FED. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U 144(7)	1953	9 & 17	1	57

CONNECTICUT
STATE HIGHWAY DEPARTMENT
PLAN FOR CONSTRUCTION
OF
MIDDLETOWN EXPRESSWAY
SOUTH MAIN ST. TO UNION ST. BRIDGE

IN THE TOWN OF
MIDDLETOWN

FROM STA. 5+10.06 TO STA. 41+37.09

LENGTH 3581.29 FT.

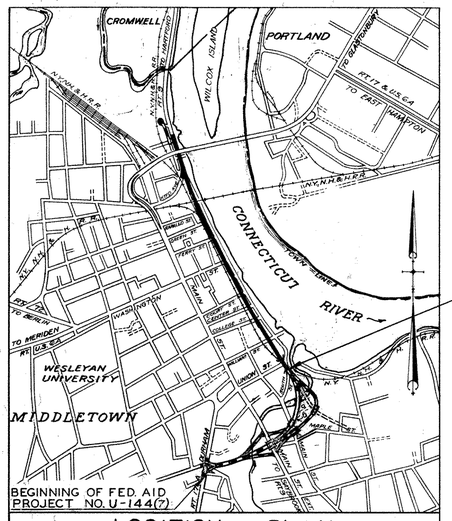
SCALES { PLAN 1 IN. = 40 FT.
PROFILE HOR. 1 IN. = 40 FT. VERT. 1 IN. = 4 FT.
CROSS SECTIONS 1 IN. = 5 & 10 FT.

PAVING AND CONSTRUCTION OF BRIDGES AT MAIN ST. EXTENSION, E. MAIN ST. & RTS. 9 & 17

FEDERAL AID PROJECT NO. U-144 (7)

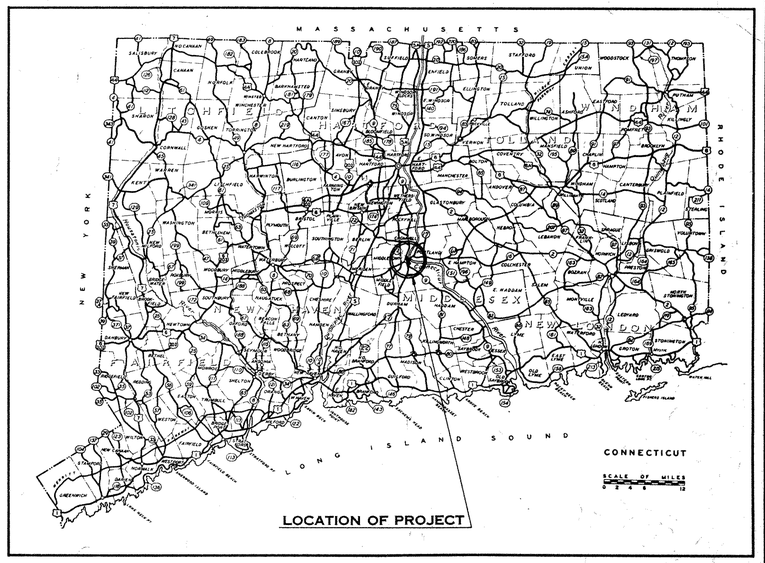
STAGE CONSTRUCTION

TO BE MAINTAINED BY THE STATE



LOCATION PLAN
SCALE IN FEET
0 1000 2000 3000 4000 5000

ALL ELEVATIONS ON THIS PROJECT ARE BASED ON U.S.C. & G.S. DATUM



1947 SPECIFICATIONS, FORM 807 GOVERN

TOWN NO. 82
PROJECT NO. 90

FEDERAL AID PRIMARY SYSTEM
ASSUMED DESIGN SPEED ~ 50 M.P.H.
ANTICIPATED ADT. IN 1970 ~ 9300
C.H.D. CLASSIFICATION ~ "F" URBAN (COMMERCIAL)
LIMITED ACCESS ON EXPRESSWAY

STA. TO STA.		SECTION	LENGTH	REMARKS
5+10.06	19+05.43	1	1363.93	HOT ASPHALT CONCRETE-2-24' ROADWAYS
19+05.43	20+63.93	4	158.50	BRIDGE OVER MAIN ST. EXTENSION
0+63.93 LINE "A"	4+55.89	1	AVE. LENGTH 374.79	HOT ASPHALT CONCRETE-2-24' ROADWAYS
20+63.93 LINE "B"	24+21.54			
24+21.54	25+92.74	5	171.20	BRIDGE OVER EAST MAIN STREET
25+92.74	31+16.95	2	524.21	HOT ASPHALT CONCRETE-24' ROADWAY
31+16.95	33+37.80	6	220.85	BRIDGE OVER FUTURE RT. #9 (LINE "C")
33+37.80	41+37.09	2	767.76	HOT ASPHALT CONCRETE-24' ROADWAY
TOTAL			3581.29	
RAMPS	A, B, C, D	3	A- 753± B- 449± C- 783± D- 461± *	HOT ASPHALT CONCRETE-14' ROADWAY
MILL STREET		3	237± *	BITUMINOUS MACADAM { 28' ROADWAY
LOVELAND STREET			80± *	HOT ASPHALT CONCRETE { MINIMUM 20'
15+34.30	15+65.69		31.39 *	BOX CULV. CONST. UNDER FED. AID PROJ. No. U-144(6)
35+98.46	36+29.99		31.53 *	BOX CULV. CONST. UNDER FED. AID PROJ. No. U-144(6)

* NOTE: INCLUDED IN CONTRACT BUT NOT IN LENGTH OF PROJECT.

LIST OF DRAWINGS

SHEET NO.	TITLE
1	Title Sheet
2	Detailed Estimate Sheet
3	Index Plan and Profile Sheet-Scale 1" = 200'
4-5	Typical Cross Section Sheets
6-15	Plan and Profile Sheets
16-20	Bridge at Main St. Extension
21-25	Bridge at East Main St.
26-30	Bridge at Routes #17 and #9 Crossing
31-57	Cross Sections
	STANDARD SHEETS
217 C	3 Cable Wire Rope Railing - Anchorages
221 G	R. C. Pipe
221 F	Standard Endwall
222 A	Curbs, Paved Ditch, Bitum. Conc. Sidewalk Steps and Copings, Concrete Sidewalk
223 A	Manhole
226	A.C.C.M.P. Elbow
228 A	Type "C" Catch Basin
228 B	Type "C-G" Catch Basin
228 D	Frames and Grates for Types "C" and "C-G" Catch Basin
711	Figures for Dates on Bridge Rails
714	Reinforced Concrete Marker Posts
718	Temporary Field Office
712 A	Temporary Barricade, Conc. Ramp.

CONSTRUCTION STARTED MARCH 10th. 1954.
CONSTRUCTION COMPLETED SEPTEMBER 3rd. 1955.
PLANS REVISED BY W. TOLLEFSON JUNE 20th. 1956
PLANS CHECKED BY J.A. Girard June 27, 1956
Property Check by W. Tollefson Mar. 23, 1959

STANDARD CONVENTIONS

Hedge
Guide Rail
Curb Stated whether Stone, wood or Conc.
Stone Wall
Concrete Walk
Walk - Tar, Gravel or Earth
Conn. Co.
Present Tracks
Proposed Tracks
Taking Line
Property Line
Town Line
Grape Arbor
Wire Fence
Picket Fence
Board Fence
Retaining Wall
Open Ditch Flowing Stream
Open Ditch Dry
Telegraph, Telephone or Electric Light Poles
Trolley Poles
Ledge or Rock
Tree
Hydrant
Pole
M.H.
Rivers, Lakes etc.
North Point
Present Culvert
Proposed Culvert
House
Barn
Buildings
Swamp
Gas Pump
Random Stone
Highway Mon. "C.H.D. Marker"
Present C.B.
Proposed C.B.
Present Travel Path

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DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED [redacted]
DISTRICT ENGINEER DATE
[redacted]

SUBMITTED Oct. 23 1953
Peter P. Thomson
ENGINEER OF HIGHWAY DESIGN
APPROVAL RECOMMENDED Oct. 23 1953
Robert G. Mitchell
ENGINEER OF SURVEY & PLANS
APPROVED Oct 27 1953
Ernest T. Perkins
DIRECTOR OF TRAFFIC-PLANNING-DESIGN

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	1953	9&17	2	57

DETAILED ESTIMATE SHEET

FOR THE CONSTRUCTION OF MIDDLETOWN EXPRESSWAY — SOUTH MAIN ST. TO UNION ST. BRIDGE IN THE TOWN OF MIDDLETOWN

PROJ. NO. 82-90

FROM STA. 5+10.06 TO STA. 41+37.09 LENGTH 3581.29 FEET;
BASE COURSE BITUMINOUS MACADAM WIDTH 25 FEET; DEPTH 6 INCHES; SURFACE COURSE {HOT ASPHALT CONCRETE ON BITUMINOUS CONCRETE BINDER COURSE} WIDTH 2-24' RDWYS FEET; DEPTH 1¼ / 1¼ INCHES
BASE COURSE BITUMINOUS MACADAM WIDTH 25 FEET: DEPTH 6 INCHES: SURFACE COURSE {HOT ASPHALT CONCRETE ON BITUMINOUS CONCRETE BINDER COURSE} WIDTH 24 FEET: DEPTH 1¼ / 1¼ INCHES

EXCAVATION AND BORROW

STA. TO STA.		EARTH EXCAVATION (C.Y.)		FILL (C.Y.)	SURPLUS (C.Y.)	BORROW (C.Y.)
SECTION 1						
SOUTH MAIN STREET						
2+0	5+0	1145		118		
5+0	7+25	649		105		
MAIN LINE						
18+0	19+0			5239		
19+0	19+53			5358		
LINE "A"						
0+0	1+0	97		195		
1+0	4+55			1325		
LINE "B"						
20+0	21+0			1627		
21+0	24+21.54			2365		
PERVIOUS MATERIAL				-520		
SOUTH MAIN STREET REMOVAL OF PAVEMENT		-671				
MISCELLANEOUS		122		3500		
TOTAL		1342		19312		
LESS SHRINKAGE		-134				
REMOVED PAVEMENT AND SWELL		+923				
AVAILABLE FOR FILL		2131	=	-2131		
NET BORROW				17181		
PLUS SHRINKAGE				+1718		
BORROW						18899
SEC. 2 - ROAD SEC.- FED. AID PARTICIPATING						
LINE "B"						
25+92.74	30+0			403		
30+0	35+0			782		
EXCAVATION OF SURCHARGE FILL		5553				
PERVIOUS MATERIAL				-605		
MISCELLANEOUS		555		900		
TOTAL		6108		1480		
LESS SHRINKAGE		-2443				
AVAILABLE FOR FILL		3665	=	-3665		
SURPLUS					2185	
SECTION 3-FED. AID PARTICIPATING						
RAMP "A"		59		596		
RAMP "B"		88		12480		
RAMP "C"		87		3365		
RAMP "D"		123		446		
LOVELAND ST.		170		2		
MILL ST.		363		119		
RAMP "B" ~ REMOVAL OF TEMPORARY PAVEMENT		360				
MISCELLANEOUS		125		2200		
TOTAL		1375		19208		
LESS SHRINKAGE		-138				
AVAILABLE FOR FILL		1237				
SURPLUS ~ SECT. 2		+2185				
AVAILABLE FOR FILL		3422	=	-3422		
NET BORROW				15786		
PLUS SHRINKAGE				+1579		
BORROW						17365
TOTALS		8825				36264

PIPE CULVERTS, END WALLS, ETC.

STA.	R.C.P. 15" (L.F.)	R.C.P. 18" (L.F.)	R.C.P. 30" (L.F.)	A.C.C.M.P. 15" (L.F.)	A.C.C.M.P. 15" ELBOW (L.F.)	8" VIT. CLAY PIPE (L.F.)	RESET M.H. (EA.)	MANHOLE (EA.)	SPECIAL MANHOLE (EA.)	CLASS "A" CONCRETE (C.Y.)	CATCH BASIN TYPE "C" (EA.)	CATCH BASIN TYPE "C-6" (EA.)	RESET C.B. (EA.)	REBUILD C.B. (EA.)	REBUILD M.H. (EA.)	PAVED DITCH (S.Y.)	DITCH EXCAVATION (C.Y.)	GRAVEL FILL (C.Y.)	SINGLE POST (EA.)	TRENCH EXCAVATION 0'-6' DEEP (C.Y.)	TRENCH EXCAVATION 0'-10' DEEP (C.Y.)	TRENCH EXCAVATION 0'-15' DEEP (C.Y.)	TRENCH EXCAVATION OVER 15' (C.Y.)
SECTION 1 - ROAD SECTION - FEDERAL AID PARTICIPATING																							
SO. MAIN ST.																							
2+40 - 6+50	644	228								1.83	7	4								462	52		
10+0 - 12+40 RT.	✓	✓														120	100		3				
10+13 RT.																20	6						
14+0													3										
16+50													2										
18+92	72			76	6						3									45			
19+20 - 19+30 RT.	16											1		1	1					11			
LINE "A"																44	37						
1+20 - 2+20 LT.																							
LINE "B"																							
21+10 - 22+0 RT.																51	43						
UNASSIGNED	28	12		4						0.17						15	14			32	8		
TOTAL SEC. 1 - PARTIC.	760	240		80	6					2	10	5	5	1	1	250	200		3	550	60		
SECTION 2 - ROAD SECTION - FEDERAL AID PARTICIPATING																							
LINE "B"																							
25+20 - 25+85 LT.	64											1								31	20		
27+15													2										
31+0 LT.													1										
34+25													2										
38+0 RT.													1										
UNASSIGNED	4																			4			
TOTAL SEC. 2 - PARTIC.	68											1	6							35	20		
SECTION 3 - ROAD SECTION - FEDERAL AID PARTICIPATING																							
RAMP "A"																							
4+90 LT.													1										
7+35 LT.													1										
RAMP "B"																							
0+53	96			88	12			1			3	1						20		102	54		
RAMP "C"																							
8+0 RT.	28									1.45	1									37			
RAMP "D"																							
0+0 RT.													1										
0+55 RT.													1										
LOVELAND ST.	148										3									61	24		
UNASSIGNED	16			12	6					0.55								100		20	12		
TOTAL SEC. 3 - PARTIC.	288			100	18			1		2	7	1	4					120		220	90		
SECTION 3 - ROAD SECTION - FEDERAL AID NON - PARTICIPATING																							
SANITARY SEWER																							
SO. MAIN ST.							3																
MAIN ST. EXT.																							
5+42 LT.										1										6			
5+42 - 7+05 LT.			176						2									46				73	532
7+05 LT. - 7+62 RT.			186															30					537
LINE "B"																							
25+55 - 27+95 RT.						254			2									38			106	278	
E. MAIN ST.																							
1+40 - 2+90 RT.						140			1									21				26	281
RAMP "C"																							
7+0 RT.															1								
LOVELAND ST.							1																
UNASSIGNED			8			8												15		2	10	23	50
TOTAL SEC. 3 - NON-PARTIC.			320			402	4		5	1					1			150		8	116	400	1400
THESE QUANTITIES NOT CORRECTED																							
GRAND TOTAL	1116	240	320	180	24	402	4	1	5	5	17	7	15	1	2	250	200	270	3	813	286	400	1400

WIRE ROPE RAILING

STA. TO STA.		3 CABLE WIRE ROPE RAILING (L.F.)	ANCHORAGE TYPE A3 (EA.)	ANCHORAGE TYPE B3 (EA.)	SINGLE CABLE COMP. DEVICE (EA.)
SECTION 1 - ROAD SECTION - FEDERAL AID PARTICIPATING					
17+75	19+05.43 RT.	130	1	1	3
17+50	19+05.43 LT.	155	1	1	3
LINE "B"					
20+63.93	21+80 RT.	116	1	1	3
23+15	24+25 LT.	110	1	1	3
LINE "A"					
0+63.93	2+25 LT.	161	1	1	3
3+25	4+45 RT.	125	1	1	3
UNASSIGNED		23			
TOTAL SEC. 1 - PARTICIPATING		820	6	6	18
SEC. 2-RD. SEC.- FED. AID PART.					
LINE "B"					
26+0	31+25 LT.	525	2	2	12
25+85	31+07 RT.	522	2	2	12
33+65	36+0 LT.	235	1	1	3
33+05	41+32.09 RT.	832	2	2	12
UNASSIGNED		76	1		3
TOTAL SEC. 2 - PARTICIPATING		2190	8	7	42
SEC. 3-RD. SEC.- FED. AID PART.					
RAMP "A"					
0+0	7+45 LT.	780	4		12
RAMP "B"					
0+20	4+75 LT.	470	3	1	6
RAMP "C"					
11+0 M.L.	8+0 RT.	940	4		12
RAMP "D"					
3+50	4+75 RT.	125	1	1	3
UNASSIGNED		75	1		3
TOTAL SEC. 3 - PARTICIPATING		2390	13	2	36
GRAND TOTAL		5400	27	15	96

MISCELLANEOUS

STA. TO STA.		FORMATION OF SUBGRADE (S.Y.)	BITUMINOUS CONCRETE BINDER COURSE (TON)	PORTLAND CEMENT (BBL.)	HOT ASPHALT CONCRETE (TON)	BROKEN STONE FOR BITUMINOUS MACADAM PAVEMENT (TON)	BROKEN STONE FOR BITUMINOUS MACADAM BASE (TON)	BROKEN STONE FOR BASE (TON)	BITUMINOUS MATERIAL FOR BITUMINOUS MACADAM PAVEMENT (GAL.)	BITUMINOUS MATERIAL FOR SURFACE TREATMENT (GAL.)	TEMPORARY BARRICADE (L.F.)
SECTION 1 - ROAD SECTION - FEDERAL AID PARTICIPATING											
SOUTH MAIN ST.											
2+0	7+25	3312	238		238		605	671	5134		
SO. MAIN ST.- 19+05.43		6339	451		452		1158	1284	9825		
LINE "A"											
0+63.93	4+55.89	1095	77		78		200	222	1697		
LINE "B"											
20+63.93	24+21.54	1008	70		71		184	204	1562		
CONCRETE RAMPS				4							
SHOULDERS		1569				288			5328		
MEDIAN STRIP											
10+10	21+25				44						
MAIN ST. EXTENSION										56	
CONCRETE STEPS				14							
DRAINAGE				95							
CURBING				286							
SIDEWALKS				38							
UNASSIGNED										4	
TOTAL SEC. 1 - PARTICIPATING		19323	836	437	883	288	2147	2381	23546	60	
SECTION 1 - ROAD SECTION - FEDERAL AID NON - PARTICIPATING											
UNASSIGNED											
TOTAL - SEC. 1 NON-PARTICIPATING											
SECTION 2 - ROAD SECTION - FEDERAL AID PARTICIPATING											
LINE "A"											
12+0	14+70 RT.	486	34		34		89	98	753		
LINE "B"											
25+92.74	41+37.09	3882	270		270		713	790	6017		28
SHOULDERS		1995				371			6871		
25+50	FAR LT.	19	1		2		4	4	30		
DRAINAGE				11							
CONCRETE CURBING				7							
CONCRETE SIDEWALK											
UNASSIGNED											
TOTAL SEC. 2 - PARTICIPATING		6382	305	18	306	371	806	892	13671		28
SECTION 2 - ROAD SECTION - FEDERAL AID NON - PARTICIPATING											
UNASSIGNED											
TOTAL - SEC. 2 NON-PARTICIPATING											
SECTION 3 - ROAD SECTION - FEDERAL AID PARTICIPATING											
MAIN ST. EXTENSION											
EAST MAIN ST.											
RAMP "A"		1677	116		116		306	340	2505		
RAMP "B"		1142	80		81		209	231	1733		
RAMP "C"		1607	112		113		294	325	2421		
RAMP "D"		1041	73		73		190	211	1572		
MILL STREET		807				139		327	2574		
LOVELAND STREET		267				46		108	852		
SHOULDERS:											
RAMPS		2362				441			8150		
MILL STREET										57	
DRAINAGE				47							
SIDEWALKS				40							
CONCRETE RAMPS				4							
CONCRETE CURBING				132							
UNASSIGNED										3	
TOTAL SEC. 3 - PARTICIPATING		8903	381	223	383	626	999	1542	19807	60	
SECTION 3 - ROAD SECTION - FEDERAL AID NON - PARTICIPATING											
SANITARY SEWER											
7+20 MAIN ST. EXT.		28		62		5	5	6	89		
SOUTH MAIN ST.				3							
THESE QUANTITIES NOT CORRECTED											
UNASSIGNED											
TOTAL - SEC. 3 NON-PARTICIPATING		28		65		5	5	6	89		
GRAND TOTAL		28636	1522	743	1572	1290	3957	4821	57113	120	28

STA. TO STA.		CONCRETE CURBING (L.F.)	CONCRETE PARK CURBING (L.F.)	CONCRETE FOR STEPS AND COPINGS (C.Y.)	REMOVAL OF EXISTING PAVEMENT (C.Y.)	SUBBASE (C.Y.)	ROLLED GRAVEL BASE (C.Y.)	FURNISH & PLACE CALCIUM CHLORIDE (TON)	SAND COVER FOR BITUMINOUS SURFACE TREATMENT (S.Y.)	SHAPING AND CLEANING SLOPES (L.F.)	RELOCATE MONUMENT (L.S.)	GRAVEL SHOULDERS (C.Y.)	BROKEN STONE FOR DRIVES (TON)	CONCRETE SIDEWALK (S.F.)	BITUMINOUS CONCRETE SIDEWALK (S.Y.)	CONCRETE RAMP (C.Y.)	CONCRETE MARKER POST (EA.)
SECTION 1 - ROAD SECTION - FEDERAL AID PARTICIPATING																	
2+0	7+25	835	1205	8	671	800				525			10	1152		3	1
SO. MAIN ST.- 19+05.43		640	2100			2935				105				192			
0+63.93	4+55.89	150	136			377				170							1
20+63.93	24+21.54		156			433				359							
SHOULDERS							262		120								
MAIN ST. EXTENSION												12					
UNASSIGNED		75	103	1	67	55						2		56			
TOTAL SEC. 1 - PARTICIPATING		1700	3700	9	738	4600	262		120	1159		14	10	1400		3	2
SECTION 1 - ROAD SECTION - FEDERAL AID NON - PARTICIPATING																	
UNASSIGNED								2									
TOTAL - SEC. 1 NON-PARTICIPATING								2									
SECTION 2 - ROAD SECTION - FEDERAL AID PARTICIPATING																	
12+0	14+70 RT.		70														
25+92.74	41+37.09		60			1932				116							1
SHOULDERS							332										
UNASSIGNED			10			68											
TOTAL SEC. 2 - PARTICIPATING			140			2000	332			116							1
SECTION 2 - ROAD SECTION - FEDERAL AID NON - PARTICIPATING																	
UNASSIGNED								3									
TOTAL - SEC. 2 NON-PARTICIPATING								3									
SECTION 3 - ROAD SECTION - FEDERAL AID PARTICIPATING																	
MAIN ST. EXTENSION		218													144		
EAST MAIN ST.		70												280			
RAMP "A"		855				535											
RAMP "B"		115				490				350					8		
RAMP "C"		120				724				175					8		
RAMP "D"		160				413				340					28		
MILL STREET		365	75			293				200				704			
LOVELAND STREET		175	90			99								440			
SHOULDERS: RAMPS							394										
MILL STREET									120		L.S.	12	6			3	
UNASSIGNED		72	15			146						2		76	12		
TOTAL SEC. 3 - PARTICIPATING		2150	180			2700	394		120	1065	L.S.	14	6	1500	200	3	
SECTION 3 - ROAD SECTION - FEDERAL AID NON - PARTICIPATING																	
UNASSIGNED								2									
TOTAL - SEC. 3 NON-PARTICIPATING								2									
GRAND TOTAL		3850	4020	9	738	9300	988	7	240	2340	L.S.	28	16	2900	200	6	3

CONCRETE AND MASONRY STRUCTURES
FEDERAL AID PARTICIPATING - BRIDGE SECTIONS

STA.	STRUCTURE	BRIDGE EXCAVATION (C.Y.)	FURNISHING STEEL PILES (LB.)	DRIVING STEEL PILES (L.F.)	PORTLAND CEMENT (BBL.)	NATURAL CEMENT (BBL.)	CLASS "A" CONCRETE (C.Y.)	½" PREMOULDED BIT. JOINT FILLER FOR BRIDGES (S.F.)	¾" PREMOULDED BIT. JOINT FILLER FOR BRIDGES (S.F.)	DEFORMED STEEL BARS (LB.)	STRUCTURAL STEEL (LB.)	METAL FLASHING (COPPER) (LB.)	DAMP PROOFING (S.Y.)	PERVIOUS MATERIAL (C.Y.)	COPPER GUTTERS AND LEADERS (20 OZ.) (LB.)
SECTION — 4															
19+84.68	3 SPAN ROLLED BEAM BRIDGE	380	278100	5820	1100	200	775	210	85	125637	400700	15	195	380	
SECTION — 5															
24+90	3 SPAN ROLLED BEAM BRIDGE	315	162400	3063	814	147	576	60		96383	287000	120	112	285	150
SECTION — 6															
32+15.29	4 SPAN ROLLED BEAM BRIDGE	137	365382	6898	1172	211	829			128171	374520	128	158	460	125
	TOTALS	832	805882	15781	3086	358	2180	270	85	350191	1,062,220	263	465	1,125	275

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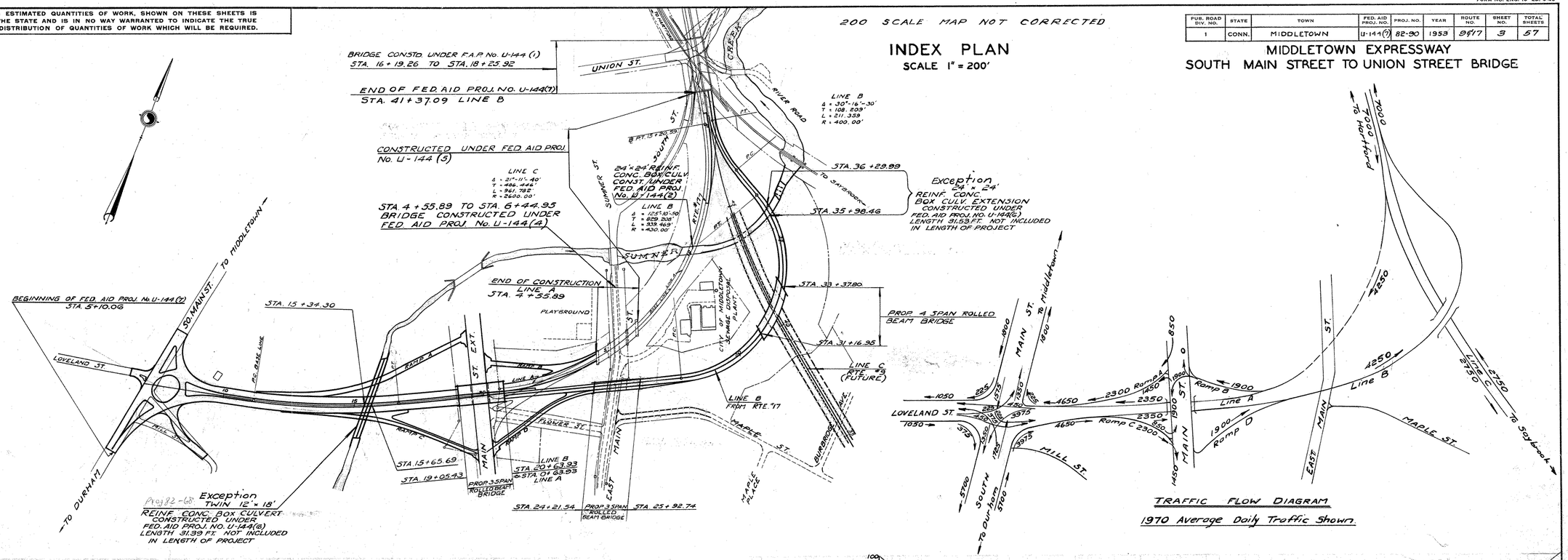
FORM NO. ENG. 10 ED. 9-48

FUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	9&17	3	57

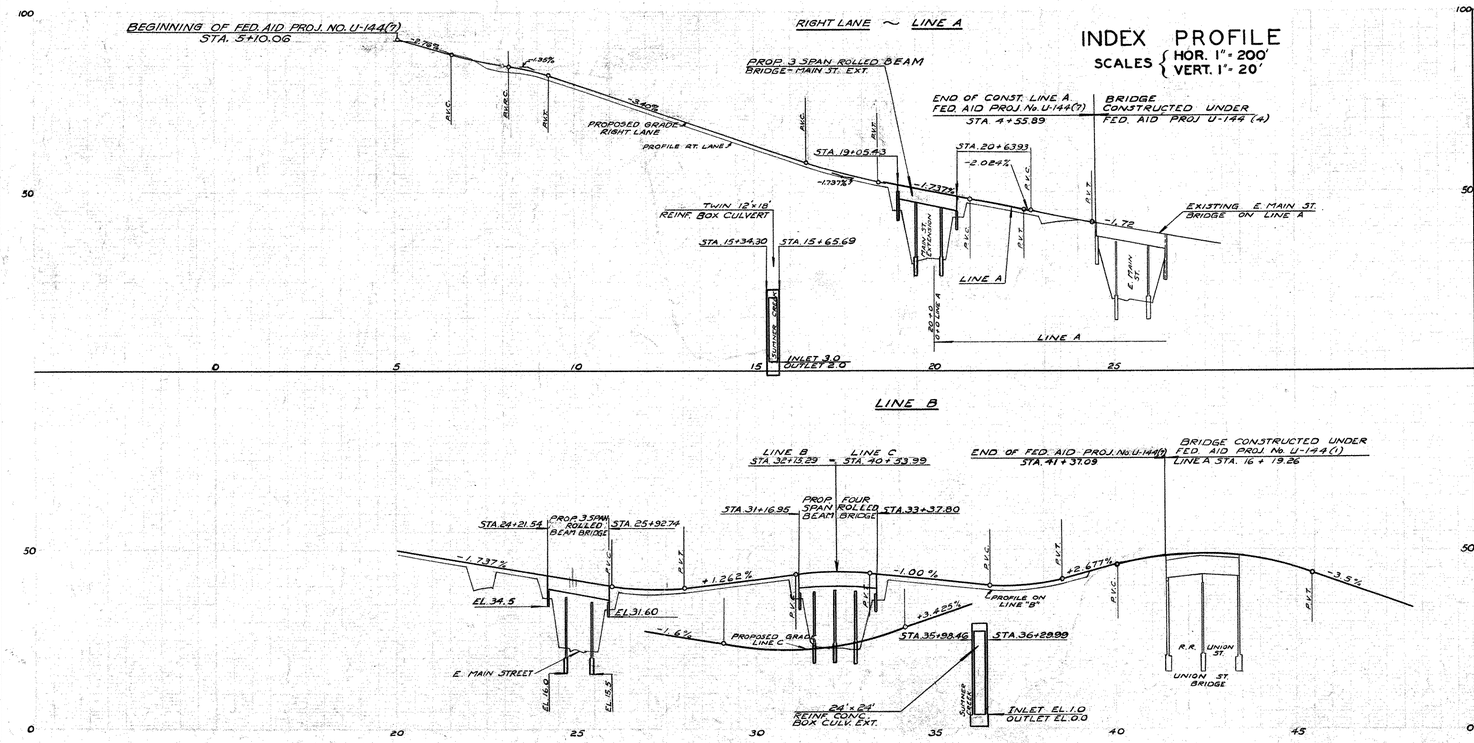
MIDDLETOWN EXPRESSWAY
SOUTH MAIN STREET TO UNION STREET BRIDGE

200 SCALE MAP NOT CORRECTED

INDEX PLAN
SCALE 1" = 200'



INDEX PROFILE
SCALES { HOR. 1" = 200' VERT. 1" = 20'



PLAN											
Surveyed											
Plotted											
Alignment											
Traced											
Const. Noted											
Designed											
NOTE BOOK NO.											

PROFILE											
Surveyed											
Plotted											
Grades Plotted											
Traced											
Const. Noted											
Designed											
NOTE BOOK NO.											

"ARMWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO.

82 90

176 08

FORM NO. ENG. 11 ED. 1-50

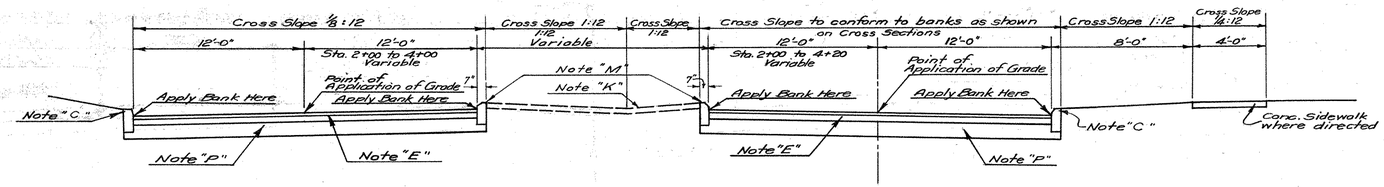
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(1)	82-90	1953	9 & 17	4	57

MIDDLETOWN EXPRESSWAY

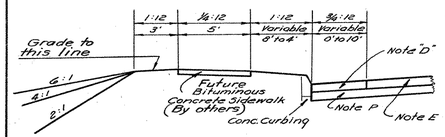
TYPICAL CROSS SECTIONS

NOT TO SCALE

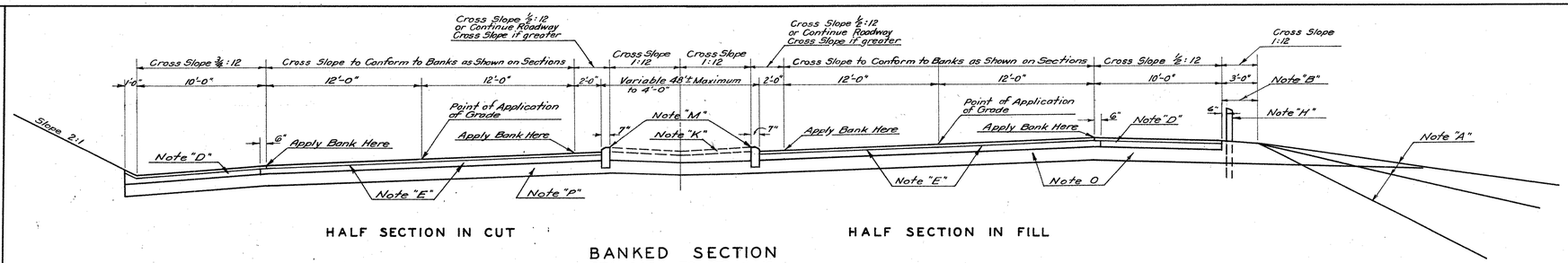
THIS SHEET NOT CORRECTED (See Section of Ramp A)



SO. MAIN ST.
NORMAL SECTION

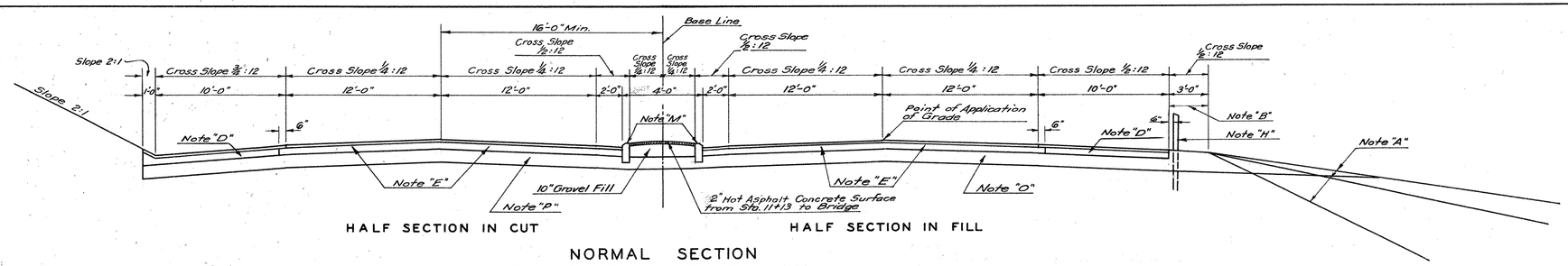


STA. 8+54 TO RAMP A



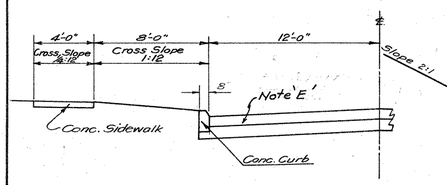
HALF SECTION IN CUT HALF SECTION IN FILL

BANKED SECTION
STA. 8+54 TO STA. 11+13

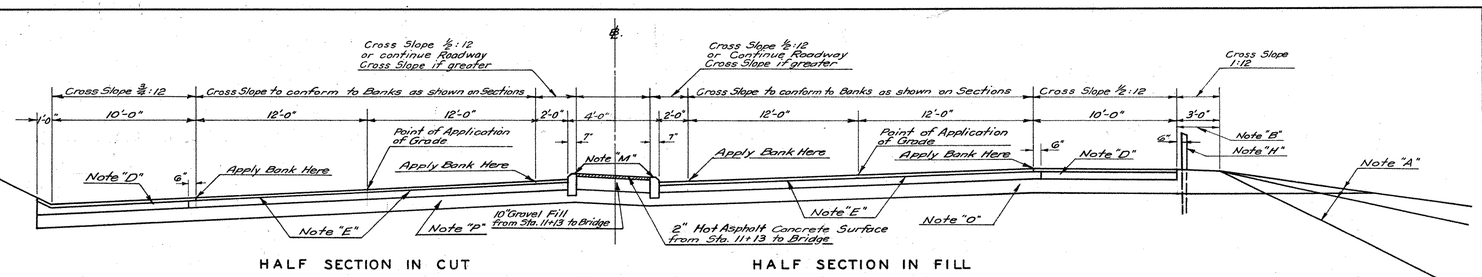


HALF SECTION IN CUT HALF SECTION IN FILL

NORMAL SECTION
STA. 11+13 TO MAIN ST. EXT. BRIDGE

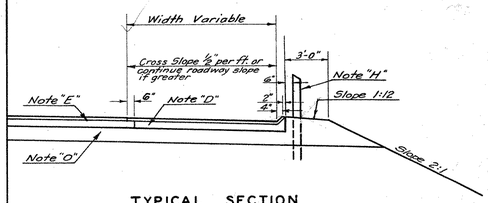


TYPICAL SECTION
OF PROPOSED WALK & CURBING
AT SOUTH MAIN ST.



HALF SECTION IN CUT HALF SECTION IN FILL

BANKED SECTION
STA. 11+13 TO MAIN ST. EXT. BRIDGE



TYPICAL SECTION
SHOWING BERM
To be constructed where shown on sections or as directed

KEY TO NOTES ON TYPICAL CROSS SECTIONS

Note "A" - Slope 6:1 in Fills of 4 ft. to 8 ft.; Slope 4:1 in Fills of 0 ft. to 4 ft.; Slope 2:1 in Fills over 8 ft.; or slope in accordance with Drainage Plan as shown on Cross Sections
Note "B" - Width is 2 ft in fills of 4:1 & 6:1 Slope
Note "C" Concrete Curbing
Note "D" - Bituminous Macadam 2½" in depth after compaction; on a 6" Rolled Gravel Base, to be laid in two 3" Courses.
Note "E" - Hot Asphalt Concrete ¼" in depth on Bit. Conc. Binder Course 1½" in depth on a 3" Bit. Macadam Base on a 3" Broken Stone Base
Note "H" - 3 Cable Wire Rope Railing ---------- to be used where fill is over 8 ft in depth, where shown on plans or as directed
Note "K" - 4" Loam by State Forces
Note "M" - Concrete Park Curbing
Note "O" - 8" Subbase if so directed
Note "P" - 12" Subbase if so directed

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PLAN			
Surveyed			
Plotted			
Traced	TATE	MAR. '51	
Designed	MACH.	APR. '51	
New Const. noted			
NOTE BOOK NO.			

H. M. WHITTEMORE CO.

82 90

176 08

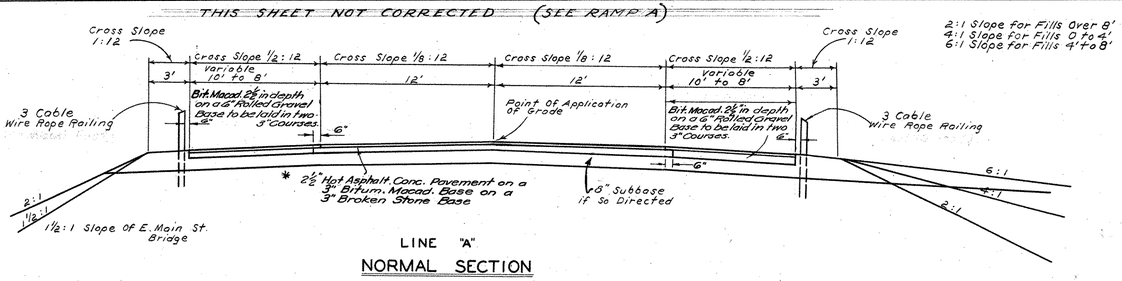
FORM NO. ENG. 11 ED. 1-50

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	9&17	5	57

TYPICAL CROSS SECTIONS

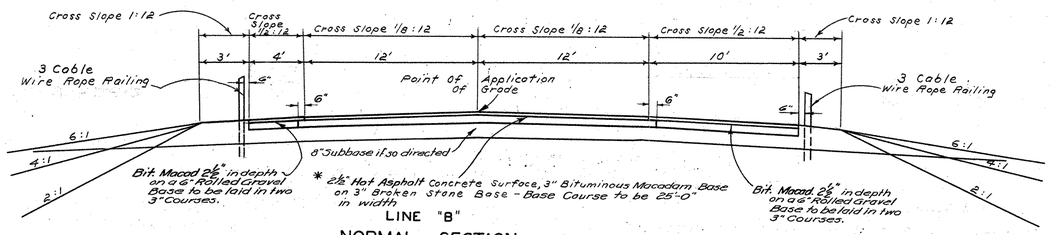
NOT TO SCALE

THIS SHEET NOT CORRECTED (SEE RAMP A)



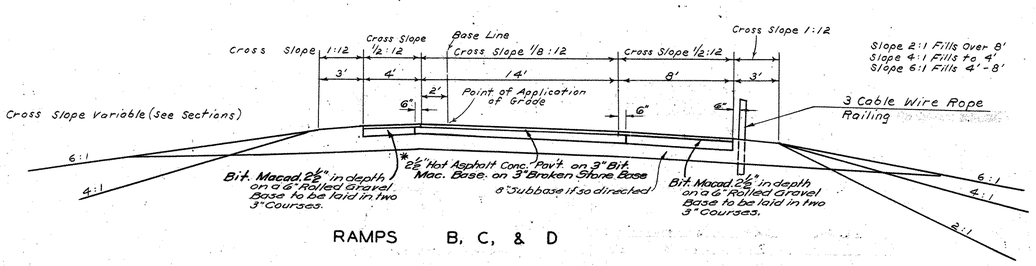
LINE "A"

NORMAL SECTION

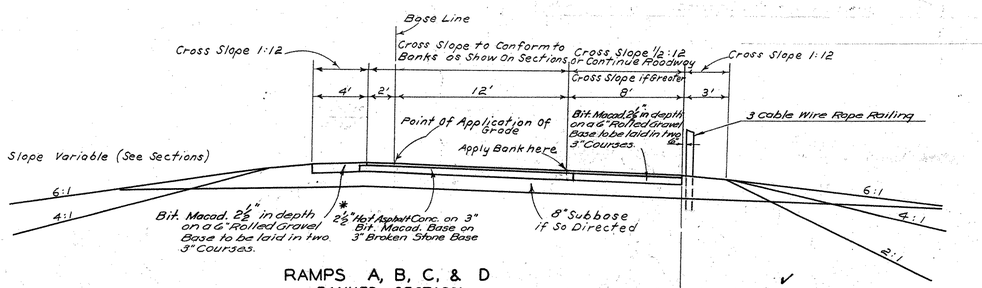


LINE "B"

NORMAL SECTION

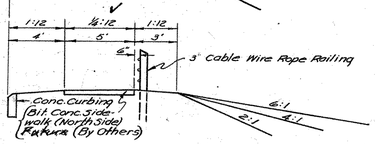


RAMPS B, C, & D



RAMPS A, B, C, & D

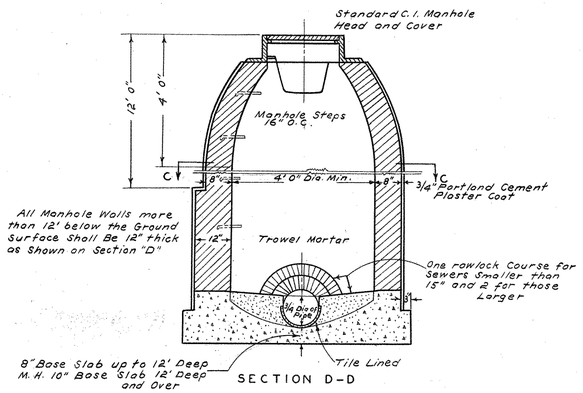
BANKED SECTION



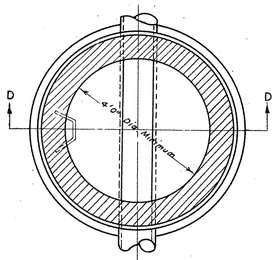
RAMP A

* Where 2½" Hot Asphalt Concrete is called for, it is understood to mean Hot Asphalt Concrete 1¼" in depth on a Bituminous Concrete Binder Course 1¼" in depth

MIDDLETOWN EXPRESSWAY
SOUTH MAIN ST. TO UNION ST. BRIDGE



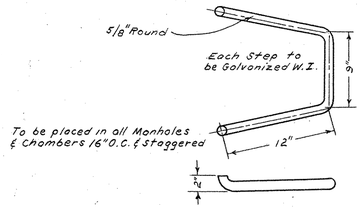
SECTION D-D



SECTIONAL PLAN

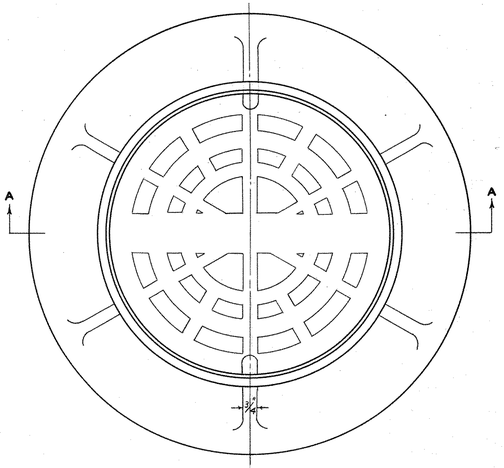
SPECIAL MANHOLE

SCALE 1/2" = 1' - 0"

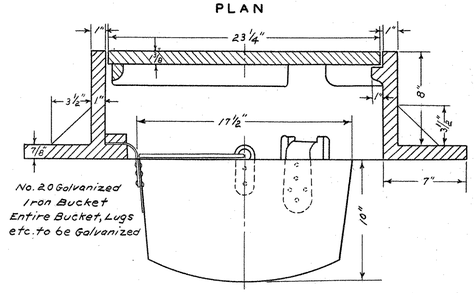


MANHOLE STEPS

SCALE NONE



PLAN

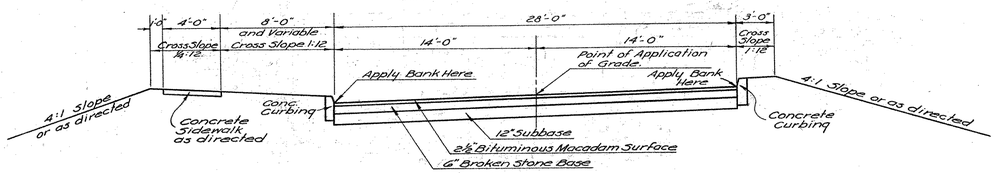


SECTION A-A

SPECIAL MANHOLE FRAME AND COVER

WITH BUCKET

SCALE 2" = 1' - 0"



MILL ST.

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PLAN			
Surveyed			
Plotted			
Traced	F. Morris	3/51	
Designed			
New Const. noted			
NOTE BOOK			
NO.			

H. M. WHITTEMORE CO.

82 90

176 08

FORM NO. ENG. 11 ED. 1-50

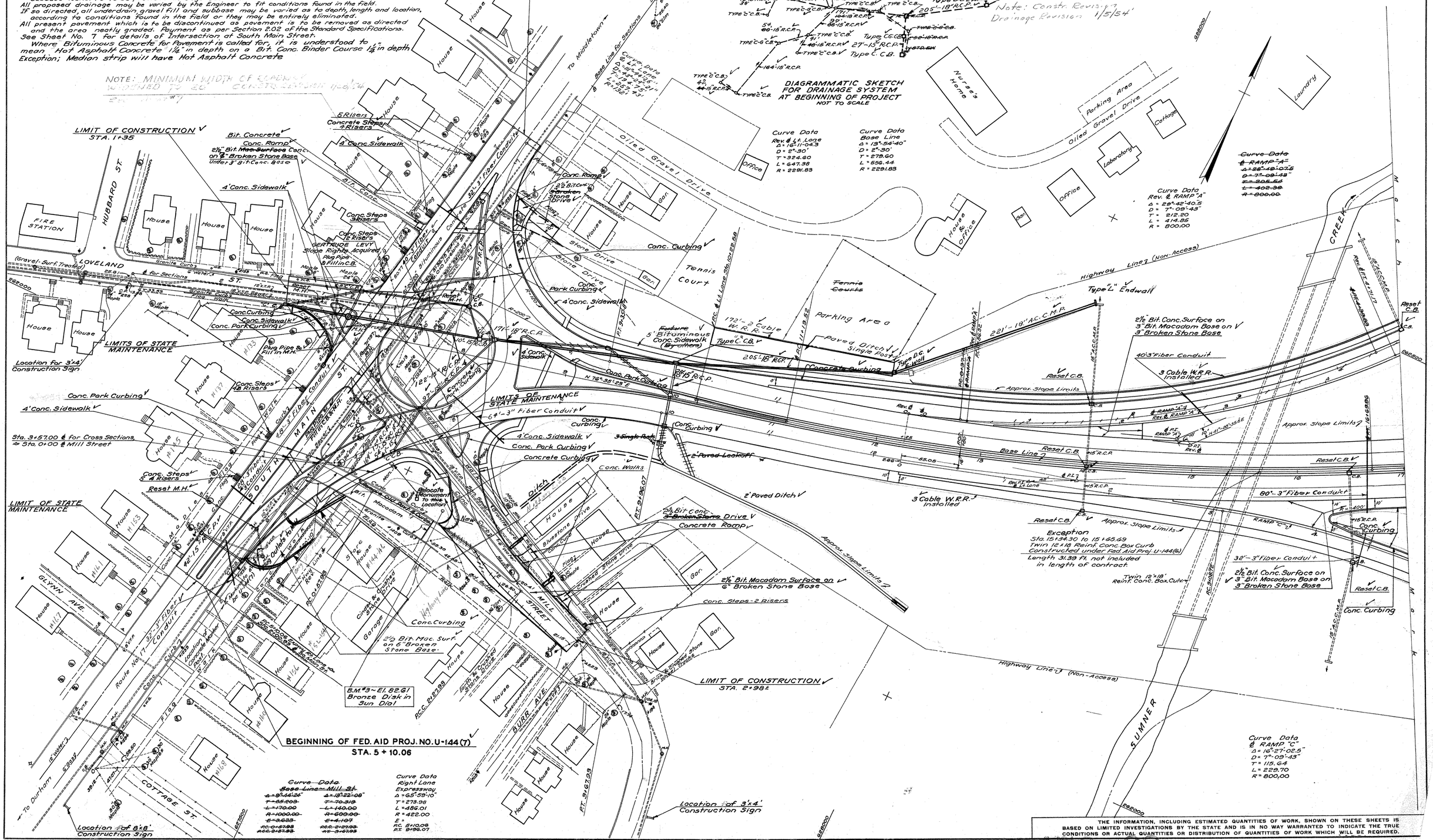
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	6	57

MIDDLETOWN EXPRESSWAY

Minimum Width of Right of Way = 164 ft.

~ GENERAL CONSTRUCTION NOTES ~

Grade and surface all intersecting roads, drives and barways if, where and as directed by the Engineer.
Remove all existing drainage culverts where and as directed.
Subbase shall be placed at all grade points as directed, whether or not shown on the Plans.
Subbase leakoffs to be provided in sags and elsewhere as directed.
All proposed drainage may be varied by the Engineer to fit conditions found in the field.
If so directed, all underdrain, gravel fill and subbase may be varied as to depth, length and location, according to conditions found in the field or they may be entirely eliminated.
All present pavement which is to be discontinued as pavement is to be removed as directed and the area neatly graded. Payment as per Section 2.02 of the Standard Specifications.
See Sheet No. 7 for details of Intersection at South Main Street.
Where Bituminous Concrete for Pavement is called for, it is understood to mean Hot Asphalt Concrete 1½" in depth on a Bit. Conc. Binder Course 1½" in depth
Exception; Median strip will have Hot Asphalt Concrete



	BY	DATE	CHECKED BY	DATE
PLAN				
Surveyed				
Plotted				
Traced	W.S.B.(see)	Apr. 1953		
Designed	Mauri	1953		
New Const. noted	W.S.B.(see)	Apr. 1953		
Const. noted				
NOTE BOOK NO.				

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H. M. WHITTEMORE CO.

FORM NO. ENG. 11 ED. 1-50

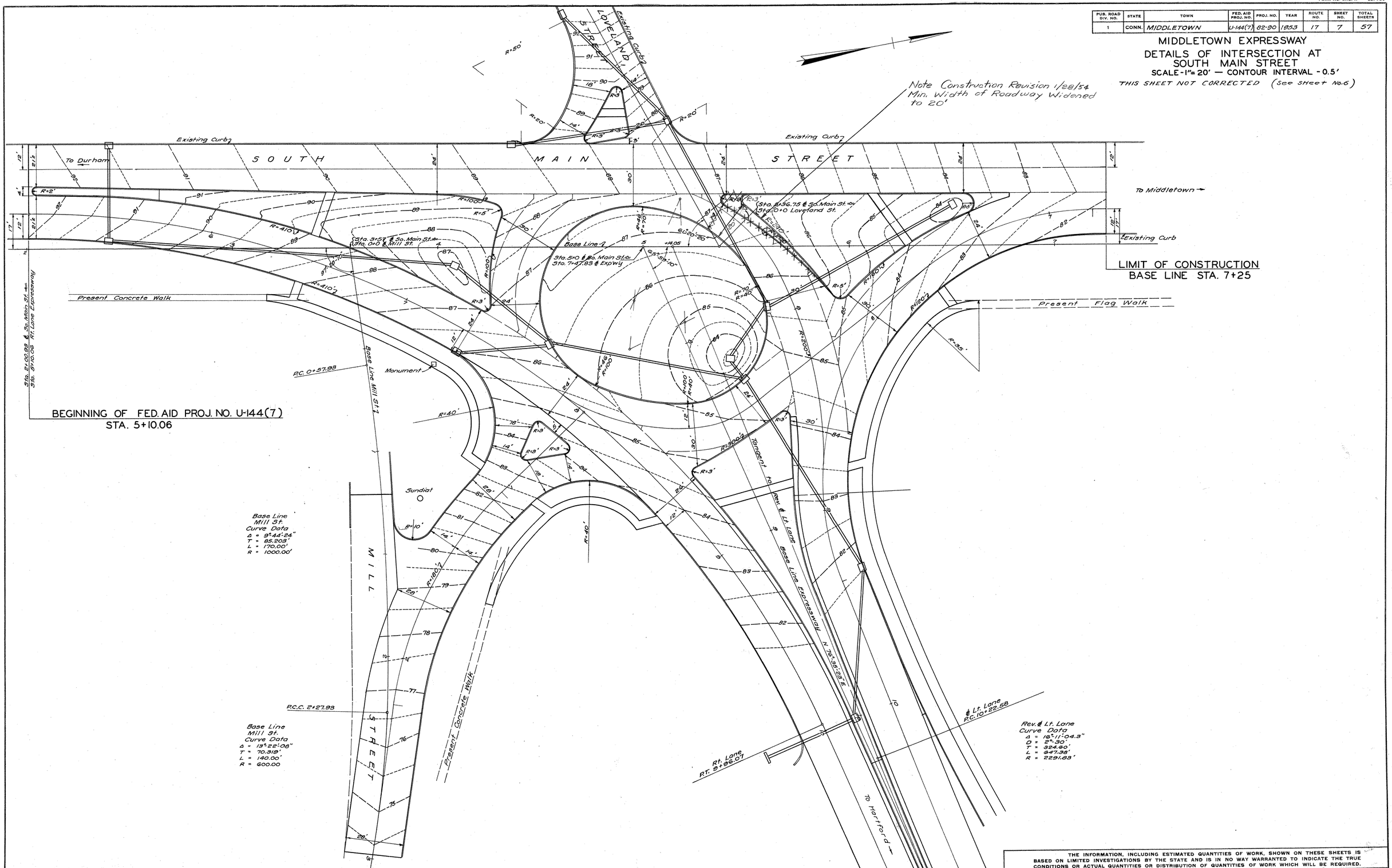
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	7	57

MIDDLETOWN EXPRESSWAY

DETAILS OF INTERSECTION AT SOUTH MAIN STREET

SCALE - 1" = 20' — CONTOUR INTERVAL - 0.5'

THIS SHEET NOT CORRECTED (See Sheet No. 6)



LIMIT OF CONSTRUCTION
BASE LINE STA. 7+25

BEGINNING OF FED. AID PROJ. NO. U-144(7)
STA. 5+10.06

PLAN		
Surveyed	W.S. Bissell	Apr. 1953
Plotted	W.S. Bissell	Apr. 1953
Traced	Macri	1953
Designed		
New Const. noted		
NOTE BOOK NO.		

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

H. M. WHITTEMORE CO.

82 90

176 08

7

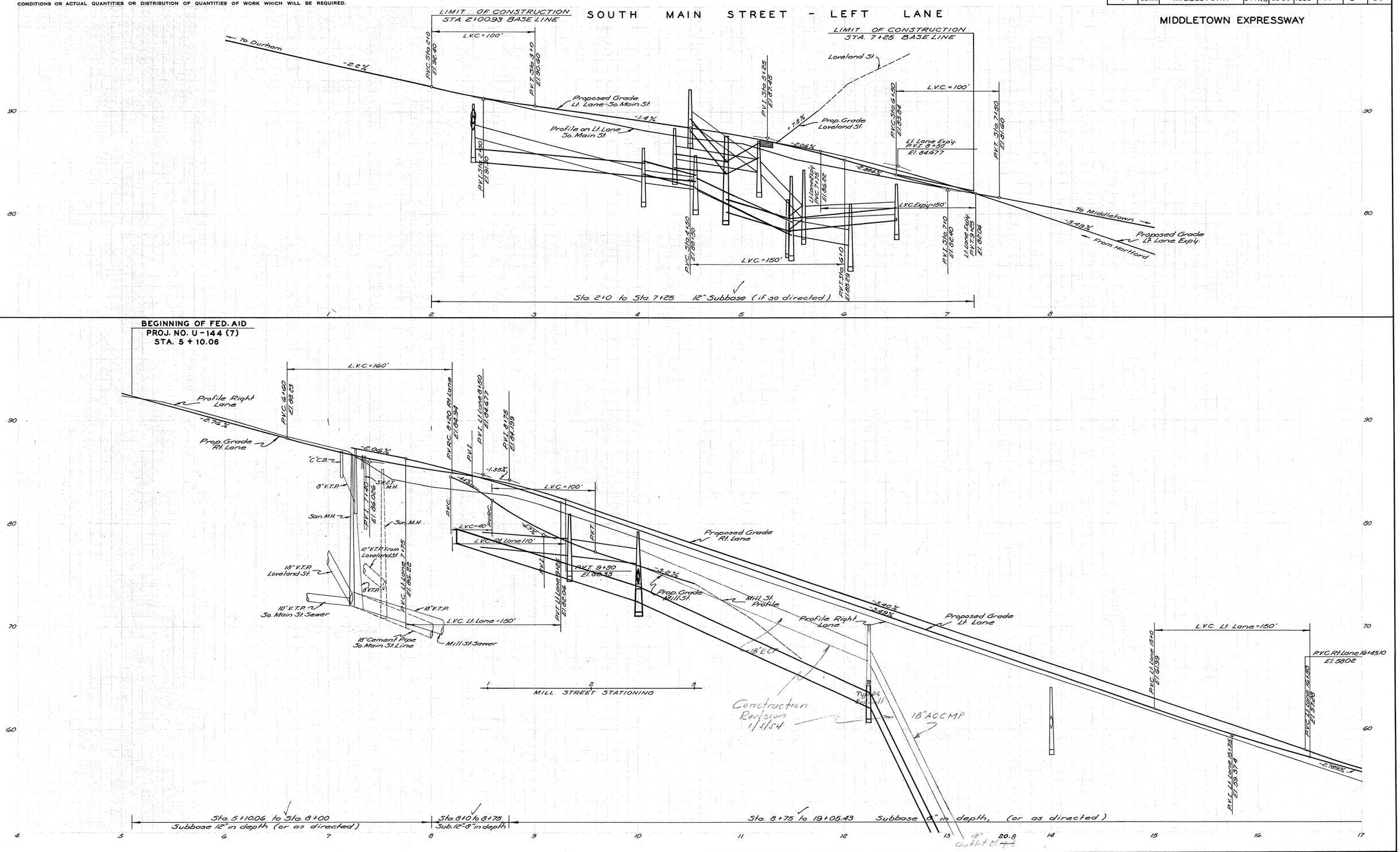
FORM NO. ENG. 12 ED. 2-49

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	8	57

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

MIDDLETOWN EXPRESSWAY

SOUTH MAIN STREET - LEFT LANE



Plotted		
Grades Plotted	Fer/Bas	May 53
Traced	Fer/Bas	May 53
New Const. Noted	Fer/Bas	Apr 53
Designed	Mecc.	Apr 53

NOTE BOOK NO.

TRACING CLOTH

176.08

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	9 & 17	9	57

MIDDLETOWN EXPRESSWAY

Minimum Width of Right of Way = 180 ft.

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PLAN		
NOTE BOOK		
NO.		
	BY	DATE
Surveyed		
Plotted		
Traced	W.S. Bissell	April 1953
Designed	Macri	1953
New Const. noted	W.S. Bissell	April 1953

H. M. WHITTEMORE CO.

82 90 176 08

FORM NO. ENG. 12 ED3

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	9&17	10	57

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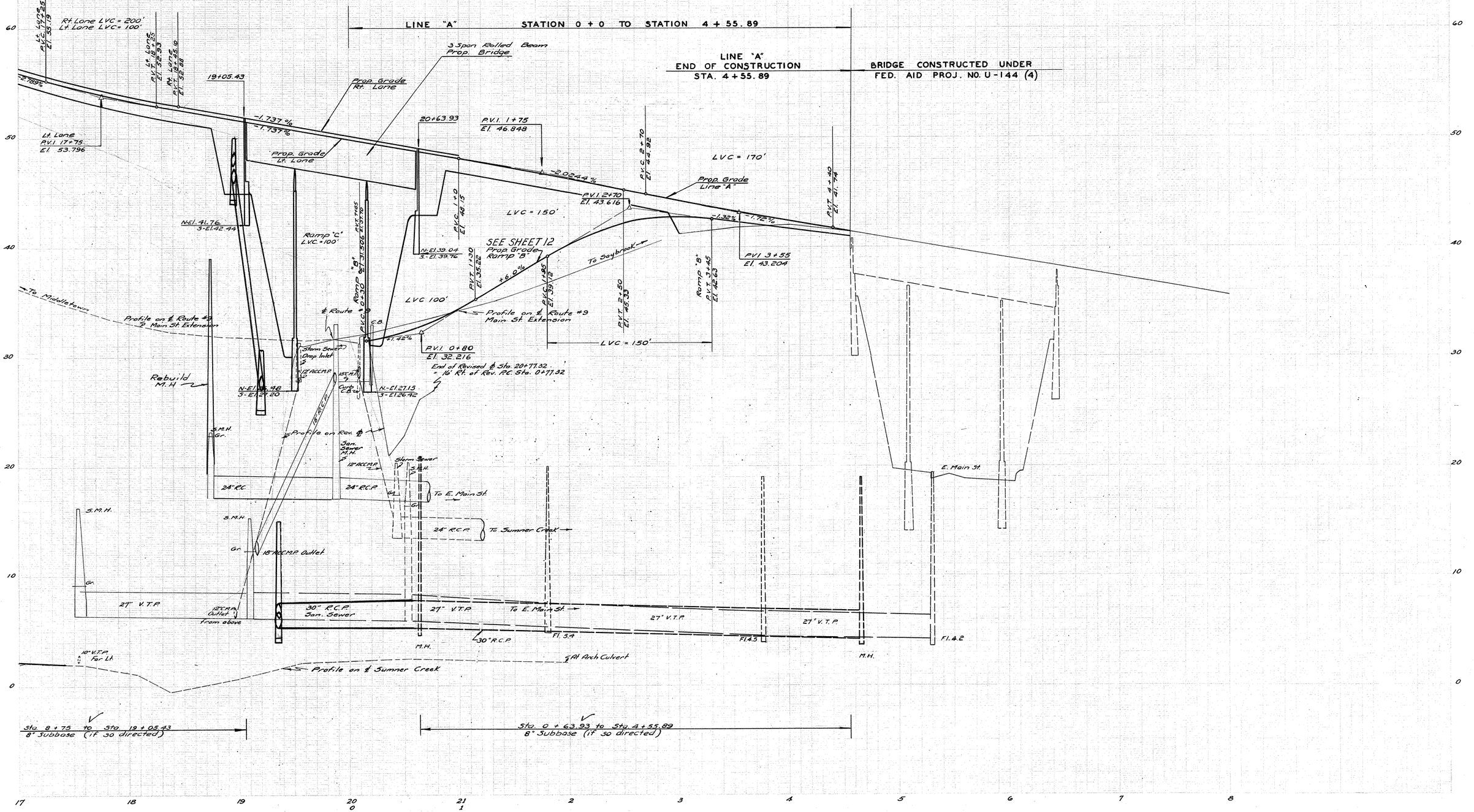
MIDDLETOWN EXPRESSWAY
MAIN LINE & LINE "A"



NOTE BOOK NO. 82-68 H.H.

Grades Plotted
Traced
New Const. Noted
Designed

82 90

176 08

10

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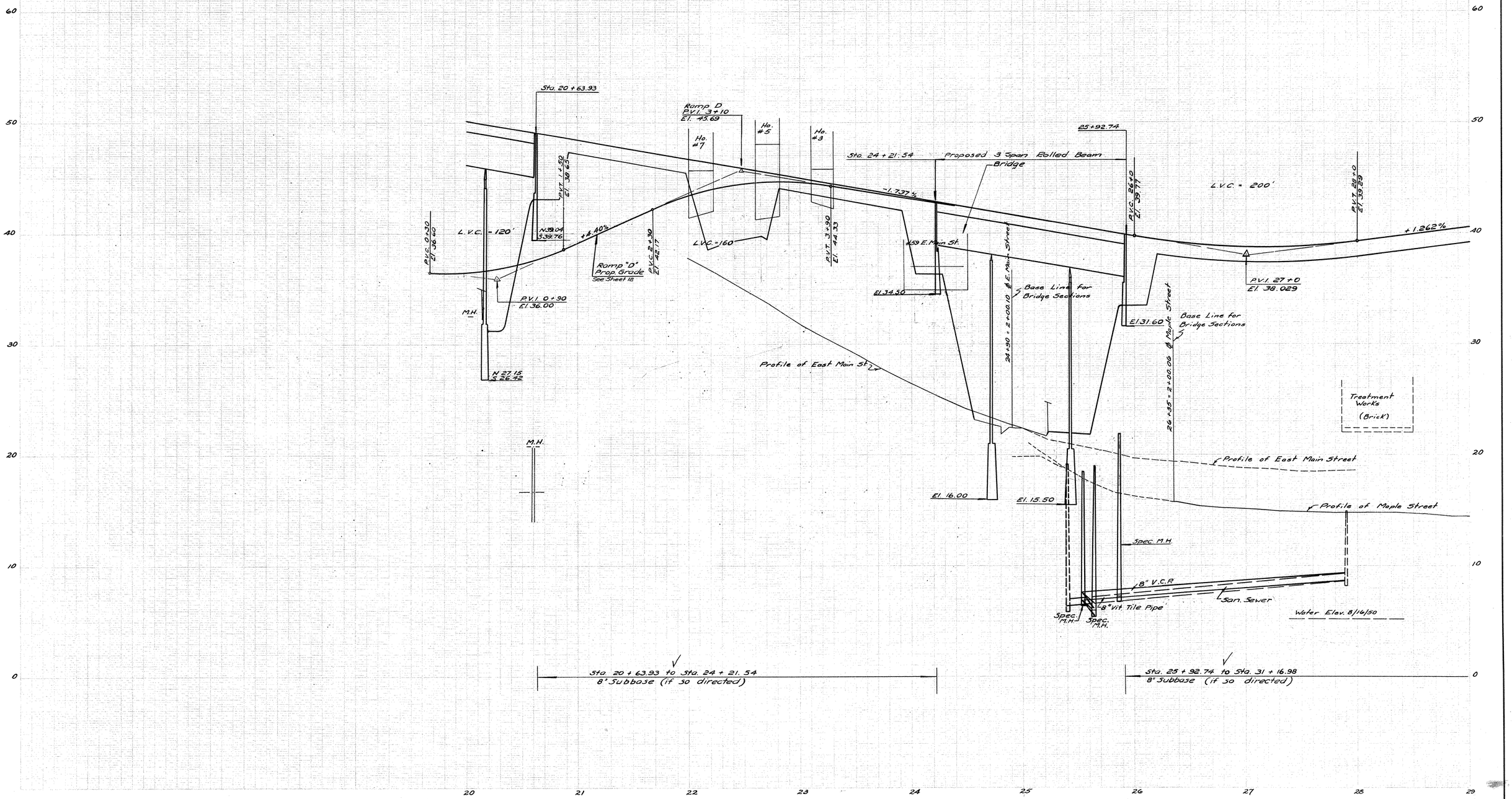
FORM NO. ENG. 12 ED3

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	9&17	11	57

MIDDLETOWN EXPRESSWAY
LINE "B"



NOTE BOOK NO.
Grades Plotted
Traced
New Const. Noted
Designed
A.J. Becker
Nov. 1950
Betty Cicolla
April 1951

82 90

176 08

11

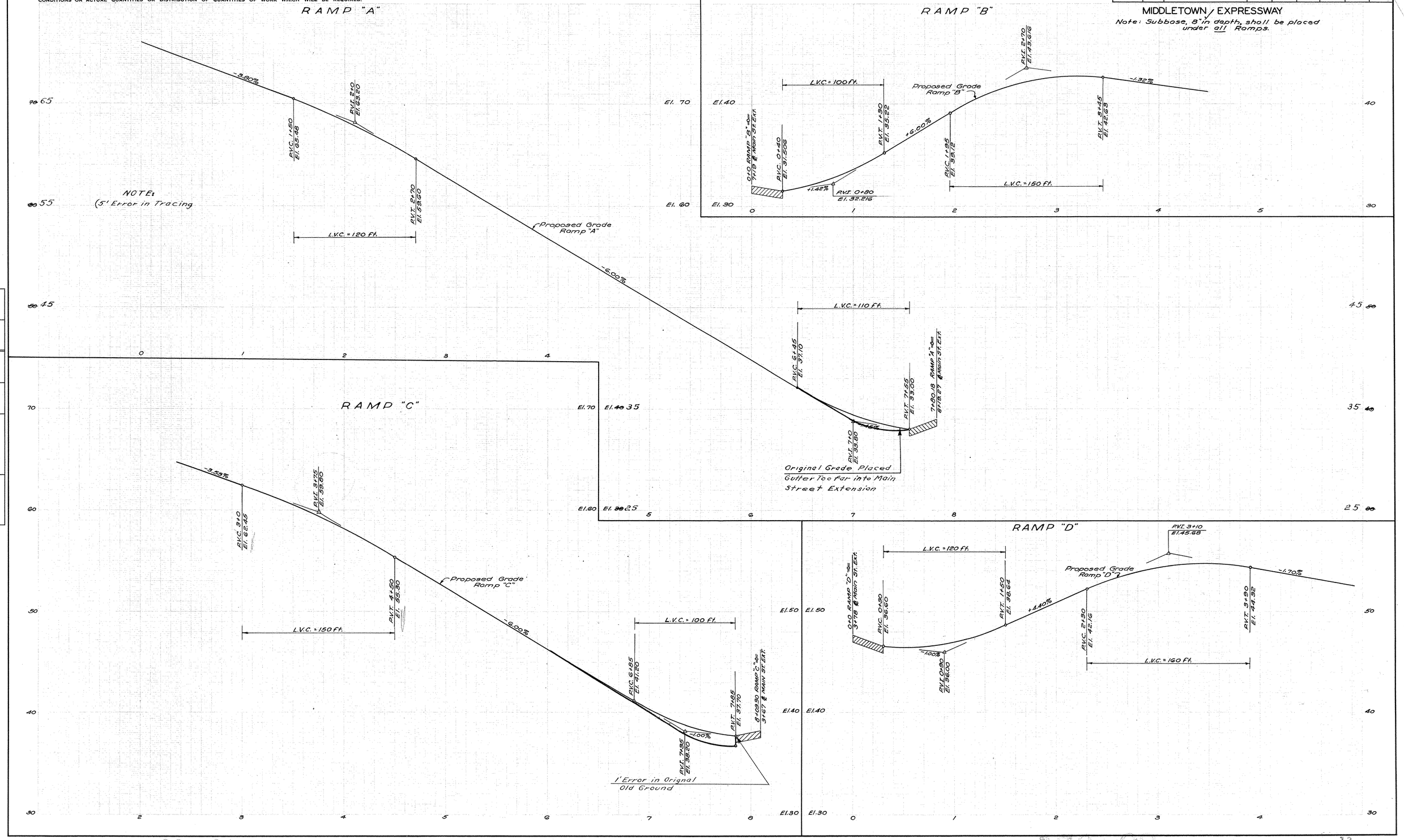
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

FORM NO. ENG. 12 ED. 3

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144( )	82-90	1953	9&17	12	57

MIDDLETOWN / EXPRESSWAY

Note: Subbase, 8" in depth, shall be placed under all Ramps.



NOTE BOOK NO.

Grades Plotted	Macri	April '53
Traced	W.S. Bissell	May '53
New Const. Noted	W.S. Bissell	May '53
Designed	Macri	April '53

82 90

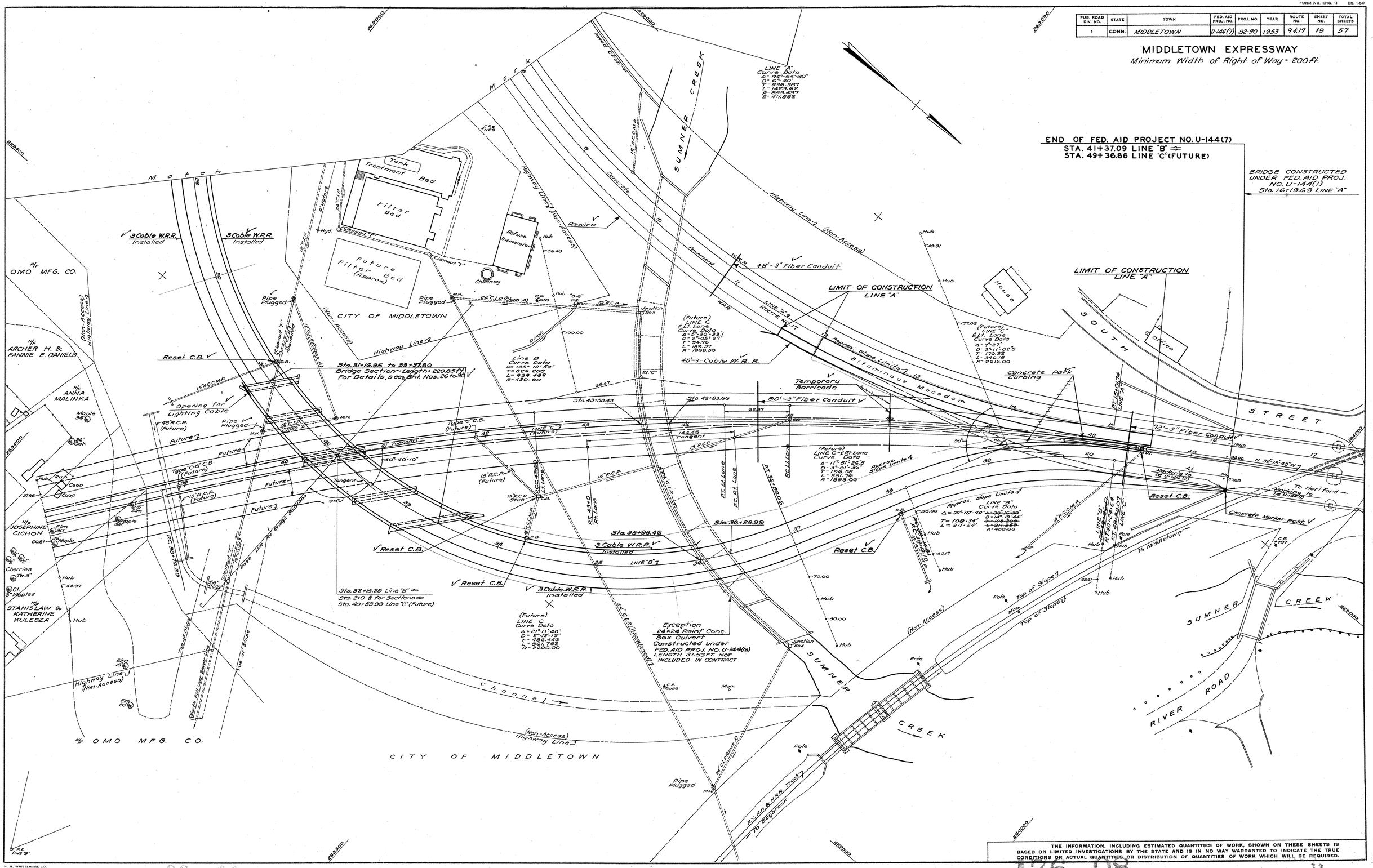
176 08

FORM NO. ENG. 11 ED. 1-50

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	9 & 17	13	57

MIDDLETOWN EXPRESSWAY

Minimum Width of Right of Way = 200 ft.



PLAN	Surveyed				
	Traced & Profiled	W.S.Bissell	May 1938		
	Traced & Reproduced	Macri	1938		
	Designed	W.S.Bissell	May 1938		
	New Const. noted				
NOTE BOOK					
NO.					

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H. M. WHITTEMORE CO.

82 90

176 08

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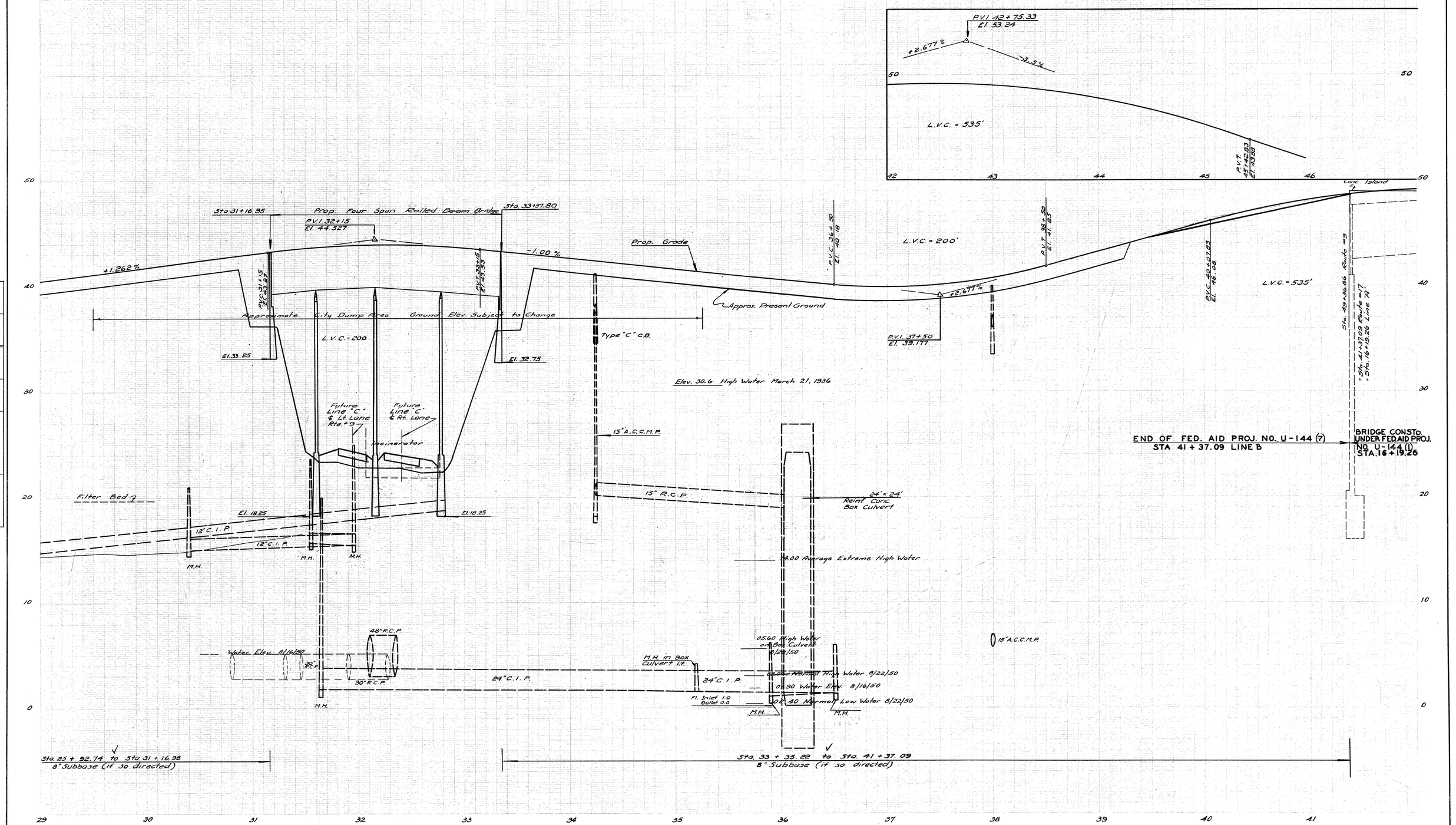
FORM NO. ENG. 12 ED3

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	B2-90	1953	9&17	14	57

MIDDLETOWN EXPRESSWAY
LINE "B"



NOTE BOOK NO.

Grades Plotted
Traced
New Const. Noted
Designed

82 90

176 08

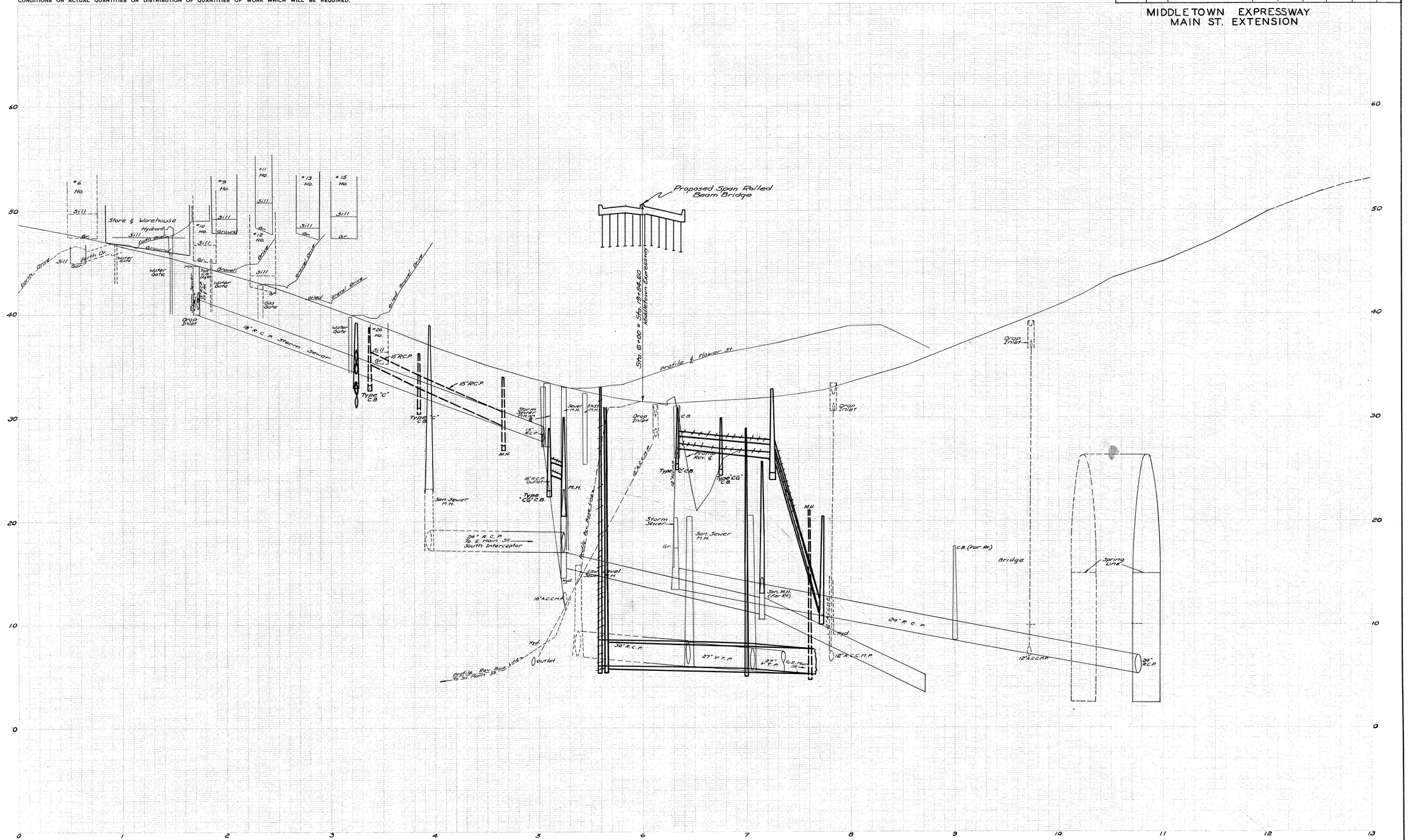
14

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

FORM NO. ENG. 12 ED3

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	9 & 17	15	57

MIDDLETOWN EXPRESSWAY
MAIN ST. EXTENSION



NOTE BOOK NO.

Grades Plotted
Traced
New Const. Noted
Designed

82 90

176 08

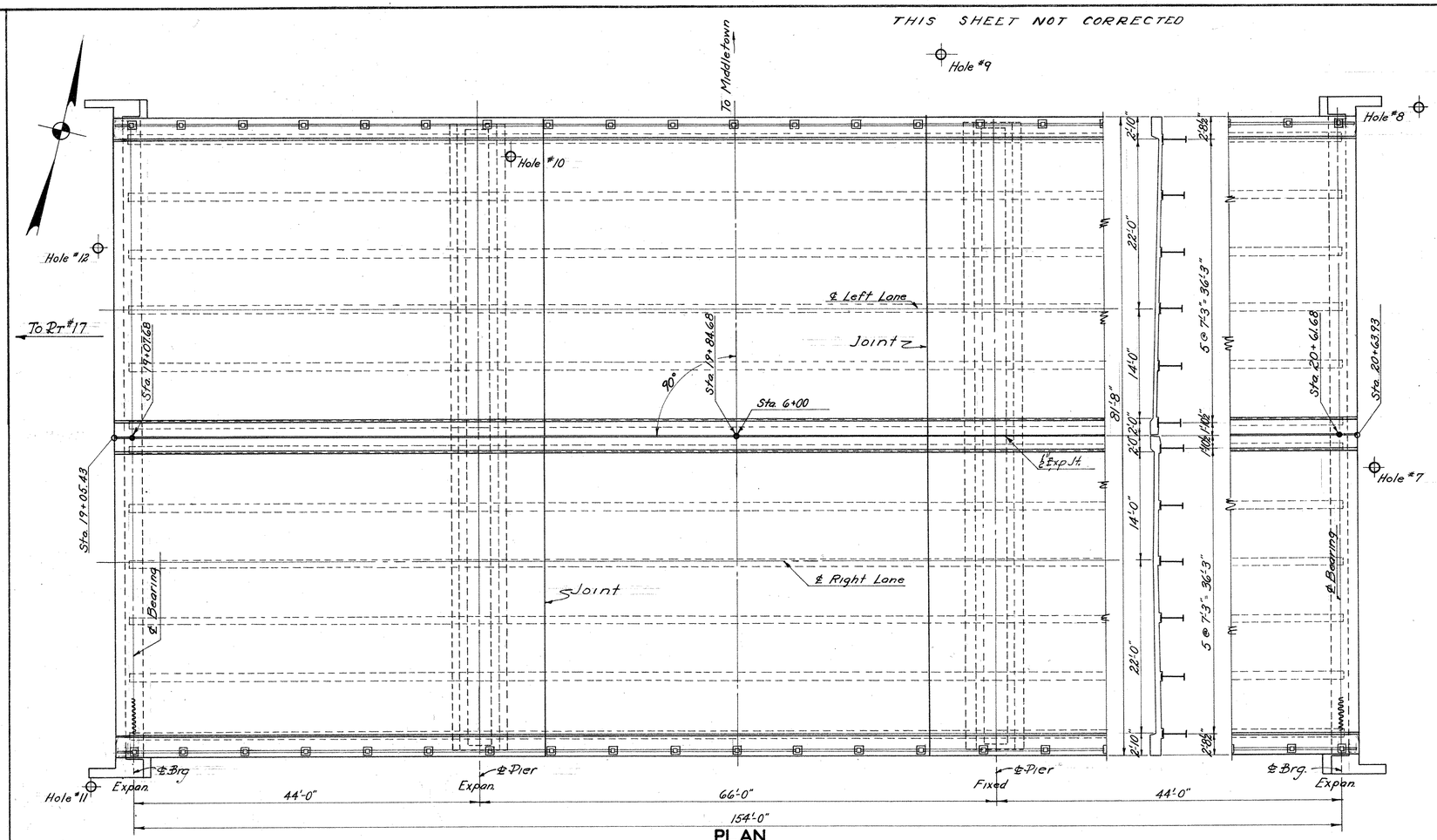
15

FORM NO. ENG. 15 ED. 8-48

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	9&17	16	57

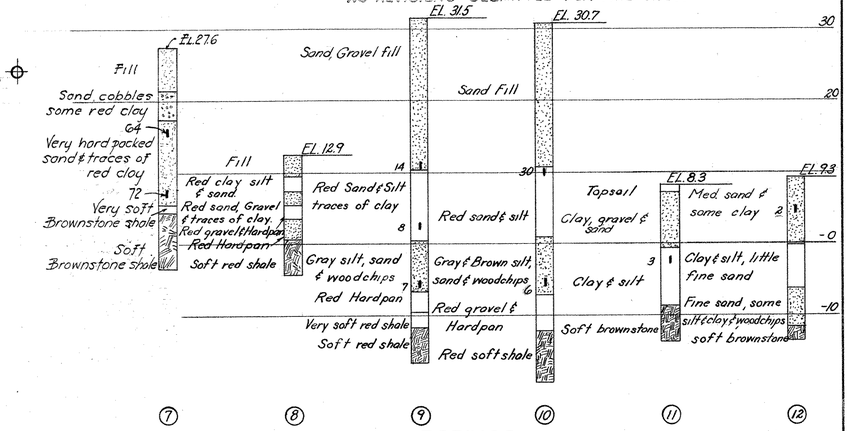
NO REVISIONS SUBMITTED FOR THIS SHEET

THIS SHEET NOT CORRECTED



PLAN

Scale 1/8" = 1'-0"



BORINGS

G4-8 etc. indicates the number of blows to drive a 2 1/2" sampler pipe 1'-0" with a 300# weight falling 2 ft.

NOTES

Specifications: Conn. State Highway Dept. Form 807 (1947).
Live Load: H20-S16-44.
Design Specifications: A.A.S.H.O. 1949 with revisions to date.
Concrete: Class "A" Concrete to be used throughout.
Paint: All exposed surfaces of structural steel and Metal Bridge Rail to have three coats of paint; one shop coat of zinc chromate and iron oxide and two field coats of paint of a color and shade as directed. No shop paint for contact or field welding surfaces or surfaces in contact with concrete.
All corners and exposed edges to be beveled 1"x1" unless otherwise dimensioned.
No boulders over 6 inches in greatest dimensions shall be permitted in Fill where Piles for East & West Abutments are to be driven. Fill at Abuts assumed to be 1'-0" above bottom of footing for Br. Excav.
Quantities are approximate only and should be checked by the Contractor before preparing his bid.

CONCRETE BREAKDOWN

Footings: Piers	194
Substructure: Abuts.	162
Piers	89
Slab	330
TOTAL C.Y.'s -	775

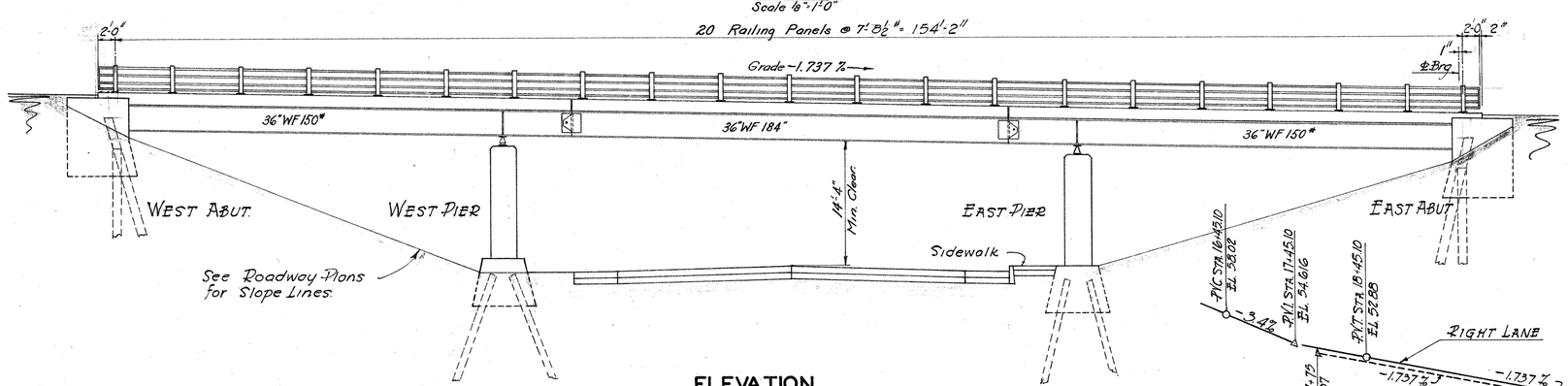
ESTIMATED PILE LENGTHS

West Abut - 24 @ 65'	1560'
West Pier - 34 @ 50	1700'
East Pier - 34 @ 40	1360'
East Abut - 24 @ 50	1200'
TOTAL LF -	5820'

QUANTITIES

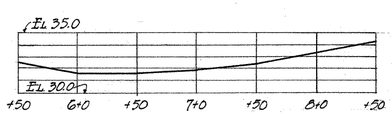
	BRIDGE EXCAVATION	CY	380
	PORTLAND CEMENT	BBL	1100
	NATURAL CEMENT	BBL	200
**	CLASS A CONCRETE	CY	775
	1/2" PREM. BIT. JT. FILLER FOR BRIDGES	SF	210
	3/4" " " " " "	SF	85
	DEFORMED STEEL BARS	LB.	125637
	METAL FLASHING (Copper)	LB.	15
	DAMPPROOFING	SY.	195
	PERVIOUS MATERIAL	CY	380
	FURNISHING STEEL PILES	LB.	278,100
	DRIVING STEEL PILES	LF	5820
*	STRUCTURAL STEEL	LB.	400,700

* Bridge Rail to be paid for as Structural Steel.
** Joint seal material shall be included in contract unit price for Class A Concrete. See Special Provisions.

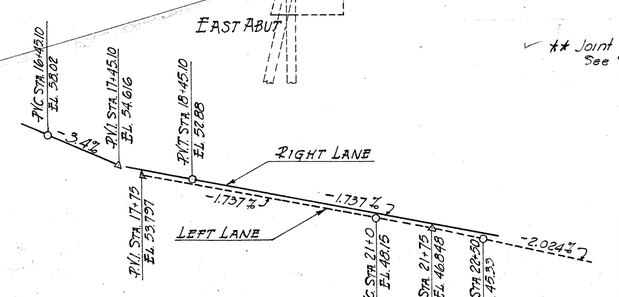


ELEVATION

Scale 1/8" = 1'-0"



PROFILE - MAIN ST. EXTENSION



GRADE - EXPRESSWAY

FED. AID PROJ. - U-144(7)

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY OVER MAIN ST. EXTENSION
GENERAL PLAN

DESIGNED BY V.F.P.
SCALES 1/8" = 1'-0"
MADE BY T.S.R. DATE 1-12-51
CHECKED BY C.C.R. DATE 2-7-51
APPROVED J. R. Drury DATE 4/12/57
PROJECT NO. 82-68-03B
BRIDGE SHEET NO. 1 OF 3

STANDARD No. 15

Joyce Blueprint Co., Inc., New York, N. Y. No. 151 Testing Cloth

82 90 176 08

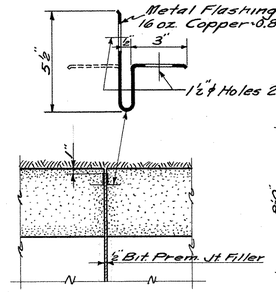
THIS SHEET NOT CORRECTED

NO REVISIONS SUBMITTED FOR THIS SHEET

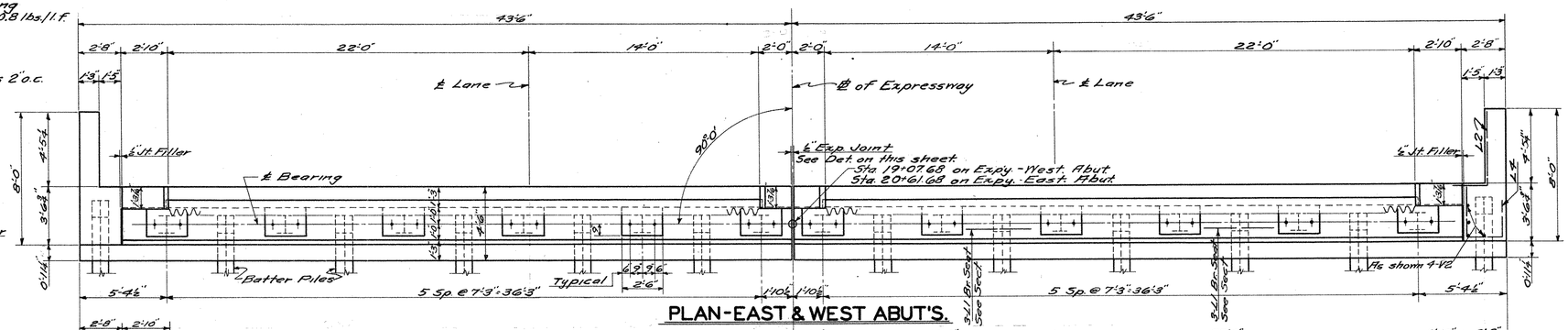
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	1953	9817	17	57

BAR LIST

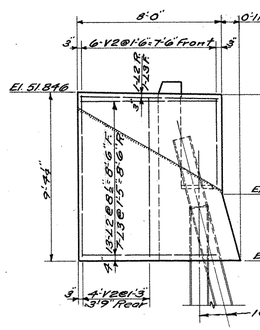
Mark	No.	Size	Type	Length	Weight
A1	176	5/8"	Det.	6'-6"	1193
A2	176	5/8"	"	7'-9"	1423
L1	208	5/8"	Str.	22'-6"	3126
L2	53	"	Det.	7'-0"	248
L3	29	"	Str.	7'-9"	150
L4	16	"	Det.	7'-3"	77
Y1	10	5/8"	Str.	9'-3"	96
Y2	364	"	"	8'-9"	3322
Y3	10	"	"	9'-0"	94
			Total Weight		9729#



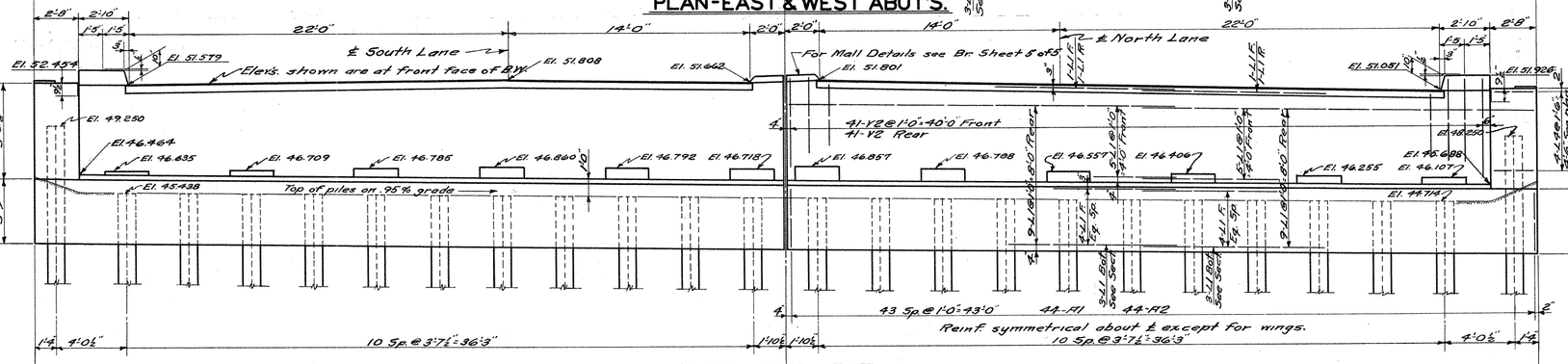
JOINT DET'S.
Scale 1"=1'-0"



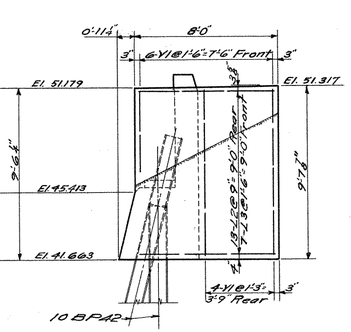
PLAN-EAST & WEST ABUT'S.



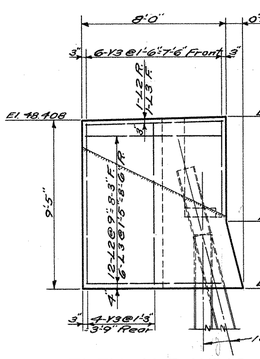
ELEV.- S.W. WING



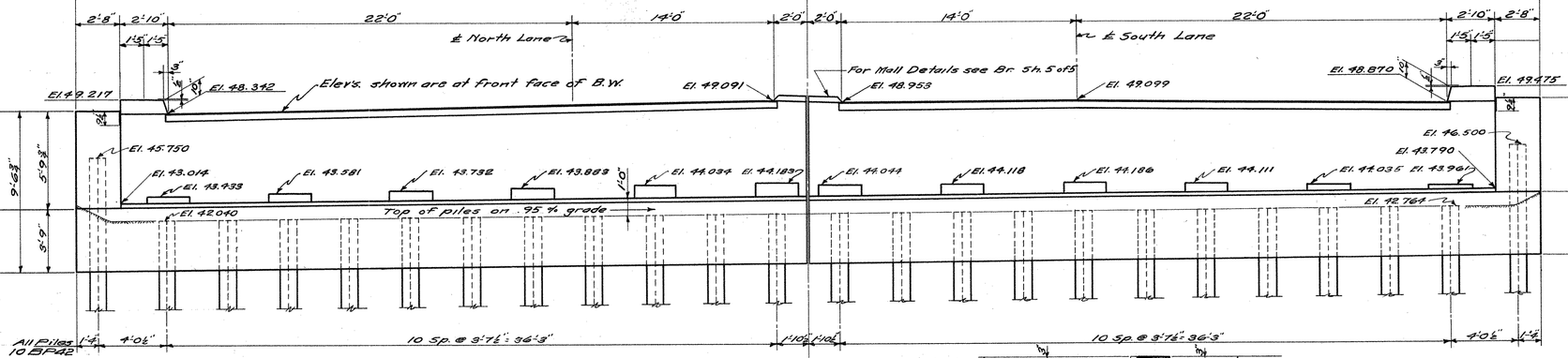
ELEV.- WEST ABUT.



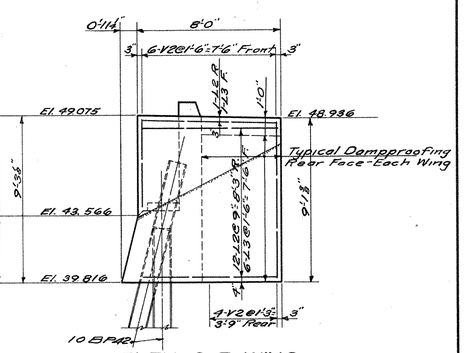
ELEV.- N.W. WING



ELEV.- N.E. WING

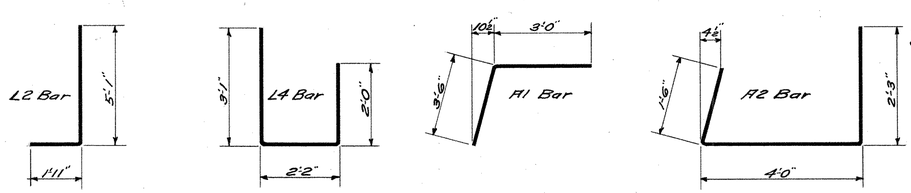


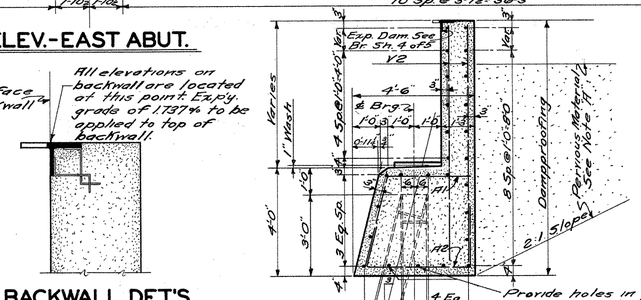
ELEV.- EAST ABUT.



ELEV.- S.E. WING

Note: Pile length at East Abut. 50'-0"
" " West Abut. 65'-0"
Max. Pile Load = 27 Tons @ Vert. Pile 33 Tons @ Batter Pile.

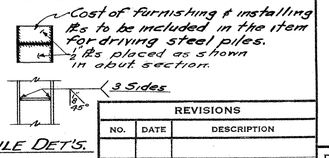




BACKWALL DET'S.
Scale 1"=1'-0"

ABUT. SECT.
Scale ¼"=1'-0"

Note "A"
Pervious Material to be placed as shown except insofar as undisturbed material obtrudes within this area.



PILE DET'S.

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
OVER
MAIN ST. EXTENSION
ABUTMENTS

DESIGNED BY V.F.P.
SCALES ¼"=1'-0" except as noted
MADE BY W.F.D. DATE 1-8-51
CHECKED BY C.B.D. DATE 1-25-51
APPROVED J. D. Drury DATE 4/13/51

PROJECT NO. 82-68-03B
BRIDGE SHEET NO. 2 OF 5

STANDARD No. 17

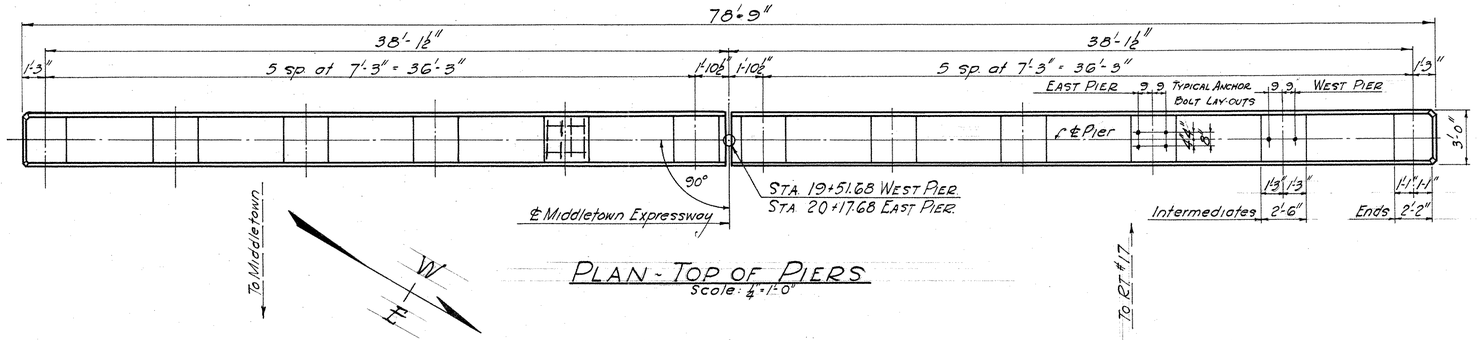
82 90 176 08

THIS SHEET NOT CORRECTED

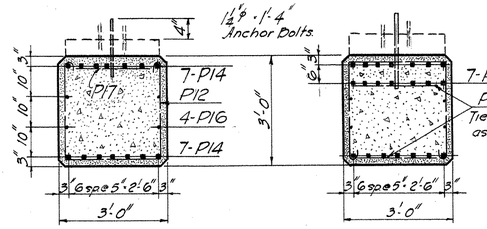
NO REVISIONS SUBMITTED FOR THIS SHEET

FORM NO. ENG. 15 ED. 8-48

PUB. ROAD DIV. No.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	9517	18	57

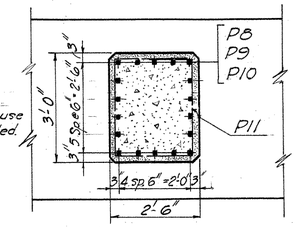


PLAN - TOP OF PIERS
Scale: ¼" = 1'-0"

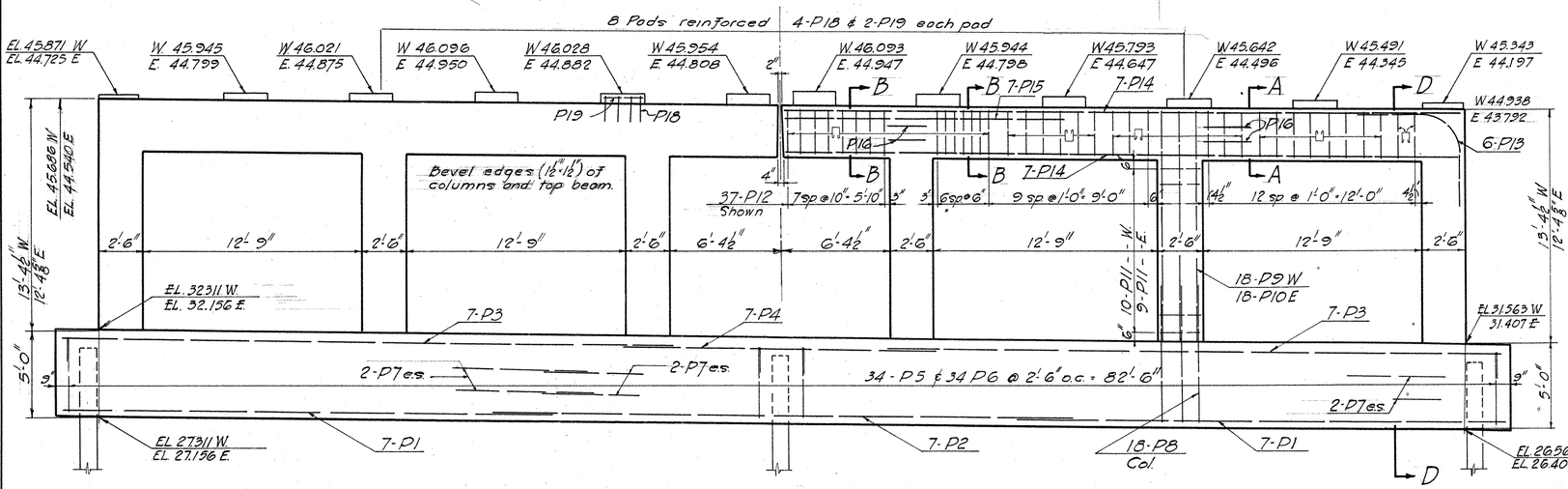


SECTION - A - A
Scale: ½" = 1'-0"

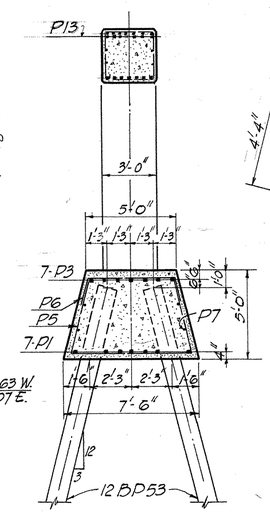
SECTION - B - B
Scale: ½" = 1'-0"



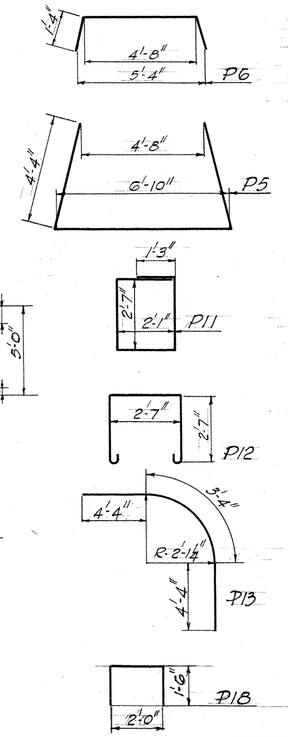
COLUMN SECTION
Scale: ½" = 1'-0"



ELEVATION - LOOKING WEST
Scale: ¼" = 1'-0"



SECTION - D - D
Scale: ¼" = 1'-0"



BAR LIST

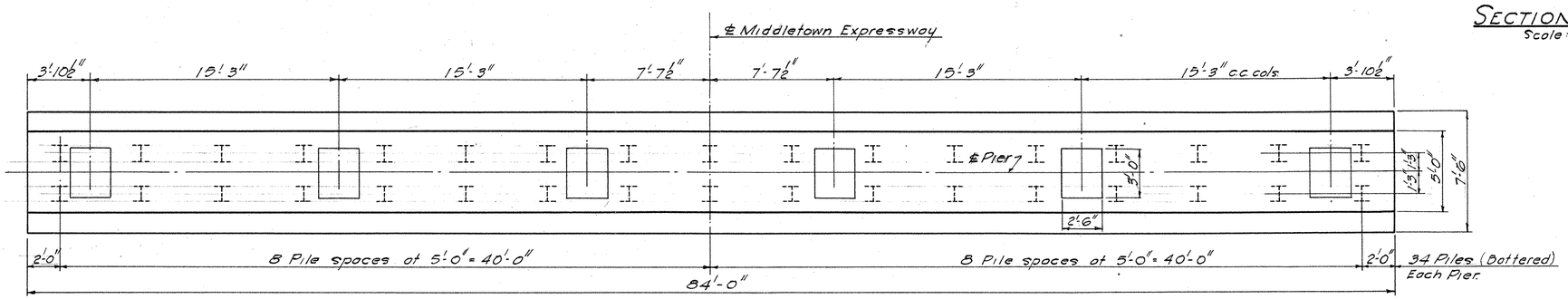
MARK	No.	SIZE	LENGTH	WEIGHT	REMARKS
P1	28	1½"□	28'-0"	3374	STR.
P2	14	1½"□	33'-6"	2018	"
P3	28	1½"□	35'-6"	4277	"
P4	14	1½"□	18'-0"	1084	"
P5	68	⅝"ϕ	15'-6"	1099	DET.
P6	68	⅝"ϕ	7'-4	520	"
P7	24	⅝"ϕ	30'-0"	751	STR.
P8	216	1"□	8'-6	6242	"
P9	108	1"□	13'-0"	4774	"
P10	108	1"□	12'-0	4406	"
P11	114	⅝"ϕ	10'-7"	806	DET.
P12	148	½"ϕ	9'-0"	890	"
P13	24	1"□	12'-0"	979	"
P14	56	1½"□	38'-9	9338	STR.
P15	28	1½"□	16'-0	1928	"
P16	32	⅝"ϕ	20'-0"	668	"
P17	80	⅝"ϕ	2'-6	209	"
P18	64	½"ϕ	5'-0"	214	DET.
P19	32	½"ϕ	2'-3"	48	STR.

BOTH PIERS - 43,625 TOTAL

SHEET NOTES

Steel Bearing Piles to be driven to rock.
Estimated lengths.
West Pier - 50'
East Pier - 40'
Maximum pile load 45 ton.

See sheet one(1) for relation of East Pier footing and sidewalk.



PLAN - FOOTINGS
Scale: ¼" = 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
BRIDGE OVER
MAIN STREET EXTENSION
EAST AND WEST PIERS

DESIGNED BY V.F.P. & C.C.R.
SCALES As Noted
MADE BY C.C.R. DATE 1/11/51
CHECKED BY C.B.D. DATE 1-30-51
APPROVED J. D. Drury DATE 4/13/67

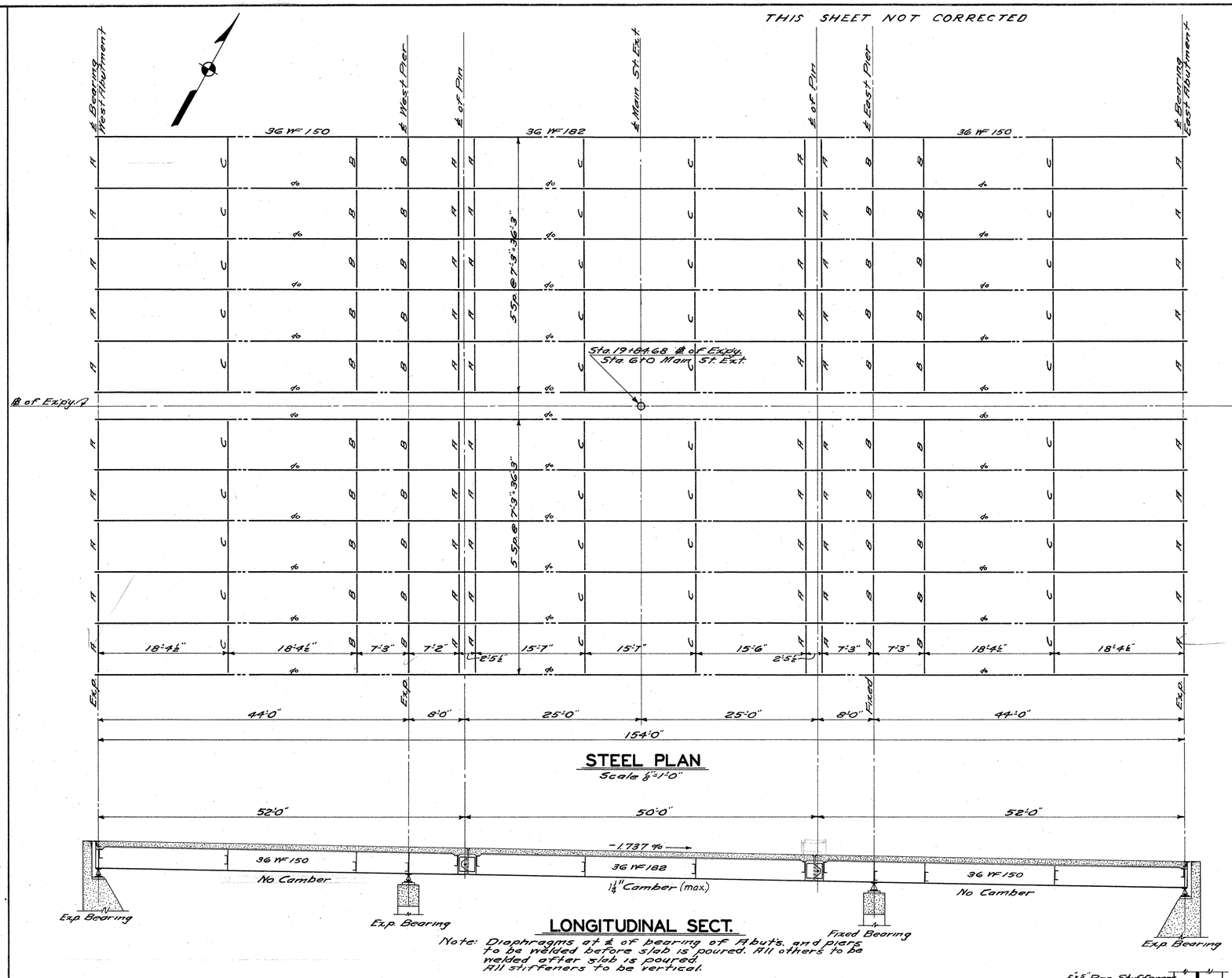
PROJECT NO. 82-68
BRIDGE SHEET NO. 3 OF 5

FORM NO. ENG. 15 ED. 8-48

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1958	9 of 17	19	57

NO REVISIONS SUBMITTED FOR THIS SHEET

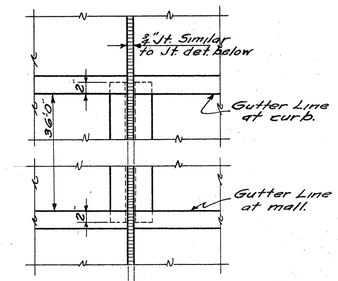
THIS SHEET NOT CORRECTED



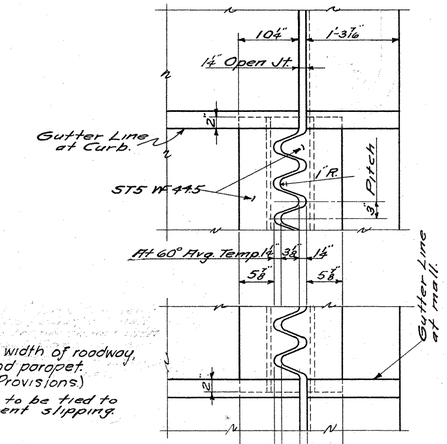
STEEL PLAN
Scale ⅛"=1'-0"

LONGITUDINAL SECT.

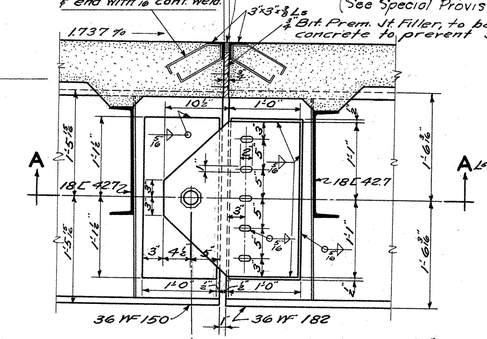
Note: Diaphragms at ℄ of bearing of Abuts. and piers to be welded before slab is poured. All others to be welded after slab is poured. All stiffeners to be vertical.



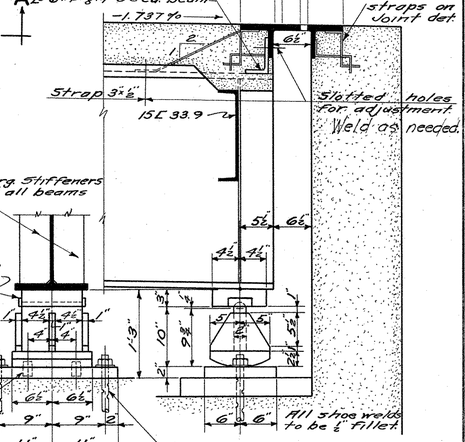
CURB DETAILS



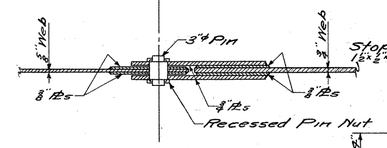
CURB DETAILS



HINGE & JOINT DET'S.
Scale 1"=1'-0"

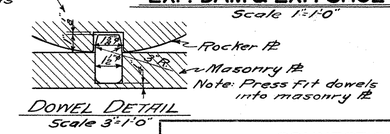


EXP. DAM & EXP. SHOE DET'S.
Scale 1"=1'-0"



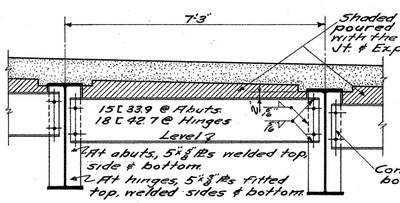
SECTION A-A

Note:
Shop Paint: One coat of zinc chromate and Iron oxide. No paint on surfaces in contact with concrete or parts to be welded.
Field Paint: Two coats of a color and shade as directed by the Eng.



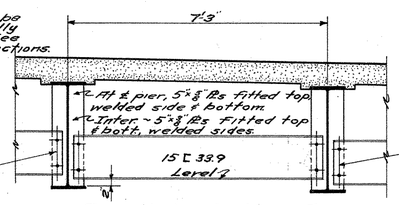
DOWEL DETAIL
Scale 3"=1'-0"

00860



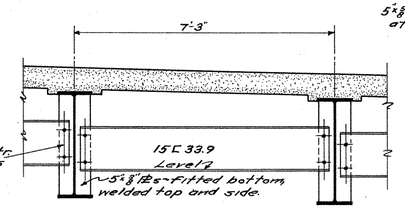
Stiffener to beam weld to be ¼" fillet.

DIAPHRAGM A
Scale ½"=1'-0"



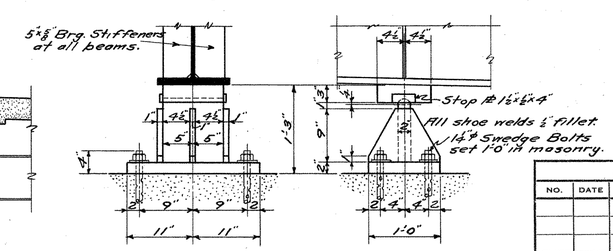
For welds see diaphragm A

DIAPHRAGM B
Scale ½"=1'-0"



For welds see diaphragm A

DIAPHRAGM C
Scale ½"=1'-0"



FIXED SHOE DET'S.
Scale 1"=1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
OVER
MAIN ST. EXTENSION
STRUCTURAL STEEL

DESIGNED BY V.F.P.
SCALES As noted
MADE BY W.F.D. DATE 12-11-50
CHECKED BY C.C.R. DATE 1-17-51
APPROVED J. D. Drewry DATE 4-12-51
PROJECT NO. 82-68-03B
BRIDGE SHEET NO. 4 OF 8

STANDARD No. 19

Cognese Dietzgen Co., Inc., New York, N. Y. No. 131 Tracing Cloth

82 90

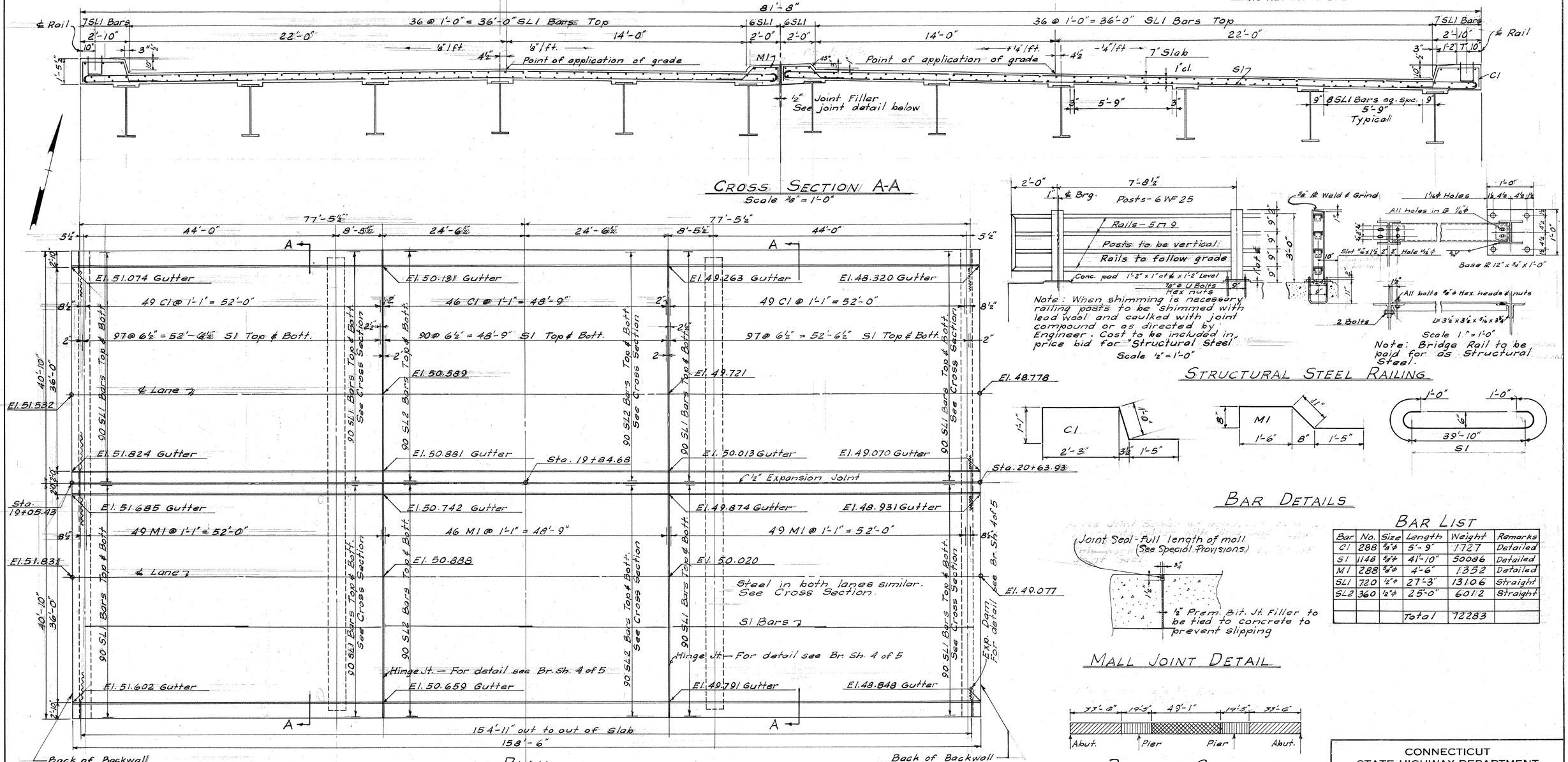
176 08

FORM NO. ENG. 18 ED. 8-48

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	8290	1953	9817	20	57

THIS SHEET NOT CORRECTED

NO REVISIONS SUBMITTED FOR THIS SHEET



BAR LIST

Bar	No.	Size	Length	Weight	Remarks
C1	288	5/8" ⌀	5'-9"	1727	Detailed
S1	1148	5/8" ⌀	41'-10"	50086	Detailed
M1	288	5/8" ⌀	4'-6"	1352	Detailed
SL1	720	1/2" ⌀	27'-3"	13106	Straight
SL2	360	1/2" ⌀	25'-0"	6012	Straight
			Total	72283	

REVISIONS		
NO.	DATE	DESCRIPTION
1	1-21-54	Pouring Sequence

CONNECTICUT
STATE HIGHWAY DEPARTMENT

TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
OVER
MAIN ST. EXTENSION
SLAB & RAILING

DESIGNED BY V.F.P.
SCALES As Noted
MADE BY C.B.D. DATE 1-10-51
CHECKED BY C.C.R. DATE 2-6-51
APPROVED J. D. Drury DATE 4/13/51

PROJECT NO. 82-68
BRIDGE SHEET NO. 5 OF 5

STANDARD No. 20

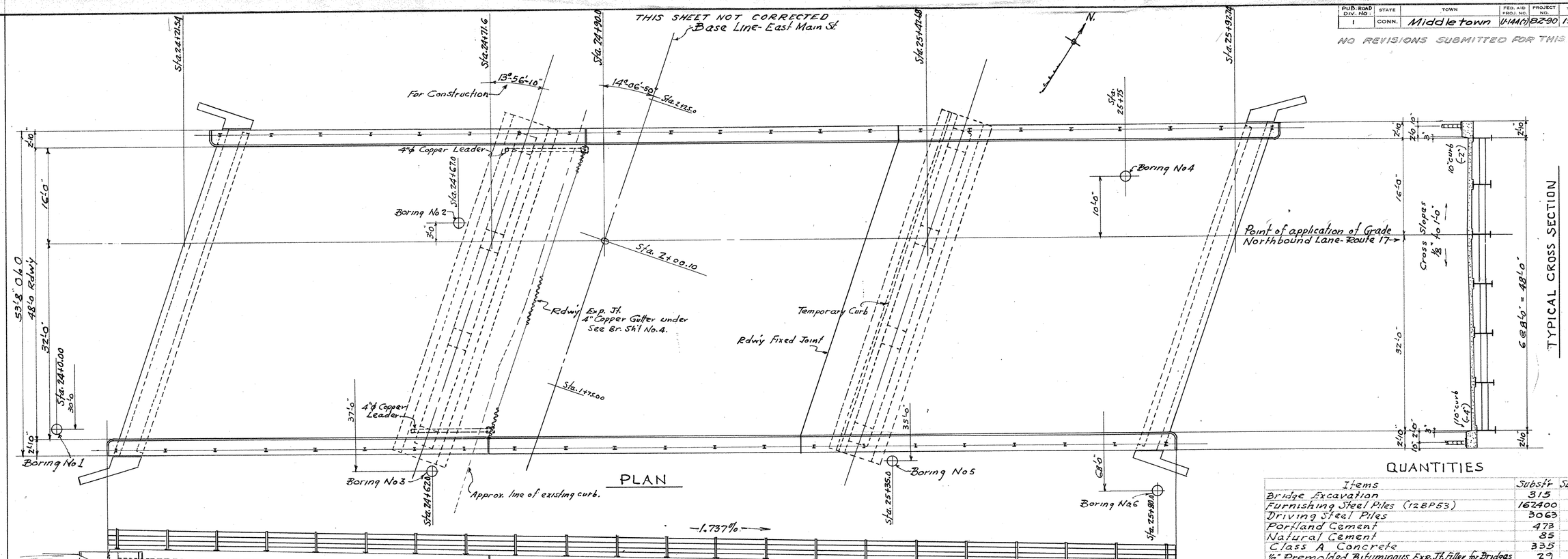
Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Tracing Cloth

82 90 176 08

FORM NO. ENG. 15 ED. 8-48

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	BZ-90	1953	9 & 17	21	57

NO REVISIONS SUBMITTED FOR THIS SHEET

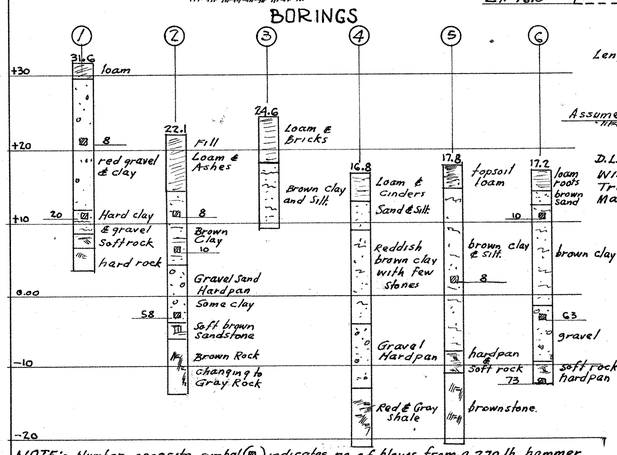


QUANTITIES

Items	Subst'r	Superst'r	Total	Unit
Bridge Excavation	315		315	C.Y.
Furnishing Steel Piles (12BP53)	162400		162400	Lbs
Driving Steel Piles	3063		3063	L.F.
Portland Cement	473	341	814	Bbls
Natural Cement	85	62	147	Bbls
Class A Concrete	335	241	576	C.Y.
½" Premolded Bituminous Exp. Jt. Filler for Bridges	29	31	60	S.F.
Deformed Steel Bars	37253	59130	96383	Lbs.
Structural Steel		287000	287000	Lbs.
Metal Flashing (Copper)	120		120	Lbs.
Damp Proofing	112		112	S.Y.
Pervious Material			285	C.Y.
Copper Gutters & Leaders (20 oz.)		150	150	Lbs.

NOTE:- Bridge Rail to be paid for as Structural Steel

BORINGS



NOTE:- Number opposite symbol (■) indicates no. of blows from a 270 lb hammer falling an average of 1'-0" to drive a 2½" sampler pipe 1'-0 into earth

NOTES

Specifications - Conn. State Highway Dept. Form 807 and A.A.S.H.O. with latest revisions
Live Load - H20 S16-44 - Impact Factor 50/L+125
Class "A" Concrete to be used for entire structure.
Structural Steel (bridge rail included) is to receive one shop coat of zinc Chromate and Iron Oxide paint, except no paint for surfaces in contact with concrete and surfaces to be field welded.
Field Paint to be two coats of color & shade to be specified.
All exposed corners of concrete to be bevelled 1"x1" unless otherwise noted.
The cost of furnishing & placing tar paper at slip joints, cost of splash protection at copper leaders to be included in general cost of Contract.
See Special Provisions for "Joint Seal" and for "Copper Gutter & Leaders"
Bridge Excavation estimate assumes that fill slopes at abut's, and at East Pier are in place and levelled off 1'-0" above bott. of concrete.
Quantities are approximate only and do not relieve the Contractor of responsibility of checking them in preparing his bid.

Concrete Notes:- Joint Seal material shall be included in the contract unit price for Class "A" Concrete

Concrete Distribution

Footings	158	C.Y.
Substructure	177	C.Y.
Superstructure	241	C.Y.

FED. AID PROJECT U144(7)

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
NORTHBOUND LANE ROUTE 17
BRIDGE OVER E. MAIN ST. STA. 24+90.0
GENERAL PLAN

DESIGNED BY H.E.J. & H.W.W.
SCALES ⅛" = 1'-0"
MADE BY H.W.W. DATE 3/7/61
CHECKED BY H.E.J. DATE 3/9/61
APPROVED J. D. Drury DATE 4/9/61

PROJECT NO. 82-68
BRIDGE SHEET NO. 1 OF 5

STANDARD No. 21

176 08

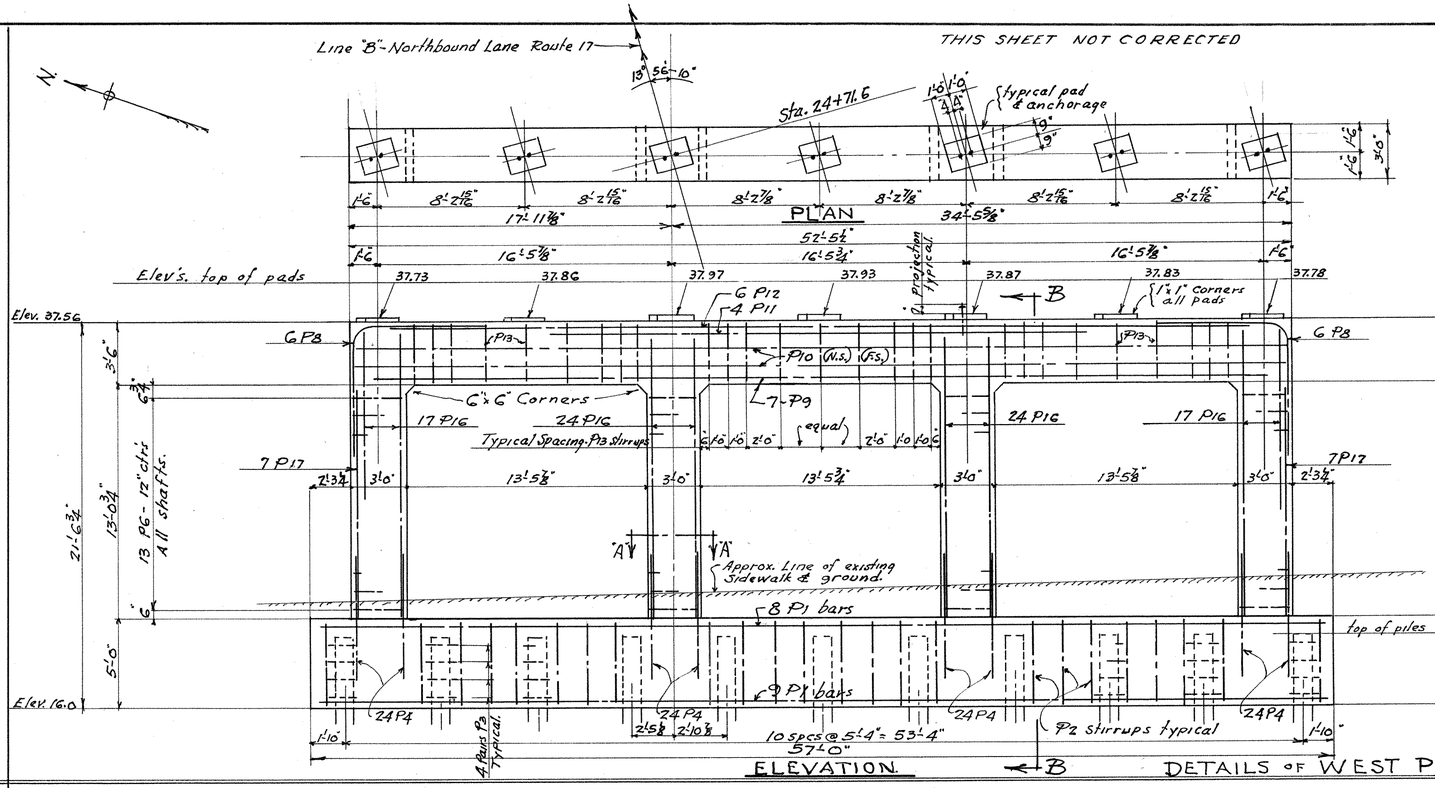
82 90

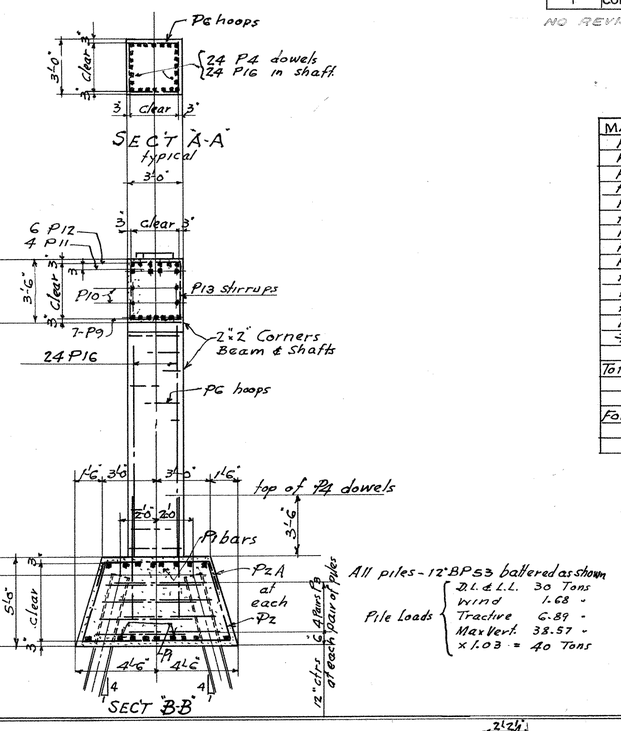
Eagleson Blueprinting Co., Inc., New York, N. Y. No. 151 Tracing Cloth

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	1953	9&17	22	57

THIS SHEET NOT CORRECTED

NO REVISIONS SUBMITTED FOR THIS SHEET



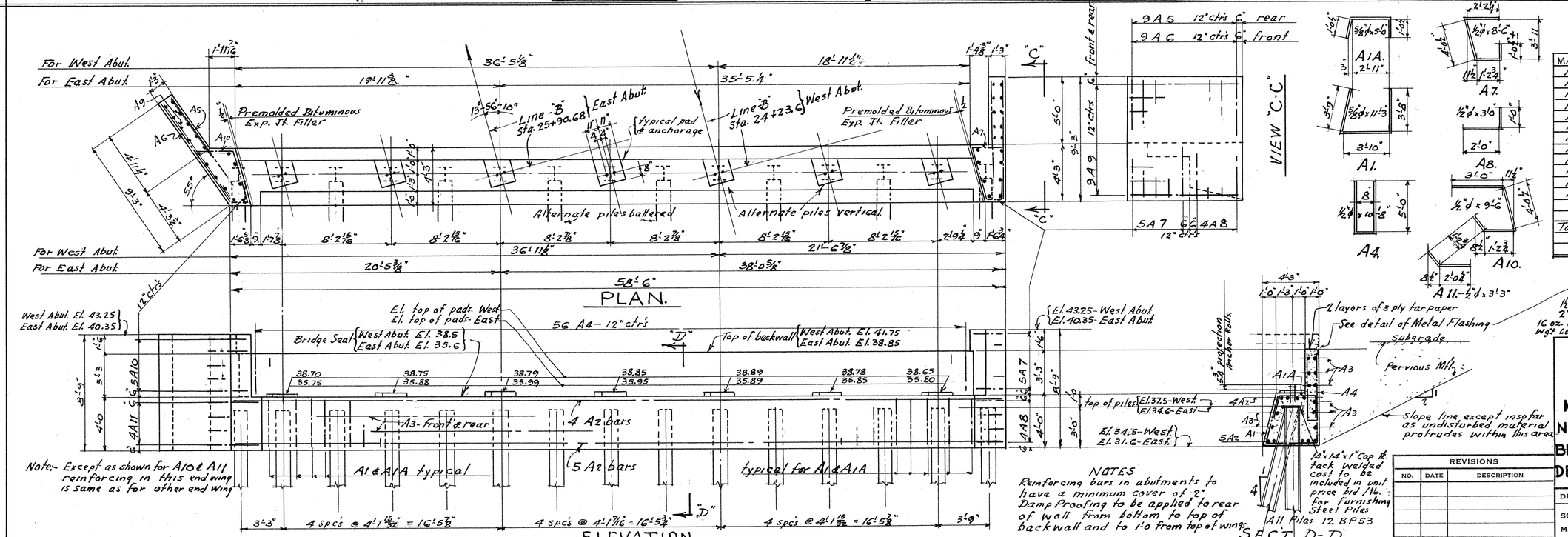


DETAILS OF WEST PIER

BAR LIST (west Pier)

MARK	NO.	SIZE	LENGTH	WEIGHT	REMARKS
P1	17	1" □	56'-0"	3237	Straight
P2	26	5/8" ø	17'-8"	479	Detailed
P2A	26	5/8" ø	8'-0"	217	
P3	88	1/2" ø	11'-6"	676	
P4	96	1" □	7-0"	2285	Straight
P6	52	1/2" ø	10-8"	371	Detailed
P8	12	1 1/4" □	14'-0"	723	
P9	7	1 1/4" □	50-0"	1506	Straight
P10	4	5/8" ø	51'-6"	215	
P11	4	1 1/4" □	30'-0"	516	
P12	6	1 1/4" □	48'-0"	1239	
P13	27	1/2" ø	11'-8"	210	Detailed
P16	82	1" ø	16'-0"	3503	Straight
P17	14	1" ø	12'-10"	480	
Total Deformed Steel Bars				15657	Lbs.

For details of bars noted in list See Bridge Sheet No. 3.



NOTES

Reinforcing bars in abutments to have a minimum cover of 2".
Damp Proofing to be applied to rear of wall from bottom to top of backwall and to 1'-0 from top of wing.

BAR LIST for WEST & EAST ABUTMENT

MARK	NO.	SIZE	LENGTH	WEIGHT	REMARKS
A1	78	5/8" ø	11'-3"	915	Detailed
A1A	78	5/8" ø	5'-0"	407	
A2	18	3/4" ø	58'-0"	1568	Straight
A3	22	5/8" ø	58'-0"	1330	
A4	112	1/2" ø	10'-8"	798	Detailed
A5	36	3/8" ø	8'-0"	300	Straight
A6	36	1/2" ø	8'-10"	212	
A7	10		8'-6"	57	Detailed
A8	8		3'-0"	16	
A9	72		8'-3"	397	Straight
A10	10		9'-6"	63	Detailed
A11	8		3'-3"	17	
Total For 2 abut's.				6080	Lbs
for each abut.				3040	Lbs

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
NORTHBOUND LANE ROUTE 17
BRIDGE OVER E. MAIN ST. STA. 24+90.0
DETAILS WEST PIER & ABUTMENTS

DESIGNED BY H.E.J. & H.W.W.
SCALES 4" = 1'-0
MADE BY H.W.W. DATE 1/16/51
CHECKED BY H.E.J. & W.R.P. DATE 2/7/51
APPROVED J. D. Drury DATE 4/9/51
PROJECT NO. 82-G
BRIDGE SHEET 2 OF 5

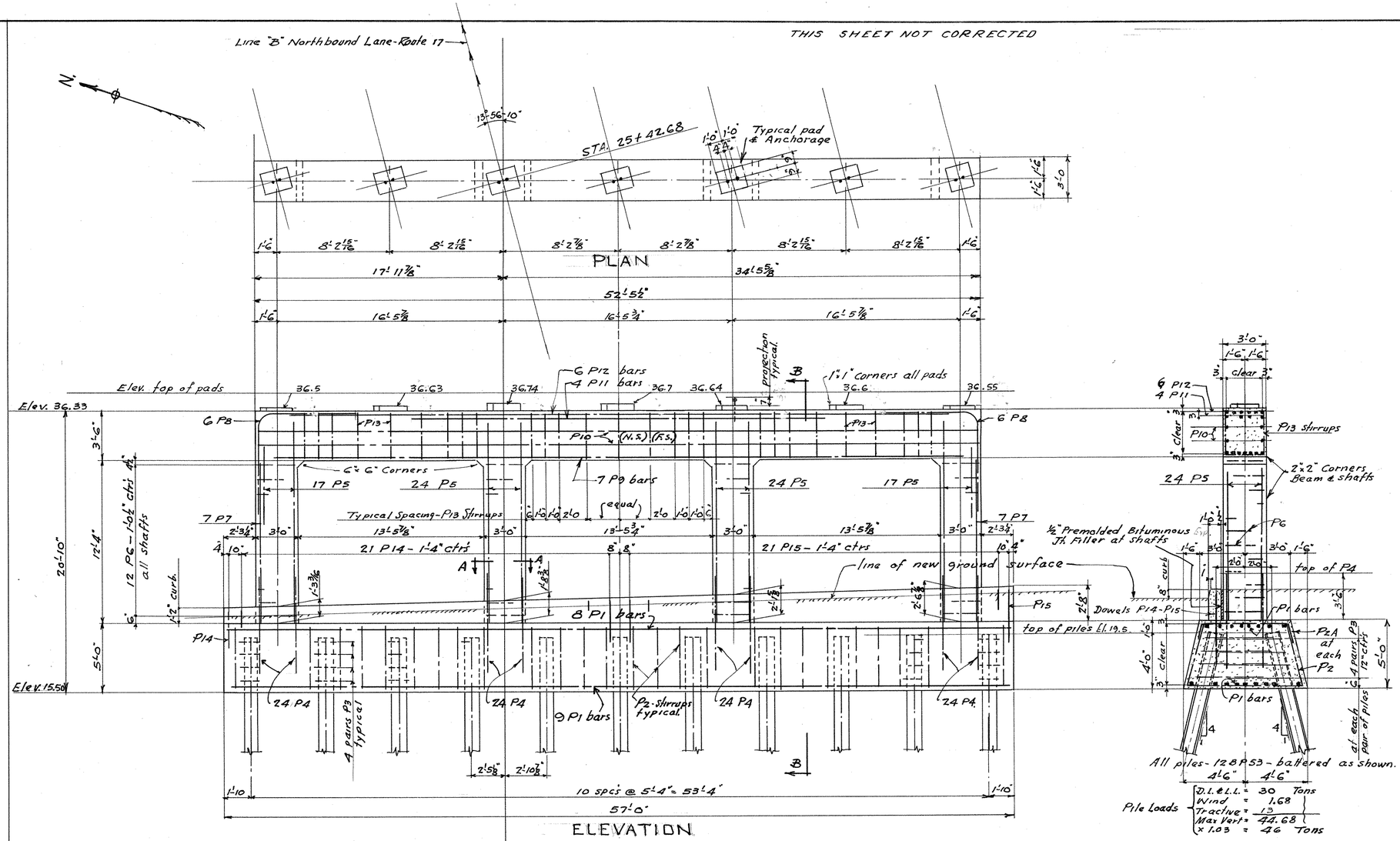
STANDARD No. 22

82 90 176 08

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	1959	9&17	23	57

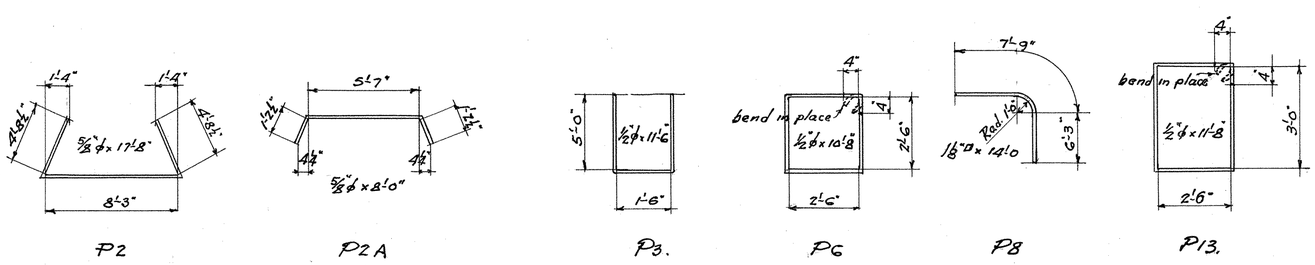
THIS SHEET NOT CORRECTED

NO REVISIONS SUBMITTED FOR THIS SHEET



BAR LIST (East Pier)

Mark	No.	Size	Length	Weight	Remarks
P1	17	1" □	56'-0"	3237	Straight
P2	26	5/8" ϕ	17'-8"	479	Detailed.
P2A	26	5/8" ϕ	8'-0"	217	
P3	88	½" ϕ	11'-6"	676	
P4	96	1" □	7'-0"	2285	Straight
P5	82	1" ϕ	15'-0"	3284	
P6	48	½" ϕ	10'-8"	342	Detailed
P7	14	1" ϕ	17'-2"	455	Straight
P8	12	1⅛" □	14'-0"	723	Detailed
P9	7	1⅛" □	50'-0"	1506	Straight
P10	4	5/8" ϕ	5'-6"	215	
P11	4	1⅛" □	30'-0"	516	
P12	6	1⅛" □	48'-0"	1239	
P13	27	½" ϕ	11'-8"	210	Detailed
P14	22		4'-0"	59	Straight
P15	22		5'-0"	73	
Total Deformed Steel Bars				15516	Lbs.



REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
NORTHBOUND LANE ROUTE 17
BRIDGE OVER E. MAIN ST. STA. 24+90.0
DETAILS EAST PIER

DESIGNED BY H.W.W.
SCALES 1/4" = 1'-0"
MADE BY H.W.W. DATE 1/9/61
CHECKED BY H.E.J. DATE 2/9/61
APPROVED J. D. Dorney DATE 4/9/61

PROJECT NO. 82-68
BRIDGE SHEET NO. 3 OF 5

STANDARD No. 23

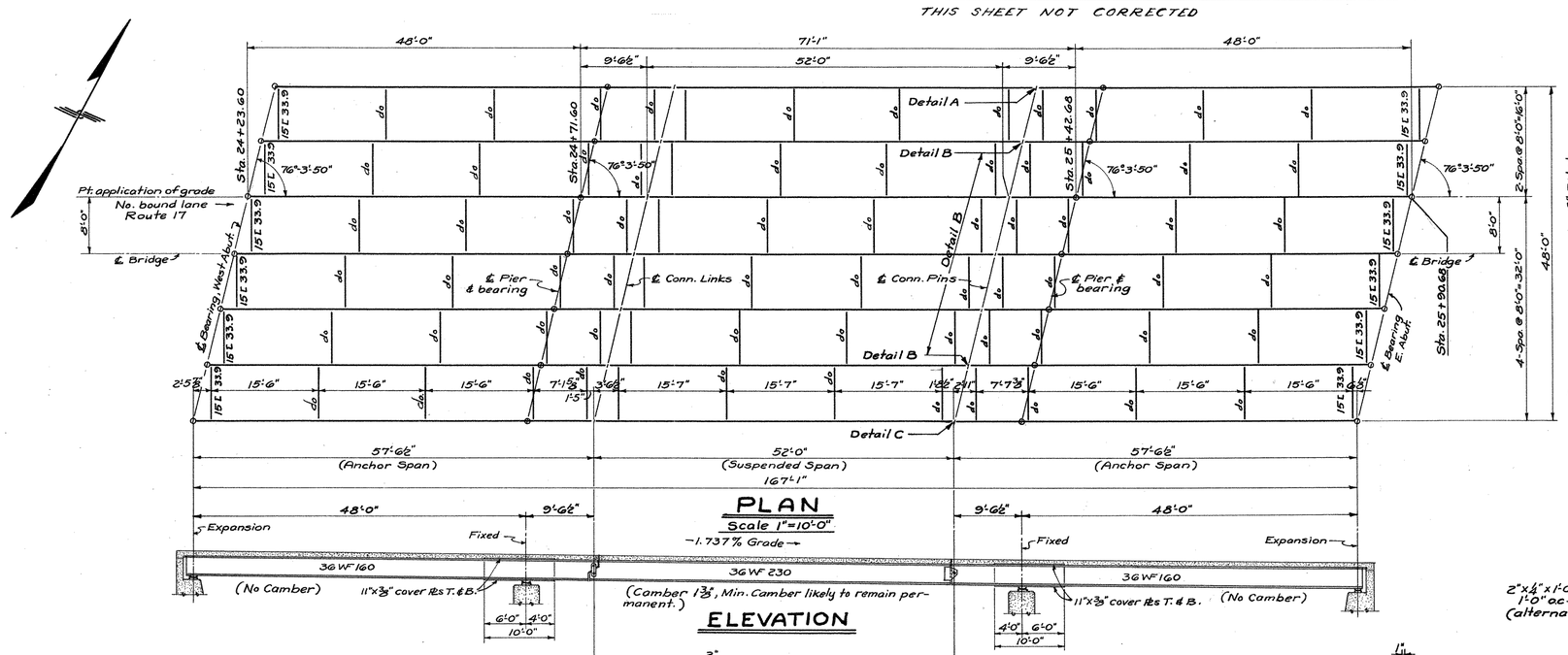
82 90

176 08

THIS SHEET NOT CORRECTED

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	1953	9517	24	57

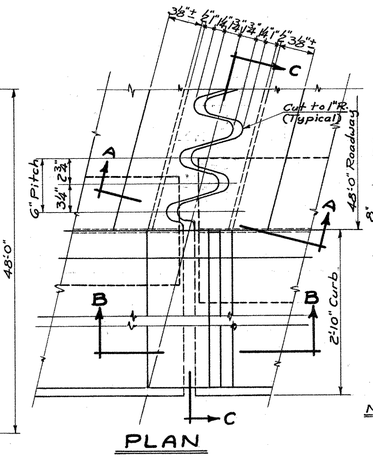
NO REVISIONS SUBMITTED FOR THIS SHEET



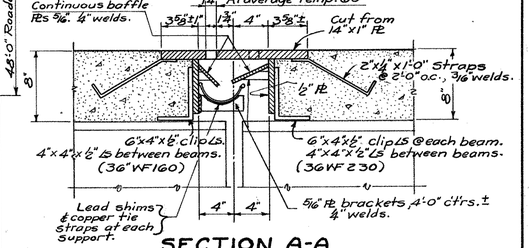
PLAN

Scale 1"=10'-0"

ELEVATION

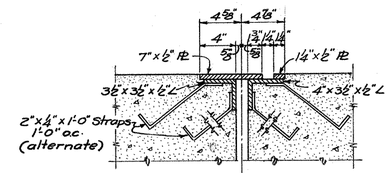


PLAN

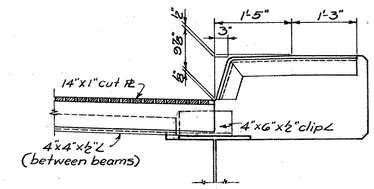


SECTION A-A

Notes: 4" gutter to be of 20 oz. copper and to be continuous between roadway curbs.
Grade to follow cross slopes to leaders as shown on Bridge Sh. No. 1.



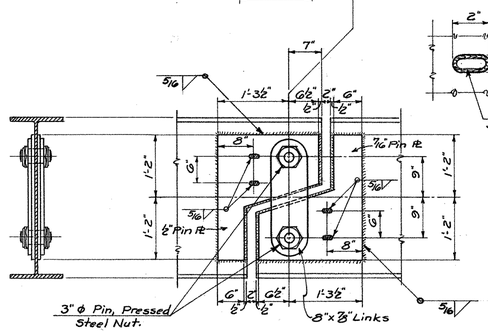
SECTION B-B



SECTION C-C

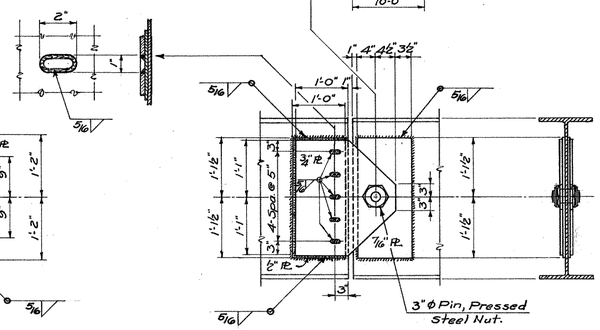
EXPANSION JOINT DETAILS-OVER LINK SUSPENSION

Scales 1½"=1'-0", ¾"=1'-0"



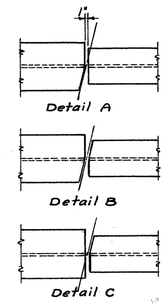
DETAIL-LINK SUSPENSION

Scale ¾"=1'-0"

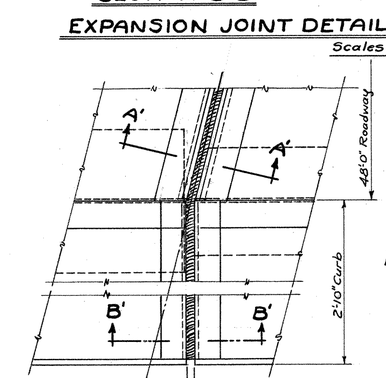


DETAIL-PIN SUSPENSION

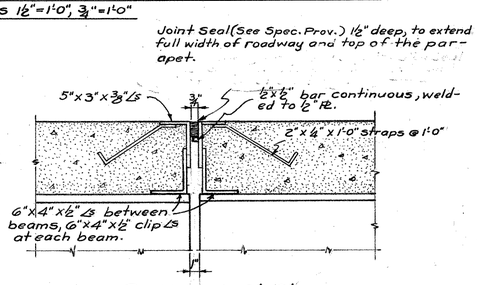
Scale ¾"=1'-0"



Cut top flanges of beams as shown. Over fixed Joints only.



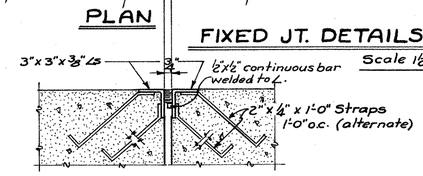
PLAN



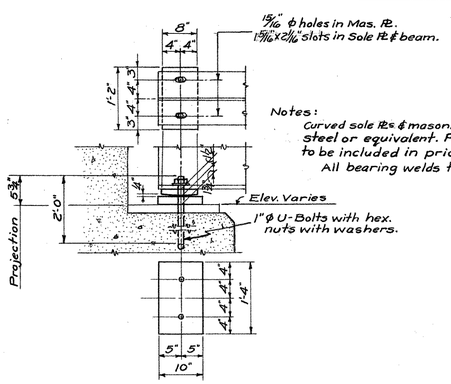
SECTION A'-A'

FIXED JT. DETAILS OVER PIN SUSPENSION

Scale 1½"=1'-0"



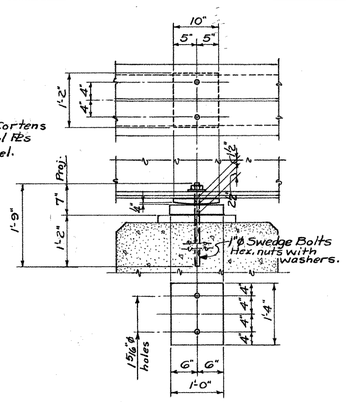
SECTION B'-B'



Notes:
Curved sole Pls & masonry Pls to be "Mayari-R" steel, Cortens steel or equivalent. Payment for these special Pls to be included in price bid for Structural Steel.
All bearing welds to be ½" continuous.

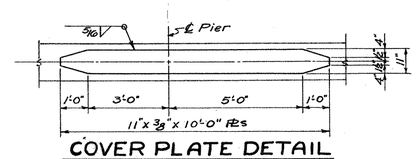
EXPANSION BEARING DETAIL AT BOTH ABUTMENTS

Scale ¾"=1'-0"



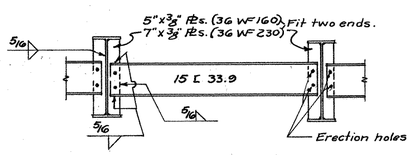
FIXED BEARING DETAILS AT BOTH PIERS

Scale ¾"=1'-0"



COVER PLATE DETAIL

Scale ⅜"=1'-0"



TYPICAL DIAPHRAGM DETAIL

Scale ⅜"=1'-0"

Note: Diaphragms at bearing of Abutments and Piers to be welded before slab is poured. All others to be welded after slab is poured. All stiffeners to be vertical.

00861

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
NORTHBOUND LANE ROUTE 17
BRIDGE OVER E. MAIN ST. STA 24+90.0
STRUCTURAL STEEL

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY H.E.J.
SCALES As Noted
MADE BY W.R.P. DATE 11/10/51
CHECKED BY H.W.W. DATE 1/30/51
APPROVED J. D. Drury DATE 4/7/51
PROJECT NO. 82-68
BRIDGE SHEET NO. 4 OF 5

STANDARD No. 24

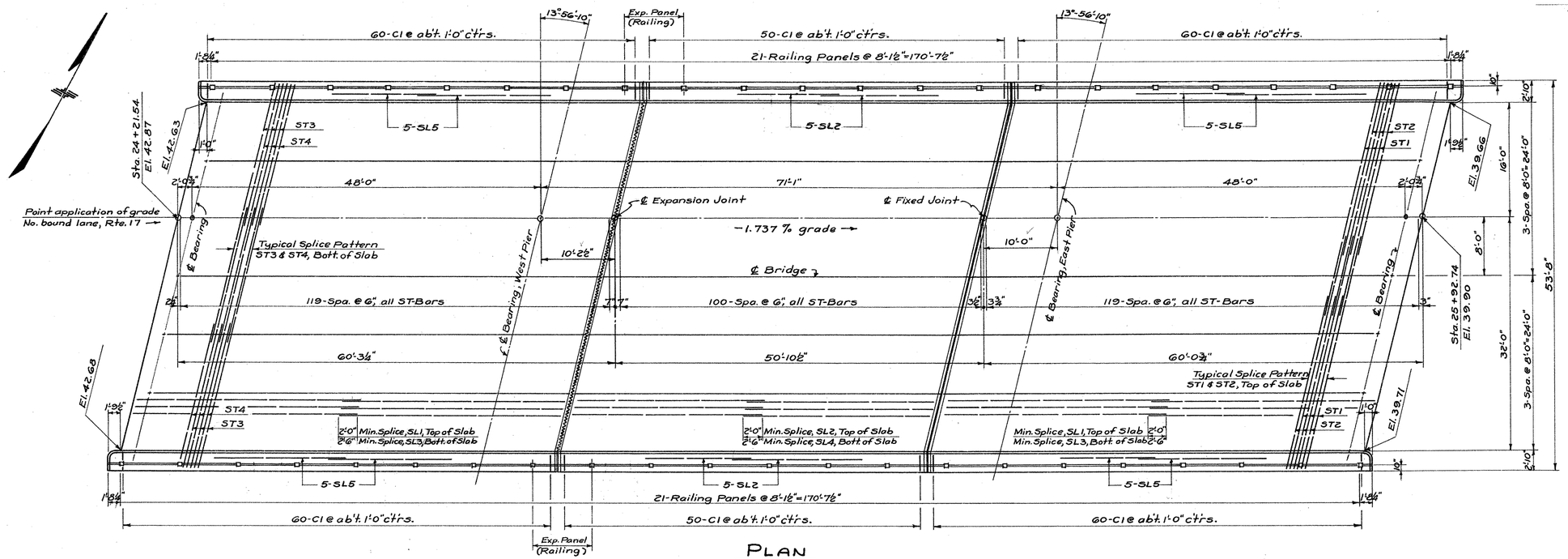
82 90 176 08

FORM NO. ENG. 15 ED. 8-48

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(17)	82-90	1953	9817	25	57

THIS SHEET NOT CORRECTED

NO REVISIONS SUBMITTED FOR THIS SHEET

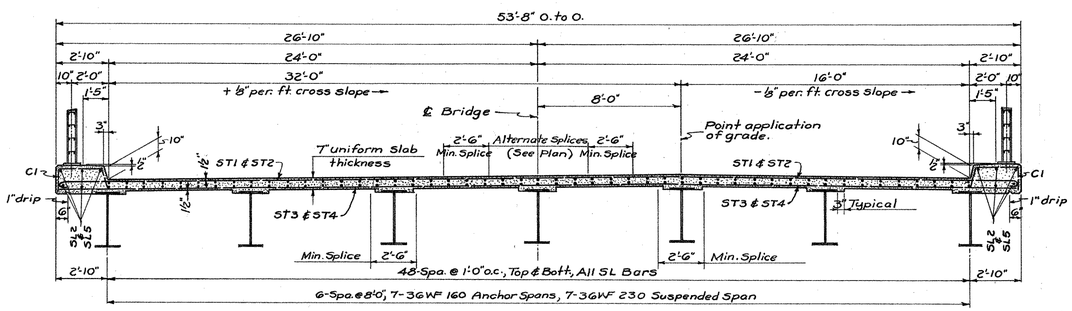


PLAN

SCALE ⅛" = 1'-0"

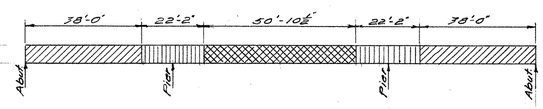
BAR LIST

Bar	No.	Size	Length	Remarks	Weight
ST1	341	⅝"φ	33'-6"	Detailed	11,915
ST2	341	"	25'-6"	"	9,069
ST3	341	"	37'-0"	Straight	13,160
ST4	341	"	21'-0"	"	7,469
SL1	196	½"φ	31'-0"	Straight	4,059
SL2	108	½"φ	26'-3"	"	1,894
SL3	196	⅝"φ	31'-3"	"	6,388
SL4	98	⅝"φ	26'-6"	"	2,709
SL5	20	½"φ	32'-0"	"	428
Cl	340	⅝"φ	5'-9"	Detailed	2,039
				Total	59,130 lbs.



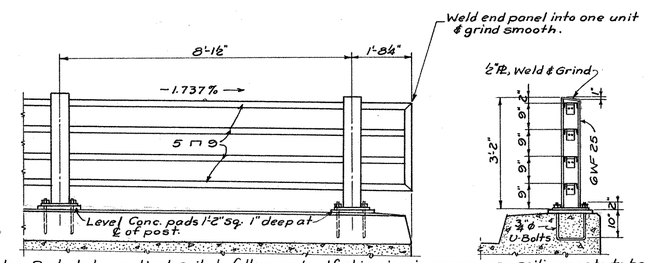
TYPICAL SECTION THRU SLAB

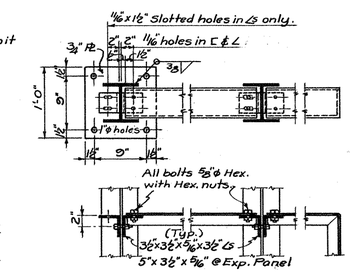
SCALE ½" = 1'-0"



POURING SEQUENCE

1st pour — 2nd pour — 3rd pour





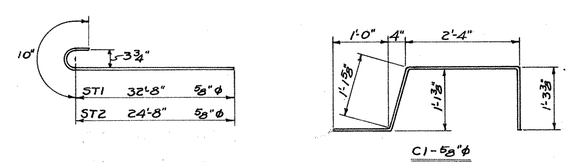
Notes: Posts to be vertical, rails to follow grade. If shimming is neccessary railing posts to be shimmed with lead wool and caulked with joint compound or as directed by Engineer. Cost to be included in price bid for "Structural Steel."

Note: At Expansion Panels provide for total of 1¼" Expansion.

Note: All parts and fastenings to be paid for as Structural Steel.

RAILING DETAILS

SCALES ½" = 1'-0", 1" = 1'-0"



BAR DETAILS

Not to Scale

REVISIONS		
NO.	DATE	DESCRIPTION
1	1-21-58	Added Pouring Sequence

CONNECTICUT
STATE HIGHWAY DEPARTMENT

TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
NORTHBOUND LANE ROUTE 17
BRIDGE OVER E. MAIN ST. STA. 24+90.0
SLAB & RAILING

DESIGNED BY H.E.J.
SCALES As Noted
MADE BY W.R.P. DATE 1-29-51
CHECKED BY H.W.W. DATE 2-6-51
APPROVED J. D. Drury DATE 4/9/51

PROJECT NO. 82-68
BRIDGE SHEET NO. 5 OF 5

STANDARD No. 25

Cronwe Distogen Co., Inc., New York, N. Y. No. 211 Tracing Cloth

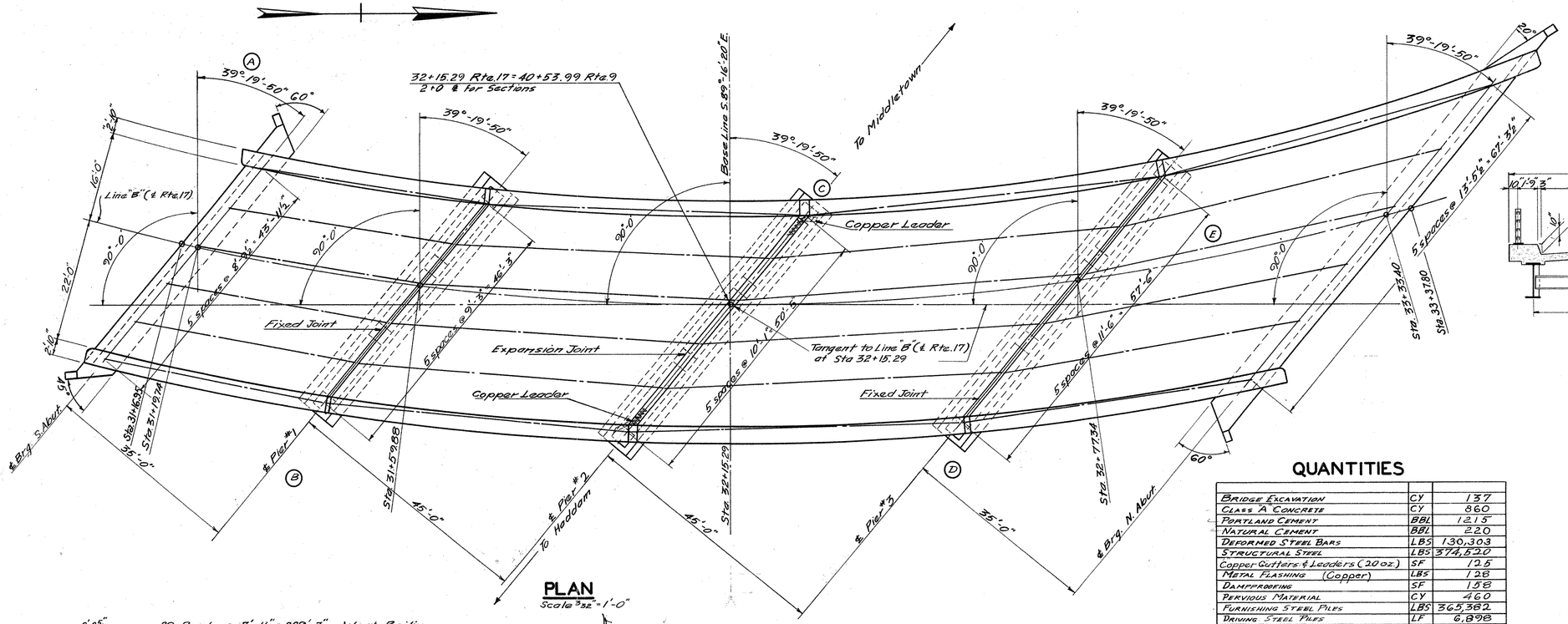
82 90

176 08

FORM NO. ENG. 15 ED. 8-48

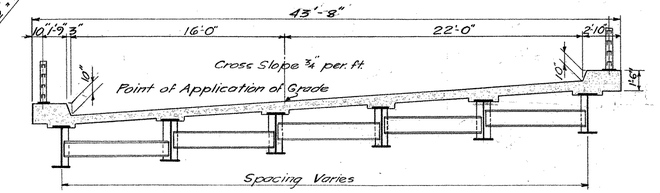
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	1953	9&17	26	57

NO REVISION SUBMITTED FOR THIS SHEET



PLAN

Scale 3/32" = 1'-0"



SECTION ON BRIDGE

Scale 3/16" = 1'-0"

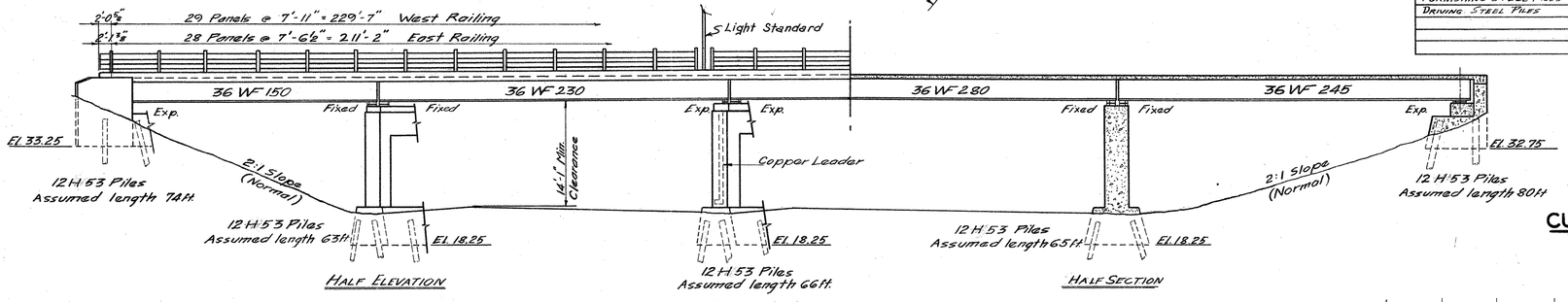
QUANTITIES

Bridge Excavation	CY	137
Class A Concrete	CY	860
Portland Cement	BBL	1215
Natural Cement	BBL	220
Deformed Steel Bars	LBS	130,303
Structural Steel	LBS	374,520
Copper Gutters & Leaders (20 oz.)	SF	125
Metal Flashing (Copper)	LBS	128
Dampproofing	SF	158
Pervious Material	CY	460
Furnishing Steel Piles	LBS	365,382
Driving Steel Piles	LF	6,898

GENERAL NOTES

General Specifications - Conn. State Highway Dept., Form 807 (1947)
Design Specifications - AASHO (1944)
Designed for H-20, S-16-44 Loading
Class "A" Concrete to be used thruout
Reinforcing Steel to consist of deformed steel bars of an approved type.
All corners or exposed edges of concrete to be chamfered 1" x 1" unless otherwise dimensioned.
At recommendation of Soils Dept. the dump fill at and adjacent to the bridge shall be excavated down to natural ground level (about El. 0) and replaced with regular borrow before piles are driven. The limits of this excavation will be shown on roadway design plans.
Fill to be placed and compacted 1'-0" above the elev. of the bottom of th abutments and piers before the piles are driven.
No Boulders over 6" in greatest dimensions shall be permitted in fill where piles are to be driven.
The cost of furnishing and placing tar paper at slip joints and splash protection at copper leaders to be included in general cost of contract.
See "Special Provisions" for "Joint Seal" and for "Copper Gutters and Leaders."
Bridge Excavation estimate assumes that fill is in place and levelled of 1'-0" above bottoms of piers and abutments.
Quantities listed hereon are approximate only and do not relieve the contractor of the responsibility of checking them before submitting his bid.
The Bridge Railing to be paid for as Structural Steel.

All piles shall be driven to bedrock
Class "A" Concrete: Joint Seal material shall be included in the contract unit price per cubic yard for Class "A" Concrete - See Special Provisions



HALF ELEVATION

HALF SECTION

ELEVATION

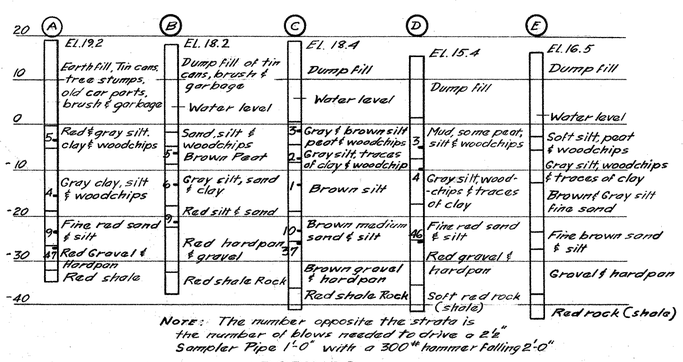
Scale 3/32" = 1'-0"

Δ = 21°-11'-40"
R = 2600.0'
T = 486.446'
L = 961.782'
PC = Sta 38+76.29
PT = Sta 48+38.07

CURVE DATA LINE "C"

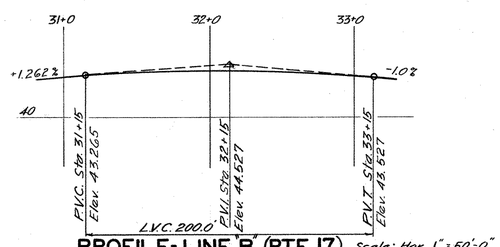
Δ = 125°-10'-50"
R = 430.0'
T = 829.208'
L = 939.469'
PC = Sta. 27+53.59
PT = Sta. 36+93.06

CURVE DATA LINE "B"



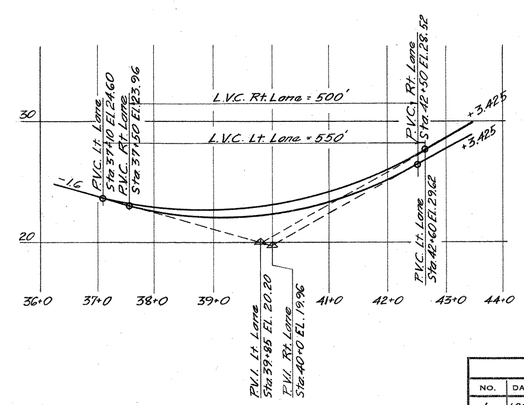
Note: The number opposite the strata is the number of blows needed to drive a 2½" Sampler Pipe 1'-0" with a 300# hammer falling 2'-0"

BORINGS



PROFILE - LINE "B" (RTE. 17)

Scale: Hor. 1" = 50'-0" Vert. 1" = 6'-0"



PROFILE - LINE "C" (RTE. 9)

Scale: Hor. 1" = 125'-0" Vert. 1" = 6'-0"

Concrete Distribution

Footing	232	C.Y.
Substructure	353	C.Y.
Superstructure	275	C.Y.
Total	860	C.Y.

FED. AID PROJECT U-144(7)

CONNECTICUT
STATE HIGHWAY DEPARTMENT

TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
NORTHBOUND LANE ROUTE 17
OVER ROUTE 9
GENERAL PLAN

REVISIONS		
NO.	DATE	DESCRIPTION
1	1-28-54	Quantities and Cross-Section

DESIGNED BY F.J.T.
SCALES As Noted
MADE BY H. DATE 2-1-51
CHECKED BY GATT DATE 2-8-51
APPROVED J. D. Dussey DATE 4/2/51

PROJECT NO. 82-68-03A
BRIDGE SHEET NO. 1 OF 5

STANDARD No. 26

N.Y. No. 151 Tracing Cloth

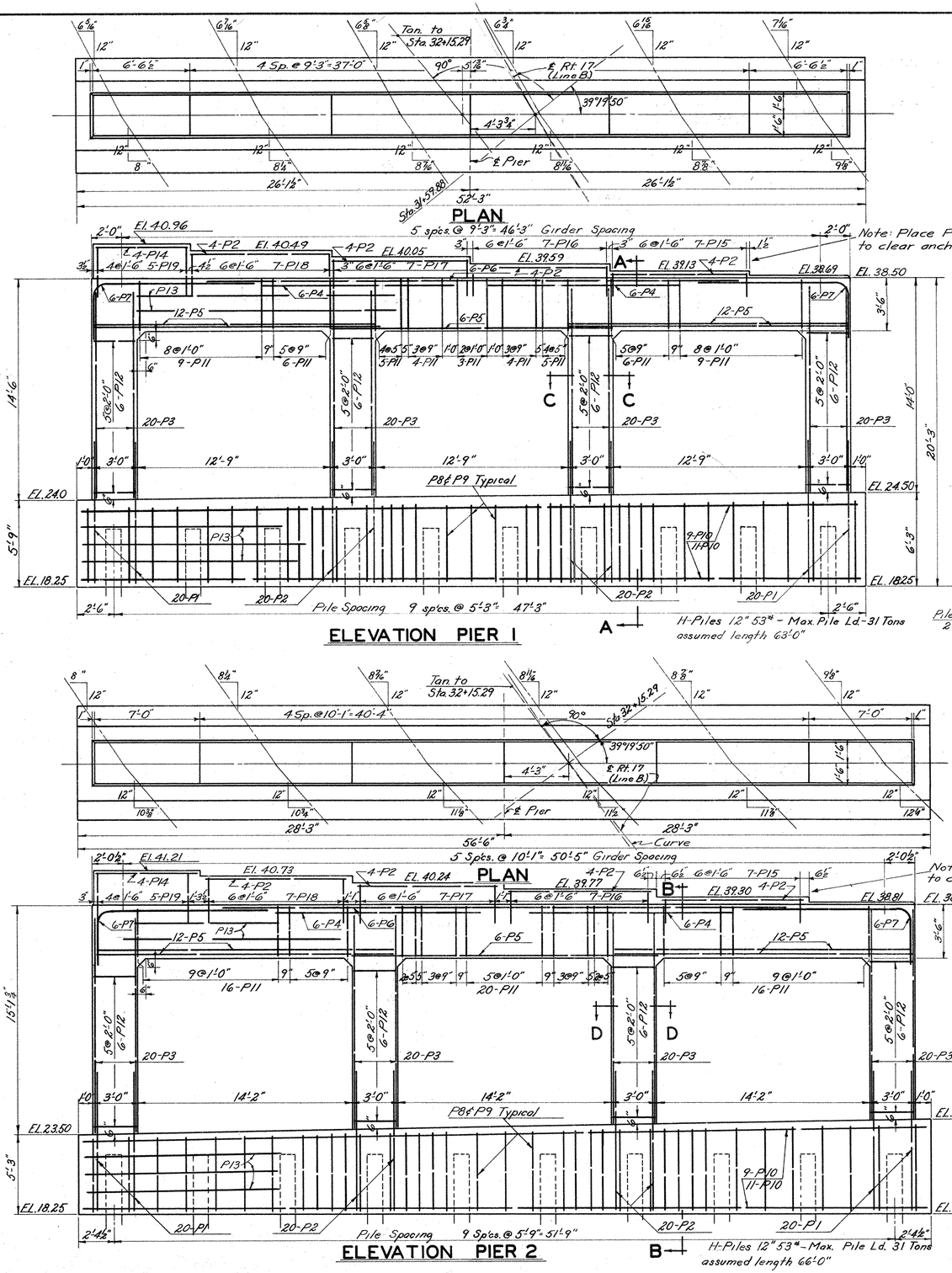
82 90

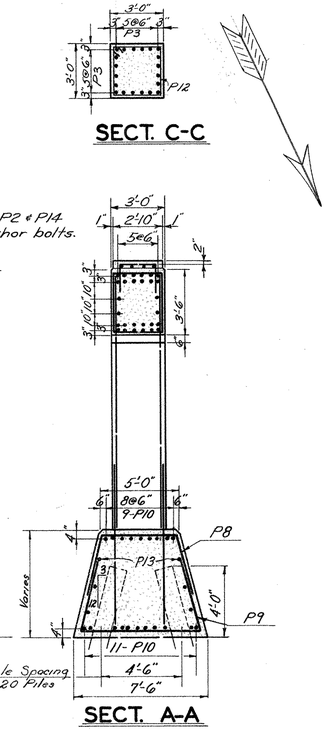
176 08

FORM NO. ENG. 18 ED. 8-48

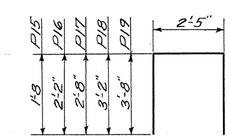
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	1953	9&17	27	57

NO REVISION SUBMITTED FOR THIS SHEET





Note: Swedge Bolts - 1¼" ϕ - 1'-7" long, set 1'-0" into concrete. Layout details on Bridge Sht. 4 of 5.



BAR BILL
PIER 1

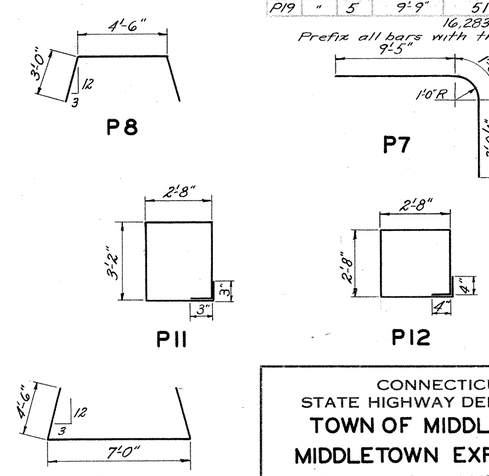
Mark	Size	No.	Length	Weight	Remarks
P1	1" □	40	9'-3"	1258	Straight
P2	1" ϕ	56	9'-3"	1383	"
P3	"	80	13'-9"	2937	"
P4	"	12	12'-9"	409	"
P5	"	30	18'-6"	1482	"
P6	"	6	35'-0"	561	"
P7	"	12	14'-0"	449	Detail
P8	"	37	10'-6"	1037	"
P9	"	37	16'-0"	1581	"
P10	"	20	51'-9"	2763	Straight
P11	⅝" ϕ	51	12'-2"	647	Detail
P12	¾" ϕ	24	11'-4"	408	"
P13	⅝" ϕ	20	27'-6"	574	Straight
P14	1" ϕ	4	6'-0"	64	"
P15 / P18	⅝" ϕ	7 Ea.	5'-9" / 8'-9"	212	Detail
P19	"	5	9'-9"	51	"
				15,816#	

Prefix all bars with letter "A"

BAR BILL
PIER 2

Mark	Size	No.	Length	Weight	Remarks
P1	1" □	40	9'-3"	1258	Straight
P2	1" ϕ	56	9'-3"	1383	"
P3	"	80	13'-9"	2937	"
P4	"	12	13'-6"	433	"
P5	"	30	20'-0"	1602	"
P6	"	6	37'-3"	597	"
P7	"	12	14'-0"	449	Detail
P8	"	37	10'-6"	1037	"
P9	"	37	16'-0"	1581	"
P10	"	20	56'-0"	2990	Straight
P11	⅝" ϕ	52	12'-2"	660	Detail
P12	¾" ϕ	24	11'-4"	408	"
P13	⅝" ϕ	20	29'-6"	616	Straight
P14	1" ϕ	4	6'-6"	69	"
P15 / P18	⅝" ϕ	7 Ea	5'-9" / 8'-9"	212	Detail
P19	"	5	9'-9"	51	"
				16,283#	

Prefix all bars with the letter "B"



REVISIONS		
NO.	DATE	DESCRIPTION
1	1-28-54	Beam blocks, bar bill & elevations.

CONNECTICUT
STATE HIGHWAY DEPARTMENT

TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
NORTHBOUND LANE ROUTE 17
OVER ROUTE 9
PIERS 1 & 2

DESIGNED BY F.J.T.
SCALES 1" = 1'-0"
MADE BY T.S.R. DATE 1/15/51
CHECKED BY G.A.H. DATE 2/7/51
APPROVED J. D. Drury DATE 4/2/51
PROJECT NO. 82-68-03A
BRIDGE SHEET NO. 2 OF 5

STANDARD No. 27

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Tracing Cloth

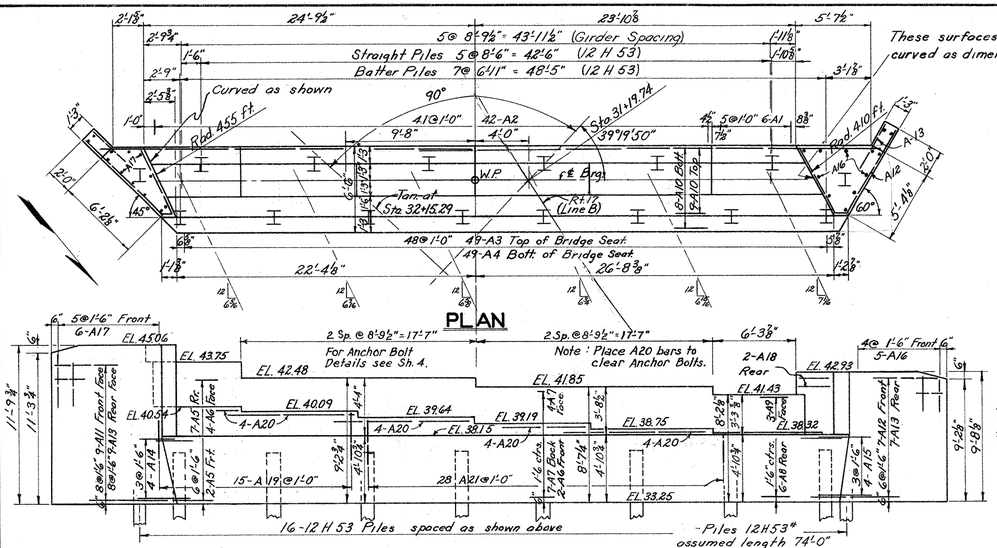
82 90

176 08

FORM NO. ENG. 15 ED. 8-48

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	1953	9517	28	57

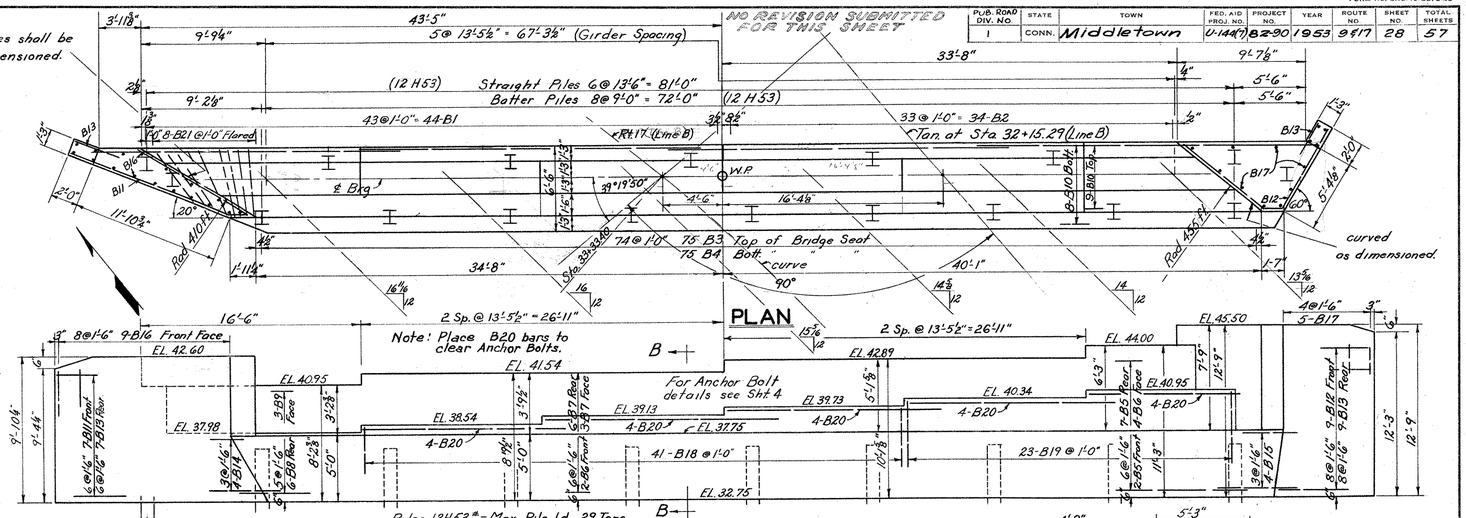
NO REVISION SUBMITTED FOR THIS SHEET



PLAN

ELEVATION SOUTH ABUTMENT

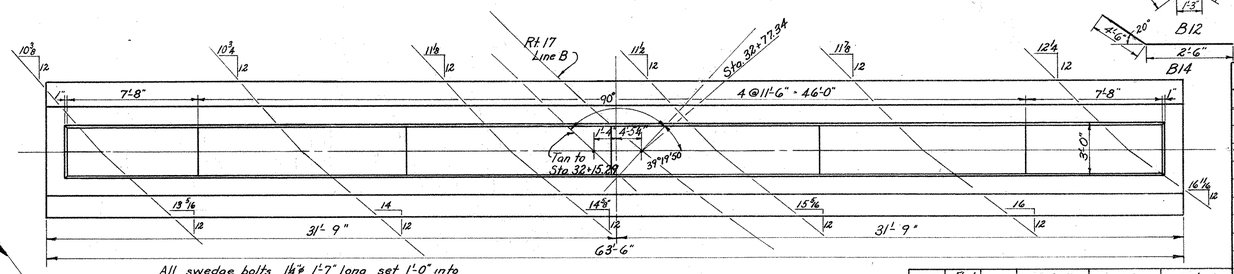
Scale 3/16" = 1'-0"



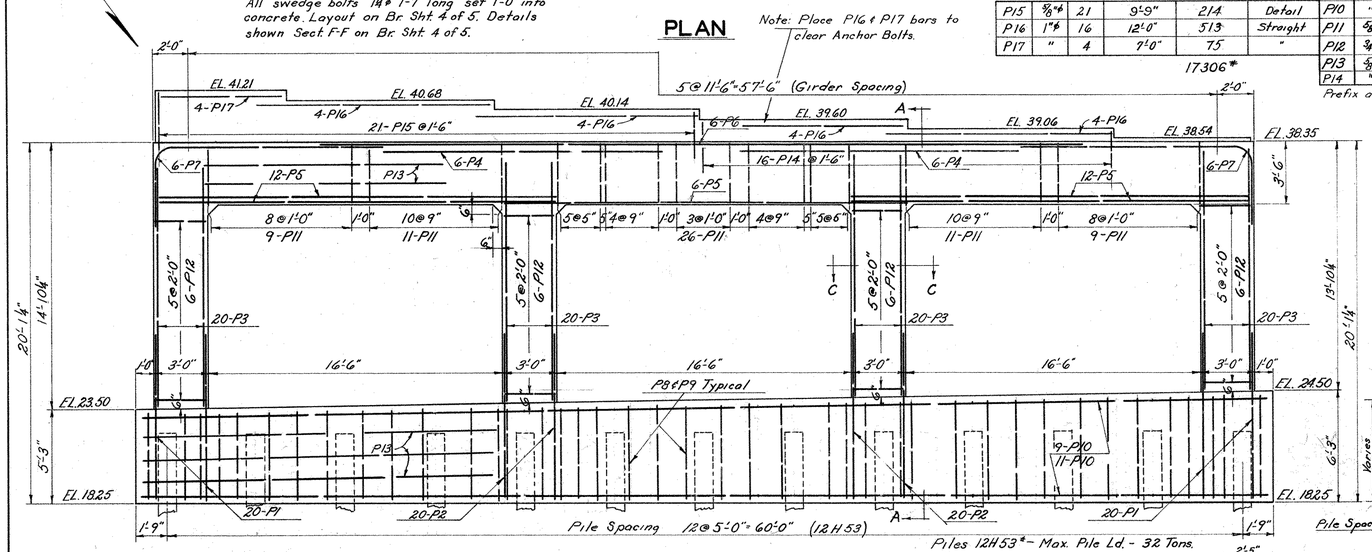
PLAN

NORTH ABUTMENT ELEVATION

Scale 3/16" = 1'-0"

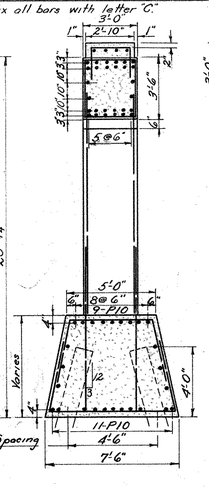


PLAN

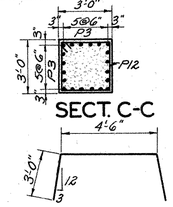


ELEVATION PIER 3

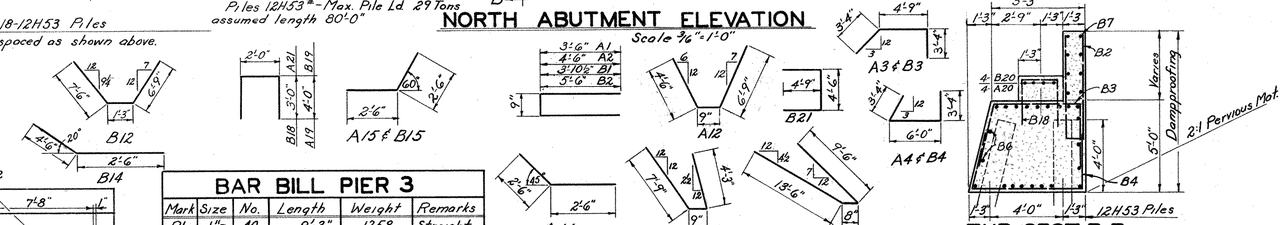
Scale 4" = 1'-0"



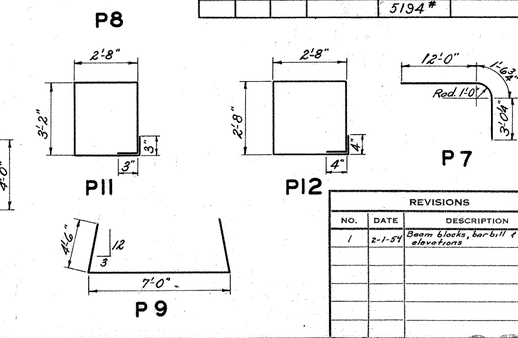
SECT. A-A



SECT. C-C



TYP. SECT. B-B



BAR BILL PIER 3

Mark	Size	No.	Length	Weight	Remarks
P1	1" ø	40	9'-3"	1258	Straight
P2	1" ø	40	9'-3"	988	"
P3	"	80	13'-6"	2884	"
P4	"	12	15'-0"	481	"
P5	"	30	22'-3"	1782	"
P6	"	6	42'-6"	681	"
P7	"	12	16'-7"	531	Detail
P8	"	40	10'-6"	1121	"
P9	"	40	16'-0"	1709	"
P10	"	20	63'-0"	3364	Straight
P11	⅝" ø	66	12'-2"	838	Detail
P12	¾" ø	24	11'-4"	408	"
P13	⅝" ø	10	33'-0"	344	Straight
P14	"	16	6'-11"	115	Detail
P15	⅝" ø	21	9'-9"	214	Detail
P16	1" ø	16	12'-0"	513	Straight
P17	"	4	7'-0"	75	"
				17306#	

Prefix all bars with letter "C"

BAR BILL SO. ABUT.

Mark	Size	No.	Length	Weight	Remarks
A1	⅝" ø	6	7'-9"	48	Detail
A2	"	42	9'-9"	427	"
A3	"	49	11'-5"	584	"
A4	"	49	12'-8"	647	"
A5	"	9	26'-6"	249	Straight
A6	"	6	24'-6"	153	"
A7	"	11	19'-0"	218	"
A8	"	6	13'-6"	84	"
A9	"	3	8'-0"	25	"
A10	¾" ø	34	30'-0"	1532	"
A11	⅝" ø	9	12'-9"	120	Detail
A12	"	7	12'-0"	88	"
A13	"	16	4'-4"	72	Straight
A14	"	4	5'-0"	21	Detail
A15	"	4	5'-0"	21	"
A16	"	12	8'-9"	110	Straight
A17	"	12	9'-9"	122	"
A18	"	2	6'-0"	13	"
A19	"	15	10'-0"	156	Detail
A20	¾" ø	20	9'-0"	270	Straight
A21	⅝" ø	28	8'-0"	234	Detail
				5194#	

BAR BILL NO. ABUT.

Mark	Size	No.	Length	Weight	Remarks
B1	⅝" ø	44	8'-6"	390	Detail
B2	"	34	11'-9"	417	"
B3	"	75	11'-5"	893	"
B4	"	75	12'-8"	991	"
B5	"	9	43'-0"	404	Straight
B6	"	6	34'-6"	216	"
B7	"	9	29'-3"	275	"
B8	"	6	20'-5"	128	"
B9	"	3	16'-6"	52	"
B10	¾" ø	68	25'-4"	2587	"
B11	⅝" ø	7	23'-8"	173	Detail
B12	"	9	15'-6"	145	"
B13	"	16	4'-4"	72	Straight
B14	"	4	7'-0"	29	Detail
B15	"	4	5'-0"	21	"
B16	"	17	8'-10"	157	Detail
B17	"	13	10'-10"	147	"
B18	"	41	8'-0"	342	"
B19	"	23	10'-0"	240	"
B20	¾" ø	20	14'-0"	421	Straight
B21	⅝" ø	8	14'-0"	117	Detail
				8217#	

REVISIONS		
NO.	DATE	DESCRIPTION
1	2-1-57	Beam blocks, bar bill & elevations

CONNECTICUT
STATE HIGHWAY DEPARTMENT

TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
NORTHBOUND LANE ROUTE 17
OVER ROUTE 9
ABUTMENTS & PIER 3

DESIGNED BY F.J.T.
SCALES as noted
MADE BY T.S.R. DATE 2/2/51
CHECKED BY G.A.H. DATE 2/9/51
APPROVED J. D. Drury DATE 4/2/57

PROJECT NO. 82-68-03A
BRIDGE SHEET NO. 3 OF 5

STANDARD No. 28

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Tracing Cloth

82 90

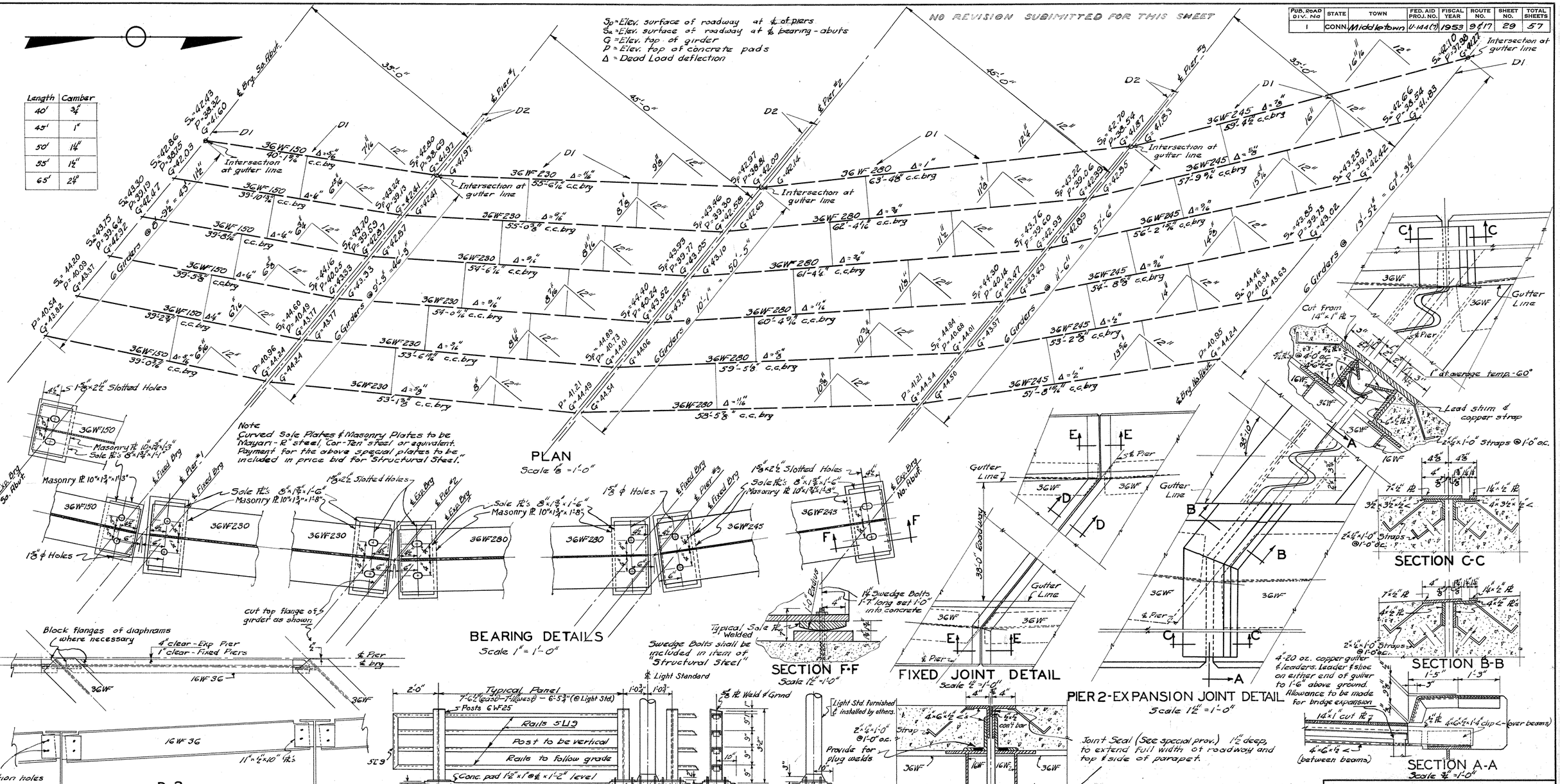
176 08

PUB. ROAD DIV. No	STATE	TOWN	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	1953	0 & 17	29	57

NO REVISION SUBMITTED FOR THIS SHEET

S_p = Elev. surface of roadway at ℄ of piers
S_a = Elev. surface of roadway at ℄ bearing - abuts
G = Elev. top of girder
P = Elev. top of concrete pads
Δ = Dead Load deflection

Length	Camber
40'	3/4"
45'	1"
50'	1 1/4"
55'	1 1/2"
65'	2"



REVISIONS		
NO.	DATE	DESCRIPTION
1	1-28-54	ELEVATIONS & MASONRY Pl's

CONNECTICUT
STATE HIGHWAY DEPARTMENT
TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
NORTHBOUND LANE ROUTE 17
OVER ROUTE 9
STEEL & RAILING DETAILS

DESIGNED BY F.J.T.
SCALES As noted
MADE BY GAH DATE 1-30-51
CHECKED BY J.T.B. DATE 2-21-51
APPROVED J. D. Dewey DATE 4/2/51
PROJECT NO. 82-68
BRIDGE SHEET NO. 4 OF 5

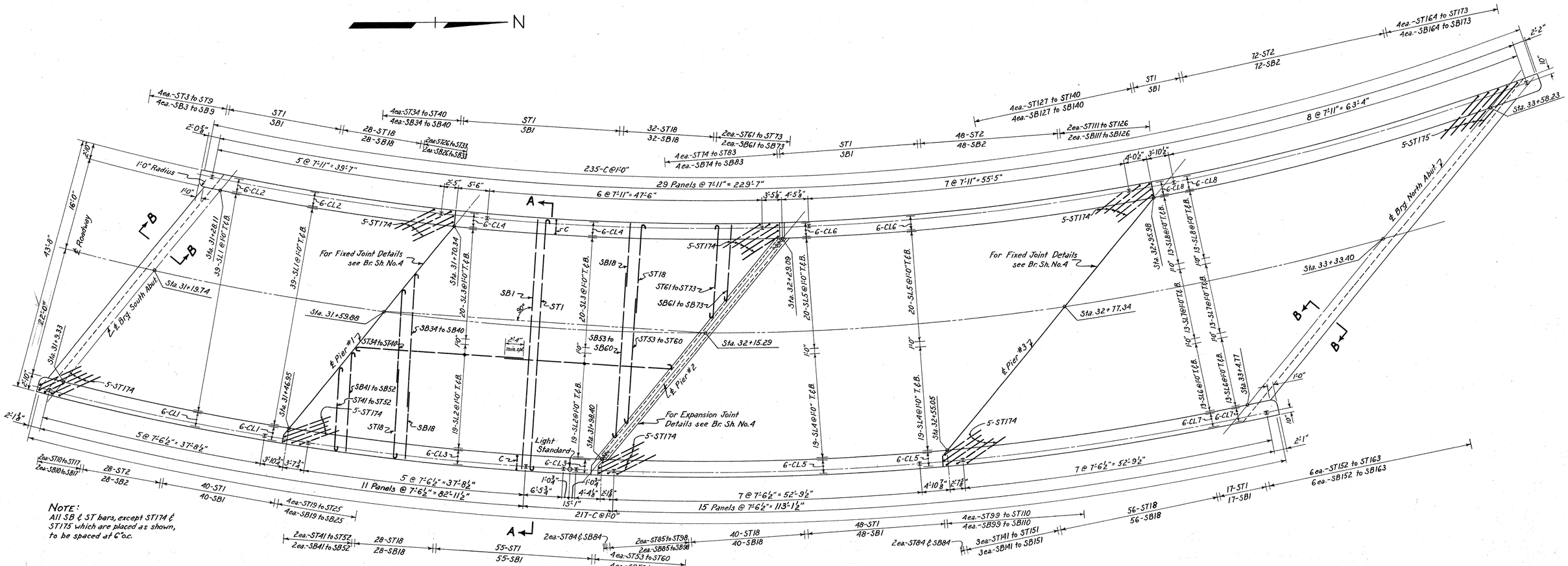
STANDARD No. 29

82 90 176 08

FORM NO. ENG. 15 ED. 8-48

PUB. ROAD DIV. NO	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	B2-90	1953	9 & 17	30	57

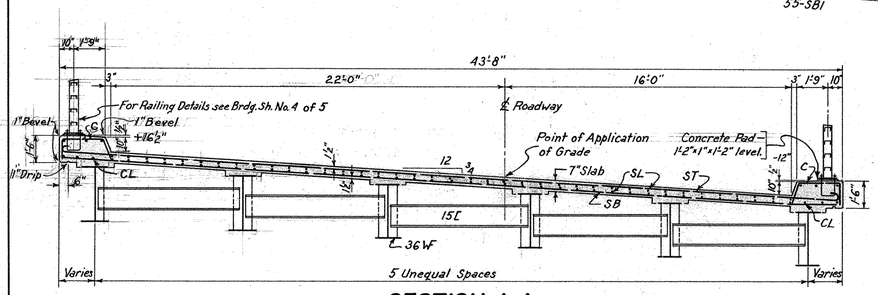
NO REVISION SUBMITTED FOR THIS SHEET



NOTE:
All SB & ST bars, except ST174 & ST175 which are placed as shown, to be spaced at 6" o.c.

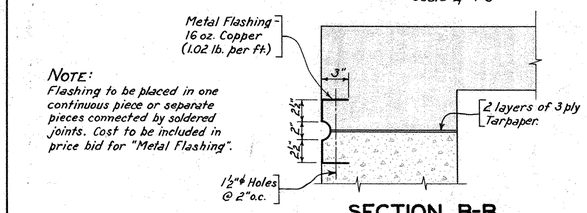
PLAN

Scale: ⅛" = 1'-0"



SECTION A-A

Scale: ¼" = 1'-0"



NOTE:
Flashing to be placed in one continuous piece or separate pieces connected by soldered joints. Cost to be included in price bid for "Metal Flashing".

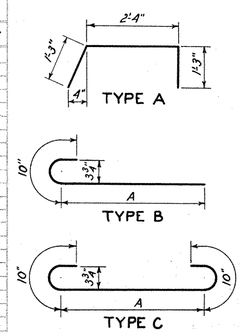
SECTION B-B

Scale: 1½" = 1'-0"

BAR BILL

MARK	SIZE	NO.	TYPE	A	LENGTH	VARY BY	WEIGHT
ST1	⅝"ϕ	160	C	42'-10"	44'-6"	——	7424
ST2	"	148	B	14'-6"	15'-4"	——	2367
ST3 to ST9	"	4 ea.	B	8'-8" to 30'-8"	9'-6" to 31'-6"	3'-8"	599
ST10 to ST17	"	2 ea.	C	3'-6" to 16'-4"	5'-2" to 18'-0"	1'-10"	194
ST18	"	184	B	15'-2"	16'-0"	——	3071
ST19 to ST25	"	4 ea.	B	5'-8" to 26'-8"	6'-6" to 27'-6"	3'-6"	497
ST26 to ST33	"	2 ea.	C	2'-6" to 14'-2"	4'-2" to 15'-10"	1'-8"	168
ST34 to ST40	"	4 ea.	B	10'-2" to 27'-2"	11'-0" to 28'-0"	2'-10"	570
ST41 to ST52	"	2 ea.	C	2'-6" to 19'-0"	4'-2" to 20'-8"	1'-6"	311
ST53 to ST60	"	4 ea.	B	7'-6" to 26'-2"	8'-4" to 27'-0"	2'-8"	590
ST61 to ST73	"	2 ea.	C	0'-10" to 16'-10"	2'-6" to 18'-6"	1'-4"	285
ST74 to ST83	"	4 ea.	B	6'-10" to 26'-4"	7'-8" to 27'-2"	2'-2"	725
ST84	"	4	C	2'-0"	3'-8"	——	15
ST85 to ST98	"	2 ea.	C	1'-6" to 16'-8"	3'-2" to 18'-4"	1'-2"	314
ST99 to ST110	"	4 ea.	B	6'-8" to 28'-8"	7'-6" to 29'-6"	2'-0"	926
ST111 to ST126	"	2 ea.	C	1'-6" to 16'-6"	3'-2" to 18'-2"	1'-0"	357
ST127 to ST140	"	4 ea.	B	5'-4" to 27'-0"	6'-2" to 27'-10"	1'-8"	992
ST141 to ST151	"	3 ea.	C	1'-10" to 15'-2"	3'-6" to 16'-10"	1'-4"	350
ST152 to ST163	"	6 ea.	B	6'-4" to 30'-2"	7'-2" to 31'-0"	2'-2"	1433
ST164 to ST173	"	4 ea.	C	2'-2" to 14'-2"	3'-10" to 15'-10"	1'-4"	410
ST174	"	35	B	8'-2"	9'-0"	——	329
ST175	"	5	B	10'-2"	11'-0"	——	51
SB1	"	160	Str.	——	43'-4"	——	7232
SB2	"	148	Str.	——	10'-10"	——	1672
SB3 to SB9	"	4 ea.	B	12'-8" to 34'-8"	13'-6" to 35'-6"	3'-8"	716
SB10 to SB17	"	2 ea.	B	3'-8" to 16'-6"	4'-6" to 17'-4"	1'-10"	182
SB18	"	184	Str.	——	11'-6"	——	2206
SB19 to SB25	"	4 ea.	B	9'-8" to 30'-8"	10'-6" to 31'-6"	3'-6"	613
SB26 to SB33	"	2 ea.	B	2'-8" to 14'-4"	3'-6" to 15'-2"	1'-8"	156
SB34 to SB40	"	4 ea.	B	14'-2" to 31'-2"	15'-0" to 32'-0"	2'-10"	687
SB41 to SB52	"	2 ea.	B	2'-8" to 19'-2"	3'-6" to 20'-0"	1'-6"	294
SB53 to SB60	⅝"ϕ	4 ea.	B	11'-6" to 30'-2"	12'-4" to 31'-0"	2'-8"	723
SB61 to SB73	"	2 ea.	B	1'-0" to 17'-0"	1'-10" to 17'-10"	1'-4"	267
SB74 to SB83	"	4 ea.	B	10'-10" to 30'-4"	11'-8" to 31'-2"	2'-2"	895
SB84	"	4	B	2'-2"	3'-0"	——	13
SB85 to SB98	"	2 ea.	B	1'-8" to 16'-10"	2'-6" to 17'-8"	1'-2"	295
SB99 to SB110	"	4 ea.	B	10'-8" to 32'-8"	11'-6" to 33'-6"	2'-0"	1126
SB111 to SB126	"	2 ea.	B	1'-8" to 16'-8"	2'-6" to 17'-6"	1'-0"	333
SB127 to SB140	"	4 ea.	B	9'-4" to 31'-0"	10'-2" to 31'-10"	1'-8"	1225
SB141 to SB151	"	3 ea.	B	2'-0" to 15'-4"	2'-10" to 16'-2"	1'-4"	327
SB152 to SB163	"	6 ea.	B	10'-4" to 34'-2"	11'-2" to 35'-0"	2'-2"	1733
SB164 to SB173	"	4 ea.	B	2'-4" to 14'-4"	3'-2" to 15'-2"	1'-4"	382
C	"	452	A	——	4'-10"	——	2278
CL1	"	12	B	22'-6"	23'-4"	——	292
CL2	"	12	B	23'-2"	24'-2"	——	302
CL3	"	12	B	28'-2"	29'-0"	——	363
CL4	"	12	B	29'-2"	30'-0"	——	376
CL5	"	12	B	30'-8"	31'-6"	——	394
CL6	"	12	B	33'-0"	33'-10"	——	423
CL7	"	12	B	30'-2"	31'-0"	——	388
CL8	"	12	B	35'-6"	36'-4"	——	455
SL1	"	156	B	22'-6"	23'-4"	——	3797
SL2	"	76	B	28'-2"	29'-0"	——	2299
SL3	"	80	B	28'-8"	29'-6"	——	2462
SL4	"	76	B	31'-2"	32'-0"	——	2537
SL5	"	80	B	32'-6"	33'-4"	——	2781
SL6	"	52	B	30'-2"	31'-0"	——	1661
SL7	"	52	B	31'-8"	32'-6"	——	1763
SL8	"	52	B	33'-0"	33'-10"	——	1835

67,487 lbs.



REVISIONS		
NO.	DATE	DESCRIPTION
1	1-28-54	BENT BAR DETAIL REMOVED & CROSS SECTION CHANGED.

CONNECTICUT
STATE HIGHWAY DEPARTMENT

TOWN OF MIDDLETOWN
MIDDLETOWN EXPRESSWAY
NORTHBOUND LANE ROUTE 17
OVER ROUTE 9
SLAB SHEET

DESIGNED BY F.J.T.
SCALES As Noted
MADE BY J.J.B. DATE 1-26-51
CHECKED BY G.A.H. DATE 2-19-51
APPROVED J. D. Dempsey DATE 4/4/51

PROJECT NO. 82-68-03A
BRIDGE SHEET NO. 5 OF 5

STANDARD NO. 30

Eugene Dietzgen Co., Inc. New York, N. Y. No. 111 Tracing Cloth

82 90

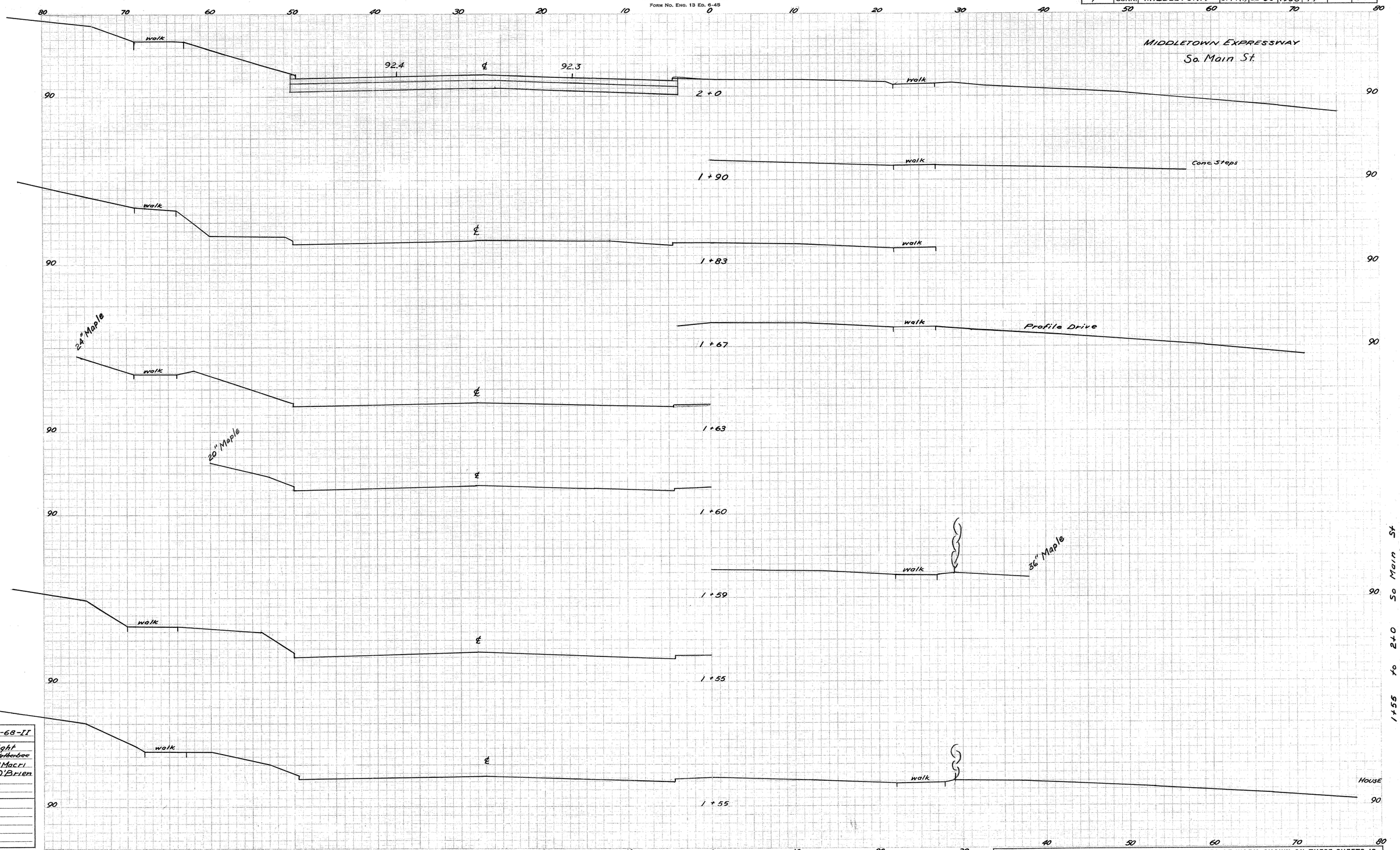
176 08

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U144(7)	82-90	1953	17	31	57



NOTE BOOK NO. 82-68-II	
Ground Surface Plotted by	Wright
" " Checked by	A.B. Herbert
Template Sections Plotted by	D.R. Macri
" " Checked by	R. O'Brien
Areas by	R. O'Brien
Checked by	G. Nelson
Final Sections Plotted by	
" Checked by	
Final Areas by	
" Checked by	
Quantity Transferred and Inked by	

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

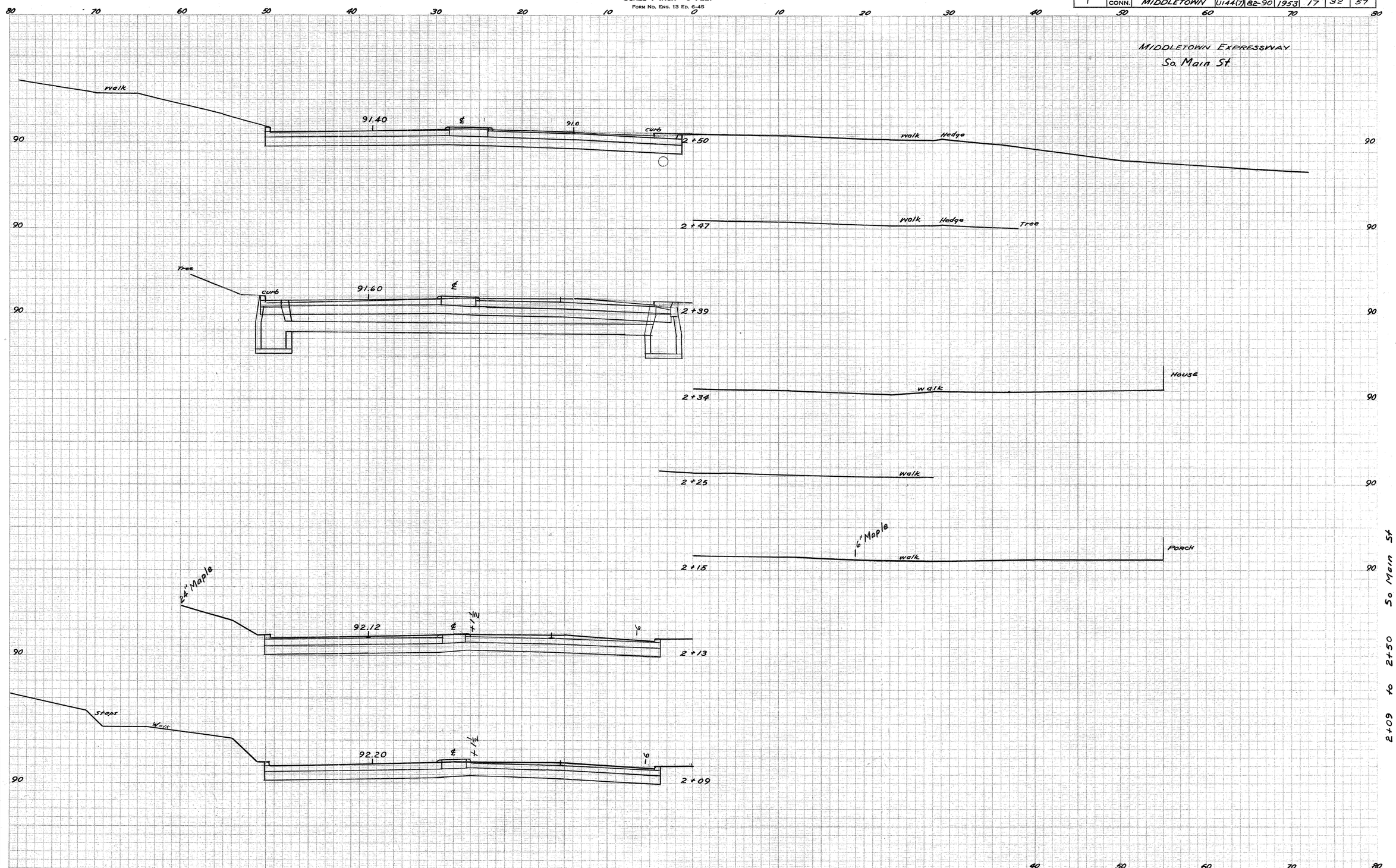
82 90 176 08

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U144(7)	82-90	1953	17	32	57



NOTE BOOK NO. 82-68-II
Ground Surface Plotted by A.B. Wetherbee
" " Checked by Papineau
Template Sections Plotted by D.R. Macri
" " Checked by R.O'Brien
Areas by R.O'Brien
" Checked by G.Nelson
Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

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82 90

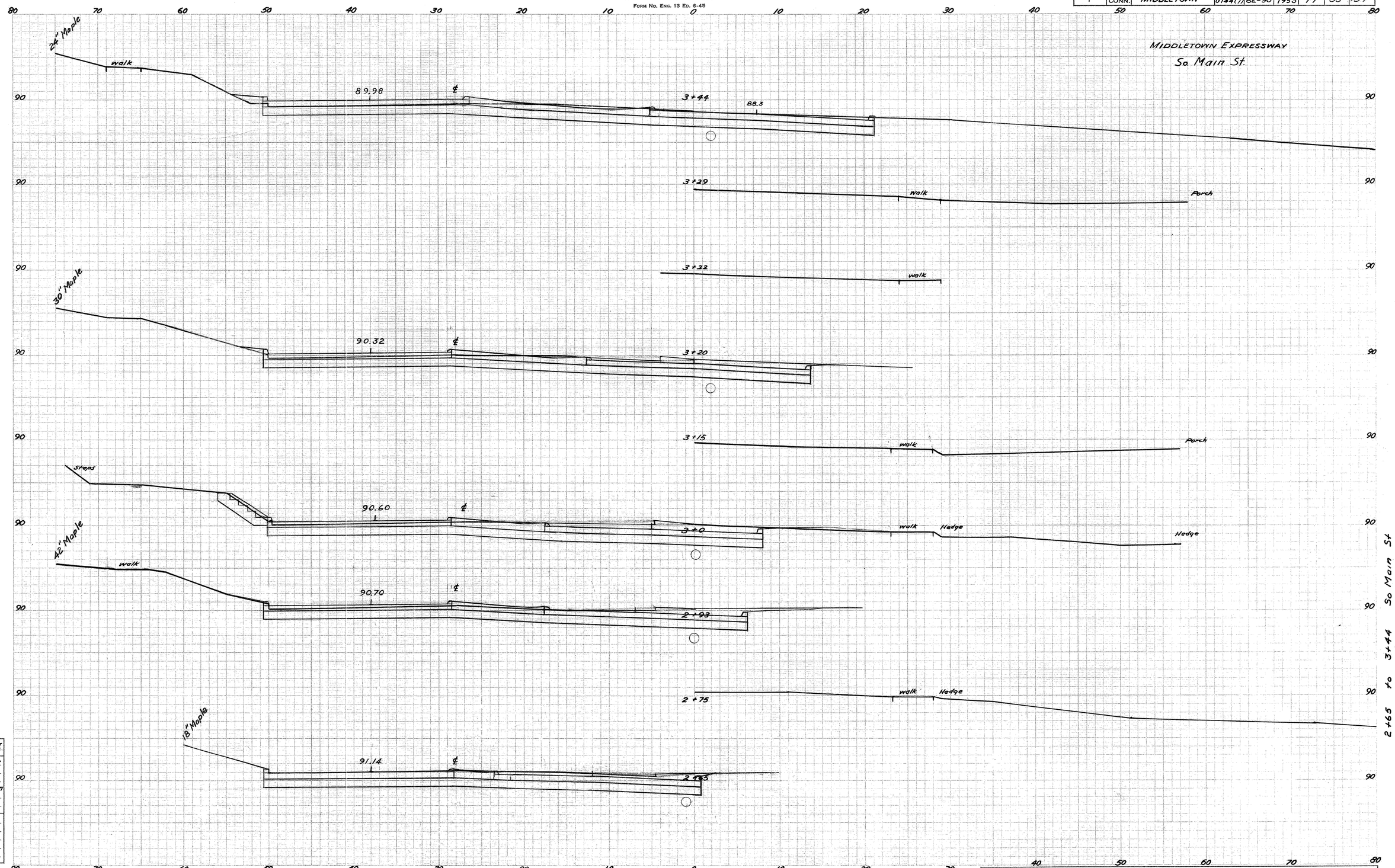
176 08

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U144(7)	82-90	1953	17	33	57



NOTE BOOK NO. 82-68-II

Ground Surface Plotted by A.B. Wetherbee
" " Checked by Papineau
Template Sections Plotted by D.R. Macri
" " Checked by R.O'Brien
Areas by R.O'Brien
" Checked by G. Nelson

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

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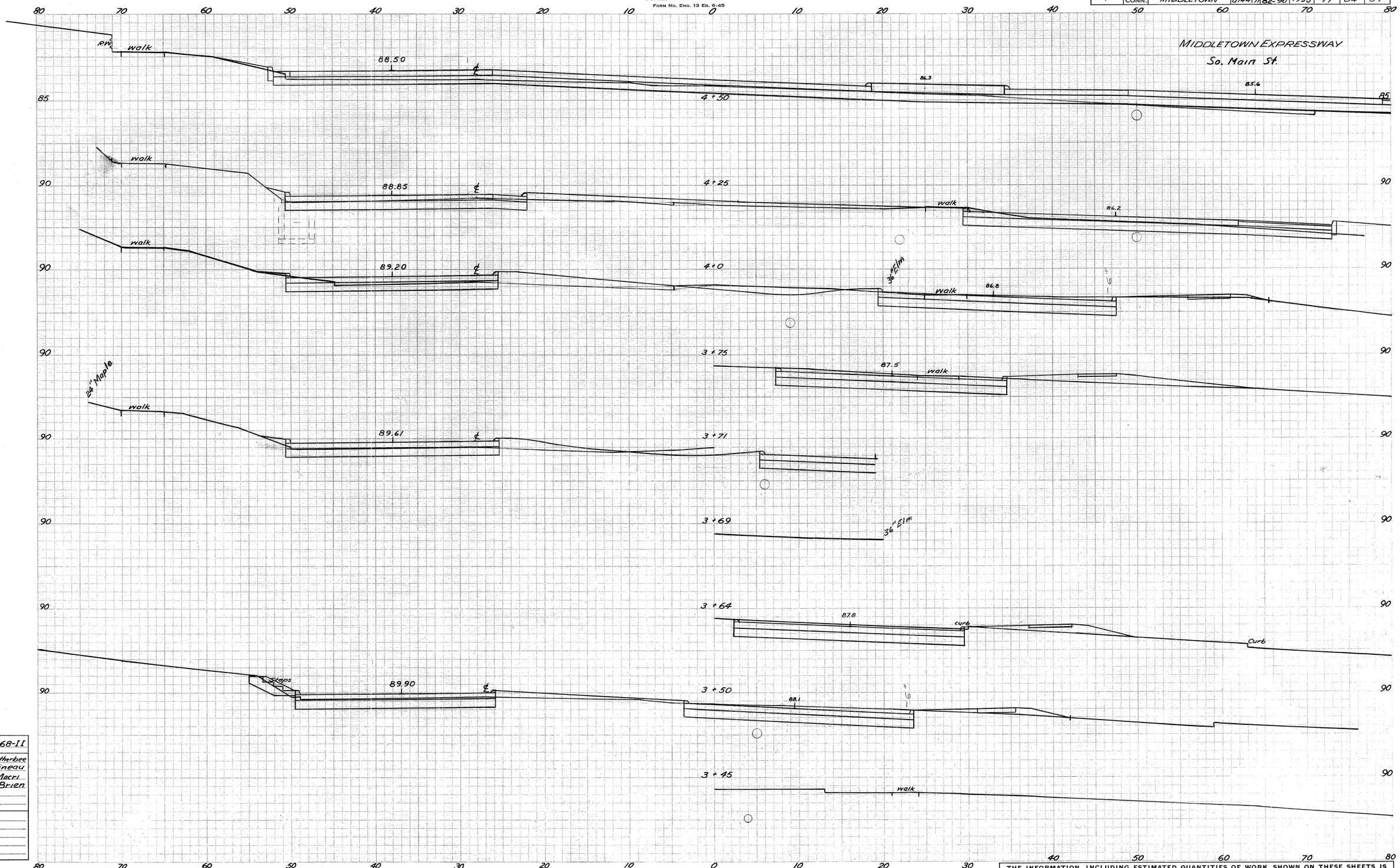
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB ROAD DIV. NO	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U144(7)	82-90	1953	17	34	57



NOTE BOOK NO. 82-68-II
Ground Surface Plotted by A.B. Wetherbee
" " Checked by Papineau
Template Sections Plotted by D.R. Macri
" " Checked by R. O'Brien
Areas by R. O'Brien
Checked by G. Nelson
Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

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82 90

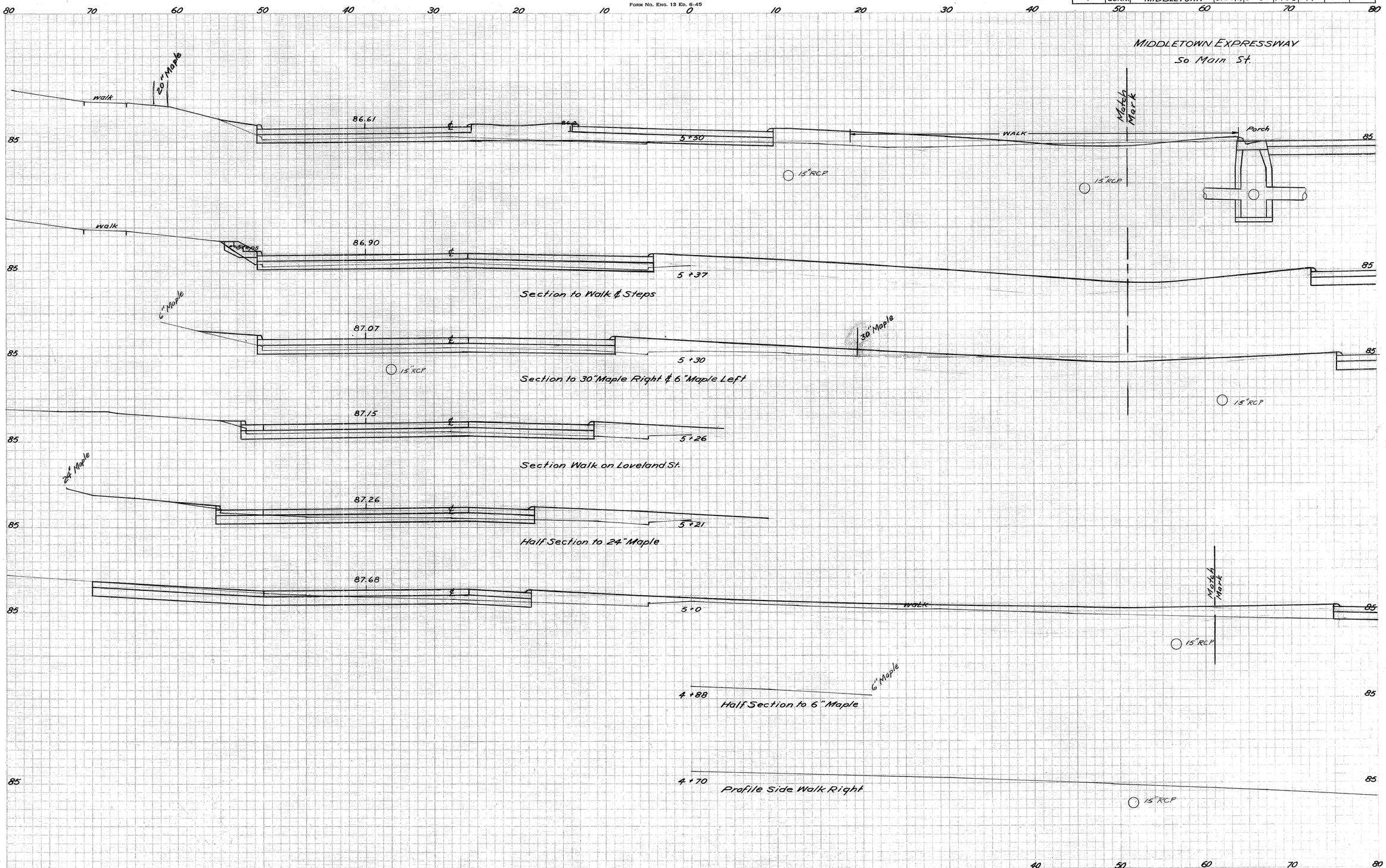
176 08

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U144(7)	82-90	1953	17	35	57



NOTE BOOK NO. 82-68-II	
Ground Surface Plotted by	Papineau
" " Checked by	McDonald
Template Sections Plotted by	D.R. Macri
" " Checked by	R. O'Brien
Areas by	R. O'Brien
Checked by	G. Nelson
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

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

82 90

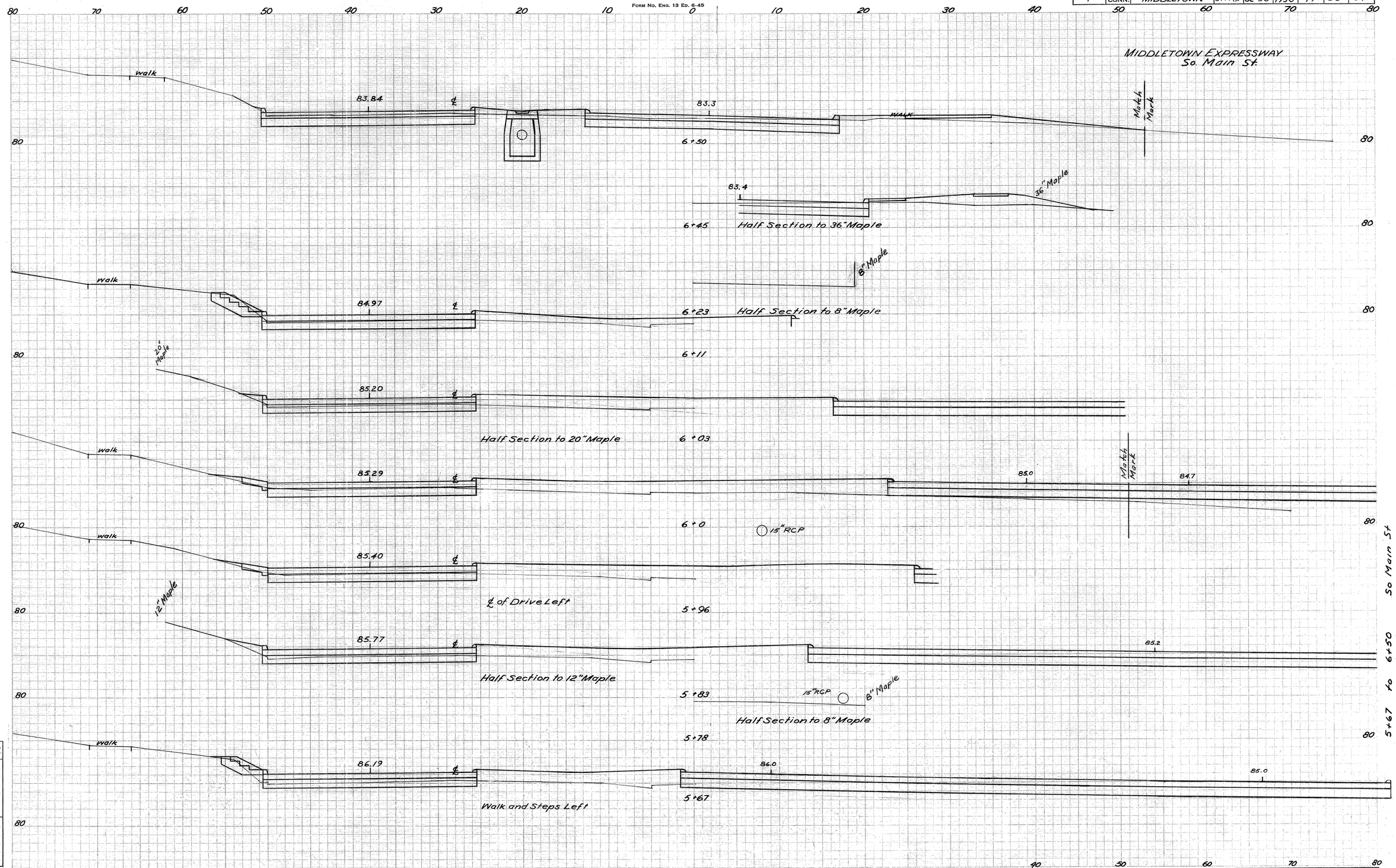
176 03

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U144(7)	82-90	1953	17	36	57



NOTE BOOK NO. 82-68-II	
Ground Surface Plotted by	Papineau
" " Checked by	McDonald
Template Sections Plotted by	D R Macri
" " Checked by	R O'Brien
Areas by	R O'Brien
" Checked by	G Nelson
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

82 90

176 08

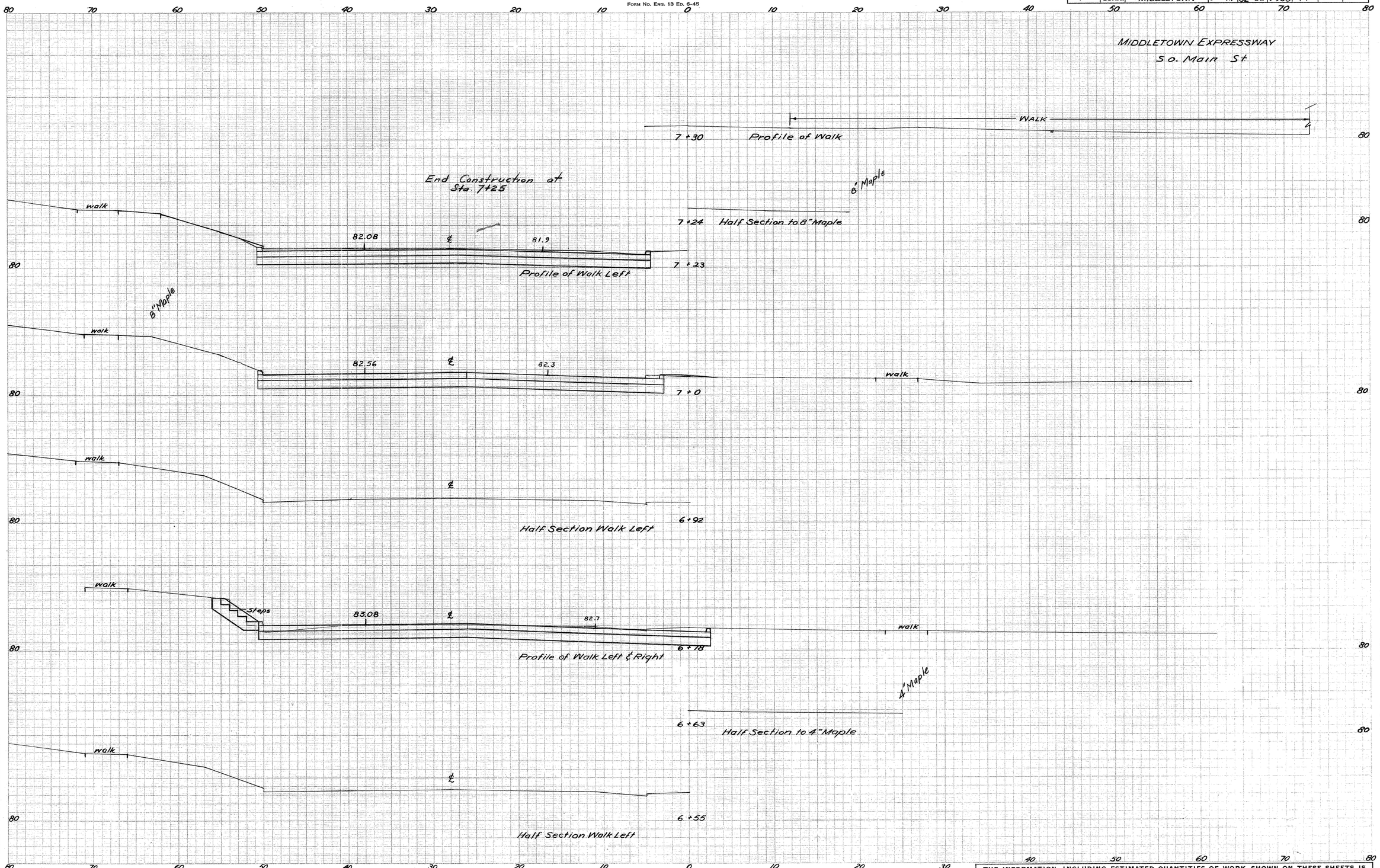
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U144(7)	82-90	1953	17	37	57



NOTE BOOK NO. 82-68-II

Ground Surface Plotted by Papineau
" " Checked by McDonald
Template Sections Plotted by D R Matti
" " Checked by R O'Brien
Areas by R O'Brien
" Checked by G Nelson

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

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82 90

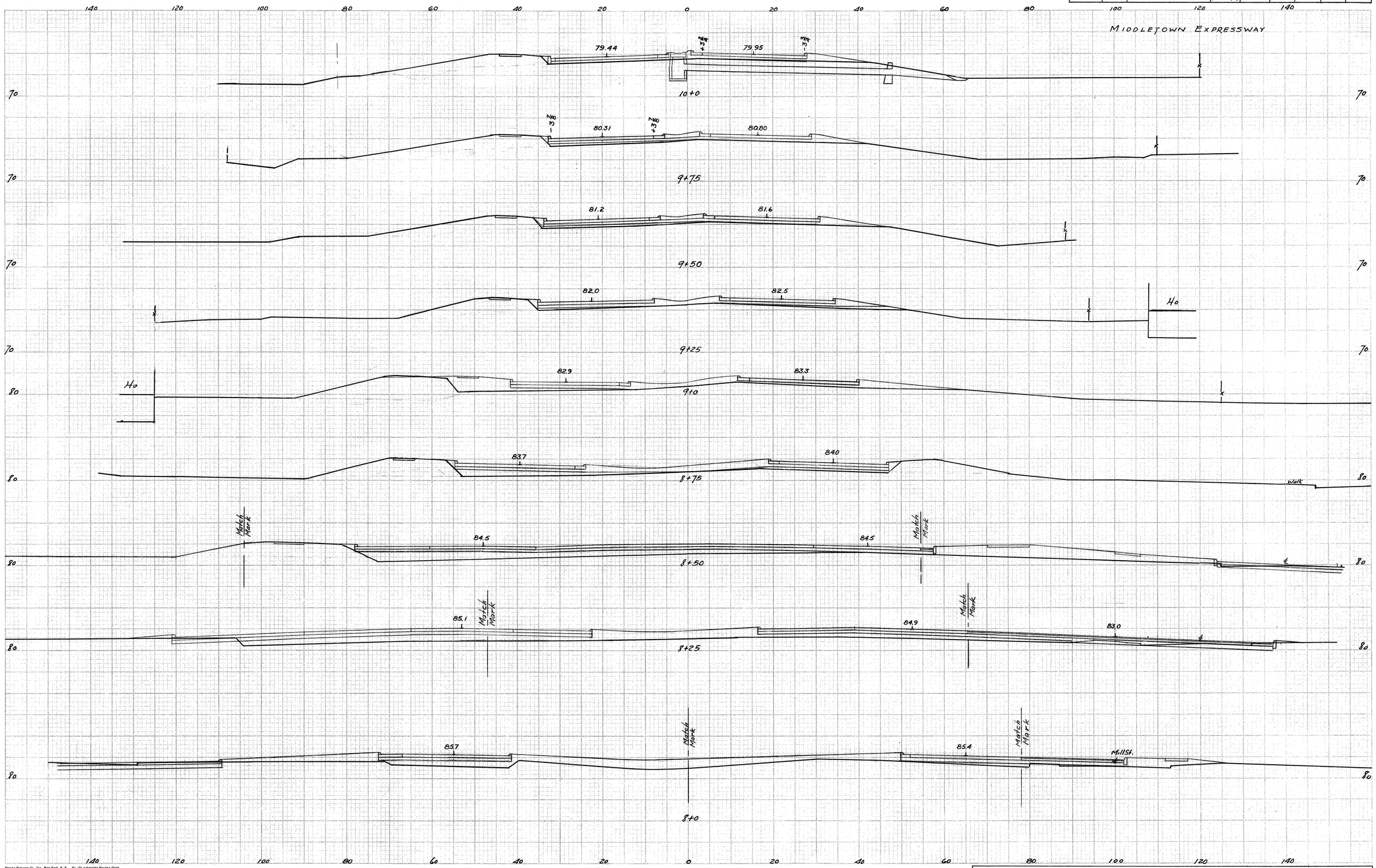
176 03

CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	38	57



NOTE BOOK NO.

Ground Surface Plotted by Macri
" " Checked by
Template Sections Plotted by Macri
" " Checked by
Areas by
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Airweight Tracing Cloth

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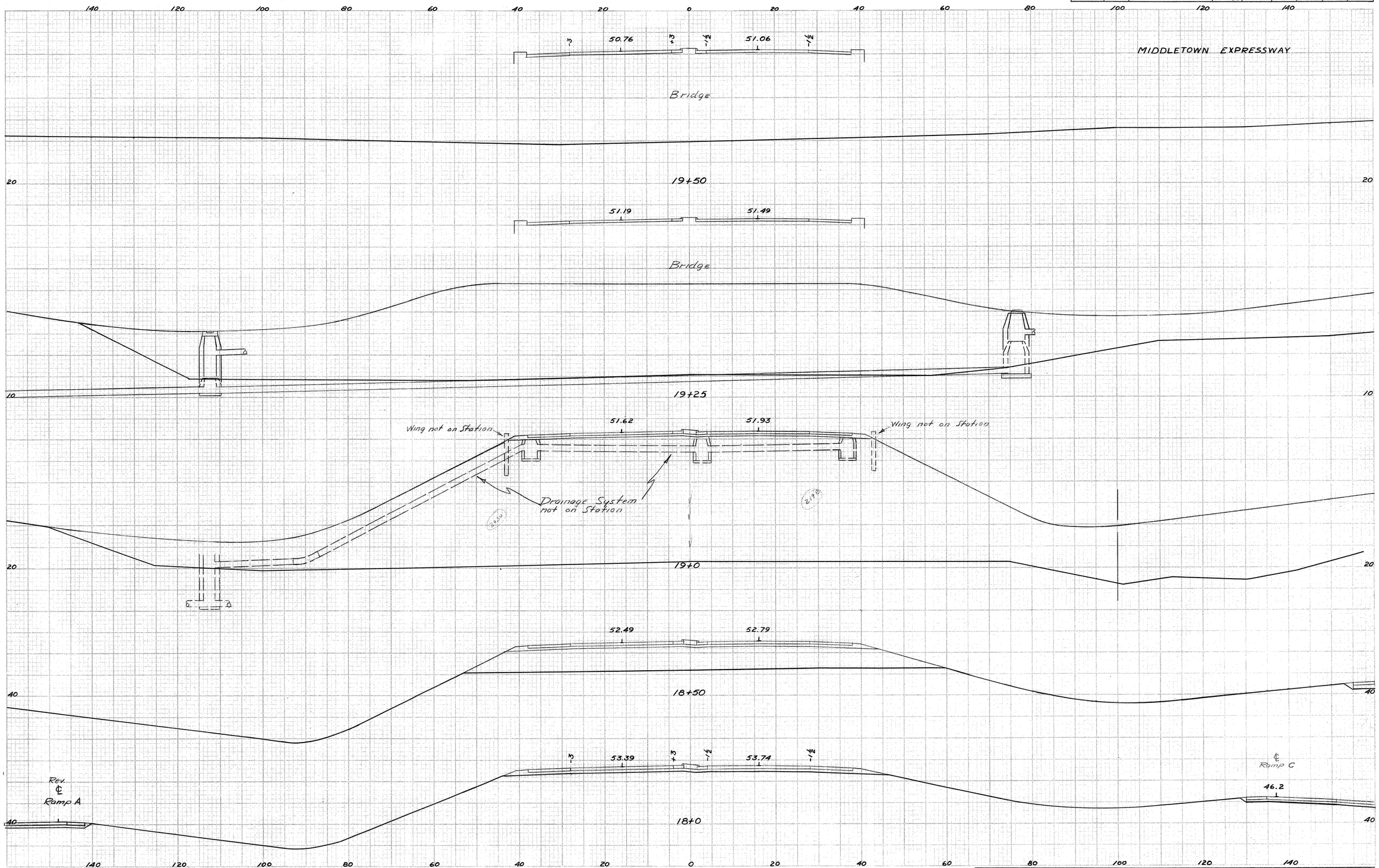
CROSS SECTIONS

SCALE 1 INCH = 10 FEET

FORM NO. EMG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	39	57



NOTE BOOK NO.	
Ground Surface Plotted by	R O'Brien
" " Checked by	
Template Sections Plotted by	R O'Brien
" " Checked by	
Areas by	R O'Brien
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N. Y. No. 171 Airweight Tracing Cloth

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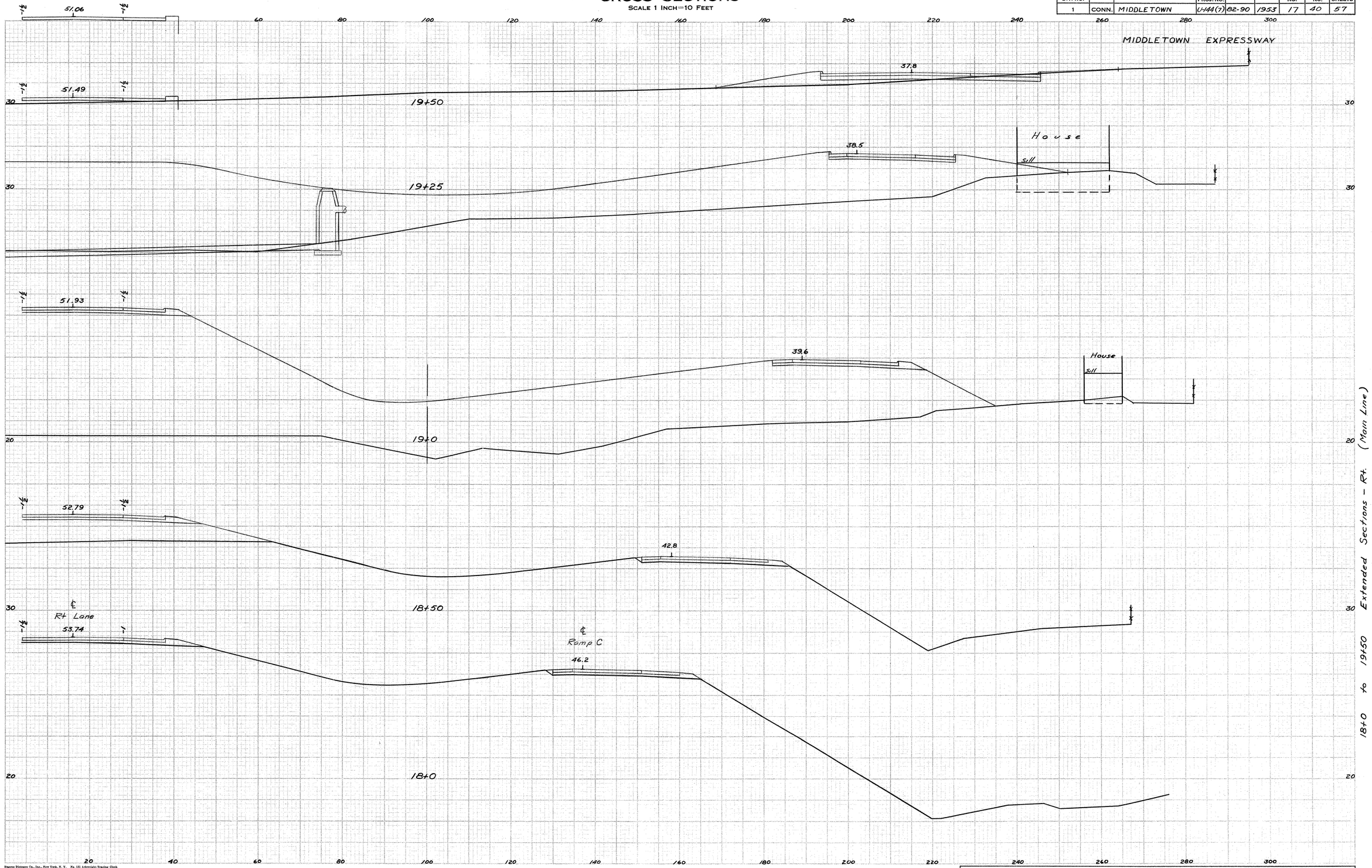
82 90 176 08

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	40	57

CROSS SECTIONS

SCALE 1 INCH = 10 FEET



NOTE BOOK NO.

Ground Surface Plotted by R.O'Brien
" " Checked by
Template Sections Plotted by R.O'Brien
" " Checked by
Areas by
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Arkwright Tracing Cloth

82 90

176 08

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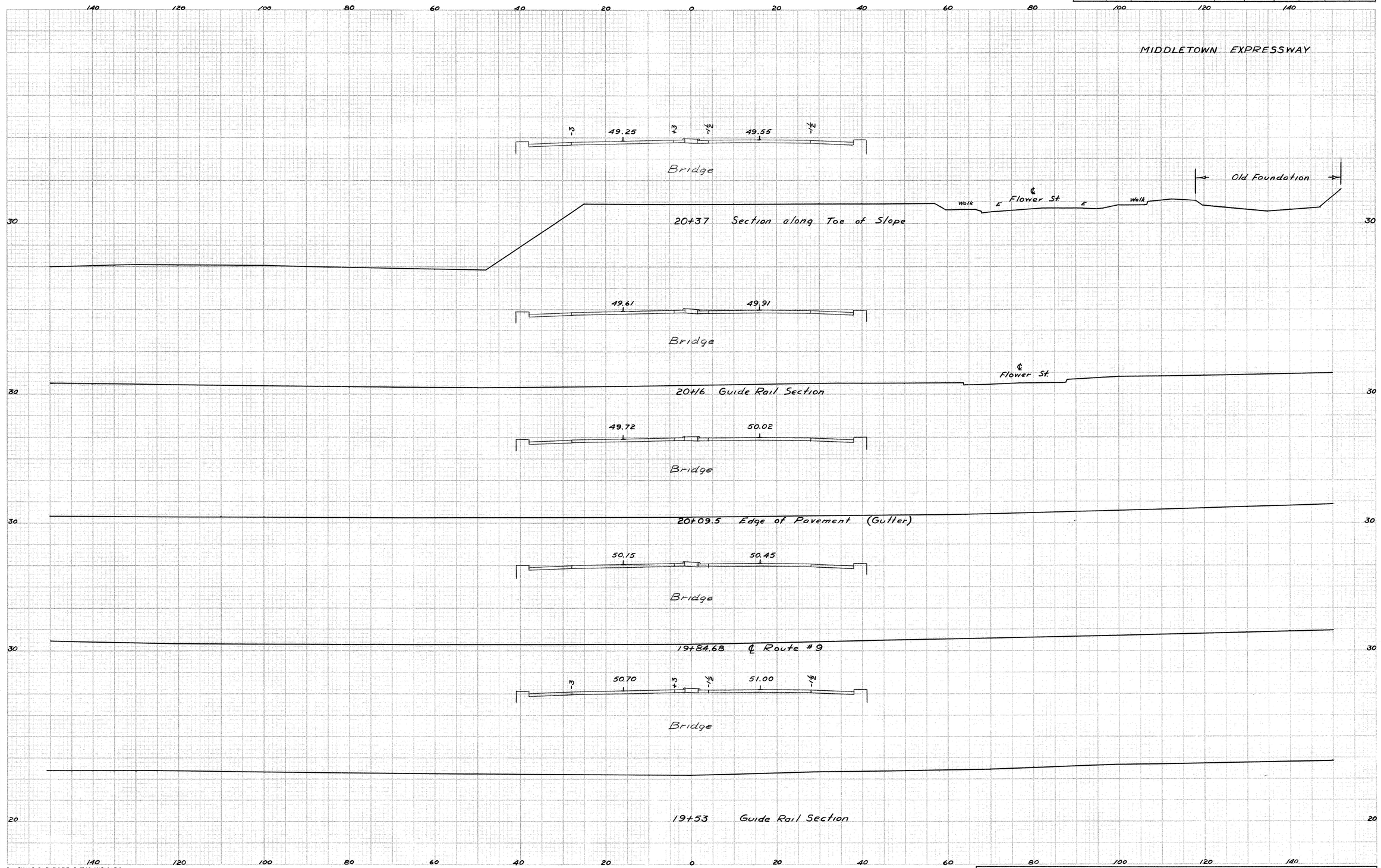
CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	41	57



NOTE BOOK NO.

round Surface Plotted by R O'Brien
" " Checked by
emplate Sections Plotted by R O'Brien
" " Checked by
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" Checked by

inal Sections Plotted by
" " Checked by
nal Areas by
" " Checked by
uantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Arkwright Tracing Cloth

82 90

176 08

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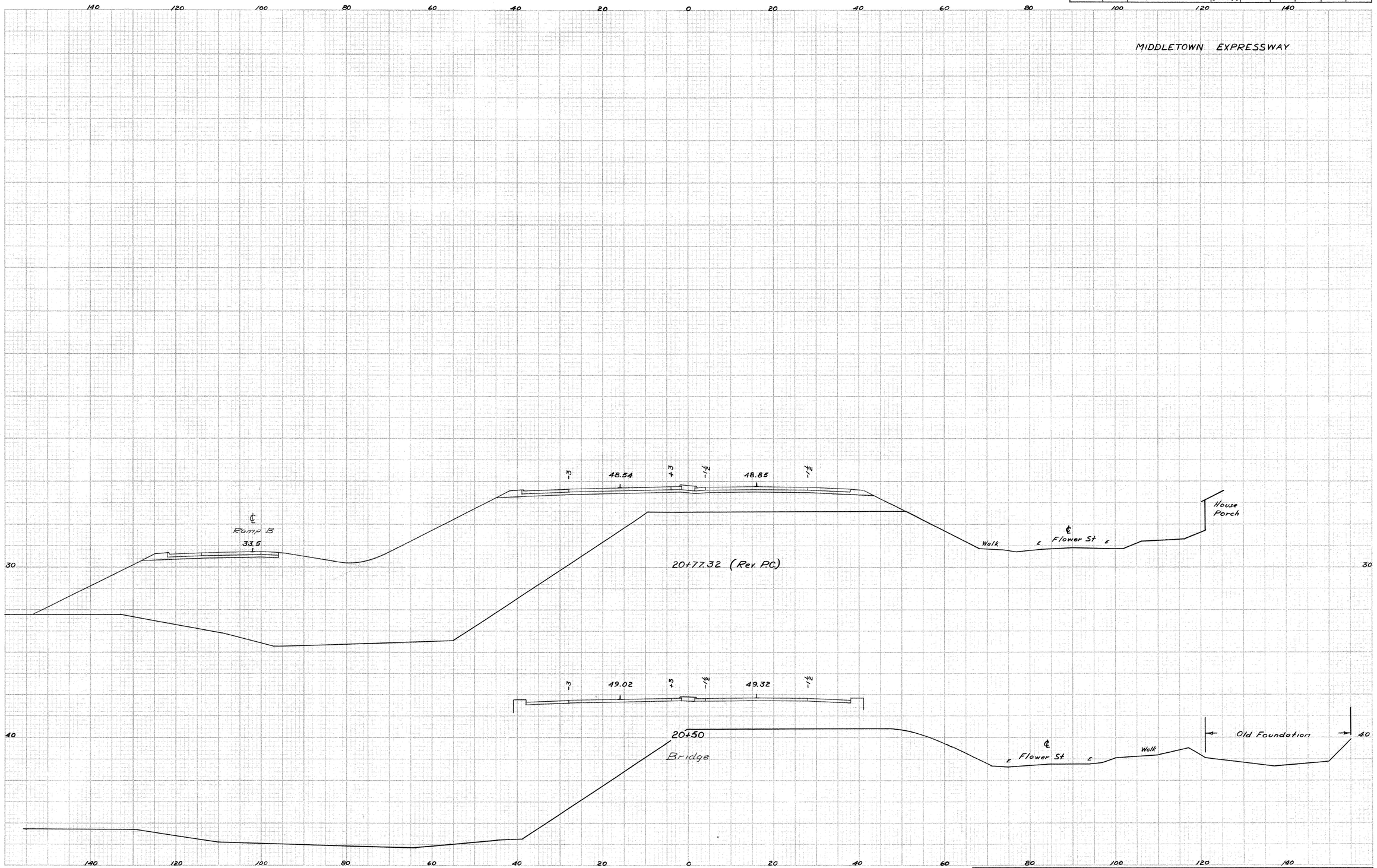
CROSS SECTIONS

SCALE 1 INCH = 10 FEET

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLE TOWN	U-141(7)	B2-90	1953	17	42	57

MIDDLETOWN EXPRESSWAY



NOTE BOOK NO.

Ground Surface Plotted by R.O.Brien
" " Checked by
Template Sections Plotted by R.O.Brien
" " Checked by
Areas by
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Engineer Distogen Co., Inc., New York, N. Y. No. 131 Airweight Tracing Cloth

82 90

176 08

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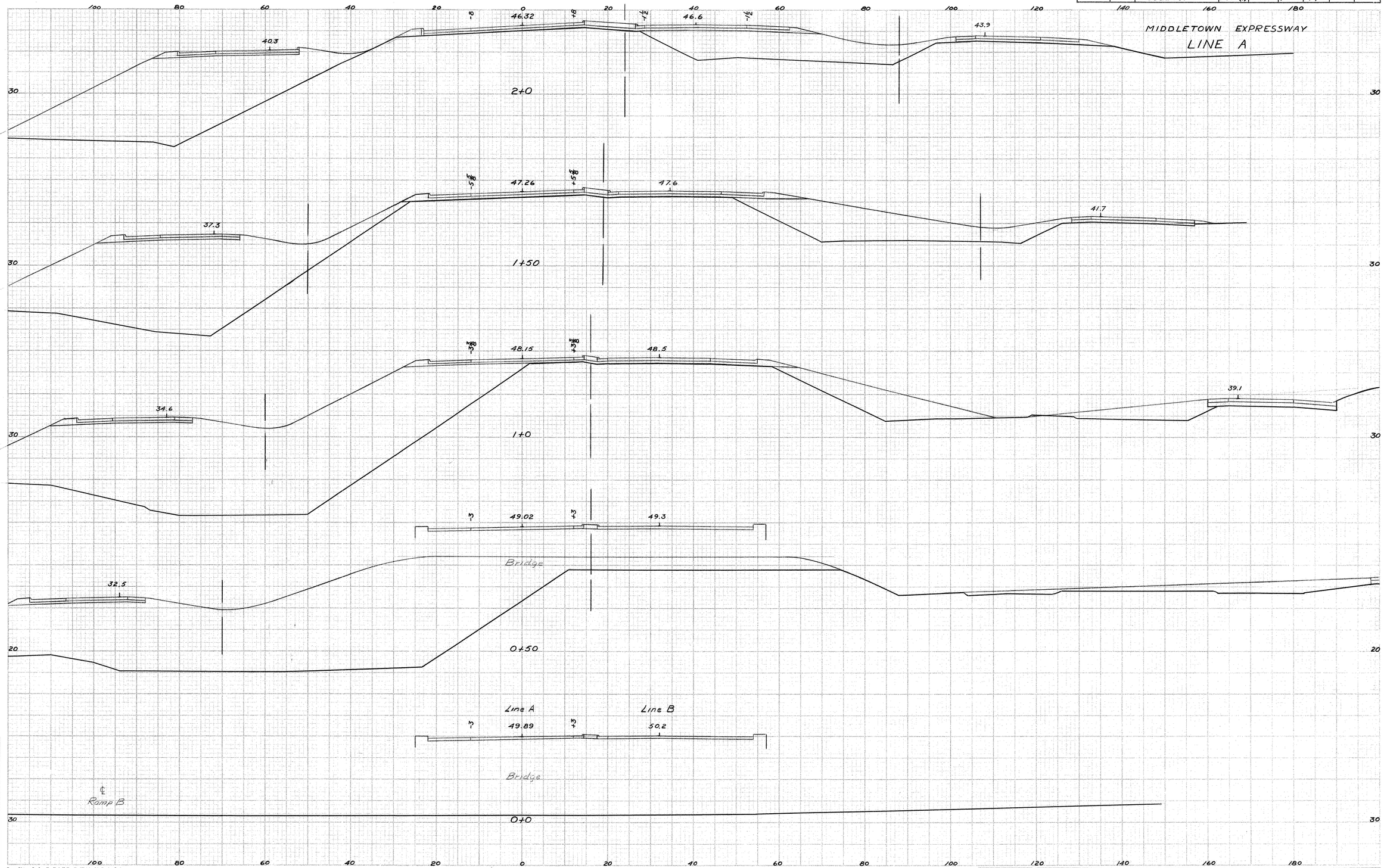
FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLE TOWN	U-144(7)	82-90	1953	17	43	57

CROSS SECTIONS

SCALE 1 INCH=10 FEET



NOTE BOOK NO.

Ground Surface Plotted by R O'Brien
" " Checked by
Template Sections Plotted by R O'Brien
" " Checked by
Areas by
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 133 Art-weight Tracing Cloth

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82 90

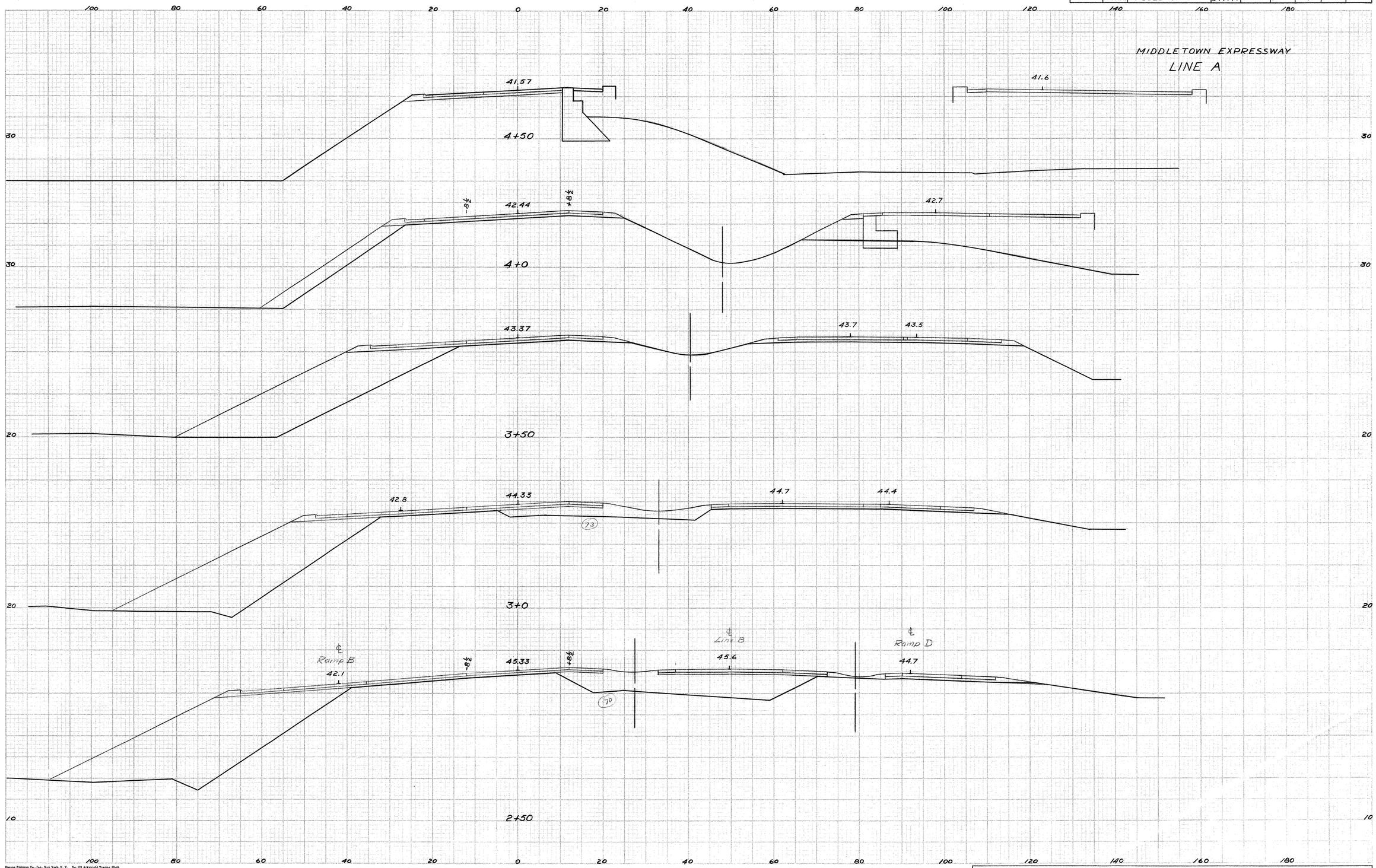
176 03

CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 14 ED. 7-/6

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	44	57



NOTE BOOK NO.

Ground Surface Plotted by R O'Brien
" " Checked by
Template Sections Plotted by R O'Brien
" " Checked by
Areas by R O'Brien
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Airweight Tracing Cloth

82 90

176 08

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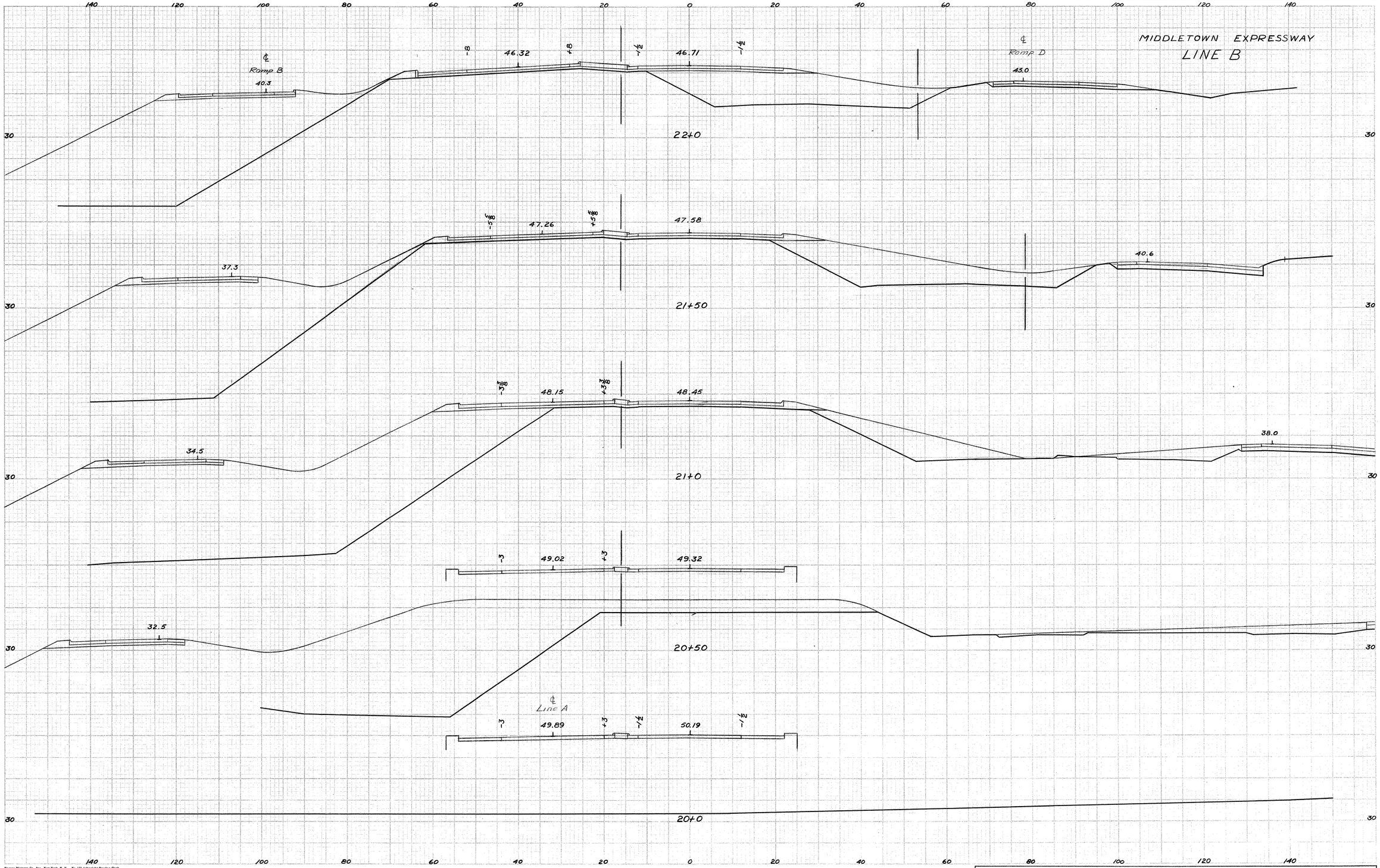
CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 1 ED. 7-48

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	45	57



NOTE BOOK NO. Cross Sect. Sheets 42-46

Ground Surface Plotted by R O'Brien
" " Checked by
Template Sections Plotted by R O'Brien
" " Checked by
Areas by
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Airweight Tracing Cloth

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82 90

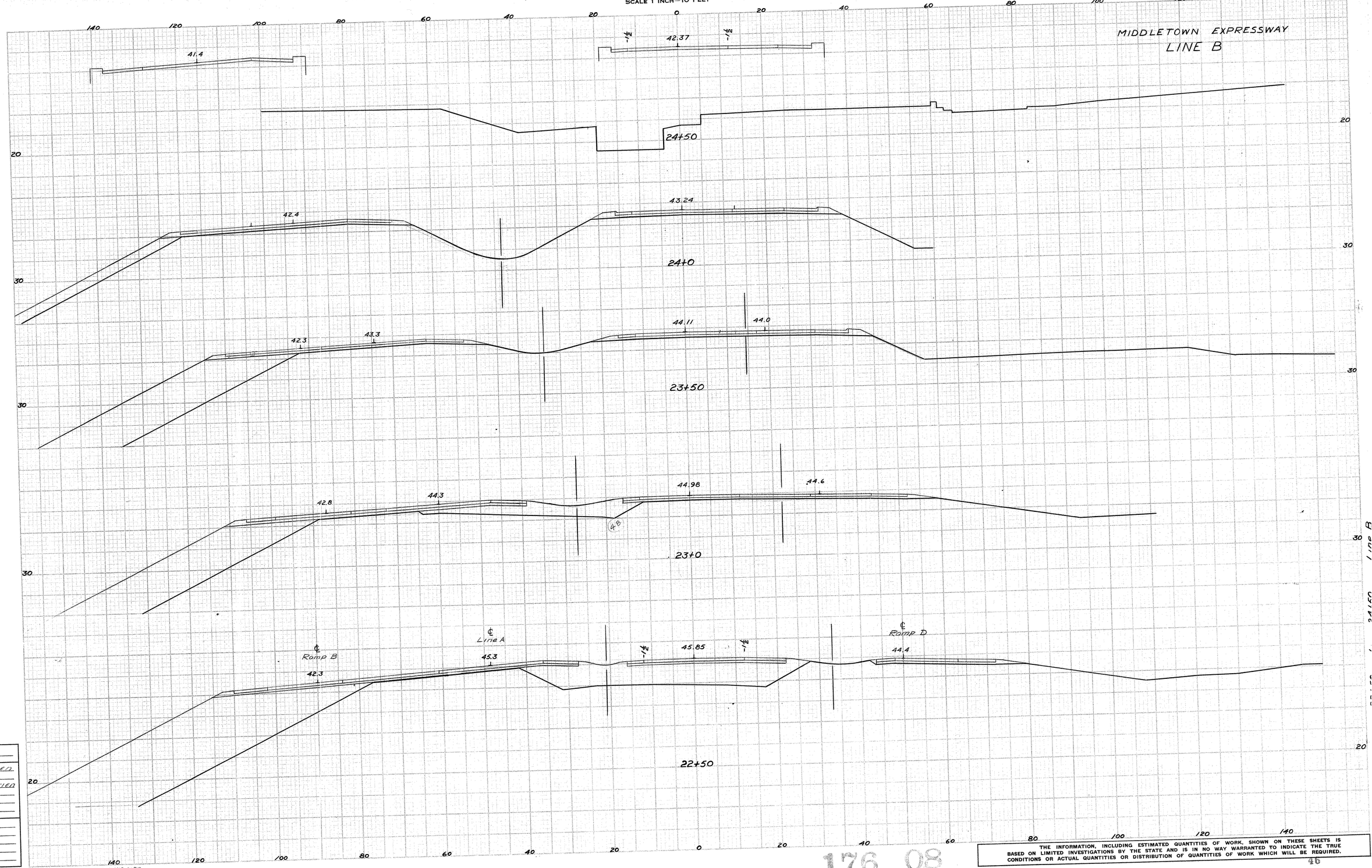
176 08

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	46	57

CROSS SECTIONS

SCALE 1 INCH=10 FEET



NOTE BOOK NO.

Ground Surface Plotted by R O'Brien
" " Checked by
Template Sections Plotted by R O'Brien
" " Checked by
Areas by R O'Brien
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

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Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Arkwright Tracing Cloth

82 90

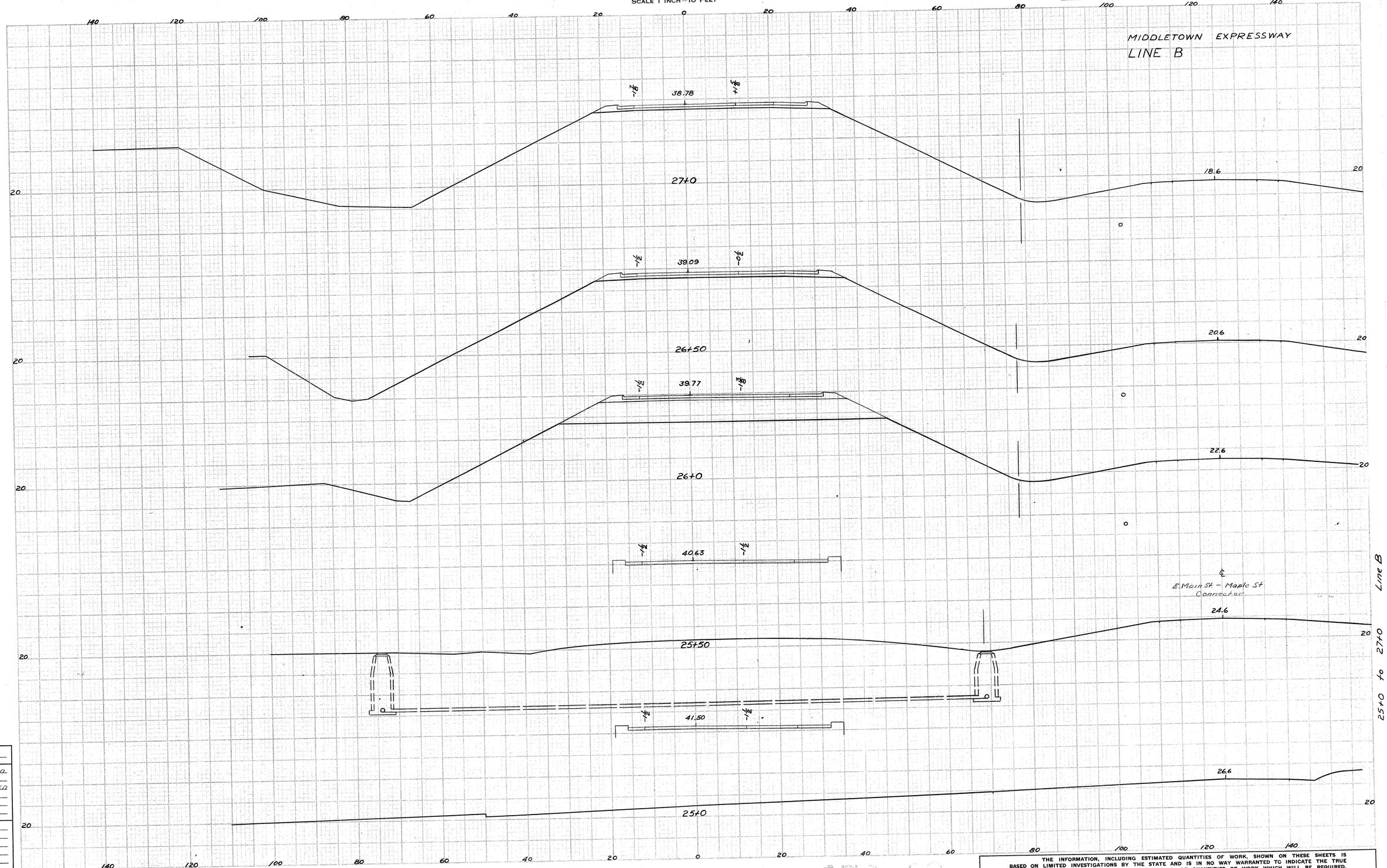
176 08

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(1)	82-90	1953	17	47	57

CROSS SECTIONS

SCALE 1 INCH = 10 FEET



NOTE BOOK NO.	
Ground Surface Plotted by	R O'Brien
" " Checked by	
Template Sections Plotted by	R O'Brien
" " Checked by	
Areas by	R O'Brien
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Artwright Tracing Cloth

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CROSS SECTIONS

SCALE 1 INCH = 10 FEET

FORM NO. ENG. 14 ED. 7-46

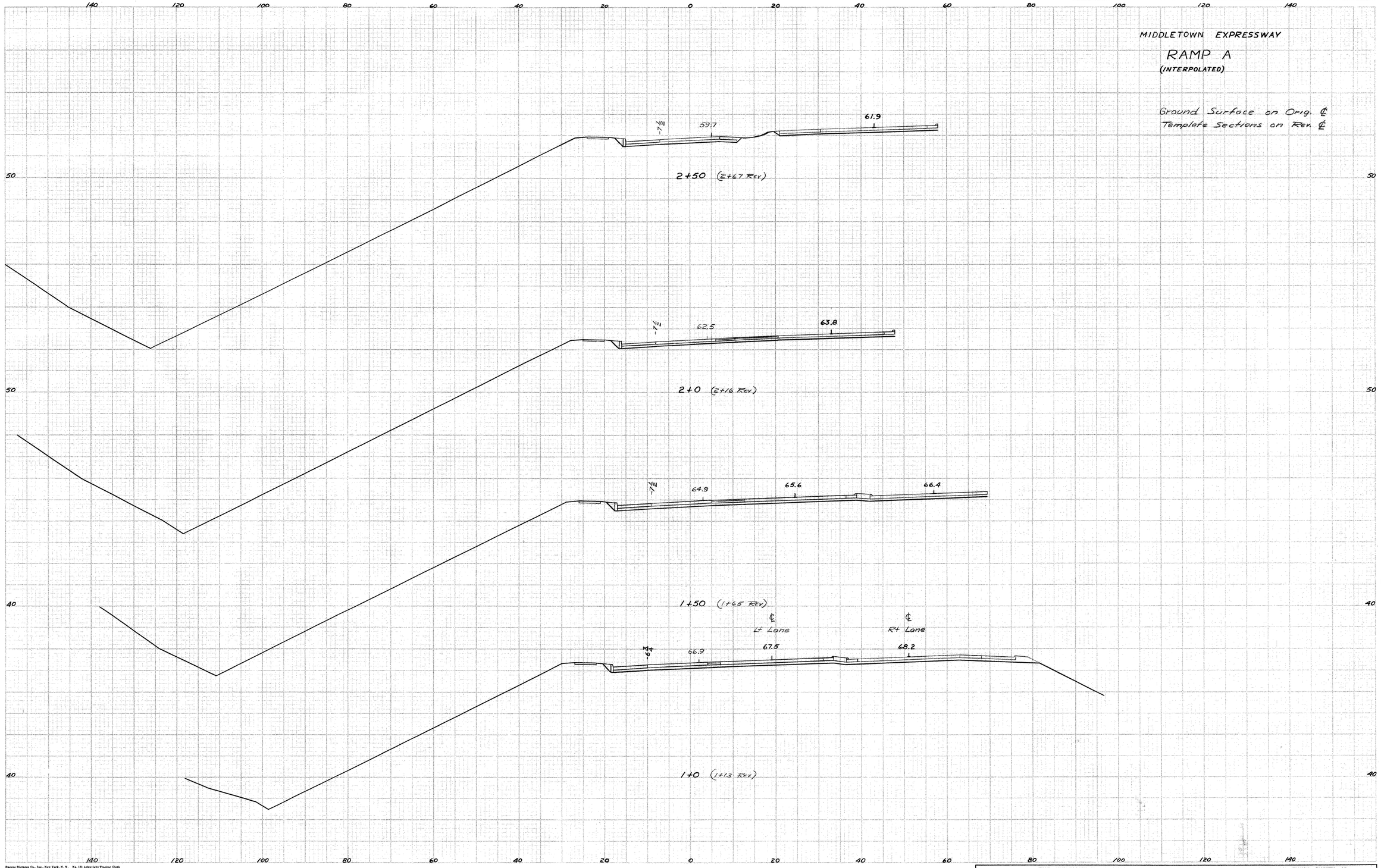
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	48	57

MIDDLETOWN EXPRESSWAY

RAMP A

(INTERPOLATED)

Ground Surface on Orig. ℄
Template Sections on Rev. ℄



Ramp A

1+0 to 2+50

NOTE BOOK NO.

Ground Surface Plotted by R O'Brien
" " Checked by
Template Sections Plotted by R O'Brien
" " Checked by
Areas by
" Checked by
Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Arkwright Tracing Cloth

82 90

176 08

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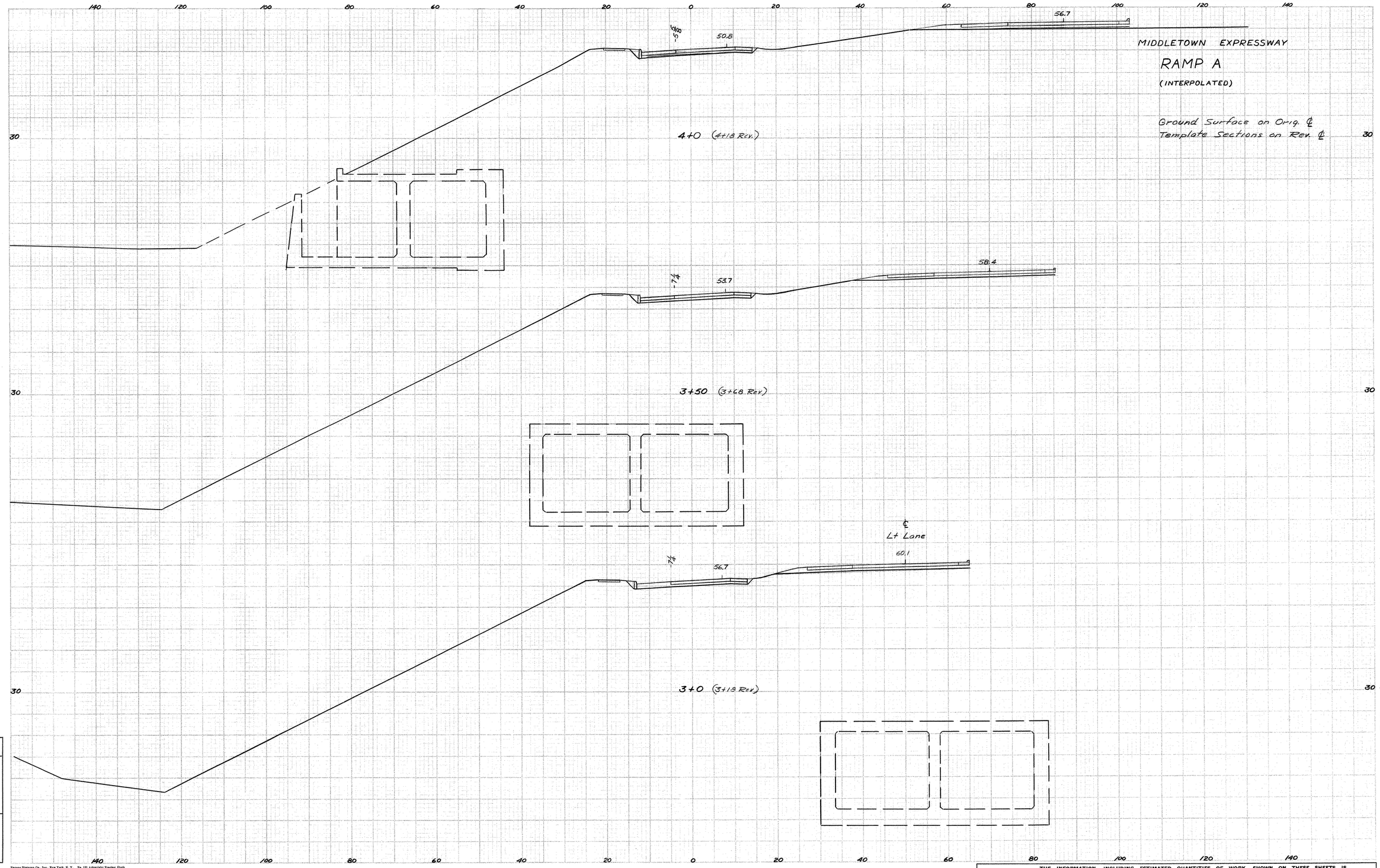
CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(1)	82-90	1953	17	49	57



NOTE BOOK NO.

Ground Surface Plotted by R O'Brien
" " Checked by
Template Sections Plotted by R O'Brien
" " Checked by
Areas by
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

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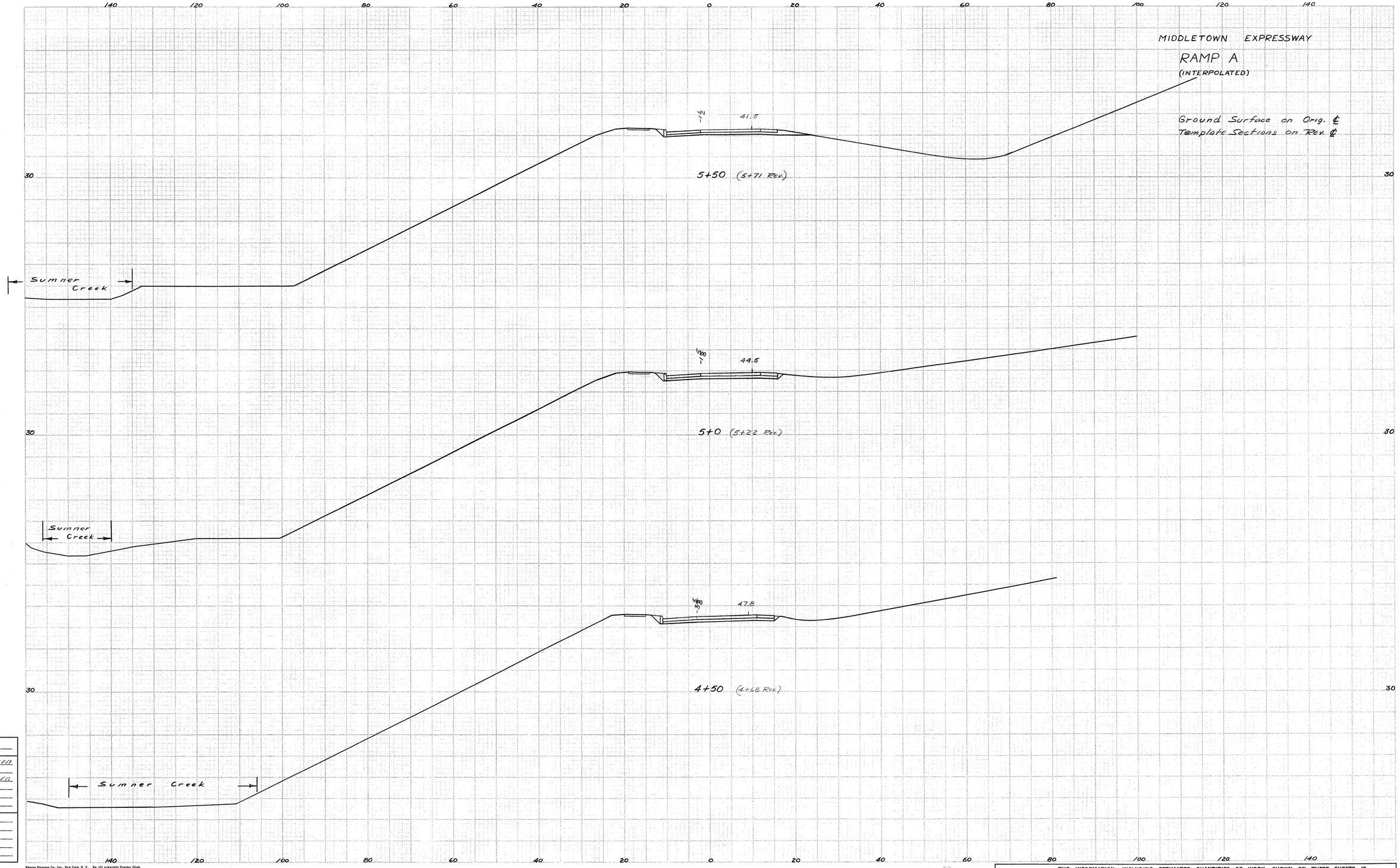
CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	50	57



Ramp A 4+50 to 5+50

NOTE BOOK NO.	
Ground Surface Plotted by	R O'Brien
" " Checked by	
Template Sections Plotted by	R O'Brien
" " Checked by	
Areas by	
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N. Y. No. 132 Arkwright Tracing Cloth

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82 90

176 08

CROSS SECTIONS

SCALE 1 INCH = 10 FEET

FORM NO. ENG. 14 ED. 7-46

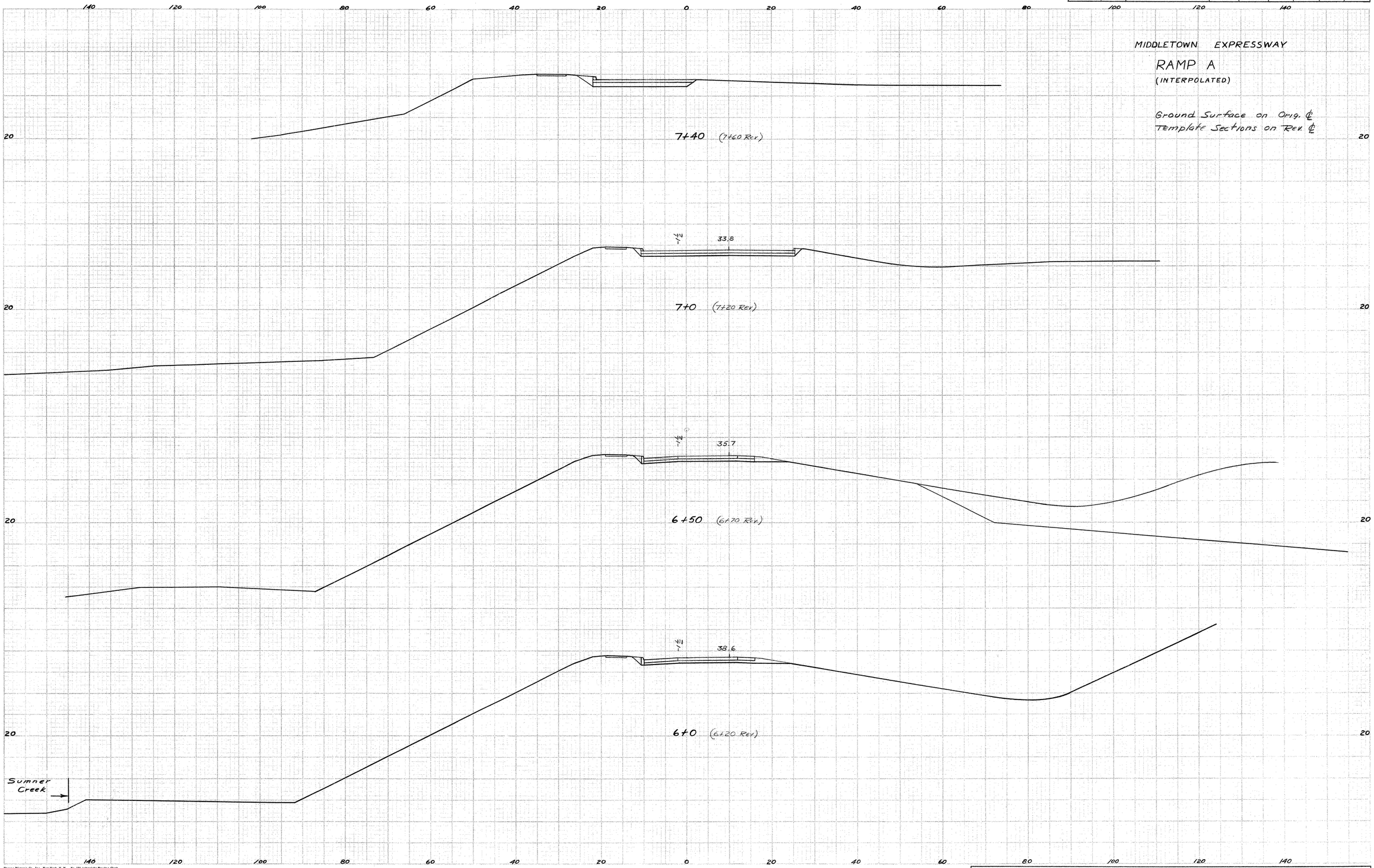
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	51	57

MIDDLETOWN EXPRESSWAY

RAMP A

(INTERPOLATED)

Ground Surface on Orig. ℄
Template Sections on Rev. ℄



Ramp A

6+0 to 7+40

NOTE BOOK NO.	
Ground Surface Plotted by	R O'Brien
" " Checked by	
Template Sections Plotted by	R O'Brien
" " Checked by	
Areas by	
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Arkwright Tracing Cloth

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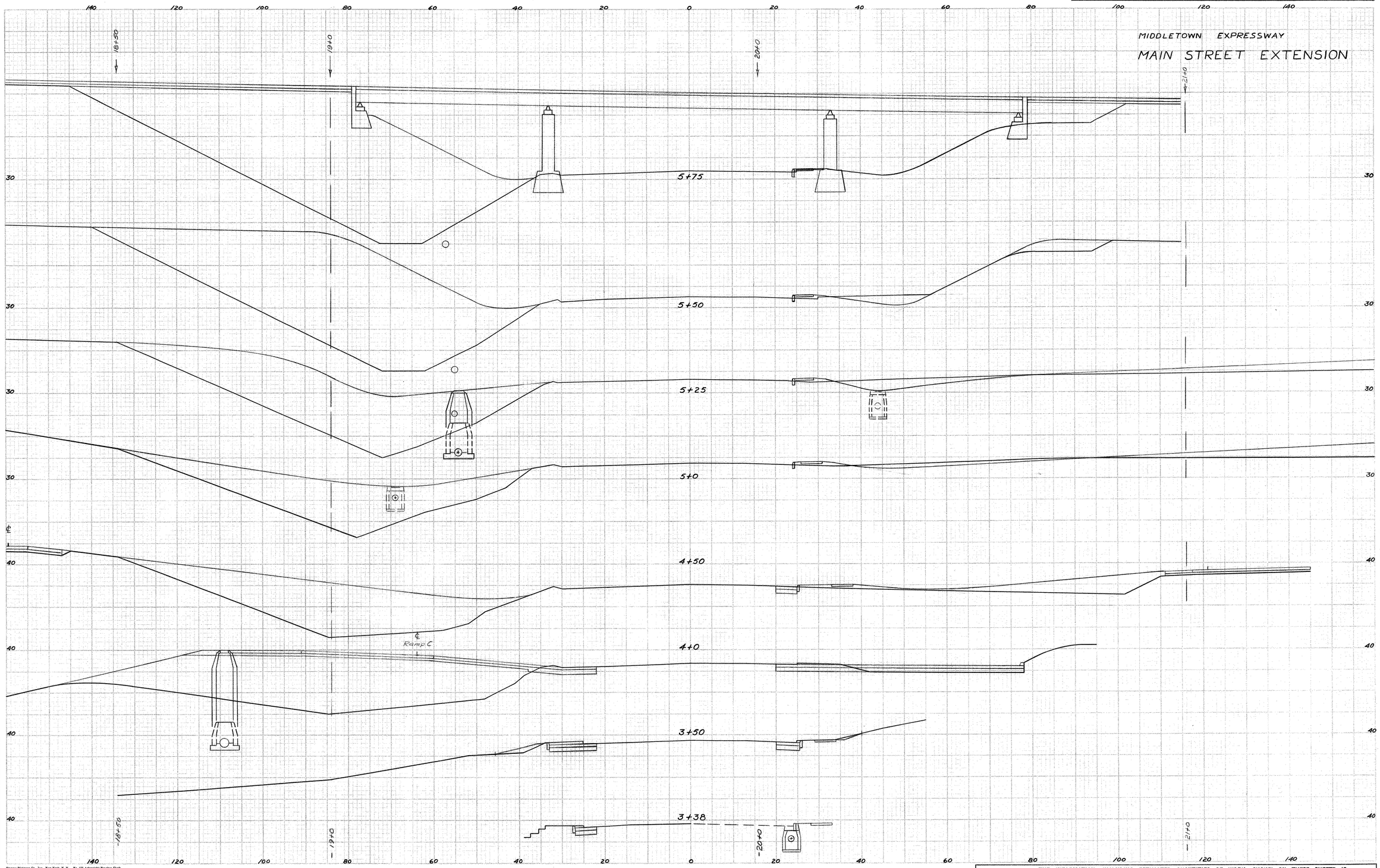
CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-1440	82-90	1953	17	52	57



NOTE BOOK NO.	
Ground Surface Plotted by	R O'Brien
" " Checked by	
Template Sections Plotted by	R O'Brien
" " Checked by	
Areas by	
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Airweight Tracing Cloth

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82 90

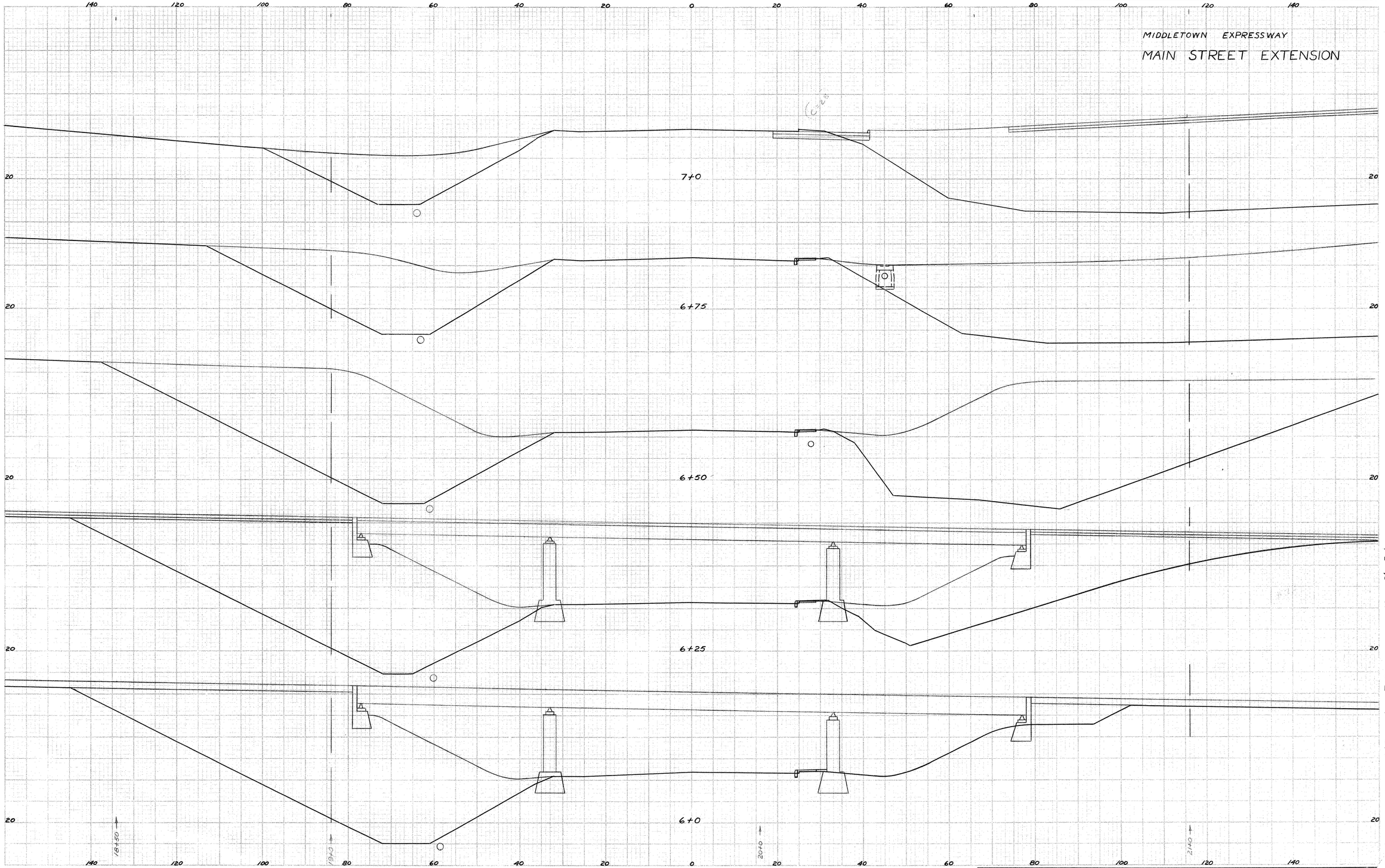
176 08

CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	53	57



NOTE BOOK NO.

Ground Surface Plotted by R O'Brien
" " Checked by
Template Sections Plotted by R O'Brien
" " Checked by
Areas by
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 A Weight Tracing Cloth

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82 90

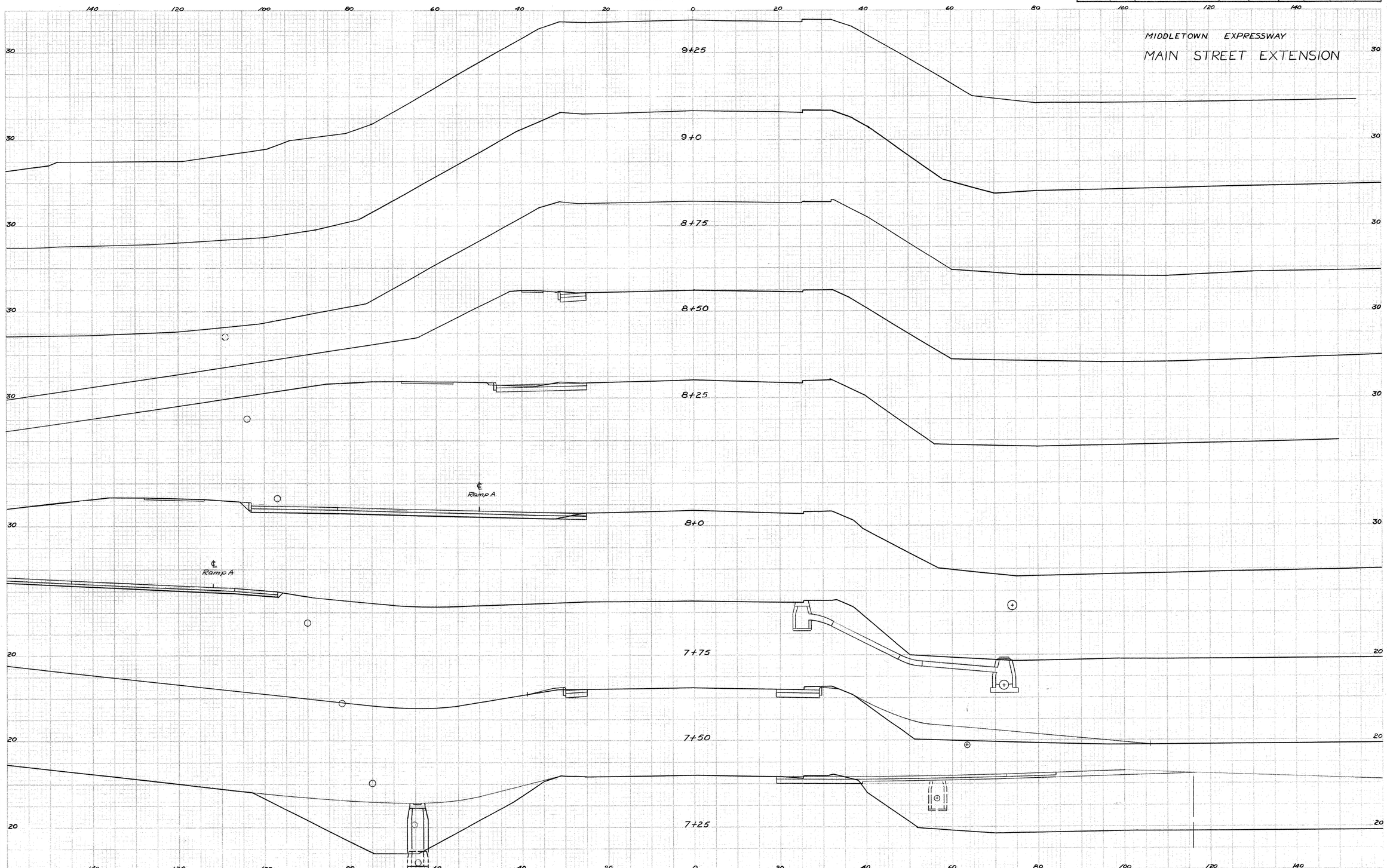
176 08

CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	1953	17	54	57



NOTE BOOK NO.	
Ground Surface Plotted by	R O'Brien
" " Checked by	
Template Sections Plotted by	R O'Brien
" " Checked by	
Areas by	
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Artwright Tracing Cloth

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82 90

176 08

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

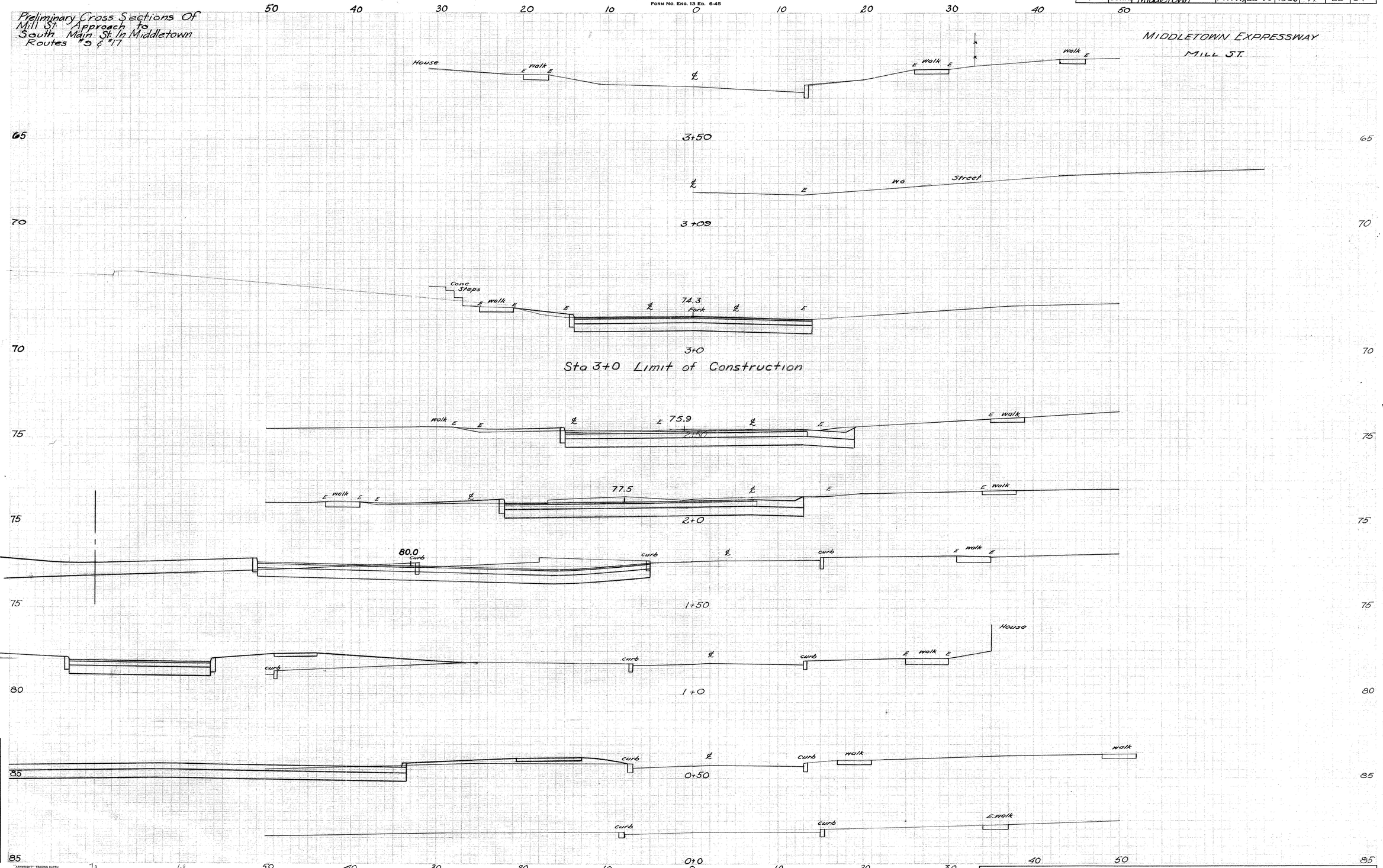
FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144 (7)	82-90	1953	17	55	57

Preliminary Cross Sections Of Mill St. Approach to South Main St. in Middletown Routes #3 & #17

MIDDLETOWN EXPRESSWAY

MILL ST.



NOTE BOOK NO. 82-68F

Ground Surface Plotted by E.J. Dubaime
" " Checked by L. Plante
Cross Plate Sections Plotted by D.R. Macri
" " Checked by R. O'Brien
Areas by R. O'Brien
Checked by L. Clifford

Final Sections Plotted by
" Checked by
Final Areas by
" Checked by
Quantity Transferred and Inked by

"SANWRIGHT" TRACING CLOTH K & E CO., N.Y.

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0+0 - 3+50 MILL ST.

82 90

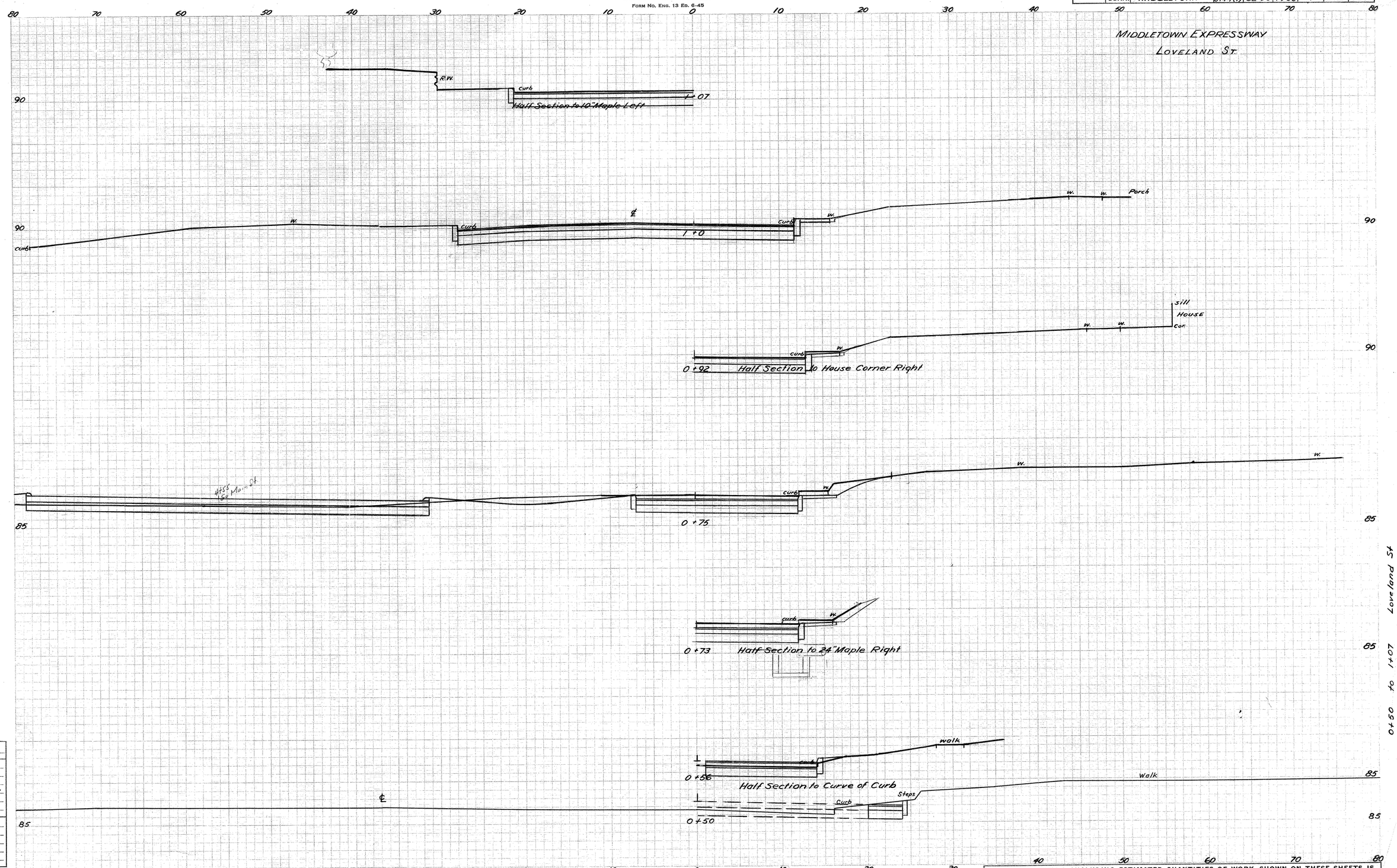
176 08

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	SHEET NO.	TOTAL NO. SHEETS
1	CONN.	MIDDLETOWN	U144(7)	82-90	1953	17	56	57



NOTE BOOK NO. 82-68

Ground Surface Plotted by Papineau
" " Checked by McDonald
Template Sections Plotted by Macri
" " Checked by R. O'Brien
Areas by R. O'Brien
" Checked by G. Nelson

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

82 90

176 08

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CROSS SECTIONS

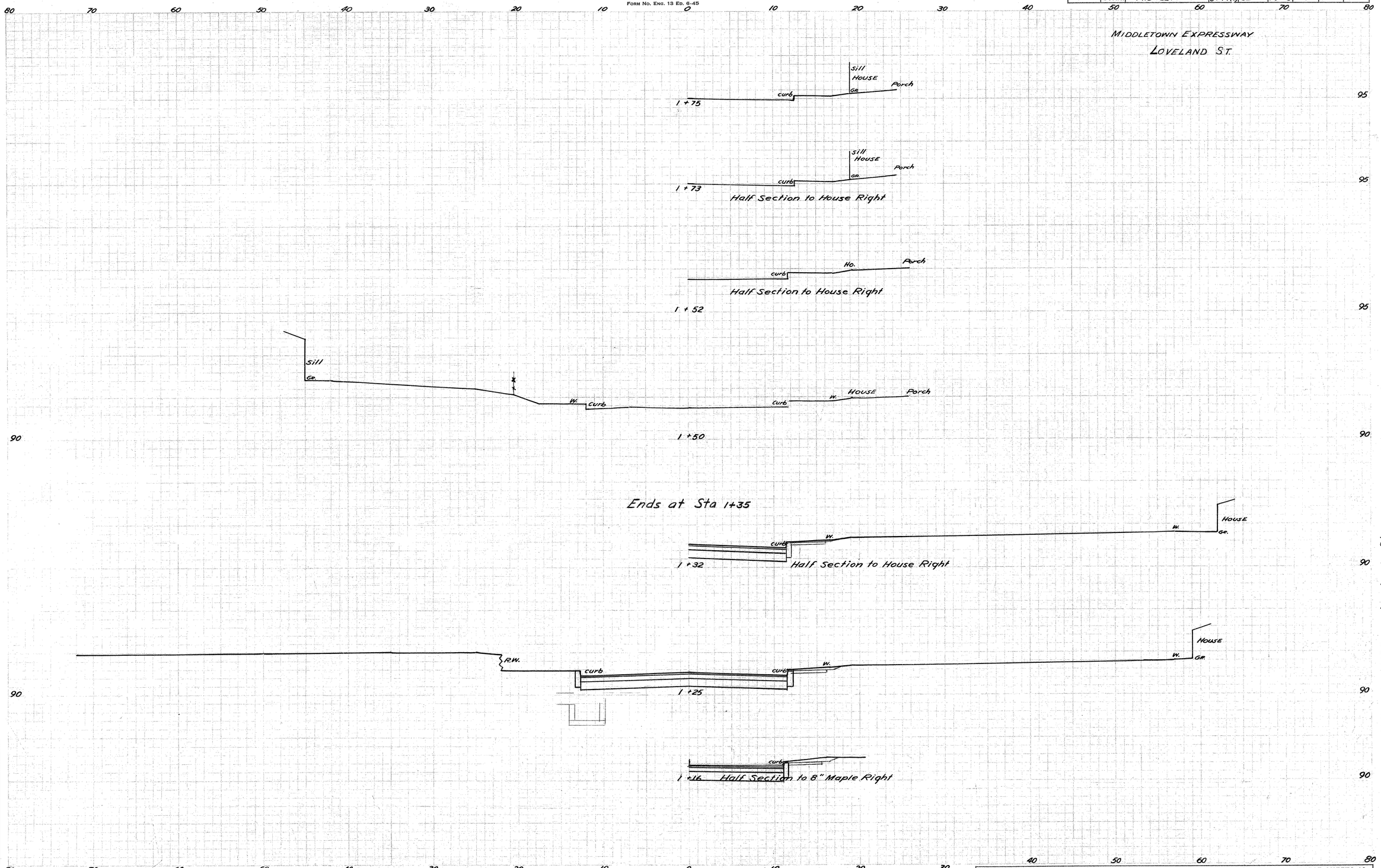
SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U144(7)	82-90	1953	17	57	57

MIDDLETOWN EXPRESSWAY

LOVELAND ST.



NOTE BOOK NO. 82-68

Ground Surface Plotted by Papineau
" " Checked by McDonald
Template Sections Plotted by Macri
" " Checked by R.O'Brien
Areas by R.O'Brien
Checked by G. Nelson

Final Sections Plotted by
" Checked by
Final Areas by
" Checked by
Quantity Transferred and Inked by

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82 90

176 08

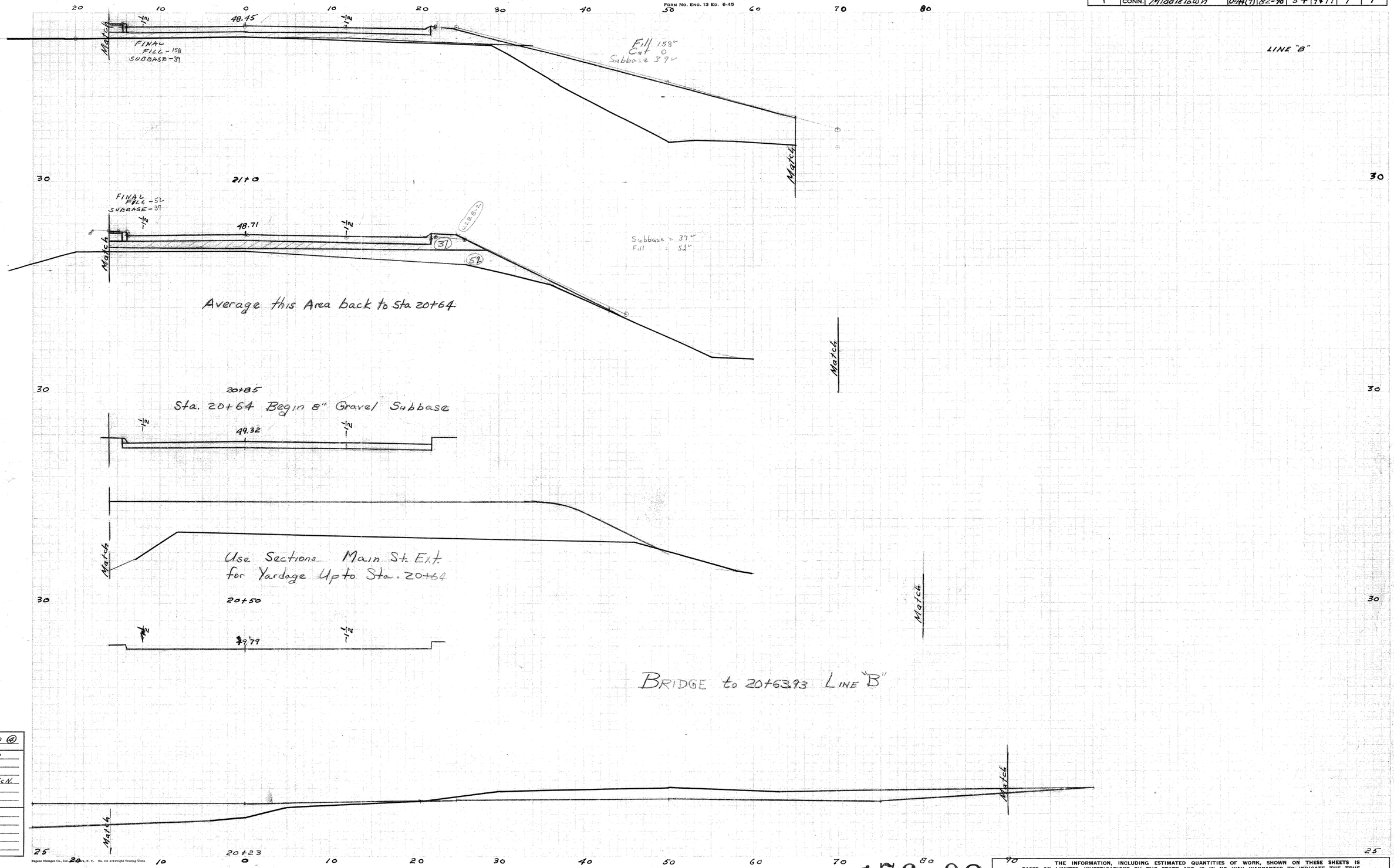
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-448(7)	82-90	54	9+17	1	7

LINE "B"



NOTE BOOK NO. 82-90 (4)
Ground Surface Plotted by TMP
" " Checked by P.C.
Template Sections Plotted by P.C.
" " Checked by J. McN.
Areas by
" Checked by C.H.J.
Final Sections Plotted by
" " Checked by
Final Areas by C.H.J.
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc. New York, N.Y. No. 132 Arkweight Tracing Cloth

82 90

176 08

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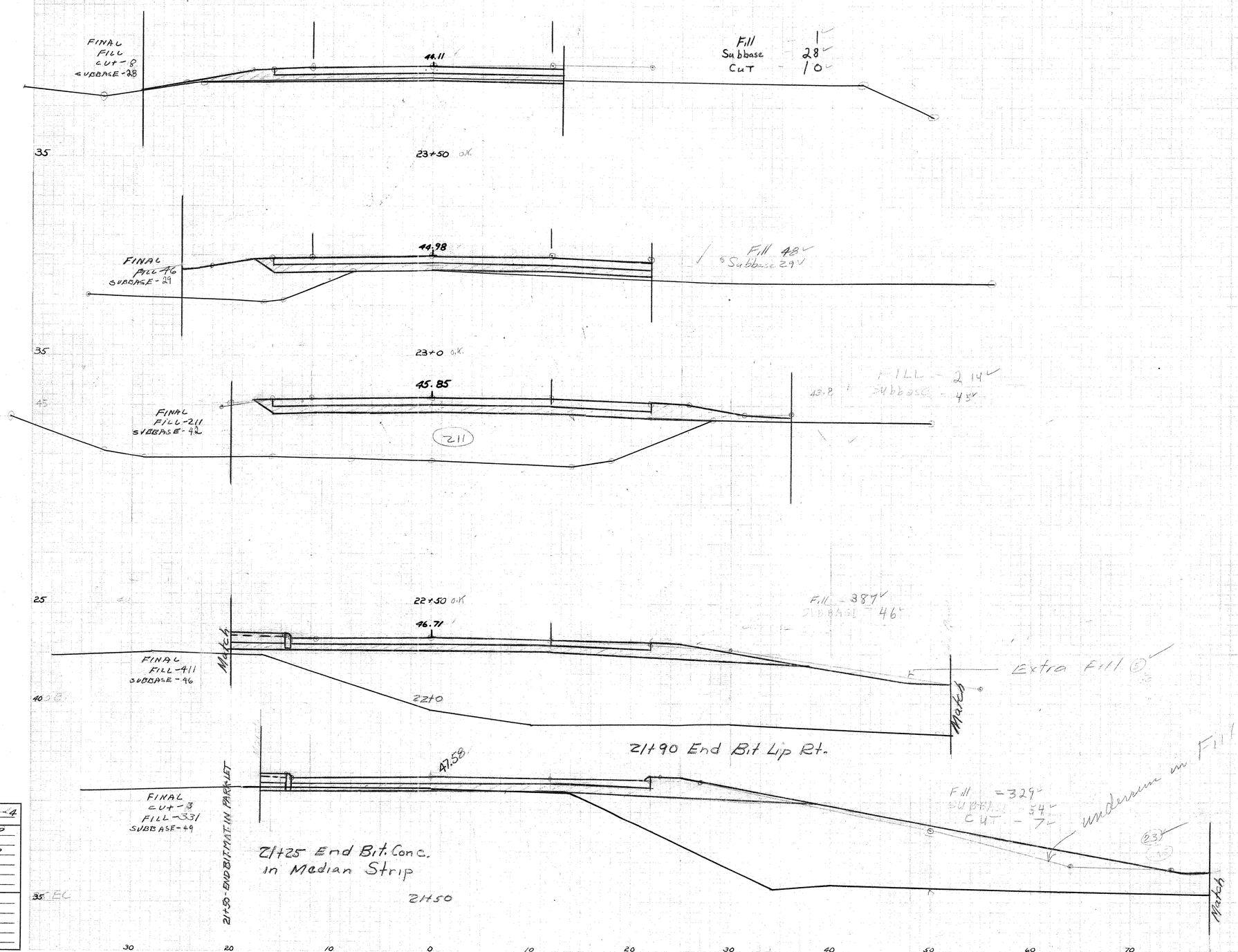
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	54		2	

LINE "B"



LINE B STA. 21+50 to STA. 23+50

NOTE BOOK NO. 82-90-4	
Ground Surface Plotted by	TMP
" " Checked by	P.C.
Template Sections Plotted by	T.M.P.
" " Checked by	J.M.N.
Areas by	
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

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82 90

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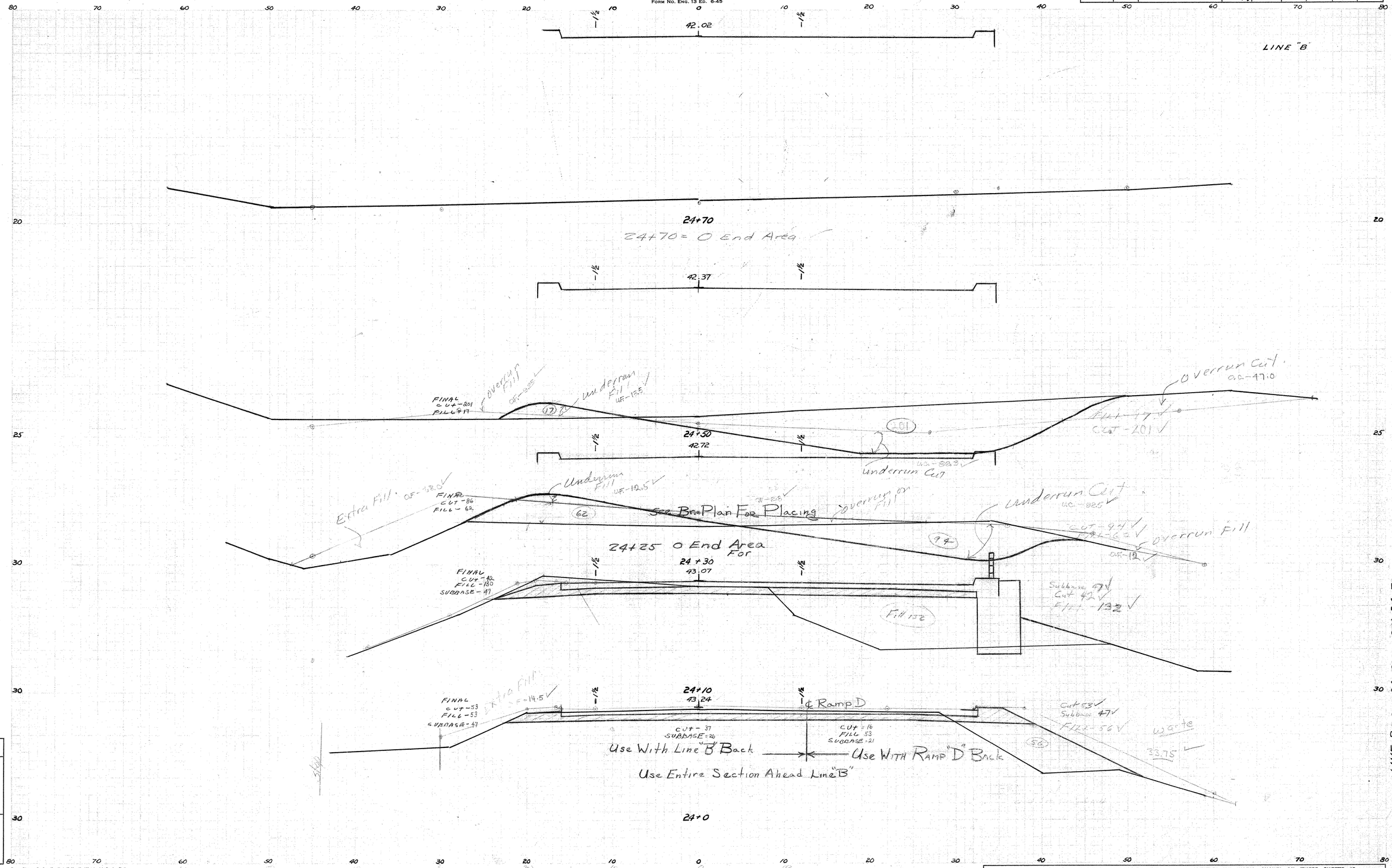
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	54		3	



NOTE BOOK NO. 82-90 (4)

Ground Surface Plotted by T.M.P.
" " Checked by J.D.F.
Template Sections Plotted by T.P.
" " Checked by J.H.N.
Areas by
" Checked by
Final Sections Plotted by
" Checked by
Final Areas by C.H.J.
" Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Ashwright Tracing Cloth

82 90

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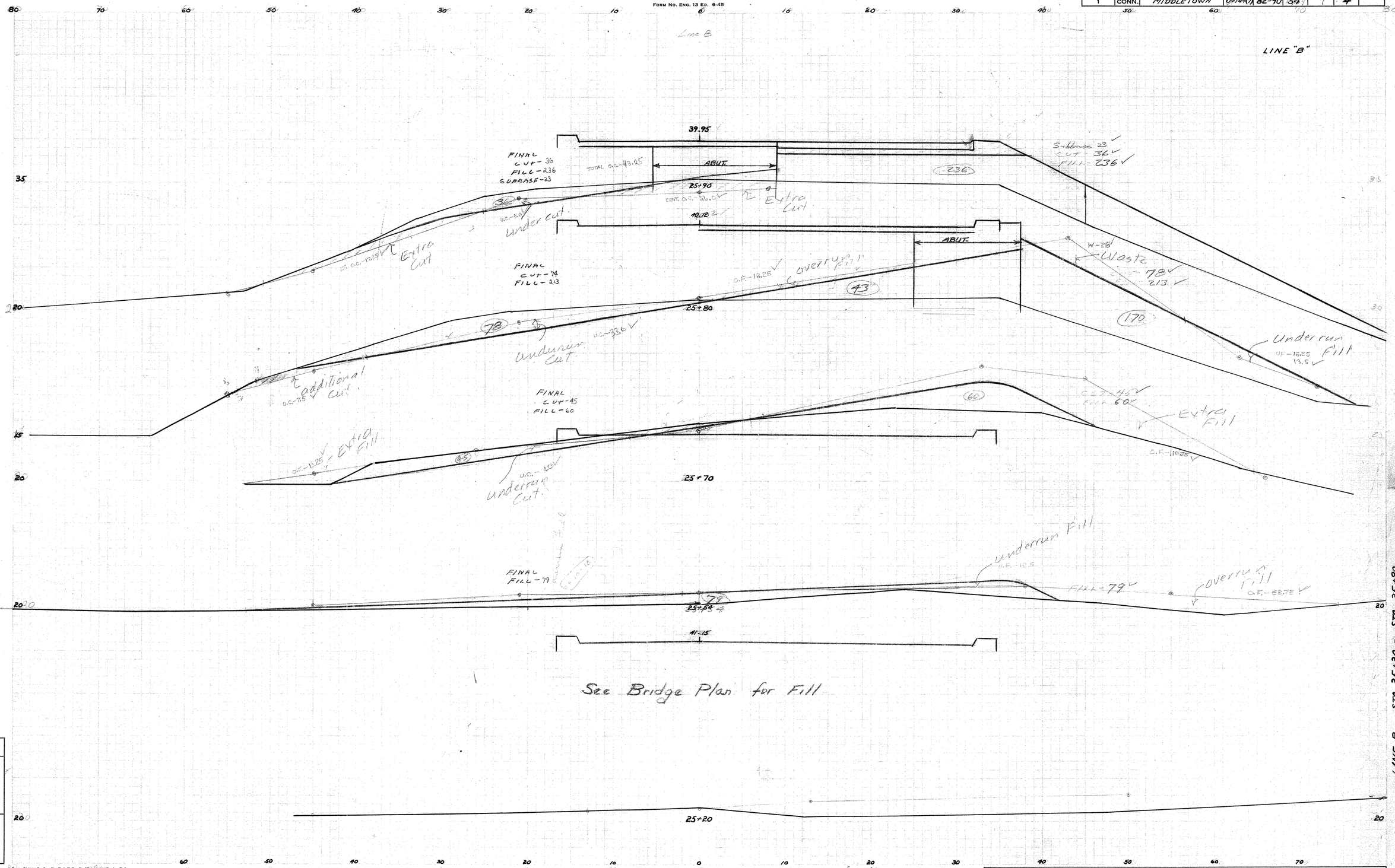
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-149(7)	82-90	54	9	4	



NOTE BOOK NO. 82-90	
Ground Surface Plotted by	TMK
" " Checked by	SDL
Template Sections Plotted by	RC
" " Checked by	J.M.N.
Areas by	
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	C.H.J.
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Airlight Tracing Cloth

82 90

176 08

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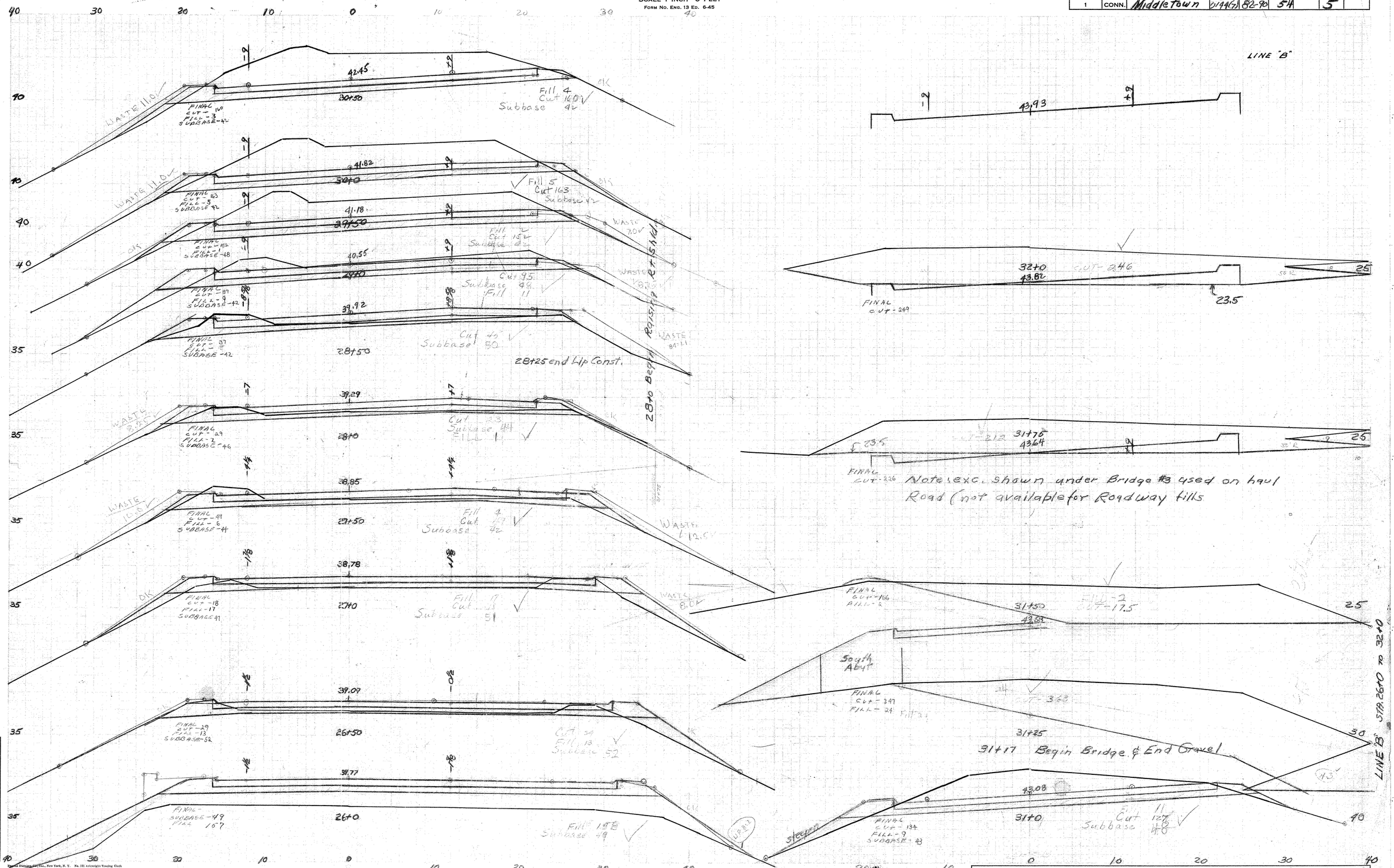
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	0144(7)	82-90	54		5	



OTE BOOK NO.

ound Surface Plotted by

" " Checked by

mplate Sections Plotted by

" " Checked by J.M.N. R.V.T.M.P.

as by

Checked by

al Sections Plotted by

" Checked by

al Areas by C.H.J.

" Checked by

antity Transferred and Inked by

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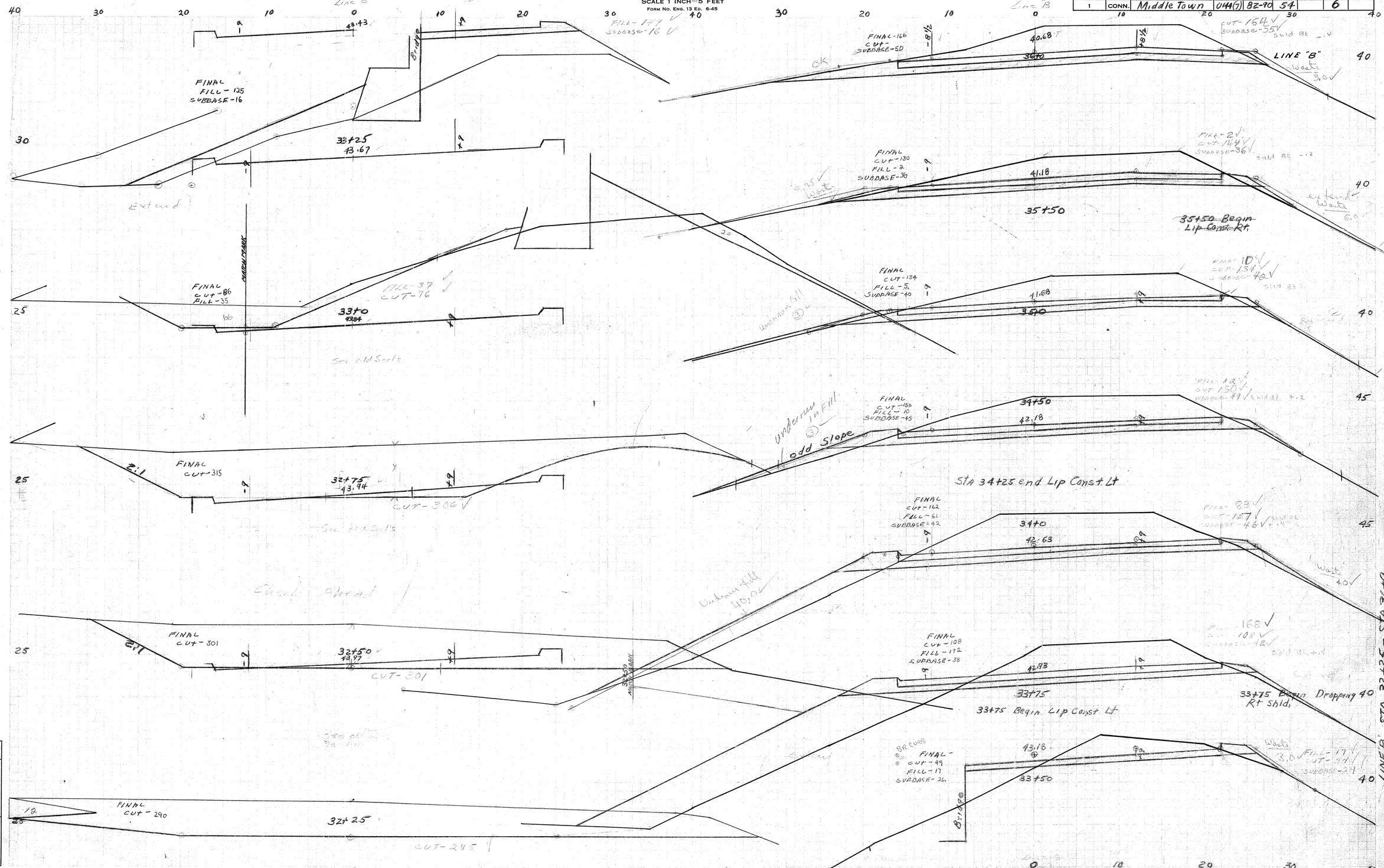
5

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middle Town	U144(7)	82-90	54		6	



OTE BOOK NO. 82-90 (4)

und Surface Plotted by TAP
" " Checked by RC
plate Sections Plotted by RC
" " Checked by
as by
Checked by RSS
al Sections Plotted by
" Checked by
al Areas by C.H.J
" Checked by
ntity Transferred and Inked by

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82 90

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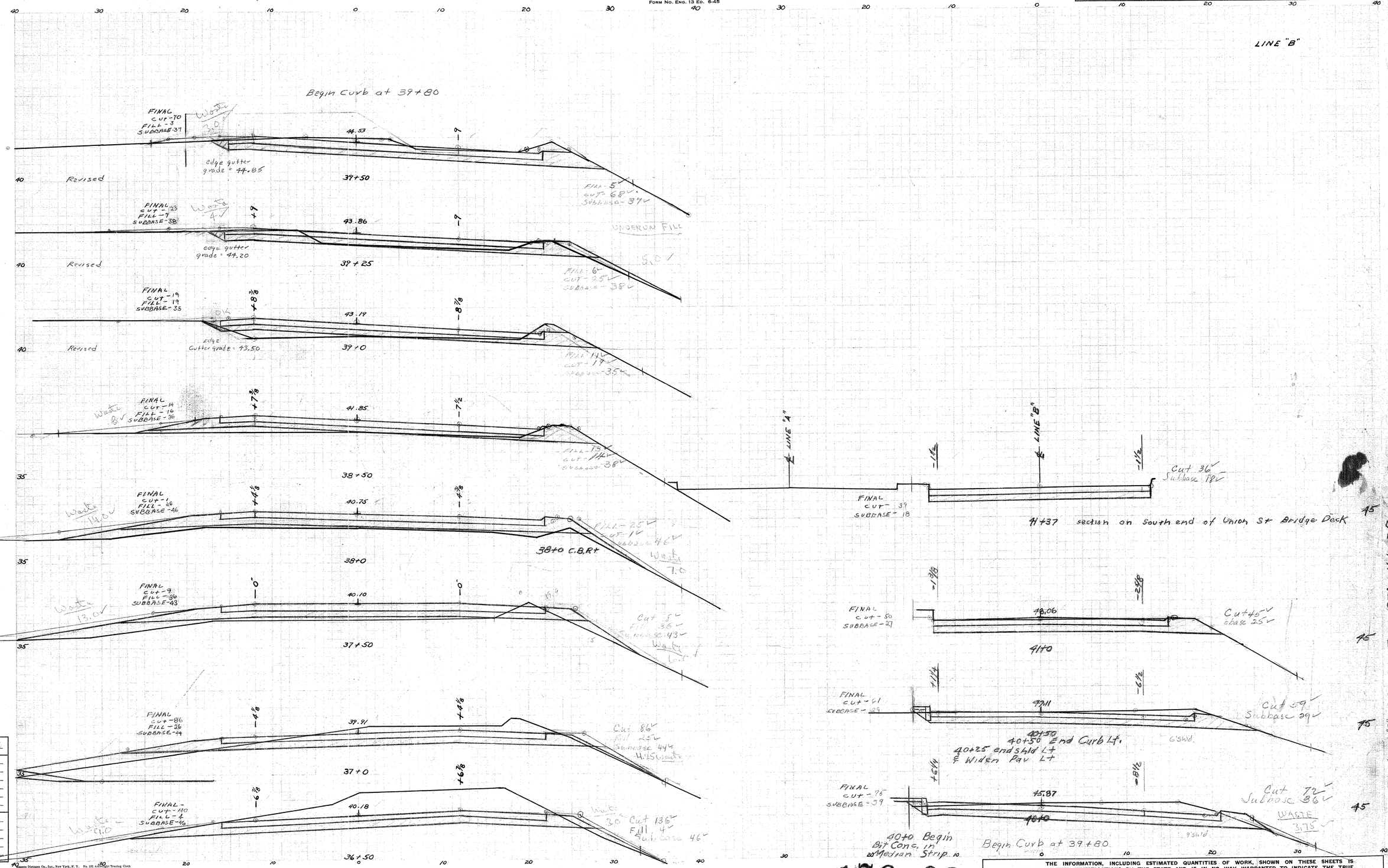
6

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	54		7	



NOTE BOOK NO. 82-90 (6)

Ground Surface Plotted by [illegible]
" " Checked by [illegible]
Template Sections Plotted by [illegible]
" " Checked by [illegible]
Areas by
" Checked by C.H.J.
Final Sections Plotted by
" " Checked by
Final Areas by C.H.J.
" " Checked by
Quantity Transferred and Inked by

Magnus Dietzgen Co., Inc., New York, N. Y. No. 135 Arkwright Trading Cloth

82 90

176 08

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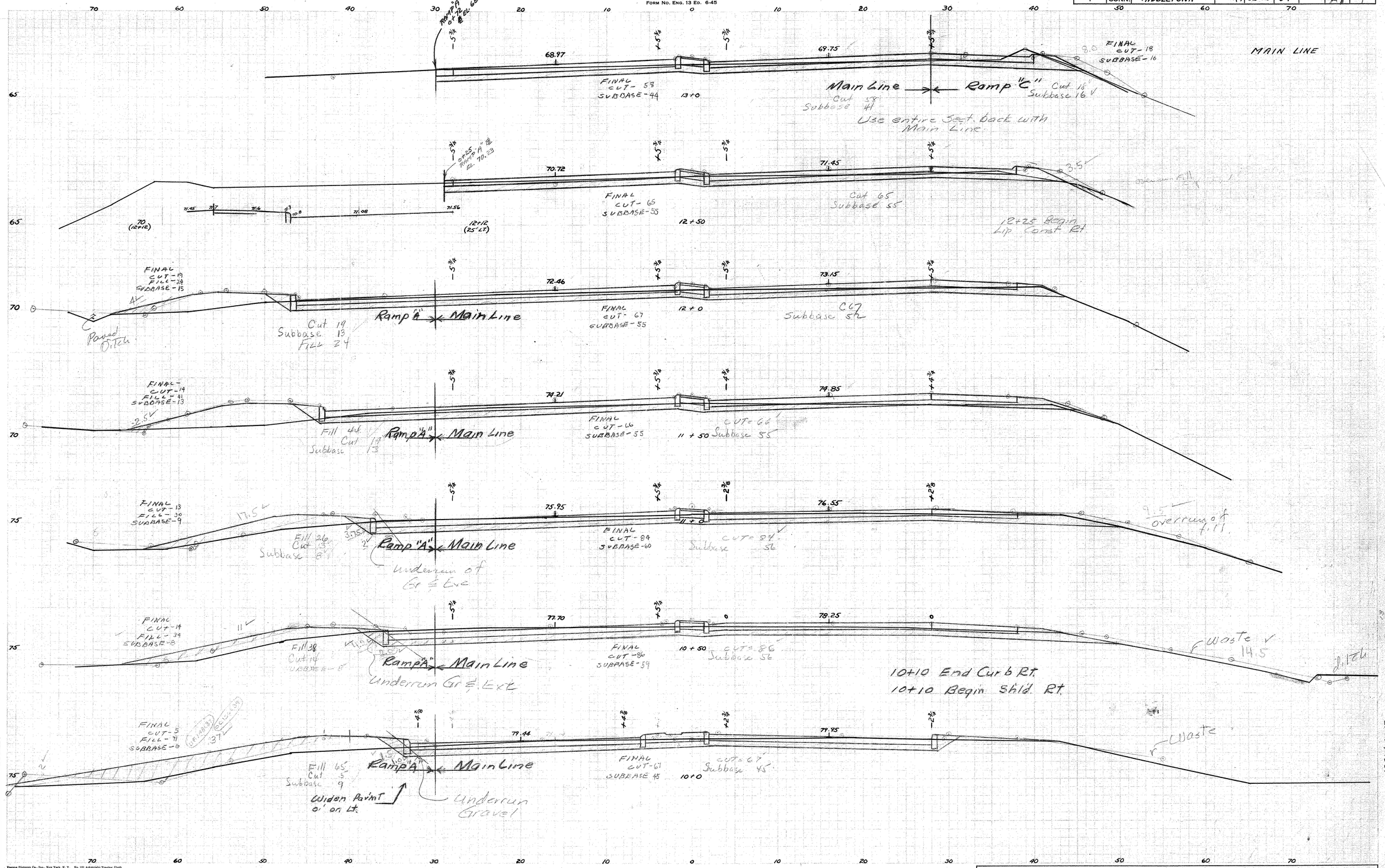
7

CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-149(7)	82-90	54		1	4



NOTE BOOK NO. 82-90-5	
Ground Surface Plotted by	BAK
" " Checked by	P.C.
Template Sections Plotted by	P.C.
" " Checked by	
Areas by	
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	CHS
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N. Y. No. 133 Arkwright Tracing Cloth

82 90

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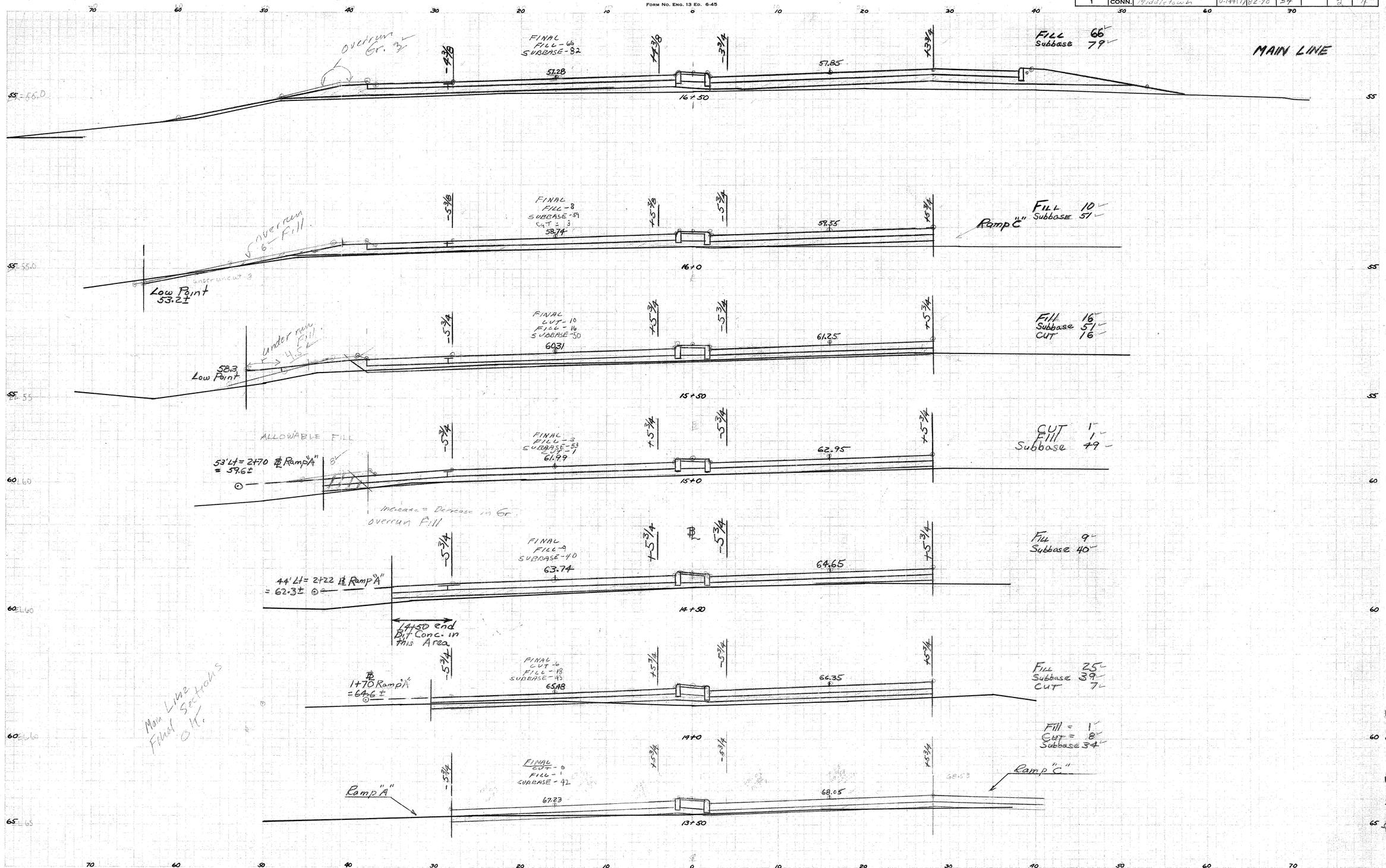
8

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	54		2	4



NOTE BOOK NO. 5

Ground Surface Plotted by BAK
" " Checked by P.C.
Template Sections Plotted by TMP
" " Checked by
Areas by
Checked by
Final Sections Plotted by
" Checked by
Final Areas by CHJ
" Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Arkwright Tracing Cloth

82 90

176 08

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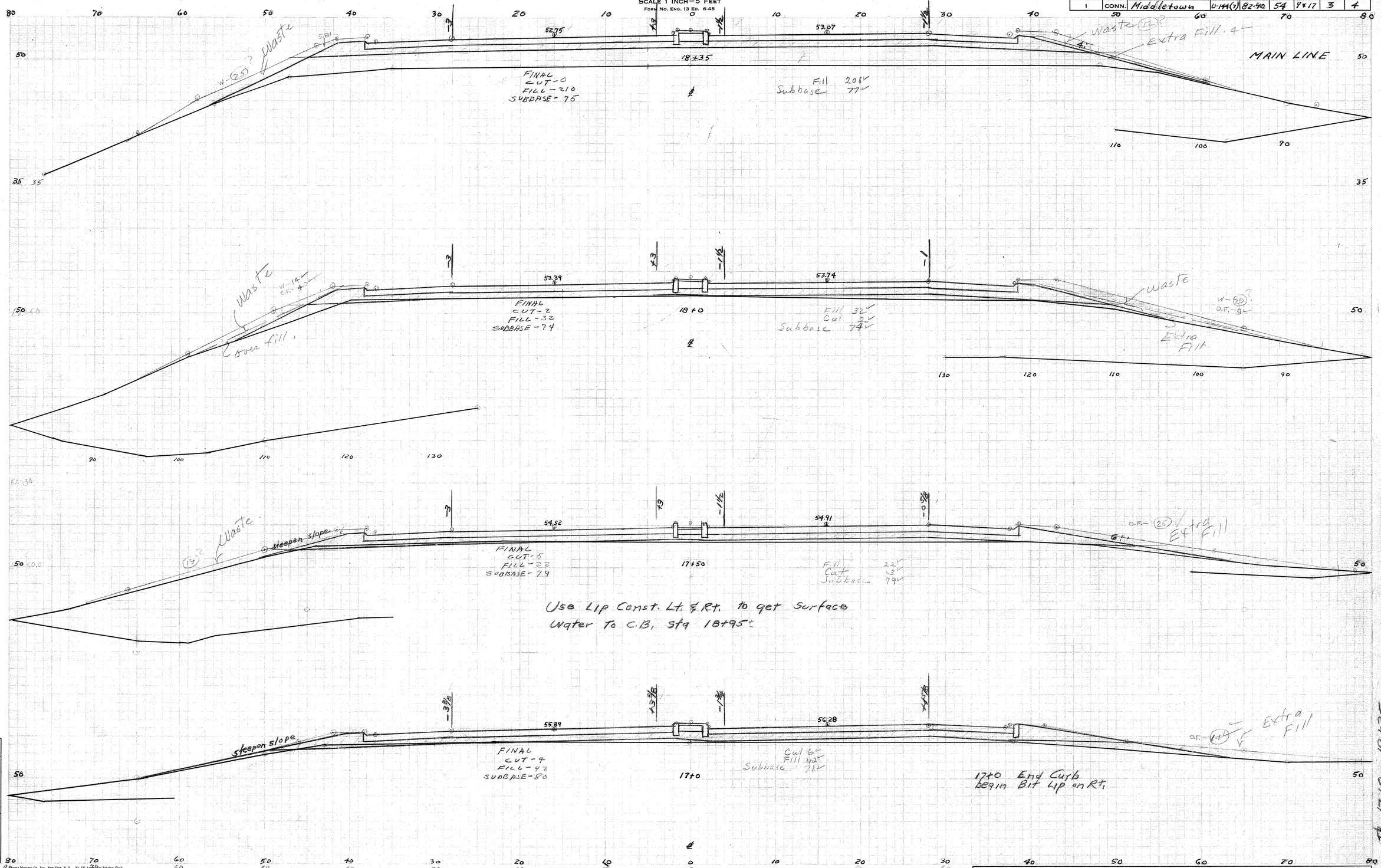
9

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	54	9 & 17	3	4



NOTE BOOK NO. 5

Ground Surface Plotted by J.M.N.
" " Checked by P.C.
Template Sections Plotted by T.M.P.
" " Checked by
Areas by
" Checked by C.H.J.
Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N.Y. No. 131 Arrowright Tracing Cloth

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82 90

176 08

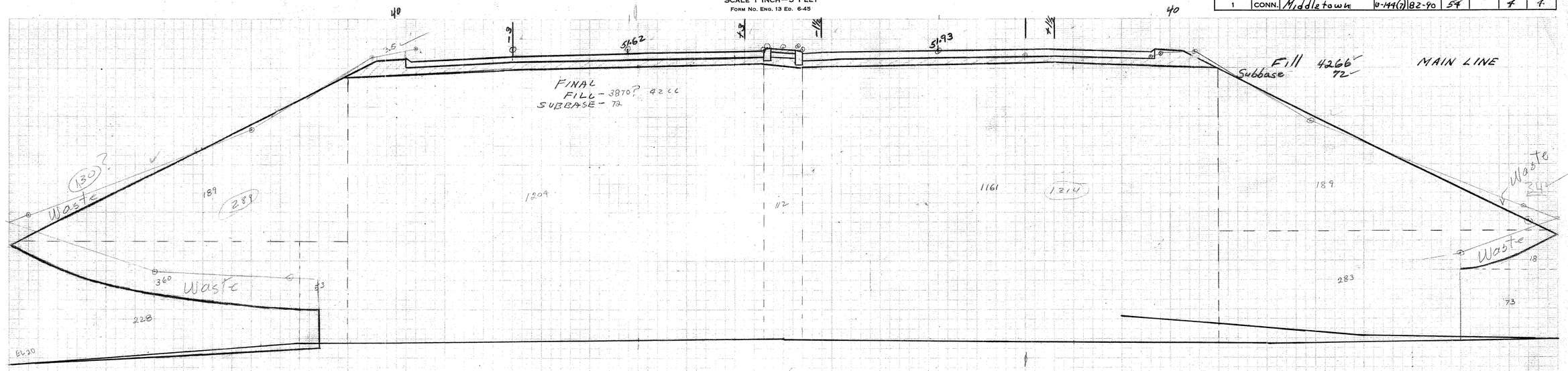
10

CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	0-144(7)	82-90	54		4	4



19+0
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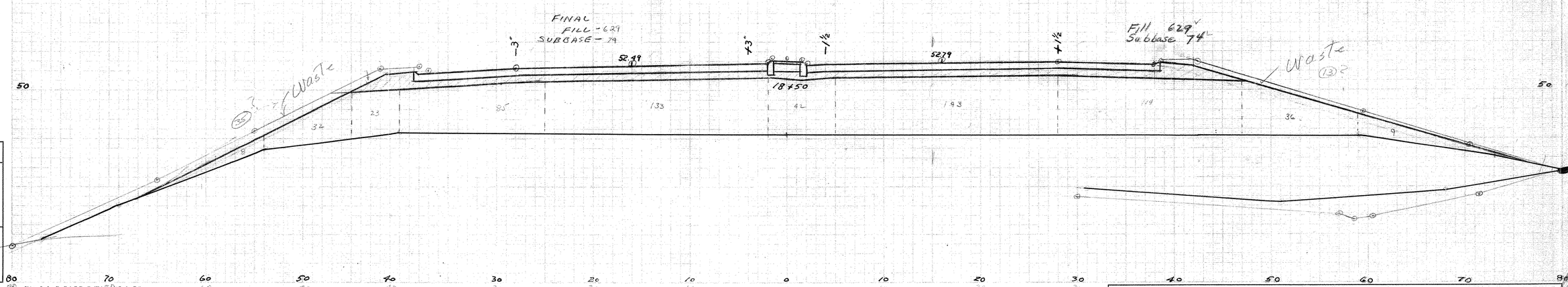
19+05



NOTE BOOK NO. 5	
Ground Surface Plotted by	M-Nash
" " Checked by	R.C.
Template Sections Plotted by	R.C.
" " Checked by	
Areas by	
" Checked by	C.H.J.
Final Sections Plotted by	
" " Checked by	
Final Areas by	C.H.J.
" " Checked by	
Quantity Transferred and Inked by	

Keuffel & Esser Co., Inc., New York, N. Y. No. 151 Air-Weight Tracing Cloth

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CROSS SECTIONS

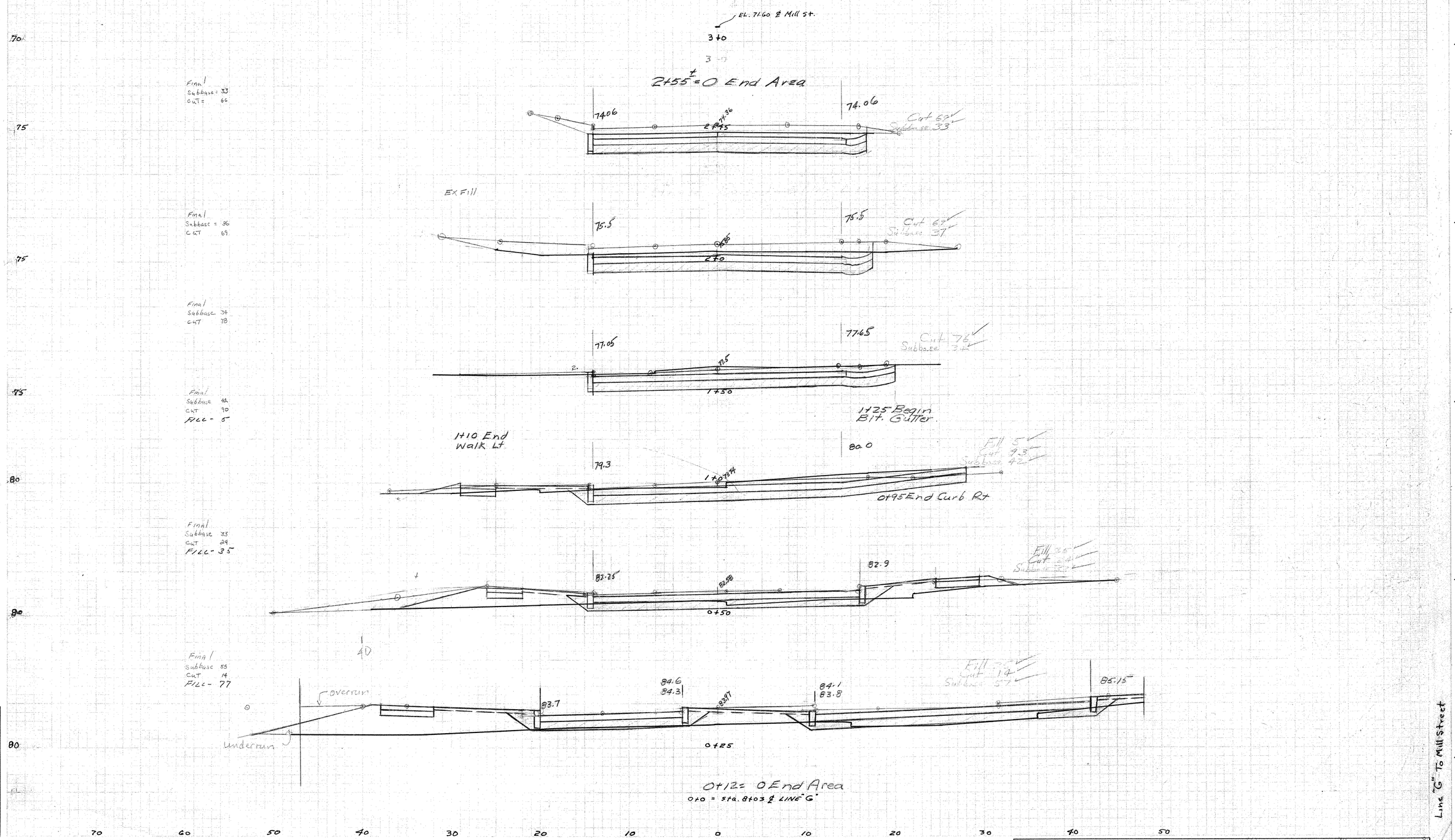
SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	82-90	U-144(7)	1954	9 & 17	1	

Page 39 - BHP

LINE "G" To Mill Street



NOTE BOOK NO. 4

Ground Surface Plotted by E. JACQUET
" " Checked by J. BOK
Template Sections Plotted by TMP
" " Checked by
Areas by
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Airweight Tracing Cloth

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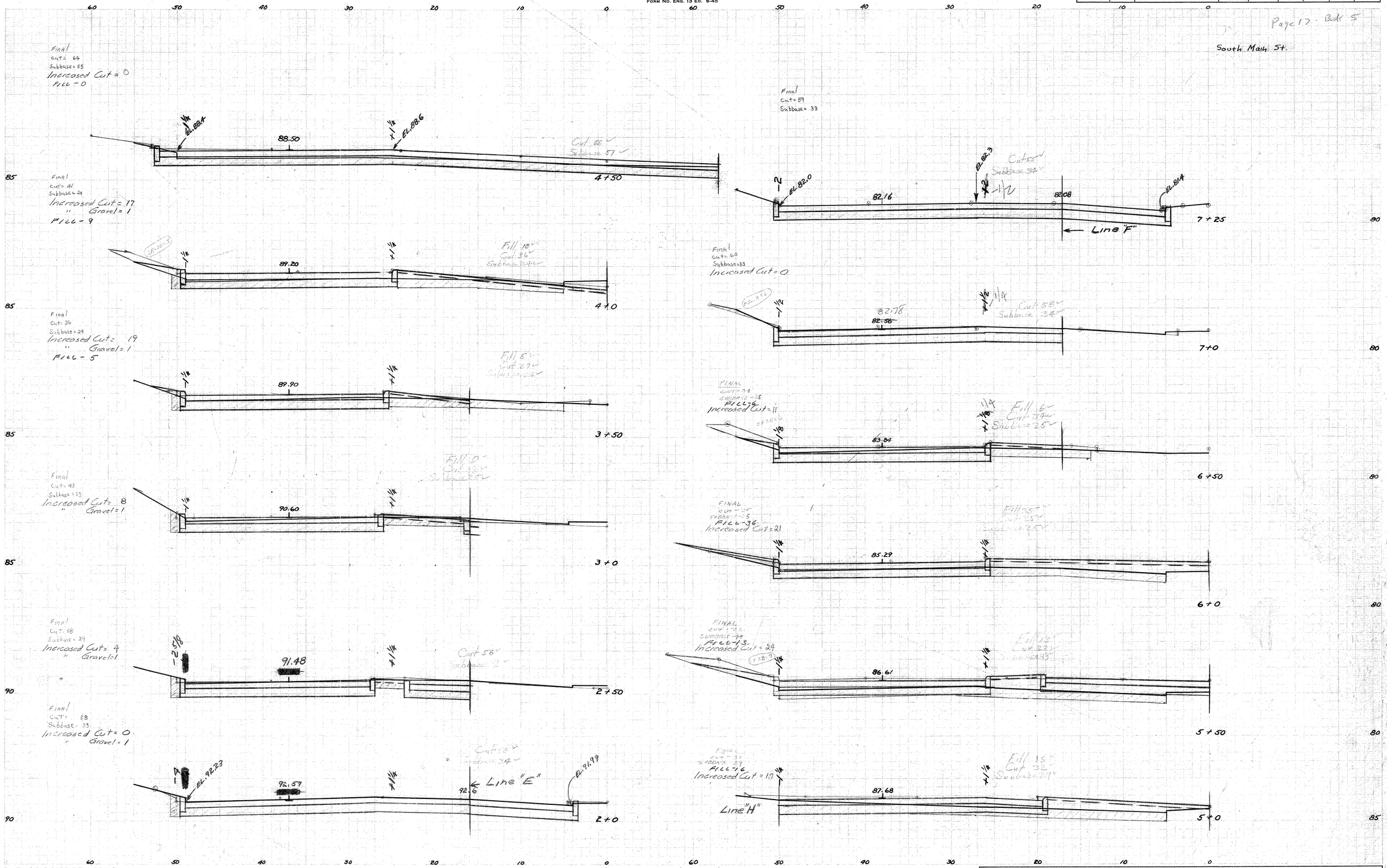
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	54	9+17	1	



OTE BOOK NO. 82-90-5

round Surface Plotted by J. M. Nyle
" " Checked by J. B. K.
emplate Sections Plotted by P. C. & T. P.
" " Checked by
eas by
" Checked by
nal Sections Plotted by
" " Checked by
nal Areas by
" " Checked by
uantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Arkwright Tracing Cloth

82 90

176 08

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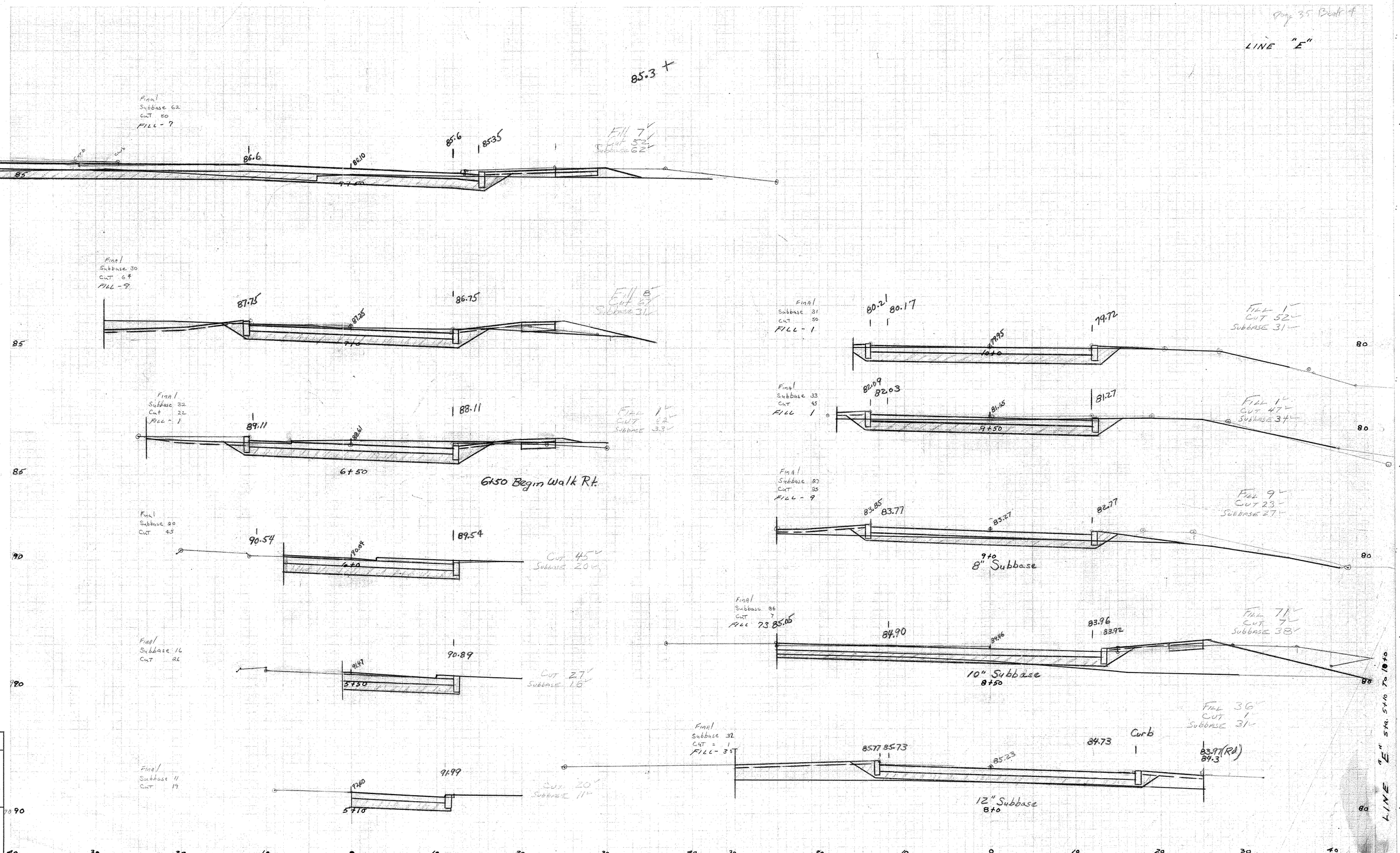
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	1954	9 & 17	1	



NOTE BOOK NO. 4

Ground Surface Plotted by J. Bak
" " Checked by C. Jaeger
Template Sections Plotted by
" " Checked by
Areas by
" Checked by
Final Sections Plotted by
" " Checked by
Final Areas by C H J
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 133 Artwright Trading Cloth

82 90

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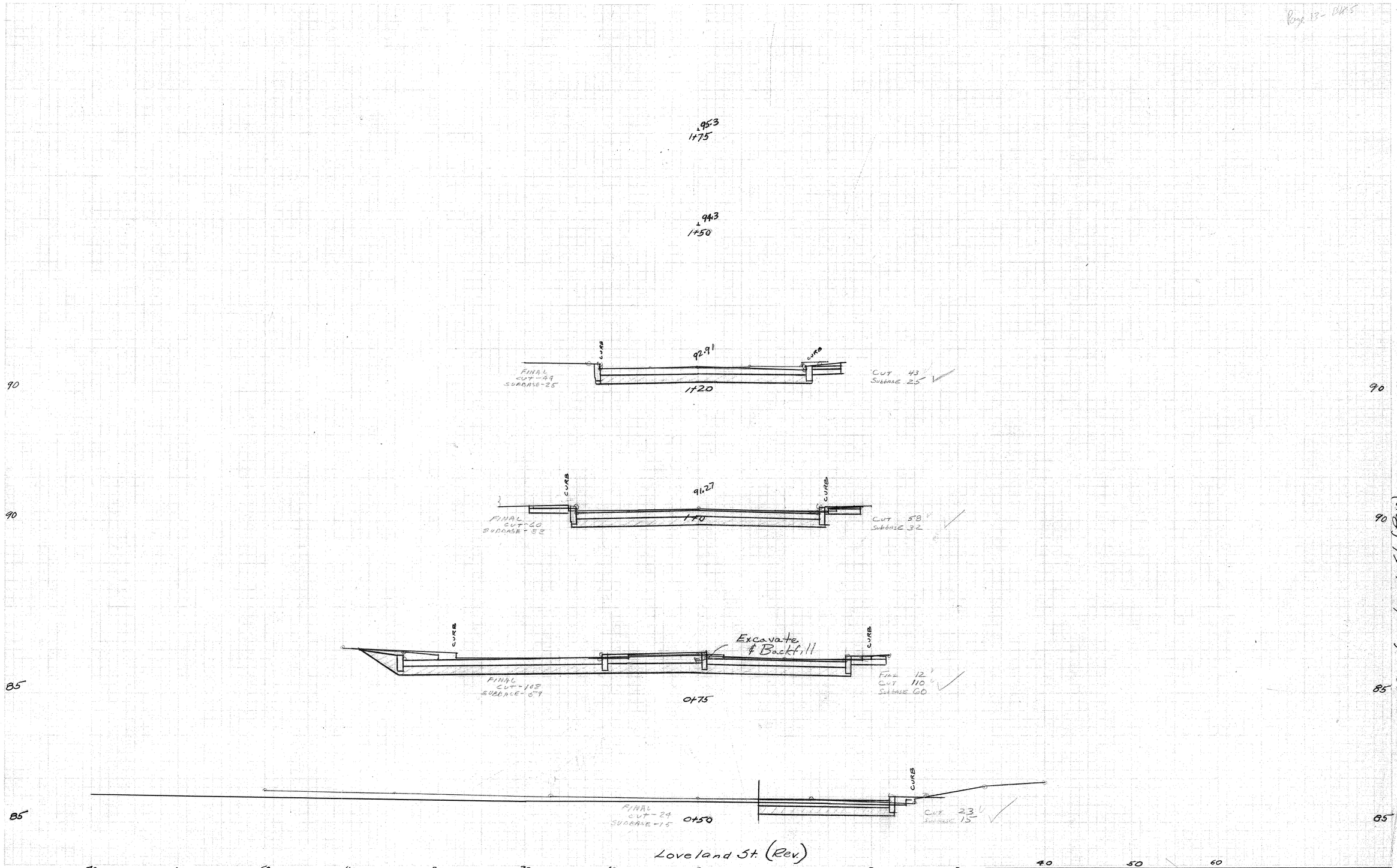
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLE TOWN	U-144(9)	82-90	1954	9+17		

Page 13 - BK 5



NOTE BOOK NO. 82-90 (5)

Ground Surface Plotted by TMP.
" " Checked by
Template Sections Plotted by TMP
" " Checked by
Areas by
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 A Tracing Cloth

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15

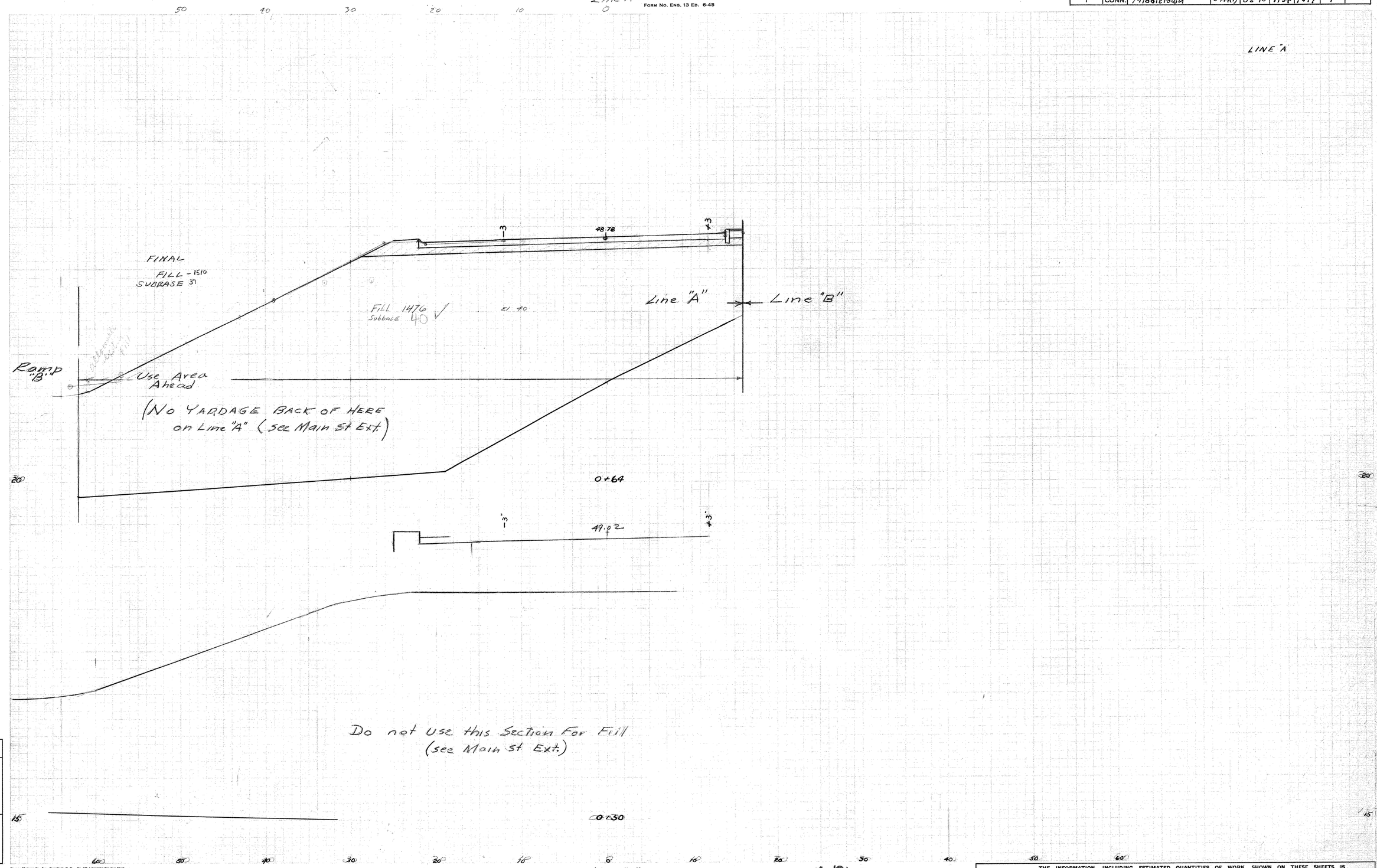
CROSS SECTIONS

Line "A" SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	6-144(1)	82-90	1954	9017	1	

LINE "A"



LINE A STA. 0+50 TO STA 0+64

NOTE BOOK NO. 4

Ground Surface Plotted by T.P.
" " Checked by J.K.W.
Template Sections Plotted by T.P.
" " Checked by P.C.
Areas by
" Checked by
Final Sections Plotted by
" " Checked by
Final Areas by C.H.J.
" " Checked by
Quantity Transferred and Inked by

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82 90

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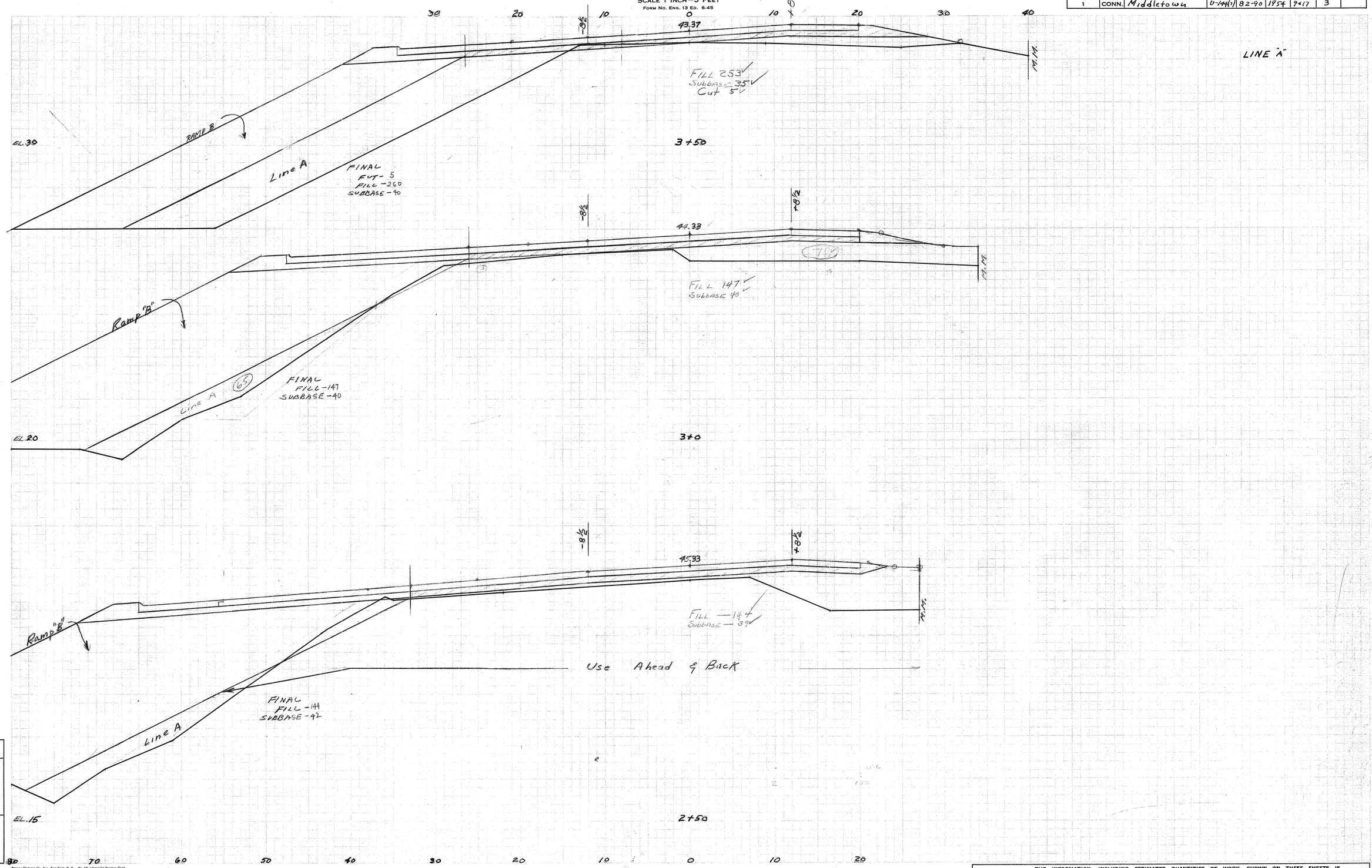
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	1954	9+17	3	



NOTE BOOK NO. 4

round Surface Plotted by P.C.
" " Checked by J.W.H.
emplate Sections Plotted by P.C.
" " Checked by J.W.H.
reas by
" Checked by

inal Sections Plotted by
" " Checked by
inal Areas by C.H.J.
" " Checked by
uantity Transferred and Inked by

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82 90

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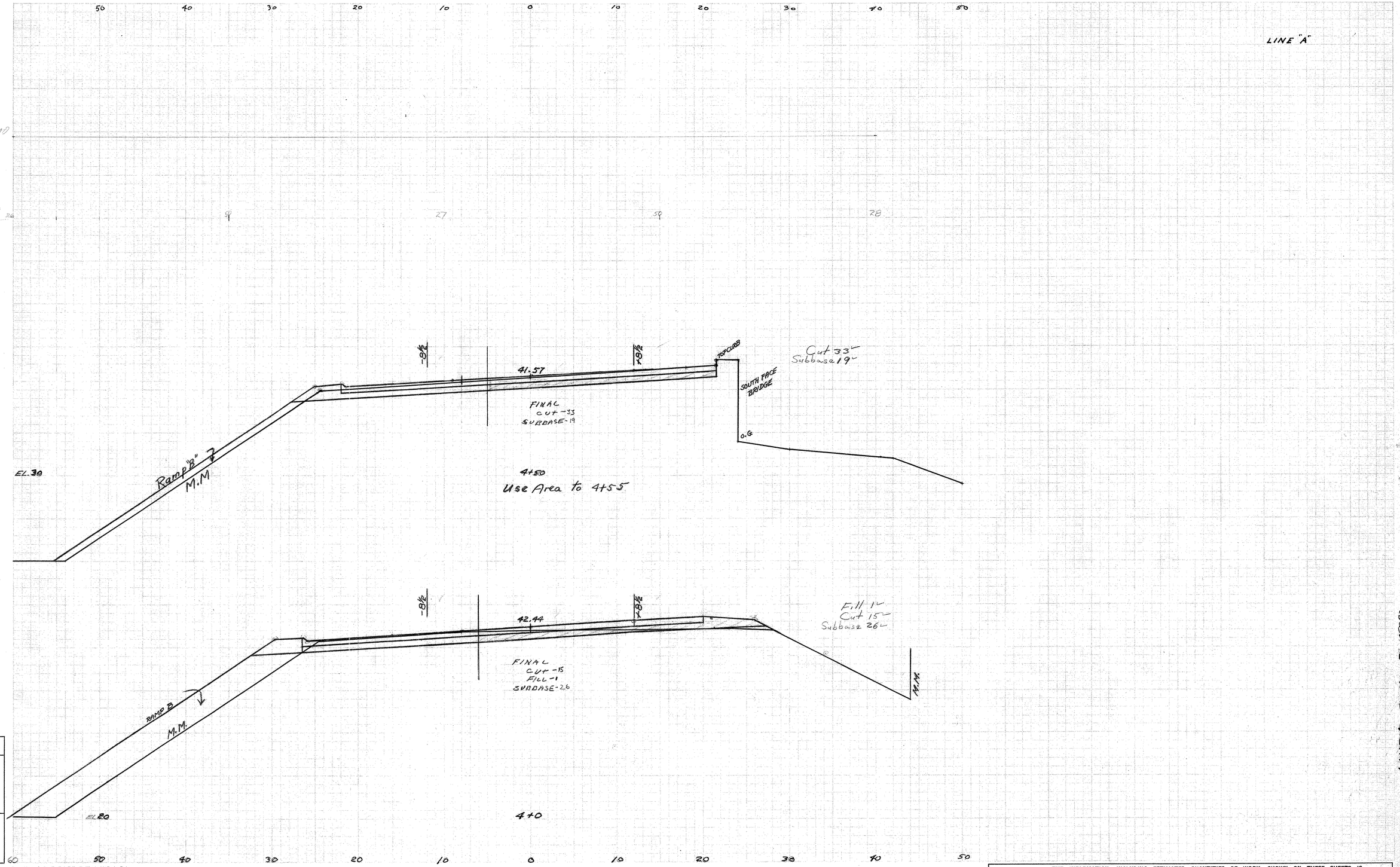
17

CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	1954	9617	4	



OTE BOOK NO. 4

ound Surface Plotted by P.C.
" " Checked by J.M.S.
mplate Sections Plotted by P.C.
" " Checked by J.M.S.
eas by
" Checked by C.H.J.
nal Sections Plotted by
" " Checked by
nal Areas by C.H.J.
" " Checked by
uantity Transferred and Inked by

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18

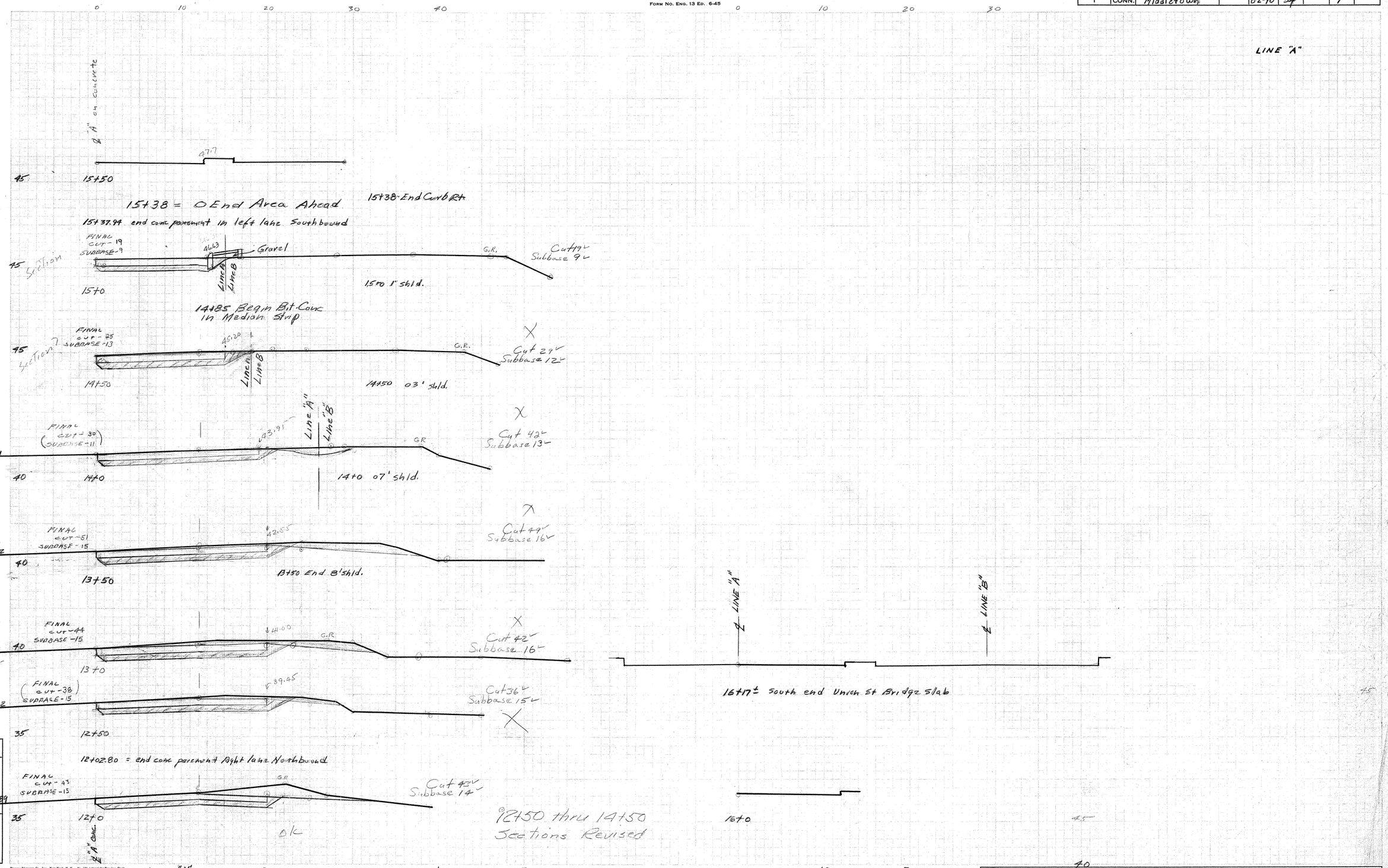
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown		BZ-90	54		1	

LINE "A"



NOTE BOOK NO. 4
Ground Surface Plotted by McNeish
" " Checked by
Template Sections Plotted by TMP
" " Checked by
Areas by
" Checked by C.H.J.
Final Sections Plotted by
" " Checked by
Final Areas by C.H.J.
" " Checked by
Quantity Transferred and Inked by

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Ultralight Tracing Cloth

82 90

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19

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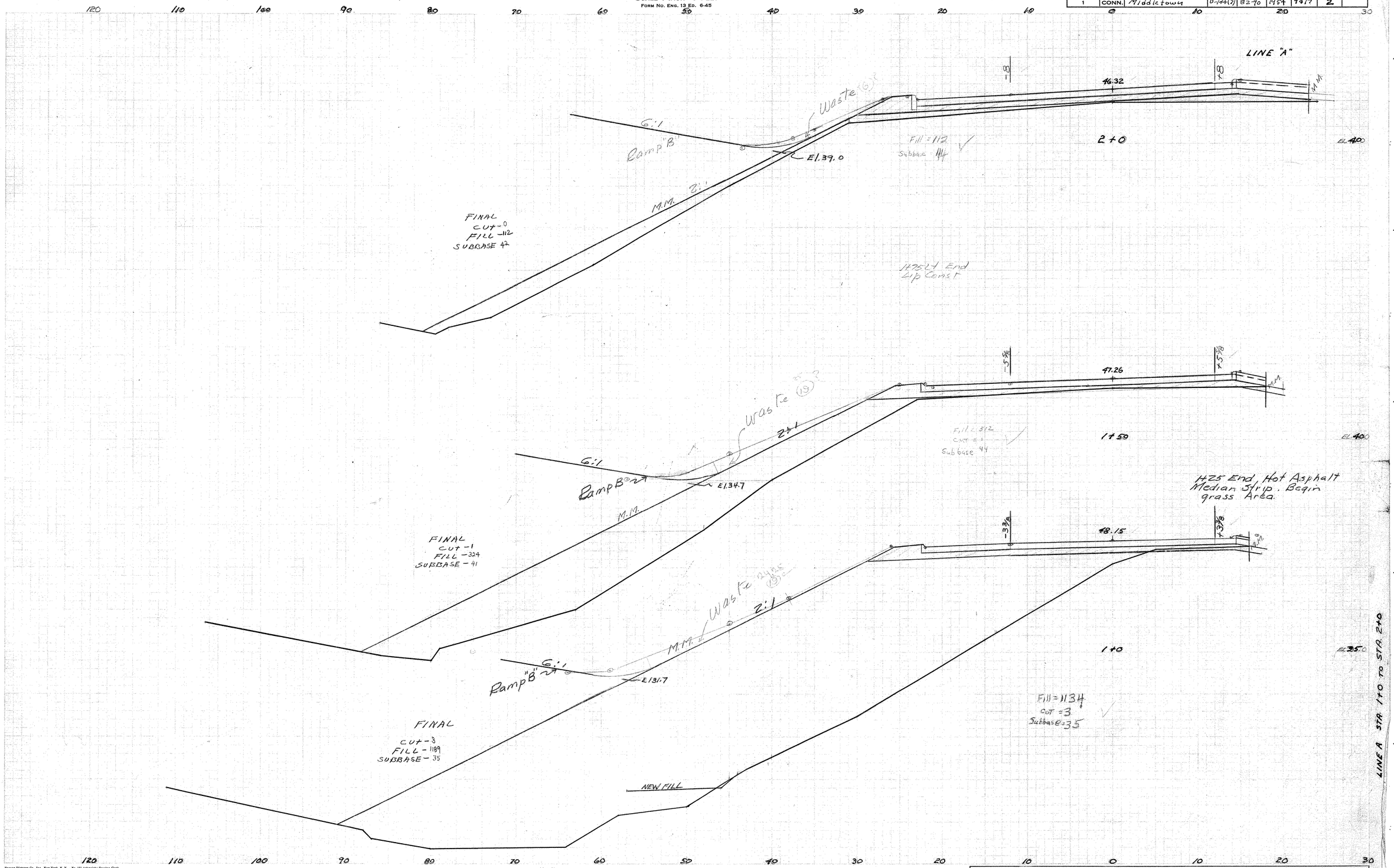
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	1954	9417	2	



NOTE BOOK NO. 4	
Ground Surface Plotted by	FC
" " Checked by	JWH
Template Sections Plotted by	FC
" " Checked by	JWH
Areas by	
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	CHJ
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N. Y. No. 151 Arkwright Tracing Cloth

82 90

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CROSS SECTIONS

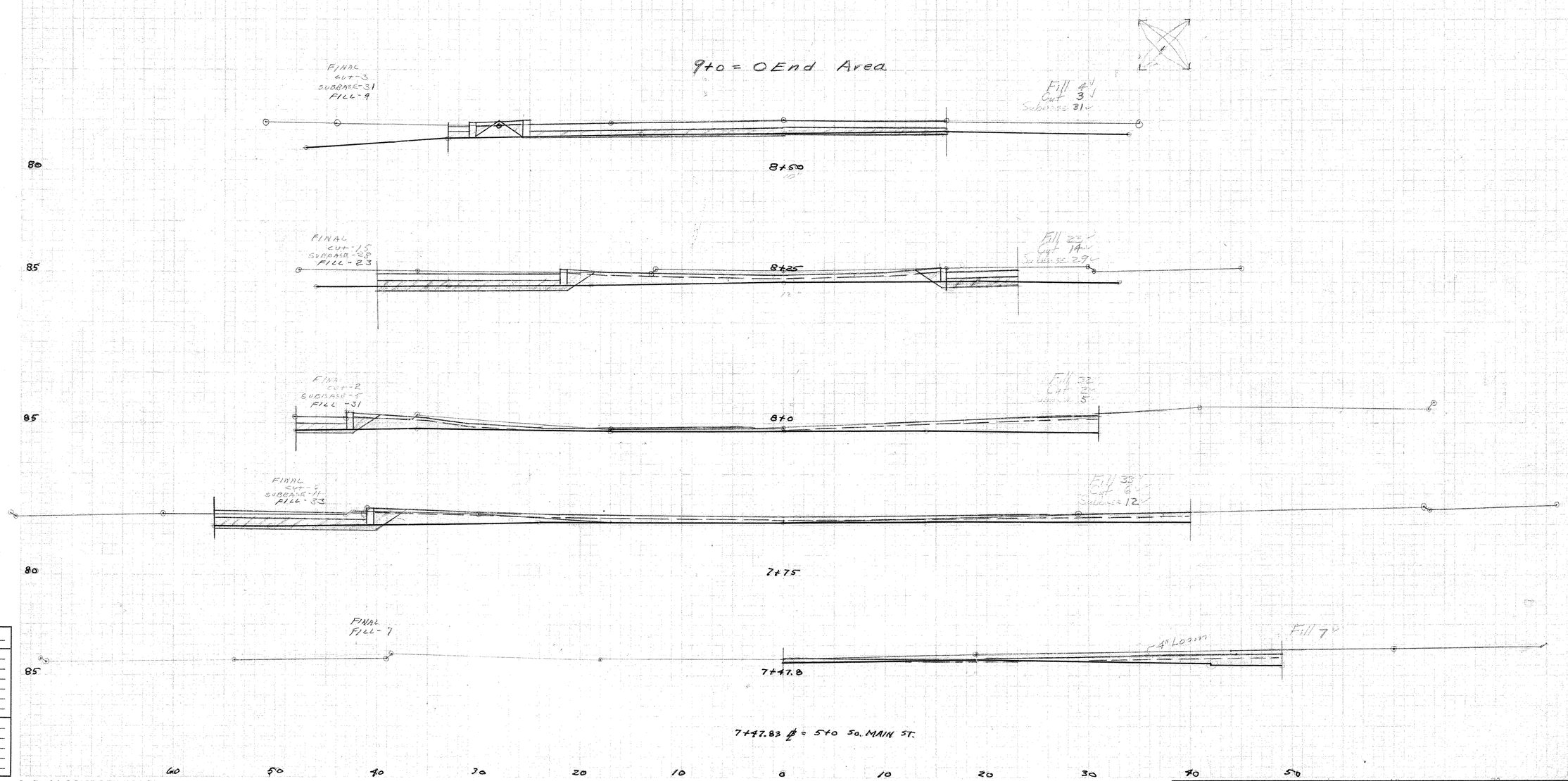
SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	1954	9&12	1	

℄ Sta 7+47.8 to 8+50 ℄

9+0 = 0 End Area



Base Line Sta 7+47.8 to 8+50 ℄

NOTE BOOK NO. 5

Ground Surface Plotted by J. McNeish

" " Checked by

Template Sections Plotted by JMP

" " Checked by

Areas by

" Checked by

Final Sections Plotted by

" " Checked by

Final Areas by

" " Checked by

Quantity Transferred and Inked by

Dupont Diazogen Co., Inc., New York, N. Y. No. 132 Arkwright Tracing Cloth

82 90

176 08

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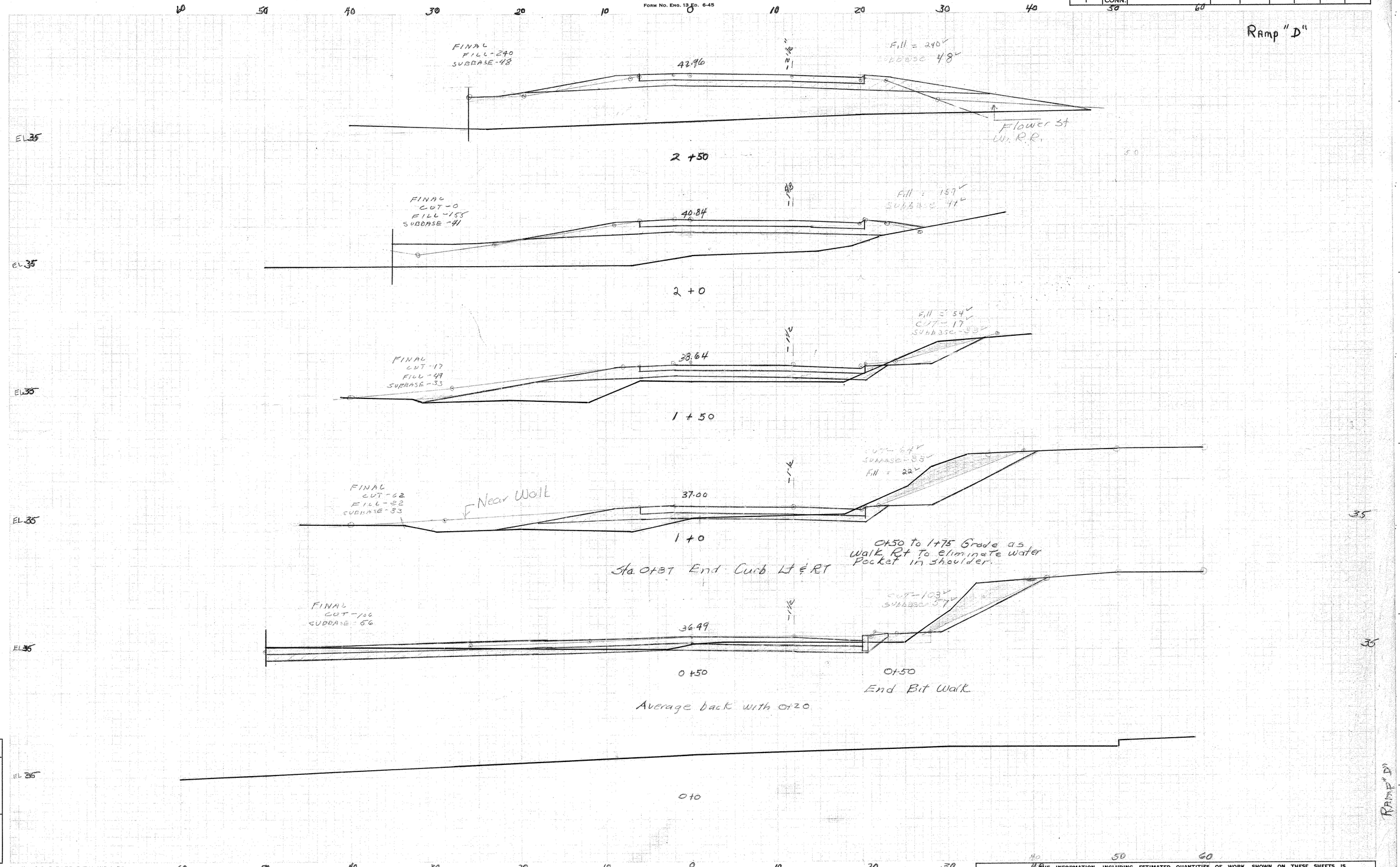
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.							



NOTE BOOK NO. 5

Ground Surface Plotted by C. Jasser
" " Checked by C.H.J.
Template Sections Plotted by T.M.P.
" " Checked by
Areas by
" Checked by C.H.J.
Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

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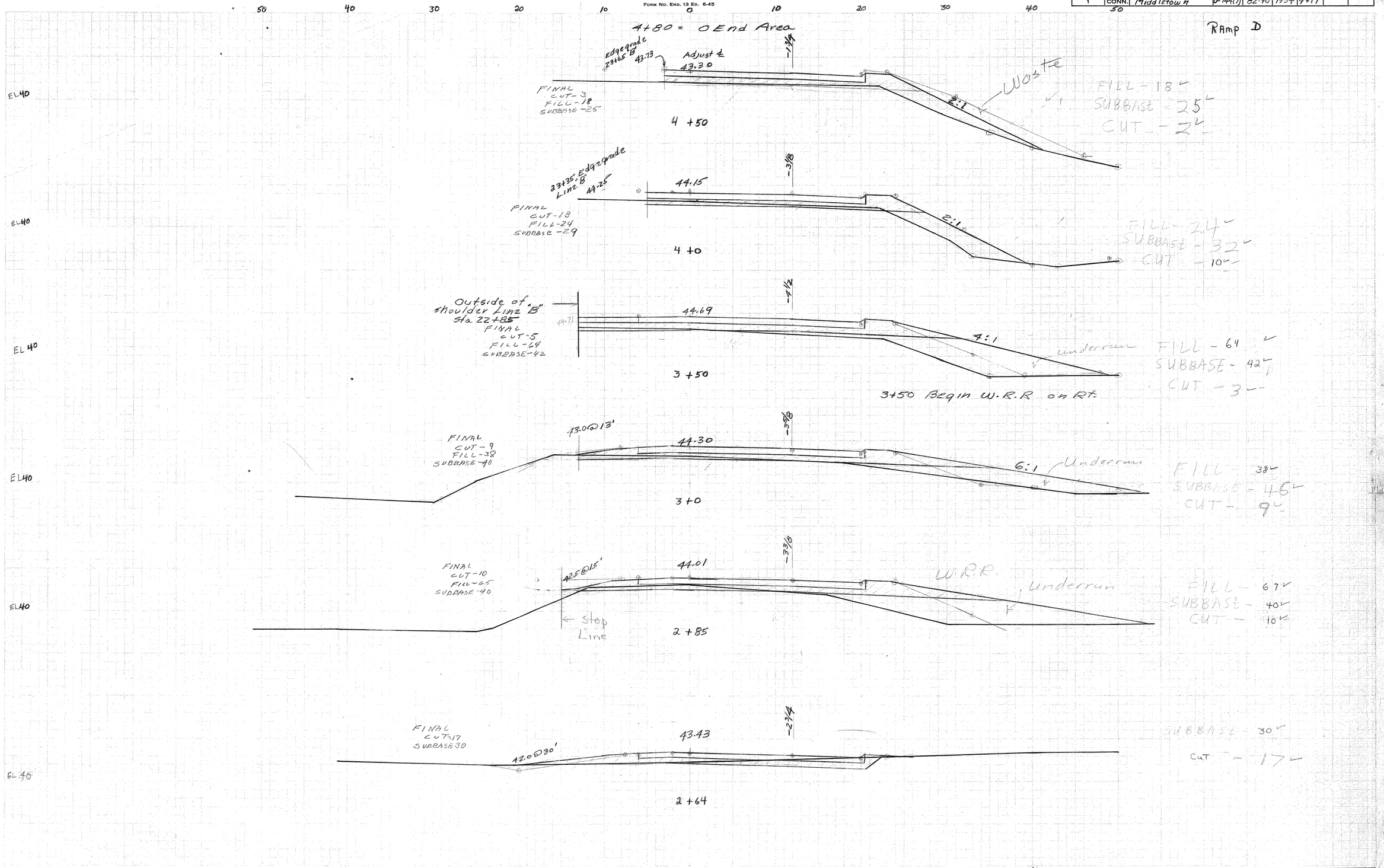
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(1)	82-90	1954	9+17		

Ramp D



NOTE BOOK NO. 3	
Ground Surface Plotted by	C. Jaeger
" " Checked by	C.H.
Template Sections Plotted by	TMP
" " Checked by	
Areas by	
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N.Y. No. 132 Airweight Tracing Cloth

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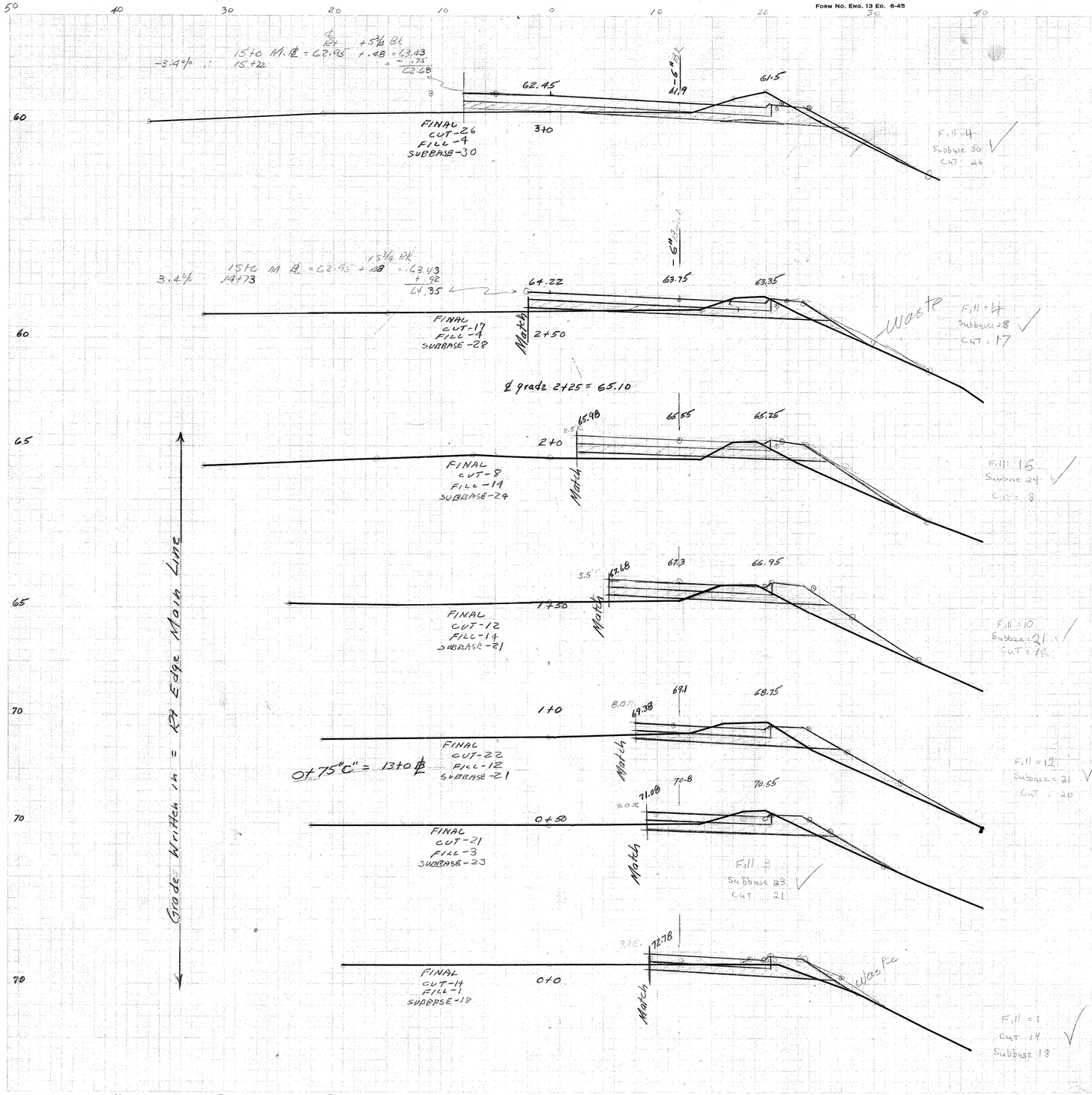
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown		82-90	54		1	3

RAMP "C"



Waste Gr. Borrow

RAMP "C" 0+0 to 3+0

NOTE BOOK NO. 4

Ground Surface Plotted by J. McNeale
" " Checked by P.C.
Template Sections Plotted by T.M.D.
" " Checked by P.C.
Areas by JMP
" Checked by
Final Sections Plotted by
" " Checked by
Final Areas by CHJ
" " Checked by
Quantity Transferred and Inked by

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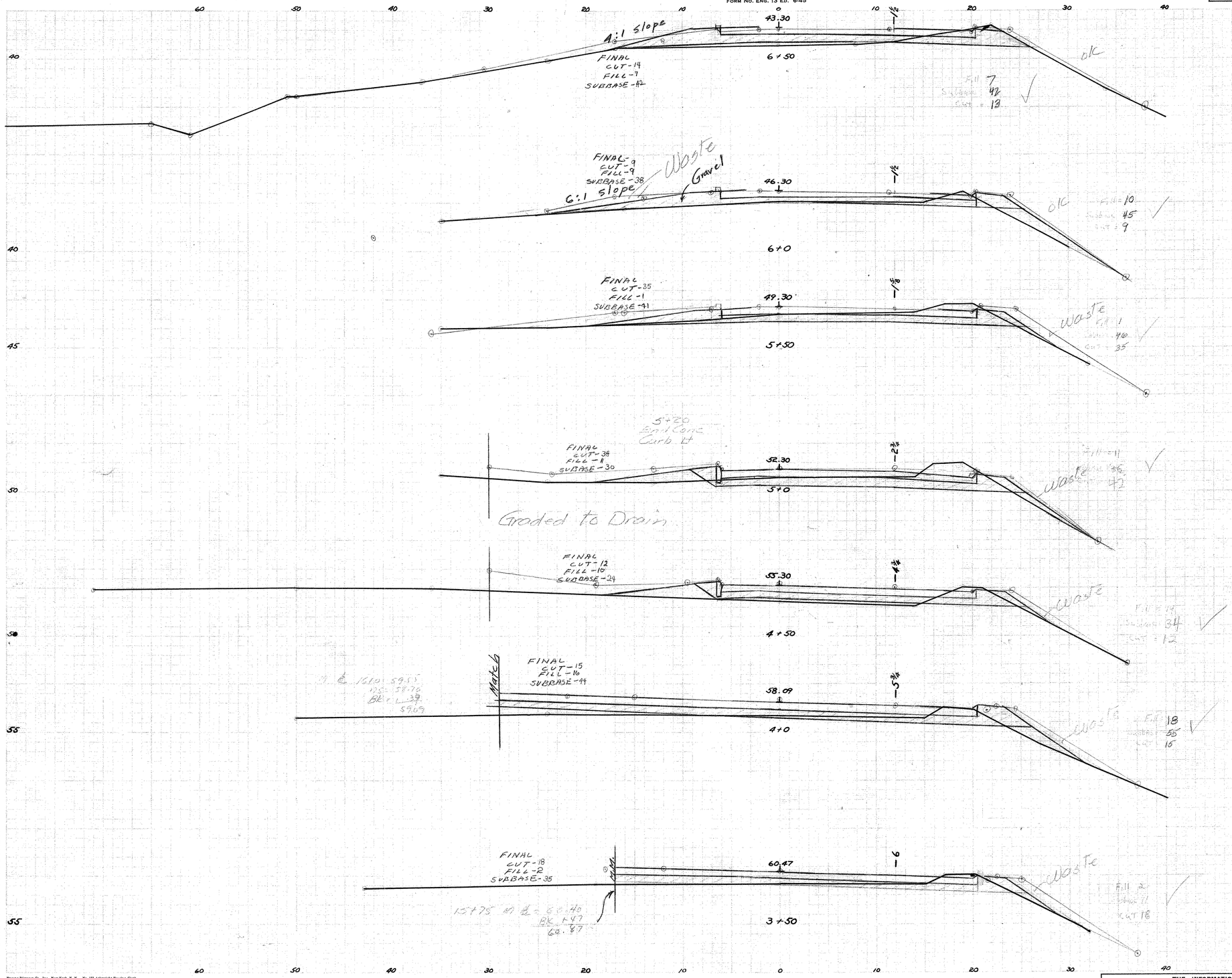
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(7)	82-90	54		2	3

RAMP "C"



RAMP "C" 3+50 - 6+50

NOTE BOOK NO. 82-90-(4)	
Ground Surface Plotted by	J.M.S.N.
" " Checked by	R.C.
Template Sections Plotted by	T.M.P.
" " Checked by	R.C.
Areas by	J.M.P.
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	C.W.J.
" " Checked by	
Quantity Transferred and Inked by	

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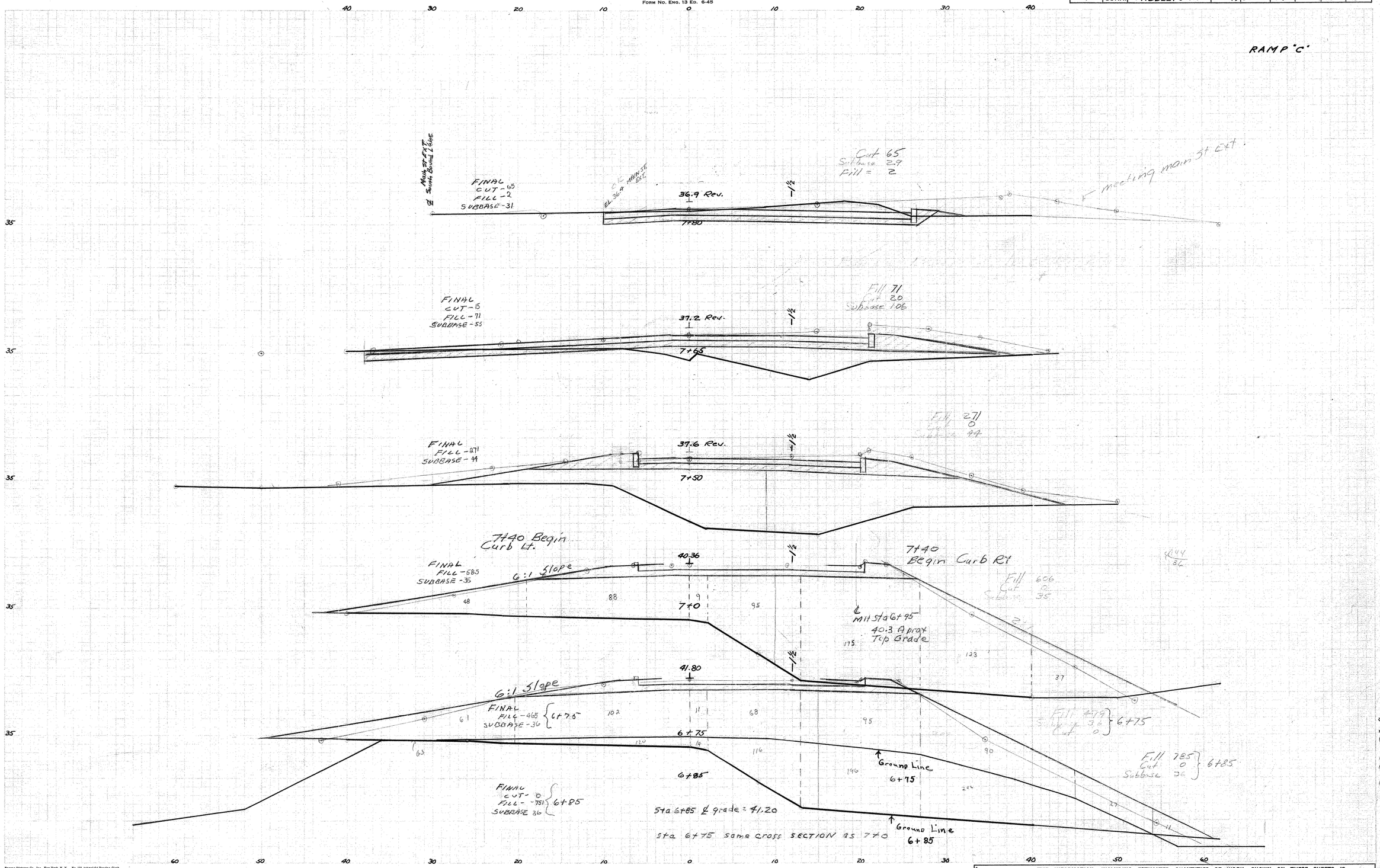
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN	U-144(9)	82-90	54		3	3

RAMP "C"



NOTE BOOK NO. 82-90-(4)	
Ground Surface Plotted by	J.N.H.
" " Checked by	R.C.
Template Sections Plotted by	T.M.D.
" " Checked by	R.C.
Areas by	
" Checked by	
Final Sections Plotted by	
" " Checked by	
Final Areas by	C.H.J.
" " Checked by	
Quantity Transferred and Inked by	

Eugene Dietzgen Co., Inc., New York, N. Y. No. 131 Arkwright Tracing Cloth

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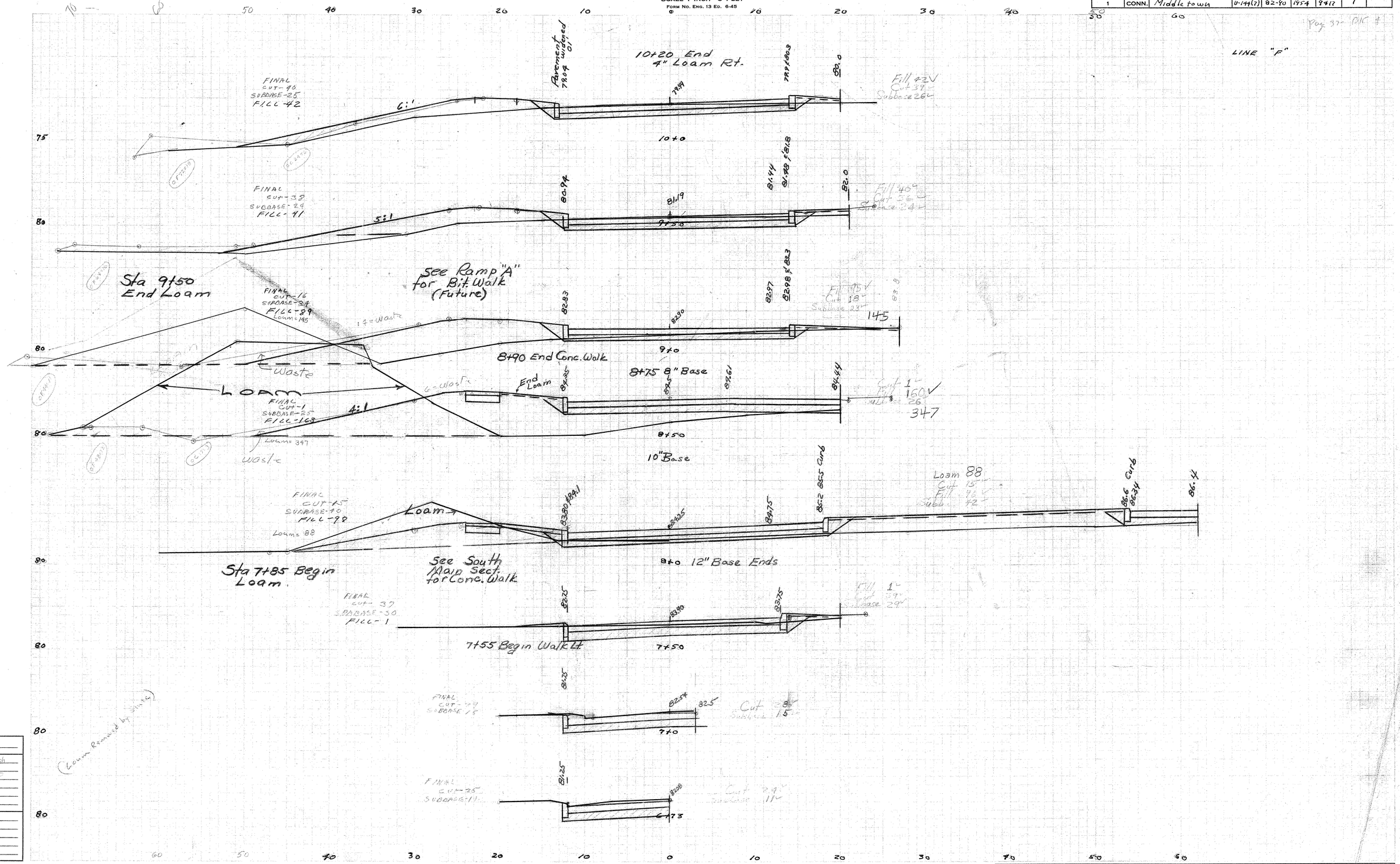
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-80	1954	9412	1	



NOTE BOOK NO. 4	
Ground Surface Plotted by	J.M.N.
" " Checked by	C.H.J.
Template Sections Plotted by	J.M.N.
" " Checked by	
Areas by	
" Checked by	C.H.J.
Final Sections Plotted by	
" " Checked by	
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

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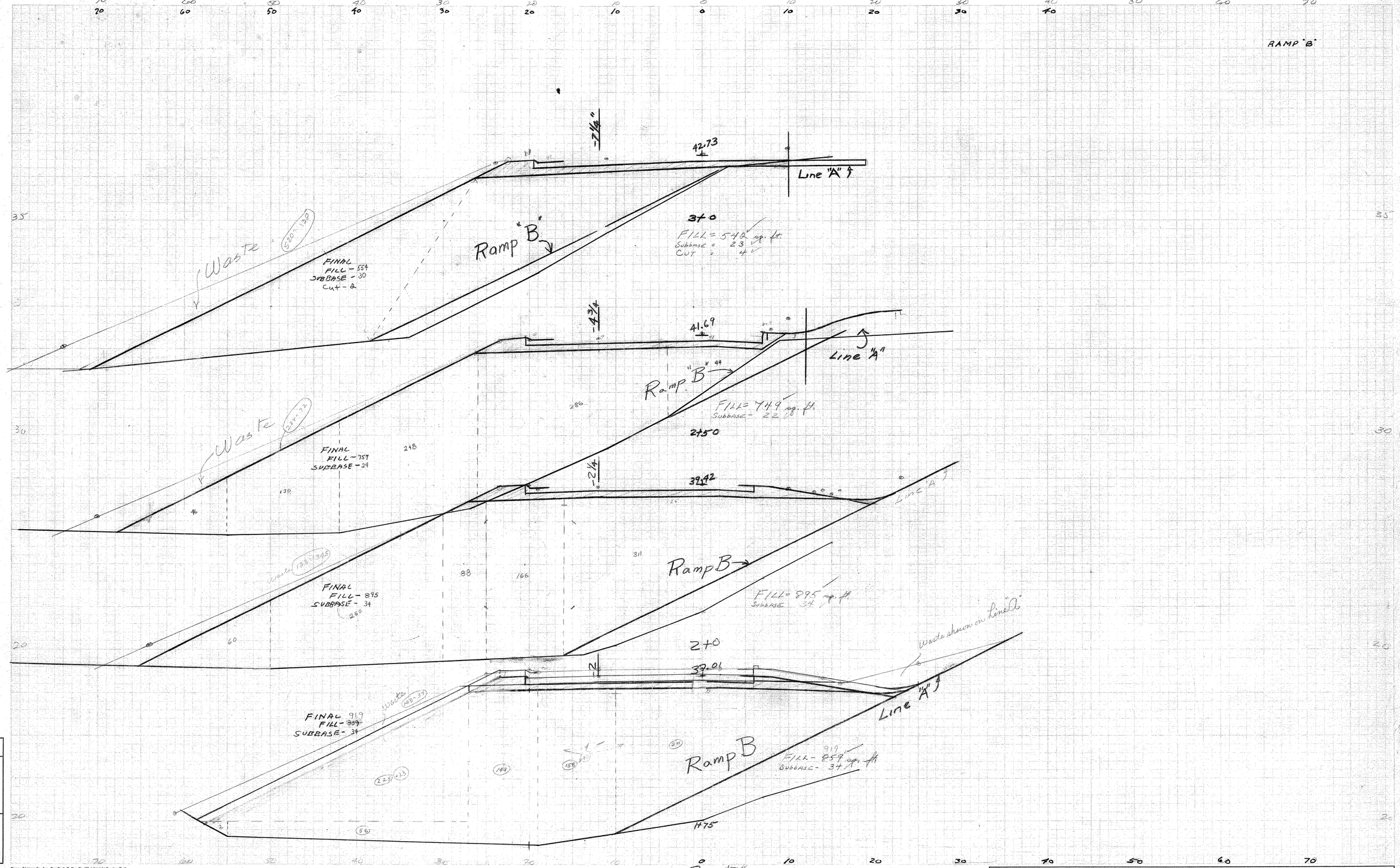
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	1954	9 & 17	2	



NOTE BOOK NO. 82-90 #1

Ground Surface Plotted by
" " Checked by
Template Sections Plotted by R.C.
" " Checked by J.M.K.
Areas by J.M.P.
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by C.H.J.
" " Checked by
Quantity Transferred and Inked by

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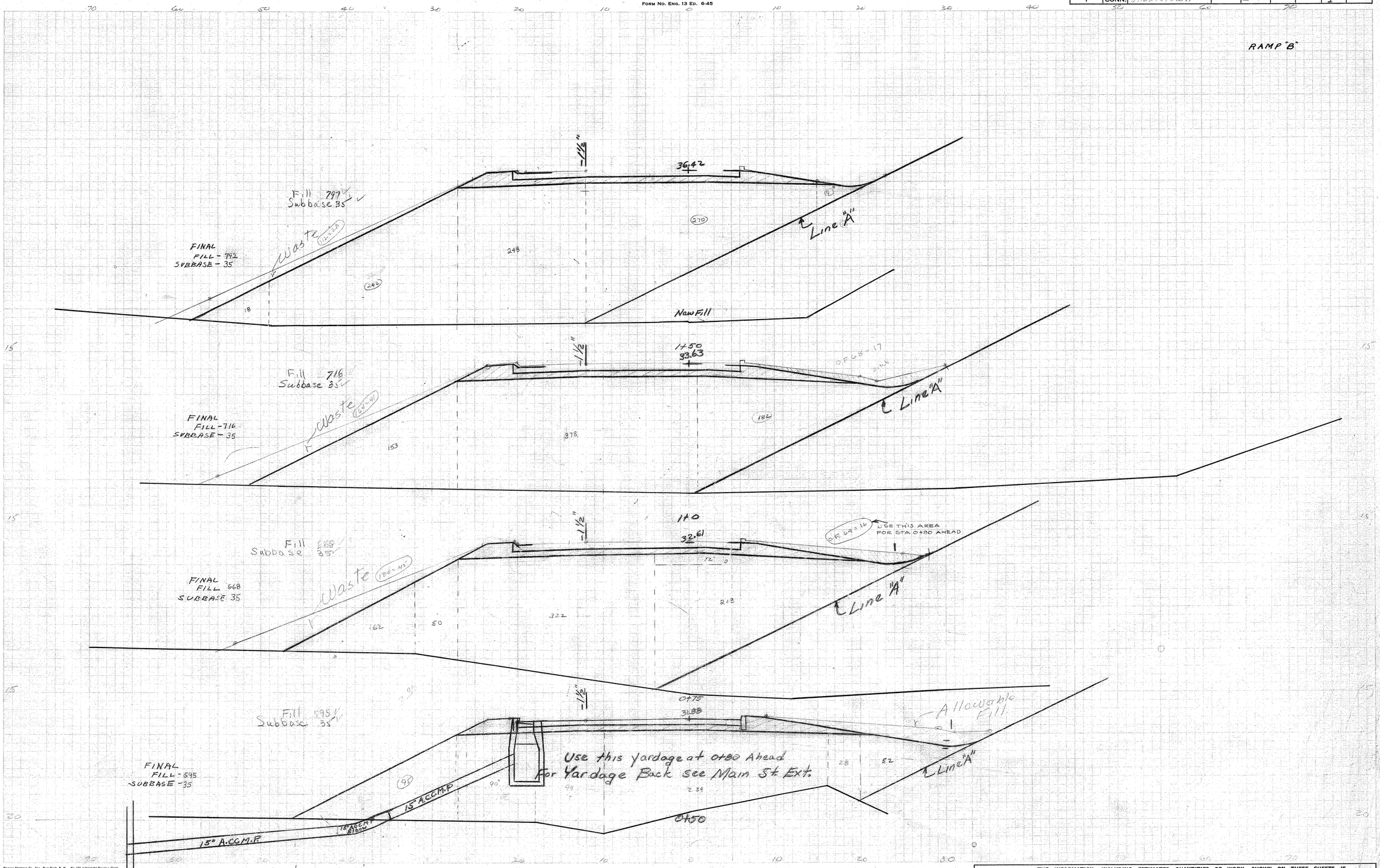
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown		82-90			1	



OTE BOOK NO. 82-90

ound Surface Plotted by JMP
" " Checked by
mplate Sections Plotted by RC
" " Checked by JMN
eas by JMD
" Checked by CHJ

nal Sections Plotted by
" " Checked by
nal Areas by CHJ
" " Checked by
antity Transferred and Inked by

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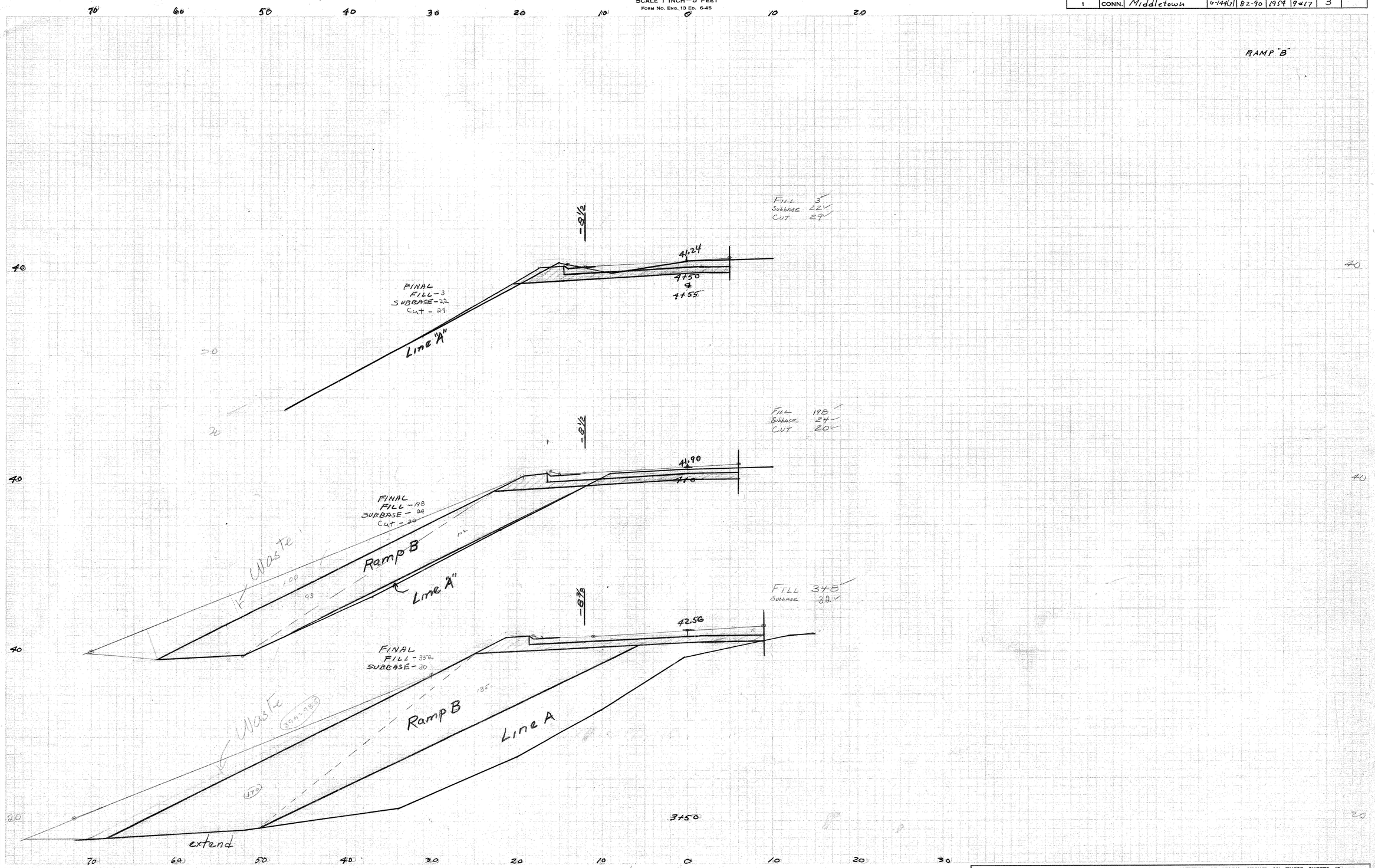
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middletown	U-144(7)	82-90	1959	9 & 17	3	

RAMP "B"



NOTE BOOK NO.

Ground Surface Plotted by
" " Checked by
Template Sections Plotted by P.C.
" " Checked by J.M.N. J.M.P.
Areas by
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

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30

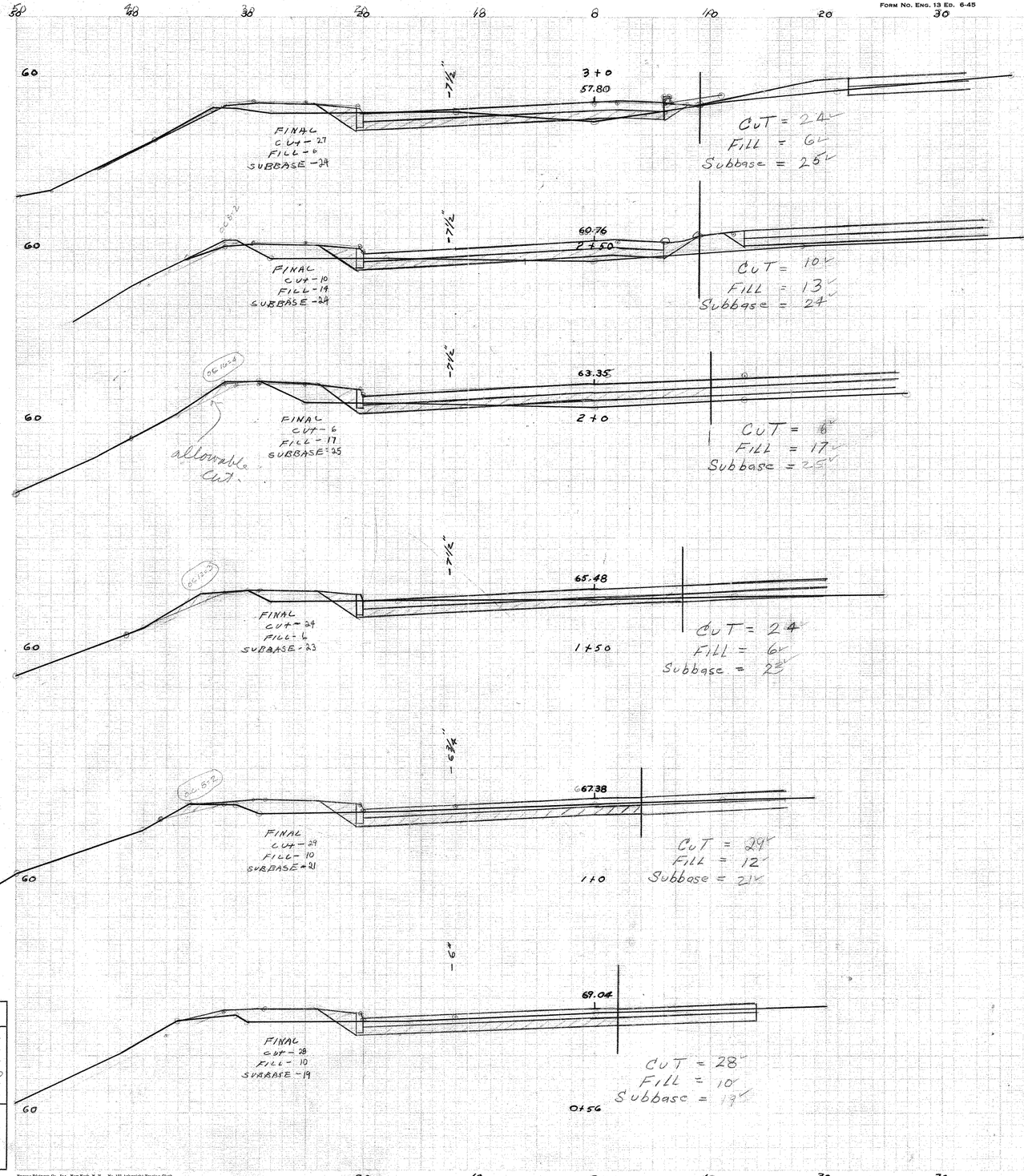
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN		82-90	54		1	

RAMP "A"



NOTE BOOK NO. 4

Ground Surface Plotted by J. McNeish
" " Checked by P.C.
Template Sections Plotted by P.C.
" " Checked by J. McN
Areas by J.M.P.
" Checked by
Final Sections Plotted by
" " Checked by
Final Areas by C.H.J.
" " Checked by
Quantity Transferred and Inked by

RAMP "A" 0+56 - 3+0

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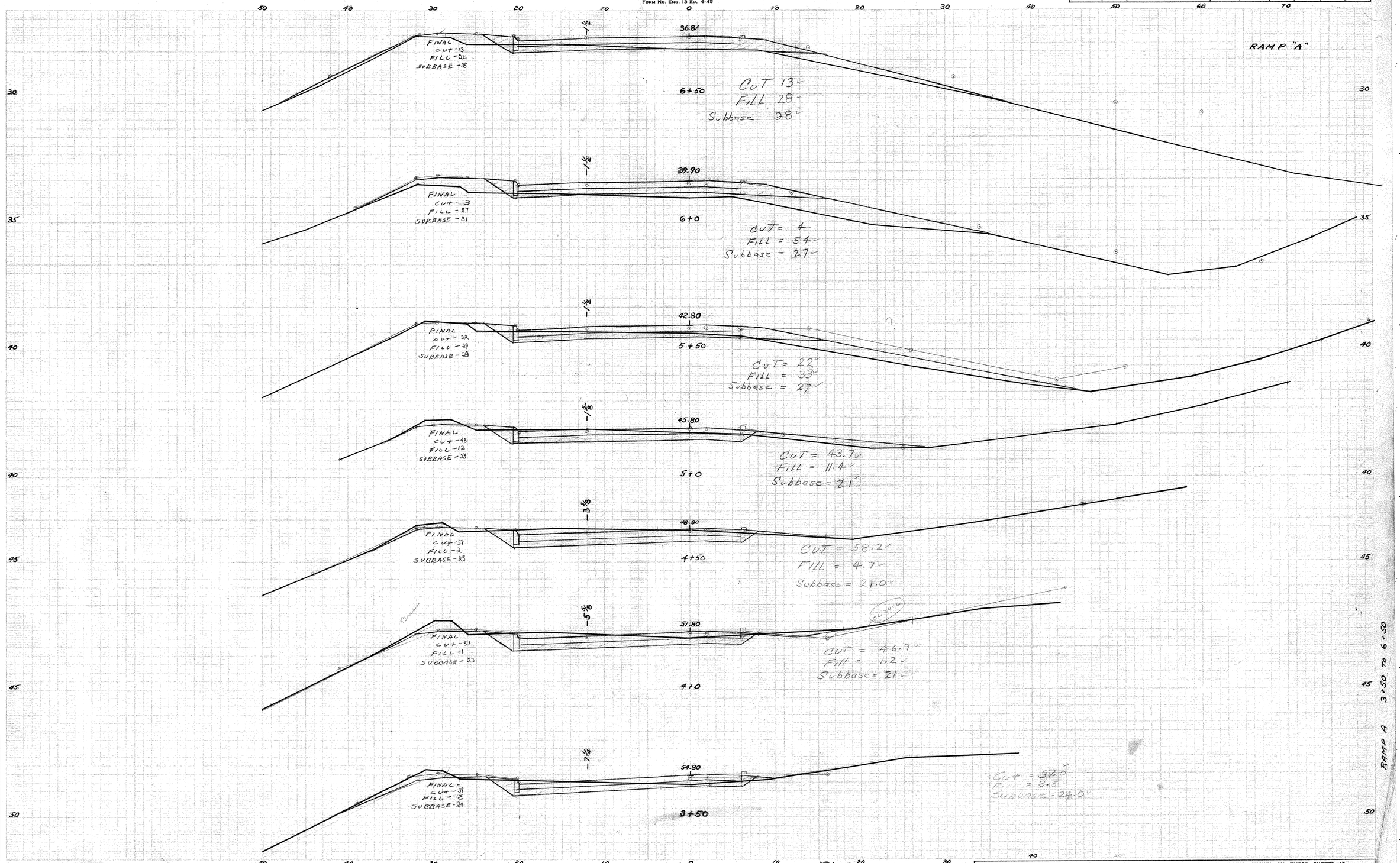
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN		82-90	54			



OTE BOOK NO. 4

ound Surface Plotted by P.C.
" " Checked by J.McN.
mplate Sections Plotted by
" " Checked by JMP
eas by
" Checked by

nal Sections Plotted by
" " Checked by
nal Areas by C.H.J.
" " Checked by
uantity Transferred and Inked by

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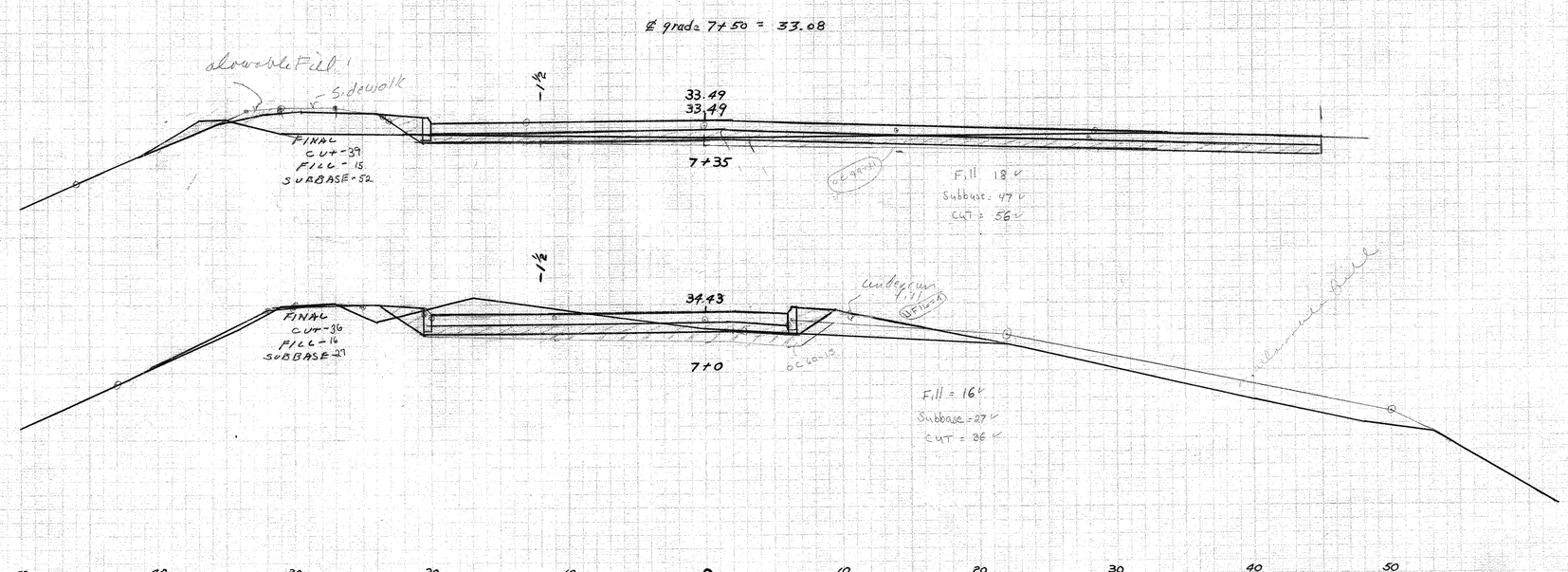
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	MIDDLETOWN		82-90	54		3	3

RAMP "A"



RAMP A 7+0 TO 7+35

NOTE BOOK NO. 4

Ground Surface Plotted by P.C.
" " Checked by J.M.N
Template Sections Plotted by
" " Checked by
Areas by J.M.N
" Checked by

Final Sections Plotted by
" " Checked by
Final Areas by C.H.J
" " Checked by
Quantity Transferred and Inked by

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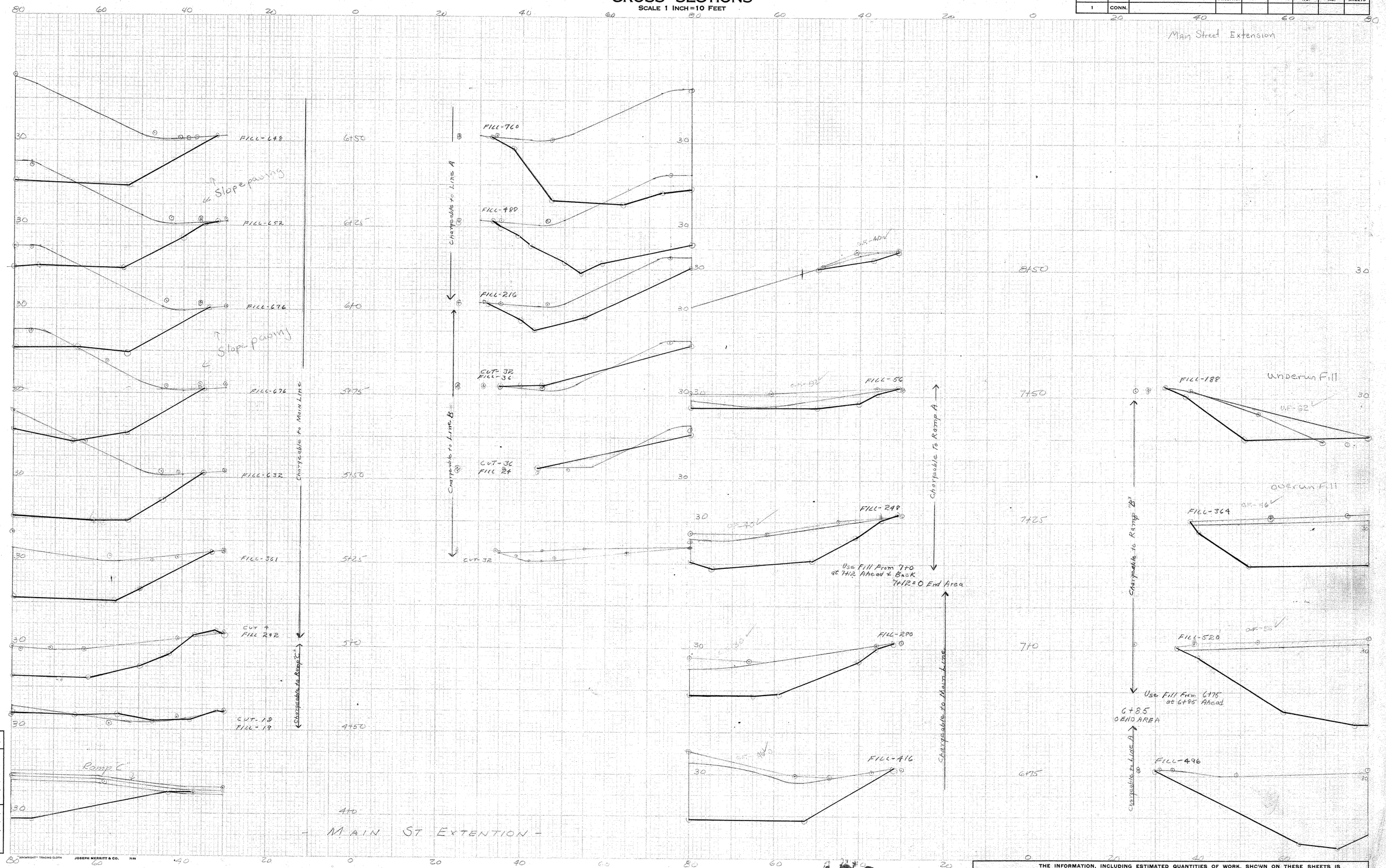
CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 14 ED. 7-46

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.							



NOTE BOOK NO. 82-90 #4
Ground Surface Plotted by T.M.P
" " Checked by C.H.J
Template Sections Plotted by T.M.P
" " Checked by C.H.J
Areas by
" Checked by
Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 7155

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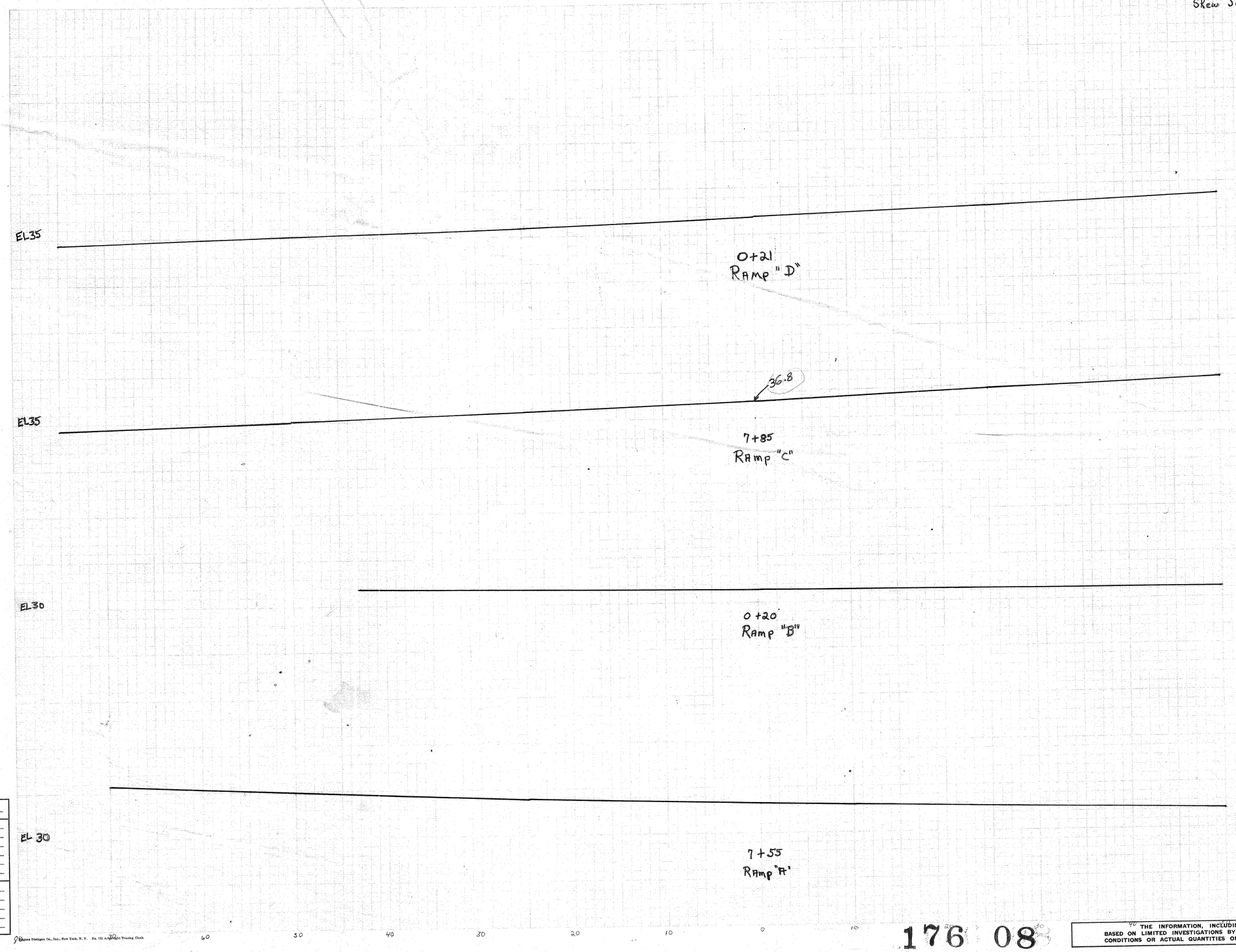
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 6-45

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	Middle Town						

Skew Sections on Ramps "A" "B" "C" "D"



Skew Sections Ramps "A" "B" "C" "D"

NOTE BOOK NO.

Ground Surface Plotted by C. Jaeger
" " Checked by C. H. J.
Template Sections Plotted by
" " Checked by
Areas by
" Checked by
Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

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