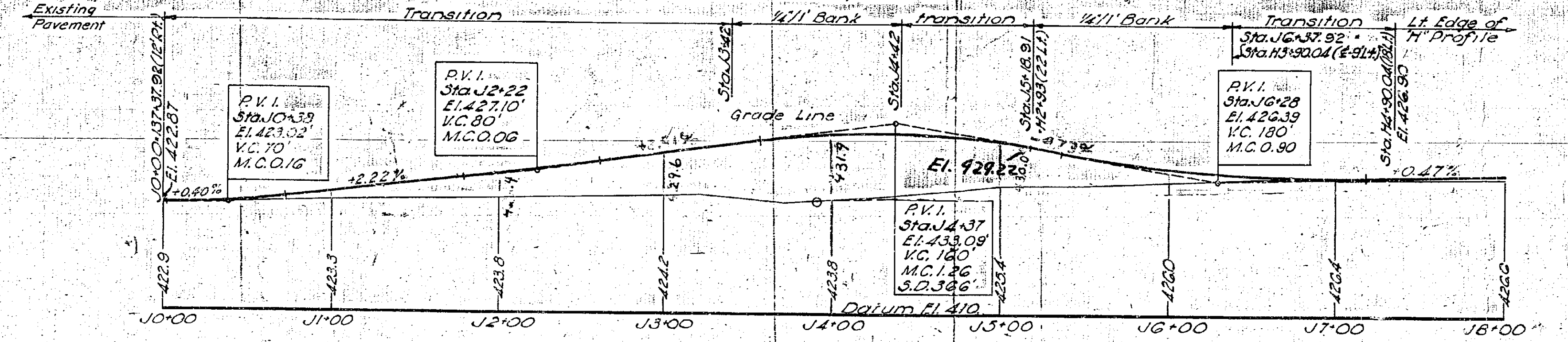


FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	69	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						

69R



SIGHT DISTANCE CHART
PROFILE "H" ACCESS ROAD
Scale: Hor. 1"=50', Vert. 1"=10'



PROFILE "J" ACCESS ROAD
Scale: Hor. 1"=50', Vert. 1"=10'

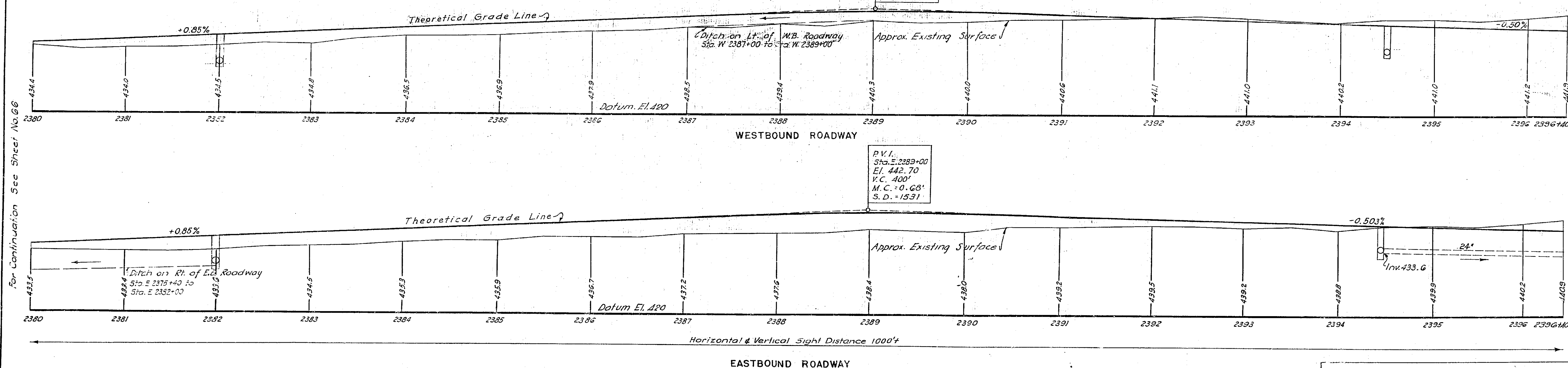
For Plan see Sheets Nos. 66 & 67

PROFILES "H" AND "J" ACCESS ROADS			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-60	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

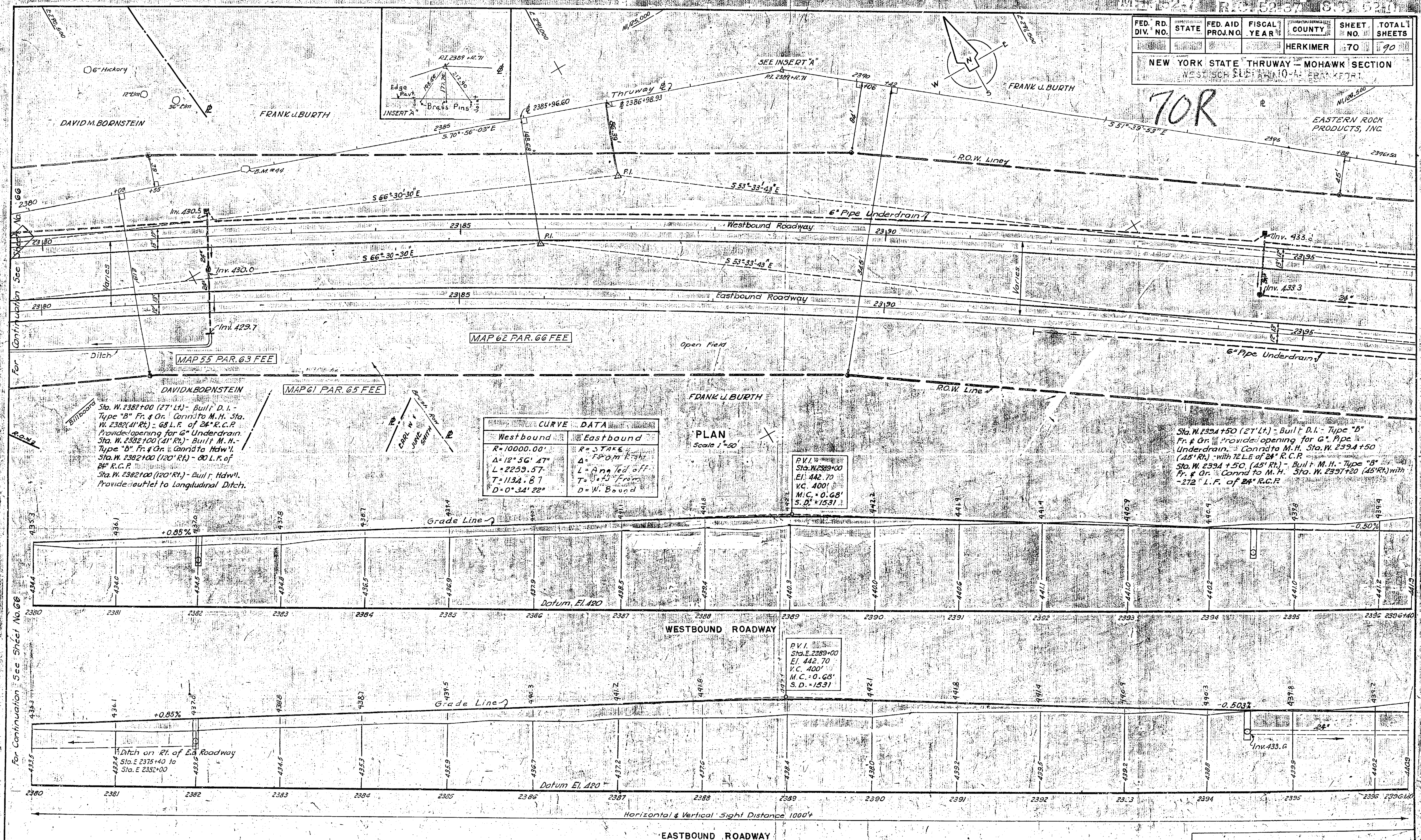
Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-58
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

In charge of R. H. Hunsicker
Made by J. S. Hunsicker
Traced by J. H. J.
Checked by J. Wood



HWG. NO.	SCALE	DATE	FRANCIS L. BROWN -	HAROLD A. BLAUVELT
13-B-67	As shown	4-1-52	CONSULTING	ENGINEERS



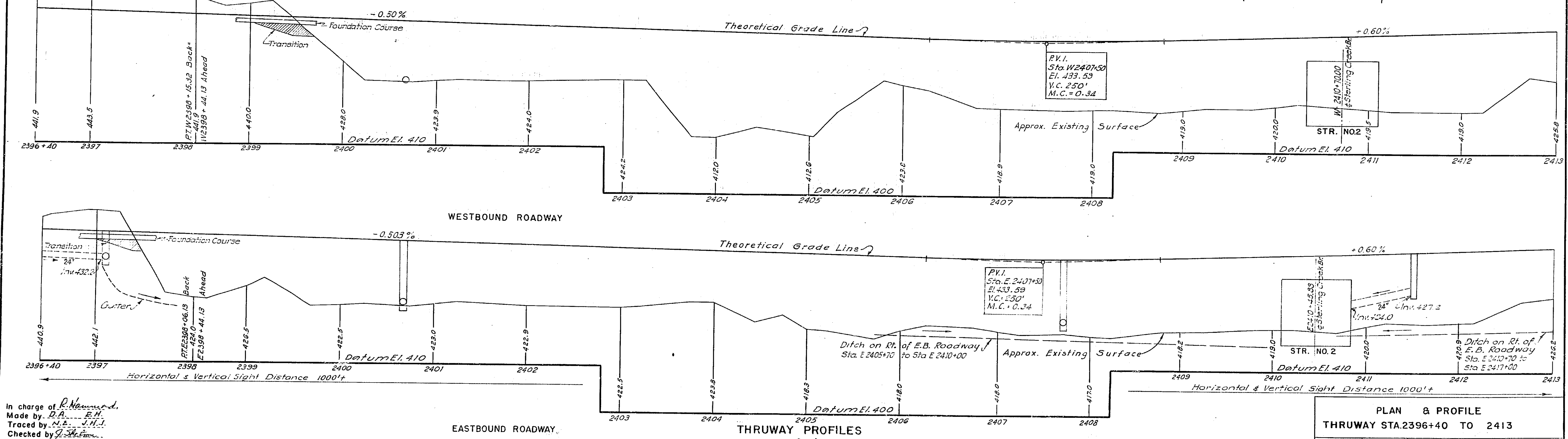
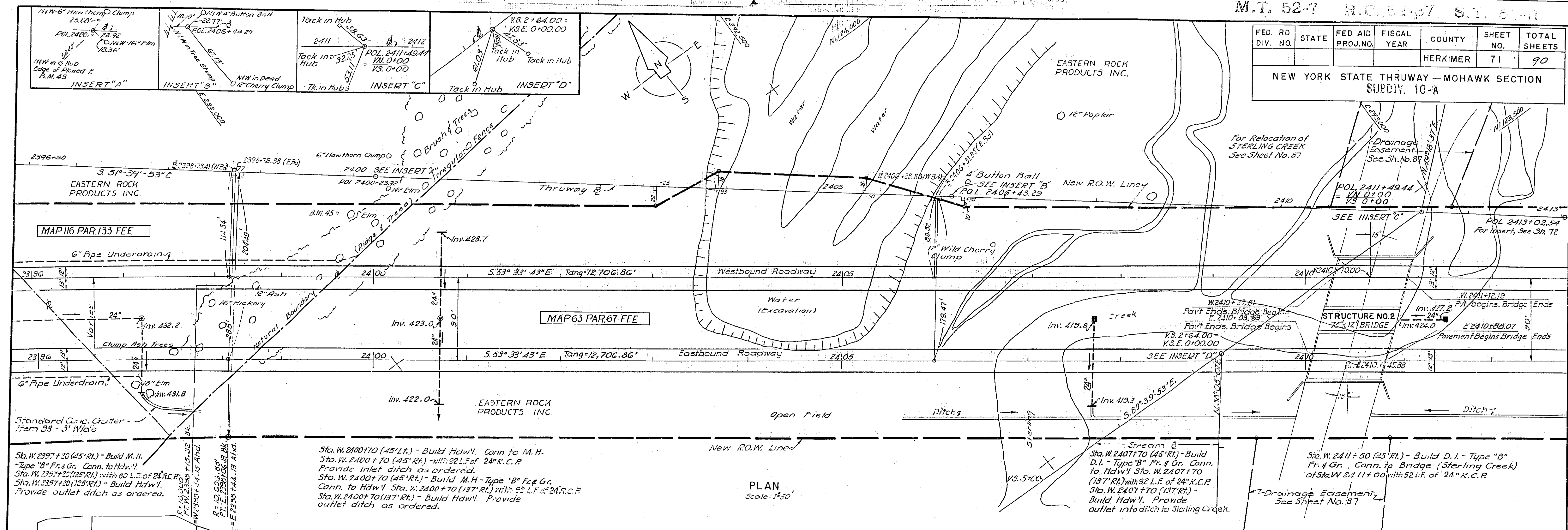
CURVE DATA	
Westbound	Eastbound
R = 10000.00'	R = STAKE
Δ = 12° 56' 47"	Δ = FROM R. 1/4
L = 2259.57'	L = Angled off
T = 1134.87'	T = Set from
D = 0° 34' 22"	D = W. Bound

P.V.I.
Sta. W. 2389+00
El. 442.70
V.C. 400'
M.C. = 0.68'
S.D. = 1531'

Sta. W. 2394+50 (27' Lt.) - Built D.I. - Type "B"
Fr. & Gr. provide opening for 6" Pipe
Underdrain. Conn'd to M.H. Sta. W. 2394+50
(45' Rt.) - with 12 L.F. of 24" R.C.P.
Sta. W. 2394+50 (45' Rt.) - Built M.H. - Type "B"
Fr. & Gr. Conn'd to M.H. Sta. W. 2397+20 (45' Rt.) with
- 272' L.F. of 24" R.C.P.

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	71	90

NEW YORK STATE THRUWAY — MOHAWK SECTION
SUBDIV. 10-A



In charge of *R. H. H. H.*
 Made by *R. H. H. H.*
 Traced by *R. H. H. H.*
 Checked by *R. H. H. H.*

THRUWAY PROFILES

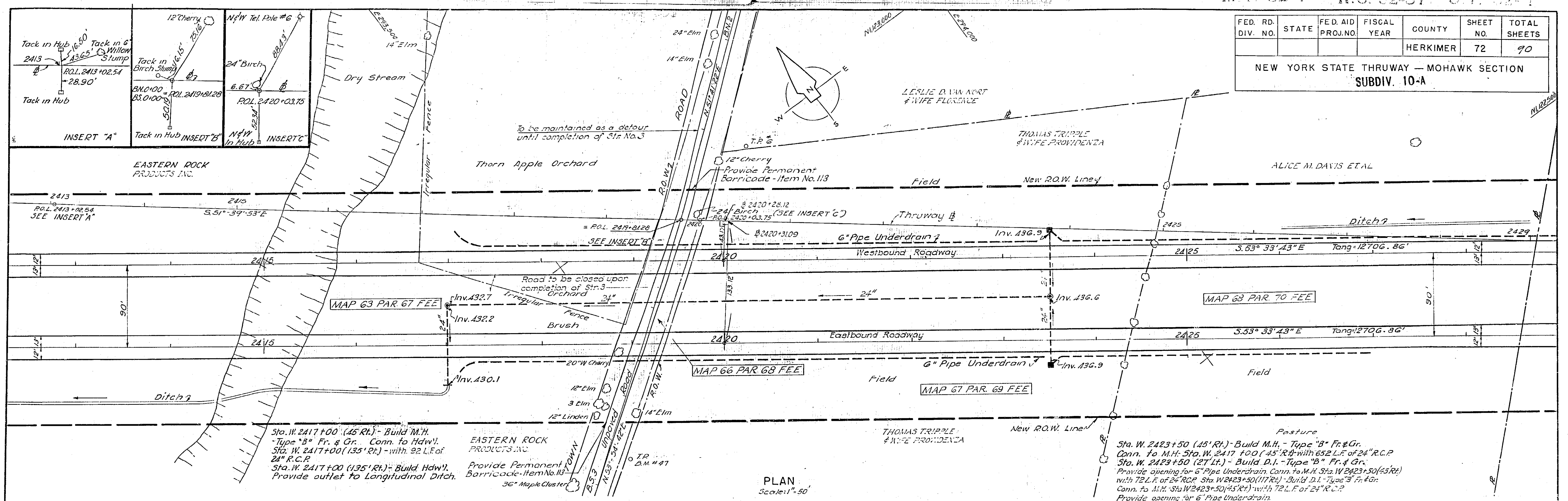
Hor. 1"=50'
 Vert. 1"=10'

Francis L. Brown P.E. 13/44

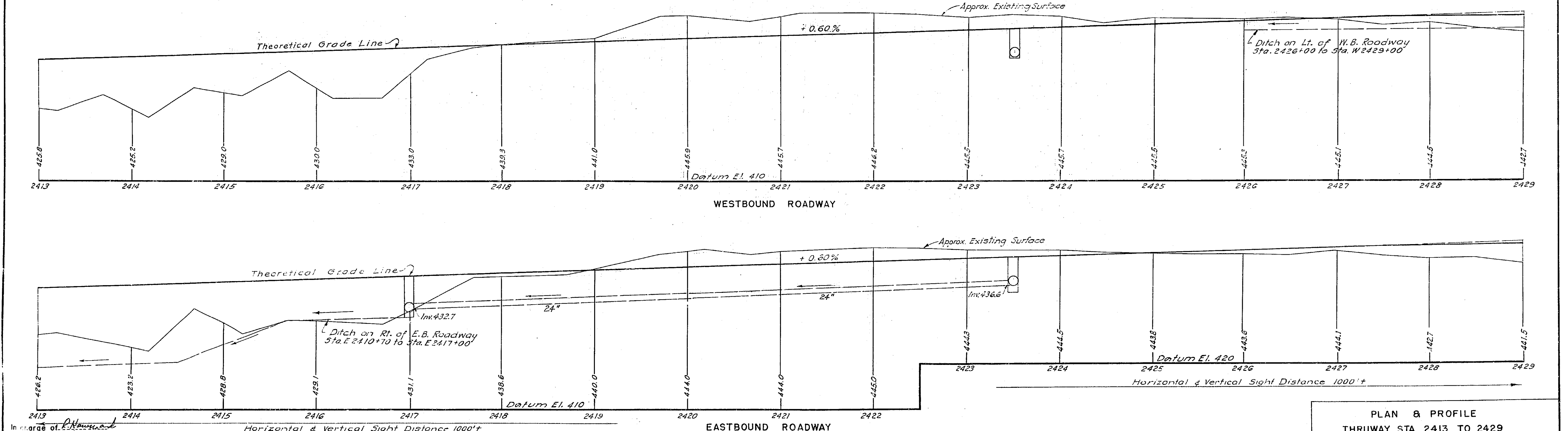
PREPARED AND RECOMMENDED:
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE THRUWAY STA. 2396+40 TO 2413			
OWG. NO.	SCALE	DATE	ENGINEERS
13-B-62	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	72	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						



PLAN
Scale: 1" = 50'



THRUWAY PROFILES

PLAN & PROFILE				
THRUWAY STA. 2413 TO 2429				
DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS	
13-B-63	As Noted	4-1-52		

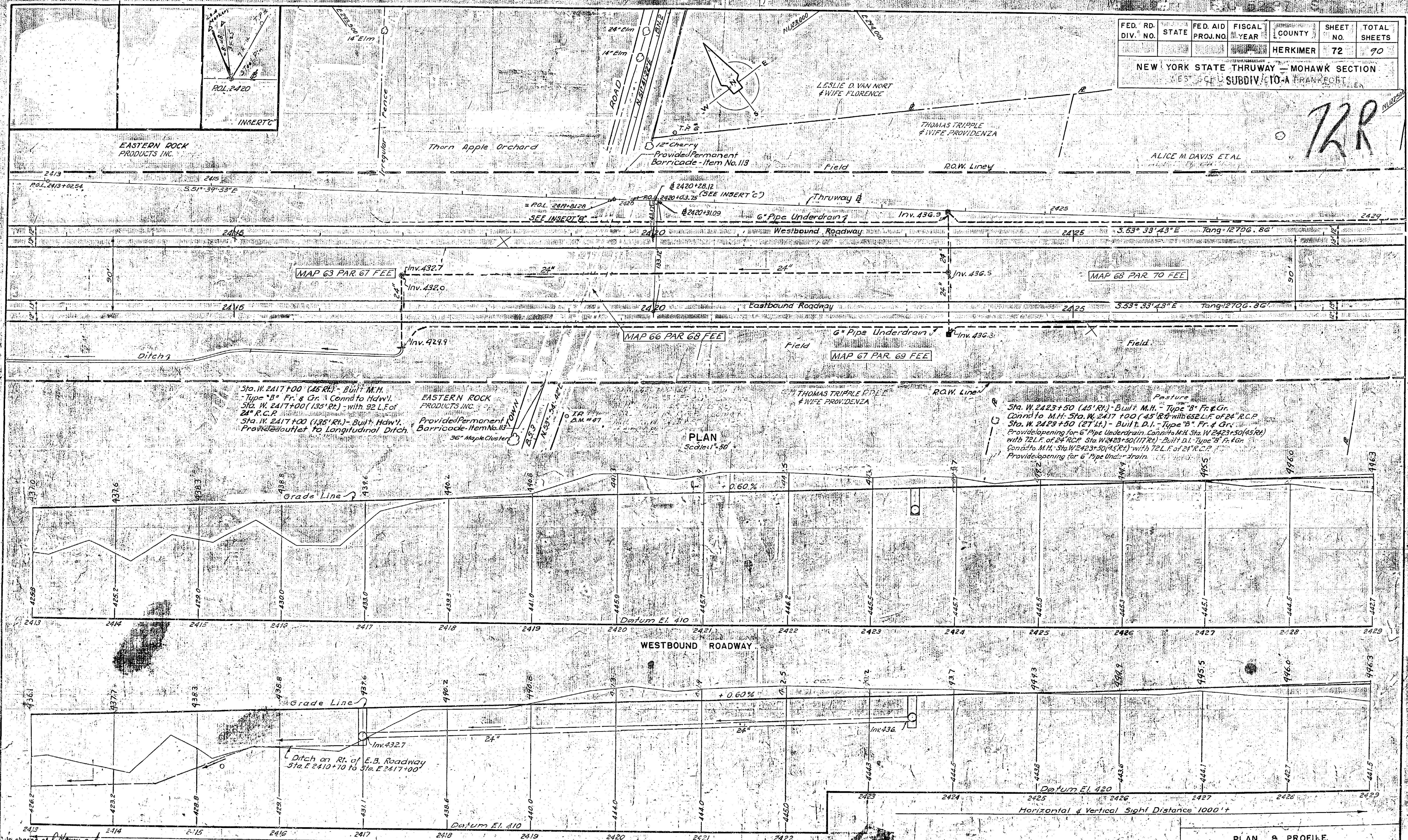
In charge of *E. H. Brown*
Made by *J. Skelton*
Traced by *N. J. Brown*
Checked by *F. G. R.H.*

PREPARED AND RECOMMENDED
Francis L. Brown N.Y.S.E. LIC. NO. 19032 DATE 6-30-52
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	72	90

NEW YORK STATE THRUWAY — MOHAWK SECTION
WEST SIDE SUBDIV. TO A FRANKFORT, N.Y.

12R



In charge of *[Signature]*
Made by *[Signature]*
Traced by *[Signature]*
Checked by *[Signature]*

THRUWAY PROFILES

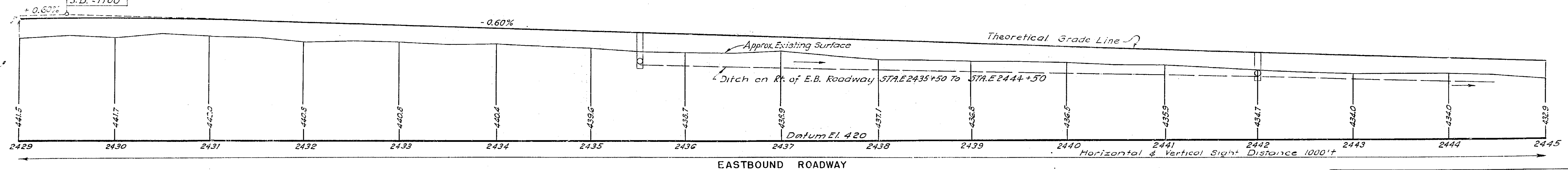
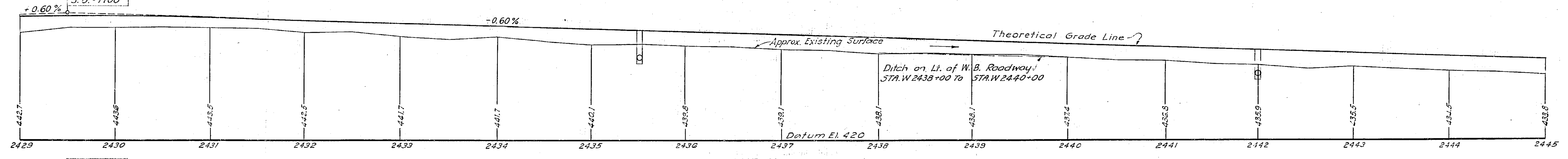
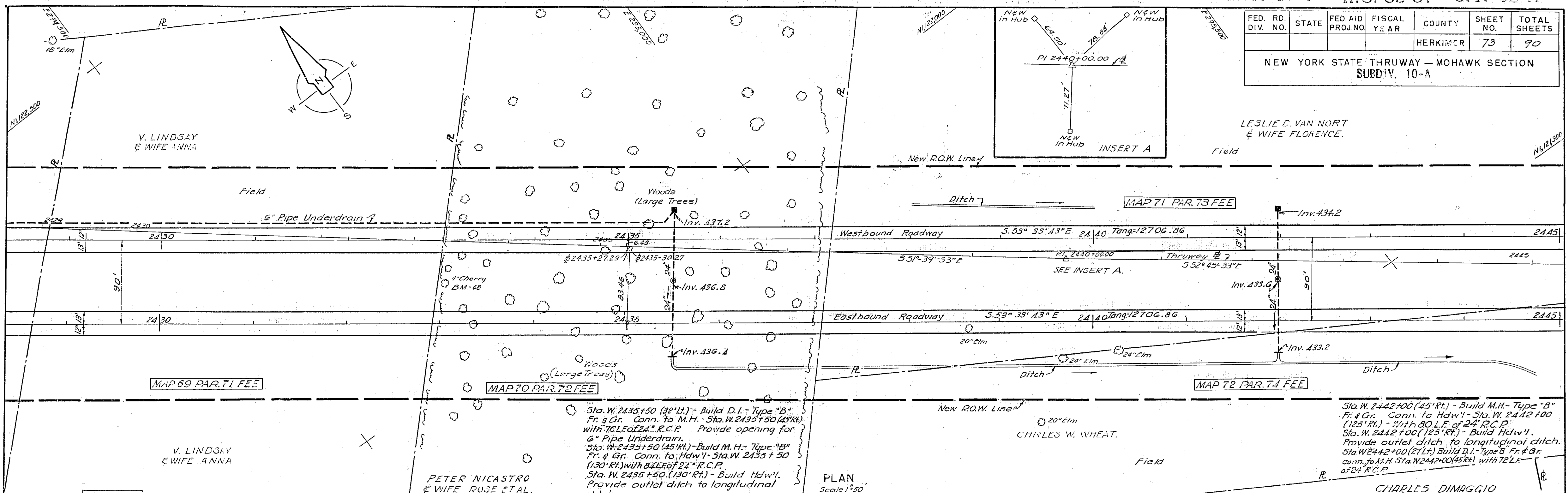
PREPARED AND RECOMMENDED
Francis L. Brown, N.Y.S.E. Lic. No. 19032
Francis L. Brown - Harold A. Blauvelt Consulting Engineers

PLAN & PROFILE THRUWAY STA. 2413 TO 2429			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-63	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	73	90

NEW YORK STATE THRUWAY — MOHAWK SECTION
SUBD.V. 10-A

LESLIE D. VAN NORT
& WIFE FLORENCE.



THRUWAY PROFILES

Hor. 1"=50'
Vert. 1"=10'

Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Francis L. Brown - Harold A. Blauvelt
NYSRE, LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE THRUWAY STA. 2429 TO 2445			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-64	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

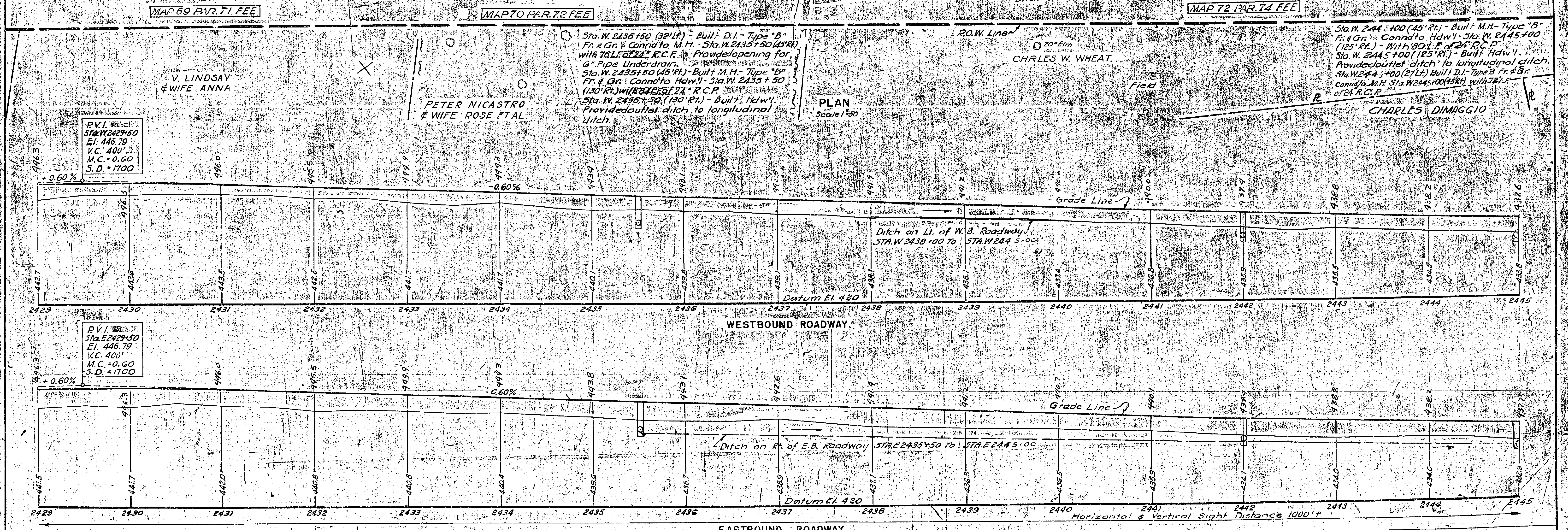
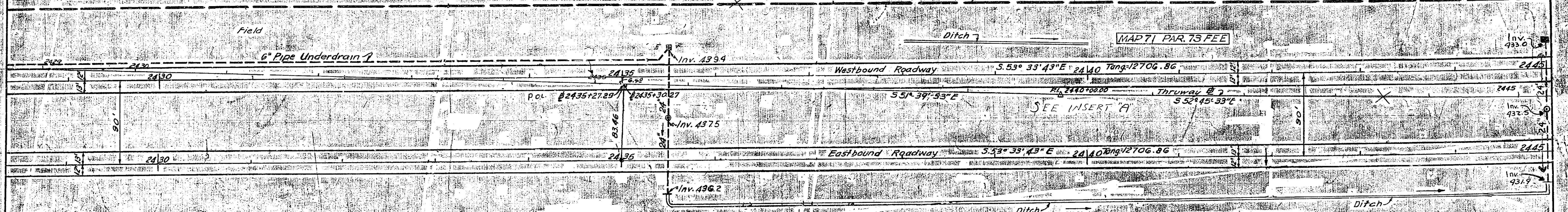
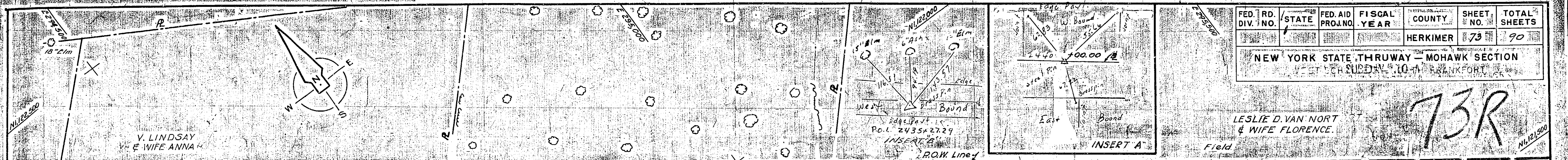
In charge of *R. H. H. H.*
Made by *D. J. J.*
Traced by *A. J. J.*
Checked by *F. F. R. H.*

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	73	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
WEST CHURCHMAN 10-A BRANKFORD

73R

LESLIE D. VAN NORT
& WIFE FLORENCE



In charge of R. Hammond
Made by D. J. S.
Traced by N. Spengler
Checked by R. F. R.H.

THRUWAY PROFILES

Horizontal & Vertical Sight Distance 1000'

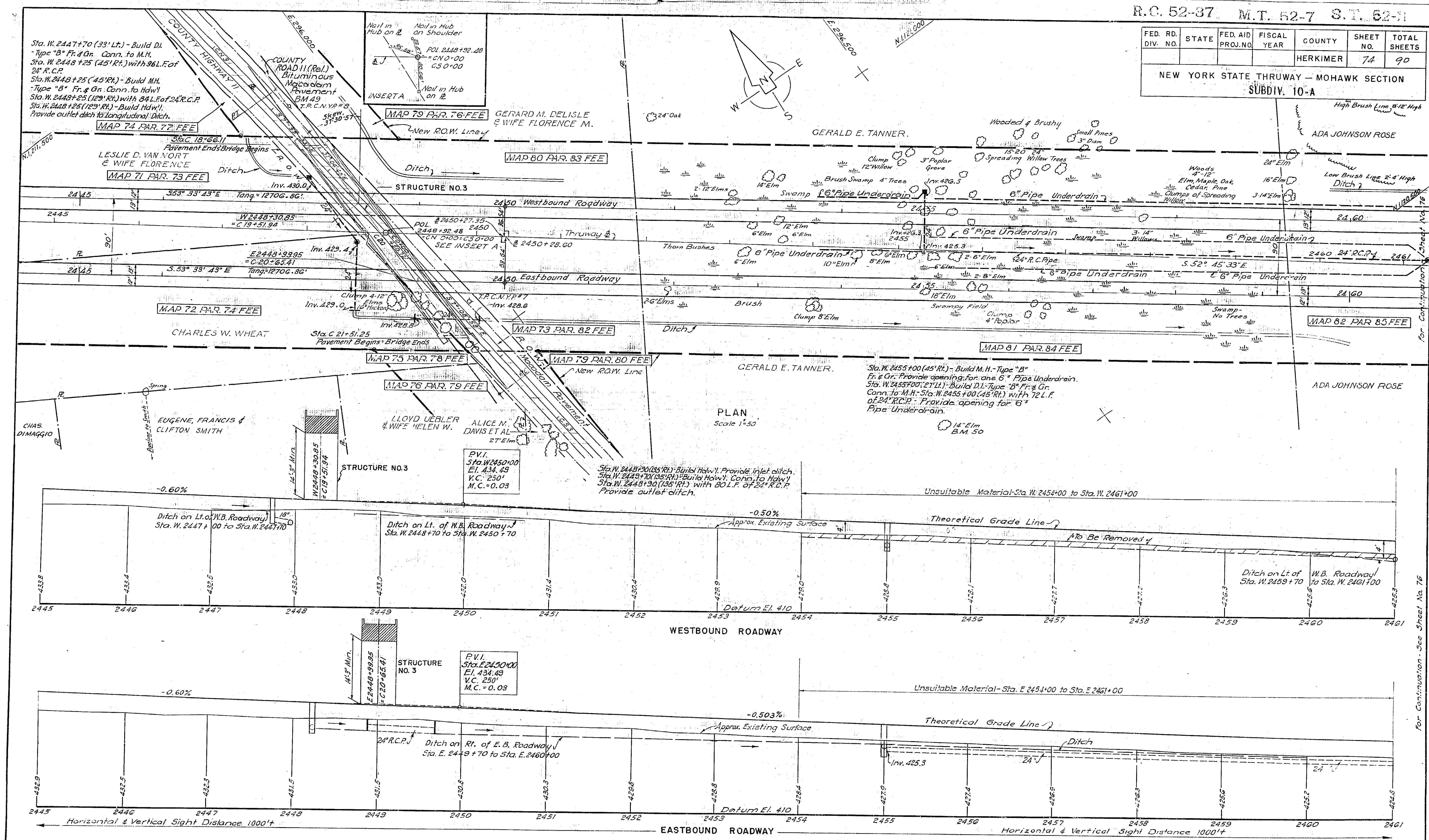
Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Francis L. Brown (NYSRE. LIC. NO. 19032) DATE 6-30-38
Francis L. Brown - Harold A. Blauvelt CONSULTING ENGINEERS

PLAN & PROFILE THRUWAY STA. 2429 TO 2445			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-64	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	74	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



In charge of *R. H. H. H.*
Made by *J. H. H.*
Traced by *J. H. H.*
Checked by *J. H. H.*

THRUWAY PROFILES

Hor. 1"=50'
Ver. 1"=10'

Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Francis L. Brown NYS.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

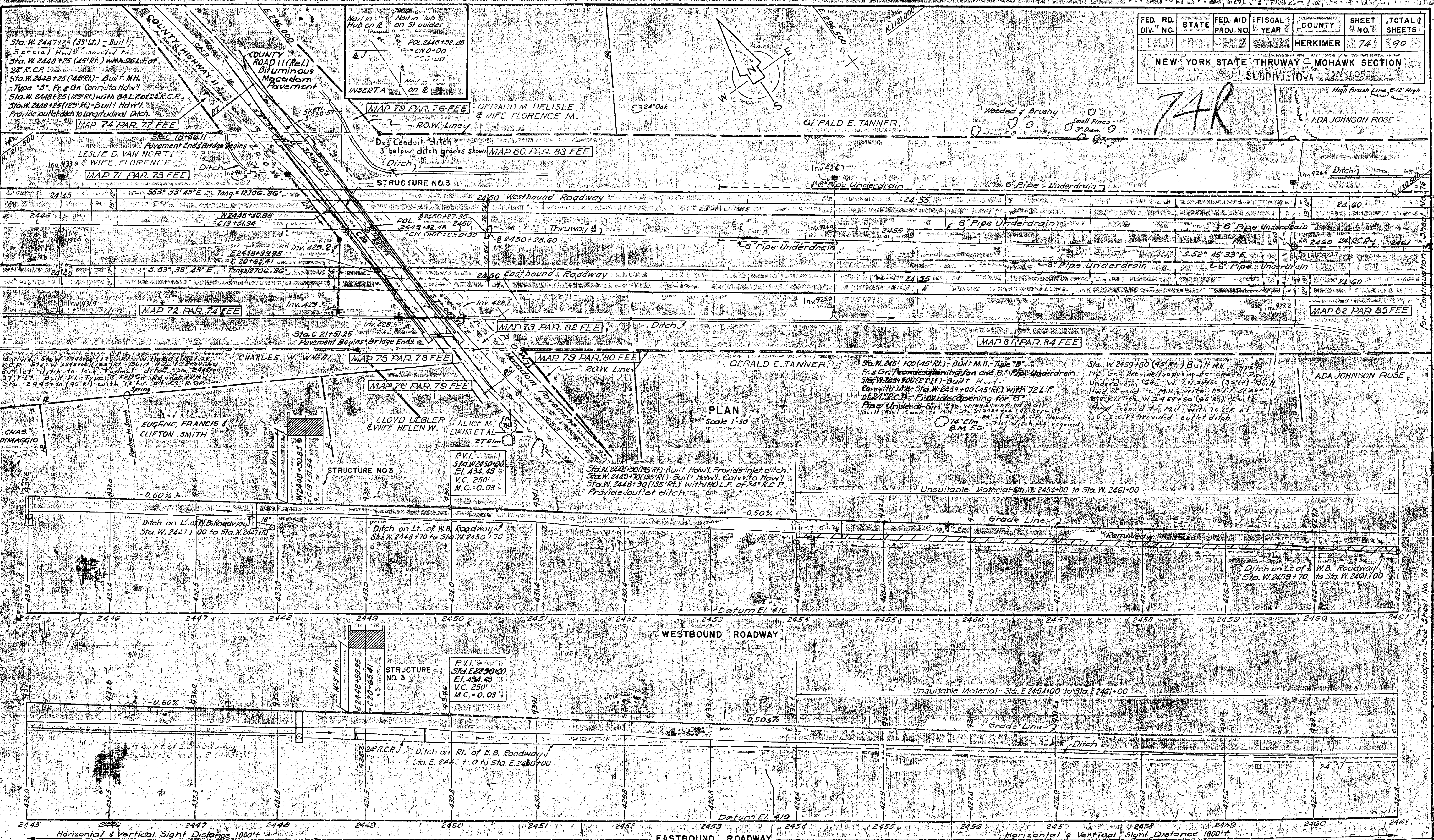
PLAN & PROFILE THRUWAY STA. 2445 TO 2461			
DWG. NO.	SCALE	DATE	ENGINEER
13-B-65	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

For Continuation - See Sheet No. 75

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	74	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIVISION A

74R



In charge of R. Newman
Made by J. Shelton
Traced by M. J. [illegible]
Checked by R. Newman

THRUWAY PROFILES

Hor. 1" = 50'
Vert. 1" = 10'

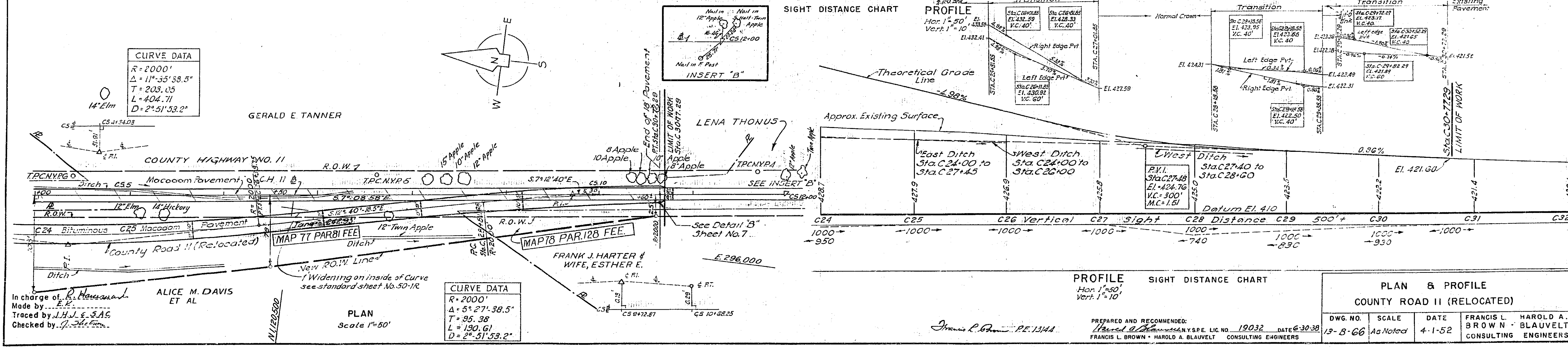
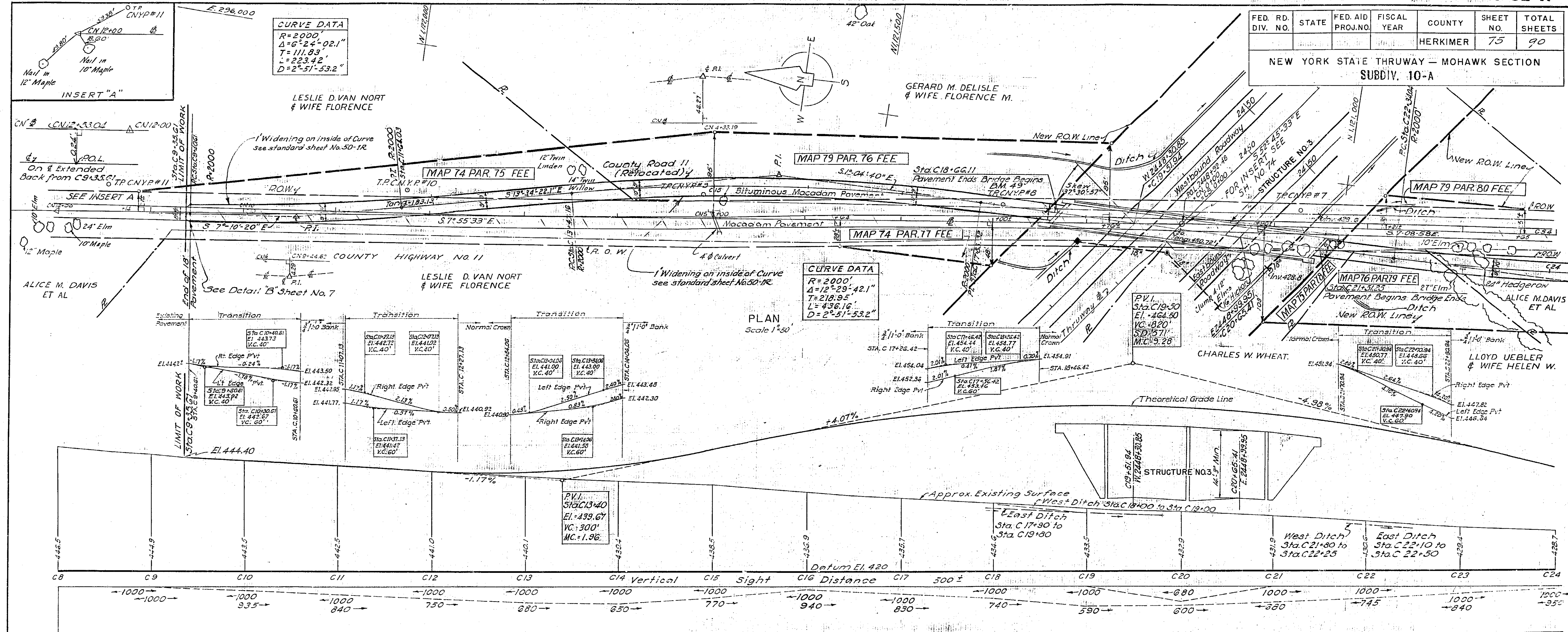
Prepared and Recommended by
Francis L. Brown - Harold A. Blauvelt
CONSULTING ENGINEERS

PLAN & PROFILE
THRUWAY STA. 2445 TO 2461

DWG. NO.	SCALE	DATE	ENGINEERS
13-2-65	1" = 50'	4-1-52	FRANCIS L. BROWN HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
	NY			HERKIMER	75	90

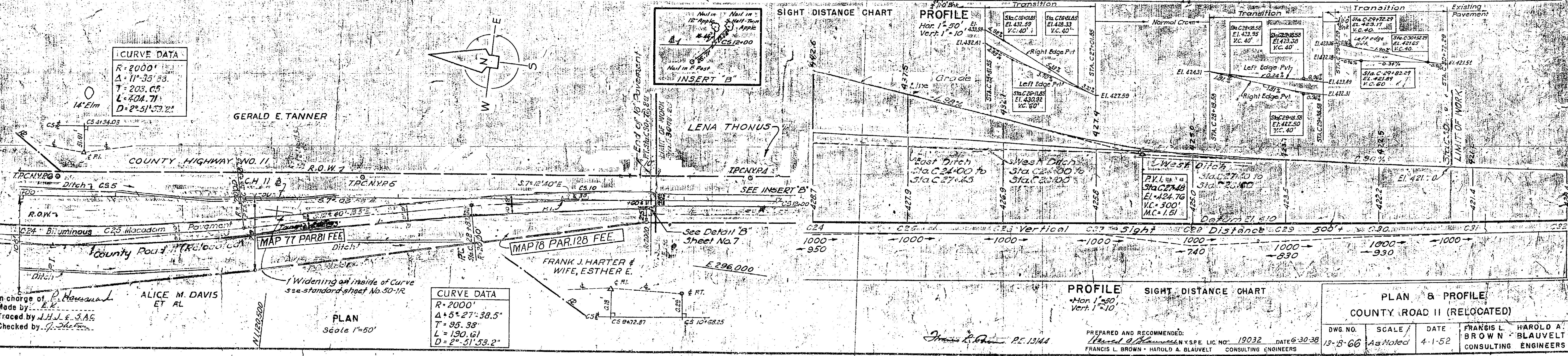
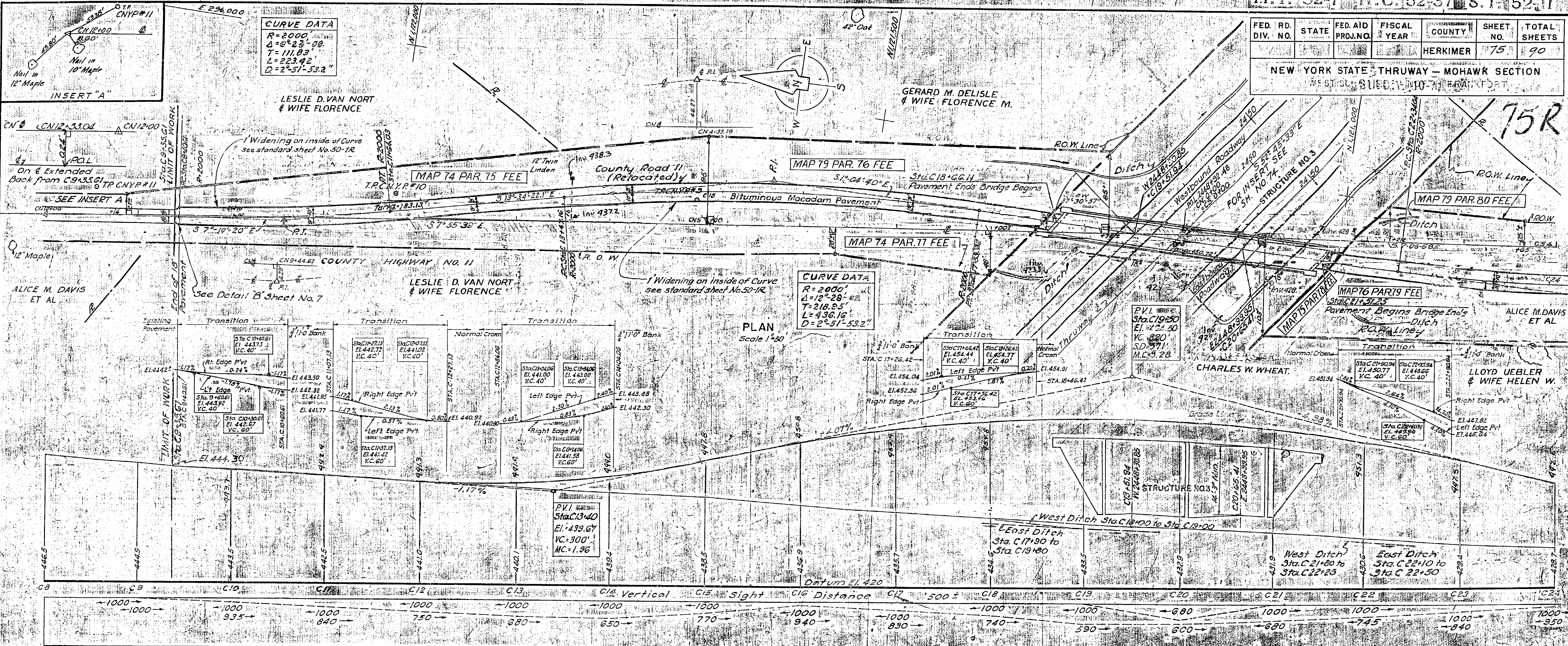
NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A

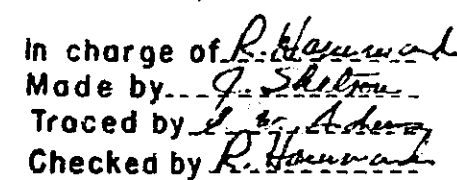


PLAN & PROFILE		COUNTY ROAD 11 (RELOCATED)	
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-66	As Noted	4-1-52	FRANCIS L. BROWN & HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	75	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
WEST SUSSEX, N.Y. - RAILROAD





Hor. $1'' = 50'$
Vert. $1'' = 10'$

Francis L. Brown P.E. 13144

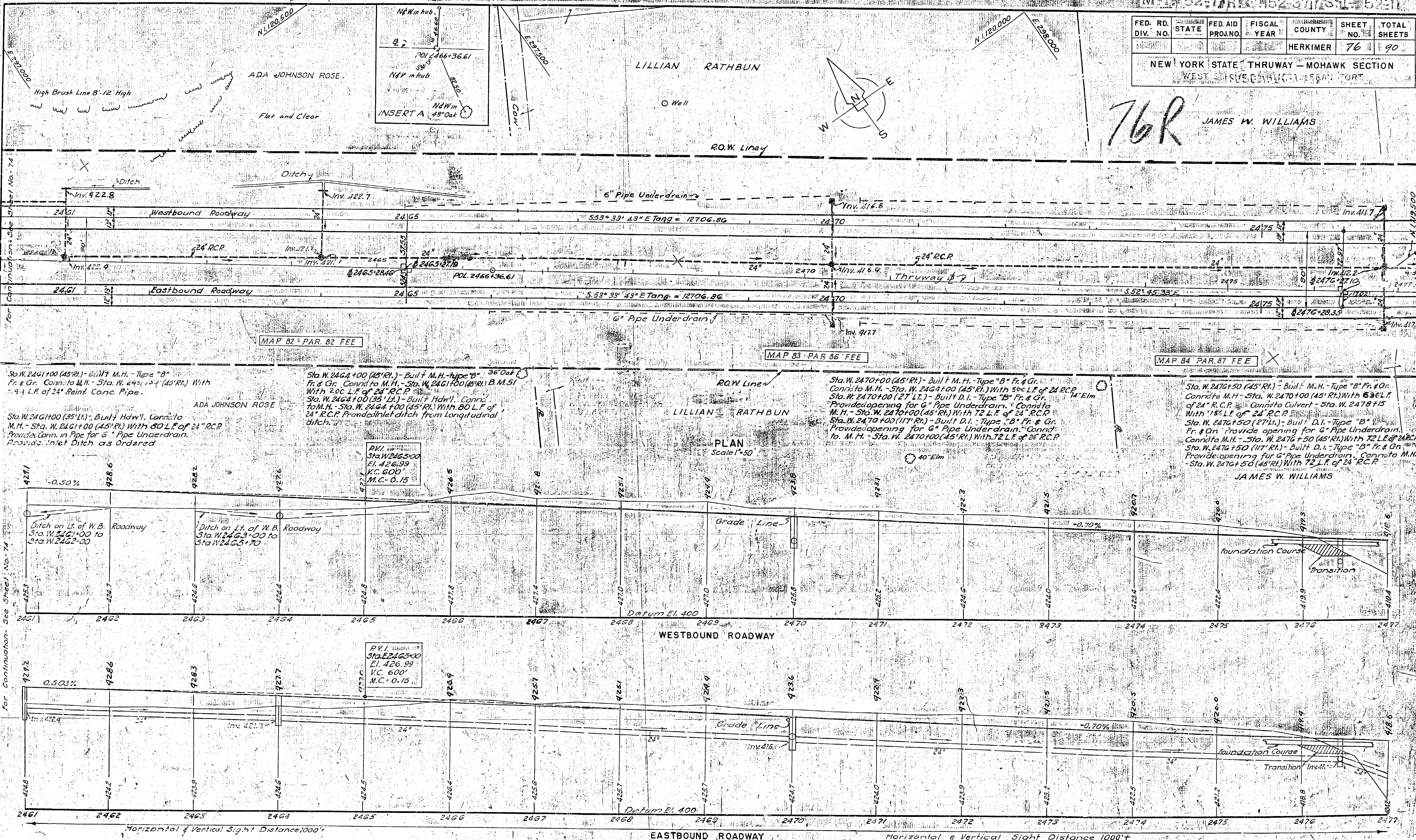
PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE
THRUWAY STA. 2461 TO 2477

DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS
13-B-67	As Noted	4-1-52	

FED. RD. DIV. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	76	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
WEST SIDE MOHAWK RIVER BRIDGE						

76R JAMES W. WILLIAMS

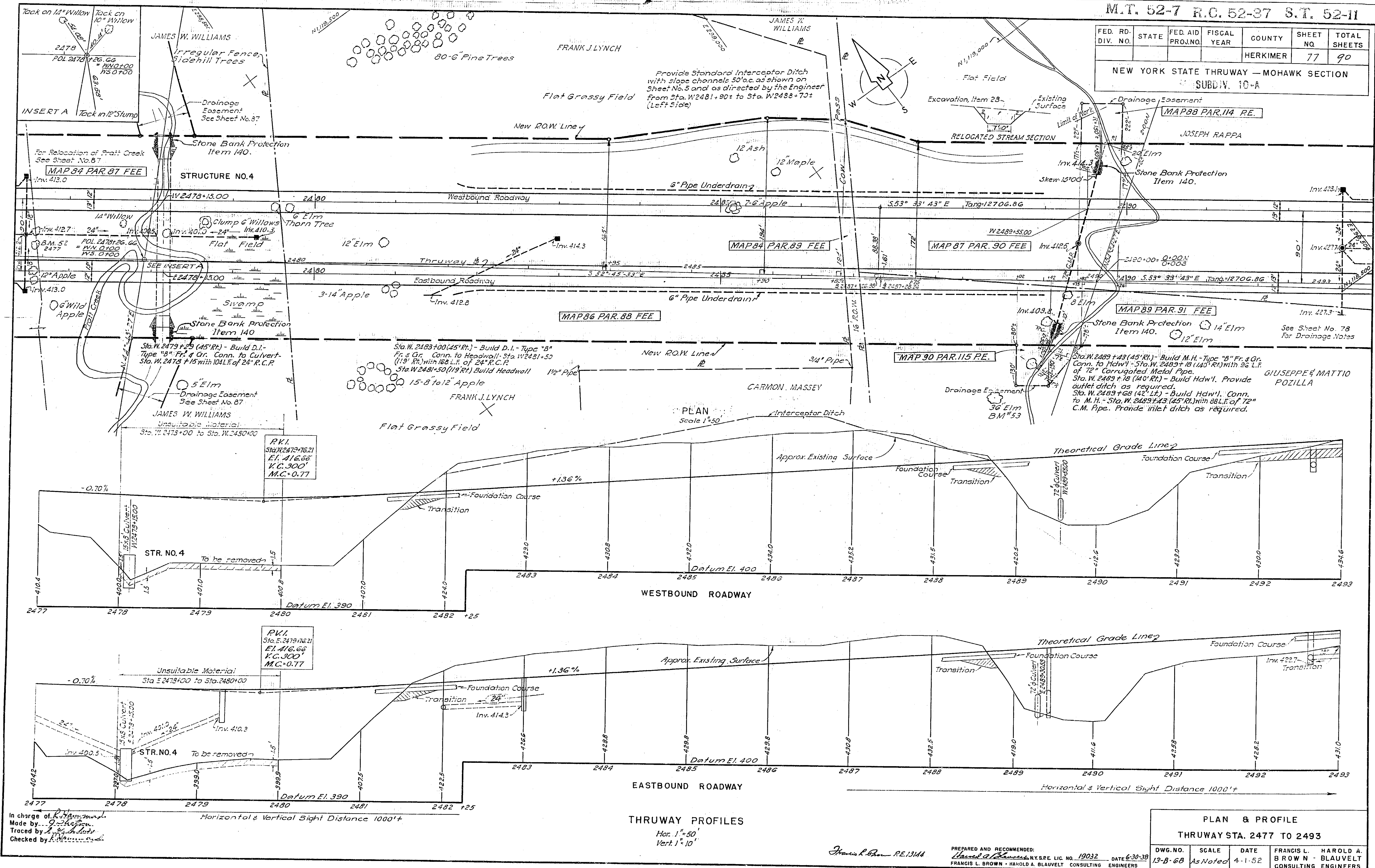


In charge of *R. Williams*
Made by *J. Williams*
Traced by *J. Williams*
Checked by *R. Williams*

THRUWAY PROFILES
Hor. 1"=50'
Vert. 1"=10'

PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS

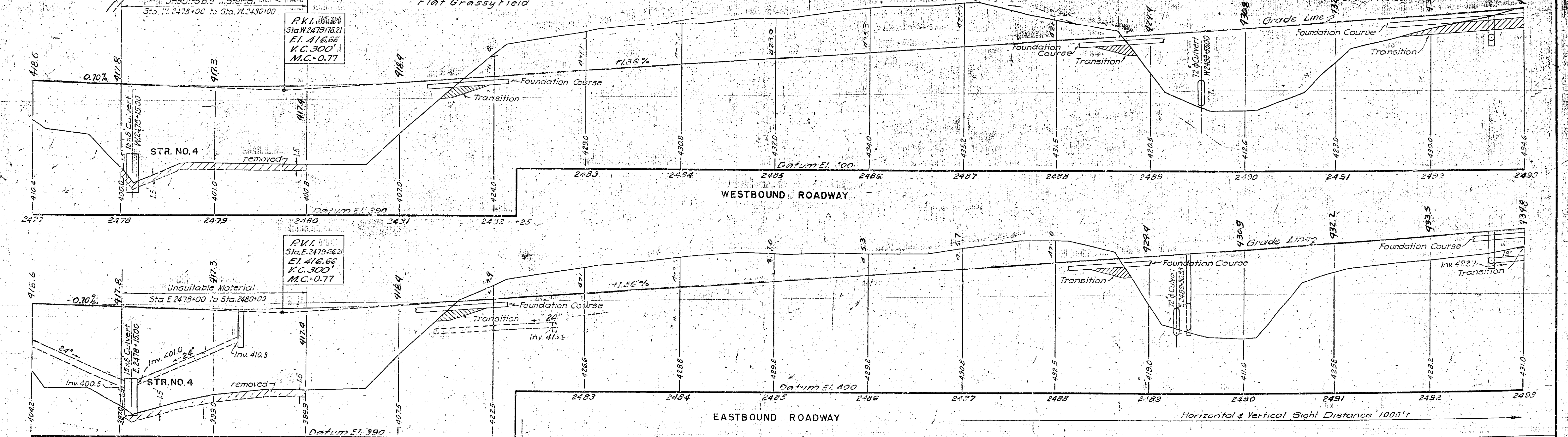
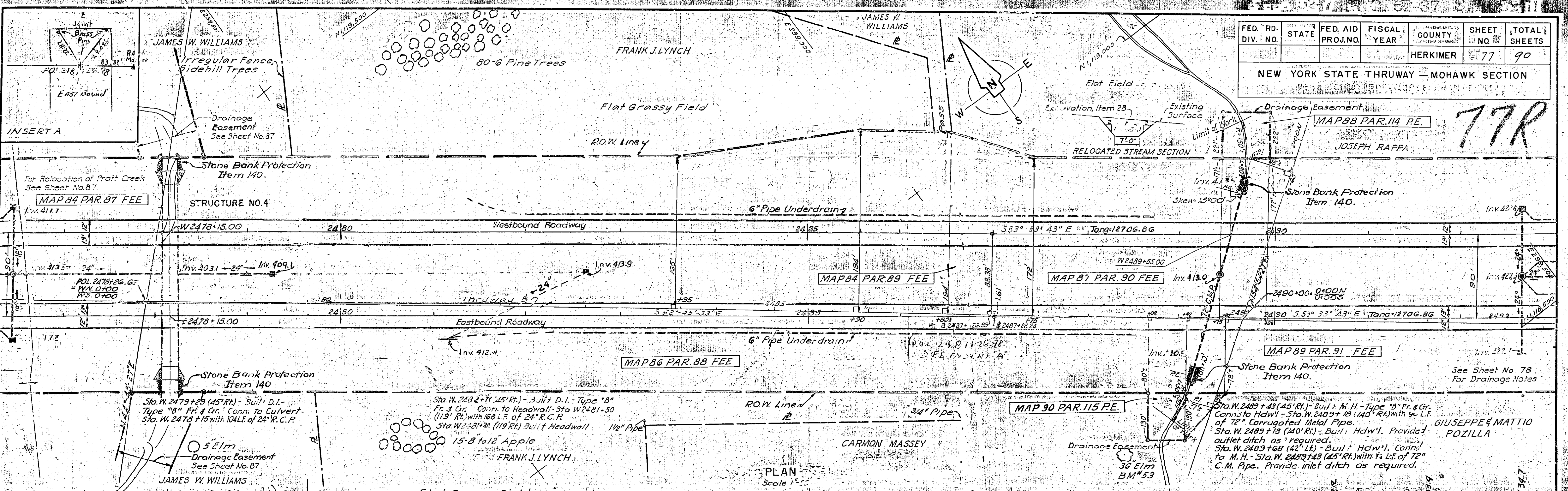
PLAN & PROFILE THRUWAY STA 2461 TO 2477			
DWG. NO.	SCALE	DATE	ENGINEER
13-B-61	As Noted	4-1-52	FRANCIS L. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS



FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	77	90

NEW YORK STATE THRUWAY — MOHAWK SECTION

77R



THRUWAY PROFILES

Hor. 1"=50'
Vert. 1"=10'

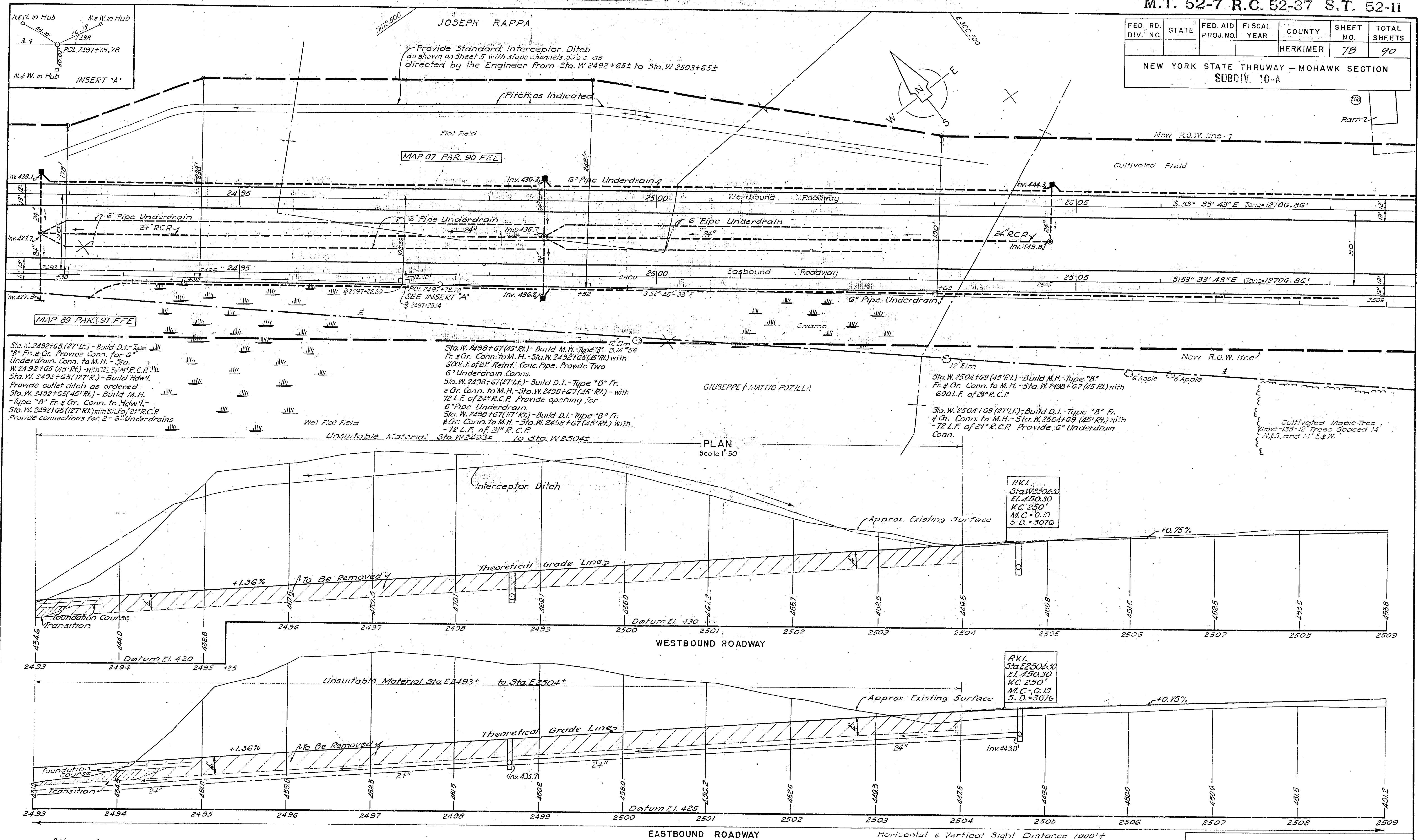
PLAN & PROFILE
THRUWAY STA. 2477 TO 2493

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-B-68	As Noted	4-1-52	

PREPARED AND RECOMMENDED:
Francis L. Brown, N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
Francis L. Brown - Harold A. Blauvelt CONSULTING ENGINEERS

In charge of...
Made by...
Traced by...
Checked by...

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	78	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



In charge of *P. H. H. H.*
 Made by *P. H. H. H.*
 Traced by *P. H. H. H.*
 Checked by *P. H. H. H.*

THRUWAY PROFILES

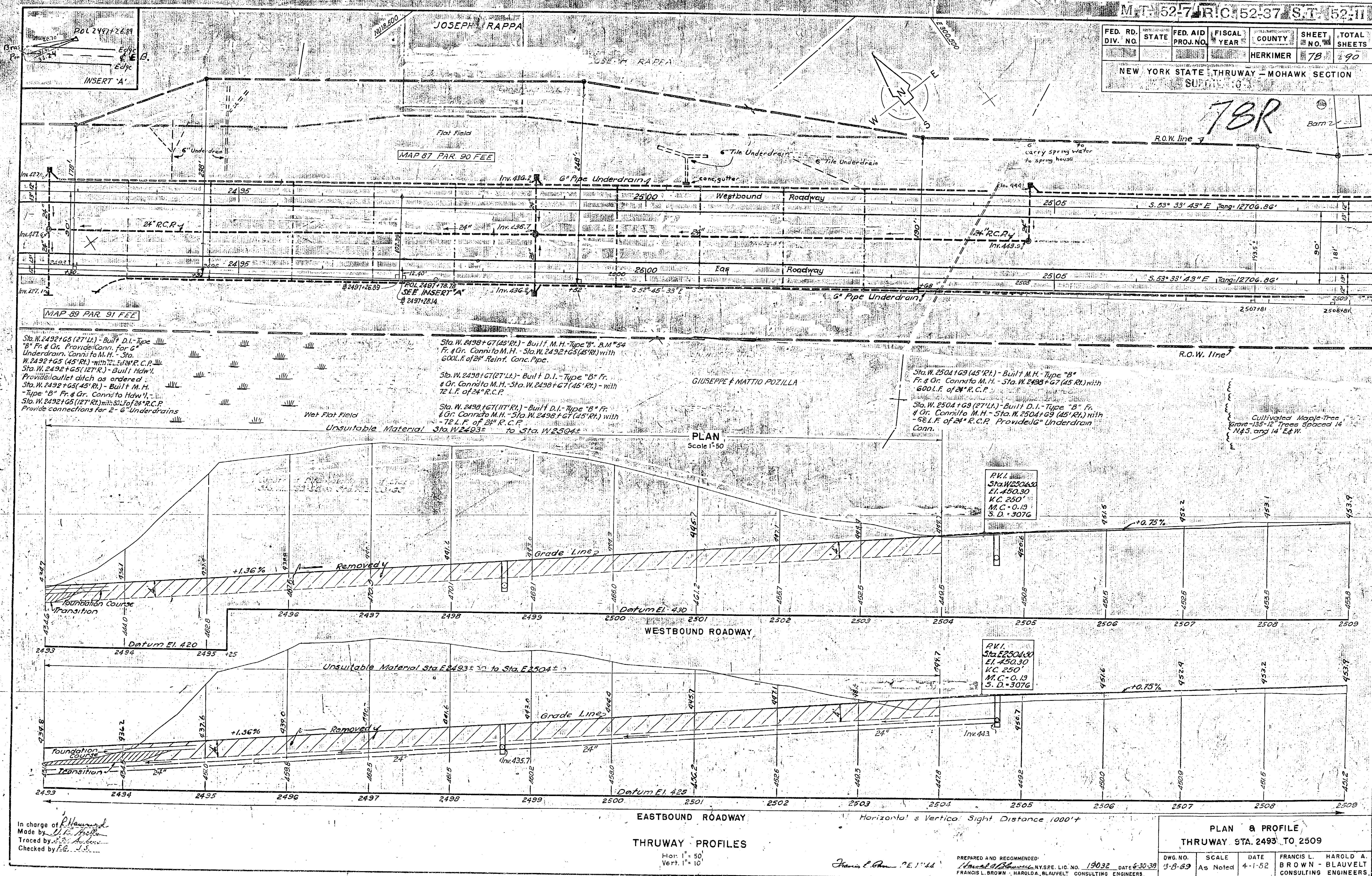
Hor. 1" = 50'
 Vert. 1" = 10'

Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Francis L. Brown NYSPE. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

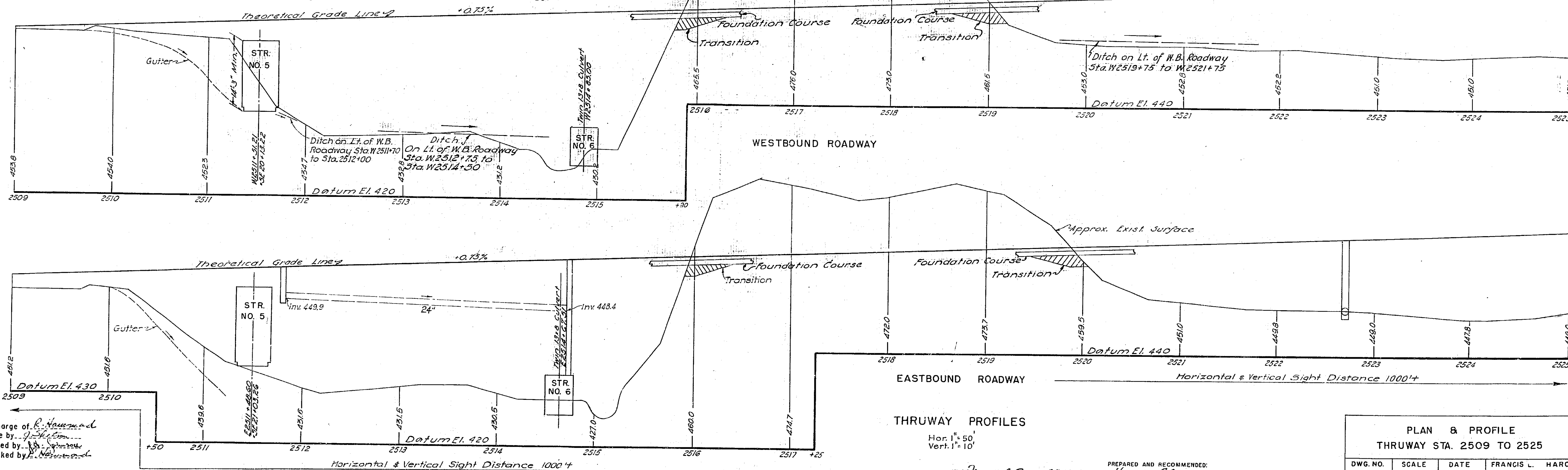
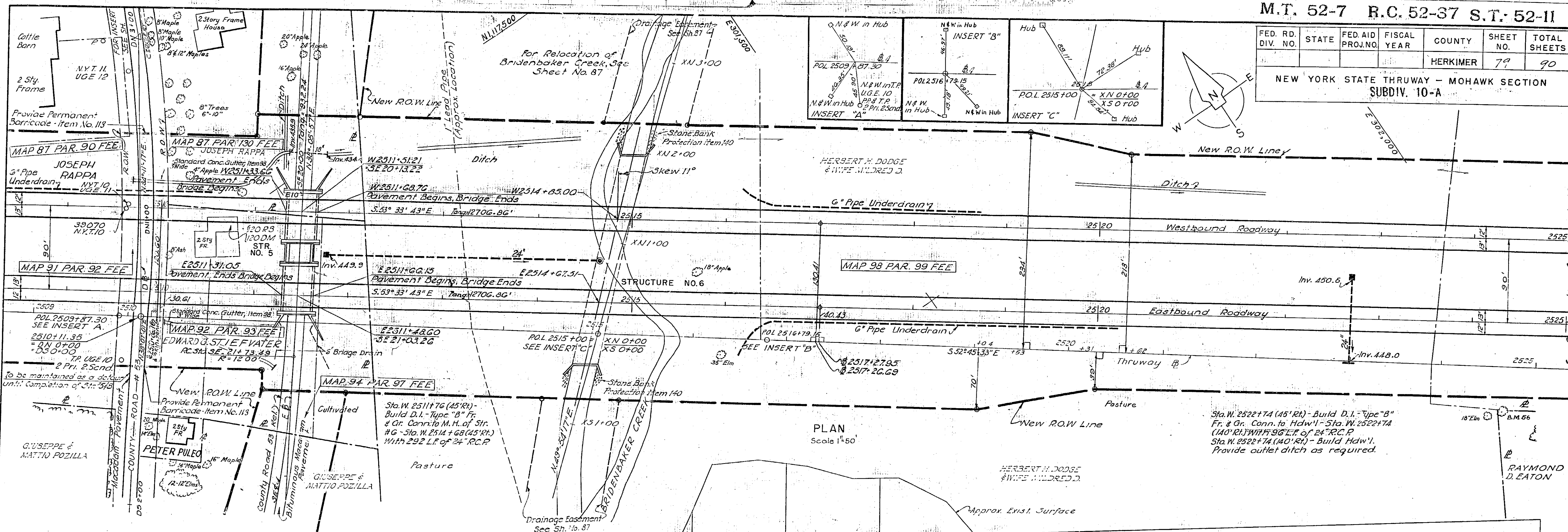
PLAN & PROFILE
 THRUWAY STA. 2493 TO 2509

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-5-69	As Noted	4-1-52	



FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	79	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



In charge of: R. H. H. H. H.
Made by: J. H. H. H. H.
Traced by: J. H. H. H. H.
Checked by: J. H. H. H. H.

THRUWAY PROFILES

Hor. 1"=50'
Vert. 1"=10'

PLAN & PROFILE
THRUWAY STA. 2509 TO 2525

PREPARED AND RECOMMENDED:
Francis L. Brown, P.E. 13144
Harold A. Blauevelt, N.Y.S.P.E. LIC. NO. 19032, DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUEVELT CONSULTING ENGINEERS

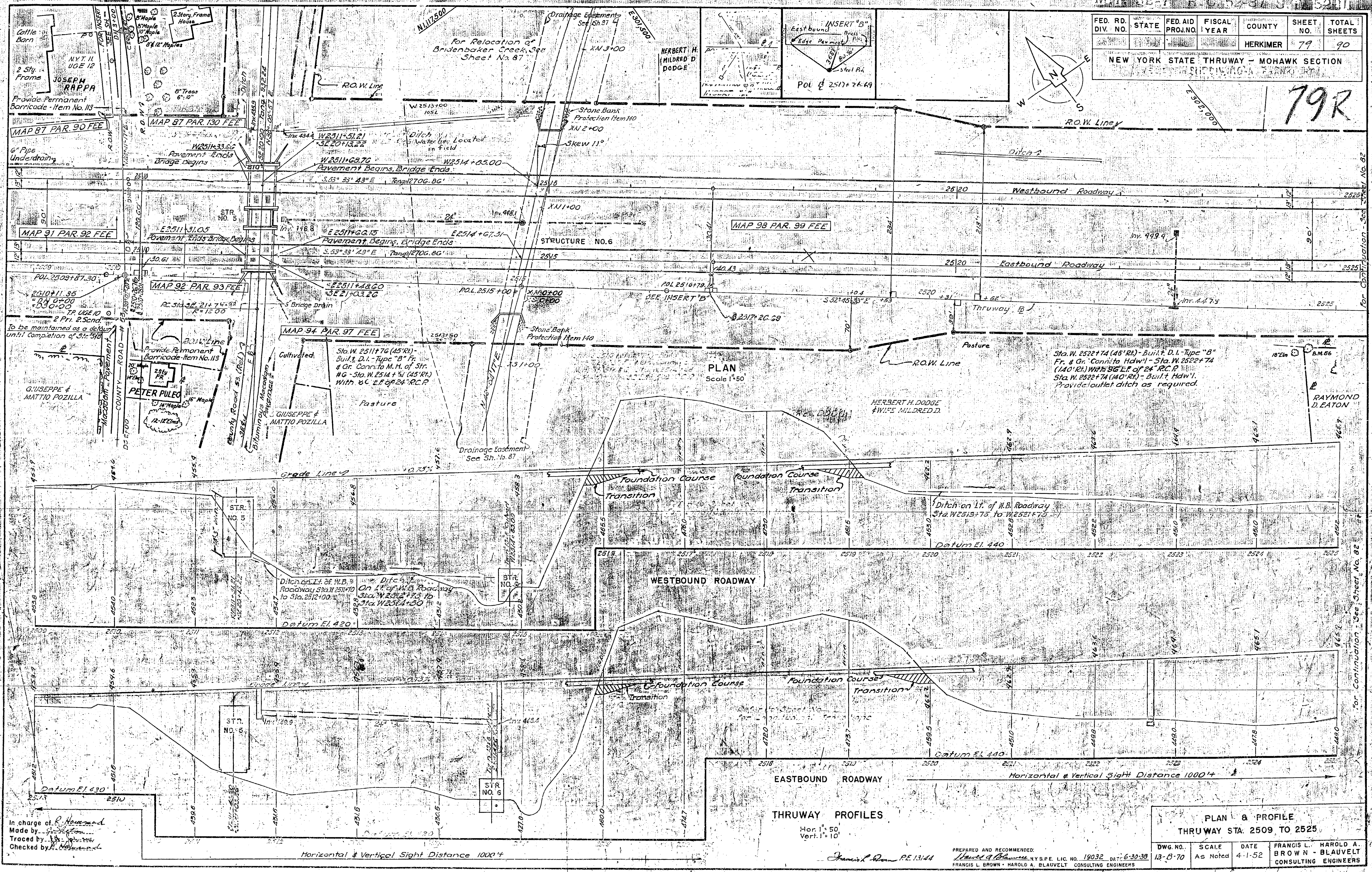
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUEVELT CONSULTING ENGINEERS
13-5-70	As Noted	4-1-52	

For Continuation - See Sheet No. 82

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
	NY			HERKIMER	79	90

NEW YORK STATE THRUWAY - MOHAWK SECTION

79R



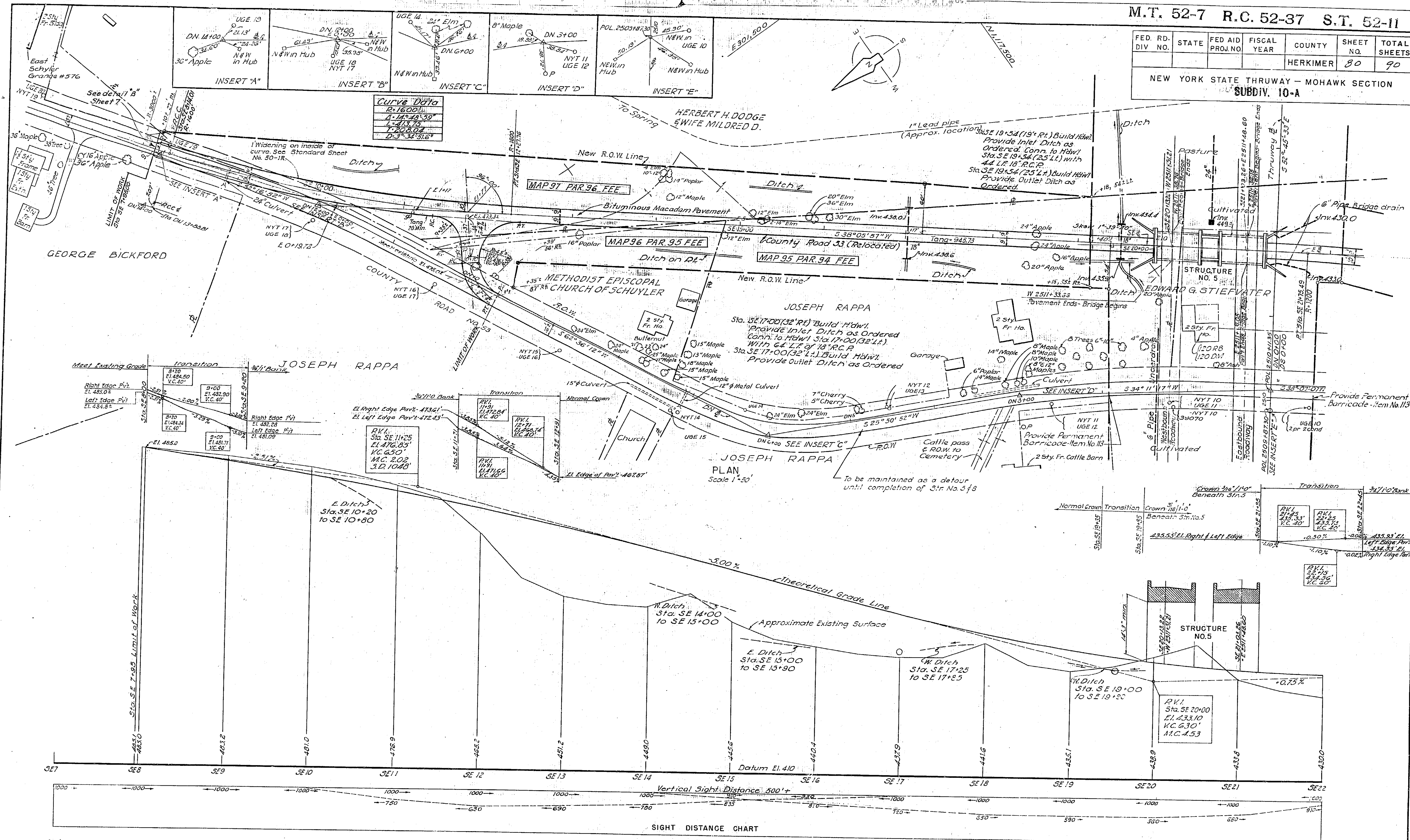
In charge of R. Howard
Made by J. S. Brown
Traced by J. S. Brown
Checked by J. S. Brown

PREPARED AND RECOMMENDED: <i>Francis L. Brown</i>	NY S.P.E. LIC. NO. 19032 DATE <i>6-30-38</i>
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS	

DWG. NO. <i>13-B-70</i>	SCALE As Noted	DATE <i>4-1-52</i>	FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS
----------------------------	-------------------	-----------------------	--

FED. RD. DIV. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	80	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



In charge of *P. Nauman*
Made by *E.K.*
Traced by *A. Speyer*
Checked by *J. Miller*

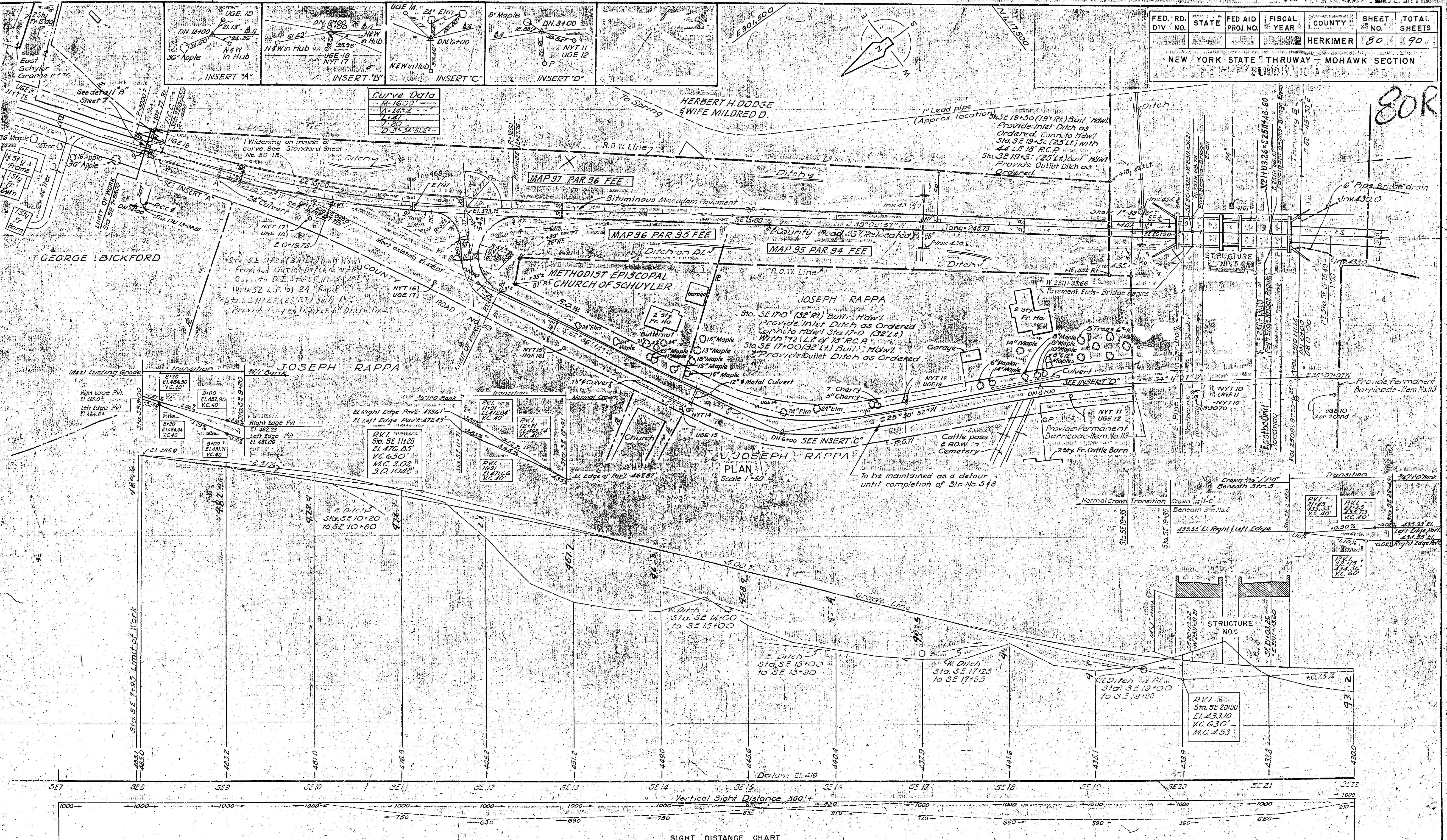
PROFILE
Hor. 1"=50'
Vert. 1"=10'

Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED
Harold A. Blauvelt N.Y.S.R.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE COUNTY ROAD 53 (RELOCATED) STA. SE 7+00 TO STA. SE 22+00			
DWG. NO.	SCALE	DATE	ENGINEER
13-B-71	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	80	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						



In charge of R. A. ...
Made by C. W. ...
Traced by ...
Checked by ...

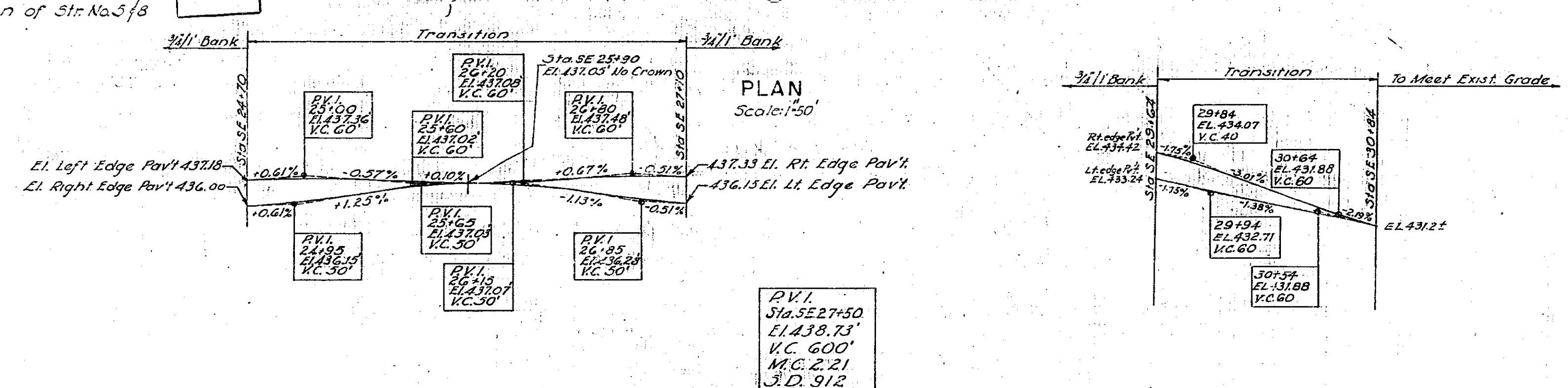
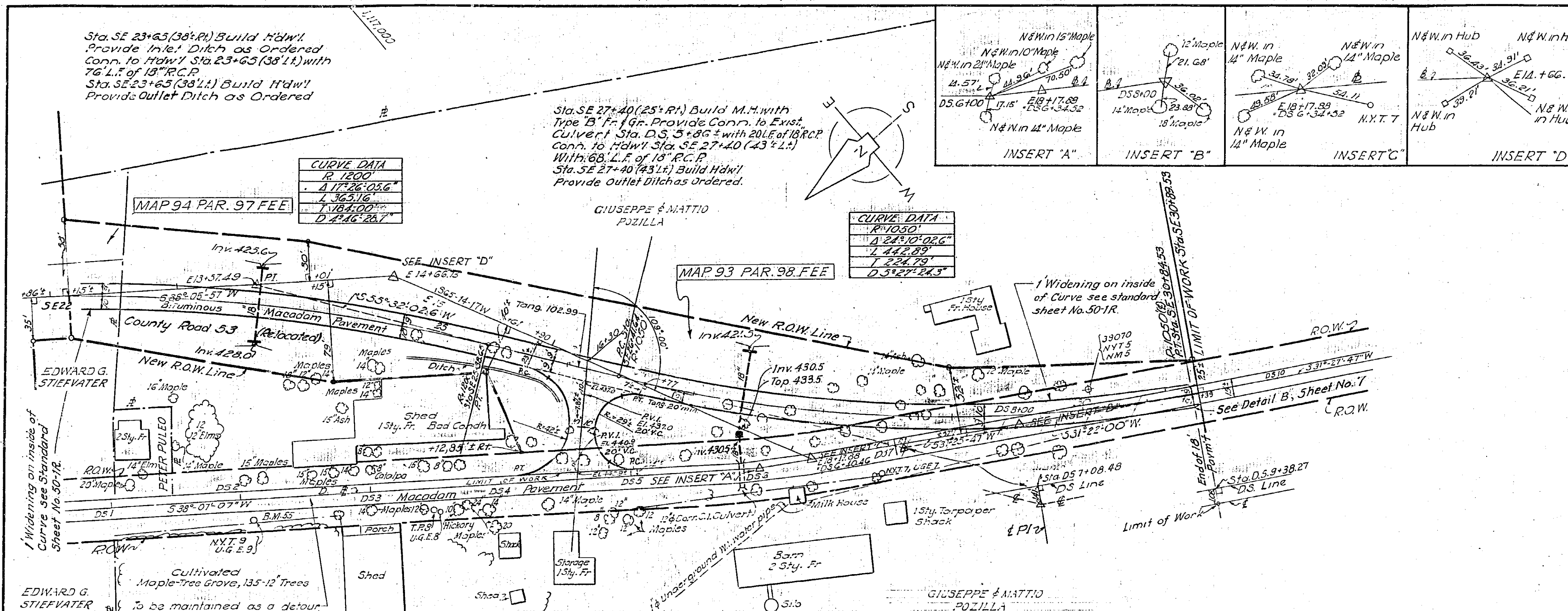
PROFILE
Hor. 1"=50'
Vert. 1"=10'

Francis L. Brown PE 1344

PREPARED AND RECOMMENDED
Francis L. Brown, N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE			
COUNTY ROAD 53 (RELOCATED)			
STA. SE 7+00 TO STA. SE 22+00			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-71	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	81	90
NEW YORK STATE THRUWAY — MOHAWK SECTION						
SUBDIV. 10-A						



SIGHT DISTANCE CHART

PROFILE
Hor: 1"=50'
Vert: 1"=10'

Indicates existing pavement to be removed from Sta. D.S. 7+05 to Sta. D.S. 9+33 (End of 18' pavement)

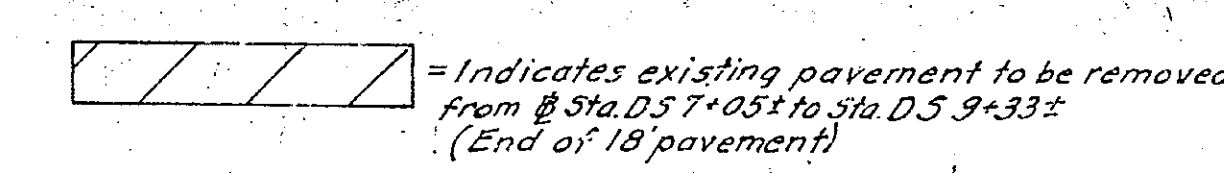
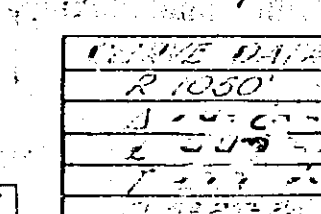
In charge of *P. N. N. N.*
Made by *E. H. E. K.*
Traced by *A. H. A.*
Checked by *J. S. S.*

Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE			
COUNTY ROAD 53 (RELOCATED)			
STA. SE 22+00 TO SE 31+00			
DWG. NO.	SCALE	DATE	ENGINEER
13-B-72	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

Sta. SE 23-65 (38° Pt) Buil't Hdwl.
Provide Inlet Ditch as Ordered
Conn'to Hdwl't Sta. 23-65 (38° Lt) with
76" L.F. of 18" R.C.P.
Sta. SE 23-65 (38° Pt) Buil't Hdwl.
Provide Outlet Ditch as Ordered



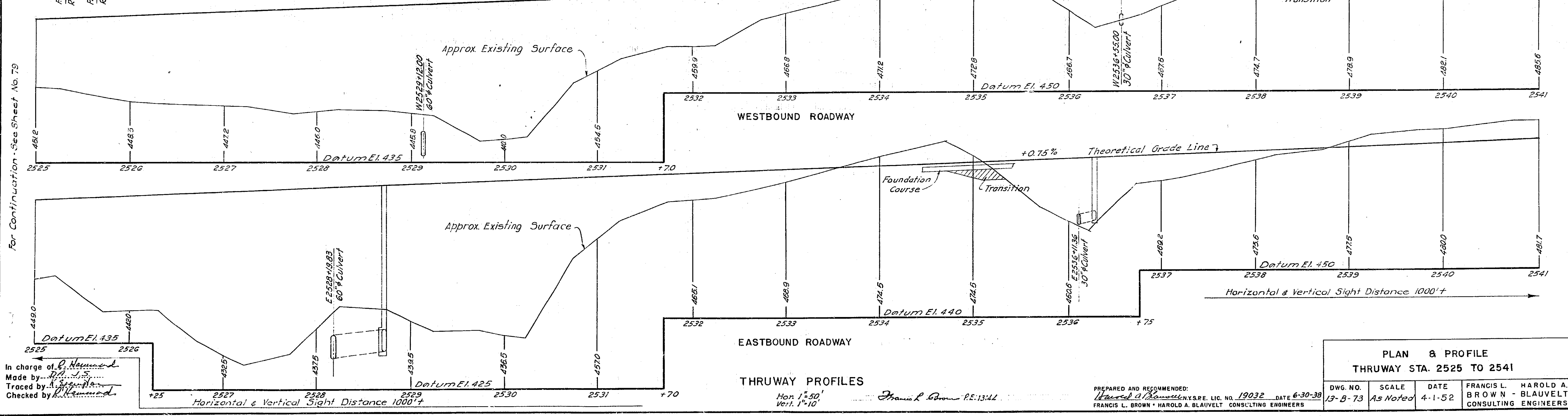
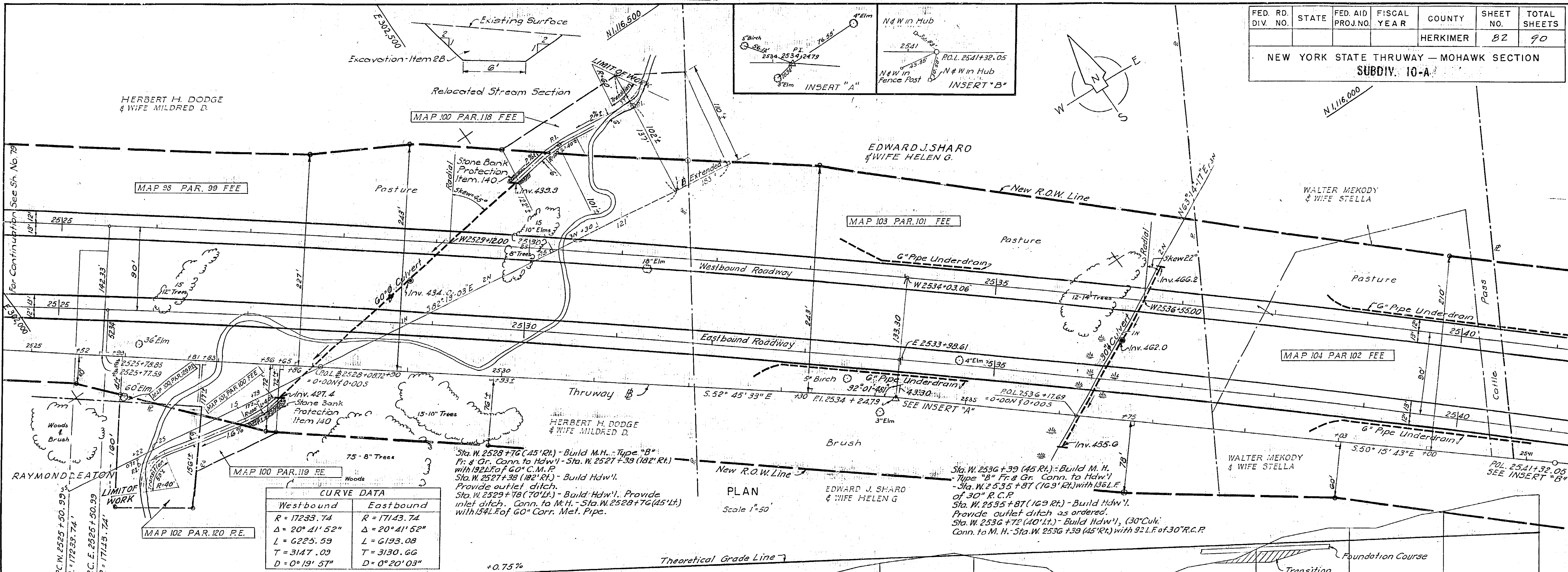
Francis L. Brown P.E. 1314

PREPARED AND RECOMMENDED
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN • HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE COUNTY ROAD 53 (TO LOCATED) STA. SE 22+00 TO SE 31+00		
DWG. NO.	SCALE	DATE
13-B-72	As Noted	4-1-52
FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS		

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	82	90

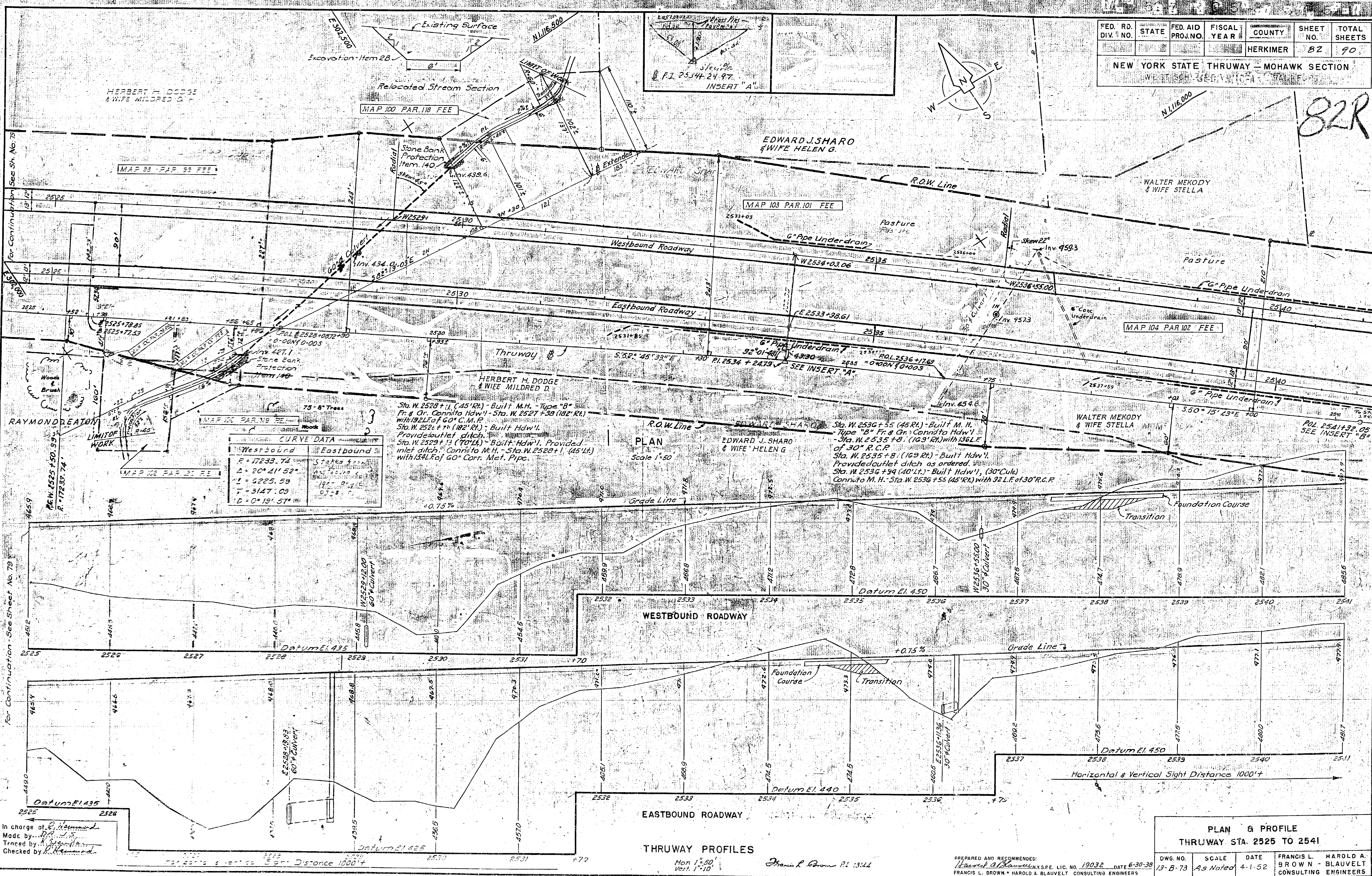
NEW YORK STATE THRUWAY — MOHAWK SECTION
SUBDIV. 10-A



In charge of *R. Hammond*
Made by *R. Hammond*
Traced by *R. Hammond*
Checked by *R. Hammond*

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	82	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						

82R



For Continuation - See Sheet No. 79

In charge of *P. H. Brown*
Made by *P. H. Brown*
Traced by *P. H. Brown*
Checked by *P. H. Brown*

THRUWAY PROFILES

Hor 1"=50'
Vert 1"=10'

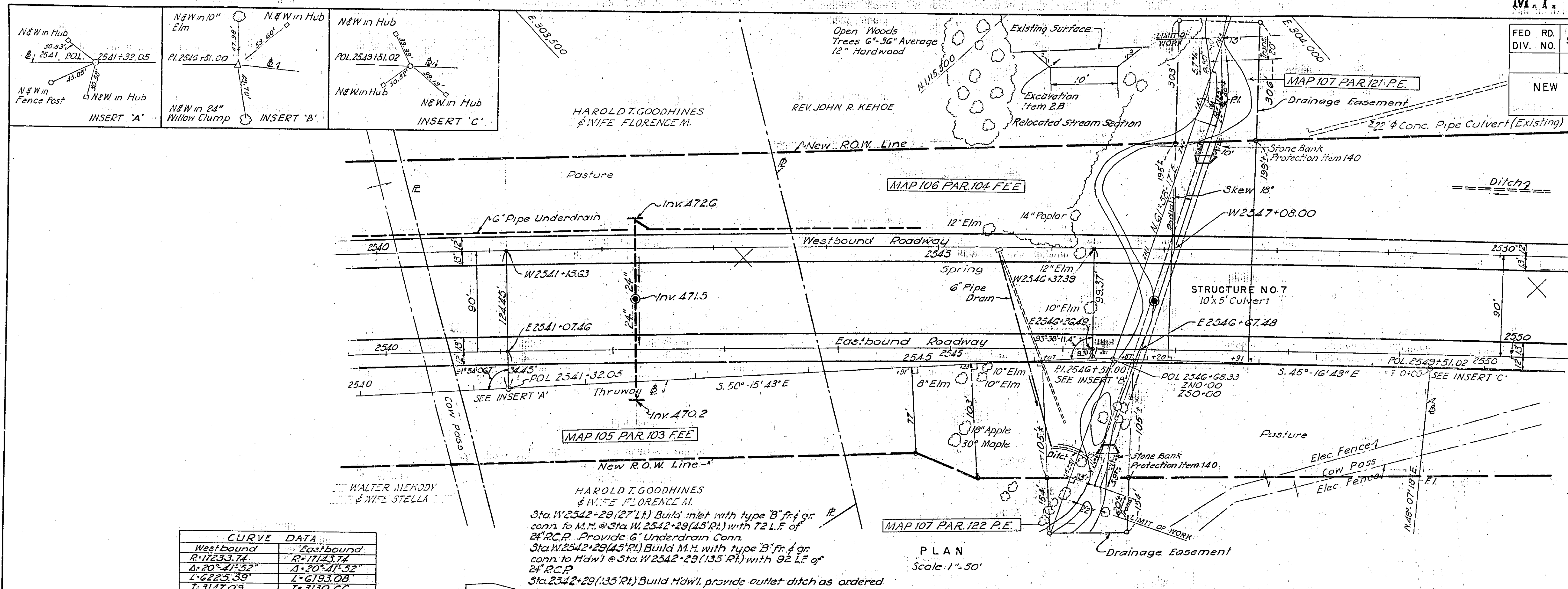
Francis L. Brown P.E. 1344

PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

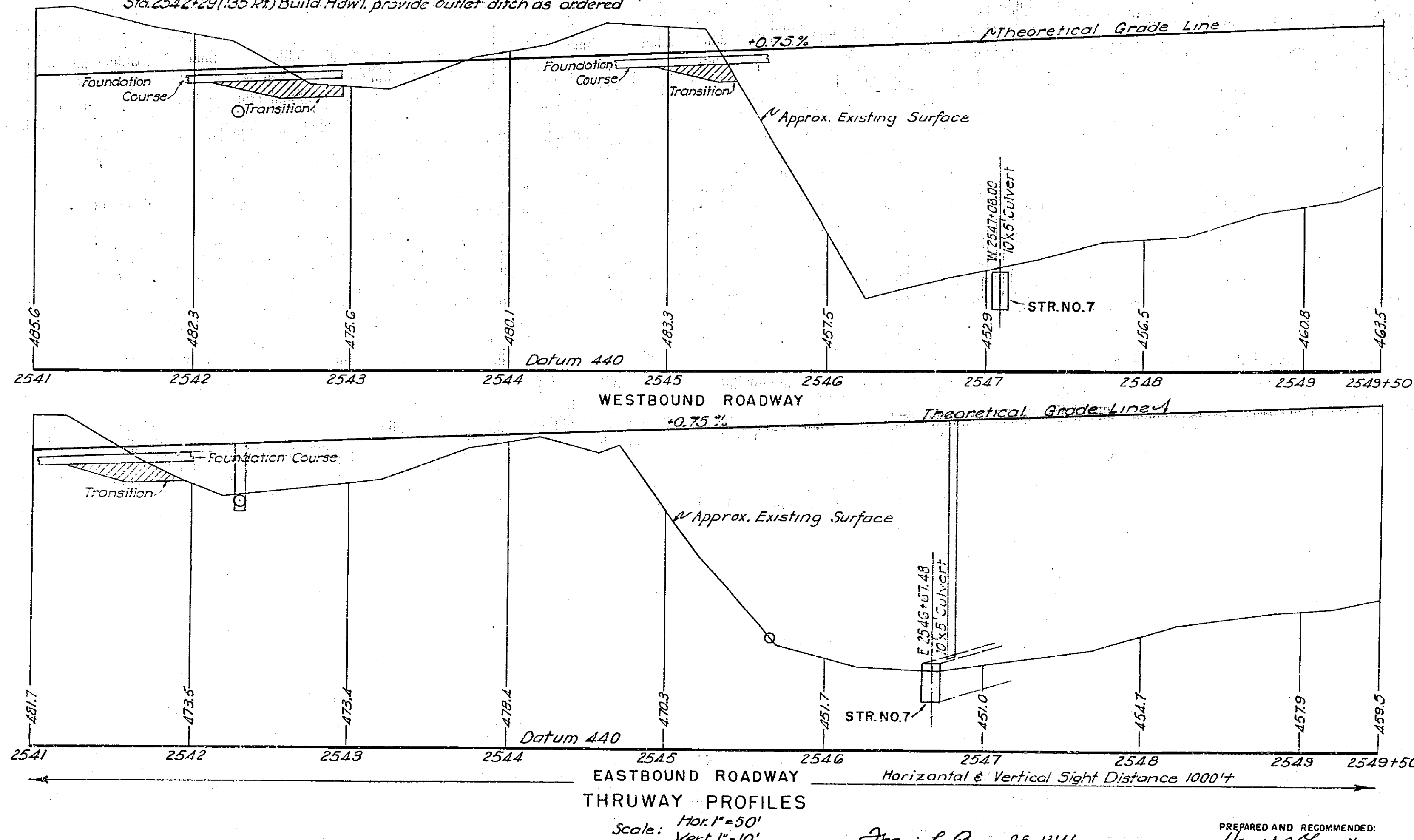
PLAN & PROFILE THRUWAY STA. 2525 TO 2541			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-73	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	83	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



CURVE DATA	
Westbound	Eastbound
R=17233.74	R=17143.74
Δ=20°41'52"	Δ=20°41'52"
L=6225.59	L=6193.08
T=3147.09	T=3130.66
D=0°19'37"	D=0°20'03"



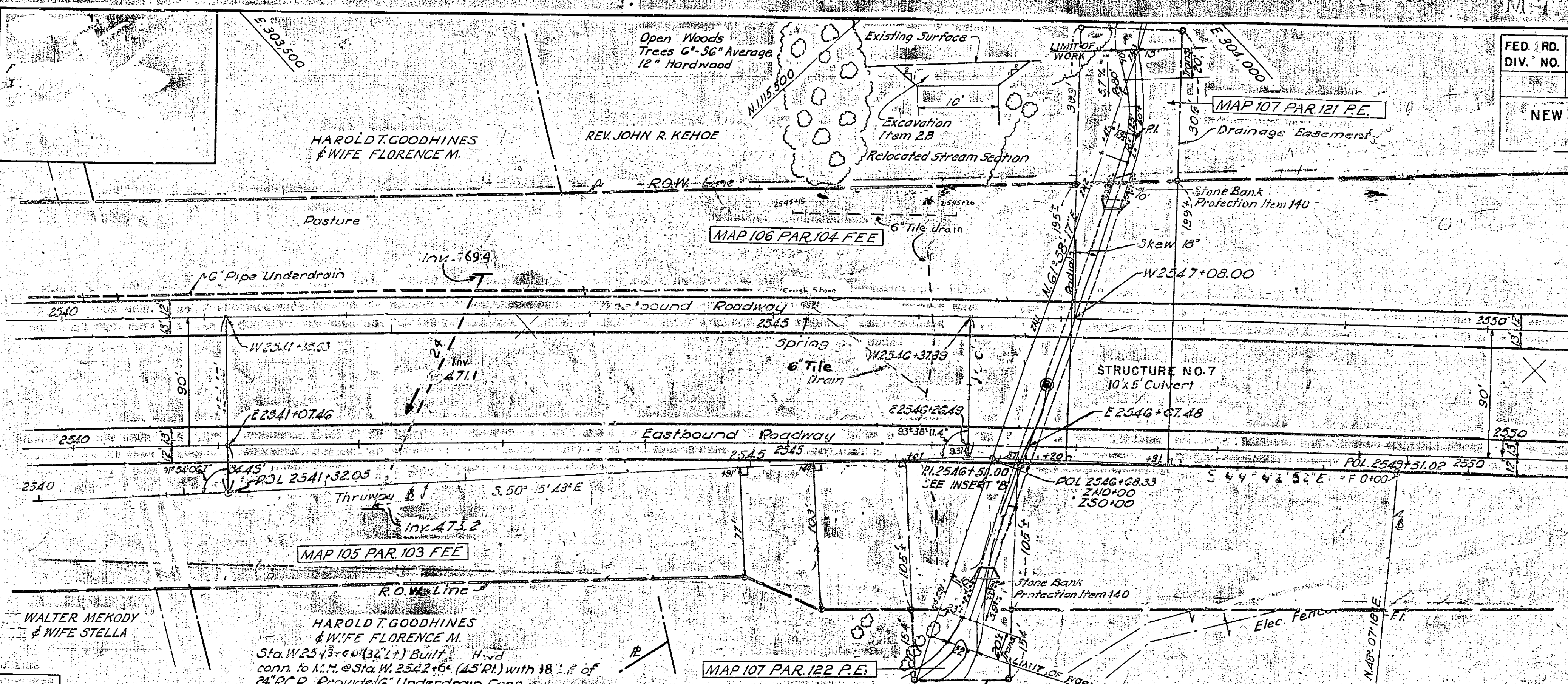
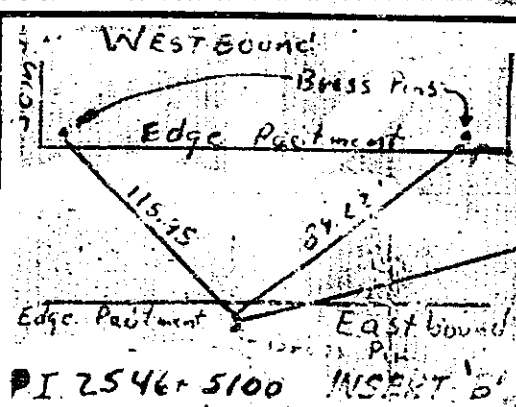
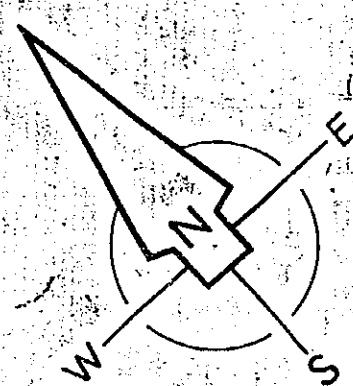
In charge of R. Hamm
Made by C.W. E.K.
Traced by V. Spengler
Checked by L.S. R.H.

Francis L. Brown RE. 13144

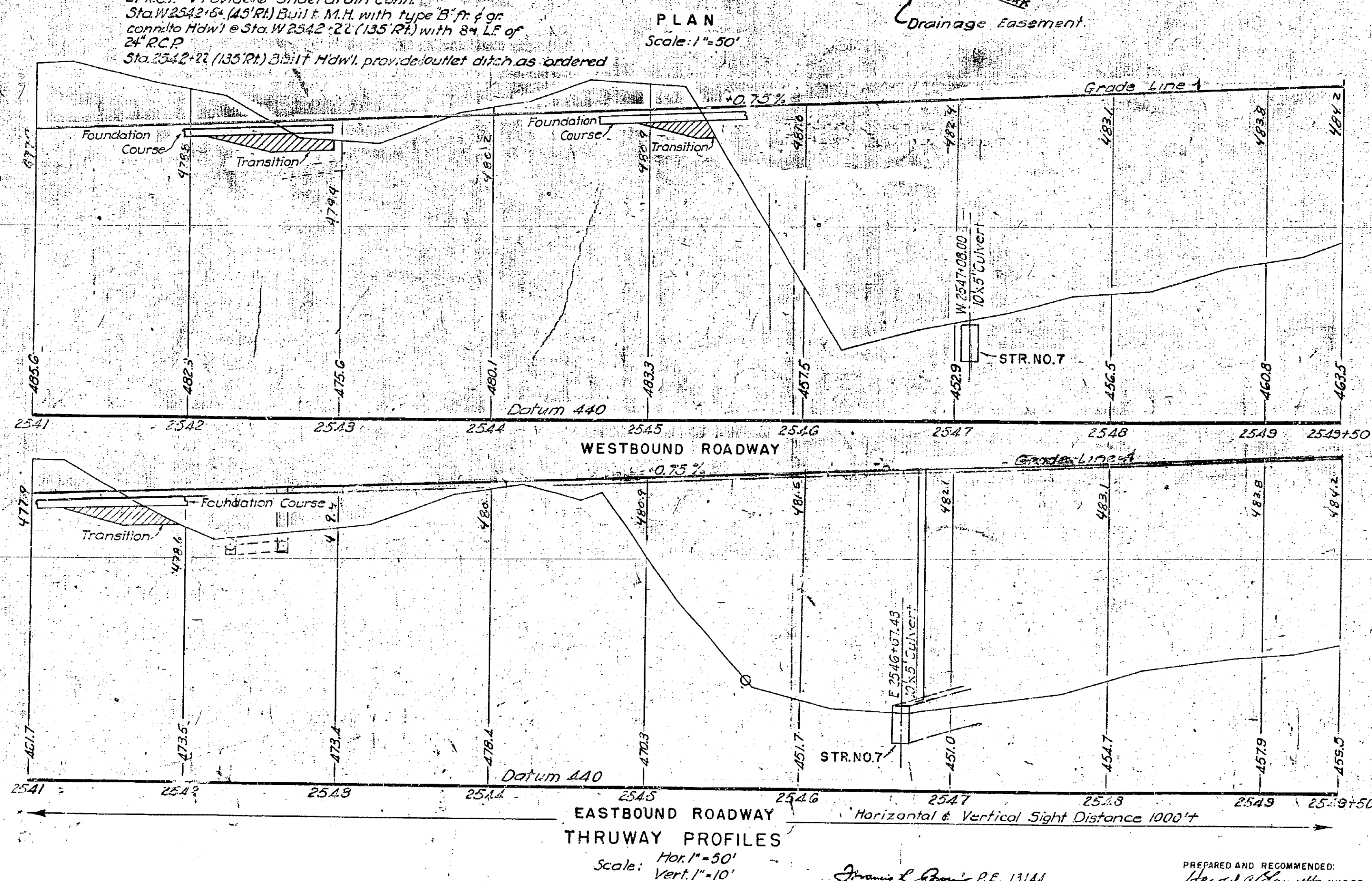
PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE THRUWAY STA. 2541 TO 2549+50					
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT	CONSULTING ENGINEERS
13-B-74	As Noted	4-1-52			

83R



CURVE DATA	
Westbound	Eastbound
R: 17233.74	Station Pts
Δ : 20° 41' 52"	Westbound
L: 6225.39	by right
T: 3147.09	angle off
D: 0° 19' 57"	



In charge of R. Hauman
Made by C.W. E.K.
Traced by N. Spingston
Checked by J.S. P.H.

EASTBOUND ROADWAY
THRUWAY PROFILES

Scale: Hor. 1" = 50'
Vert. 1" = 10'

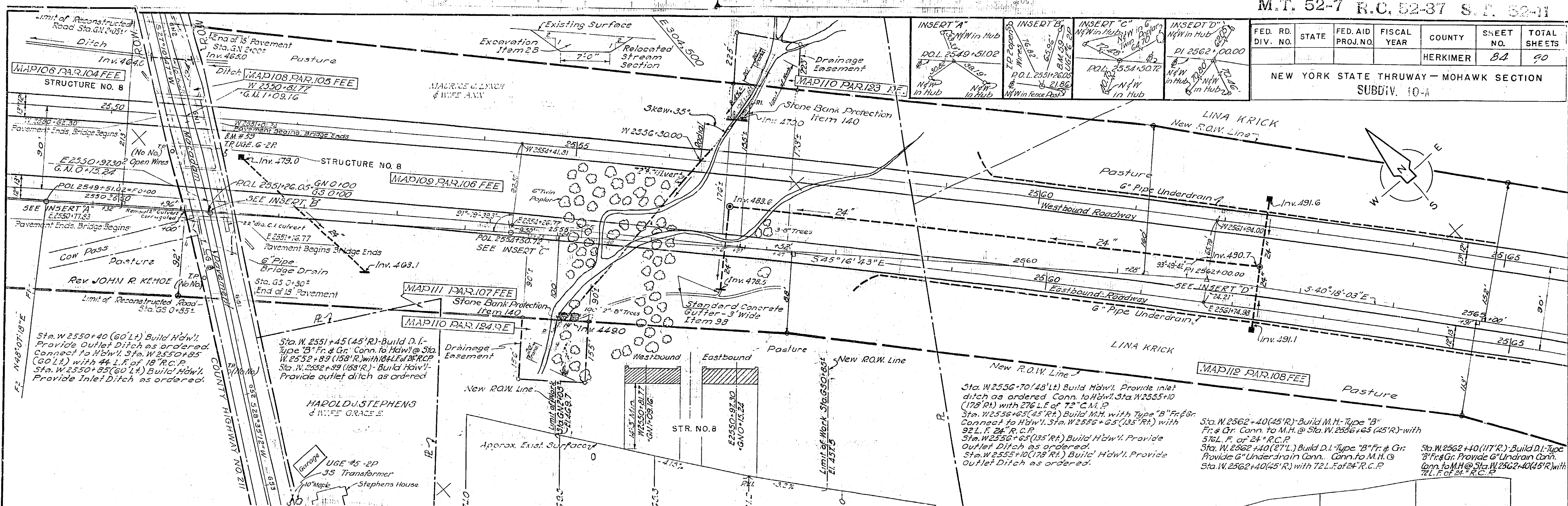
Francis L. Brown P.E. 13144

PREPARED AND RECOMMENDED:
Harold A. Blaauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN · HAROLD A. BLAAUVELT CONSULTING ENGINEERS

PLAN & PROFILE
THRUWAY STA. 2541 TO 2549+50

DWG. NO.	SCALE	DATE	FRANCIS L. HAROLD A.
13-B-74	As Noted	4-1-52	BROWN - BLAUVELT CONSULTING ENGINEERS

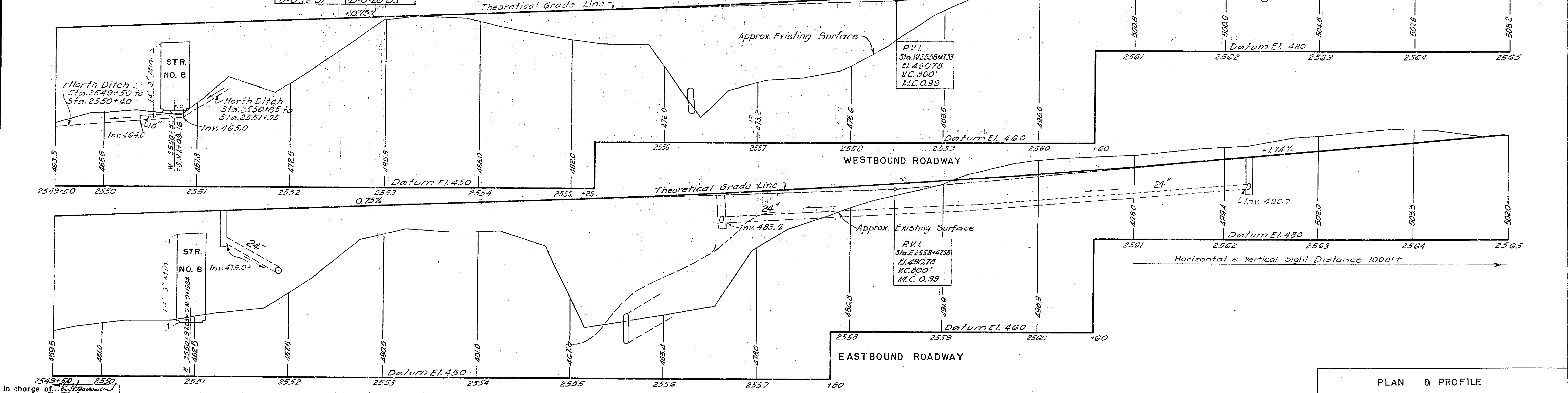
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	84	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						



CURVE DATA

Westbound	Eastbound
R=17233.74	R=17143.74
L=20°41'52"	L=20°41'52"
L=6225.39	L=6193.08
L=3147.09	L=3130.66
D=0°19'57"	D=0°20'03"

PROFILE OF CO. RD. 211



THRUWAY PROFILES

In charge of *[Signature]*
 Made by *[Signature]*
 Traced by *[Signature]*
 Checked by *[Signature]*

Francis L. Brown P.E. 13144

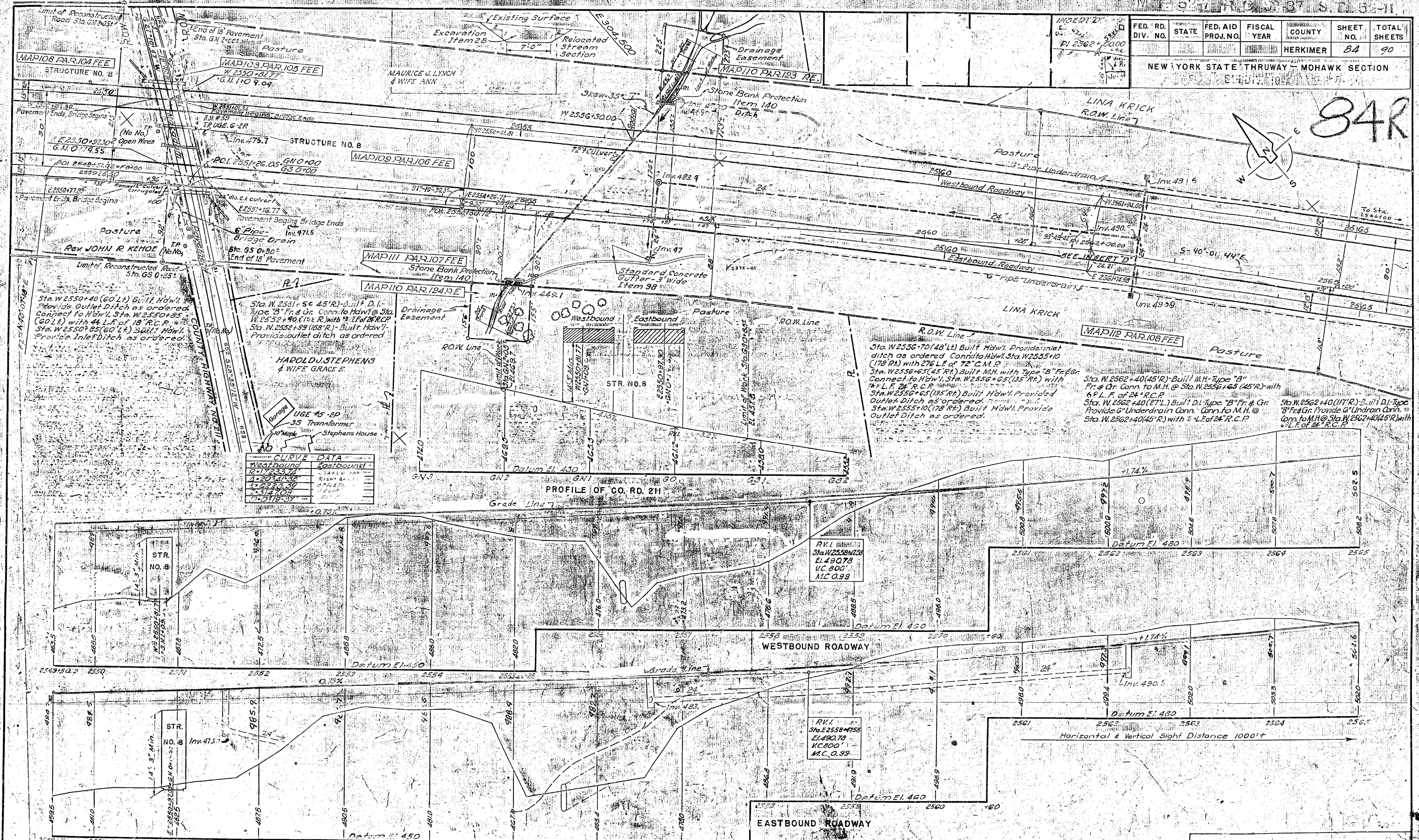
PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE			
THRUWAY STA. 2549+50 TO 2565			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-75	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	84	90

NEW YORK STATE THRUWAY - MOHAWK SECTION

84R



CURVE DATA

Westbound	Eastbound
2549+50.3	2550+00.0
1-14.5' Min	1-14.5' Min
1-25.5' Min	1-25.5' Min
1-31.4' Min	1-31.4' Min
1-31.4' Min	1-31.4' Min
1-31.4' Min	1-31.4' Min
1-31.4' Min	1-31.4' Min

R.V.I.
Sta. W. 2558+75.8
E.L. 490.78
V.C. 800'
M.C. 0.99

R.V.I.
Sta. E. 2558+75.8
E.L. 490.78
V.C. 800'
M.C. 0.99

THRUWAY PROFILES

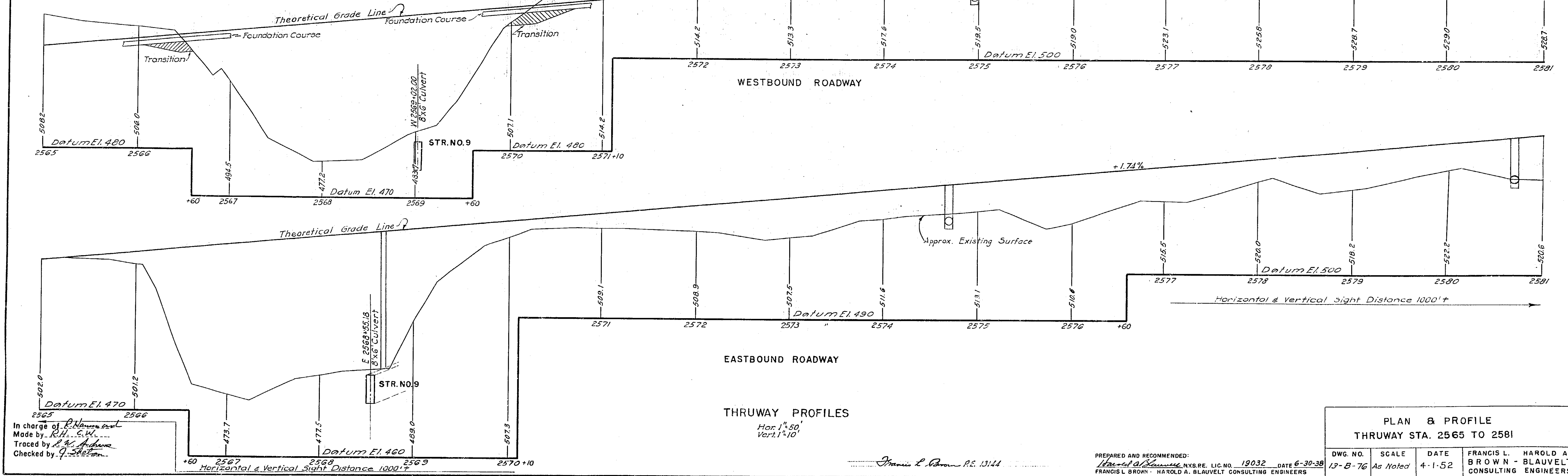
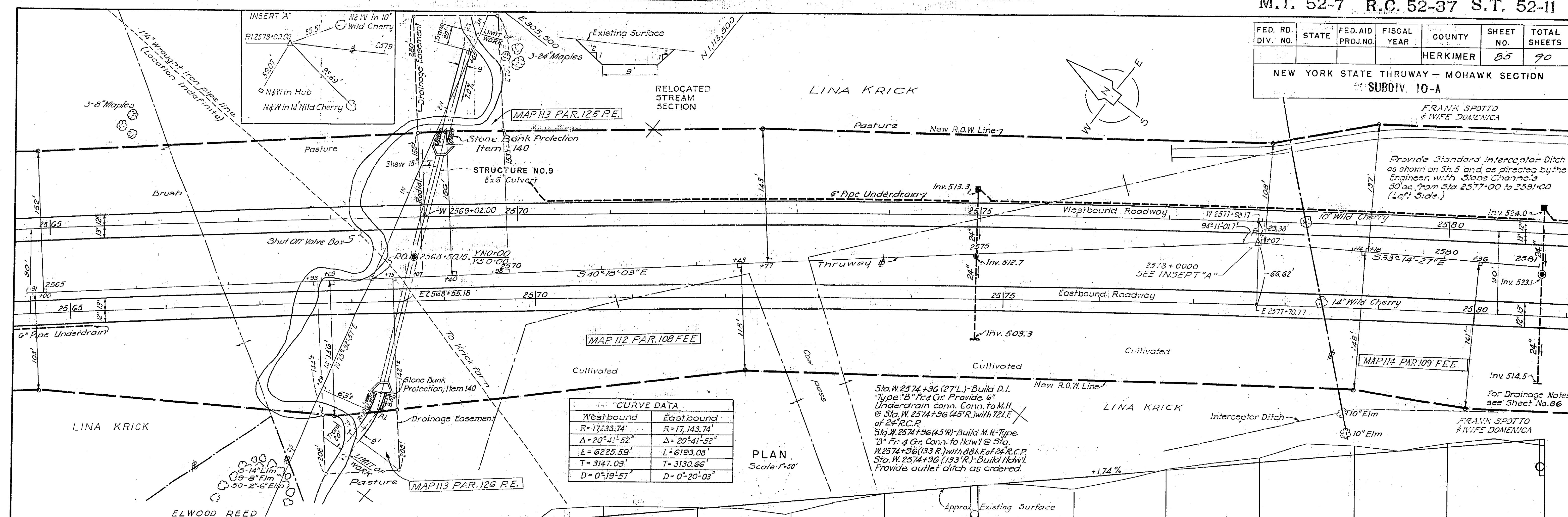
PLAN & PROFILE
THRUWAY STA. 2549+50 TO 2565

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13-B-75	As Noted	4-1-52	CONSULTING ENGINEERS	CONSULTING ENGINEERS

PREPARED AND RECOMMENDED:
Francis L. Brown, N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
Francis L. Brown & Harold A. Blauvelt Consulting Engineers

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	85	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



In charge of *R. H. C. W.*
Made by *R. H. C. W.*
Traced by *R. H. C. W.*
Checked by *R. H. C. W.*

Francis L. Brown P.E. 13144

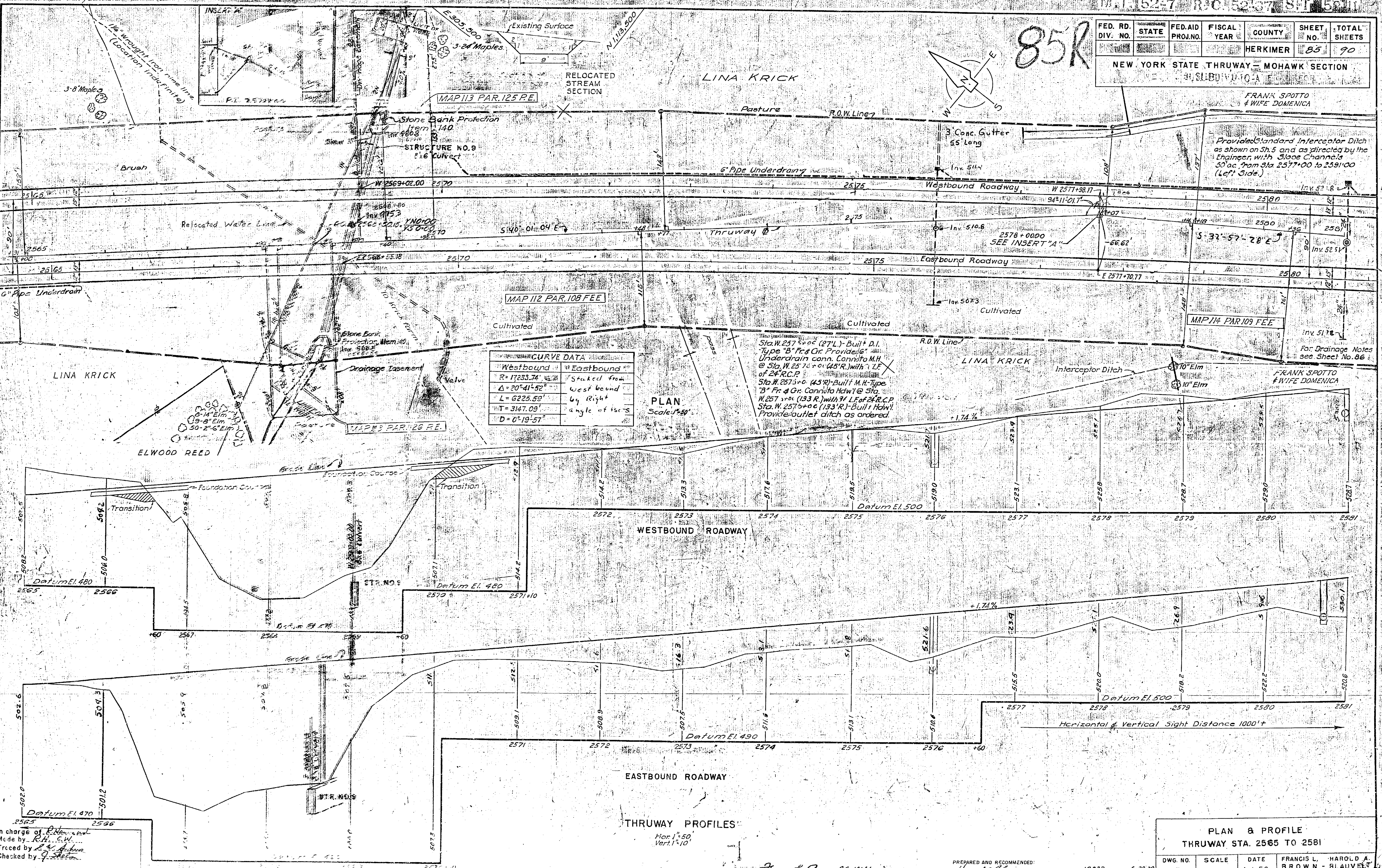
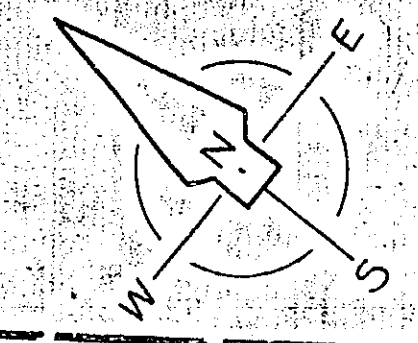
PREPARED AND RECOMMENDED:
Harold A. Blauvelt NYS P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE THRUWAY STA. 2565 TO 2581			
DWG. NO.	SCALE	DATE	ENGINEERS
13-B-76	As Noted	4-1-52	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	85	90

NEW YORK STATE THRUWAY MOHAWK SECTION

85R



CURVE DATA	
Westbound	Eastbound
R=17233.74'	Staked from Westbound by Right angle of isos
Δ=20°41'52"	
L=6225.59'	
T=3147.09'	
D=0°19'57"	

Sta. W. 257+00 (271') - Built D.I. Type "B" Fr. & Gr. Provided 16" Underdrain conn. Conduit M.H. @ Sta. W. 257+00 (45') with 1 LF of 24" R.C.P.
Sta. W. 257+00 (45') - Built M.H. Type "B" Fr. & Gr. Conduit M.H. @ Sta. W. 257+00 (133') with 1 LF of 24" R.C.P.
Sta. W. 257+00 (133') - Built M.H. Provide outlet ditch as ordered

Provided Standard Interceptor Ditch as shown on Sh. 5 and as directed by the Engineer, with Slope Channel's 50' ac. from Sta. 2577+00 to 2591+00 (Left Side)

For Drainage Notes see Sheet No. 86

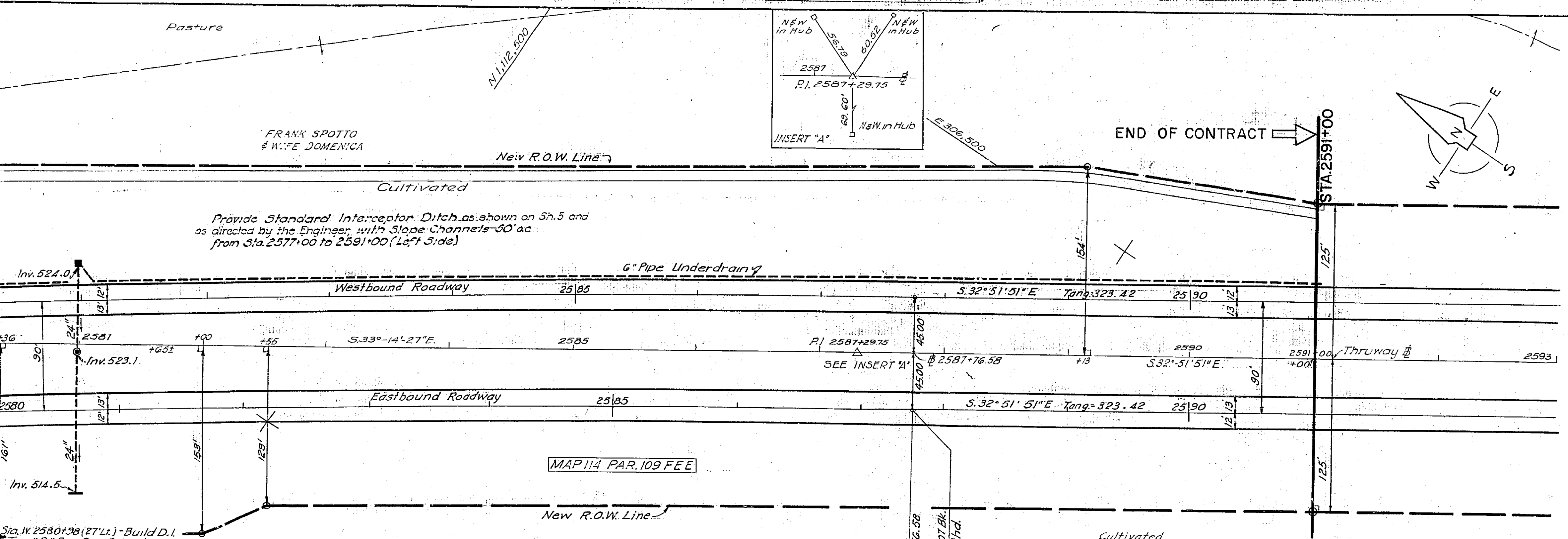
In charge of R. Brown
Made by R. Brown
Traced by L. M. Brown
Checked by J. Brown

PREPARED AND RECOMMENDED:
Harold A. Blauvelt, NYS P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

PLAN & PROFILE THRUWAY STA. 2565 TO 2581			
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-B-76	As Noted	4-1-52	

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	86	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A

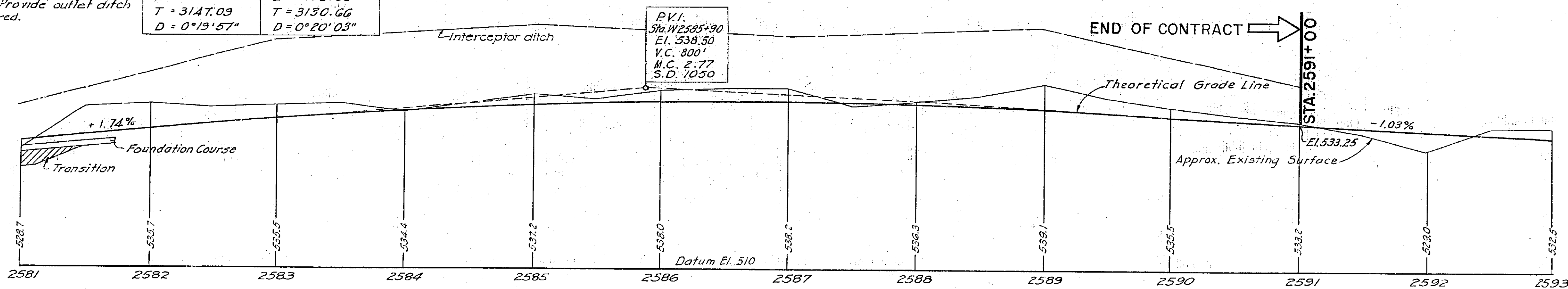


CURVE DATA

Westbound	Eastbound
R = 17233.74	R = 17143.74
$\Delta = 20^\circ 41' 52''$	$\Delta = 20^\circ 41' 52''$
L = 6225.59	L = 6193.08
T = 3147.03	T = 3130.66
D = 0° 13' 57"	D = 0° 20' 03"

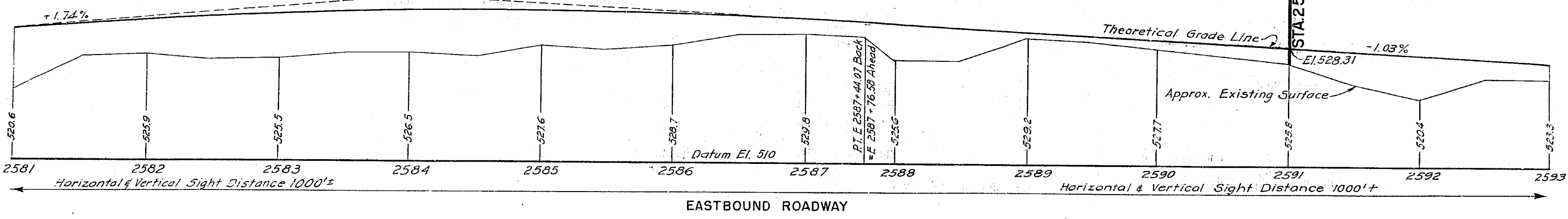
FRANK SPOTTO & WIFE DOMENICA

PLAN
Scale: 1" = 50'



P.V.I.
Sta. E 2584+00
El. 535.19
V.C. 800'
M.C. 2.77
S.D. 1050

WESTBOUND ROADWAY



EASTBOUND ROADWAY

THRUWAY PROFILES

Hor. 1" = 50'
Vert. 1" = 10'

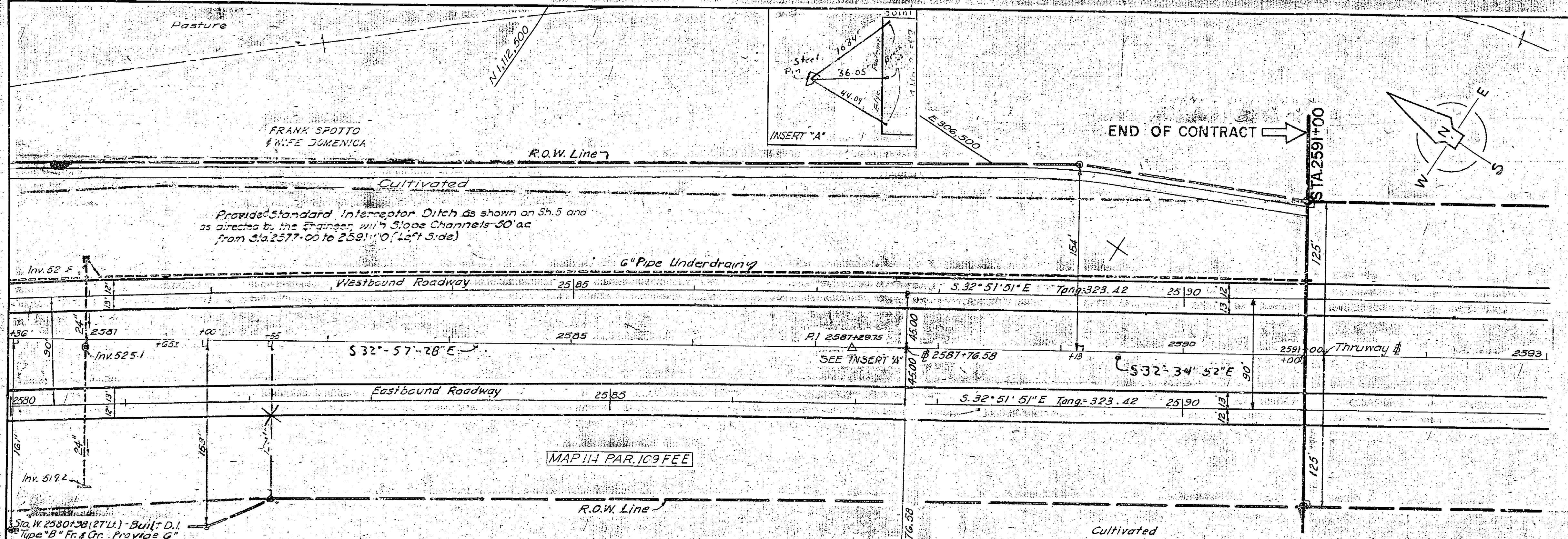
charge of P. H. H. and
made by S. W. E. H.
checked by J. H. H.

Francis L. Brown, P.E. 13144

PREPARED AND RECOMMENDED:
Francis L. Brown, P.E. 13144
DATE 6-30-38
CONSULTING ENGINEERS

PLAN & PROFILE THRUWAY STA. 2581 TO 2591					
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT	CONSULTING ENGINEERS
13-B-77	As Noted	4-1-52			

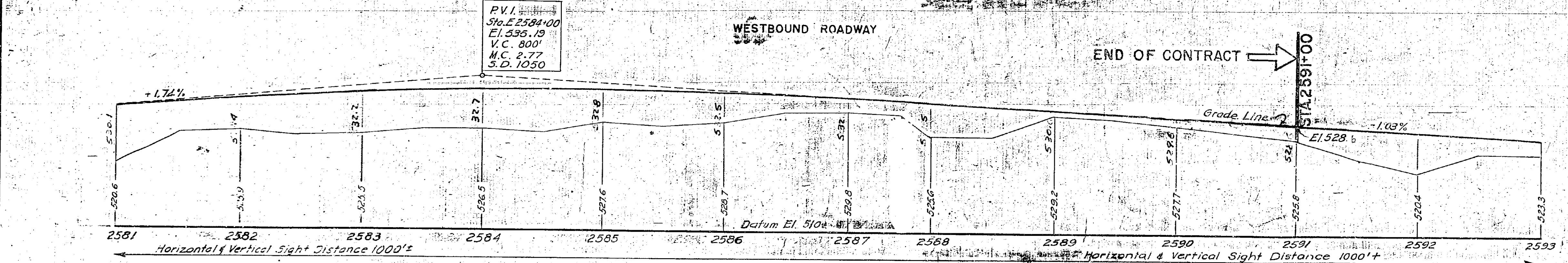
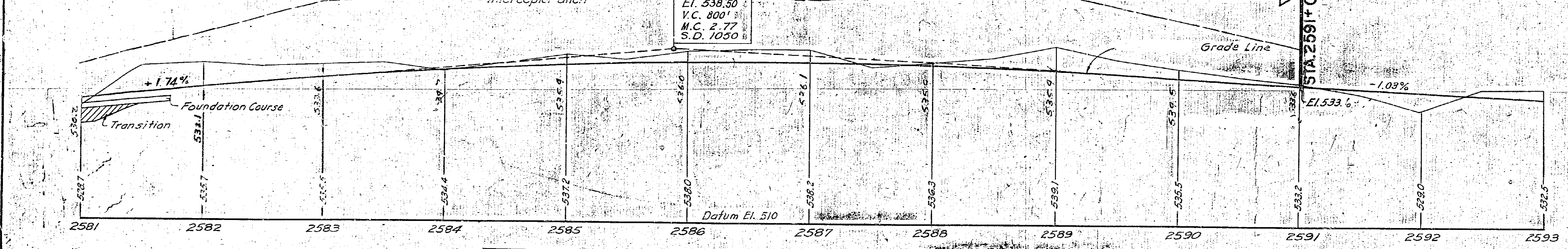
86R



CURVE DATA	
Westbound	Eastbound
R = 17233.74	Staked from west bound by Right angle offsets
Δ = 20° 41' 52"	
L = 6225.55	
T = 3147.03	
D = 0° 13' 57"	

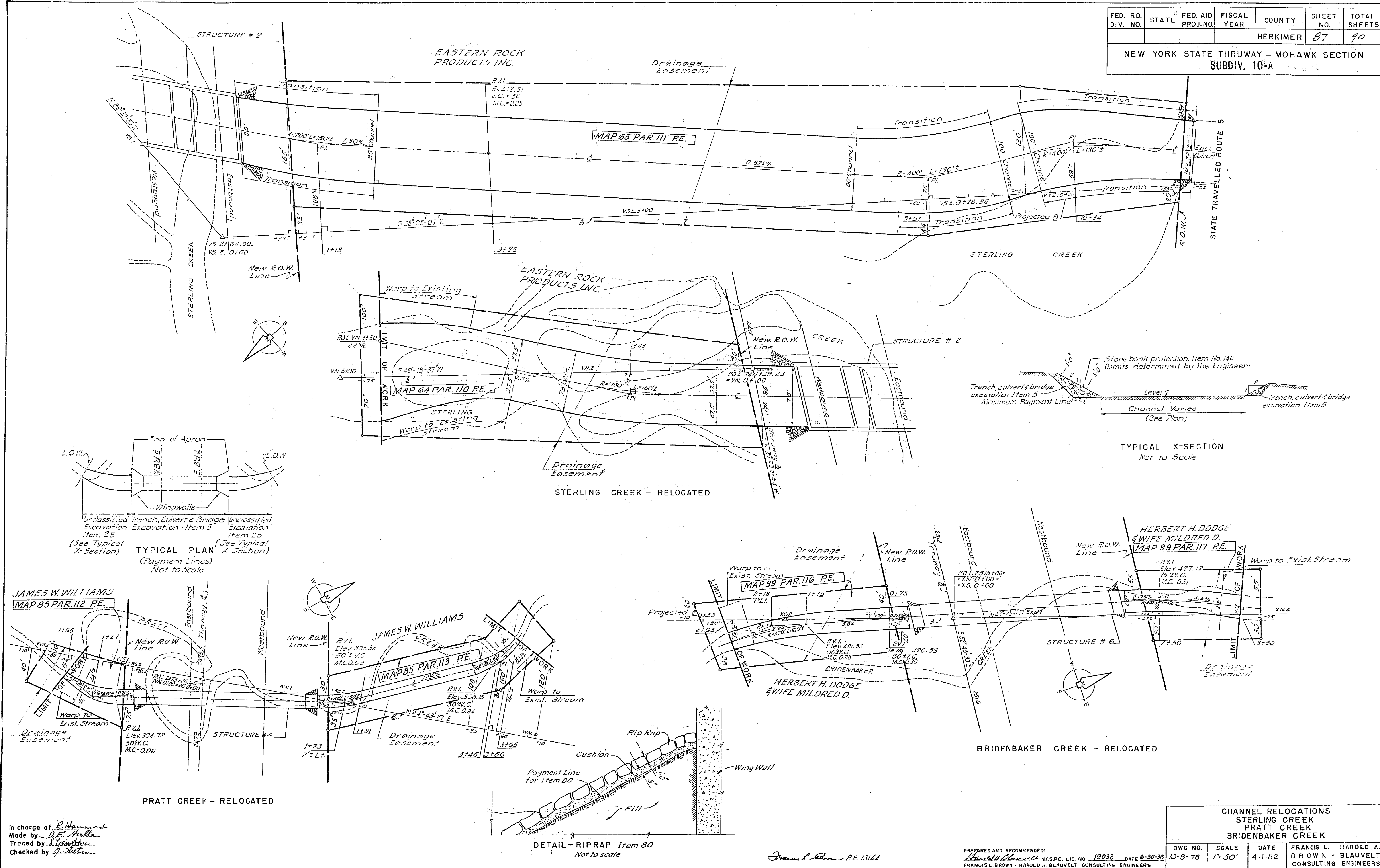
Sta. W 2580+98 (27' Lt.) - Built D.I. Type "B" Fr. & Gr. Provide 6" Underdrain Conn. Conn. to M.H. Sta. W 2580+98 (47' Rt.) with 1.5' of 24" R.C.P.
 Sta. W 2580+98 (47' Rt.) - Built M.H. Type "B" Fr. & Gr. Conn. to Hdwl. - Sta. W 2580+98 (131' Rt.) with 1.5' of 24" R.C.P.
 Sta. W 2580+98 (131' Rt.) - Built Hdwl. Provide outlet ditch as required.


INTERCEPTOR DITCH
 FRANK SPOTTO & WIFE DOMENICA
 PLAN Scale: 1" = 50'
 P.V.I. Sta. W 2585+90 El. 538.50 V.C. 800' M.C. 2.77 S.D. 1050'



THRUWAY PROFILES
 Hor. 1" = 50'
 Vert. 1" = 10'
 Horizontal & Vertical Sight Distance 1000'+
 In charge of R. H. Brown
 Made by C. W. Brown
 Traced by L. J. Brown
 Checked by L. J. Brown
 PREPARED AND RECOMMENDED:
 Francis L. Brown, N.Y.S.P.E. Lic. No. 19032, DATE 6-30-38
 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
 PLAN & PROFILE
 THRUWAY STA. 2581 TO 2591
 DWG. NO. 13-B-77 SCALE As Noted DATE 4-1-52 FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS

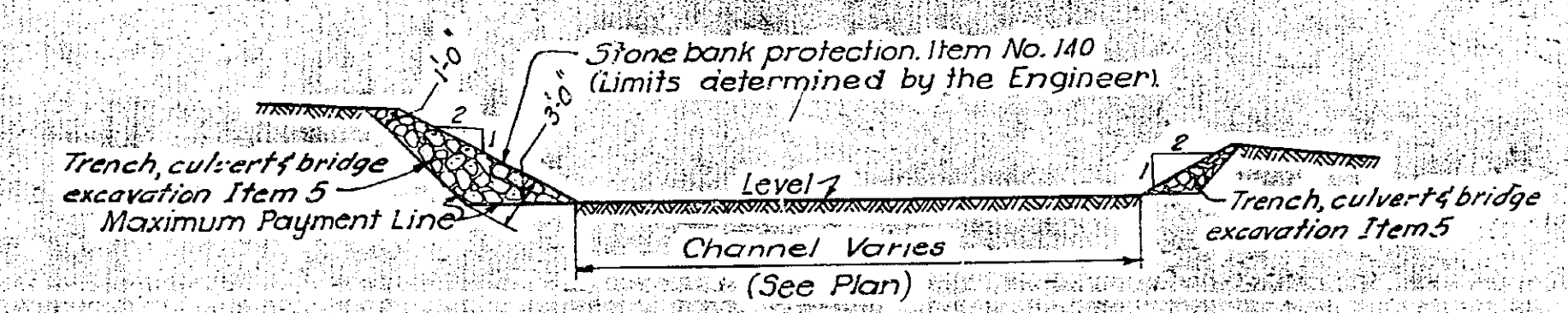
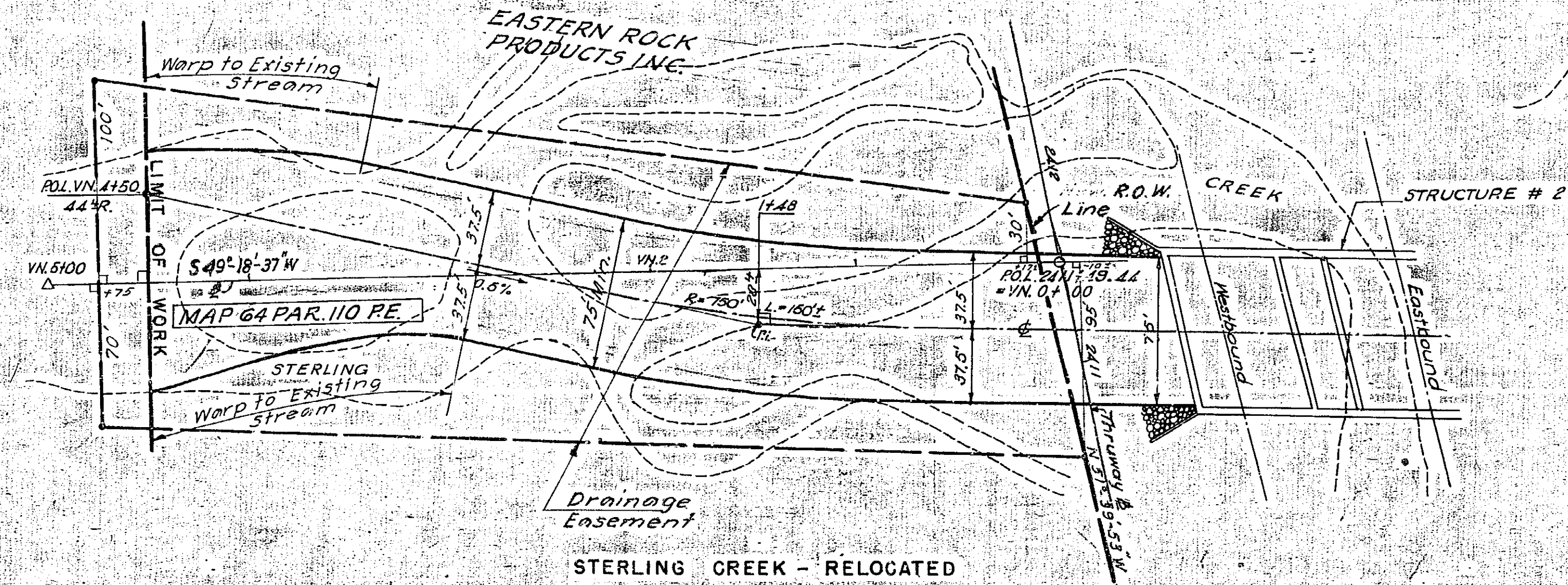
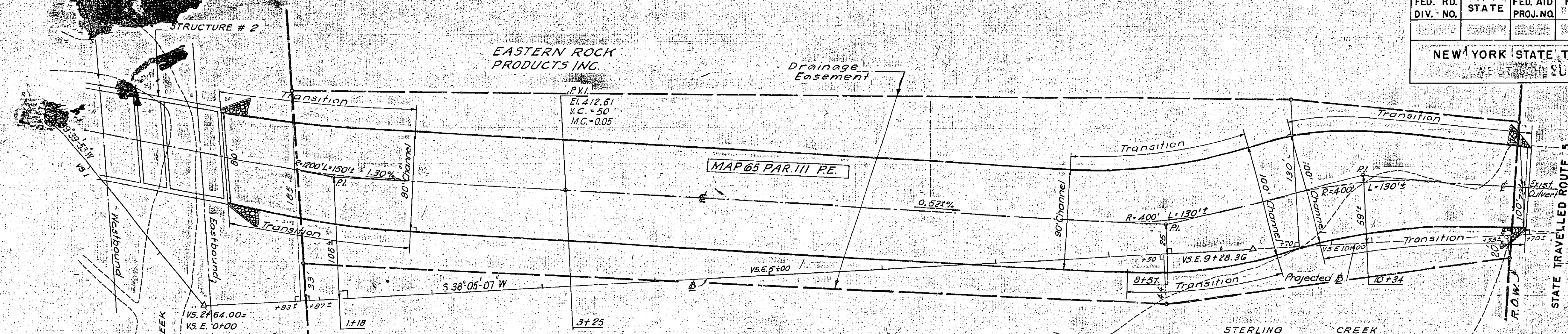
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	87	90
NEW YORK STATE THRUWAY - MOHAWK SECTION SUBDIV. 10-A						



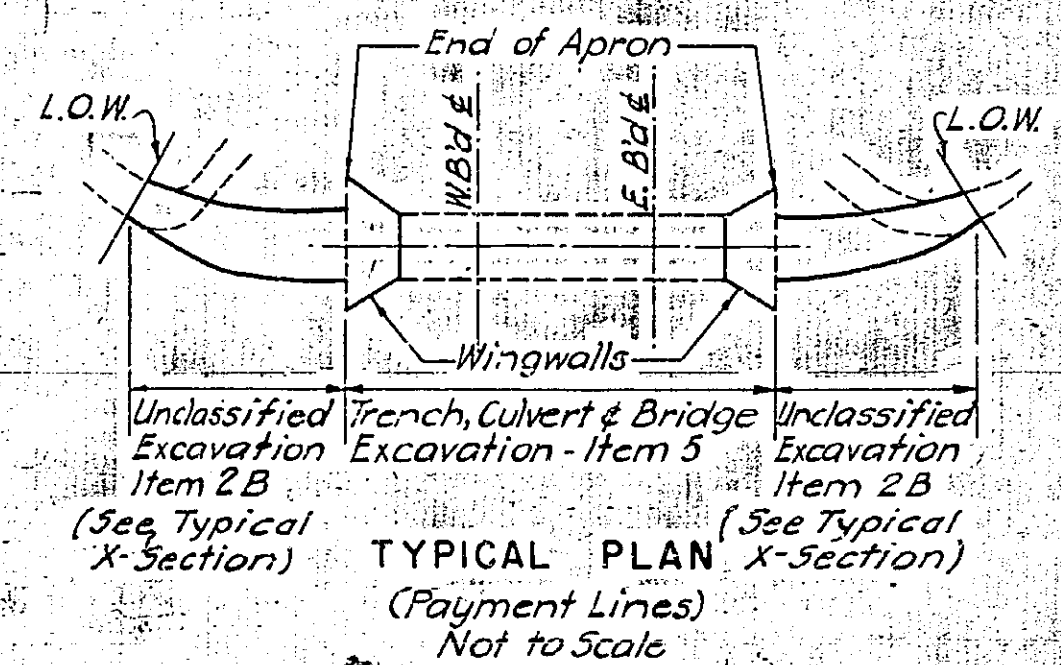
in charge of <u>P. H. Brown</u> Made by <u>H. F. Brown</u> Traced by <u>H. F. Brown</u> Checked by <u>J. L. Brown</u>			STUBBS CREEK PRATT CREEK BRIDENBAKER CREEK	
	DETAIL - RIPRAP Item 80 Not to scale		FRANCIS L. HAROLD A. BROWN - BLAUVELT CONSULTING ENGINEERS	
PREPARED AND RECOMMENDED BY: <u>Harold A. Brown</u> N.Y.S.P.E. LIG. NO. 19032 DATE 6-30-38 FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS		DWG NO. 13-B-78	SCALE 1" = 50'	DATE 4-1-52

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	87	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						

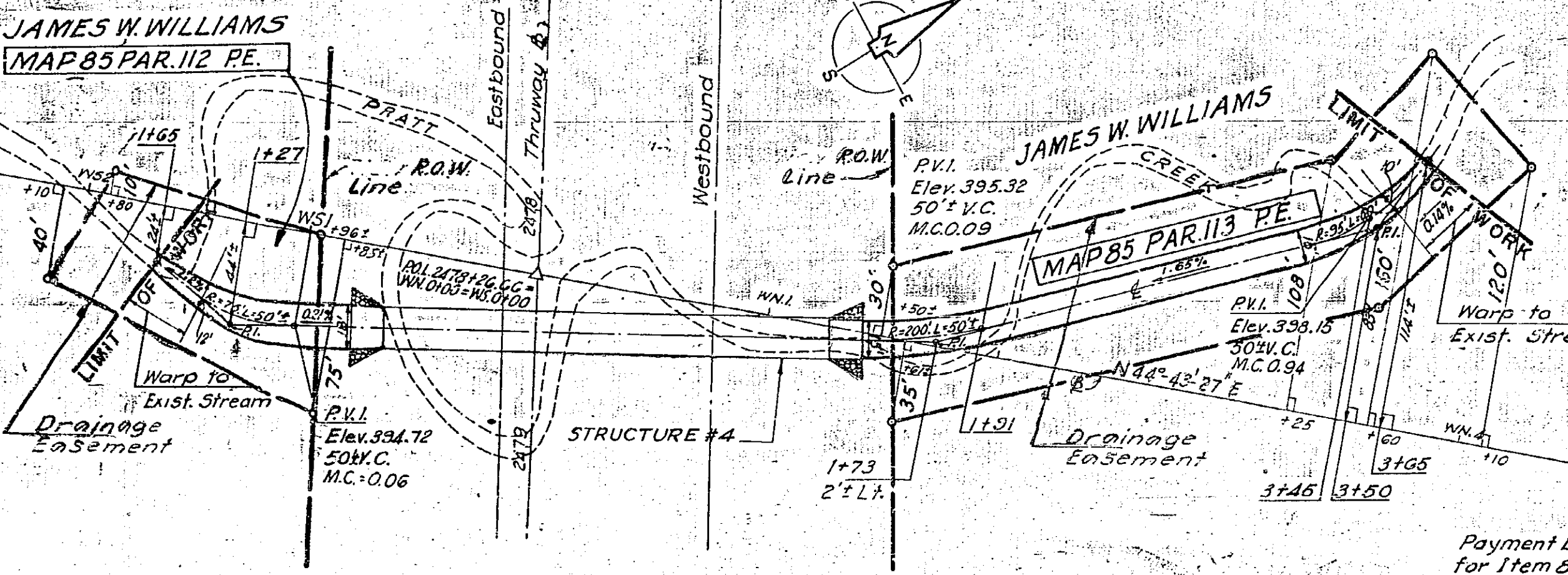
87R



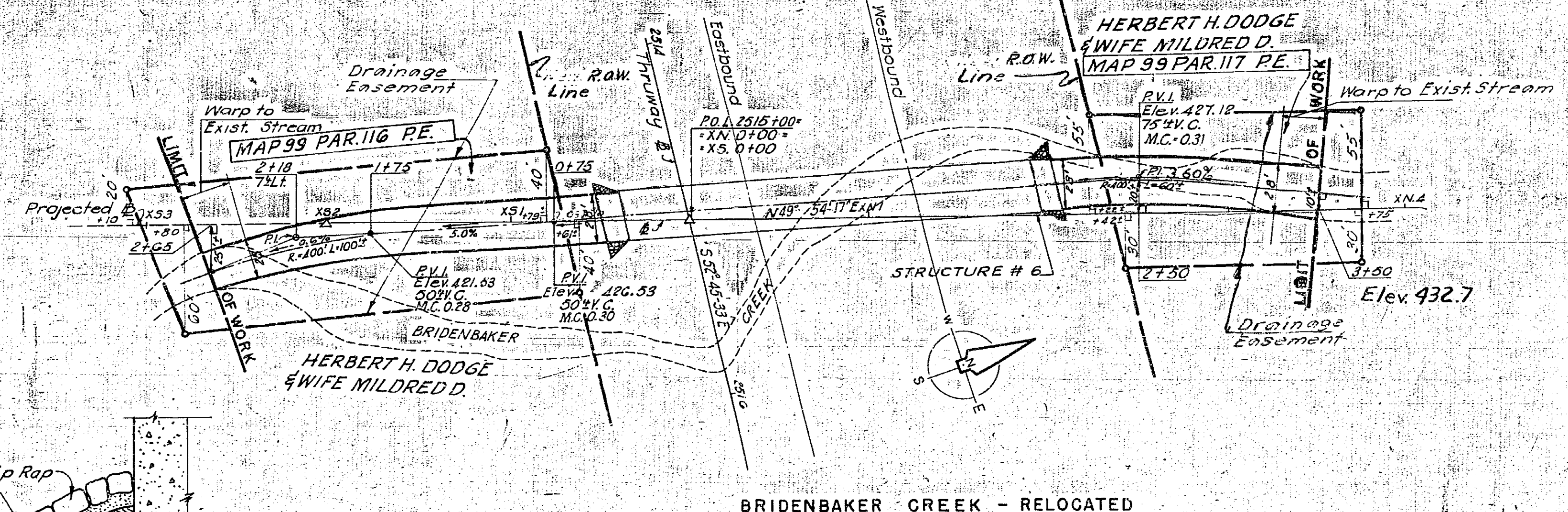
TYPICAL X-SECTION
Not to Scale



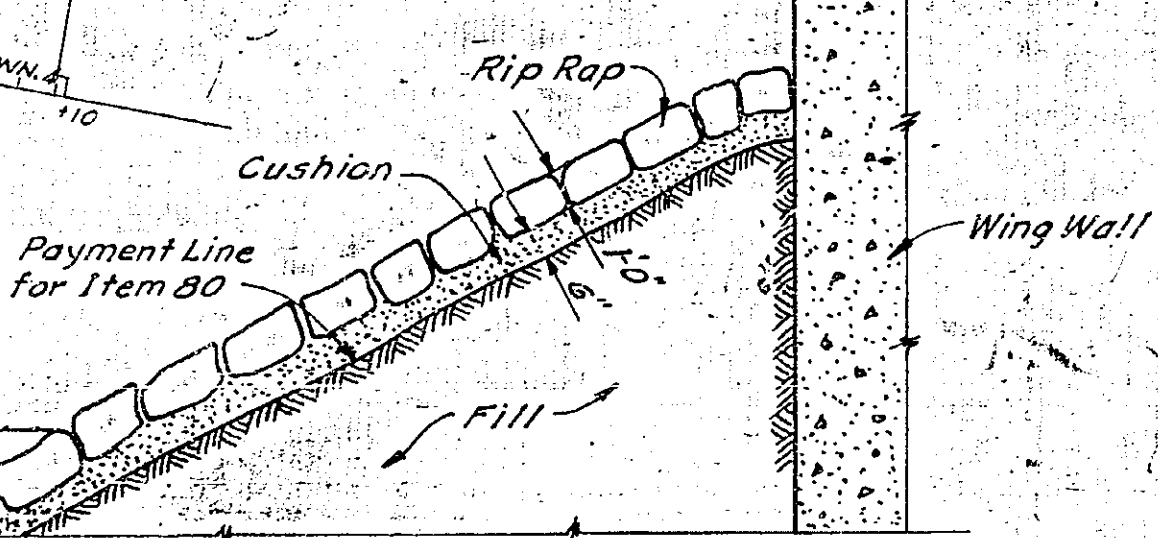
TYPICAL PLAN
(Payment Lines)
Not to Scale



PRATT CREEK - RELOCATED



BRIDENBAKER CREEK - RELOCATED



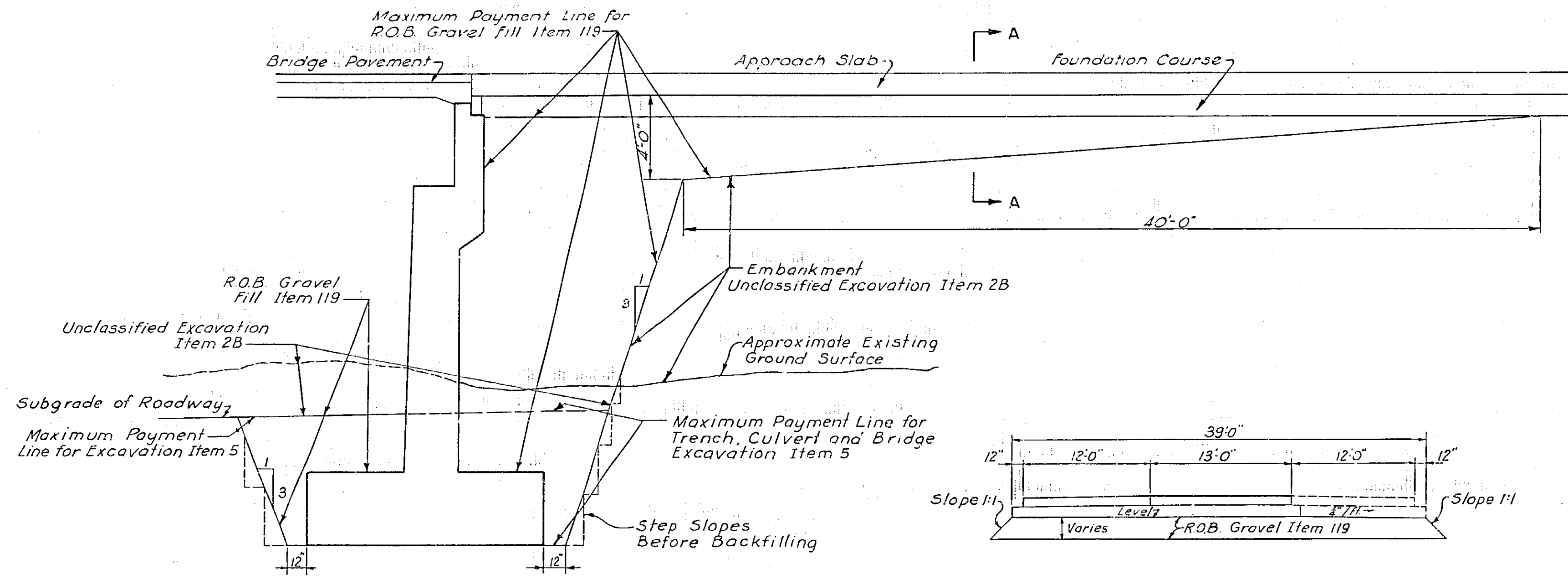
DETAIL - RIPRAP Item 80
Not to scale

CHANNEL RELOCATIONS			
STERLING CREEK			
PRATT CREEK			
BRIDENBAKER CREEK			
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-B-78	1" = 50'	4-1-52	

PREPARED AND RECOMMENDED:
Francis L. Brown & Harold A. Blauvelt
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

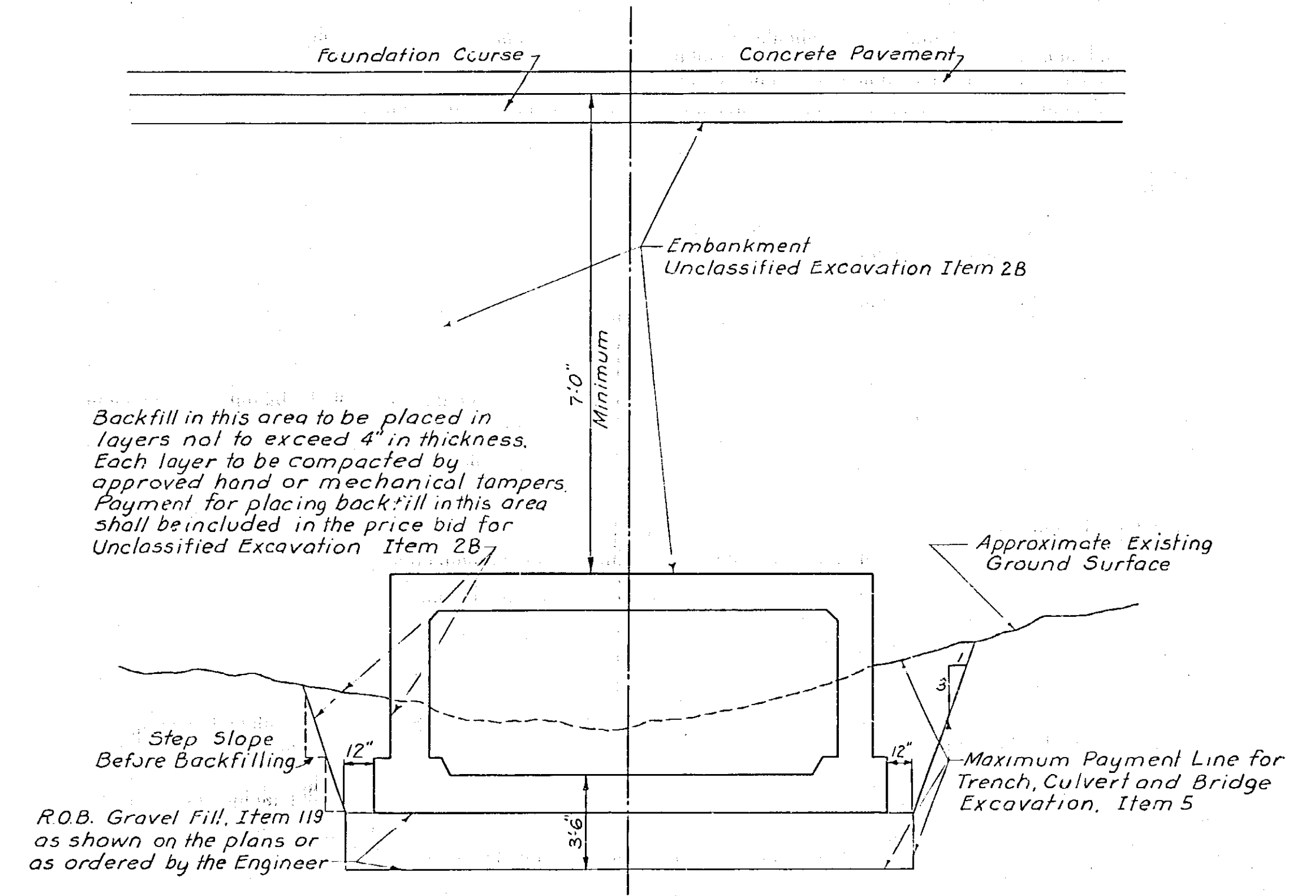
In charge of R. H. Hammond
Made by D. E. Breda
Traced by J. J. Breda
Checked by J. J. Breda

FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	88	90
NEW YORK STATE THRUWAY - MOHAWK SECTION						
SUBDIV. 10-A						

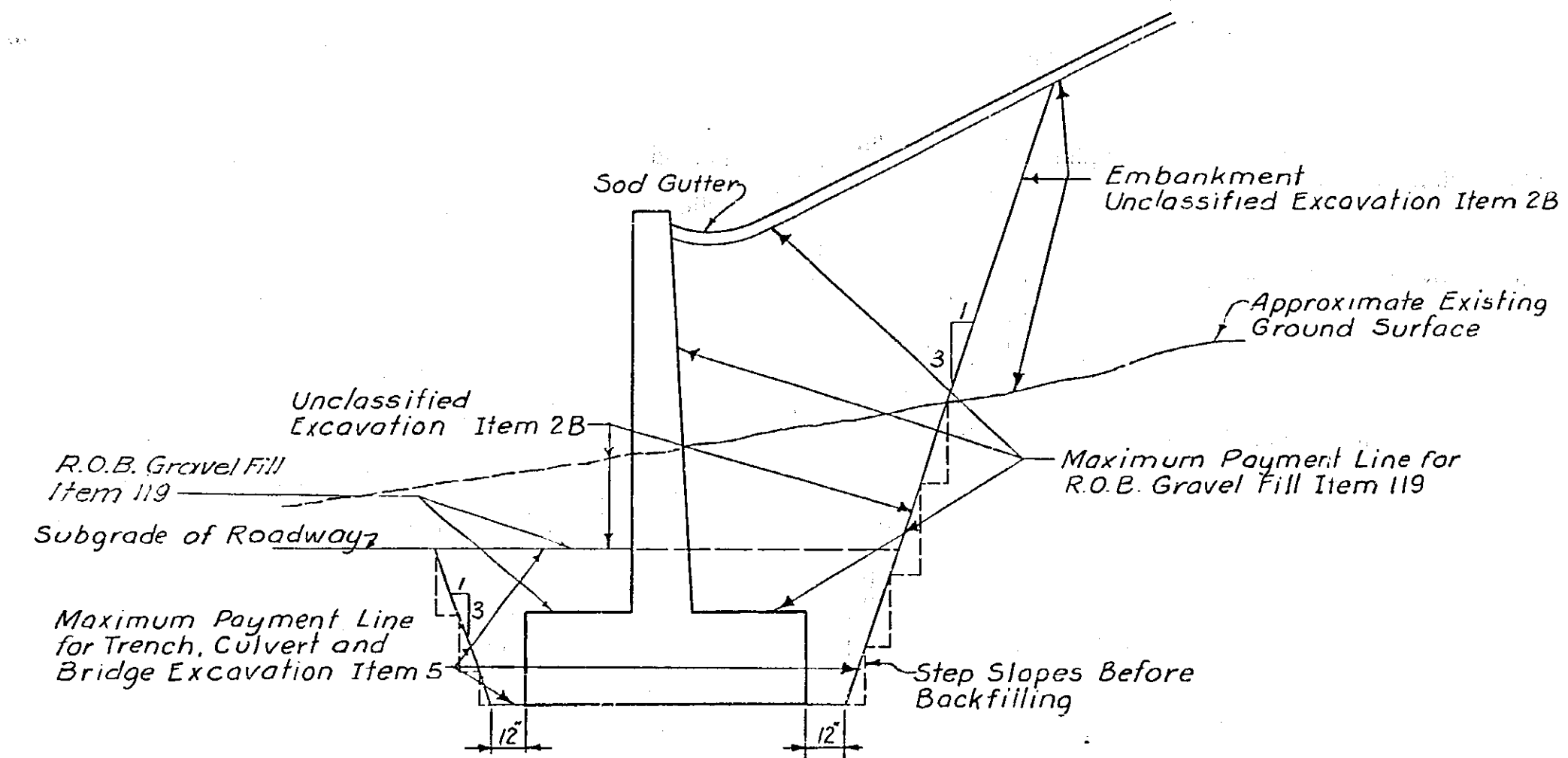


EXCAVATION PAYMENT LINES FOR BRIDGE ABUTMENT
Scale: 1/4" = 1'-0"

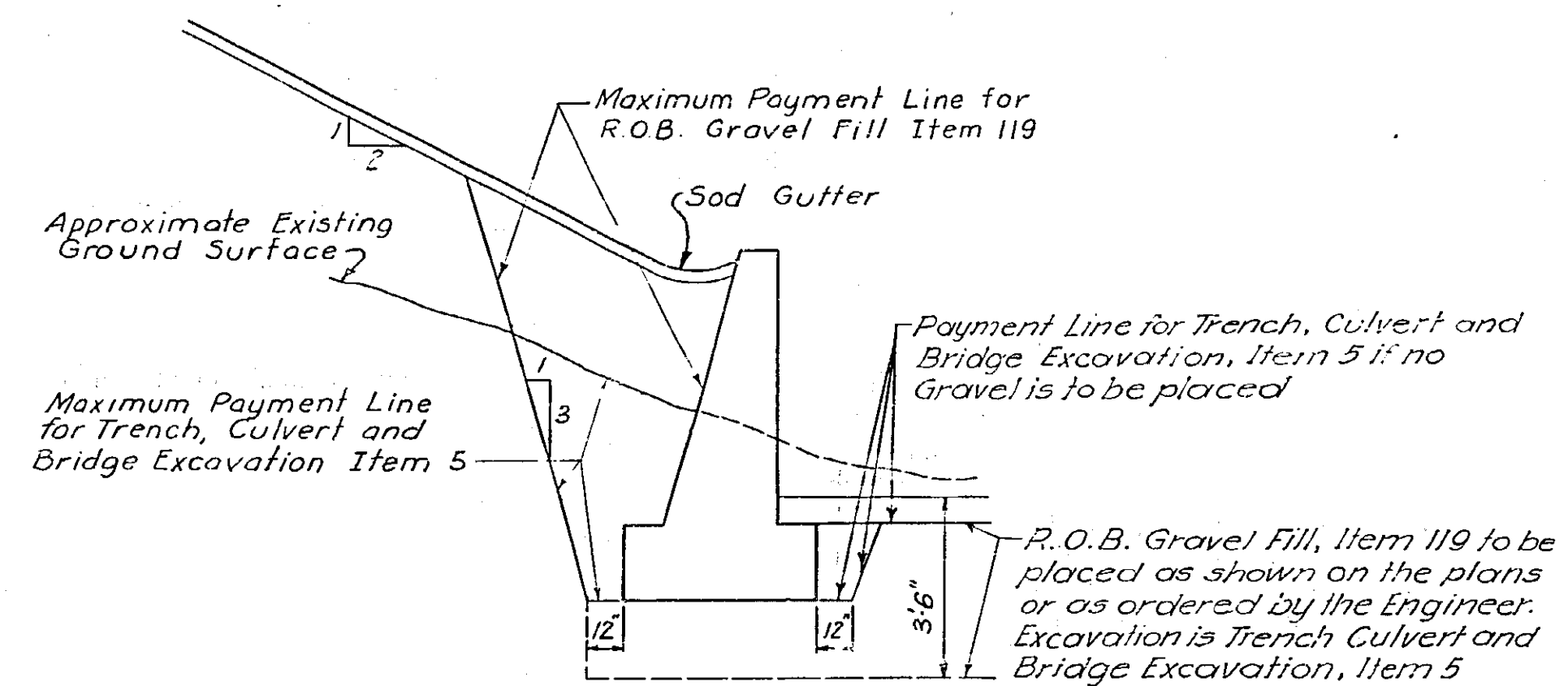
SECTION A-A
Scale: 1/8" = 1'-0"



EXCAVATION PAYMENT LINES FOR CULVERTS
Scale: 1/4" = 1'-0"



EXCAVATION PAYMENT LINES FOR BRIDGE WINGWALLS
Scale: 1/4" = 1'-0"



EXCAVATION PAYMENT LINES FOR CULVERT WINGWALLS
Scale: 1/4" = 1'-0"

For Excavation Payment Lines of Relocated Channels, see Sheet No. 87

In charge of *R. Hammond*
Made by *Robert G. Smith*
Traced by *W. J. Smith*
Checked by *N. K. Smith*

Francis L. Brown P.E. 13164

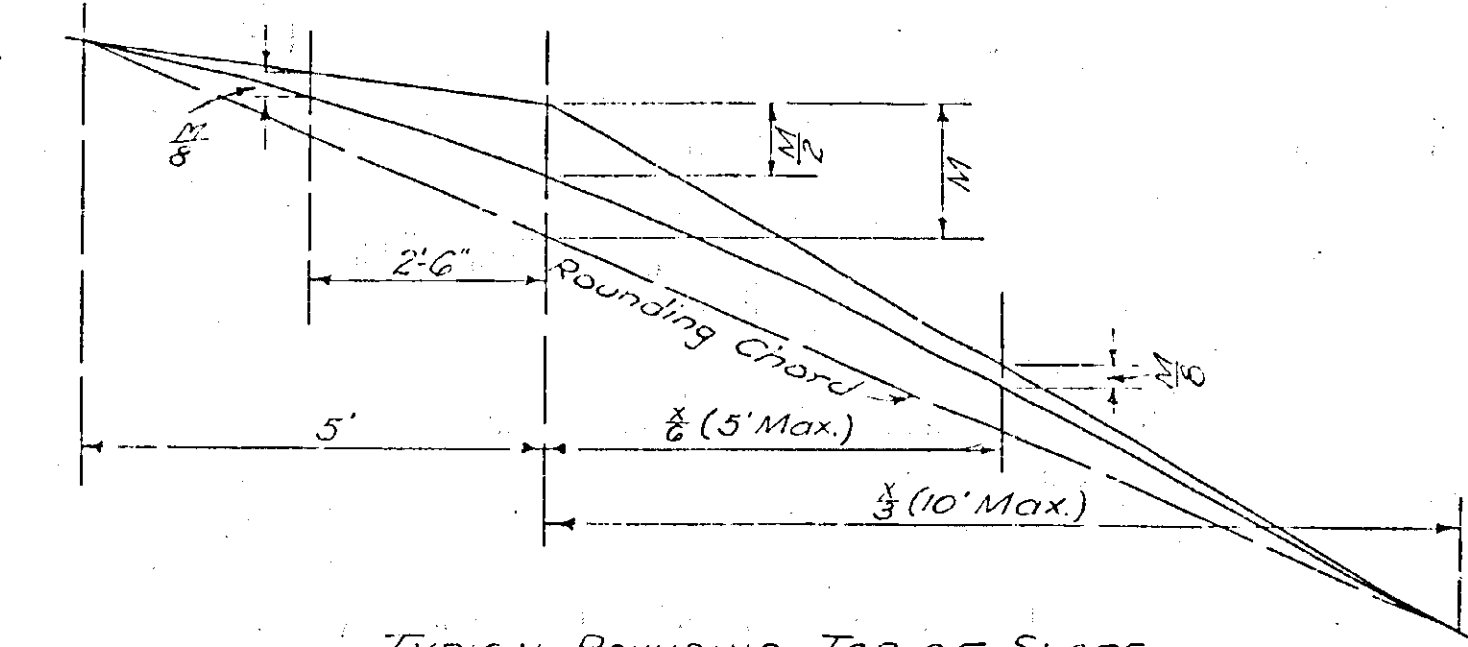
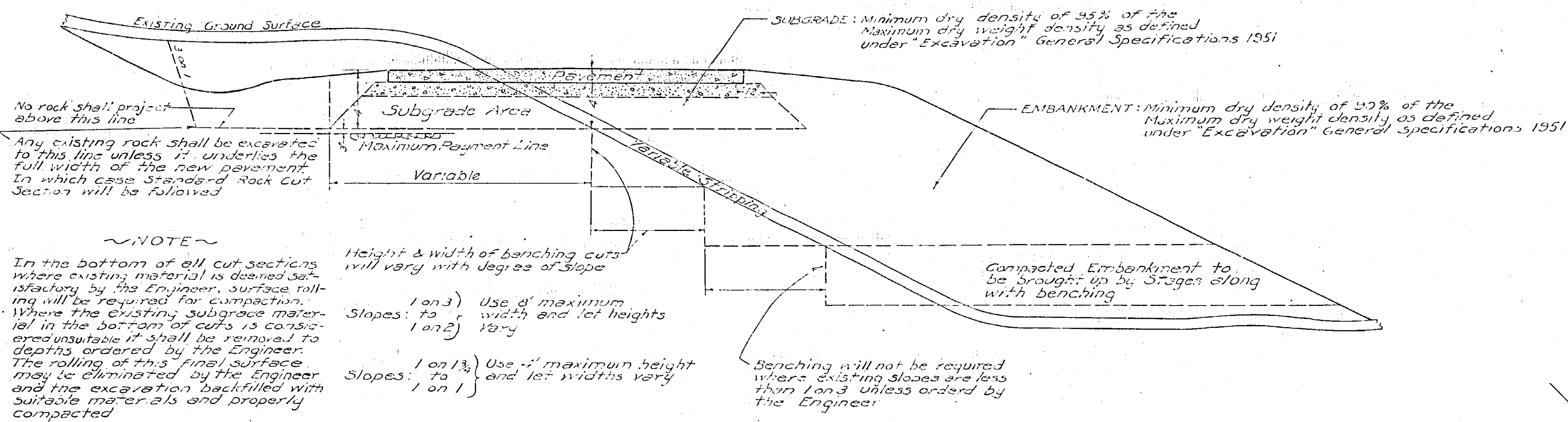
PREPARED AND RECOMMENDED:
Harold A. Blauvelt N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

EXCAVATION AND BACKFILL CLOSED BOX CULVERTS ABUTMENTS & WINGWALLS				
DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13-3-79	As Shown	4-1-52		
CONSULTING ENGINEERS				

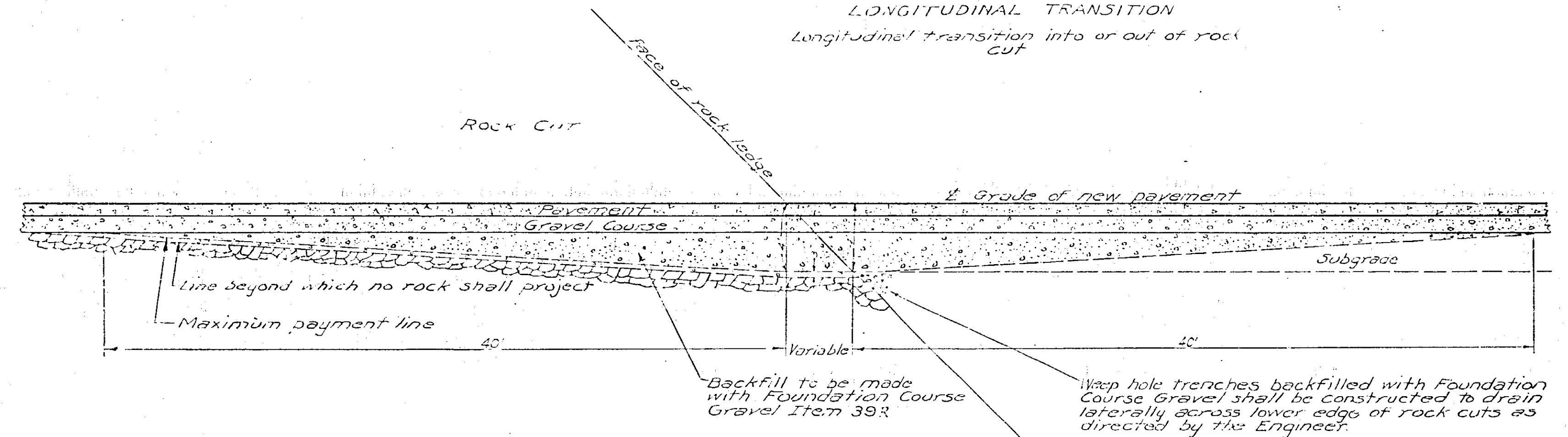
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				HERKIMER	89	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A

TRANSVERSE SECTION

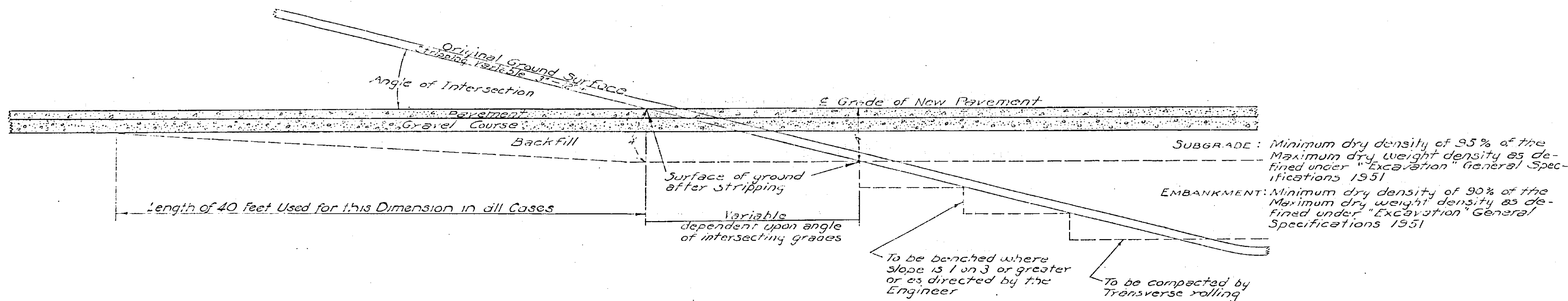


LONGITUDINAL TRANSITION
Longitudinal transition into or out of rock cut



LONGITUDINAL TRANSITION

To be used where the angle between the \pm Grade of the proposed new pavement and the line of slope of the existing intersected ground surface is 3° or more



EXCAVATION DETAILS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS
13-B-80	As Shown	4-1-52	

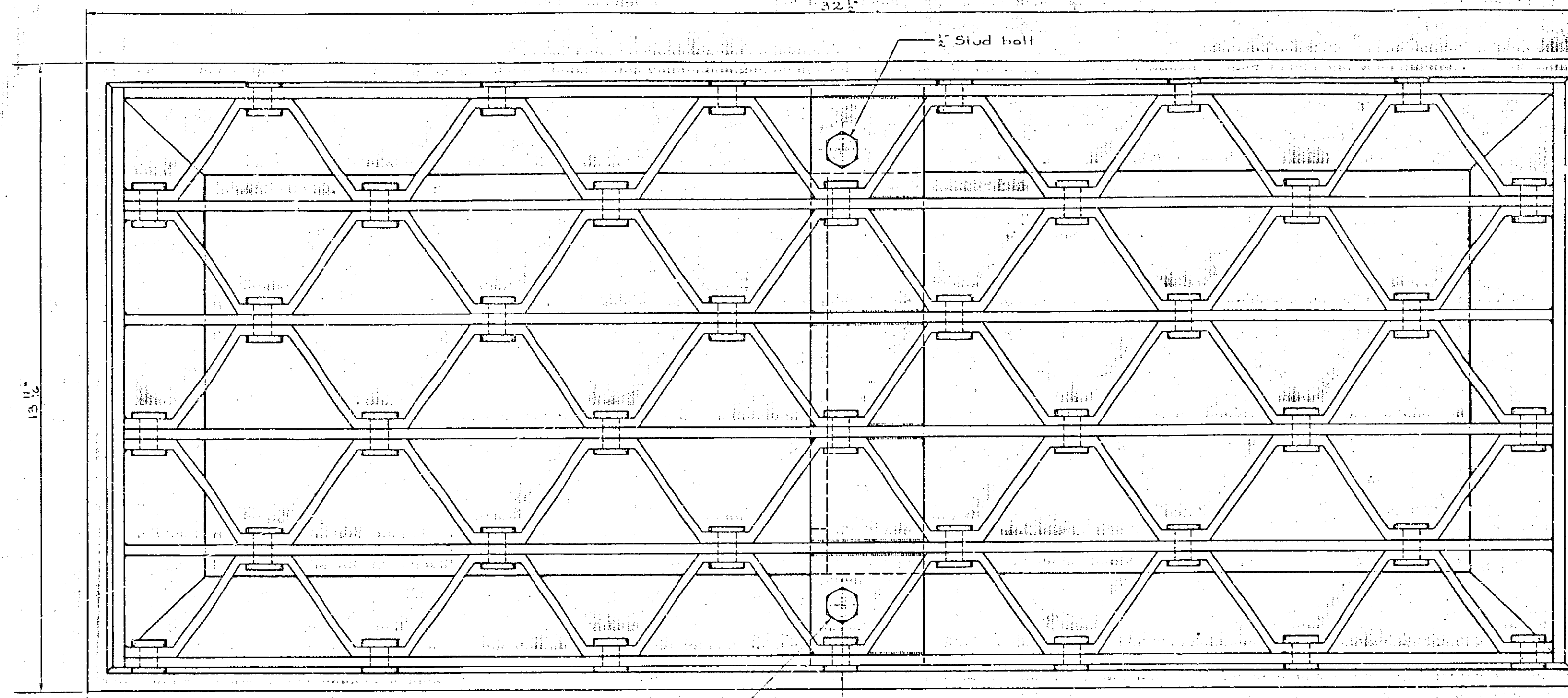
PREPARED AND RECOMMENDED:
Francis L. Brown, NYSPE, LIC. NO. 19032, DATE 6-30-38
Francis L. Brown - Harold A. Blauvelt Consulting Engineers

Francis L. Brown P.E. 13144

In charge of R. H. H. H.
Made by J.H.J. N.E.
checked by R.E. R.E.

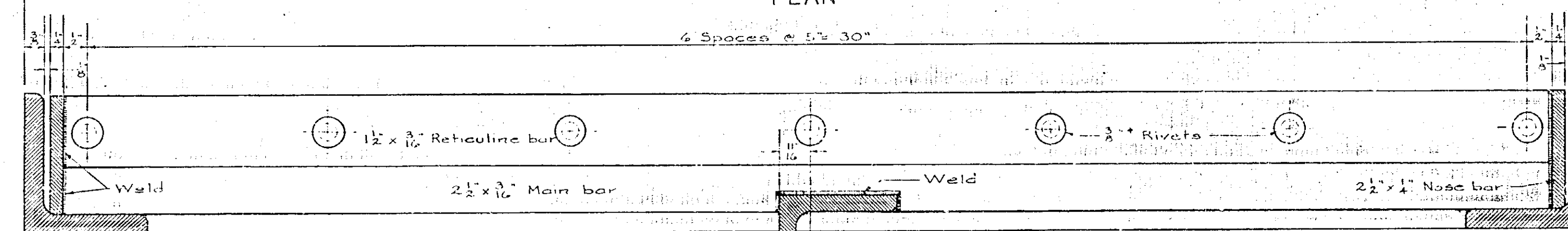
FED. RD. DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	COUNTY	SHEET NO.	TOTAL SHEETS
				HERKIMER	90	90

NEW YORK STATE THRUWAY - MOHAWK SECTION
SUBDIV. 10-A



PLAN

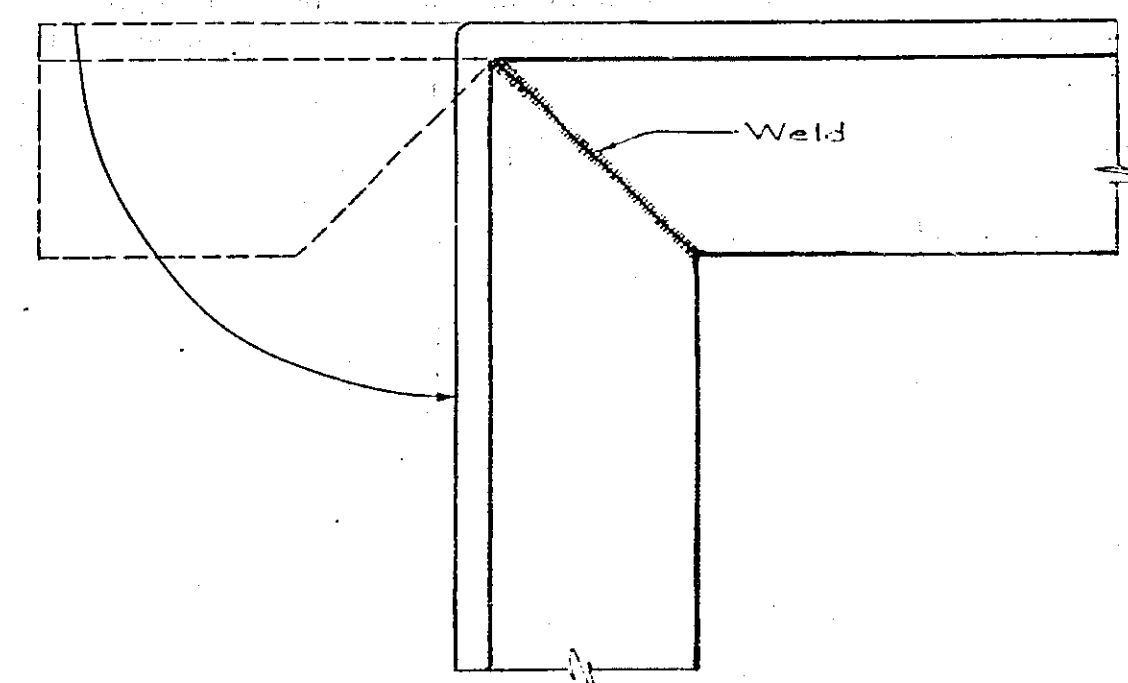
4 Spaces @ 5' = 30'



LONGITUDINAL

SECTION

FRAME & GRATE TYPE A

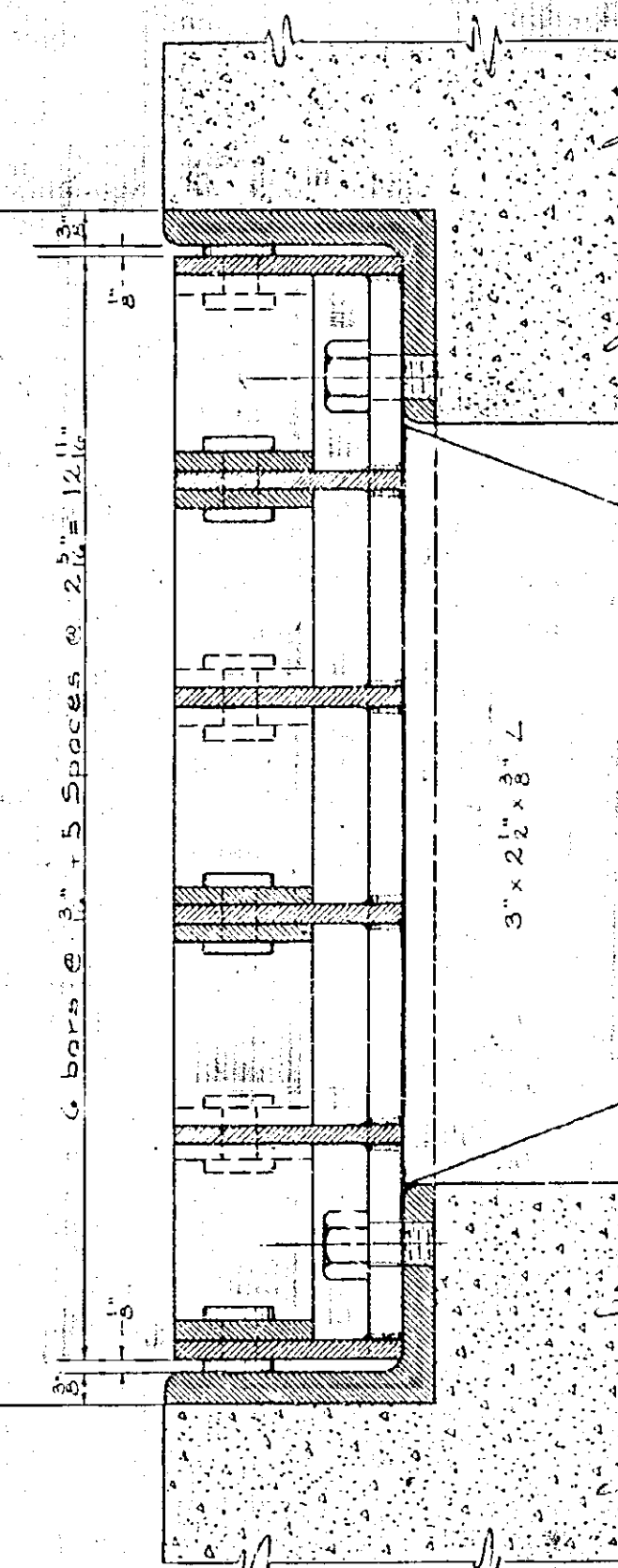


3 Corners of frame formed as above.
1 Corner of frame weld both legs of angles.

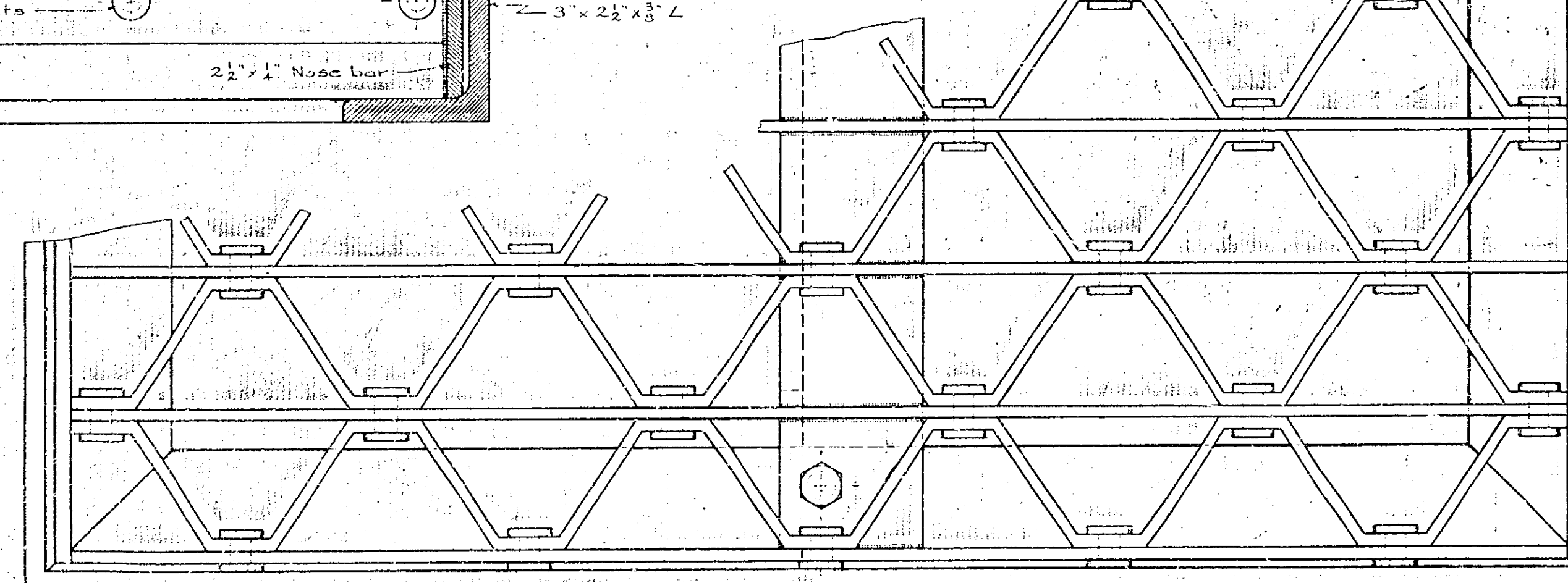
FRAME DETAIL

NOTE-

Grating ground to fit fillets.
Welds on inside of frame and
outside of grating ground smooth.
Frame and grating shall be hot
dip galvanized.

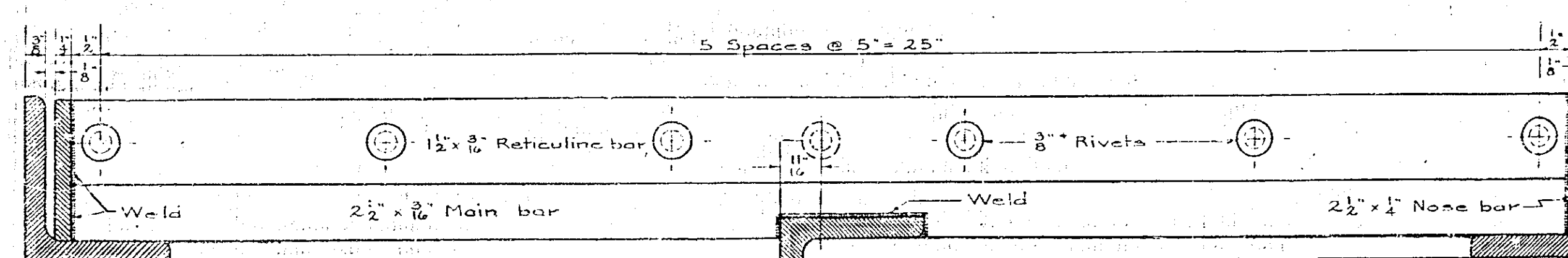


CROSS SECTION



PLAN

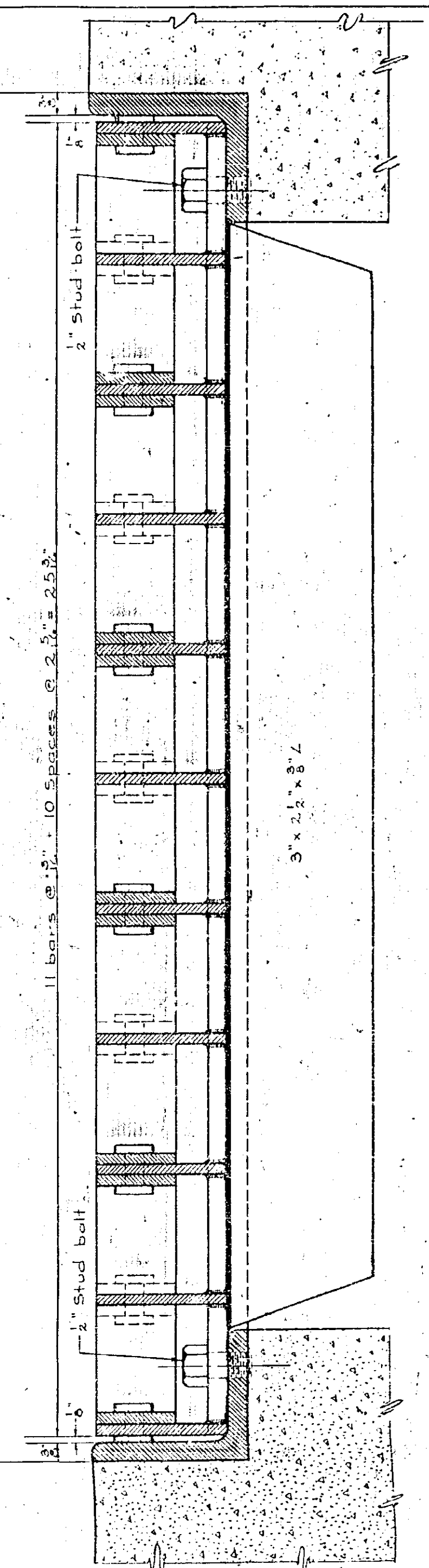
5 Spaces @ 5' = 25'



LONGITUDINAL

SECTION

FRAME & GRATE TYPE B



CROSS SECTION

FRAME AND GRATE

In charge of *R. H. H. H.*
Made by *N.Y.S.*
Traced by *N.E. J.H.V.*
Checked by *G.S. F.E.*

PREPARED AND RECOMMENDED:
Francis L. Brown N.Y.S.P.E. LIC. NO. 19032 DATE 6-30-38
FRANCIS L. BROWN - HAROLD A. BLAUVELT CONSULTING ENGINEERS

DWG. NO.	SCALE	DATE	FRANCIS L. BROWN	HAROLD A. BLAUVELT
13-B-81	1/2 Full Size	4-1-52	CONSULTING ENGINEERS	CONSULTING ENGINEERS