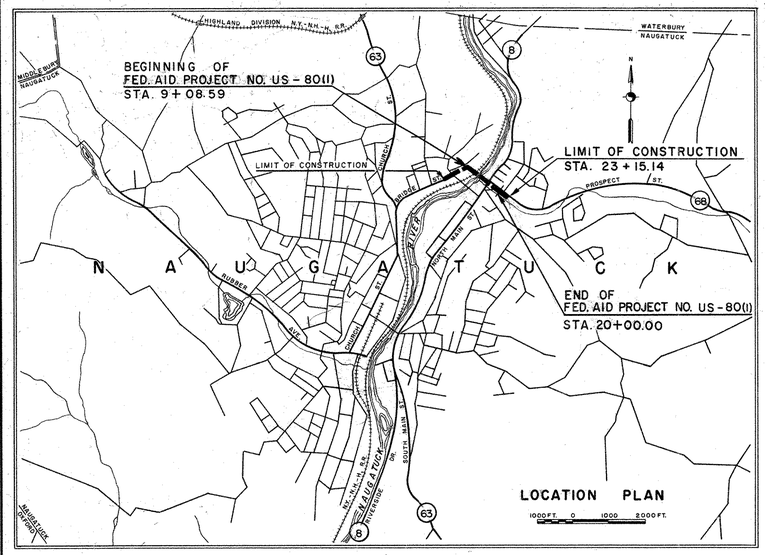
FORM NO. ENG. 8 ED. 11-52

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	1	88



CONNECTICUT
STATE HIGHWAY DEPARTMENT
PLAN
FOR
CONSTRUCTION
OF

CONNECTICUT ROUTE 68 EXTENSION

IN THE TOWN OF

NAUGATUCK

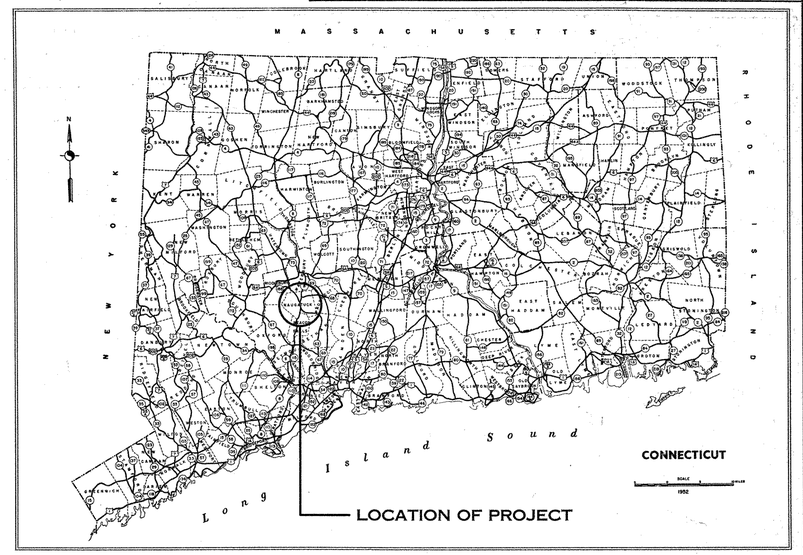
FROM STA. 9+08.59 **TO STA.** 20+00.00

LENGTH 1091.41 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.

TO BE MAINTAINED BY THE STATE

FEDERAL AID PROJECT NO. US-80(1)



1955 SPECIFICATIONS, FORM NO., 808 GOVERN

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

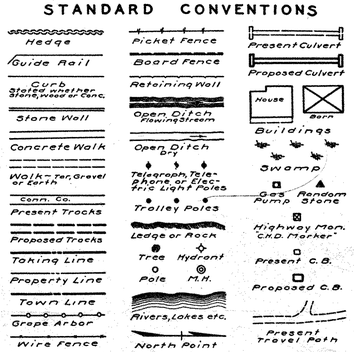
TOWN NO. 87
PROJECT NO. 78

FEDERAL AID SECONDARY SYSTEM
ASSUMED DESIGN SPEED ~ 50 M.P.H.
ANTICIPATED A.D.T. IN 1980 ~ 9000
30TH HIGHEST HOUR DIRECTIONAL TRAFFIC IN 1980 ~ 700
C.H.D. CLASSIFICATION ~ D URBAN (RES.)
1954 GEOMETRIC HIGHWAY DESIGN STANDARDS

Construction Started - July 14, 1958
Construction Completed - Dec. 15, 1960
Plans Revised By - D.G.M. - Feb. 15, 1962
Plans Checked By - W.F.T. - Mar. 4, 1962
Property Check Made 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.

STANDARD CONVENTIONS



LIST OF DRAWINGS

SHEET NO.	TITLE
1	TITLE SHEET
2	INDEX PLAN AND PROFILE AND TRAFFIC FLOW DIAGRAMS
3-5	DETAILED ESTIMATE SHEETS
6	TYPICAL CROSS SECTION SHEET
7	TRAVERSE AND CONTROL POINTS
8	TABLE OF BANKS
9-15	PLANS AND PROFILES
16-22	UTILITY RELOCATION PLANS
23-37	BRIDGE PLANS - ROUTE 68 OVER NAUGATUCK RIVER
38-43	BRIDGE PLANS - UNION STREET OVER FULLING MILL BROOK
44-57	CONSTRUCTION DETAILS
58-88	CROSS SECTIONS

STANDARD SHEETS	
SHEET NO.	TITLE
217-B	TWO-CABLE GUIDE RAILING
221-G	TYPE "D", "D-G", "E" & "L" ENDWALLS, REINFORCED CONCRETE PIPE
221-H	UNDERDRAINS AND OUTLETS, PERFORATED PIPE, CRADLE INVERT CLAY PIPE
222-B	CONCRETE STEPS, GUTTERS, CONCRETE SIDEWALK, PAVED DITCH
223-A	STANDARD MANHOLE, FRAME AND COVER
228-A	TYPE "C" CATCH BASIN, TYPE "C" DROP INLET
228-B	TYPE "C-G" CATCH BASIN, TYPE "C-G" DROP INLET
228-C	TYPE "C-L" CATCH BASIN, TYPE "C-L" DROP INLET
228-D	STEEL FRAME AND GRATE FOR TYPE "C", "C-G" AND "C-L" CATCH BASIN AND DROP INLET
249-E	FABRIC REINFORCEMENT FOR 8" & 9" CONCRETE PAVEMENT
712-A	FENCES, BARWAYS, BARRICADES, TREE WELL & ROOT PROTECTION, SERVICE BRIDGES, SLOPE PAVING
714	REINFORCED CONCRETE MARKER POST FOR FED. AID PROJECTS
718	TEMPORARY FIELD OFFICE FOR STATE HIGHWAY DEPT. FORCES
250-F	BAR MAT REINFORCEMENT FOR 8" & 9" CONCRETE PAVEMENT
222-C	CURBING

DESIGNED BY:
FIRM NAME: EDWARDS, KELCEY AND BECK
PER: Dean G. Edwards
CONN. PROF. ENG. REG. NO. 2486
DATE December 18, 1957

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:

DIVISION ENGINEER DATE

SUBMITTED April 8, 1958
Thomas H. Sellew
PROJECT ENGINEER
APPROVAL
RECOMMENDED April 8, 1958
Robert G. Mitchell
ENGINEER OF TRAFFIC PLANNING & DESIGN
APPROVED April 8, 1958
Ernest T. Perkins
ASSISTANT CHIEF ENGINEER

87 78

208 02

NAUGATUCK 87-78

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.

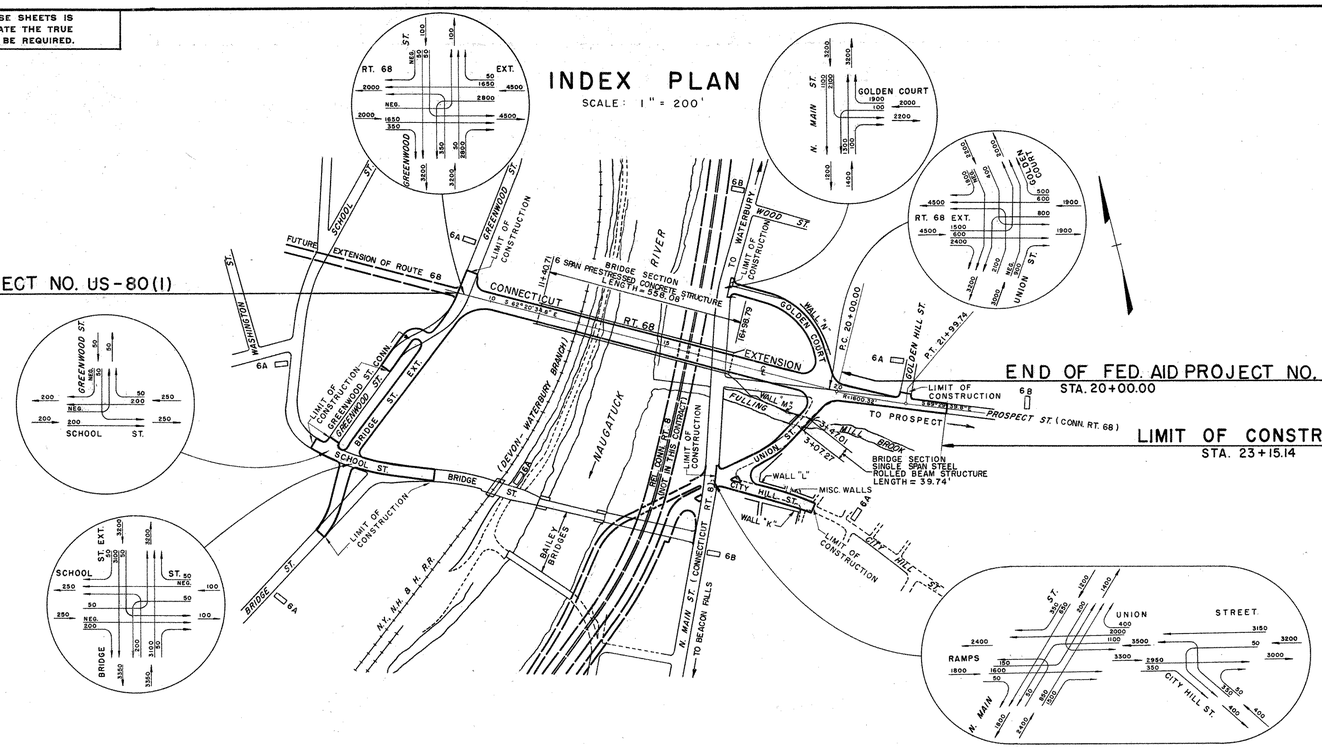
FORM NO. ENG. 10 ED. 9-48

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	2	88

CONNECTICUT ROUTE 68 EXTENSION

INDEX PLAN

SCALE: 1" = 200'



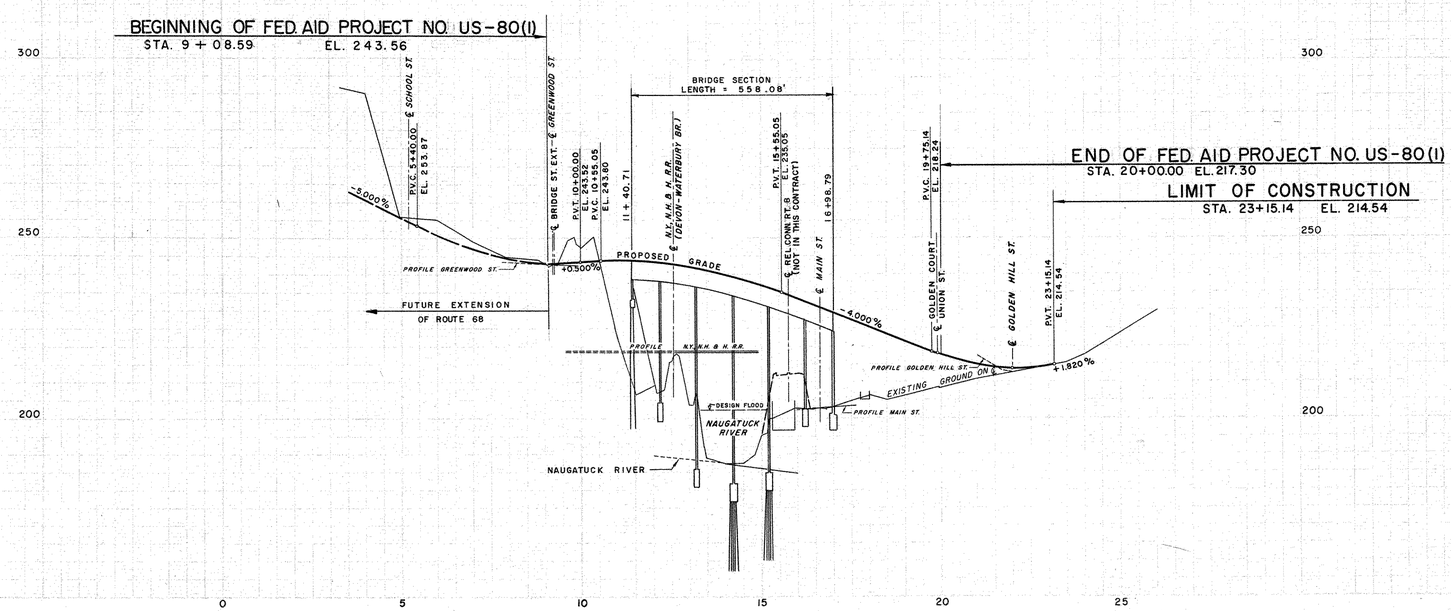
NOTES:

0000 ~ 1975 A.D.T.
6A ~ 3'x 4' CONST. SIGN (SERIES 6A)
6B ~ 4'x 5' CONST. SIGN (SERIES 6B)

THIS SHEET NOT CORRECTED

INDEX PROFILE

SCALE: HOR.: 1" = 200'
VERT.: 1" = 20'



PLAN			
NOTE BOOK NO.	Surveyed	EDWARDS, KELCEY AND BECK	1957
	Plotted	EDWARDS, KELCEY AND BECK	1957
	Traced	EDWARDS, KELCEY AND BECK	1957
	Designed	EDWARDS, KELCEY AND BECK	1957
	New Const. Noted	EDWARDS, KELCEY AND BECK	1957
	Top. Field Chk. Noted		

PROFILE			
NOTE BOOK NO.	Surveyed	EDWARDS, KELCEY AND BECK	1957
	Plotted	EDWARDS, KELCEY AND BECK	1957
	Grades Plotted	EDWARDS, KELCEY AND BECK	1957
	Traced	EDWARDS, KELCEY AND BECK	1957
	New Const. Noted	EDWARDS, KELCEY AND BECK	1957
	Designed		

"ARKNIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9023

87 78

208 02

2

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	3	88

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DETAILED ESTIMATE SHEET

FOR THE CONSTRUCTION OF CONNECTICUT ROUTE 68 EXTENSION IN THE TOWN OF NAUGATUCK

FROM STA. 9+08.59 TO STA. 20+00.00 LENGTH 1091.41 FEET; BASE COURSE BITUMINOUS MACADAM BASE / BROKEN STONE BASE WIDTH 50 FEET; DEPTH 3 ON 3 INCHES; SURFACE COURSE HOT ASPHALT CONCRETE / BITUMINOUS CONCRETE BINDER COURSE WIDTH 50 FEET; DEPTH 1¼ ON 1¼ INCHES

EXCAVATION AND BORROW

STA. TO STA.	EARTH EXCAVATION C.Y.	ROCK EXCAVATION C.Y.	FILL C.Y.	BORROW C.Y.
FEDERAL AID PARTICIPATING				
ROAD SECTION I				
ROUTE 68 EXTENSION				
9+08.59 – 11+40.71	2572		16026	
16+98.79 – 20+00			18862	
20+00. – 23+15.14	185		2204	
TOTALS FROM CROSS SECTIONS	2757		37092	
RIP RAP	740			
BENCHING	639		639	
WALL M	577		384	
PERVIOUS STRUCTURE BACKFILL			-3505	
MISCELLANEOUS	487	150	3490	
TOTAL	5200	150	38,100	
AVAILABLE FROM BRIDGE SECTION III	1700			
AVAILABLE FROM DITCH EXCAVATION	12			
SHRINKAGE	-692			
SWELL		37		
AVAILABLE FROM ROAD SECT. II	6252			
AVAILABLE FOR FILL			12,659	
NET BORROW				25,441
PLUS SHRINKAGE				2,559
TOTALS - ROAD SECT. I	5200	150		28,000
ROAD SECTION II				
UNION STREET				
0+36.50 – 3+07.27	855		1227	
3+07.41 – 4+52.73			1379	
GOLDEN COURT	2254		858	
CITY HILL STREET	2342			
GOLDEN HILL STREET	26		15	
TOTALS FROM CROSS SECTIONS	5477		3479	
WALL K	644		410	
WALL L	733		488	
WALL N	1276		953	
MISC. WALLS ON CITY HILL ST.	159		84	
PERVIOUS STRUCTURE BACKFILL			-2745	
MISCELLANEOUS	811	50	231	
TOTAL	9100	50	2900	
AVAILABLE FROM BRIDGE SECTION IV	1000			
SHRINKAGE	-1010			
SWELL		12		
AVAILABLE FOR FILL			9152	
SURPLUS TO BE USED IN ROAD SECT. I			6252	
TOTALS - ROAD SECT. II	9100	50		
TOTALS FED. AID PARTICIPATING	14,300	200		28,000
FEDERAL AID NON-PARTICIPATING				
ROAD SECTION I-A				
BRIDGE ST. EXTENSION				
10+00 – 15+00	536		5923	
15+00 – 18+50	1188		6195	
TOTALS FROM CROSS SECTIONS	1724		12118	
BENCHING	971		971	
MISCELLANEOUS	255	100	1311	
TOTAL	2950	100	14,400	
AVAILABLE FROM DITCH EXCAVATION	68			
SHRINKAGE	-308			
SWELL		25		
AVAILABLE FOR FILL			2835	
NET BORROW				11,565
PLUS SHRINKAGE				1135
TOTALS - ROAD SECT. I-A	2950	100		12,700
ROAD SECTION I-B				
SCHOOL STREET	267		1237	
GREENWOOD ST. CONNECTION	828			
TOTALS FROM CROSS SECTIONS	1095		1237	
MISCELLANEOUS	105		113	
TOTAL	1200		1350	
SHRINKAGE	-120			
AVAILABLE FOR FILL			1080	
NET BORROW				270
PLUS SHRINKAGE				30
TOTALS - ROAD SECT. I-B	1200			300
TOTALS FED. AID NON-PARTICIPATING	4150	100		13,000
SUMMARY				
TOTALS FED. AID PARTICIPATING	14,300	200		28,000
TOTALS FED. AID NON-PARTICIPATING	4150	100		13,000
TOTALS	18,450	300		41,000

MISCELLANEOUS

STA. TO STA.	MAINTENANCE AND PROTECTION OF TRAFFIC L.S.	CLEARING AND GRUBBING L.S.	OUTLETS FOR UNDERDRAIN WITH 6" A.C.C.M. PIPE L.F.	6" PERF. A.C.C.M. PIPE L.F.	CLASS "A" CONCRETE C.Y.	1/2" PREMOULDED BIT. JOINT FILLER FOR BRIDGES S.F.	DEFORMED STEEL BARS L.B.	DAMPPROOFING S.Y.	PERVIOUS STRUCTURE BACKFILL C.Y.	SUBBASE C.Y.	FORMATION OF SUBGRADE S.Y.	BROKEN STONE FOR BASE TON
FEDERAL AID PARTICIPATING – ROAD SECTION I												
ROUTE 68 EXTENSION												
9+08.59 – 11+40.71										364	1275	258
16+98.79 – 23+15.14										547	2845	576
WALL M					300	100	13,500	325	325			
UNASSIGNED										39	20	
TOTALS – ROAD SECTION I	L.S.	L.S.			300	100	13,500	325	325	950	4140	834
ROAD SECTION II												
UNION STREET												
0+36.50 – 3+07.27										283	1110	225
3+47.01 – 4+25										68	410	83
GOLDEN COURT												
0+28 – 4+33.00										430	1500	303
WALL N			68	160	400	88	26,300	280	280			
CITY HILL STREET												
0+28 – 2+82.92										302	905	367
WALL L			16	156	250	36	9350	190	190			
WALL K			124	132	260	110	11535	225	190			
MISCELLANEOUS WALLS					95		900	85	85			
DRIVEWAYS												
TRAFFIC ISLAND												
STEPS							215					
GOLDEN HILL STREET												
0+14 – 0+46.03										36	110	44
UNASSIGNED										31	25	
TOTALS – ROAD SECTION II	L.S.	L.S.	208	448	1005	234	48,300	780	745	1150	4060	1022
TOTALS – FED. AID PARTICIPATING	L.S.	L.S.	208	448	1305	334	61,800	1105	1070	2100	8200	1856
FEDERAL AID NON-PARTICIPATING – ROAD SECTION I-A												
BRIDGE ST. EXT.												
10+00.00 – 17+60										700	3100	628
18+10 – 18+50.00										49	145	30
DRIVEWAYS												
UNASSIGNED										51	15	
TOTALS – ROAD SECTION I-A	L.S.	L.S.								800	3260	658
ROAD SECTION I-B												
SCHOOL STREET												
0+49.04 – 1+41										109	365	149
1+78 – 3+99.98										165	730	295
DRIVEWAYS												
REPAVING TRENCH										90		110
GREENWOOD ST. CONN.												
1+13.81 – 2+82										177	530	215
DRIVEWAYS												
UNASSIGNED										29	15	
TOTALS – ROAD SECTION I-B	L.S.	L.S.								570	1640	769
ROAD SECTION II												
GOLDEN COURT												
REPAVING TRENCH										3		2
CITY HILL STREET												
REPAVING TRENCH										4		2
UNASSIGNED										3		
TOTALS – ROAD SECTION II										10		4
ROAD SECTION I												
UNASSIGNED												
TOTALS – ROAD SECTION I												
TOTALS – FED. AID NON-PARTICIPATING	L.S.	L.S.								1380	4900	1431
SUMMARY												
TOTALS – FED. AID PARTICIPATING	L.S.	L.S.	208	448	1305	334	61,800	1105	1070	2100	8200	1856
TOTALS – FED. AID NON-PARTICIPATING	L.S.	L.S.								1380	4900	1431
TOTALS	L.S.	L.S.	208	*448	*1305	*334	*61,800	*1105	*1070	3480	13,100	3287

STA. TO STA.	ROLLED GRAVEL BASE C.Y.	BROKEN STONE FOR BIT. MACADAM BASE TON	BIT. CONCRETE BINDER COURSE TON	HOT ASPHALT CONCRETE TON	BROKEN STONE FOR BIT. MACADAM PAVEMENT TON	BIT. MATERIAL FOR BIT. MACADAM PAVEMENT GAL.	CALCIUM CHLORIDE FOR DUST CONTROL TON	WATER FOR DUST CONTROL HOUR	SHAPING AND CLEANING SLOPES L.F.	CHAIN LINK FENCE (4' HIGH) L.F.	FURNISHING AND PLACING LOAM S.Y.
FEDERAL AID PARTICIPATING – ROAD SECTION I											
ROUTE 68 EXTENSION											
9+08.59 – 11+40.71		233	92	92		2105			232		
16+98.79 – 23+15.14		520	204	204		4695			616		2766
WALL M											
UNASSIGNED									12		134
TOTALS – ROAD SECTION I		753	296	296		6800			860		2900
ROAD SECTION II											
UNION STREET											
0+36.50 – 3+07.27		203	80	80		1830			272		607
3+47.01 – 4+25		75	29	29		675			43		404
GOLDEN COURT											
0+28 – 4+33.00		274	108	108		2470			368		1190
WALL N										152	
CITY HILL STREET											
0+28 – 2+82.92					156	2890			233		198
WALL L											
WALL K										204	
MISCELLANEOUS WALLS											
DRIVEWAYS	22			15							
TRAFFIC ISLAND	5			5							
STEPS											
GOLDEN HILL STREET											
0+14 – 0+46.03			8	8					21		
UNASSIGNED	3								13	4	101
TOTALS – ROAD SECTION II	30	552	225	245	156	7865			950	360	2500
TOTALS – FED. AID PARTICIPATING	30	1305	521	541	156	14,665			1810	360	5400
FEDERAL AID NON-PARTICIPATING – ROAD SECTION I-A											
BRIDGE ST. EXT.											
10+00.00 – 17+60		567	223	223		5120			753		1794
18+10 – 18+50.00		27	11	11		240			33		
DRIVEWAYS	5			4							
UNASSIGNED							2	200	14		106
TOTALS – ROAD SECTION I-A	5	594	234	238		5360	2	200	800		1900
ROAD SECTION I-B											
SCHOOL STREET											
0+49.04 – 1+41			26	26					78		65
1+78 – 3+99.98			52	52					199		602
DRIVEWAYS	14			10							
REPAVING TRENCH			20	20							
GREENWOOD ST. CONN.											
1+13.81 – 2+82			38	38					149		239
DRIVEWAYS	4			3							
UNASSIGNED	2						1	100	14		44
TOTALS – ROAD SECTION I-B	20		136	149			1	100	440		950
ROAD SECTION II											
GOLDEN COURT											
REPAVING TRENCH		1	1	1		10					
CITY HILL STREET											
REPAVING TRENCH		2	1	1		15					
UNASSIGNED							3	300			
TOTALS – ROAD SECTION II		3	2	2		25	3	300			
ROAD SECTION I											
UNASSIGNED							4	400			
TOTALS – ROAD SECTION I							4	400			
TOTALS – FED. AID NON-PARTICIPATING	25	597	372	389		5385	10	1000	1240		2850
SUMMARY											
TOTALS – FED. AID PARTICIPATING	30	1305	521	541	156	14,665			1810	360	5400
TOTALS – FED. AID NON-PARTICIPATING	25	597	372	389		5385	10	1000	1240		2850
TOTALS	55	1902	893	930	156	20,050	10	1000	3050	360	8250

STA. TO STA.	CONCRETE MARKER POST EA.	PRECAST CONCRETE PULL BOX EA.	TRAFFIC SIGNAL POLE FOR SPAN WIRE ASSEMBLY, TYPE "A" EA.	TRAFFIC SIGNAL POLE FOR SPAN WIRE ASSEMBLY, TYPE "B" EA.	TRAFFIC SIGNAL POLE FOR SPAN WIRE ASSEMBLY, TYPE "C" EA.	TRAFFIC SIGNAL POLE FOR SPAN WIRE ASSEMBLY, TYPE "D" EA.	SPAN WIRE ASSEMBLY L.F.	TRAFFIC SIGNAL HEAD 3 SECTION, 1 WAY EA.	TRAFFIC SIGNAL HEAD 3 SECTION, 2 WAY EA.	TRAFFIC SIGNAL HEAD 3 SECTION, 3 WAY EA.	TRAFFIC SIGNAL HEAD 3 SECTION, 4 WAY EA.	TRAFFIC SIGNAL CONTROLLER, LOCAL, INTERCONNECTED EA.
FEDERAL AID PARTICIPATING – ROAD SECTION I												
ROUTE 68 EXTENSION												
9+08.59 – 11+40.71	1	2										
16+98.79 – 23+15.14	1	7			1	1	118	1			1	1
WALL M												
UNASSIGNED												
TOTALS – ROAD SECTION I	2	9			1	1	118	1			1	1
ROAD SECTION II												
UNION STREET												
0+36.50 – 3+07.27			1	1			70		1	1		
3+47.01 – 4+25												
GOLDEN COURT												
0+28 – 4+33.00												
WALL N												
CITY HILL STREET												
0+28 – 2+82.92												
WALL L												
WALL K												
MISCELLANEOUS WALLS												
DRIVEWAYS												
TRAFFIC ISLAND												
STEPS												
GOLDEN HILL STREET												
0+14 – 0+46.03												
UNASSIGNED												
TOTALS – ROAD SECTION II			1	1			70		1	1		
TOTALS – FED. AID PARTICIPATING	2	9	1	1	1	1	188	1	1	1	1	1
FEDERAL AID NON-PARTICIPATING – ROAD SECTION I-A												
BRIDGE ST. EXT.												
10+00.00 – 17+60												
18+10 – 18+50.00												
DRIVEWAYS												
UNASSIGNED												
TOTALS – ROAD SECTION I-A												
ROAD SECTION I-B												
SCHOOL STREET												
0+49.04 – 1+41												
1+78 – 3+99.98												
DRIVEWAYS												
REPAVING TRENCH												
GREENWOOD ST. CONN.												
1+13.81 – 2+82												
DRIVEWAYS												
UNASSIGNED												
TOTALS – ROAD SECTION I-B												
ROAD SECTION II												
GOLDEN COURT												
REPAVING TRENCH												
CITY HILL STREET												
REPAVING TRENCH												
UNASSIGNED												
TOTALS – ROAD SECTION II												
ROAD SECTION I												
UNASSIGNED												
TOTALS – ROAD SECTION I												
TOTALS – FED. AID NON-PARTICIPATING												
SUMMARY												
TOTALS – FED. AID PARTICIPATING	2	9	1	1	1	1	188	1	1	1	1	1
TOTALS – FED. AID NON-PARTICIPATING												
TOTALS	2	9	1	1	1	1	188	1	1	1	1	1

STA. TO STA.	1½" RIGID STEEL CONDUIT L.F.	2½" RIGID STEEL CONDUIT L.F.	3" RIGID STEEL CONDUIT L.F.	TWO CONDUCTOR CABLE #6, TRAFFIC CONTROL L.F.	FIFTEEN CONDUCTOR CABLE #14, TRAFFIC CONTROL L.F.	THREE CONDUCTOR CABLE #2, LIGHTING L.F.	TWO CONDUCTOR CABLE #6, LIGHTING L.F.	DISPOSAL OF BUILDINGS (SEE SPECIAL PROVISIONS FOR DESCRIPTION AND LOCATIONS) L.S. PER UNIT	LIGHTING STANDARD, 30' HIGH, 4' BRACKET EA.	LIGHTING STANDARD, 30' HIGH, 6' BRACKET EA.	LIGHTING STANDARD, 30' HIGH, 10' BRACKET EA.	LUMINAIRE, LAMP & BALLAST 21,000 LUMENS EA.	LUMINAIRE, LAMP & BALLAST 11,000 LUMENS EA.	PHOTOELECTRIC ILLUMINATION CONTROLLER EA.	SERVICE POLE EQUIPMENT L.S.	RESET CHAIN LINK FENCE (6' HIGH) L.F.	CHAIN LINK FENCE (5' HIGH) L.F.	VEHICULAR GATE, DOUBLE SWING (6'x12') EA.
FEDERAL AID PARTICIPATING – ROAD SECTION I																		
ROUTE 68 EXTENSION																		
9+08.59 – 11+40.71	50	330				25	340	UNITS #2,3,		1	1	2		1		180	325	1
16+98.79 – 23+15.14	50	700	340	30	490	25	900	6,7,8,9,	2		2	2	2	1				
WALL M																		
UNASSIGNED																		
TOTALS – ROAD SECTION I	100	1030	340	30	490	50	1240	L.S.	2	1	3	4	2	2	L.S.	180	325	1
ROAD SECTION II																		
UNION STREET																		
0+36.50 – 3+07.27				30	70			UNITS #4,5										
3+47.01 – 4+25																		
GOLDEN COURT																		
0+28 – 4+33.00																		
WALL N																		
CITY HILL STREET																		
0+28 – 2+82.92																		
WALL L																		
WALL K																		
MISCELLANEOUS WALLS																		
DRIVEWAYS																		
TRAFFIC ISLAND																		
STEPS																		
GOLDEN HILL STREET																		
0+14 – 0+46.03																		
UNASSIGNED																		
TOTALS – ROAD SECTION II				30	70			L.S.										
TOTALS – FED. AID PARTICIPATING	100	1030	340	60	560	50	1240	L.S.	2	1	3	4	2	2	L.S.	180	325	1
FEDERAL AID NON-PARTICIPATING – ROAD SECTION I-A																		
BRIDGE ST. EXT.																		
10+00.00 – 17+60								UNIT #1								130		
18+10 – 18+50.00																		
DRIVEWAYS																		
UNASSIGNED																		
TOTALS – ROAD SECTION I-A								L.S.								130		
ROAD SECTION I-B																		
SCHOOL STREET																		
0+49.04 – 1+41																		
1+78 – 3+99.98																		
DRIVEWAYS																		
REPAVING TRENCH																		
GREENWOOD ST. CONN.																		
1+13.81 – 2+82																		
DRIVEWAYS																		
UNASSIGNED																		
TOTALS – ROAD SECTION I-B																		
ROAD SECTION II																		
GOLDEN COURT																		
REPAVING TRENCH																		
CITY HILL STREET																		
REPAVING TRENCH																		
UNASSIGNED																		
TOTALS – ROAD SECTION II																		
ROAD SECTION I																		
UNASSIGNED																		
TOTALS – ROAD SECTION I																		
TOTALS – FED. AID NON-PARTICIPATING								L.S.								130		
SUMMARY																		
TOTALS – FED. AID PARTICIPATING	100	1030	340	60	560	50	1240	L.S.	2	1	3	4	2	2	L.S.	180	325	1
TOTALS – FED. AID NON-PARTICIPATING								L.S.								130		
TOTALS	100	*1030	*340	60	560	50	*1240	L.S.	2	1	3	*4	2	2	L.S.	310	325	1

THESE QUANTITIES NOT CORRECTED (Federal Aid Non-Participating, Road Section II)

NOTE:
* INDICATES ADDITIONAL QUANTITIES OF THAT ITEM WILL APPEAR ON ANOTHER DETAILED ESTIMATE SHEET.

PREPARED	E.K.&B.	1957
DRAFTED	E.K.&B.	1957
CHECKED	E.K.&B.	1957

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. 8 ED 4-54

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	4	88

DETAILED ESTIMATE SHEET

FOR THE CONSTRUCTION OF CONNECTICUT ROUTE 68 EXTENSION IN THE TOWN OF NAUGATUCK

FROM STA. 9+08.59 TO STA. 20+00.00 LENGTH 1091.41 FEET; BASE COURSE BITUMINOUS MACADAM BASE, BROKEN STONE BASE WIDTH 50 FEET; DEPTH 3 ON 3 INCHES; SURFACE COURSE HOT ASPHALT CONCRETE, BITUMINOUS CONCRETE BINDER COURSE WIDTH 50 FEET; DEPTH 1¼ ON 1¼ INCHES

PREPARED	E.K.&B.	1957
DRAFTED	E.K.&B.	1957
CHECKED	E.K.&B.	1957

MISCELLANEOUS

FEDERAL AID PARTICIPATING

STA.	TO STA.	CONCRETE FOR STEPS AND COPINGS (C.Y.)	CONCRETE CURBING (L.F.)	CONCRETE PARK CURBING (L.F.)	CONCRETE SIDEWALK (S.F.)	CONCRETE RAMP (C.Y.)	RIP-RAP (TON)	TIMBER SHEET PILES (M.B.F.)
ROAD SECTION I								
ROUTE 68 EXTENSION								
9+68 LT	11+41 LT		175		865			
10+15 RT.	11+41 RT.		125		630			
11+42	12+06							
13+19	13+49						480	
16+83 LT.	16+99 RT.				475			
16+87 RT.	16+95 RT.		55					
16+99 LT.&RT.	18+93 LT.&RT.		390		1935			
19+75 LT.	21+68 LT.		200		1225			
20+15 RT.	23+15 RT.		290		1595			
21+55 RT.		1.3						
21+85 RT.		0.7						
22+18 LT.	23+15 LT.		80		485			
22+32 RT.						2.6		
23+00 LT.						2.6		
UNASSIGNED		1.0	35		90	0.8	20	
TOTALS – ROAD SECTION I		3.0	1350		7300	6.0	500	
ROAD SECTION II								
UNION STREET								
0+62 LT.	2+96 LT.				1210			
0+62 LT.	2+98 LT.		240					
1+42 RT.	3+19 RT.		230					
1+42 RT.	3+21 RT.				1130			
3+36 LT.	3+84 LT.				430			
3+38 LT.	3+84 LT.		90					
3+59 RT.	4+45 RT.		95					
3+61 RT.	4+45 RT.				450			
GOLDEN COURT								
0+47 RT.	4+30 RT.		415					
0+69 LT.	4+26 LT.		370		1765			
3+31 LT.						2.4		
3+79 LT.						2.4		
4+10 RT.	4+30 RT.				135			
CITY HILL STREET								
0+06 RT.	1+43 RT.				1445			
0+06 RT.	2+83 RT.		285					
0+37 LT.	0+70 LT.			85				
0+53 RT.		2.9						
1+15 LT.	2+83 LT.		170					
1+38 RT.								0.45
1+85 LT.		1.2						
1+91 LT.	2+04 LT.			35				
2+25 LT.		0.9						
2+80 LT.		1.8						
GOLDEN HILL STREET								
0+14 LT.&RT.	0+46 LT.&RT.		75		365			
UNASSIGNED		1.2	30	10	70	0.2		0.05
TOTALS – ROAD SECTION II		8.0	2000	130	7000	5.0		0.50
TOTALS – FED. AID PARTICIPATING		11.0	3350	130	14,300	11.0	500	0.50

THESE QUANTITIES NOT CORRECTED

FEDERAL AID NON-PARTICIPATING

STA.	TO STA.	CONCRETE FOR STEPS AND COPINGS (C.Y.)	CONCRETE CURBING (L.F.)	CONCRETE PARK CURBING (L.F.)	CONCRETE SIDEWALK (S.F.)	CONCRETE RAMP (C.Y.)	RIP-RAP (TON)	TIMBER SHEET PILES (M.B.F.)
ROAD SECTION I-A								
BRIDGE STREET EXT.								
10+00 LT.&RT.	12+14 LT.&RT.		415		2290			
10+44 LT.						2.4		
11+54 LT.						2.4		
12+53 LT.	15+95 LT.		350					
12+63 RT.	17+74 RT.		560		2780			
16+50 LT.	18+50 LT.		165		1010			
17+12 LT.						2.6		
18+14 RT.	18+40 RT.		45		185			
18+15 LT.						2.6		
UNASSIGNED			15		35	1.0		
TOTALS – ROAD SECTION I-A			1550		6300	11.0		
ROAD SECTION I-B								
SCHOOL STREET								
0+49 LT.	0+80 LT.		30					
0+49 RT.	1+26 RT.		80					
0+58 LT.						2.6		
0+65 LT.	0+80 LT.				135			
1+10 LT.	1+42 LT.		50		205			
1+84 LT.	4+00 LT.		165		865			
1+92 RT.	4+00 RT.		195					
3+17 LT.						4.8		
3+48 LT.						5.8		
3+78 LT.						4.8		
3+86 RT.						3.2		
3+95 RT.	4+00 RT.				25			
GREENWOOD ST. CONN.								
1+14 LT.	2+82 LT.				1095			
1+14 LT.&RT.	2+82 LT.&RT.		340					
1+93 LT.						2.6		
UNASSIGNED			40		75	3.2		
TOTALS – ROAD SECTION I-B			900		2400	27.0		
TOTALS – FED. AID NON-PARTICIPATING			2450		8700	38.0		

SUMMARY

	CONCRETE FOR STEPS AND COPINGS (C.Y.)	CONCRETE CURBING (L.F.)	CONCRETE PARK CURBING (L.F.)	CONCRETE SIDEWALK (S.F.)	CONCRETE RAMP (C.Y.)	RIP-RAP (TON)	TIMBER SHEET PILES (M.B.F.)
TOTALS – FED. AID PARTICIPATING	11	3350	130	14300	11	500	0.5
TOTALS – FED. AID NON-PARTICIPATING		2450		8700	38		
TOTALS	11	5800	130	23000	49	500	* 0.5

STORM AND SANITARY

Column key: A = TRENCH EXCAVATION 0–6' DEEP (C.Y.); B = TRENCH EXCAVATION 0–10' DEEP (C.Y.); C = TRENCH EXCAVATION 0–15' DEEP (C.Y.); D = DITCH EXCAVATION (C.Y.); E = 12" R.C. PIPE (L.F.); F = 15" R.C. PIPE (L.F.); G = 24" R.C. PIPE (L.F.); H = 15" A.C.C.M. PIPE (L.F.); I = 12" TILE LAWN DRAIN (EA.); J = 8" V.C. PIPE (L.F.); K = 10" V.C. PIPE (L.F.); L = 18"X11" A.C.C.M. PIPE-ARCH (L.F.); M = TYPE "C" CATCH BASIN (EA.); N = TYPE "C-G" CATCH BASIN (EA.); O = TYPE "C-L" CATCH BASIN (EA.); P = TYPE "C" DROP INLET (EA.); Q = TYPE "C-L" DROP INLET (EA.); R = MANHOLE (EA.); S = RESET CATCH BASIN (EA.); T = RESET MANHOLE (EA.); U = REBUILT MANHOLE (EA.); V = PAVED DITCH (S.Y.)

FEDERAL AID PARTICIPATING

STA.	TO STA.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
ROAD SECTION I																								
ROUTE 68 EXTENSION																								
10+10,119' RT.	11+00,119' RT.				12																			
18+90,25' LT.	18+65,87' RT.	64					44		68					2										
19+38,25' RT.			19																					
19+45,8' RT.		12																						
20+50 LT.&21+33 LT.	21+00,89' RT.	144					68	96		1						1			1					
22+10,14' RT.	21+97,12' LT.	21					24							1						1	1			
UNASSIGNED		9	1				12	4	4															
TOTALS – ROAD SECTION I		250	20		12		148	100	72	1				3		1			1	1	1			
ROAD SECTION II																								
UNION STREET																								
0+70,18' LT.																				1				
1+80,18' LT.	1+40,60' RT.	41					84										2							
GOLDEN COURT																								
3+00,15' RT.	4+33,20' RT.	30					132																	
3+00,15' LT.	3+00,30' RT.	39					40										2	1						
4+25,20' RT.	4+33,26' LT.	23				8							36				1		1					
CITY HILL STREET																								
0+00,13' LT.	2+75,15' LT.&RT.	143	18				308										3				1			
0+28,15' RT.	0+00,13' LT.	14											40				1							
0+83,10' LT.		16																						
0+91,17' LT.		15																						
2+66,10' LT.		13																						
2+66,10' LT.	2+74,13' RT.	4																						
2+74,13' RT.		3																						
GOLDEN HILL STREET																								
0+29,14' RT. & 0+34,14' LT.																				2				
UNASSIGNED		19	2			4	36						8				1							
TOTALS – ROAD SECTION II		360	20			12	600						84				10	1	1	3	1			

NOTE:
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FEDERAL AID NON-PARTICIPATING

STA.	TO STA.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
ROAD SECTION I																								
ROUTE 68 EXTENSION																								
20+21,12' RT.			25																1					SANITARY
21+98,2 RT.																					1			SANITARY
UNASSIGNED																								
TOTALS – ROAD SECTION I			25																1		1			
ROAD SECTION II																								
GOLDEN COURT																								
RT. 68 20+20,12' RT.	3+50,7' RT.	79	177	108								476							2					SANITARY
CITY HILL STREET																								
UNION ST. 0+20,11' LT.	2+30,℄	103	66								248								2					SANITARY
UNASSIGNED		8	7	7							8	8												SANITARY
TOTALS – ROAD SECTION II		190	250	115							256	484							4					
ROAD SECTION I-A																								
BRIDGE ST. EXT.																								
17+30,34' LT.	17+30,2' RT.	15	25							1									1					
10+30,15' LT.	11+86,68' RT.	62					168						28				2	1						
12+37,℄	14+35,4' RT.	83					196																	
12+65 RT.&12+75 LT.	12+37,℄	59					72										2		1					
12+94,56' RT.	17+00,110' RT.				63																		184	
12+94,56' RT.			18												1									
14+35,4' RT.	16+40,℄	78					204																	
14+47,18' LT.&RT.	14+35,4' RT.	40					32										2		1					
16+40,℄	18+32,18' LT.	80					216										2							
16+52,18' LT.&RT.	16+40,℄	34					32										2		1					
17+08,8' LT.																					1			SANITARY
UNASSIGNED		19	7		5		44						4										16	
TOTALS – ROAD SECTION I-A		470	50		68		964			1			32		1		10	1	4		1		200	
ROAD SECTION I-B																								
SCHOOL STREET																								
0+69,13' LT.&RT.																				2				
0+88,℄																					1			SANITARY
1+10,33' LT.		12																						
1+14,32' LT.	0+95,5' LT.	12				8											1				1			
1+60,10' LT.	3+00,8' LT.	66					132																	
2+25 RT.&2+30 LT.	3+00 RT.&LT.	63	20				152												1			1		
2+43,19' RT.																						1		SANITARY
2+92,13' LT.		8																						
2+92,15' LT.		12																						
3+00,8' LT.	4+68 LT.		129				164																	
3+02,30' RT.		12																						
3+96,18' LT.&RT.	4+47 LT.	51					104										2							
4+68 LT.	RIVER		126	153			236												1					
GREENWOOD ST. CONN.																								
1+70,℄		13																						
1+77,14' LT.		12																						
1+80,5' LT.																					1			SANITARY
UNASSIGNED		14	15	7			28																	
TOTALS – ROAD SECTION I-B		275	290	160		8	816										3		2	2	3	2		

SUMMARY

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
TOTALS – FED. AID PARTICIPATING	610	40		12	12	748	100	72	1			84	3		1	10	1	2	4	2		
TOTALS – FED. AID NON-PARTICIPATING	935	615	275	68	8	1780			1	256	484	32		1		13	1	11	2	5	2	200
TOTALS	1545	655	275	80	20	2528	100	72	2	256	484	116	3	1	1	23	2	13	6	7	2	200

FORM NO. ENG. 8 ED 4-54

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DETAILED ESTIMATE SHEET

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJECT NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-801(1)	87-78	1958	68	5	88

FOR THE CONSTRUCTION OF CONNECTICUT ROUTE 68 EXTENSION IN THE TOWN OF NAUGATUCK

FROM STA. 9+08.59 TO STA. 20+00.00 LENGTH 1091.41 FEET; BASE COURSE BITUMINOUS MACADAM BASE / BROKEN STONE BASE WIDTH 50 FEET; DEPTH 3 ON 3 INCHES; SURFACE COURSE HOT ASPHALT CONCRETE / BITUMINOUS CONCRETE BINDER COURSE WIDTH 50 FEET; DEPTH 1¼ ON 1¼ INCHES

GUIDE RAILING

STA. TO STA.		TWO-CABLE GUIDE RAILING	TYPE "B" ANCHORAGE	TYPE "C" ANCHORAGE	COMPENSATING TYPE ANCHORAGE	SINGLE POST
		L.F.	EA.	EA.	EA.	EA.
FEDERAL AID PARTICIPATING						
ROAD SECTION I						
ROUTE 68 EXTENSION						
10+15 RT.	11+28 RT.	115	1			
17+05 LT. & RT.	18+93 LT. & RT.	375	2		1	
19+83 LT.	20+62 LT.	90		1		1
20+15 RT.	21+05 RT.	90			1	1
TOTALS-ROAD SECTION I		670	3	1	2	2
ROAD SECTION II						
UNION STREET						
1+57 LT.	2+93 LT.	135	1		1	1
2+35 RT.	3+22 RT.	85	1		1	1
3+35 LT.	3+78 LT.	75	1		1	
3+65 RT.	4+45 RT.	80	1			
GOLDEN COURT						
0+47 RT.	1+05 RT.	60			1	1
0+76 LT.	1+45 LT.	100			1	1
TOTALS-ROAD SECTION II		535	4		5	4
TOTALS-FED. AID PARTICIPATING		1205	7	1	7	6
FEDERAL AID NON-PARTICIPATING						
ROAD SECTION I-A						
BRIDGE ST. EXTENSION						
11+64 RT.	12+04 RT.	45		1		1
12+63 RT.	17+66 RT.	550			2	
TOTALS-ROAD SECTION I-A		595		1	2	1
ROAD SECTION I-B						
SCHOOL STREET						
1+92 LT.	2+92 LT.	105			1	1
1+92 RT.	3+00 RT.	110			1	1
GREENWOOD ST. CONNECTION						
1+14 RT.	2+20 RT.	105		1	1	2
TOTALS-ROAD SECTION I-B		320		1	3	4
TOTALS-FED. AID NON-PARTICIPATING		915		2	5	5
SUMMARY						
TOTALS-FED. AID PARTICIPATING		1205	7	1	7	6
TOTALS-FED. AID NON PARTICIPATING		915		2	5	5
TOTALS		2120	7	3	12	11

BRIDGES

STA. TO STA.		STRUCTURE EXCAVATION (COMPLETE)	6" PERF. A.C.C.M. PIPE	CLASS "A" CONC.	PRESTRESSED GIRDERS TYPE "A"	PRESTRESSED GIRDERS TYPE "B"	PRESTRESSED GIRDERS TYPE "C"	PRESTRESSED GIRDERS TYPE "D"	PRESTRESSED GIRDERS TYPE "E"	PRESTRESSED GIRDERS TYPE "F"	TEST PILE (STEEL 12BP53, 25' LENGTH)	TEST PILE (STEEL 12BP53, 50' LENGTH)	¾" PREMOULDED BIT. JOINT FILLER FOR BRIDGES	½" PREMOULDED BIT. JOINT FILLER FOR BRIDGES	STRUCTURE EXCAVATION (EXCLUDING FOUNDATION AND PUMPING)	½" PREMOULDED BIT. JOINT FILLER FOR BRIDGES	CEMENT RUBBLE MASONRY	DEFORMED STEEL BARS	STRUCTURAL STEEL	CONCRETE FILLED STEEL GRID FLOOR	DAMPPROOFING	REMOVAL OF SUPERSTRUCTURE	METAL BRIDGE RAIL (4'-1" HIGH)	METAL BRIDGE RAIL	PERVIOUS STRUCTURE BACKFILL	DENSE GRADED BIT. CONCRETE	FURNISHING STEEL PILES	DRIVING STEEL PILES	POINT REINFORCEMENT FOR STEEL PILES	2" RIGID STEEL CONDUIT	2½" RIGID STEEL CONDUIT	TWO CONDUCTOR CABLE, #6, LIGHTING	JUNCTION BOX, CAST METAL	LIGHTING STANDARD, 6' EXTENSION, 6' BRACKET	LUMINAIRE, LAMP & BALLAST 21,000 LUMENS	COPPER DRAINAGE TROUGH	BRIDGE SCUPPER	4" COPPER PIPE	6" WROUGHT IRON PIPE	3" RIGID STEEL CONDUIT	CRUSHED STONE FOR SLOPE PROTECTION	4" CAST IRON PIPE	6" A.C.C.M. PIPE	METAL BRIDGE RAIL (7'-3" HIGH)	COFFERDAM AND PUMPING	STEEL SHEET PILES (Permanent in place)	TIMBER SHEET PILES
		C.Y.	L.F.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EA	EA	S.F.	S.F.	C.Y.	S.F.	C.Y.	LB.	LB.	S.F.	S.Y.	L.S.	L.F.	L.F.	C.Y.	TON	LB.	L.F.	EA.	L.F.	L.F.	L.F.	EA.	EA.	EA.	L.F.	EA.	L.F.	L.F.	L.F.	TON	L.F.	L.F.	L.F.	L.F.	LB	MBF
FEDERAL AID PARTICIPATING																																															
BRIDGE SECTION III																																															
RT. 68 EXT. OVER NAUGATUCK RIVER																																															
11+40.71	TO 16+98.79																																														
TOTALS-BRIDGE SECTION III		1850	168	4850	310	1390	400	800	2785	400	1	2		180	2100	6	7	315,000	32,000	1000	540		1008		3180	440	251,500	4750	132	25	525	670	4	3	3	270	14	60	240		273	60	200	122	444	30,400	02
BRIDGE SECTION IV																																															
UNION ST. OVER FULLING MILL BROOK																																															
3+07.27	TO 3+47.01																																														
TOTALS-BRIDGE SECTION IV		1500		625									10	130		35	55	41,700	37,500		365	L.S.		82	2000														50							
TOTALS-FED. AID PARTICIPATING		3350	168	5475	310	1390	400	800	2785	400	1	2	10	310	2100	41	62	356,700	69,500	1000	905	L.S.	1008	82	5180	440	251,500	4750	132	25	525	670	4	3	3	270	14	60	240	50	273	60	200	122	444	30,400	02

SANITARY SUMMARY

	TRENCH EXCAVATION 0'-10' DEEP	TRENCH EXCAVATION 0'-10' DEEP	TRENCH EXCAVATION 0'-15' DEEP	8" V.C. PIPE	10" V.C. PIPE	MANHOLE	RESET MANHOLE	REBUILD MANHOLE
	C.Y.	C.Y.	C.Y.	L.F.	L.F.	EA.	EA.	EA.
TOTALS	190	275	115	256	484	5	4	1

NOTE:
* INDICATES ADDITIONAL QUANTITIES OF THAT ITEM WILL APPEAR ON ANOTHER DETAILED ESTIMATE SHEET

THESE QUANTITIES NOT CORRECTED

TOTALS	3350	*168	5475	310	1390	400	800	2785	400	1	2	10	*310	2100	41	62	*356,700	69,500	1000	*905	L.S.	1008	82	*5180	440	251,500	4750	132	25	*525	*670	4	3	*3	270	14	60	240	*50	273	60	200	122	444	30,400	*02

L.R. L.D. 1257
E.W.E.D. 957
E.K.B.E. 957

PREPARED
DRAFTED
CHECKED

87 78

208 02

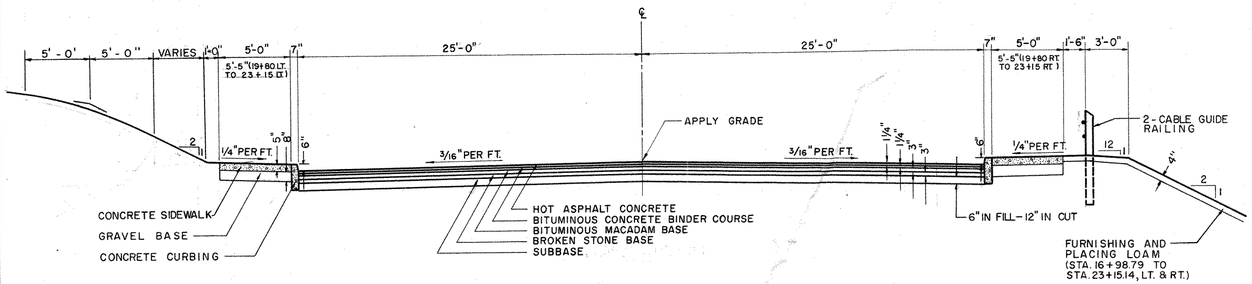
FORM NO. ENG. 11 ED. 8-54

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	6	88

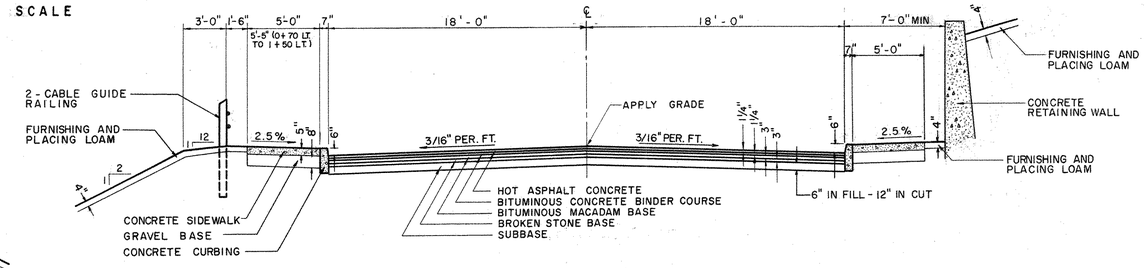
TYPICAL SECTIONS

NOT TO SCALE

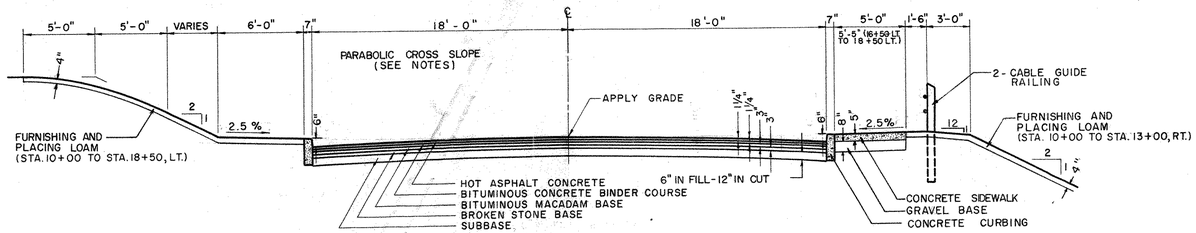
CONNECTICUT ROUTE 68 EXTENSION



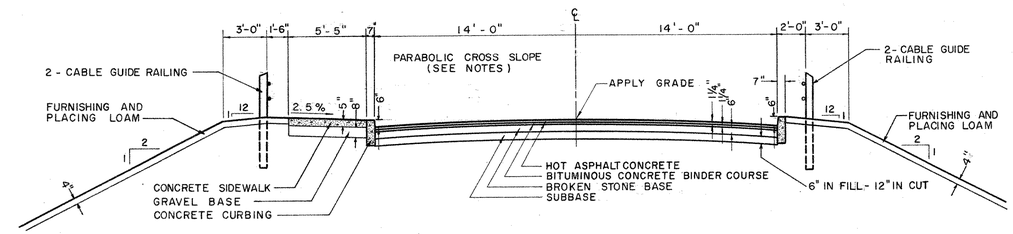
ROUTE 68 EXTENSION



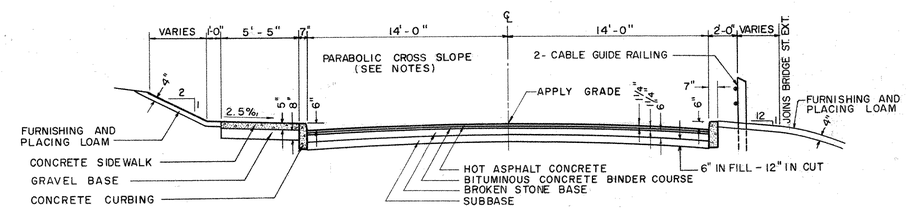
UNION STREET



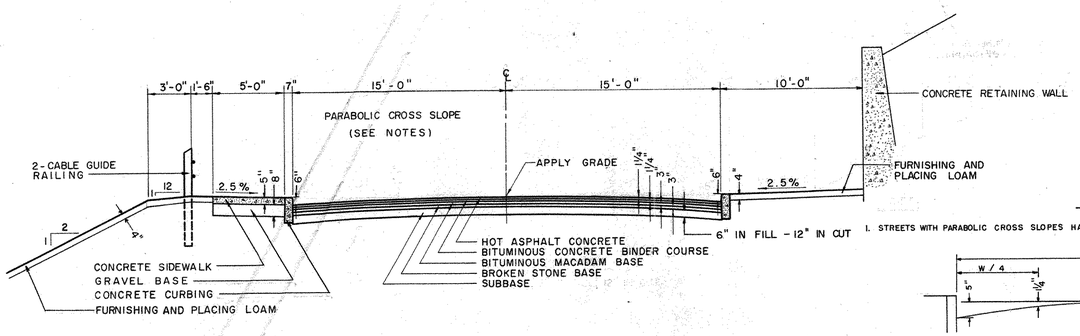
BRIDGE STREET EXTENSION



SCHOOL STREET



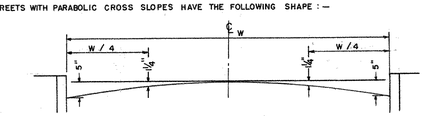
GREENWOOD STREET CONNECTION



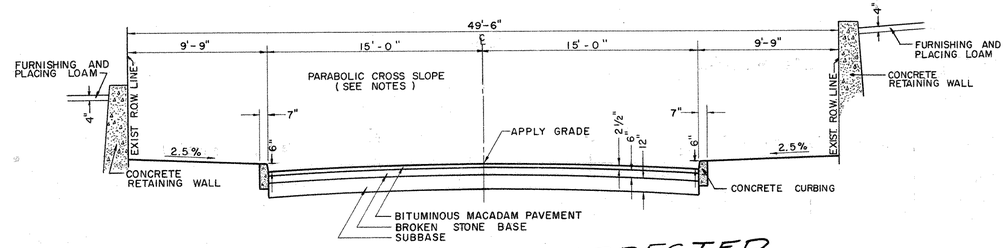
GOLDEN COURT

NOTES

1. STREETS WITH PARABOLIC CROSS SLOPES HAVE THE FOLLOWING SHAPE :—



2. 2:1 CUT AND FILL SLOPES SHOWN ON THIS SHEET ARE MAXIMUMS. FLATTER SLOPES ARE USED AS INDICATED ON CROSS SECTIONS.
3. GUIDE RAILING AND CONCRETE SIDEWALKS WILL BE PLACED WITHIN LIMITS AS SHOWN ON PLANS.
4. BIT. CONCRETE DRIVEWAYS WILL BE 2" HOT ASPHALT CONCRETE ON 6" ROLLED GRAVEL BASE.
5. TRAFFIC ISLAND AT UNION ST. AND CITY HILL ST. WILL BE 2" HOT ASPHALT CONCRETE ON 4" ROLLED GRAVEL BASE.
6. PATCH PAVEMENT FOR GREENWOOD ST. AT SCHOOL ST. AND GOLDEN HILL ST. AT RT. 68 EXT. WILL BE THE SAME MATERIAL AND DEPTH AS SCHOOL ST.
7. CONCRETE RAMPS TO BE REINFORCED AND TO BE 16' LONG EXCEPT WHERE OTHERWISE NOTED ON PLANS.



TYPICAL SECTIONS NOT CORRECTED

CITY HILL STREET

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.

NOTE BOOK NO.		
Plotted	EDWARDS, KELCEY AND BECK	1957
Traced	EDWARDS, KELCEY AND BECK	1957
Designed	EDWARDS, KELCEY AND BECK	1957
New Const. Noted		
Top. Field Chk. noted		

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9023

87 78

208 02

6

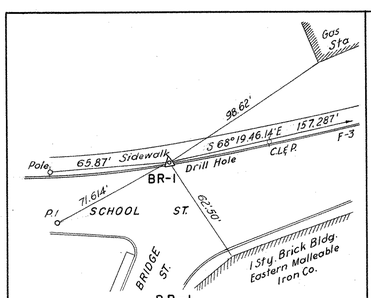
FORM NO. ENG. 11 ED. 8-54

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(11)	87-78	1958	68	7	88

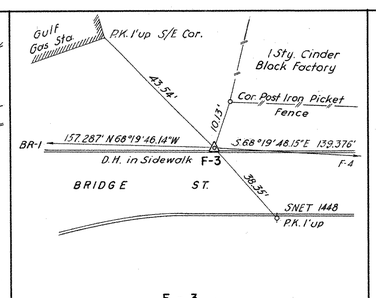
CONNECTICUT ROUTE 68 EXTENSION

TRAVERSE AND CONTROL POINTS

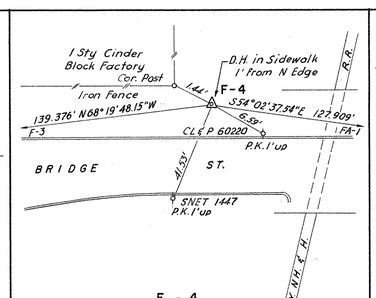
NOT TO SCALE



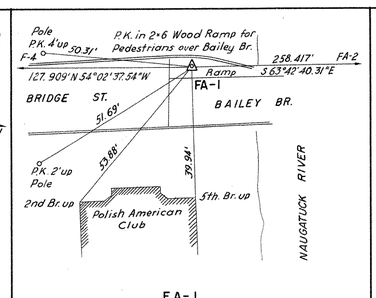
BR-1
N 243,805.018
E 517,596.268



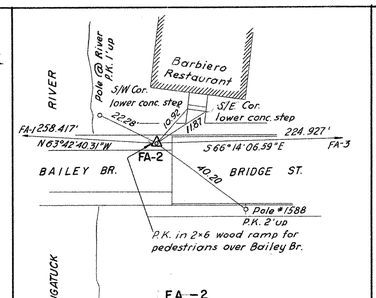
F-3
N 243,746.937
E 517,742.438



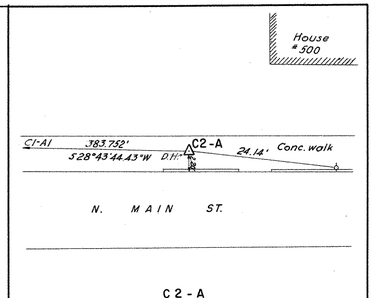
F-4
N 243,695.471
E 517,871.964



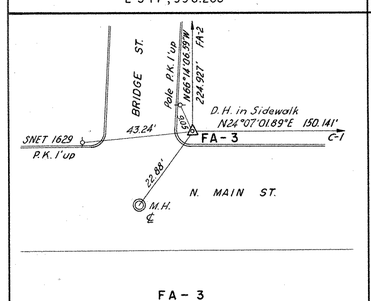
FA-1
N 243,620.367
E 517,975.502



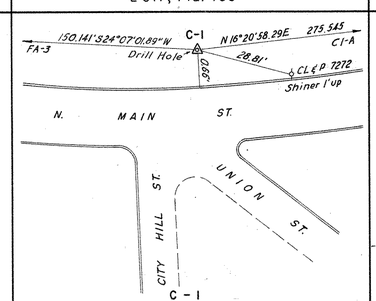
FA-2
N 243,505.915
E 518,207.192



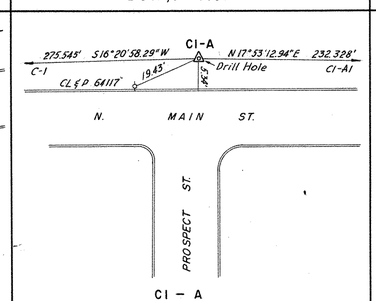
C2-A
N 244,374.322
E 518,807.774



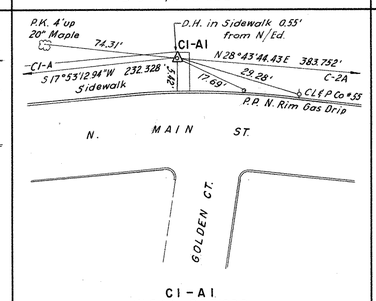
FA-3
N 243,415.273
E 518,413.047



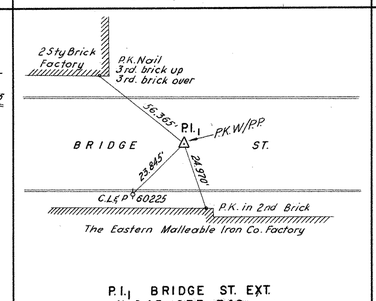
C-1
N 243,552.308
E 518,474.395



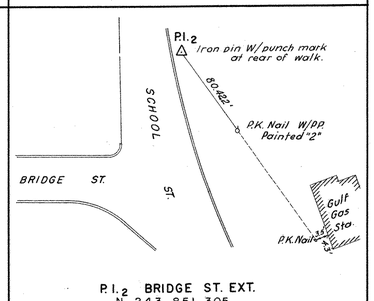
CI-A
N 243,816.711
E 518,551.960



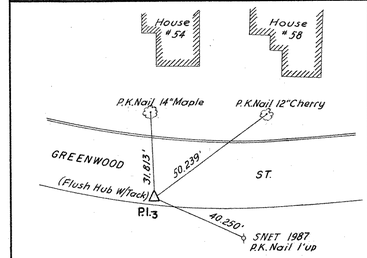
CI-A1
N 244,037.809
E 518,623.317



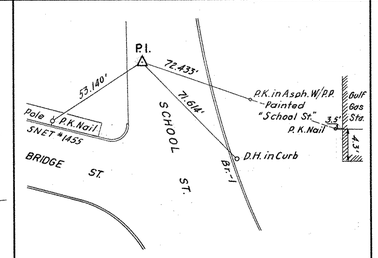
P.I.1 BRIDGE ST. EXT.
N 243,677.749
E 517,430.491



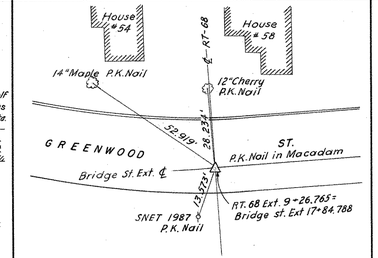
P.I.2 BRIDGE ST. EXT.
N 243,851.305
E 517,525.405



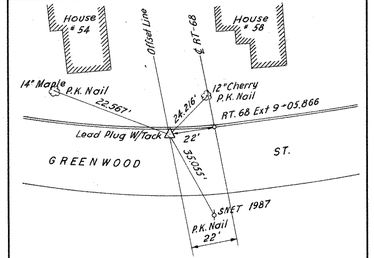
P.I.3 BRIDGE ST. EXT.
N 244,162.938
E 517,210.309



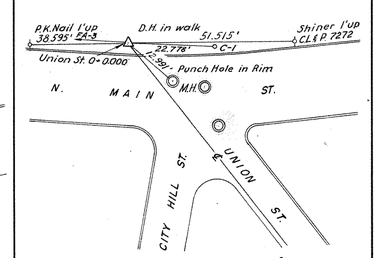
P.I. SCHOOL ST.
N 243,816.077
E 517,525.513



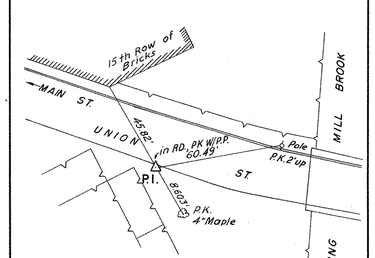
INTERSECTION OF BRIDGE ST. EXT. ℄ AND RT. 68 EXT. ℄
N 244,199.113
E 517,936.241



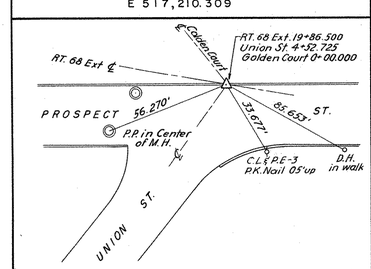
WEST END OF RT. 68 EXT. OFFSET LINE



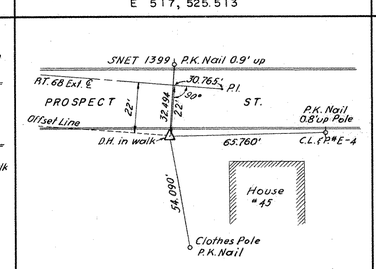
INTERSECTION OF UNION ST. ℄ AND SURVEY LINE FA3-CI
N 243,531.518
E 518,465.088



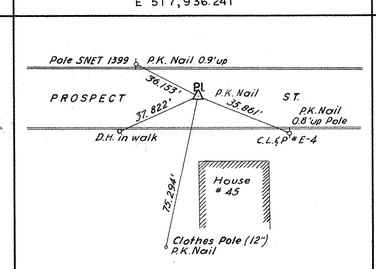
P.I. UNION ST.
N 243,566.408
E 518,650.840



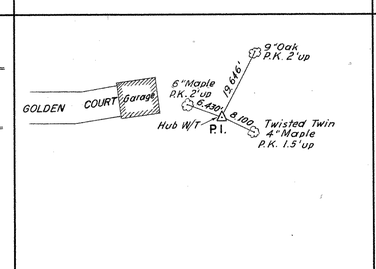
INTERSECTION OF UNION ST., GOLDEN COURT AND RT. 68 EXT. CENTER LINES
N 243,707.209
E 518,874.891



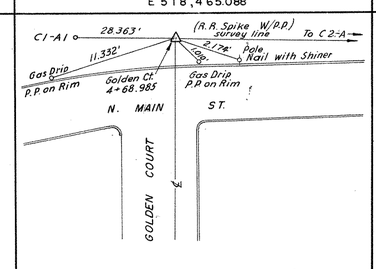
EAST END OF RT. 68 EXT. OFFSET LINE



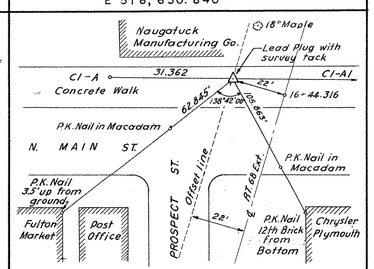
P.I. RT. 68 EXT.
N 243,654.525
E 518,975.425



P.I. GOLDEN COURT
N 243,937.163
E 518,861.697



INTERSECTION OF GOLDEN COURT ℄ & SURVEY LINE CI-A1 → C2-A
N 244,062.681
E 518,636.950



INTERSECTION OF RT. 68 EXT. OFFSET LINE AND SURVEY LINE CI-A → CI-A1
N 243,846.557
E 518,561.593

THIS SHEET NOT CORRECTED

PLAN		
Surveyed	EDWARDS, KELLEY AND BECK	1957
Plotted	EDWARDS, KELLEY AND BECK	1957
Traced	EDWARDS, KELLEY AND BECK	1957
Checked		
New Const. Noted		
Top. Field Chk. noted		

NOTE BOOK

NO.

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"ARCWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9023

87 78

208 02

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	8	88

CONNECTICUT ROUTE 68 EXTENSION

TABLE OF BANKS

ROUTE 68 EXTENSION

BANK LEFT 14'	G	24'	25'	APPLIED GRADE	BANK RIGHT 14'	24'	G	25'	STATION
				243.56				-4 3/4	9+08.59
	-5		-4 3/8	243.42			-11 5/8	-4 3/8	9+50
			"	243.52				"	10+00
			"	243.77				"	10+50
			"	243.80				"	10+55.05
			"	243.93				"	11+00
			-3 1/8	243.86				-3 1/8	11+50
				BRIDGE					
			-3 1/8	229.25				-3 1/8	17+00
			-4 3/8	227.25				-4 3/8	17+50
			"	225.25				"	18+00
			"	223.25				"	18+50
			"	221.25				"	19+00
		-4 1/2		219.25		-4 1/2			19+50
		"		218.24		"			19+75.14
		"		217.30		"			20+00
	-4 5/8			215.73			-3 3/4		20+50
	-3 3/4			214.58			-3 3/4		21+00
	-3 1/4			213.91			-3		21+45.14
	-3			213.86			-2 3/4		21+50
-2 5/8				213.58	-2 5/8				22+00
-2 5/8				213.71	-2 5/8				22+50
-2 7/8 *				214.28	-2 7/8 *				23+00
-3 1/4 *				214.54	-3 1/4 *				23+15.14

GOLDEN HILL STREET

BANK LEFT			14'	APPLIED GRADE	BANK RIGHT 14'				STATION
	RT. 68 EXT.			213.58		RT. 68 EXT.			0+00
				213.36					0+14.03
		*	-3 3/8	213.32	-2 1/2 *				0+25
		*	-6	213.37	-3 7/8 *				0+30.03
		*	-9 5/8	213.92	-6 1/4 *				0+46.03

CITY HILL STREET

BANK LEFT	15'	7.5'	3'	APPLIED GRADE	BANK RIGHT 7.5'	15'			STATION
UNION ST.				205.51		UNION ST.			0+00
				205.69					0+10.00
				206.24	-1 3/4	-3 7/8			0+20.00
				207.30	"	"			0+34.55
			+3 1/4	208.49	"	"			0+50
			"	209.44	"	"			0+61.02
				212.02	"	"			0+87.50
				213.50	"	"			1+00
				215.06	"	"			1+11.00
	-5	-1 1/4	*	219.20	-1 1/4	-5	*		1+34.50
	"	"	*	222.30	"	"	*		1+50
	"	"	*	228.88	"	"	*		1+82.92
	"	"	*	232.13	"	"	*		2+00
	"	"	*	237.42	"	"	*		2+32.92
	"	"	*	239.64	"	"	*		2+50
	"	"	*	243.05	"	"	*		2+82.92

℄ #2 CITY HILL STREET

BANK LEFT	G	15'		APPLIED GRADE	BANK RIGHT	15'			STATION
	UNION ST.			209.91		UNION ST.			0+37.03
				209.91					0+50
		+10 1/4		209.91		-10 3/4			0+55.03
	+1 3/8			210.24		-7 1/8			0+67.53
		-4		211.23		-7 1/2			0+80.03
		-4 1/2		212.02					0+87.50
		-2		213.50					1+00
		-2 1/4		213.66					1+01.23
		-8		215.67					1+14.95

UNION STREET

BANK LEFT	24'	18'		APPLIED GRADE	BANK RIGHT	18'			STATION
				205.55					0+36.50
				205.57					0+50
				205.68					0+54.50
		-6 7/8		206.59		+8			0+72.50
		-8 7/8		208.59		+3			1+00
		-8 7/8		209.65		+3 1/8			1+14.46
		-8 1/2		211.96		-3 7/8			1+50
		-3 1/4		213.47		-3 7/8			1+79.46
		-3 7/8		214.30		-3 7/8			2+00
		-3 7/8		215.48		-3 7/8			2+44.46
		-3 3/8		215.58		-3 3/8			2+50
		-2 1/4		216.43		-2 1/4			3+00
		-2 1/4		217.28		-2 1/4			3+50
		-2 1/4		217.70		-2 1/4			3+74.96
				217.98					3+99.96
	+12 1/4			217.98		-2 1/8			4+00
	RT. 68 EXT.			217.97		RT. 68 EXT.			4+24.96
				217.81					4+50
				217.80					4+52.73

GOLDEN COURT

BANK LEFT		15'	7.5'	APPLIED GRADE	BANK RIGHT 7.5'	15'			STATION
	RT. 68 EXT.			217.80		RT. 68 EXT.			0+00
				217.99					0+27.98
		+7 1/2	+3 1/4	217.94	-2 1/2	-5			0+50
		+7 1/4	+3 7/8	217.59	-2 1/2	-5			0+67.98
	*	-5	-1 1/4	216.31	-1 1/4	-5	*		1+00
	*	"	"	215.86	"	"	*		1+07.98
	*	"	"	213.34	"	"	*		1+50
	*	"	"	210.34	"	"	*		2+00
	*	"	"	207.34	"	"	*		2+50
	*	"	"	205.84	"	"	*		2+74.96
	*	"	"	204.50	"	"	*		3+00
	*	"	"	203.47	"	"	*		3+24.96
	*	"	"	202.75	"	"	*		3+50
	*	"	"	202.34	"	"	*		3+74.96
	*	"	"	202.09	"	"	*		4+00
				201.76					4+33

BRIDGE STREET EXTENSION

BANK LEFT 18'	G		9'	APPLIED GRADE	BANK RIGHT 9'	6'	G	18'	STATION
	-3	*		199.01			-2 7/8	*	10+00
	-3 3/4	*		198.93			-3 3/4	*	10+19.45
	-5	*		199.01			-5	*	10+50
-5	*		-1 1/4	200.02	-1 1/4	*		-5	11+00
-5	*		-1 1/4	200.17	-1 1/4	*		-5	11+04.45
-5	*		-1 1/4	202.12	-1 1/4	*		-5	11+50
0	*		+5 7/8	204.54	-1 1/4	*		-4 7/8	11+89.45
+2			+1 1/8	205.28	-1 1/8	*		-4 1/4	12+00
+3 3/8			+1 3/4	207.18	-1 3/4			-3 1/2	12+27.18
+2 5/8	*		+1 1/2	208.78	-1 3/4			-3 5/8	12+50
-2 1/8	*		-3/8	212.28	-1 1/4	*		-5	13+00
-5	*		-1 1/4	215.78	-1 1/4	*		-5	13+50
"	*		"	219.28	"	*		"	14+00
"	*		"	222.78	"	*		"	14+50
"	*		"	226.28	"	*		"	15+00
"	*		"	229.78	"	*		"	15+50
"	*		"	233.28	"	*		"	16+00
"	*		"	236.78	"	*		"	16+50
"	*		"	240.28	"	*		"	17+00
-2 3/4	*		-5/8	240.98	-1 1/2	*		-5 3/4	17+10
+3/4			+3/8	242.39	-1			-2 1/4	17+35
+1 7/8			+3/4	242.90	-1			-2	17+50
	RT. 68 EXT.			243.10		RT. 68 EXT.			17+60
				243.48					17+84.79
				243.23					18+00
+5/8				243.07					18+10
+1/8				243.05					18+15
-1/2				243.13			-1/2		18+20
-5 5/8	*			243.42			-2 7/8	*	18+30
-8	*			243.64			-3	*	18+40
-8 3/8	*		-5/8	243.75		-1 5/8	*		18+50

SCHOOL STREET

BANK LEFT	G	14'	7.5'	APPLIED GRADE	BANK RIGHT 7.5'	14'	G		STATION
		-6 1/4	*	212.53		-7 1/8	*		0+49.04
		-6	*	212.44		-6 7/8	*		0+50
		+3		209.12		-10 5/8			0+95.27
		+4 1/4		208.87		-11			1+00
		+11		207.48		-11			1+41.50
		+11 3/8		207.34		-11 3/8			1+50
		+11 7/8		207.18		-11 3/4			1+59.50
		+12 1/4		206.89		-12 1/8			1+77.50
		+10 5/8		206.44		-10 5/8			1+37.50
		+10		206.37		-10			2+00
		+4 3/8		205.74		-6 1/4			2+17.50
		-4 1/8		204.39		-5	*		2+50
		-5 *	-1 1/4	202.33			-5	*	3+00
	-5	*		201.91			-5	*	3+09.98
	-6	*		200.71			-5	*	3+50
	-6 1/8	*		200.62			-5	*	3+54.98
	-8 1/4	*		200.45			-5 3/8	*	3+99.98
	-8 3/4	*		200.45			-5 3/4	*	4+00

GREENWOOD STREET CONNECTION

BANK LEFT	G	14'		APPLIED GRADE	BANK RIGHT	14'	G		STATION
		-10 1/2	*	233.89		-8	*		1+13.81
		-10 1/2	*	234.92		-8 1/4	*		1+25
		-5 1/4	*	236.69		-8 3/8	*		1+50
		+1 1/4		237.70		-8 3/8	*		1+75
		+2 1/8		237.87		-8 3/8	*		1+83.81
		+5 7/8		237.95		-8 3/8	*		2+00
		+9		237.45		-9 3/4			2+25
		+9 1/4		236.19		-11			2+50
		+9 1/4		235.93		-11 1/8			2+53.81
	+11 3/8			234.66			-12 3/4		2+72
	+14 3/8			234.46			-14 5/8		2+77
				234.54					2+82
				234.96					3+00

NOTES:

BANKS SHOWN ARE IN INCHES.

ROUTE 68 EXTENSION NORMAL CROSS SLOPE CARRIED THROUGH INTERSECTIONS.

"G" INDICATES GUTTER ELEVATION AT VARIABLE PAVEMENT WIDTH.

* INDICATES PARABOLIC CROSS SLOPE ON THAT SIDE OF ROADWAY.

PLAN		
Surveyed	EDWARDS, KELCEY AND BECK	1957
Plotted	EDWARDS, KELCEY AND BECK	1957
Traced	EDWARDS, KELCEY AND BECK	1957
Designed		
Note Const. Noted		
Top. Field Chk. noted		
NOTE BOOK NO.		

THIS SHEET NOT CORRECTED

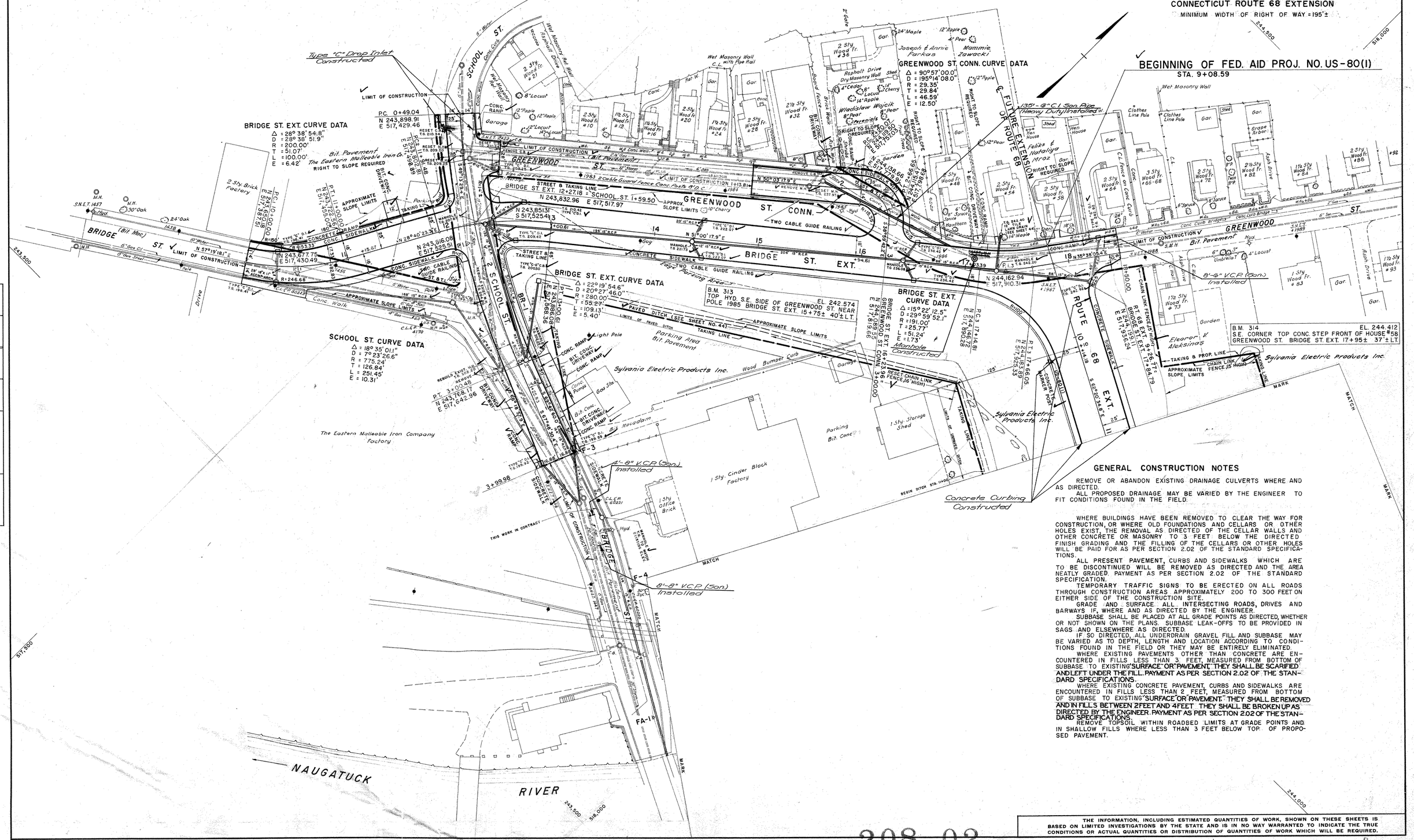
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

FORM NO. ENG. 11 ED. 8-54

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	9	88

CONNECTICUT ROUTE 68 EXTENSION

MINIMUM WIDTH OF RIGHT OF WAY = 195'±



GENERAL CONSTRUCTION NOTES

REMOVE OR ABANDON EXISTING DRAINAGE CULVERTS WHERE AND AS DIRECTED.

ALL PROPOSED DRAINAGE MAY BE VARIED BY THE ENGINEER TO FIT CONDITIONS FOUND IN THE FIELD.

WHERE BUILDINGS HAVE BEEN REMOVED TO CLEAR THE WAY FOR CONSTRUCTION, OR WHERE OLD FOUNDATIONS AND CELLARS OR OTHER HOLES EXIST, THE REMOVAL AS DIRECTED OF THE CELLAR WALLS AND OTHER CONCRETE OR MASONRY TO 3 FEET BELOW THE DIRECTED FINISH GRADING AND THE FILLING OF THE CELLARS OR OTHER HOLES WILL BE PAID FOR AS PER SECTION 2.02 OF THE STANDARD SPECIFICATIONS.

ALL PRESENT PAVEMENT, CURBS AND SIDEWALKS WHICH ARE TO BE DISCONTINUED WILL BE REMOVED AS DIRECTED AND THE AREA NEATLY GRADED. PAYMENT AS PER SECTION 2.02 OF THE STANDARD SPECIFICATION.

TEMPORARY TRAFFIC SIGNS TO BE ERECTED ON ALL ROADS THROUGH CONSTRUCTION AREAS APPROXIMATELY 200 TO 300 FEET ON EITHER SIDE OF THE CONSTRUCTION SITE.

GRADE AND SURFACE ALL INTERSECTING ROADS, DRIVES AND BARWAYS IF, WHERE AND AS DIRECTED BY THE ENGINEER.

SUBBASE SHALL BE PLACED AT ALL GRADE POINTS AS DIRECTED, WHETHER OR NOT SHOWN ON THE PLANS. SUBBASE LEAK-OFFS TO BE PROVIDED IN SAGS AND ELSEWHERE AS DIRECTED.

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.

WHERE EXISTING PAVEMENTS OTHER THAN CONCRETE ARE ENCOUNTERED IN FILLS LESS THAN 3 FEET, MEASURED FROM BOTTOM OF SUBBASE TO EXISTING "SURFACE" OR "PAVEMENT," THEY SHALL BE SCARIFIED AND LEFT UNDER THE FILL. PAYMENT AS PER SECTION 2.02 OF THE STANDARD SPECIFICATIONS.

WHERE EXISTING CONCRETE PAVEMENT, CURBS AND SIDEWALKS ARE ENCOUNTERED IN FILLS LESS THAN 2 FEET, MEASURED FROM BOTTOM OF SUBBASE TO EXISTING "SURFACE" OR "PAVEMENT," THEY SHALL BE REMOVED AND IN FILLS BETWEEN 2 FEET AND 4 FEET THEY SHALL BE BROKEN UP AS DIRECTED BY THE ENGINEER. PAYMENT AS PER SECTION 2.02 OF THE STANDARD SPECIFICATIONS.

REMOVE TOPSOIL WITHIN ROADBED LIMITS AT GRADE POINTS AND IN SHALLOW FILLS WHERE LESS THAN 3 FEET BELOW TOP OF PROPOSED PAVEMENT.

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PLAN		
Surveyed	EDWARDS, KELCEY AND BECK	1957
Plotted	EDWARDS, KELCEY AND BECK	1957
Traced	EDWARDS, KELCEY AND BECK	1957
Designed	EDWARDS, KELCEY AND BECK	1957
New Const. Noted		
Top. Field Chk. noted		
NOTE BOOK		
NO.		

"ARCHRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9028

87 78

208 02

9

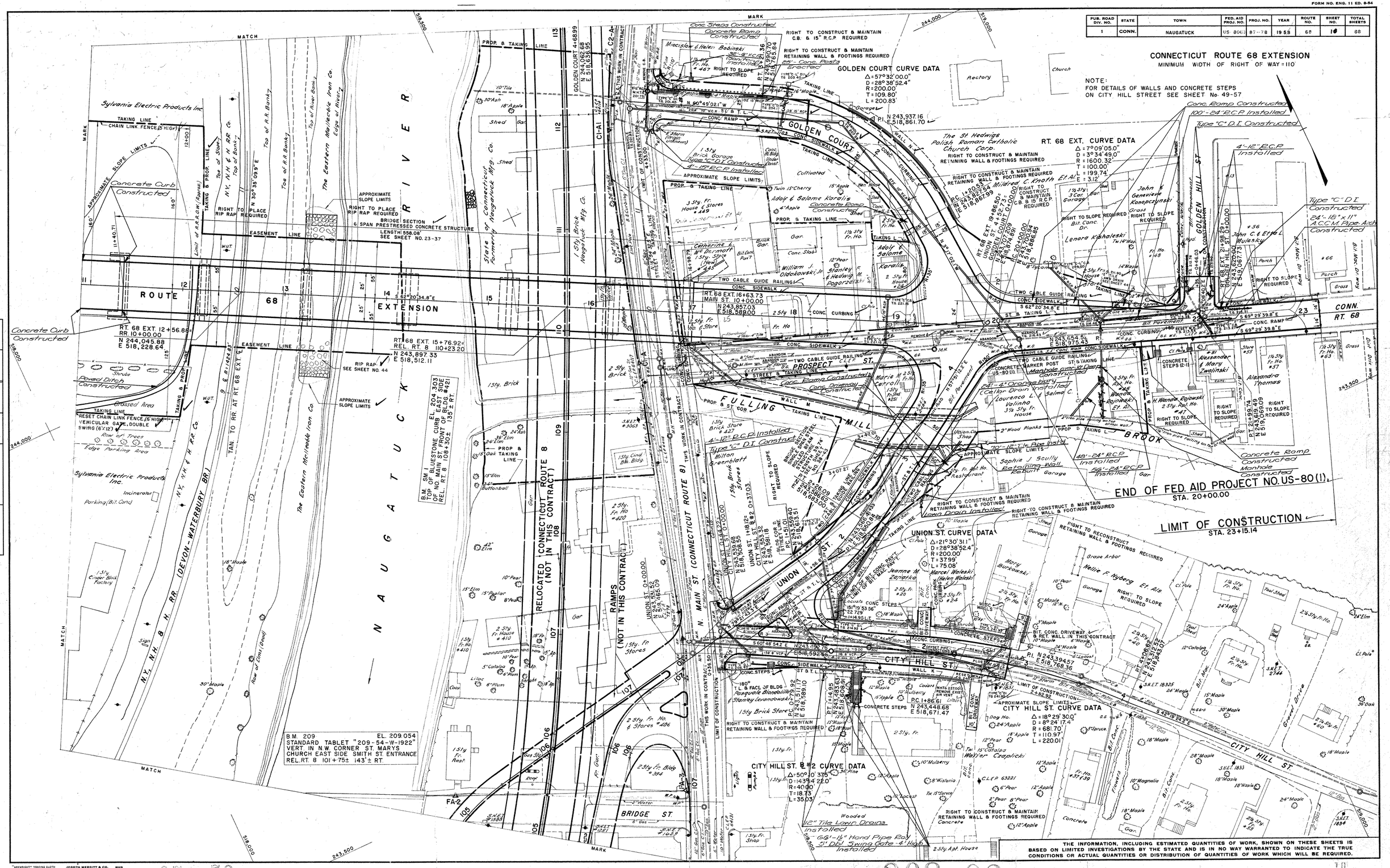
FORM NO. ENG. 11 ED. 8-54

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US 80(1)	87-78	1958	68	10	88

CONNECTICUT ROUTE 68 EXTENSION

MINIMUM WIDTH OF RIGHT OF WAY = 110'

NOTE:
FOR DETAILS OF WALLS AND CONCRETE STEPS ON CITY HILL STREET SEE SHEET No. 49-57



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PLAN		
	Surveyed	EDWARDS, KELCEY AND BECK 1957
	Plotted	EDWARDS, KELCEY AND BECK
	Traced	EDWARDS, KELCEY AND BECK
NOTE BOOK	Designed	EDWARDS, KELCEY AND BECK
NO.	New Const. Noted	
	Top. Field Chk. noted	

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9023

87 78

208 62

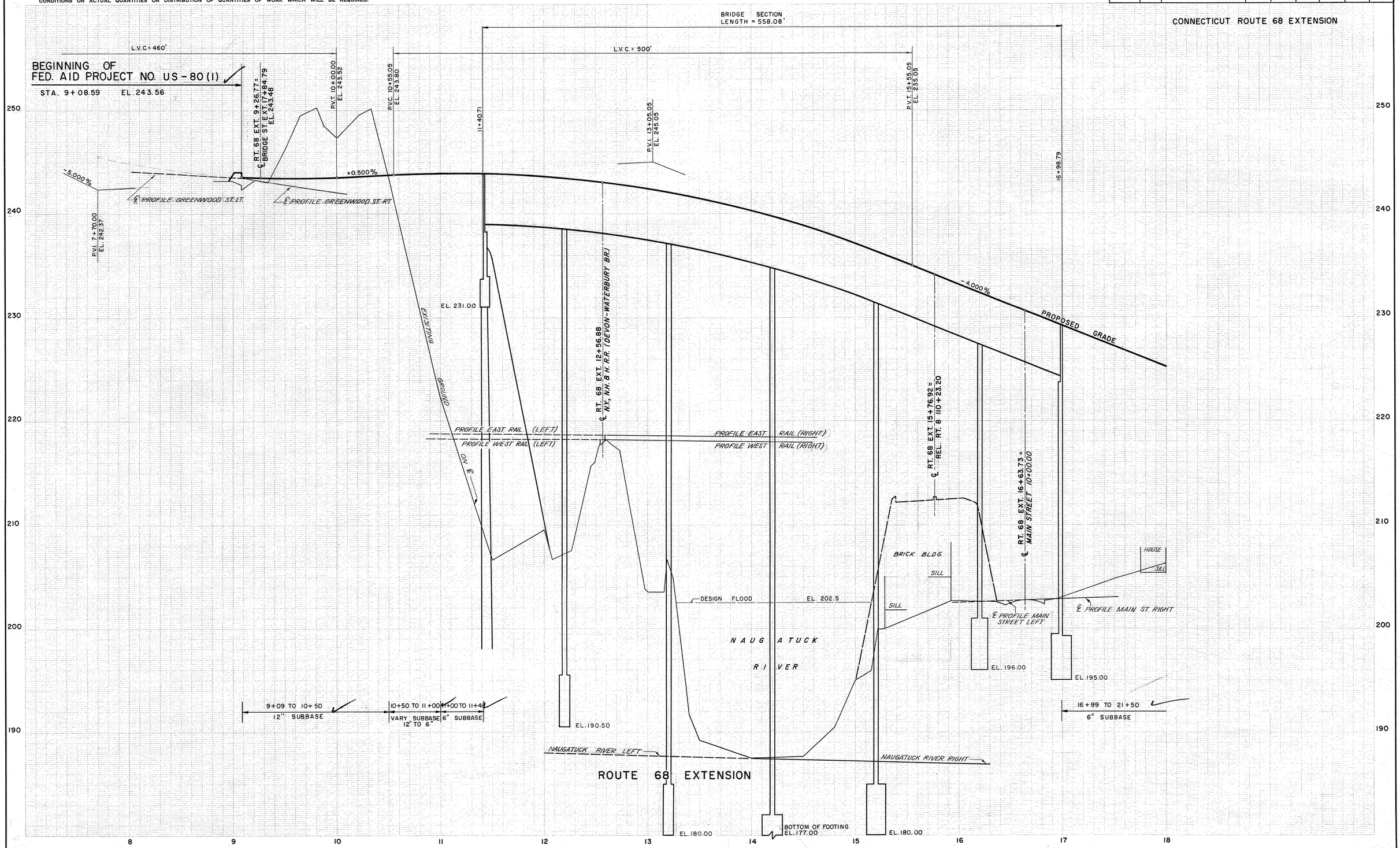
10

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. 3-49

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	11	88

CONNECTICUT ROUTE 68 EXTENSION



PROFILE		
Surveyed	EDWARDS, KELSEY AND BECK	1957
Plotted	EDWARDS, KELSEY AND BECK	1957
Traced	EDWARDS, KELSEY AND BECK	1957
Designed	EDWARDS, KELSEY AND BECK	1957
New Const. Noted	EDWARDS, KELSEY AND BECK	1957
Topo. Field Chk. noted		
NOTE BOOK		
NO. 8767 L.N.T.		

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9023

87 78

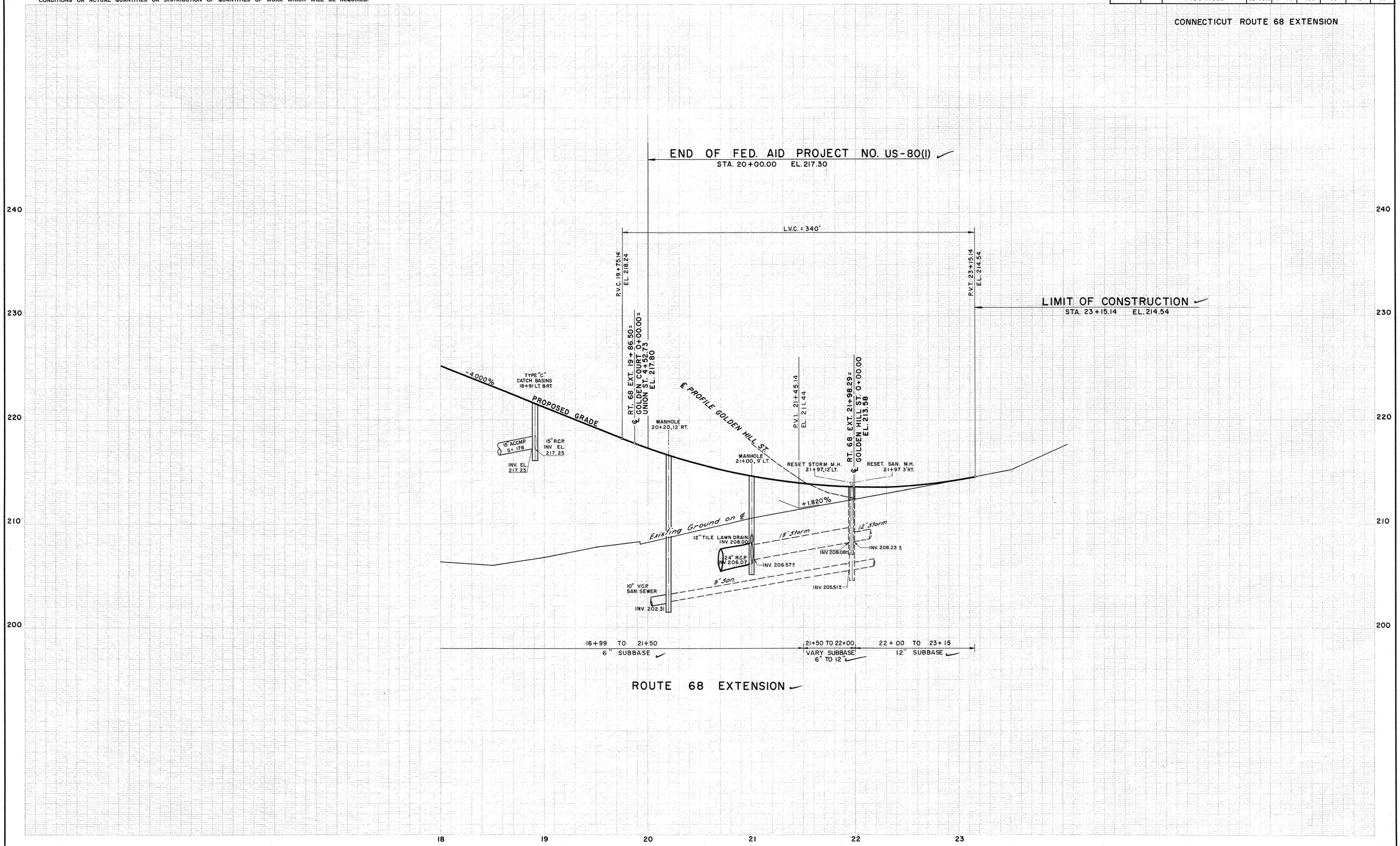
208 02

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.

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(I)	87-78	1958	68	12	88

CONNECTICUT ROUTE 68 EXTENSION



PROFILE		
Surveyed	EDWARDS, KELSEY AND BECK	1957
Plotted	EDWARDS, KELSEY AND BECK	1957
Traced	EDWARDS, KELSEY AND BECK	1957
Designed	EDWARDS, KELSEY AND BECK	1957
New Const. Noted		
Top. Field Chk. noted		
NOTE BOOK NO. 8767 L		

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9023

87 78

208 02

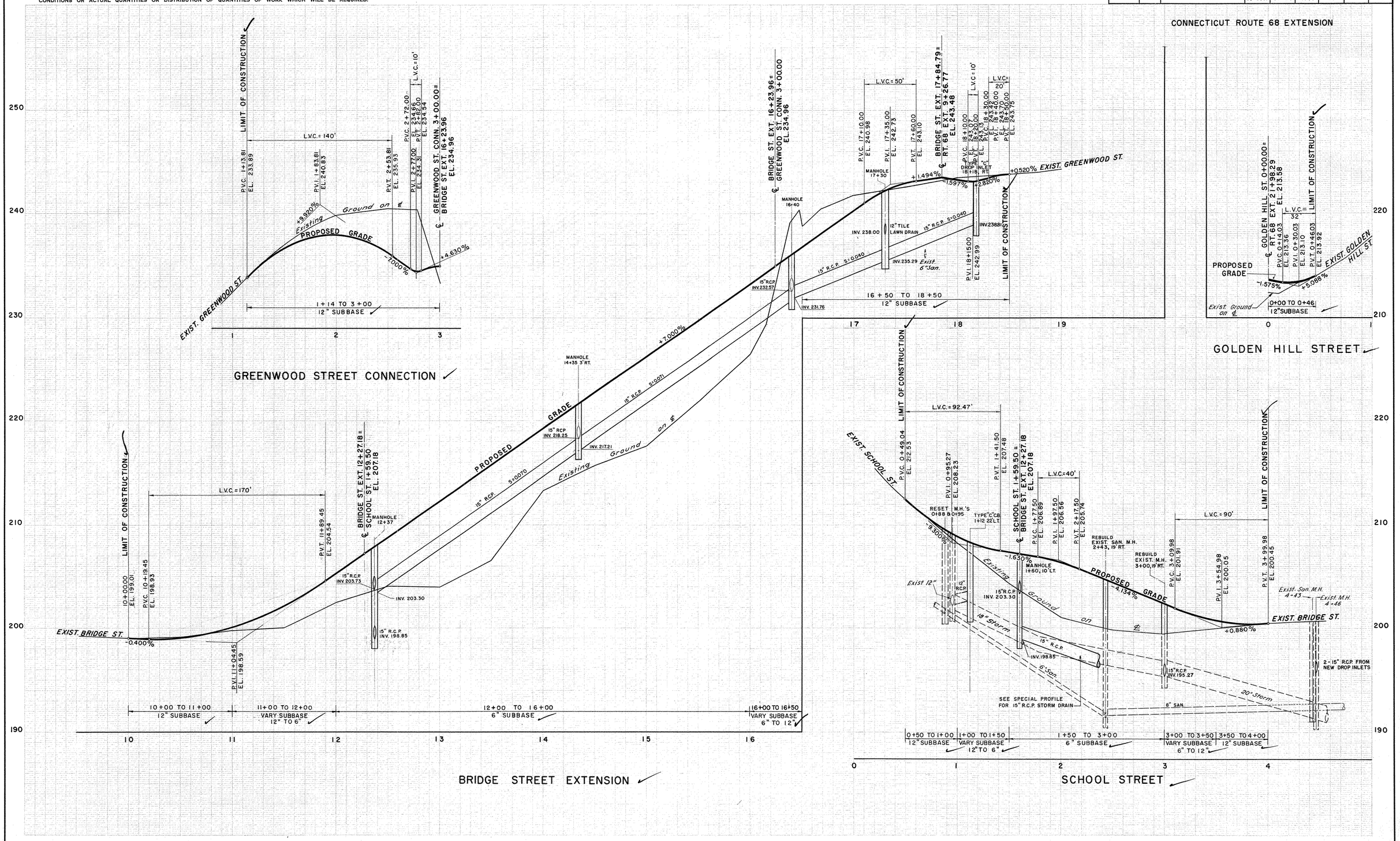
12

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. 3-49

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	13	86

PROFILE		
Surveyed	EDWARDS, KELCEY AND BECK	1957
Plotted	EDWARDS, KELCEY AND BECK	1957
Traced	EDWARDS, KELCEY AND BECK	1957
Designed	EDWARDS, KELCEY AND BECK	1957
New Const. Noted		
Top. Field Chk. noted		
NOTE BOOK		
NO. 8767 F.N.		



"ARAWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9689

87 78

208 02

13

FORM NO. ENG. 12 ED. 3-49

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	14	88

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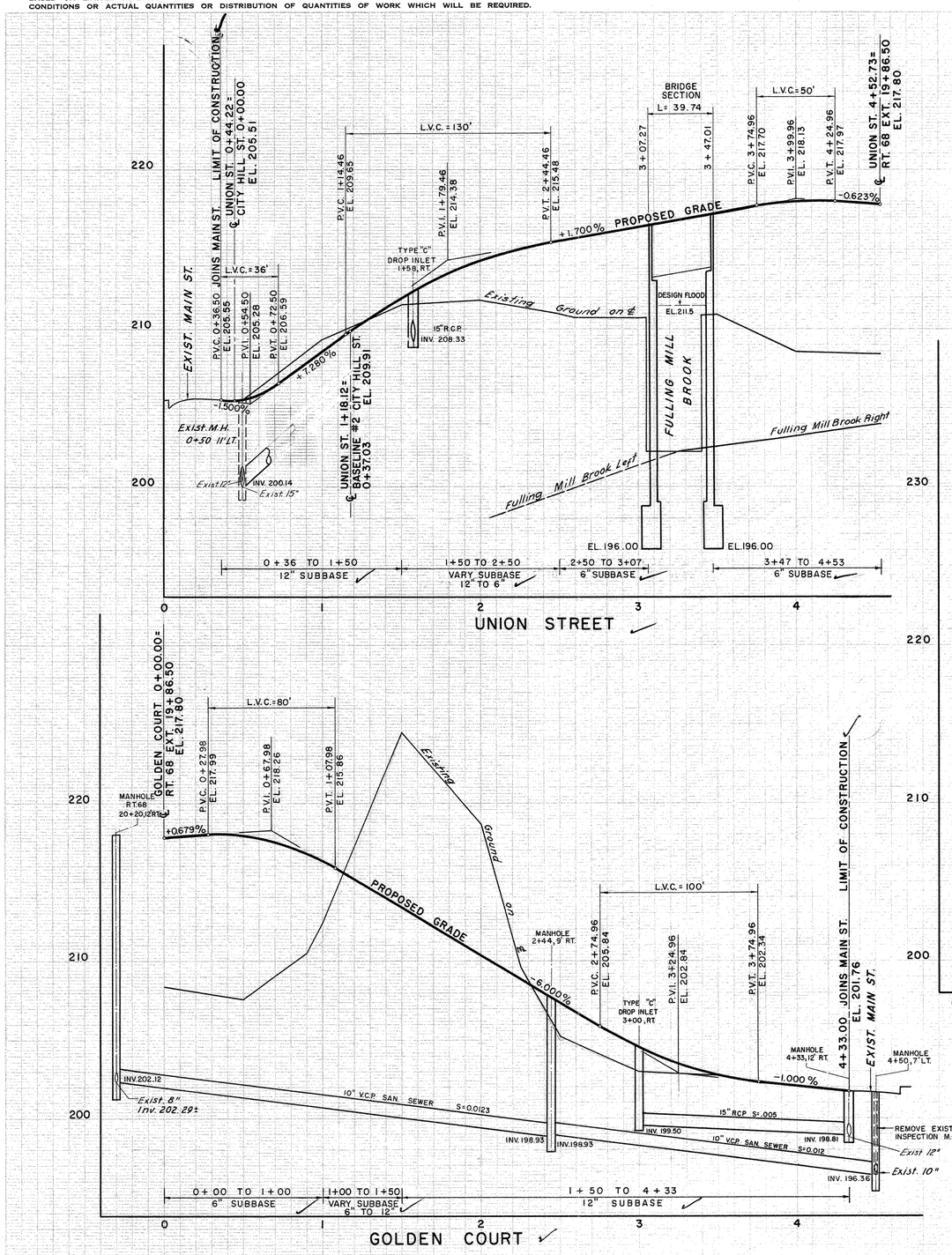
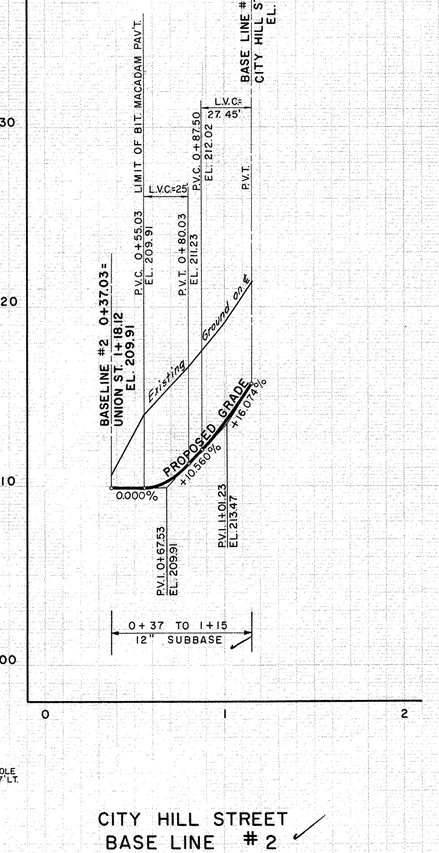
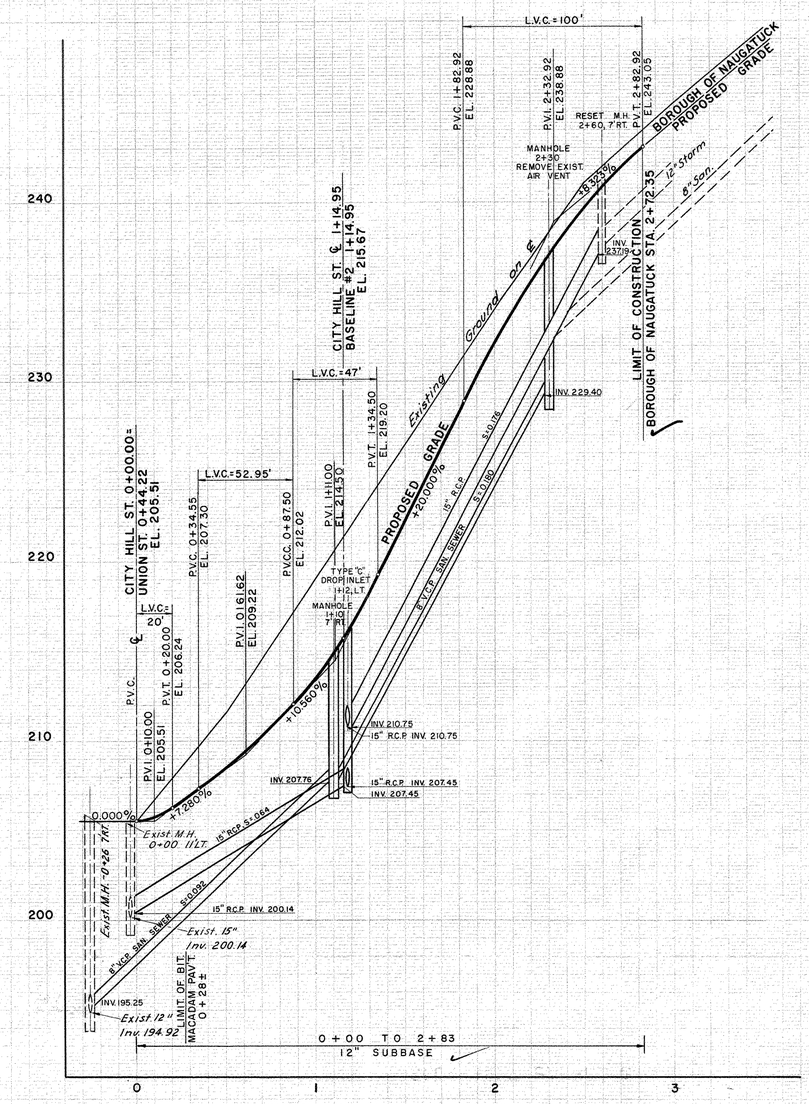
CONNECTICUT ROUTE 68 EXTENSION





CITY HILL STREET BASE LINE #2



CITY HILL STREET ℄

PROFILE		
Plotted	EDWARDS, KELCEY AND BECK	1957
Traced	EDWARDS, KELCEY AND BECK	1957
Designed	EDWARDS, KELCEY AND BECK	1957
New Const. Noted		
Top. Field Chk. noted		

NOTE BOOK NO. 8767 L. S.

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9069

87 78

208 02

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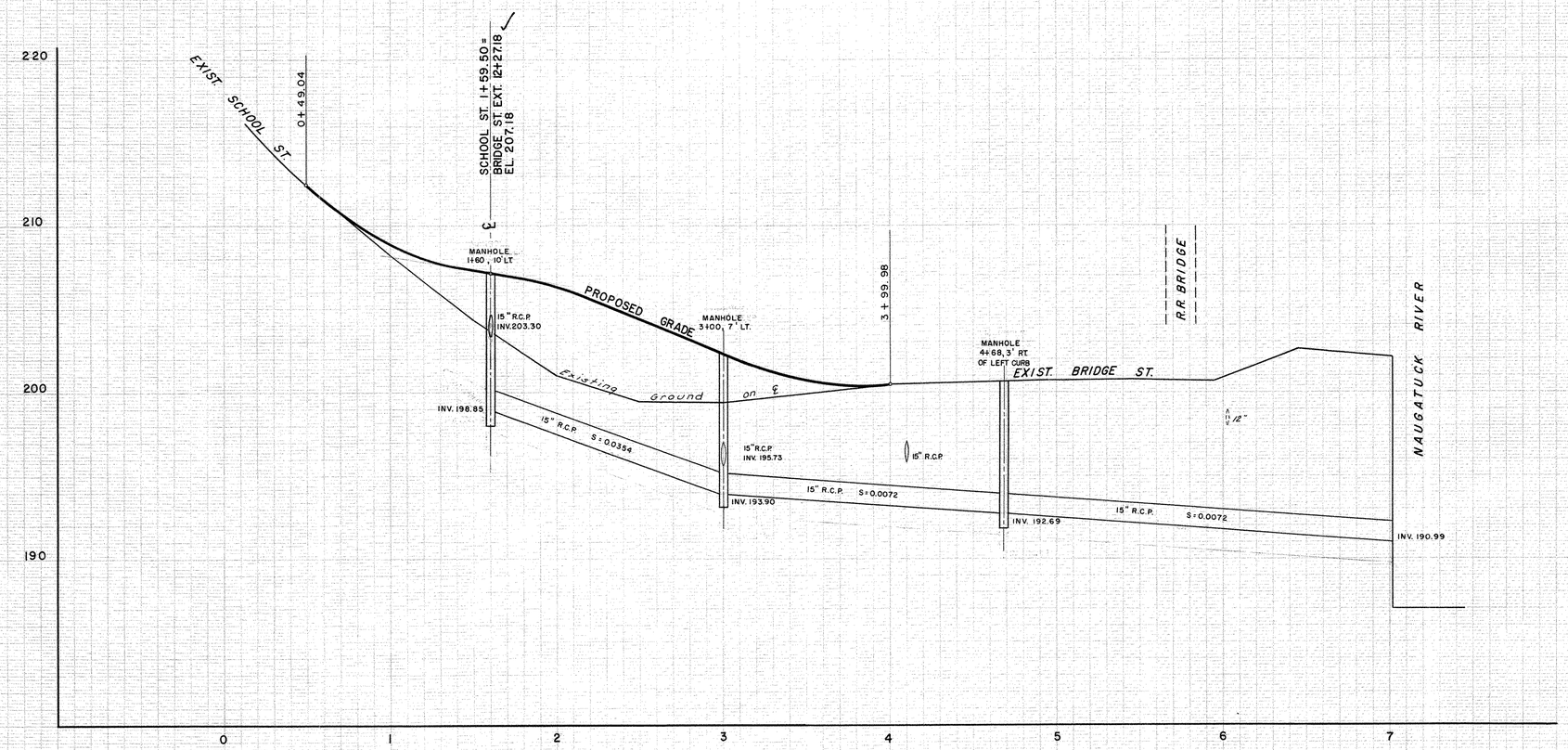
FORM NO. ENG. 12 ED. 3-49

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	15	68

CONNECTICUT ROUTE 68 EXTENSION



SCHOOL STREET – BRIDGE STREET
STORM DRAIN

PROFILE	
NOTE BOOK NO. 8767 A,N	Surveyed EDWARDS, KELCEY AND BECK 1957
	Plotted EDWARDS, KELCEY AND BECK 1957
	Traced EDWARDS, KELCEY AND BECK 1957
	Designed EDWARDS, KELCEY AND BECK 1957
	New Const. Noted
	Top. Field Chk. noted

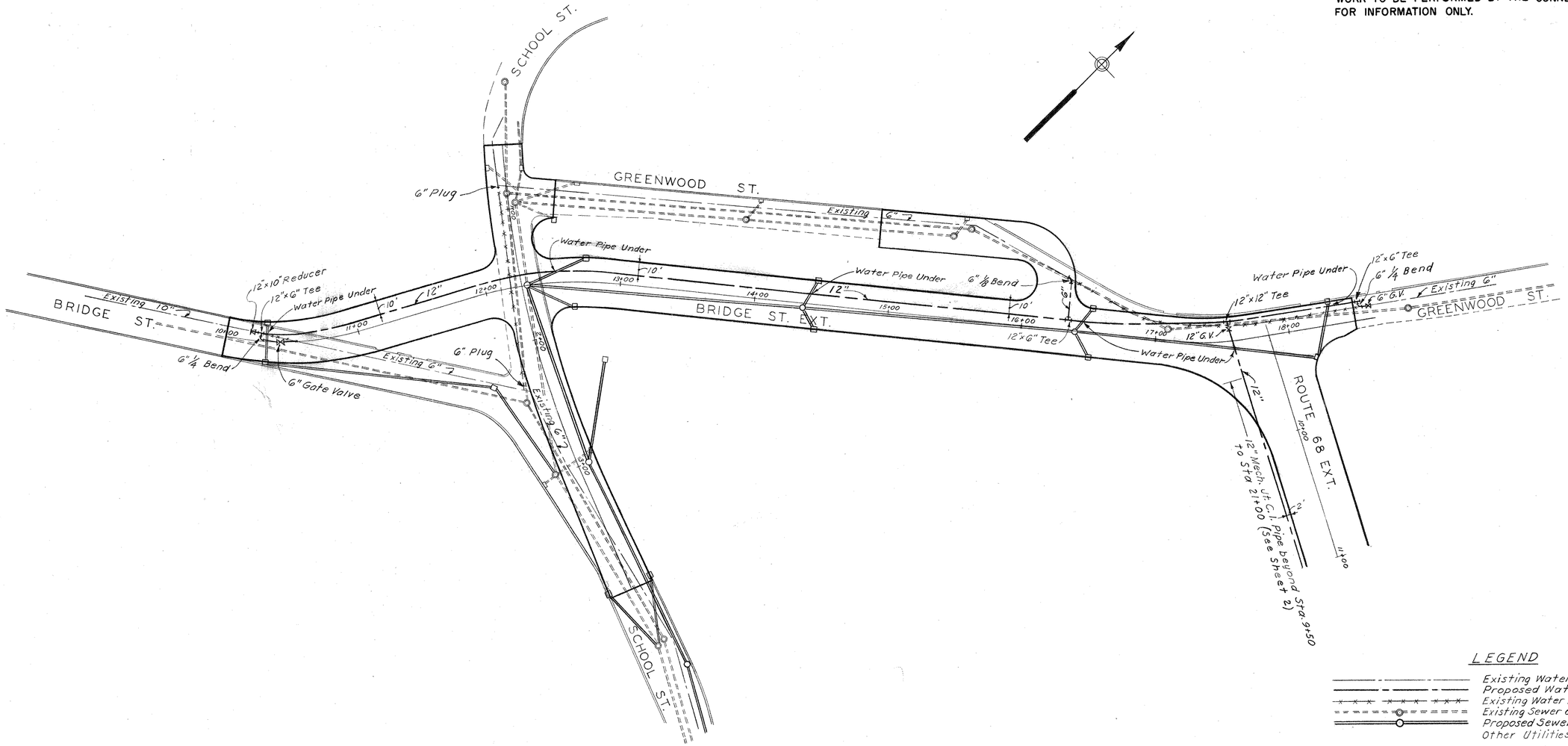
"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 9023

87 78

208 02

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	16	88

WORK TO BE PERFORMED BY THE CONNECTICUT WATER COMPANY.
FOR INFORMATION ONLY.



LEGEND

- Existing Water Pipe
- Proposed Water Pipe
- Existing Water Pipe to be abandoned
- Existing Sewer and Storm Drain
- Proposed Sewer and Storm Drain
- Other Utilities not shown

CONNECTICUT WATER COMPANY
NAUGATUCK DIVISION

ROUTE NO. 68 & UNION STREET BRIDGES

WATER PIPE RELOCATIONS

SCALE, 1" = 40'

AUGUST, 1957

METCALF & EDDY
ENGINEERS
BOSTON, MASS.

30336
H
15848

APPROVED
FOR METCALF & EDDY, ENGINEERS

E. Sherman Chase 8/12/57
REG. PROF. ENGR. 1066 DATE

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.

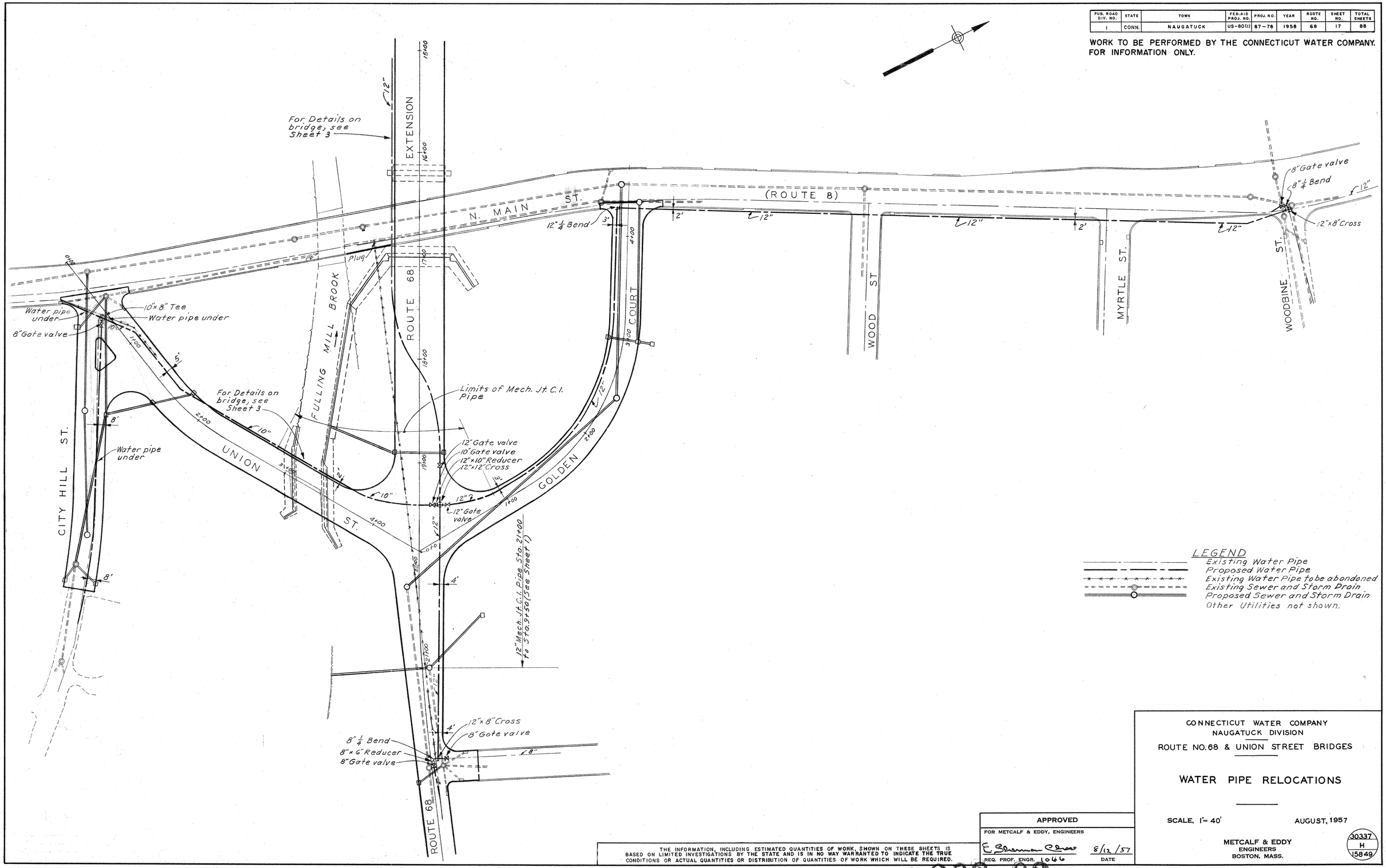
87 78

208 02

16 SHEET 1 OF 3

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-801(1)	87-78	1958	68	17	88

WORK TO BE PERFORMED BY THE CONNECTICUT WATER COMPANY.
FOR INFORMATION ONLY.



LEGEND
Existing Water Pipe
Proposed Water Pipe
Existing Water Pipe to be abandoned
Existing Sewer and Storm Drain
Proposed Sewer and Storm Drain
Other Utilities not shown.

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.

APPROVED
FOR METCALF & EDDY, ENGINEERS
E. Sherman Chase 8/12/57
REG. PROF. ENGR. 1066 DATE

CONNECTICUT WATER COMPANY
NAUGATUCK DIVISION
ROUTE NO. 68 & UNION STREET BRIDGES

WATER PIPE RELOCATIONS

SCALE, 1" = 40' AUGUST, 1957

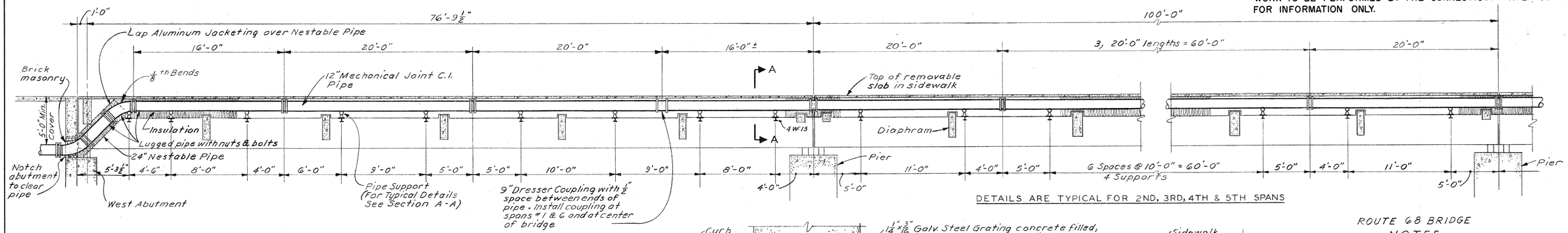
METCALF & EDDY
ENGINEERS
BOSTON, MASS.

30337 H 15849

87 78 208 02 17 SHEET 2 OF 3

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	18	88

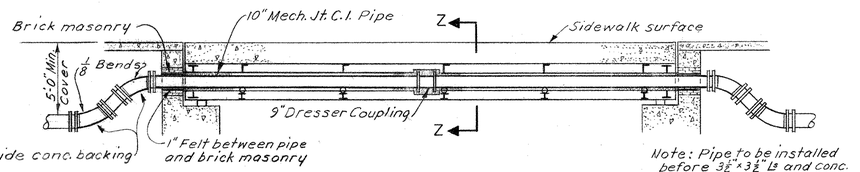
WORK TO BE PERFORMED BY THE CONNECTICUT WATER COMPANY.
FOR INFORMATION ONLY.



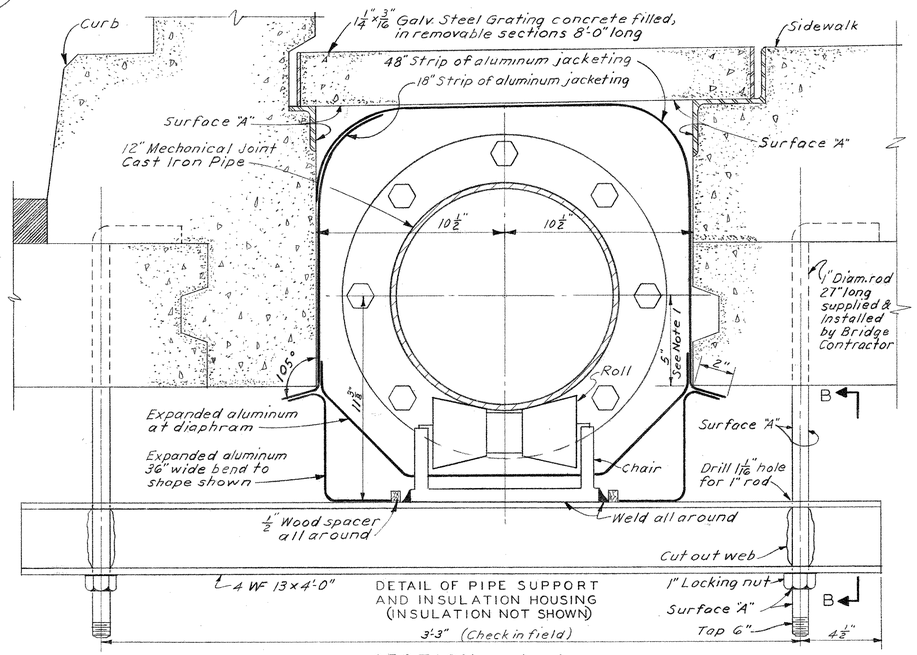
DETAILS ARE TYPICAL FOR 1ST & 6TH SPANS

DETAILS ARE TYPICAL FOR 2ND, 3RD, 4TH & 5TH SPANS

ROUTE NO. 68 BRIDGE
SECTION ON SOUTH OUTSIDE BAY
SCALE: 1" = 5'-0"



UNION STREET BRIDGE
SECTION ON WEST OUTSIDE BAY
SCALE: 1" = 5'-0"



DETAIL OF PIPE SUPPORT AND INSULATION HOUSING (INSULATION NOT SHOWN)

SECTION A-A
SCALE: 3" = 1'-0"

ROUTE 68 BRIDGE
NOTES

1. Ajust elevations of all 4 WF13's after pipe is in place so that each support has approximately equal load.

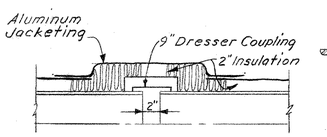
2. Cover upper half of pipe bells, chairs, 4 WF's and metal surfaces "A" with heavy coat of bituminous trowling mastic. Allow mastic to harden before placing adjacent materials.

3. Place fiberglass under pipe and to top of expanded aluminum before installing aluminum jacketing.

4. Lap adjacent peices of aluminum jacketing at least 4".

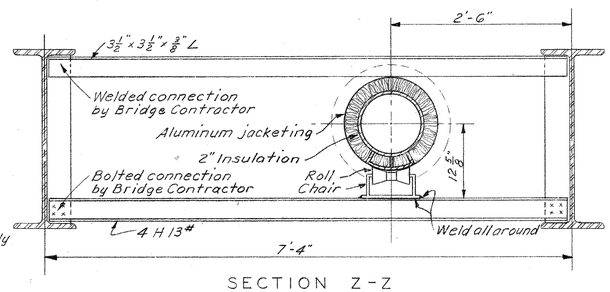
MATERIALS

1. 13.0# H-Beam 4' long - 58 req'd.
2. Class 150 Mechanical Joint C.I. Pipe - 26 lengths of 20', 2 lengths of 16', 4 B&B ⅛ Bends req'd.
3. 12" Dresser Coupling 9" long - 3 req'd
4. Pipe Supports to be Carpenter & Paterson.
   Pipe Roll #3 Fig. 67 in C.&P. Catalogue - 58 req'd.
   Steel Chair #3 Fig. 39 " " " " - 58 req'd.
5. Penn Metal Expanded Aluminum to be ½" No. 13-36" wide. 80 - 8 ft sections req'd.
6. Childers corrugated Aluminum Jacketing with moisture barrier attached 0.019 thick - 6 - 100' rolls of 48" 0.019 thick req'd - 3 - 100' rolls of 36" 0.020 thick req'd.
7. Armco Interchangeable Nestable Pipe Asbestos Bonded - 16' of 24" Diam. req'd.
8. Aluminum nuts & bolts ¼" diam ½" long - 750 req'd.
9. Steel self-locking Nuts 1" diam. - 116 req'd.
10. Fiberglass Pouring Wool Insulation - 130 Bags req'd.
11. Bituminus Trowling Mastic.



LONGITUDINAL SECTION
AT DRESSER COUPLING
NO SCALE

Note: All aluminum to be permanently separated from other metal by bituminous trowling mastic.



SECTION Z-Z
SCALE: 1" = 1'-0"

UNION STREET BRIDGE

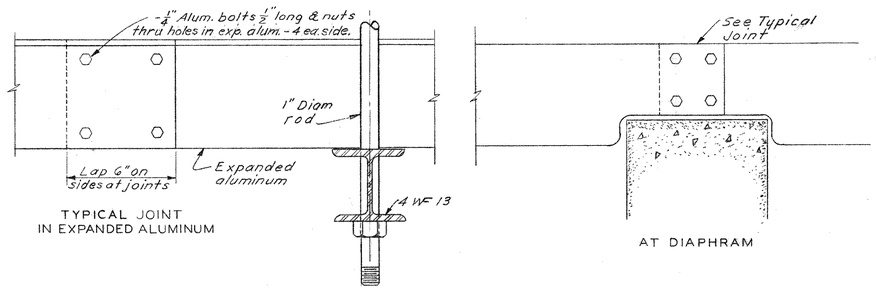
MATERIALS

1. Class 150 Mechanical Joint C. I. Pipe - 2 lengths of 20' pipe, 4 - ⅛ bends.

2. Pipe Supports to be Carpenter and Paterson
   Pipe covering protection saddle for 10" pipe & 2" covering - 5 req'd.
   Pipe Roll #2 Fig. 67 in Carpenter and Paterson Catalogue - 5 req'd.
   Steel Chair #2 Fig. 39 " " " " " - 5 req'd.

3. Insulation to be Fiberglass Standard Pipe Insulation - 39' req'd.

4. Childers corrugated Aluminum Jacketing with moisture barrier attached and aluminum straps. Lap joints at least 4". 54' of 48" width, 0.019" thickness req'd.



TYPICAL JOINT
IN EXPANDED ALUMINUM

AT DIAPHRAM

SECTION B-B
SCALE: 3" = 1'-0"

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.

APPROVED
FOR METCALF & EDDY, ENGINEERS
R. Norman Grace — 8/12/57
REQ. PROF. ENGR. 1066 — DATE

CONNECTICUT WATER COMPANY
NAUGATUCK DIVISION
ROUTE NO. 68 & UNION STREET BRIDGES

WATER PIPE CROSSINGS

DETAILS

SCALE, AS SHOWN — AUGUST, 1957

METCALF & EDDY
ENGINEERS
BOSTON, MASS.

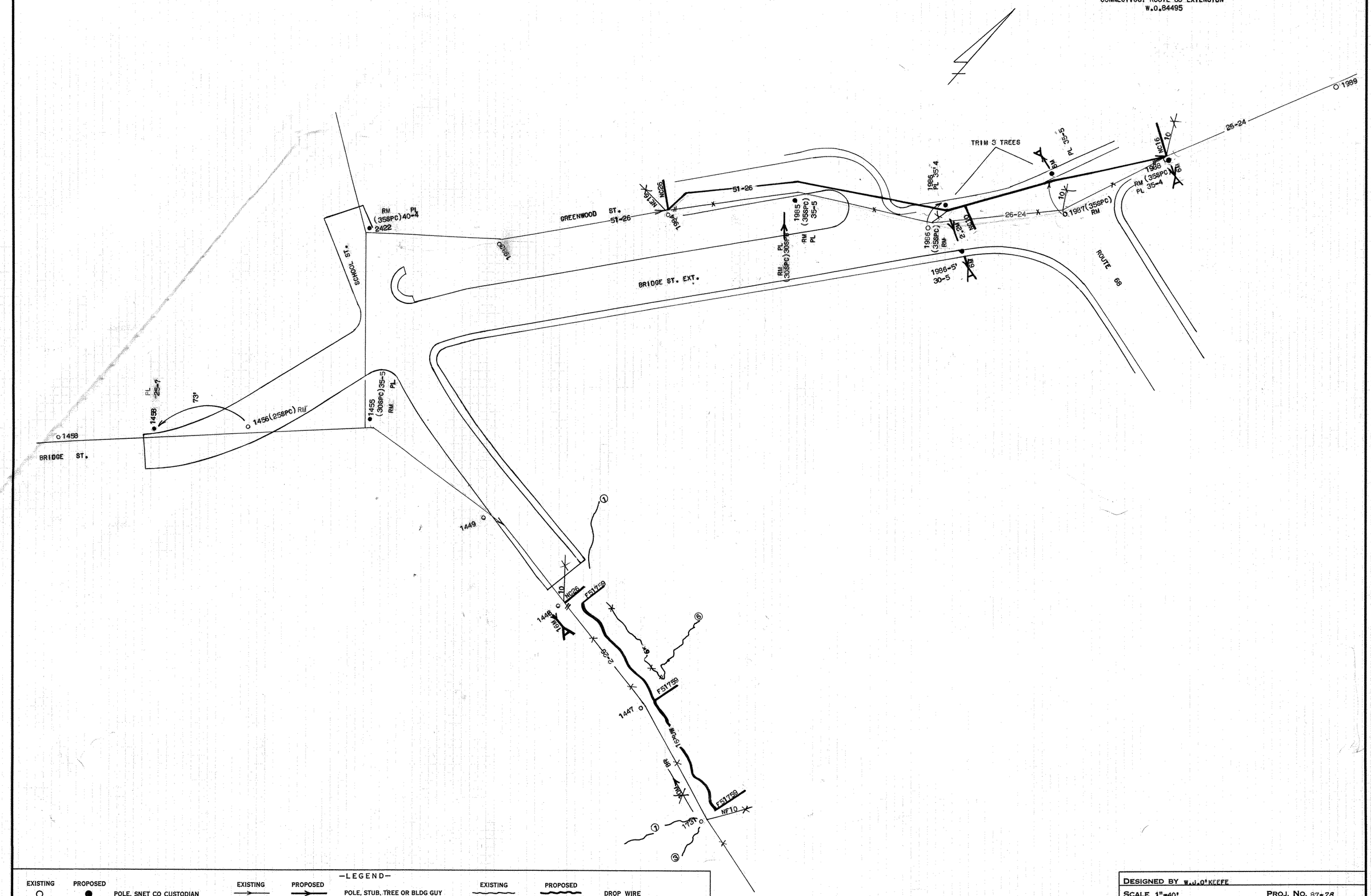
30338 H 15850

87 78 — 208 02 — 18 — SHEET 3 OF 3

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	19	88

WORK TO BE PERFORMED BY THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY. FOR INFORMATION ONLY.

RELOCATION OF TELEPHONE PLANT
BRIDGE STREET EXTENSION
CONNECTICUT ROUTE 68 EXTENSION
W.O.84495



—LEGEND—

EXISTING	PROPOSED	
○	●	POLE, SNET CO CUSTODIAN
×	×	POLE, E.L. CO CUSTODIAN
○	●	POLE, REPLACED & RELOCATED
		ANCHOR GUY

EXISTING	PROPOSED	
		POLE, STUB, TREE OR BLDG GUY
TEL. EL.	TEL. EL.	DOUBLE ANCHOR & SNET CO GUY (EL. CO. TO PLACE OWN STRAND)
		ANCHOR GUY TO BE REMOVED
		CONDUIT & MANHOLE

EXISTING	PROPOSED	
		DROP WIRE
16 —51-22—	16 —51-22—	CABLE (51 PAIR 22 GAUGE), WITH 16 PAIR TERMINAL

RM = REMOVE, PL = PLACE, REL = RELOCATE

DESIGNED BY W.J. O'KEEFE	
SCALE 1"=40'	PROJ. NO. 87-78
MADE BY W.J. O'KEEFE	DATE JUNE 14, 1957
CHECKED BY W.J. O'KEEFE	DATE JUNE 14, 1957
APPROVED J.L. MC GUINESS	DATE JUNE 14, 1957
TITLE SUPERVISING ENGINEER	

K+E PHOENIX N166 TRACING CLOTH 18300

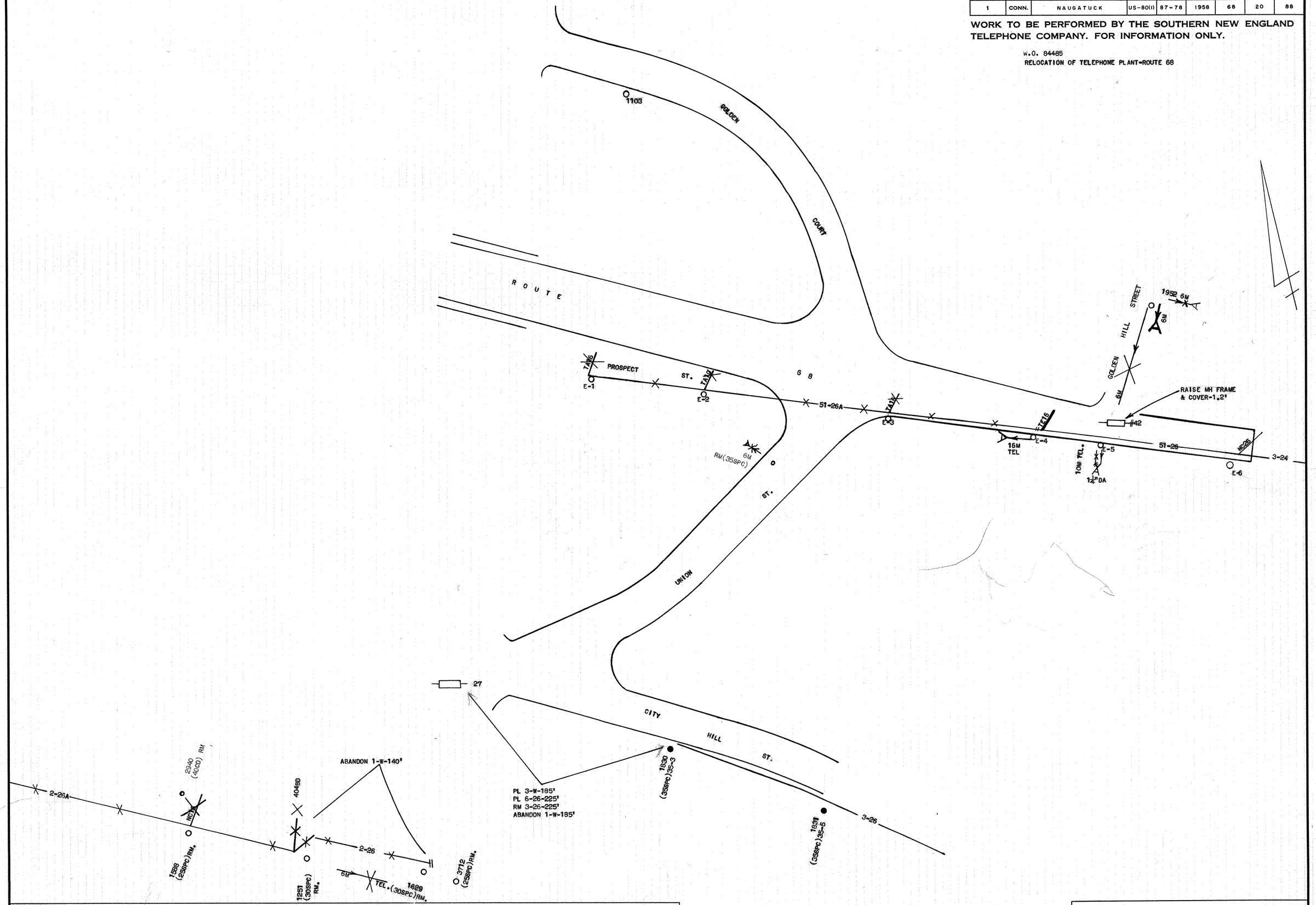
87 78

208 02

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	20	88

WORK TO BE PERFORMED BY THE SOUTHERN NEW ENGLAND TELEPHONE COMPANY. FOR INFORMATION ONLY.

W.O. 84485
RELOCATION OF TELEPHONE PLANT-ROUTE 68



—LEGEND—

EXISTING	PROPOSED	
○	●	POLE, SNET CO CUSTODIAN
×	×	POLE, E. L. CO CUSTODIAN
○	●	POLE, REPLACED & RELOCATED
		ANCHOR GUY
	TEL. / EL.	DOUBLE ANCHOR & SNET CO GUY (EL. CO. TO PLACE OWN STRAND)
		ANCHOR GUY TO BE REMOVED
		CONDUIT & MANHOLE
		POLE, STUB, TREE OR BLDG GUY
		DROP WIRE
51-22	51-22	CABLE (51 PAIR 22 GAUGE), WITH 16 PAIR TERMINAL

RM = REMOVE. PL = PLACE. REL = RELOCATE

DESIGNED BY W.J.O'KEEFE	
SCALE 1"=40'	PROJ. NO. 87-78
MADE BY W.J.O'KEEFE	DATE 6/14/57
CHECKED BY W.J.O'KEEFE	DATE 6/14/57
APPROVED J.L.MCGUINNESS	DATE 6/14/57
TITLE SUPERVISING ENGINEER	

K+E PHOENIX N168 TRACING CLOTH 18300

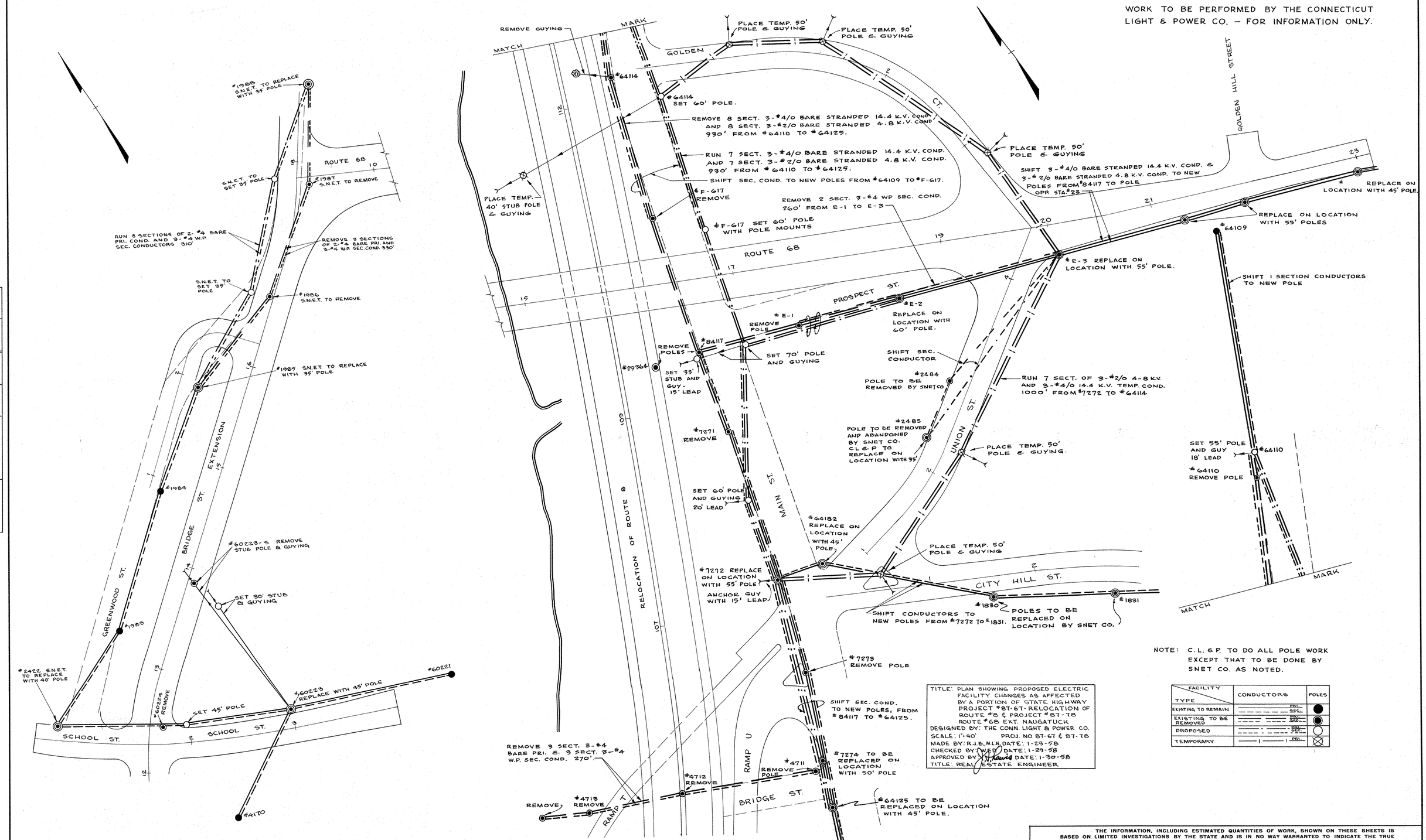
87 78

208 02

FORM NO. ENG. 11 ED. 8-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8065	87-78	1958	68	21	88

WORK TO BE PERFORMED BY THE CONNECTICUT LIGHT & POWER CO. – FOR INFORMATION ONLY.



NOTE: C.L. & P. TO DO ALL POLE WORK EXCEPT THAT TO BE DONE BY SNET CO. AS NOTED.

FACILITY / TYPE	CONDUCTORS	POLES
EXISTING TO REMAIN	PRI. SEC.	●
EXISTING TO BE REMOVED	PRI. SEC.	◉
PROPOSED	PRI. SEC.	○
TEMPORARY	PRI.	⊗

TITLE: PLAN SHOWING PROPOSED ELECTRIC FACILITY CHANGES AS AFFECTED BY A PORTION OF STATE HIGHWAY PROJECT #87-67-RELOCATION OF ROUTE #8 & PROJECT #87-78 ROUTE #68 EXT. NAUGATUCK
DESIGNED BY: THE CONN. LIGHT & POWER CO.
SCALE: 1"=40' PROJ. NO. 87-67 & 87-78
MADE BY: R.J.B., M.L.H. DATE: 1-23-58
CHECKED BY: W.E.D. DATE: 1-29-58
APPROVED BY: [illegible] DATE: 1-30-58
TITLE: REAL ESTATE ENGINEER

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

PLAN	
Surveyed	
Plotted	
Traced	
NOTE BOOK	Design'd.
	Const. Noted.
	Rev. Const. Noted.
NO.	Top. Field Clk. Noted.

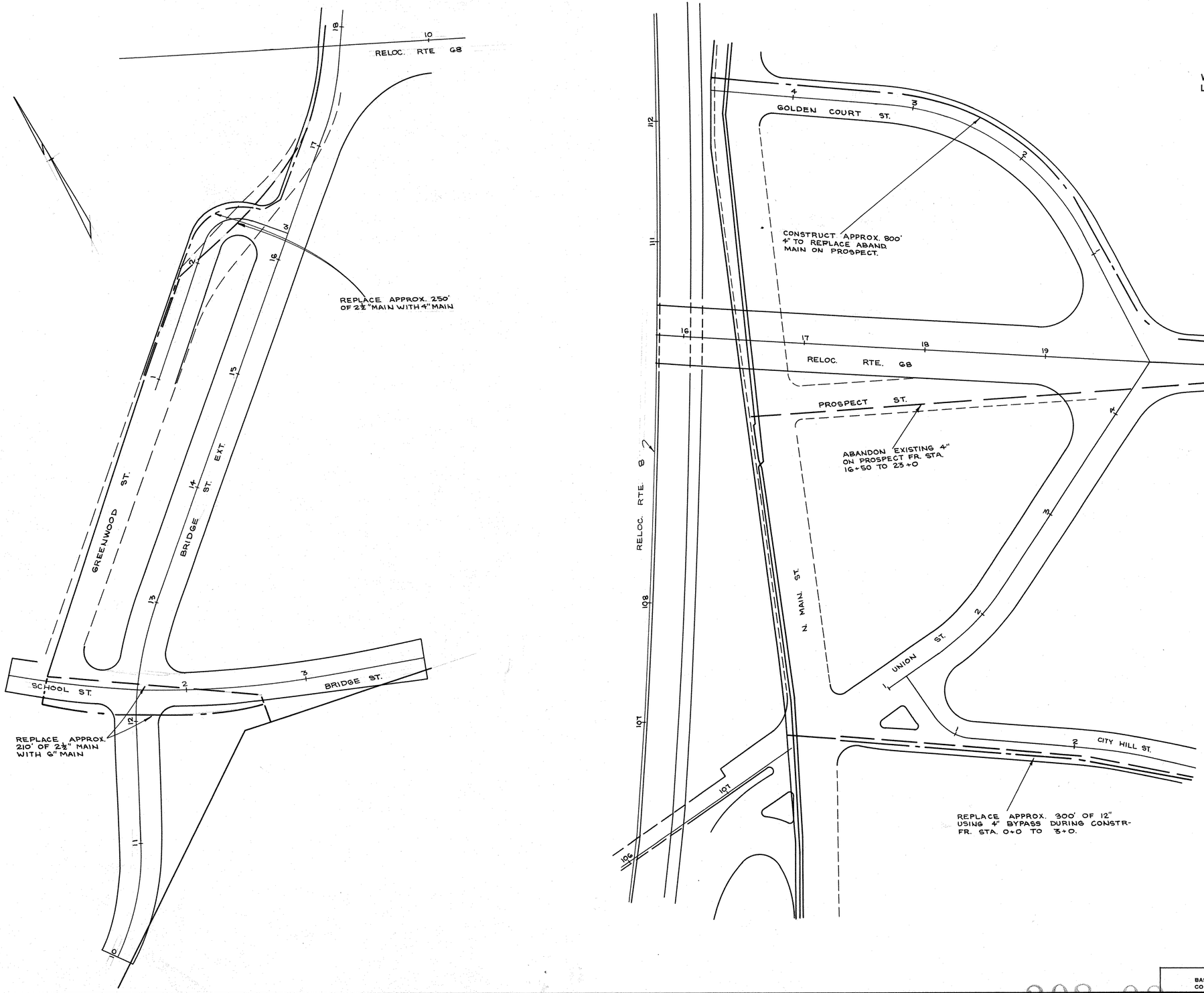
"LEKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 14964

87 78

208 02

FORM NO. ENG. 11 ED. 8-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-801)	87-78	1958	68	22	88



WORK TO BE PERFORMED BY THE CONNECTICUT LIGHT & POWER CO. FOR INFORMATION ONLY.

TITLE: PLAN SHOWING GAS FACILITY CHANGES AS AFFECTED BY A PORTION OF STATE HIGHWAY PROJECT #87-G1 - RELOCATION OF ROUTE #8 & PROJECT 87-78, RT. 68 EXT., NAUGATUCK
DESIGNED BY: THE CONN. LIGHT & POWER CO.
SCALE: 1"=40' PROJ. NO. 87-G1 & 87-78
MADE BY: F.M.L. DATE: 9-25-57
CHECKED BY: [illegible] DATE: 10-14-57
APPROVED BY: [illegible] DATE: 10-14-57
TITLE: REAL ESTATE ENGINEER

LEGEND OF GAS FACILITIES

EXISTING TO REMAIN	———
TO BE CONSTRUCTED	— · —
EXISTING TO BE ABANDONED	— — —

PLAN
NOTE BOOK NO.
Surveyed. Plotted. Traced. Designed. New Const. Noted. Top. Field Chk. Noted.

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

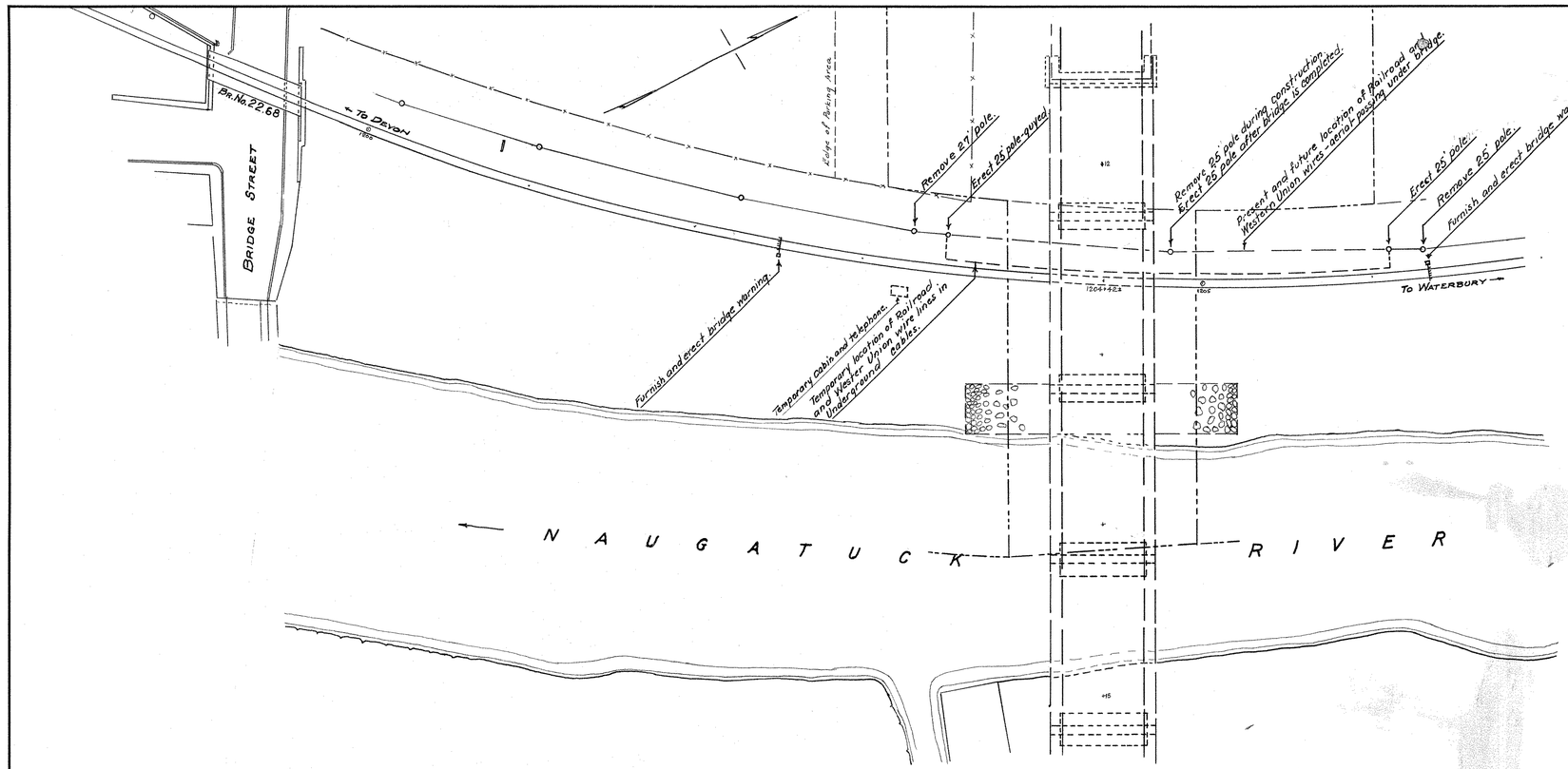
"XXXHEIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 14994

87 78 208 02

FORM NO. ENG. 15 ED 11-52

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	22-A	88

WORK TO BE PERFORMED BY THE N.Y., N.H. & H. RR. CO.
FOR INFORMATION ONLY.



RAILROAD WORK

Care of Railroad and Western Union wires during and after construction.
Install, maintain and remove telephone.
Erect, maintain and remove cabin.
Furnish and erect bridge warnings.
Engineering, inspection and accounting.

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

NAUGATUCK, CONN.
EXTENSION OF ROUTE 68
Nov. 25, 1957
Dec. 23, 1957

BR. No. 22.78

DESIGNED BY
SCALES 1" = 40'
MADE BY R. S. Powelson DATE 11/25/57
CHECKED BY A. P. Brown DATE 12/23/57
APPROVED G. P. Elliott DATE 12/23/57

PROJECT NO.
BRIDGE SHEET NO.
OF

"ARCHRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 18291

87 78

208 02

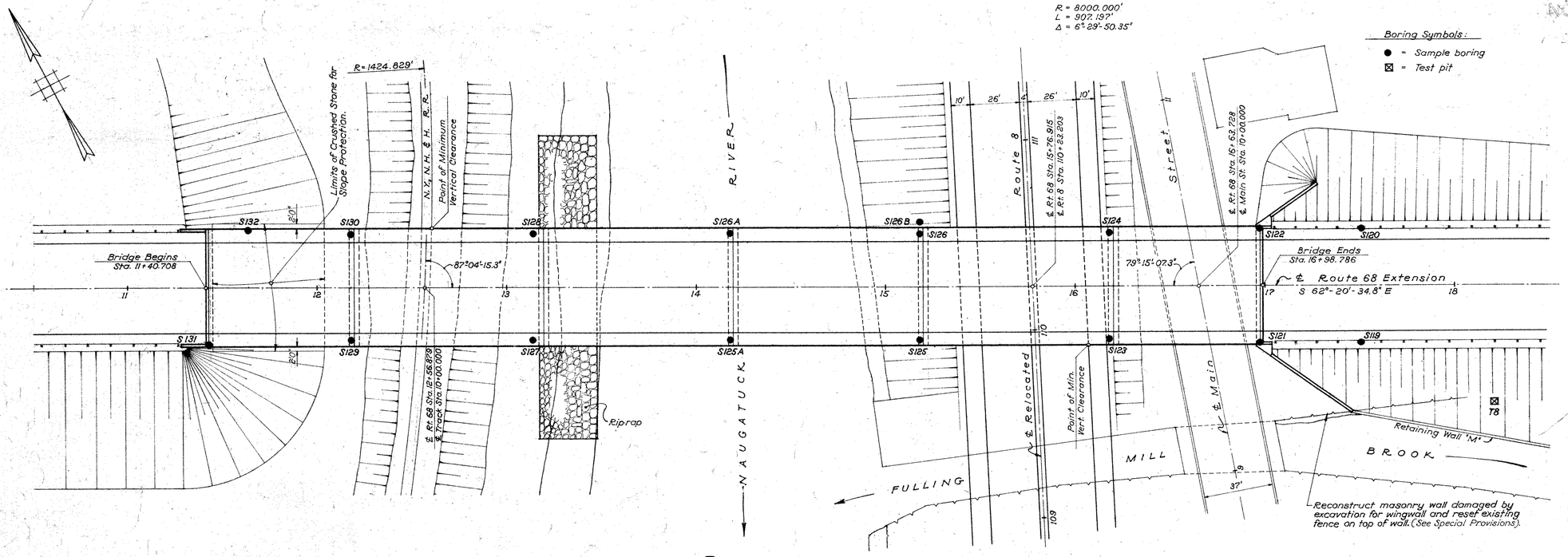
NAUGATUCK, CONN. - EXTENSION OF ROUTE 68 - O.H. BR. NO. 22.78 22-A
SCALE 1" = 40' DEC. 23, 1957

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	23	88

NO REVISIONS SUBMITTED FOR THIS SHEET

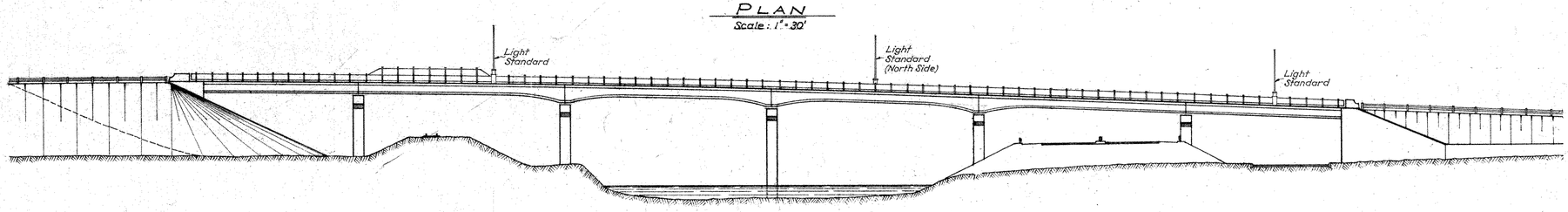
Rt. 8 Curve Data:
R = 8000.000'
L = 907.197'
Δ = 6°-29'-50.35"

Boring Symbols:
● = Sample boring
⊠ = Test pit

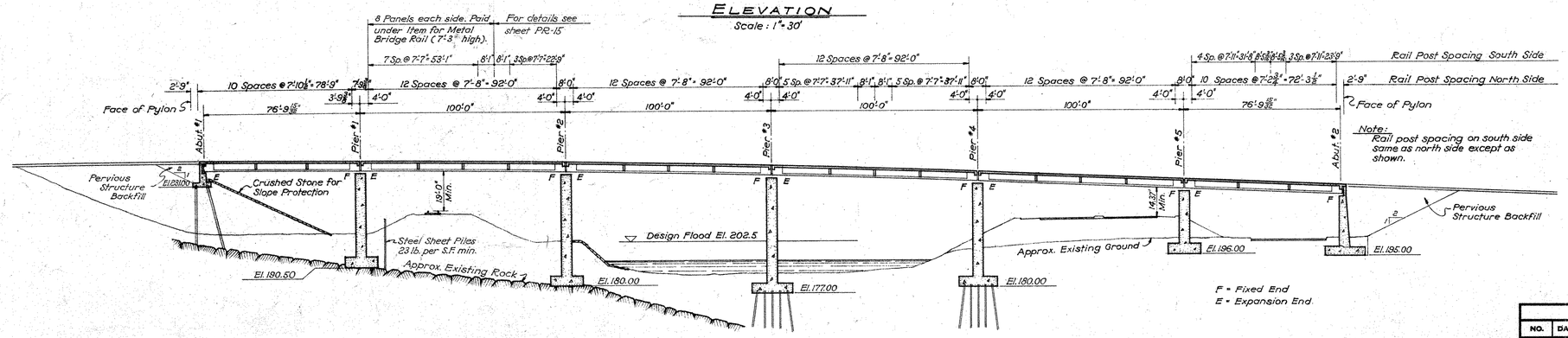


PLAN
Scale: 1" = 30'

Note:
For finished pavement Elevations see sheet PR-15



ELEVATION
Scale: 1" = 30'



Note:
Rail post spacing on south side same as north side except as shown.

F = Fixed End
E = Expansion End

LONGITUDINAL SECTION
Scale: 1" = 30'

INDEX OF BRIDGE DRAWINGS

SHEET NO.	TITLE
PR-1	GENERAL PLAN
PR-2	PROFILES AND GENERAL NOTES
PR-3	BORINGS
PR-4	ABUTMENT #1 AND WINGWALLS
PR-5	ABUTMENT #2
PR-6	WINGWALLS
PR-7	PIERS #1 AND #5
PR-8	PIERS #2, #3 AND #4
PR-9	FRAMING PLAN
PR-10	PRESTRESSED GIRDERS
PR-11	PRESTRESSED GIRDERS
PR-12	TRANSVERSE SECTION AND RAILING DETAILS
PR-13	EXPANSION DAM
PR-14	DRAINAGE
PR-15	LIGHTING

FED. AID PROJ. US-80(1)

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER
GENERAL PLAN

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY EDWARDS, KELCEY AND BECK
SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY G.A.M. DATE 1957
APPROVED William L. Hanavan DATE 1957
PROJECT NO. 87-78
BRIDGE SHEET NO. PR-1 OF 15

C. B. CO., NO. 294 409-3

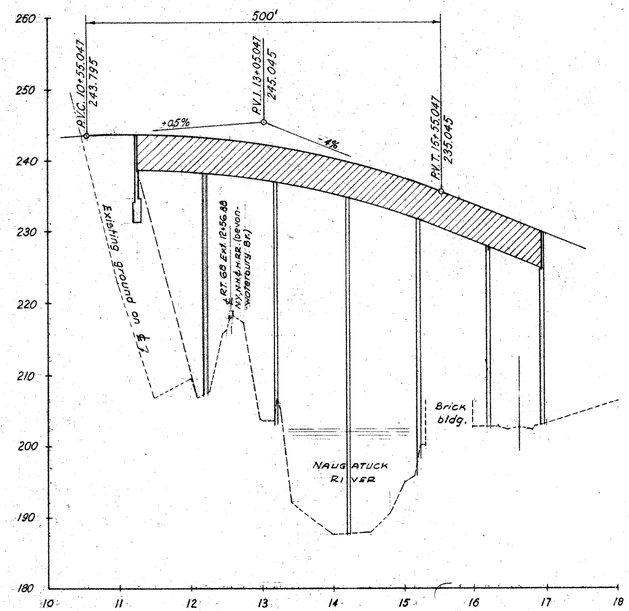
87 78

208 02

NA-8D-18 23

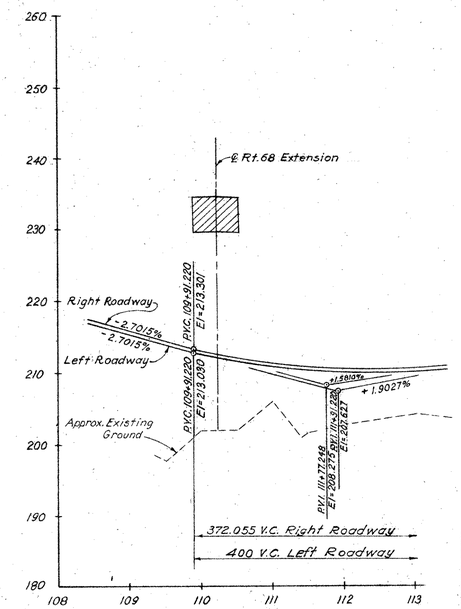
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1956	68	24	65

NO REVISIONS SUBMITTED FOR THIS SHEET



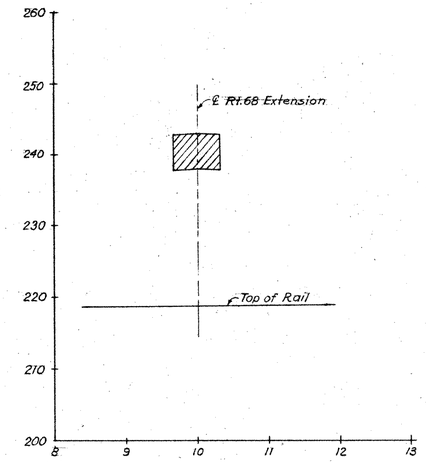
ROUTE 68 EXTENSION PROFILE

Scale: Hor. 1"=100'~Vert. 1"=10'



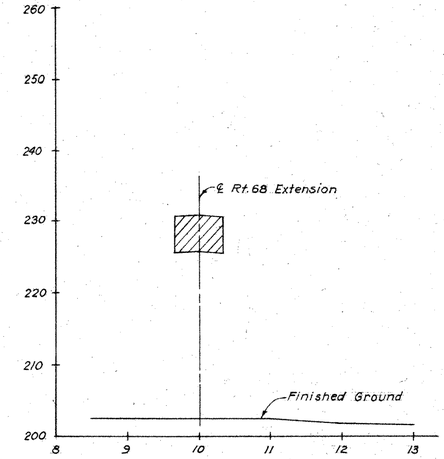
RELOCATED ROUTE 8 PROFILE

Scale: Hor. 1"=100'~Vert. 1"=10'



N.Y. N.H. & H. R.R. PROFILE

Scale: Hor. 1"=100'~Vert. 1"=10'



MAIN ST. PROFILE

Scale: Hor. 1"=100'~Vert. 1"=10'

GENERAL NOTES

SPECIFICATIONS: Connecticut State Highway Department Form 808-January 1955 as supplemented by Special Provisions.
Standard Specifications for Highway Bridges (AASHO-1953) except as supplemented by Connecticut State Highway Department Standard Bridge Details for Contracting Engineers (February 1956).
U.S. Department of Commerce, Bureau of Public Roads Criteria for Prestressed Concrete Bridges, 1954.
American Welding Society Specifications for Welded Highway and Railroad Bridges incl. latest revisions.

LIVE LOAD: H20-S16-44

DEAD LOAD: Allowance for future pavement 25 lbs per sq. ft. of roadway.

CONCRETE: Class "A" Concrete shall be used throughout (see Special Provisions); except for 1) Prestressed Girders, (see Spec. Prov.) & 2) Conc. Filled Grid Floor (see Spec. Prov.)
CAST-IN-PLACE CONCRETE shall have a 28-day cylinder strength of 3000 psi (see Special Provisions.).

PRECAST CONCRETE shall have a 28-day cylinder strength of 5000 psi. The minimum compressive strength of concrete at the transfer of prestress shall be 4000 psi (see Special Provisions).

DEFORMED STEEL BARS: Deformations to conform to A.S.T.M. A-305.

PRETENSIONING STEEL: Individual tendons for pre-tensioning shall consist of seven-wire cable strands which have a nominal diameter of 3/8 inch. (see Special Provisions).

TAR PAPER: The cost of furnishing and placing 2 layers of 3-ply tar paper at the backwalls shall be included in item for Class "A" Concrete.

PRESTRESSED GIRDERS: TABLE OF STRESSES
(Notation according to B.P.R. "Criteria for Prestressed Concrete Girders")

Concrete:
f'_c = 5000 psi, f'_{ci} = 4000 psi
f_c = 2000 psi
f_c = 200 psi (tension due to temporary loads)
f_c = 0 psi (tension under dead, live and impact loads)

Steel: 3/8" ϕ Pretensioning strands
f_s = 250,000 psi (min. ultimate stress)
f_s = 140,000 psi (allowable)

Post-tensioning strands:
f'_s = 200,000 psi (Min. ultimate stress)
0.6 f'_s = allowable stress

POST-TENSIONING STEEL: The proposed type of tendons to be used for post-tensioning, all necessary additional details, including those for end-anchorages, methods to be employed and procedures to be followed shall be approved by the Engineer.
After the securing of the end-anchorage oil tendons shall be pressure grouted in their conduits in accordance with the "Criteria for Prestressed Bridges" (see Special Provisions).

HANDLING PRESTRESSED CONCRETE BEAMS: When the pre-tensioned beam sections or the post-tensioned girders are handled, they shall be lifted by the devices provided in the top flanges at the ends of the sections or girders. The lifting forces shall be applied in a vertical direction only (see Special Provisions).

PAINTING: For shop and field painting of Structural Steel and Metal Bridge Rail, see Special Provisions.

JOINT SEAL: Joint Seal shall be included in the item for Class "A" Concrete. (see Special Provisions for Class "A" Concrete).

EXPOSED EDGES: Exposed Edges shall be beveled 1"x1" unless otherwise dimensioned.

QUANTITIES: Quantities are approximate only and do not relieve the Contractor of the responsibility of checking them in preparing his bid.
The item "Structure Excavation (Complete)" applies to Abutments #1 & #2, and Piers #1 & #5.
The items "Cofferdam and Pumping" and "Structure Excavation" (excluding Cofferdam and Pumping) apply to Piers #2, #3 and #4.

QUANTITIES

ITEM NO	QUANTITY	UNIT	ITEM
7A	1850	C.Y.	Structure Excavation (Complete)
63 A	200	L.F.	6" ACCM. Pipe
64	168	L.F.	6" Perforated ACCM. Pipe
129 A	1	Ea.	Test Pile (12BP53, 25'-0" Length)
130 A	2	Ea.	Test Pile (12BP53, 50'-0" Length)
141	251,500	Lb.	Furnishing Steel Piles
145 A	4,750	L.F.	Driving Steel Piles
151 A	132	Ea.	Point Reinforcement for Steel Piles
163A	4850	C.Y.	Class "A" Concrete
164A	310	L.F.	Prestressed Girders, Type "A"
164B	1390	L.F.	Prestressed Girders, Type "B"
164C	400	L.F.	Prestressed Girders, Type "C"
164D	800	L.F.	Prestressed Girders, Type "D"
164E	2785	L.F.	Prestressed Girders, Type "E"
164F	400	L.F.	Prestressed Girders, Type "F"
174	180	S.F.	1/2" Premoulded Bituminous Joint Filler for Bridges.
175	6	S.F.	1 1/2" Premoulded Bituminous Joint Filler for Bridges.
182A	7	C.Y.	Cement Rubble Masonry
188	315,000	Lb.	Deformed Steel Bars
191	32,000	Lb.	Structural Steel
195A	1000	S.F.	Concrete Filled Steel Grid Floor
199	540	S.Y.	Dampproofing
206A	1008	L.F.	Metal Bridge Rail (4'-1" high)
208	3180	C.Y.	Pervious Structure Backfill
235	440	Ton	Dense Graded Bituminous Concrete
319A	273	Ton	Crushed Stone for Slope Protection
344A	25	L.F.	2" Rigid Steel Conduit
345A	525	L.F.	2 1/2" Rigid Steel Conduit
351 A	670	L.F.	Two Conductor Cable #6, Lighting
352A	4	Ea.	Junction Box, Cast Metal
353A	3	Ea.	Lighting Standard, 25' High, 6' Bracket
357A	3	Ea.	Luminaire, Lamp & Ballast-21,000 Lumens
155A	270	L.F.	Copper Drainage Trough
159A	14	Ea.	Bridge Scupper
160A	60	L.F.	4" Copper Pipe
161A	240	L.F.	6" Wrought Iron Pipe
162A	60	L.F.	4" Cast Iron Pipe
206B	122	L.F.	Metal Bridge Rail (7'-3" High)
8	2100	C.Y.	Structure Ex. (Excl. Cofferdam and Pumping)
156A	444	L.F.	Cofferdam and Pumping
152A	30,400	Lb.	Steel Sheet Piles (If ordered left in place)
153	0.20	M.B.F.	Timber sheet Piles.

CONCRETE DISTRIBUTION

Footings	1214	C.Y.
Substructure	2853	C.Y.
Superstructure	783	C.Y.
Total	4850	C.Y.

NOTE:
The Class "A" Concrete for Prestressed Girders is not included in the Concrete Distribution.

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER

PROFILES AND GENERAL NOTES

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY G.A.M. DATE 1957
APPROVED William L. Hayward DATE 1957

PROJECT NO. 87-78
BRIDGE SHEET NO. PR-2 OF 15

C. B. CO., NO. 954 40998 409-4

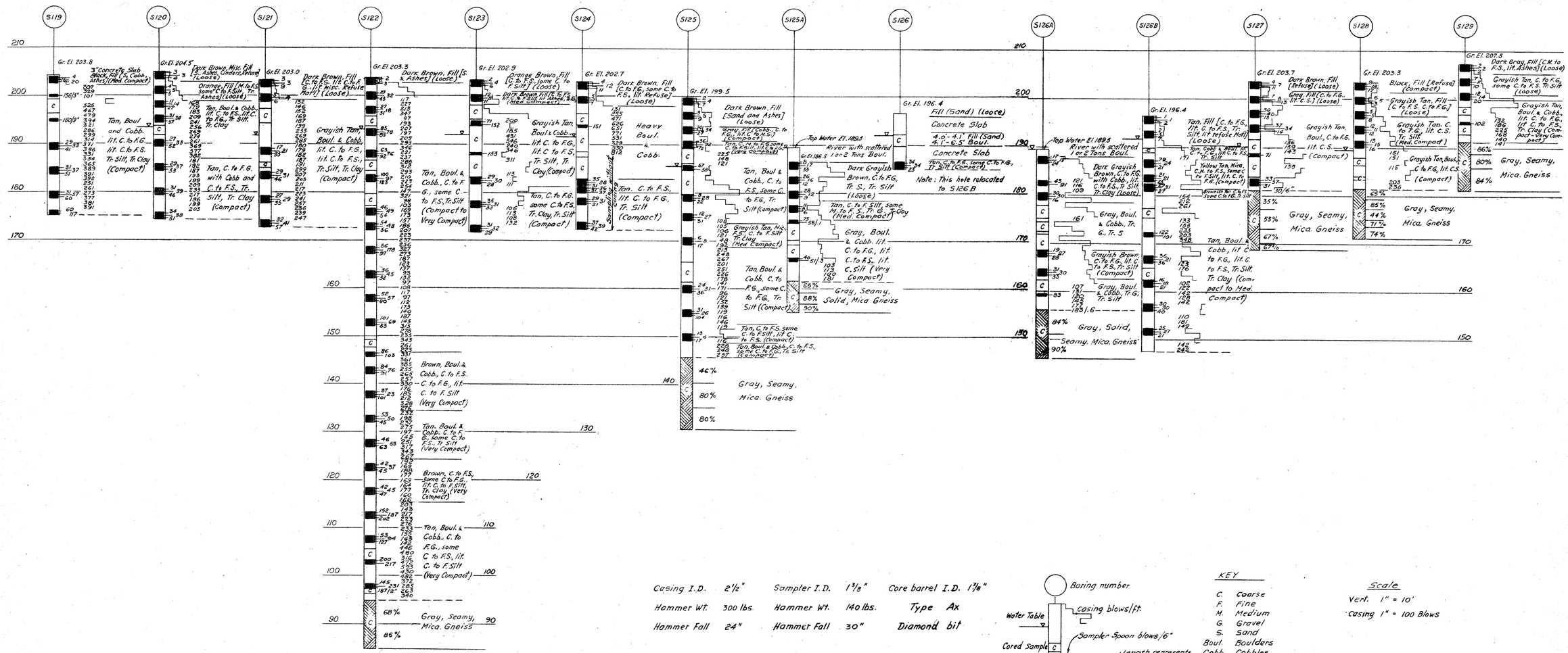
87 78

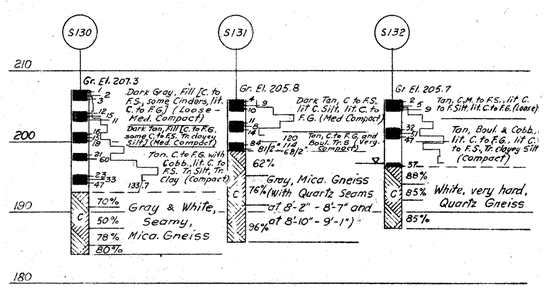
208 02

NA-8D-19

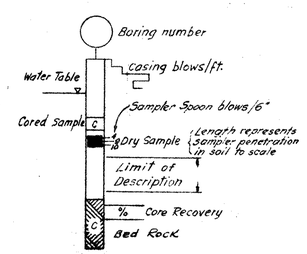
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(11)	87-78	1958	68	25	65

CONNECTICUT ROUTE 68 EXTENSION





Casing I.D.	2 1/2"	Sampler I.D.	1 3/8"	Core barrel I.D.	1 3/8"
Hammer Wt.	300 lbs.	Hammer Wt.	140 lbs.	Type	Ax
Hammer Fall	24"	Hammer Fall	30"	Diamond bit	



KEY

C.	Coarse
F.	Fine
M.	Medium
G.	Gravel
S.	Sand
Boul.	Boulders
Cobb.	Cobbles
lit.	little
Tr.	Trace
Mica.	Micaceous
Misc.	Miscellaneous

Scale

Vert. 1" = 10'

Casing 1" = 100 Blows

NO REVISIONS SUBMITTED FOR THIS SHEET

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

OVER

NAUGATUCK RIVER

BORINGS

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN

MADE BY Y.A. DATE 1957

CHECKED BY C.D.V. DATE 1957

APPROVED William S. Hawes DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. PR-3 OF 15

NA-8D-40

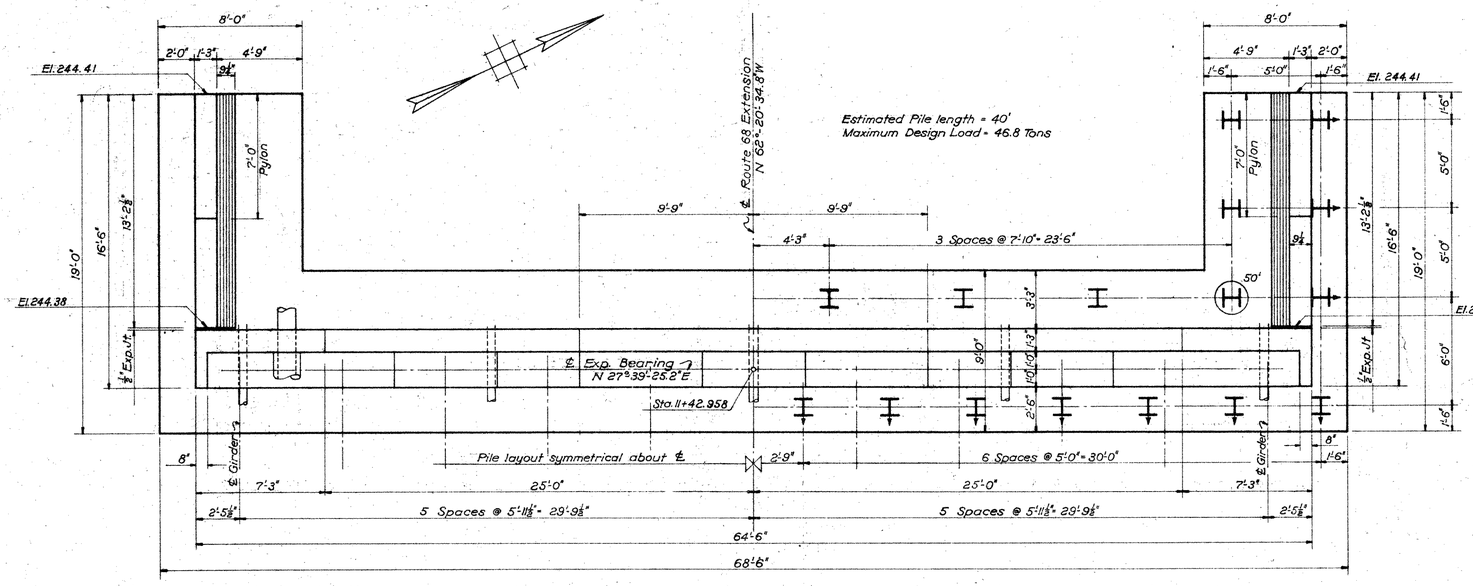
C. B. CO., NO. 254

87 78

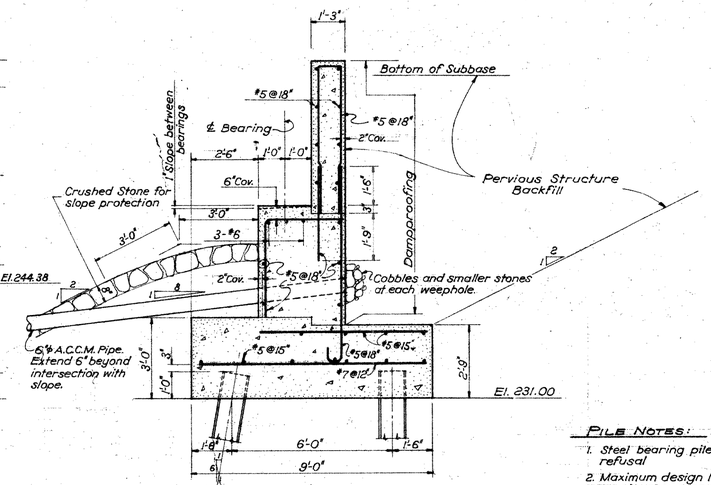
208 02

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	26	88

NO REVISIONS SUBMITTED FOR THIS SHEET



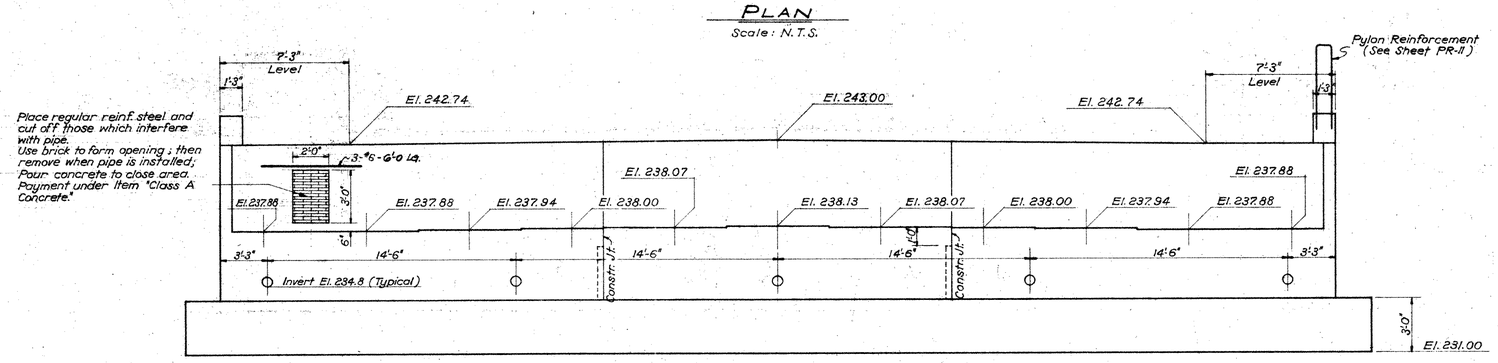
PLAN
Scale: N.T.S.



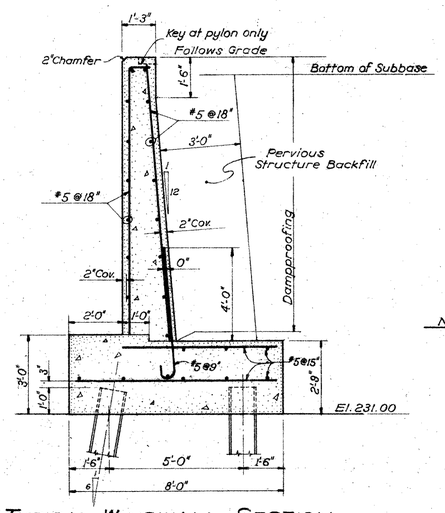
TYPICAL ABUTMENT SECTION
Scale: ⅜" = 1'-0"

PILE NOTES:

1. Steel bearing piles, 12 BP 53, driven to refusal
2. Maximum design load and estimated length shown on the plans.
3. Symbol H indicates pile to be driven vertically.
4. Symbol ⊢⊣ indicates pile to be driven on the batter shown in the section in the direction of the arrow.
5. Symbol (H) indicates location and length of Test Pile.
6. For piers No. 3 and 4 piles shall be driven to a minimum penetration of 20 ft. below footing except where bedrock is reached at a shallower depth.
7. At abutment No. 1 location where piles are to be driven through new fill, remove surface cobbles and boulders before constructing fill. Payment will be made under Items for "Earth Excavation" or "Rock Excavation" as the case may be.



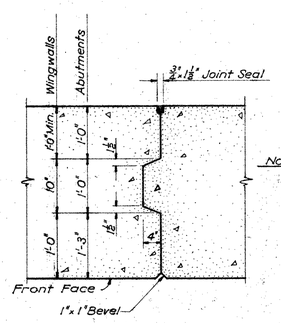
ELEVATION
Scale: N.T.S.



TYPICAL WINGWALL SECTION
Scale: ⅜" = 1'-0"

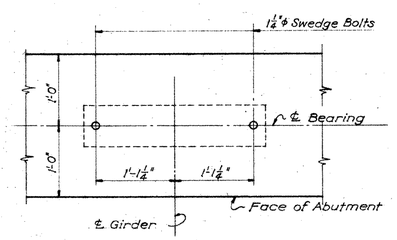
NOTES:

For Pile Point Reinforcement Detail see Sheet PR-8.
For Reinforcement Note see Sheet PR-6.

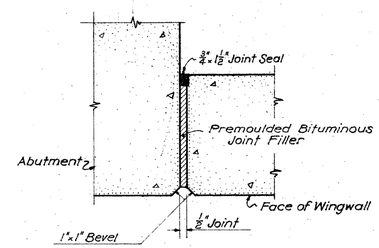


Note: Longitudinal reinforcement to be continuous through Construction Joints, but not to be spliced within 3 ft. each way of the Joint. Splices to be staggered. Longitudinal reinforcement to be interrupted 1½" each side of Contraction Joints.

CONSTRUCTION AND CONTRACTION JOINT DETAILS



TYPICAL ANCHOR BOLT LAYOUT
Scale: 1" = 1'-0"



EXPANSION JOINT DETAIL

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER
ABUTMENT #1 AND WINGWALLS

DESIGNED BY EDWARDS, KELCEY AND BECK
SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY S.A.M. DATE 1957
APPROVED William L. Hanavan DATE 1957
PROJECT NO. 87-78
BRIDGE SHEET NO. PR-4 OF 15

C. B. CO., NO. 384 409-6

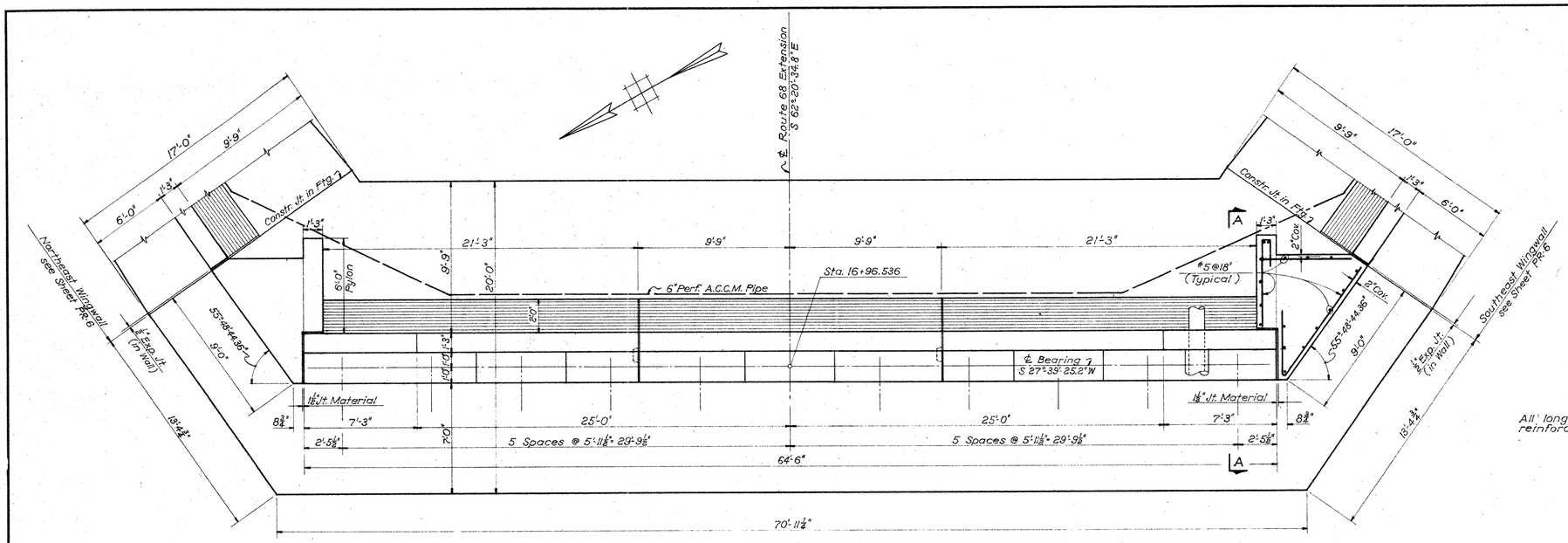
87 78

208 02

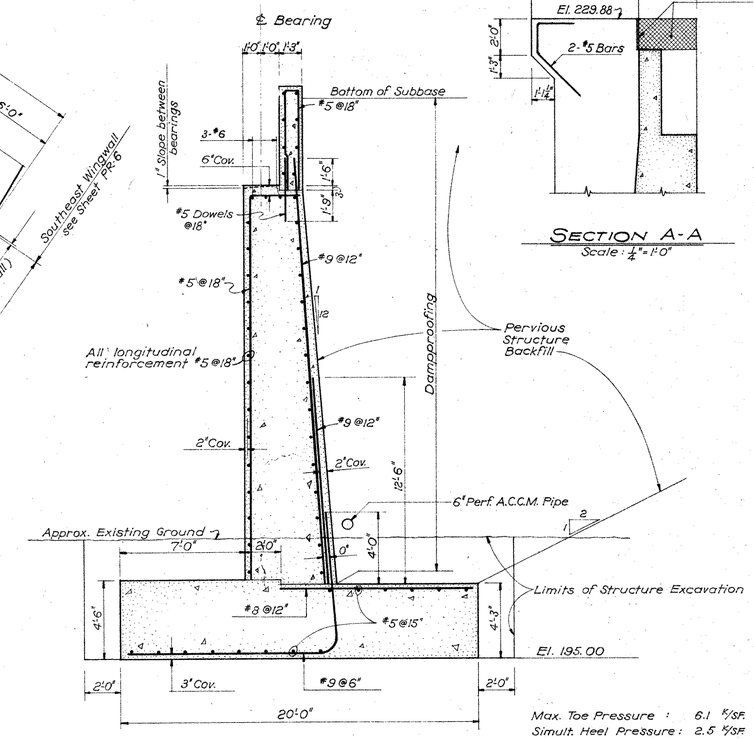
NA-8D-34

26

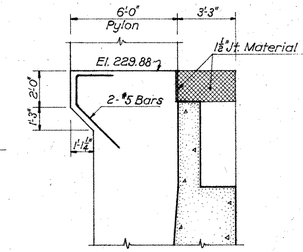
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8(1)	87-78	1958	68	27	68



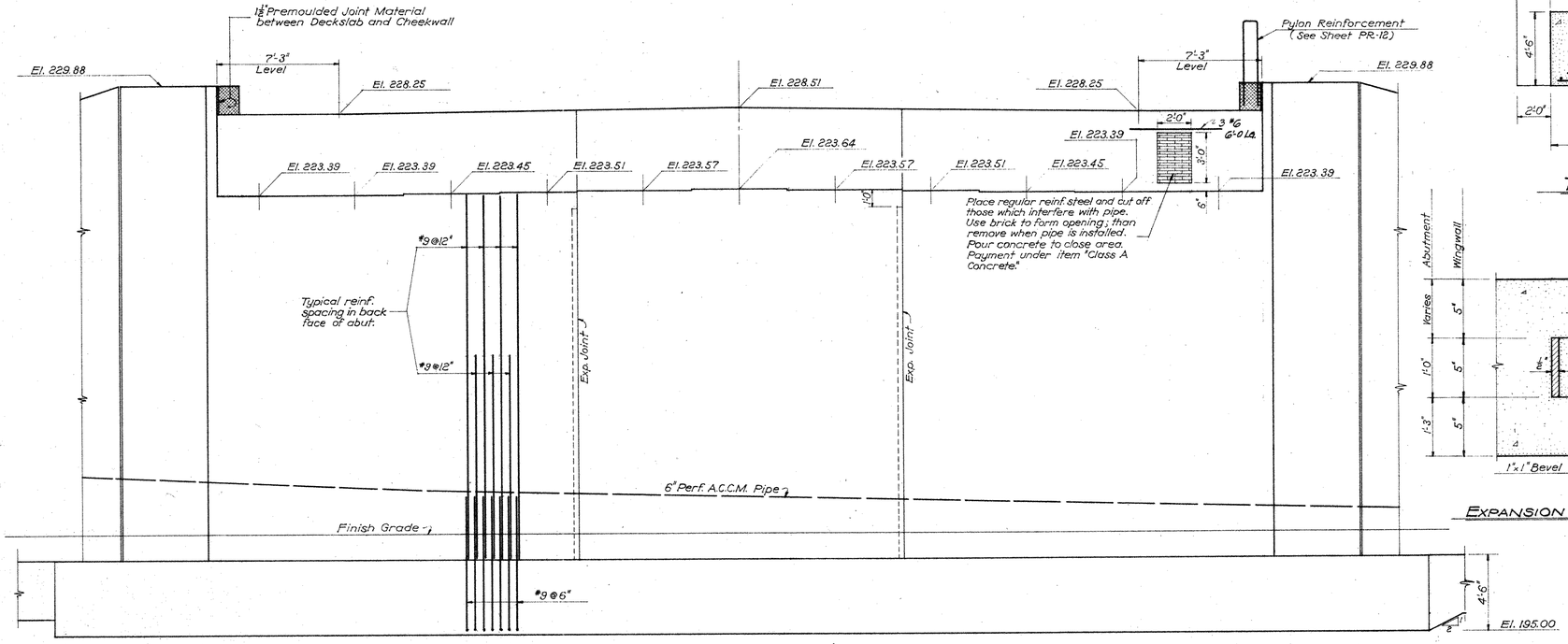
PLAN
Scale: N.T.S.



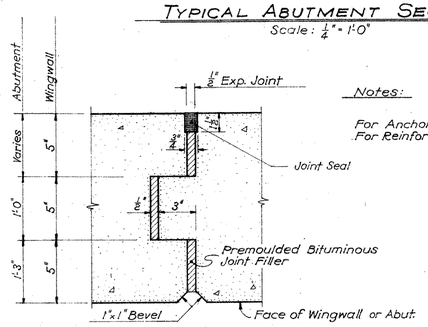
TYPICAL ABUTMENT SECTION
Scale: 1/4" = 1'-0"



SECTION A-A
Scale: 1/4" = 1'-0"



ELEVATION
Scale: N.T.S.



EXPANSION JOINT DETAIL

Notes:

For Anchor Bolt Layout see Sheet PR-4.
For Reinforcement Notes see Sheet PR-6.

NO REVISIONS SUBMITTED FOR THIS SHEET

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER

ABUTMENT #2

DESIGNED BY EDWARDS, KELCEY AND BECK

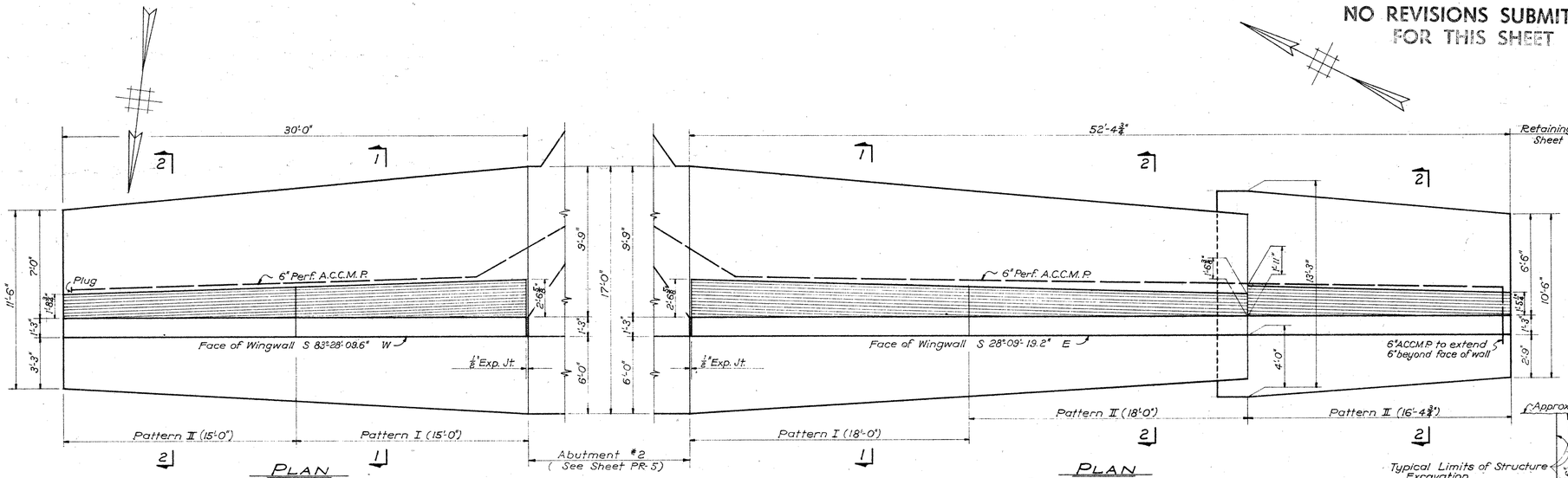
SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY S.A.M. DATE 1957
APPROVED William S. Hawes DATE 1957

PROJECT NO. 87-78
BRIDGE SHEET NO. PR-5 OF 15

C. B. CO., NO. 354 409-8 87 78 208 02 NA-8D-36 27

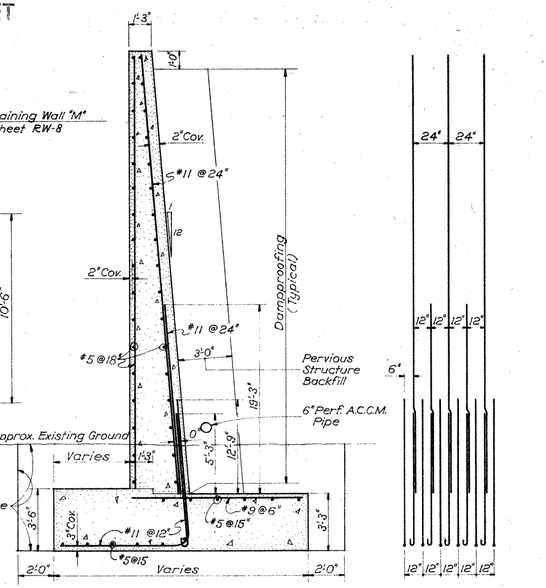
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	28	88

NO REVISIONS SUBMITTED FOR THIS SHEET



PLAN
NORTHEAST WINGWALL
Scale: ¼" = 1'-0"

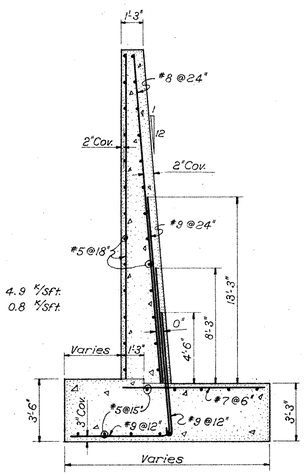
PLAN
SOUTHEAST WINGWALL
Scale: ¼" = 1'-0"



Max. Toe Pressure 6.0 K/Sft.
Simult. Heel Pressure 0.6 K/Sft.

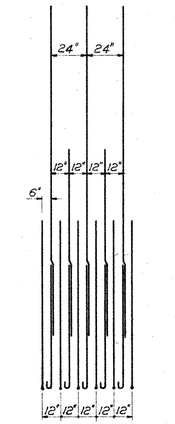
SECTION 1
Scale: ¼" = 1'-0"

PATTERN I



Max. Toe Pressure 4.9 K/Sft.
Simult. Heel Pressure 0.8 K/Sft.

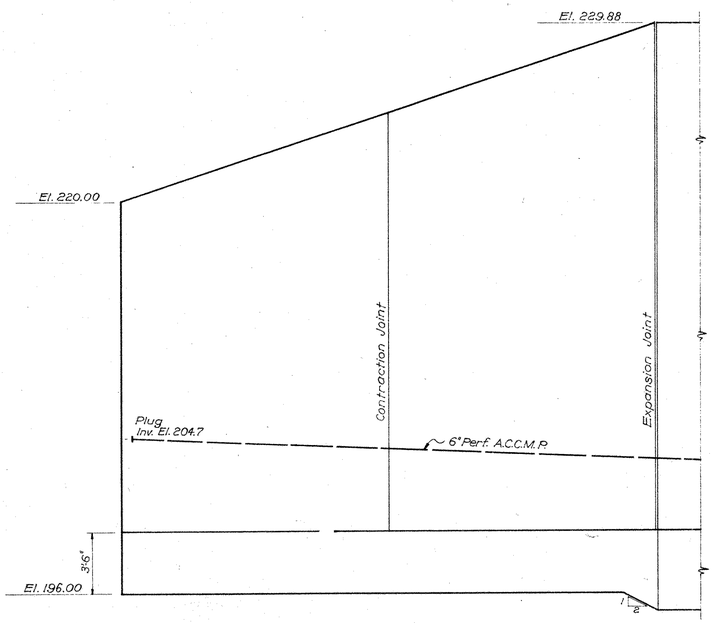
SECTION 2
Scale: ¼" = 1'-0"



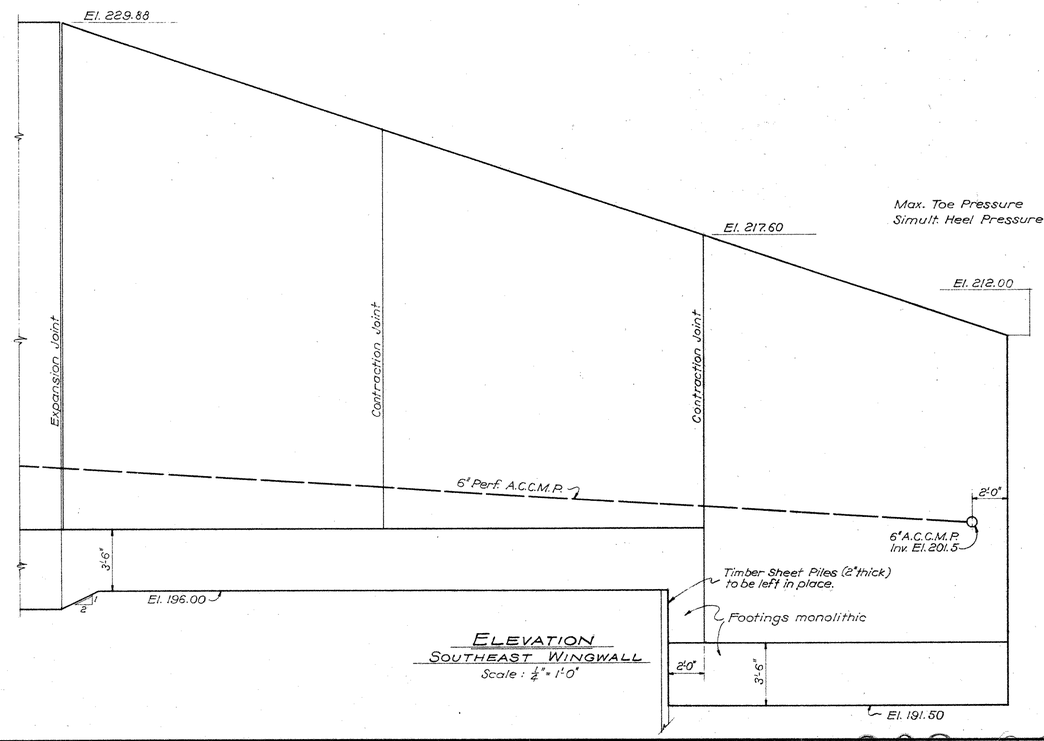
PATTERN II

Notes:
For Expansion Joint Detail see sheet PR-5.
For Contraction Joint Detail see sheet PR-4.

Reinforcement Notes:
Longitudinal bar splices in the heel of all footings and under abutment seats are to be 35 bar diameters.
All other longitudinal splices are to be 20 bar diameters.
All vertical splices are to be 35 bar diameters.



ELEVATION
NORTHEAST WINGWALL
Scale: ¼" = 1'-0"



ELEVATION
SOUTHEAST WINGWALL
Scale: ¼" = 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER
WINGWALLS

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY G.A.M. DATE 1957
APPROVED William L. Hanaven DATE 1957

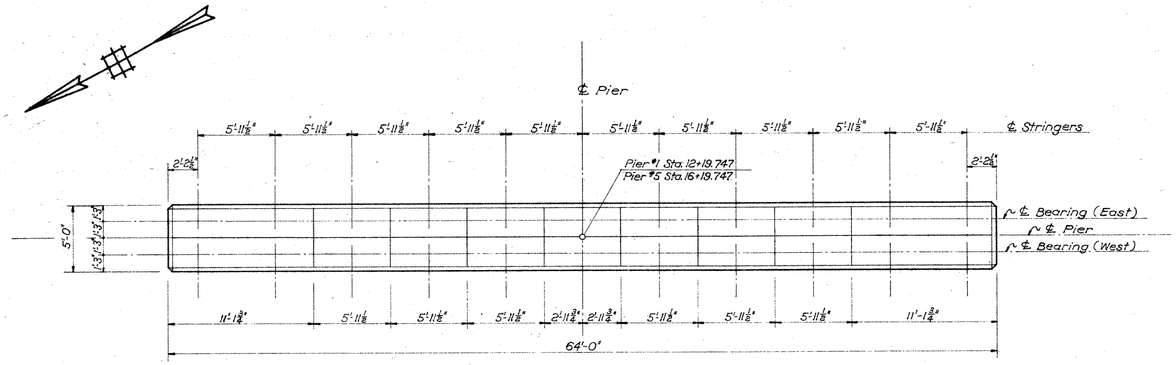
PROJECT NO. 87-78
BRIDGE SHEET NO. PR-6 OF 15

C. B. CO., NO. 384 40998

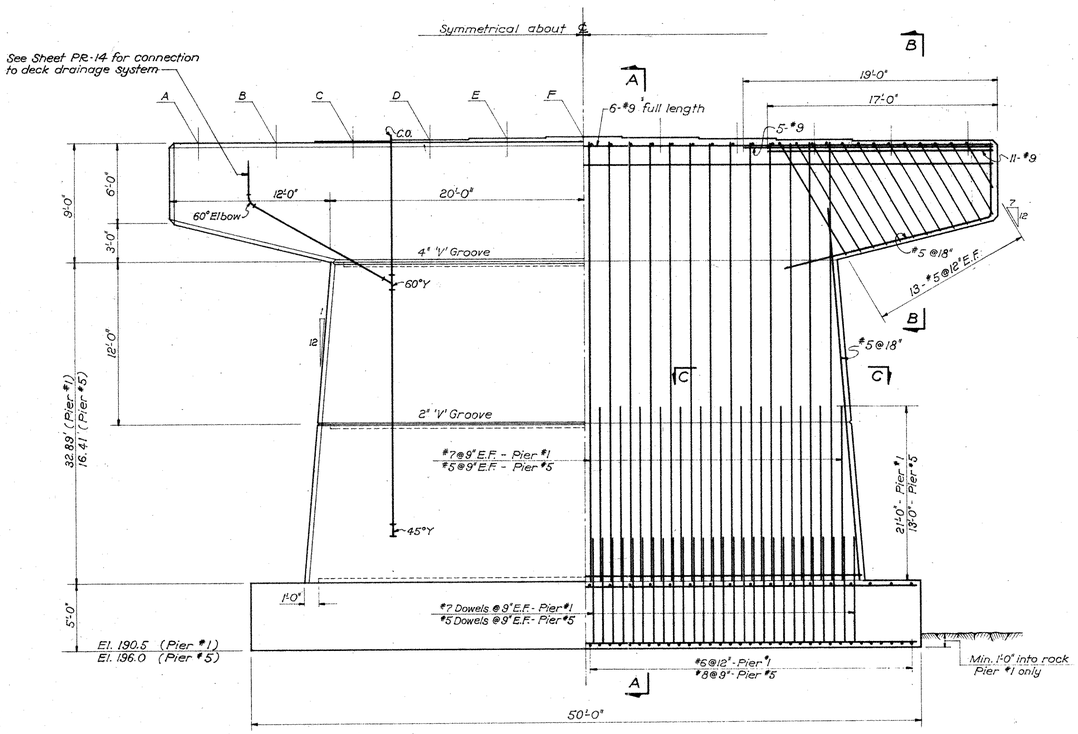
409-9 87 78 208 02 NA-20-37 28

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	29	59

NO REVISIONS SUBMITTED FOR THIS SHEET



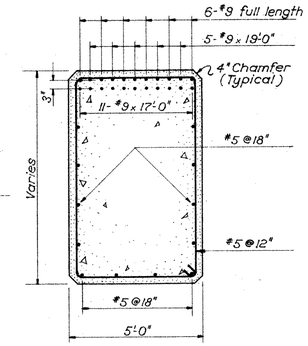
PLAN
Scale: 3/16" = 1'-0"



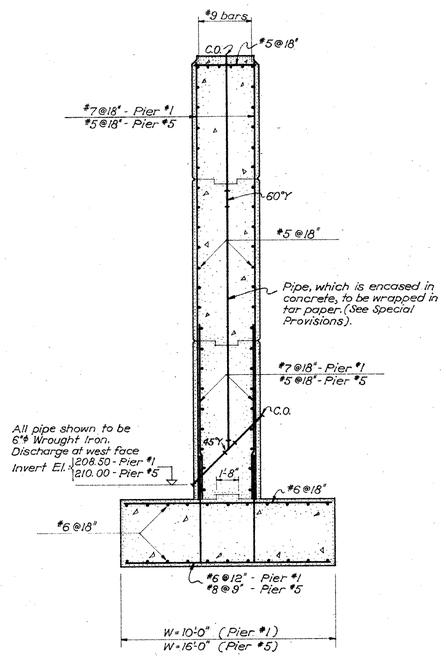
ELEVATION
Scale: 3/16" = 1'-0"

Max. Soil Pressures:
Pier #1 = 12.67 K.S.F.
Pier #5 = 5.57 K.S.F.

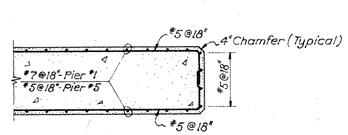
PIER		STATION AT ℄ BRG.	ELEVATION A	B	C	D	E	F	W
1	West	12+18.497	237.41	237.41	237.47	237.54	237.60	237.66	10'-0"
	East	12+20.997	237.39	237.39	237.45	237.51	237.57	237.64	
5	West	16+18.497	226.51	226.51	226.57	226.63	226.70	226.76	16'-0"
	East	16+20.997	226.41	226.41	226.47	226.53	226.60	226.66	



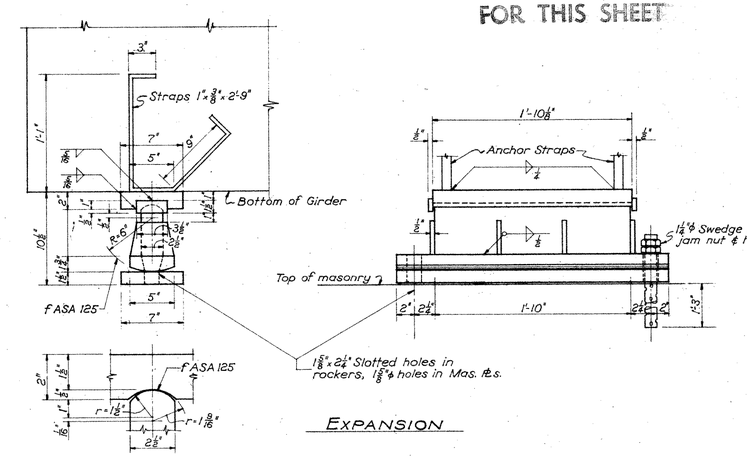
SECTION B-B
Scale: 3/8" = 1'-0"



SECTION A-A
Scale: 3/16" = 1'-0"

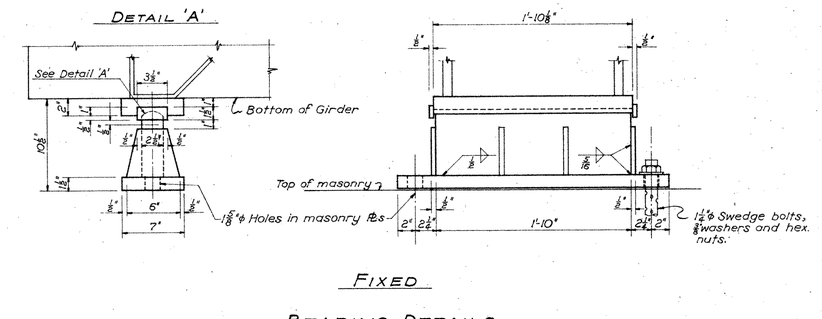


SECTION C-C
Scale: 3/16" = 1'-0"



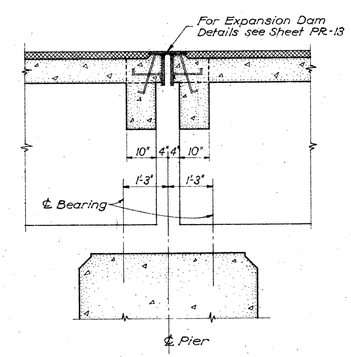
EXPANSION

DETAIL 'A'



FIXED

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



DETAIL AT PIER
Scale: 3/8" = 1'-0"

NOTES:

Steel for bearings to conform to ASTM-A7 except for masonry plates to be Mayari-R, Cor-Ten or an approved equivalent.
Payment for girder bearings to be included in the items for Prestressed Girders.

For Reinforcement Note see Sheet PR-6

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER

PIERS 1 AND 5

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY S.A.M. DATE 1957
APPROVED William E. Hennessy DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. PR-7 OF 15

C. B. CO., NO. 384 409-10

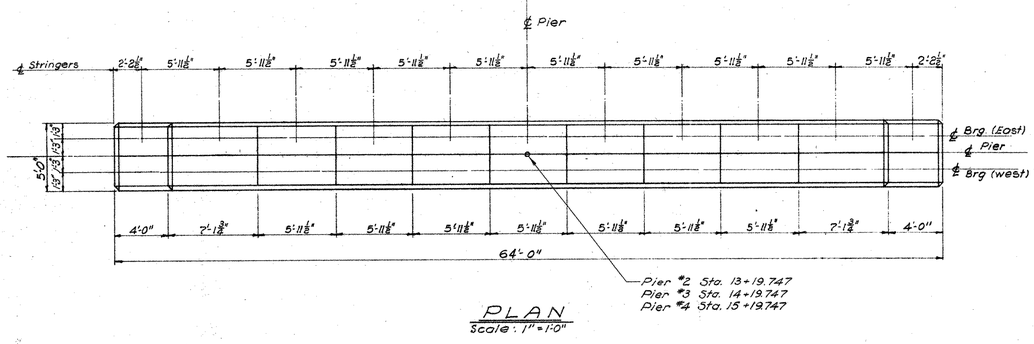
87 78

208 02

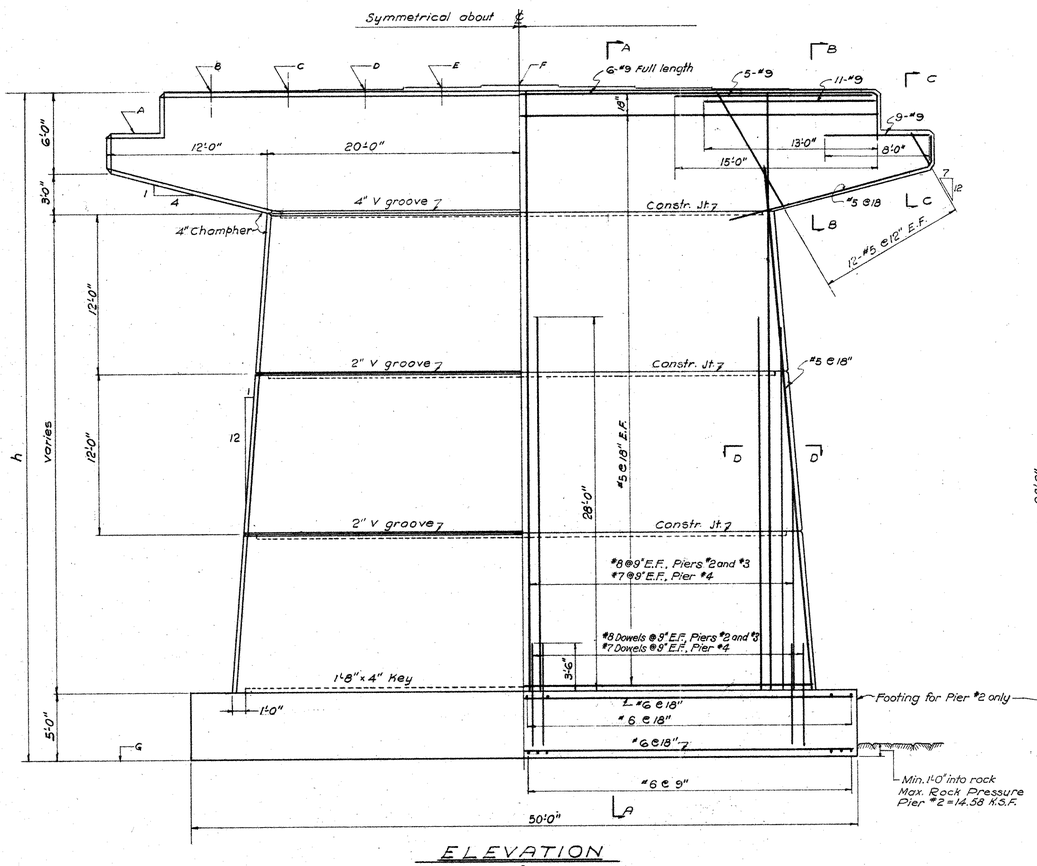
NA-80-38 29

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8001	87-78	1958	68	30	88

NO REVISIONS SUBMITTED FOR THIS SHEET

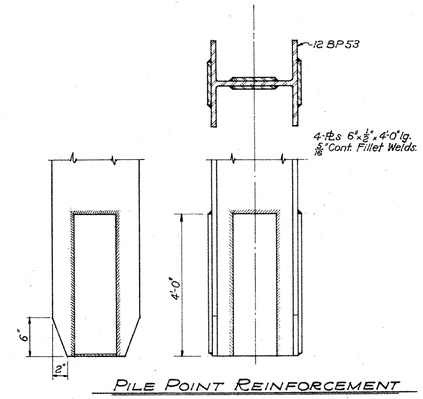


PLAN
Scale: 1" = 1'-0"

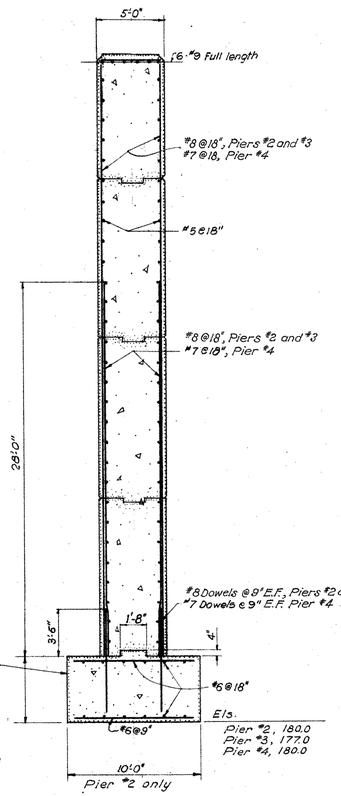


ELEVATION
Scale: 3/16" = 1'-0"

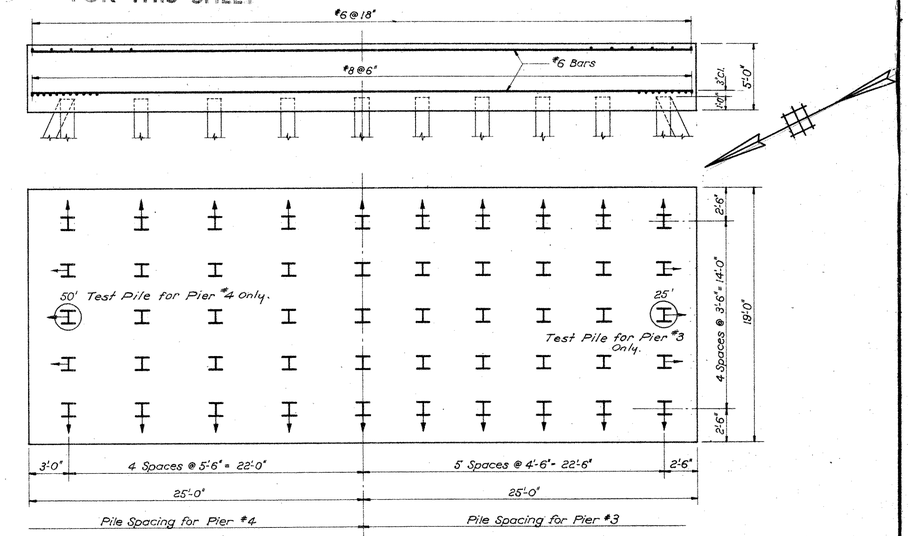
PIER		STATION AT ℄ BRG.	ELEVATION A	B	C	D	E	F	G	h
2	west	13+18.497	233.10	235.99	236.05	236.12	236.18	236.24	180.0	55.94'
	East	13+20.997	233.05	235.94	236.01	236.07	236.13	236.19		
3	west	14+18.497	230.77	233.67	233.73	233.79	233.86	233.92	177.0	56.60'
	East	14+20.997	230.71	233.60	233.66	233.72	233.79	233.85		
4	West	15+18.497	227.55	230.45	230.51	230.57	230.64	230.70	180.0	50.36'
	East	15+20.997	227.46	230.36	230.42	230.48	230.54	230.61		



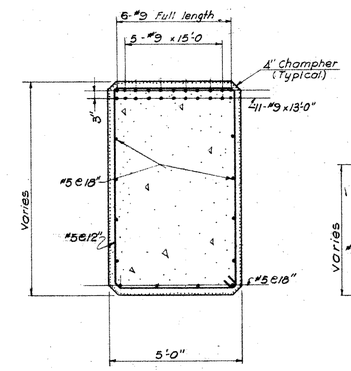
PILE POINT REINFORCEMENT



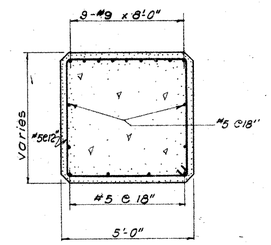
SECTION A-A
Scale: 3/16" = 1'-0"



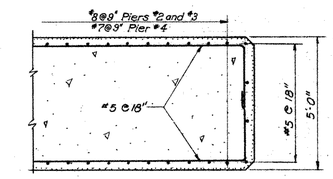
FOOTING - PIER #3 AND #4
Scale: 3/16" = 1'-0"



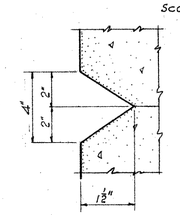
SECTION B-B
Scale: 3/8" = 1'-0"



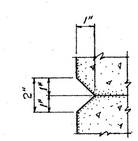
SECTION C-C
Scale: 3/8" = 1'-0"



SECTION D-D
Scale: 3/8" = 1'-0"



4" V GROOVE DETAIL
Scale: 1/4" = 1"



2" V GROOVE DETAIL
Scale: 1/4" = 1"

NOTES:
For Pile Notes see Sheet PR-4.
For Reinforcement Notes see Sheet PR-6

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER
PIERS 2,3 AND 4

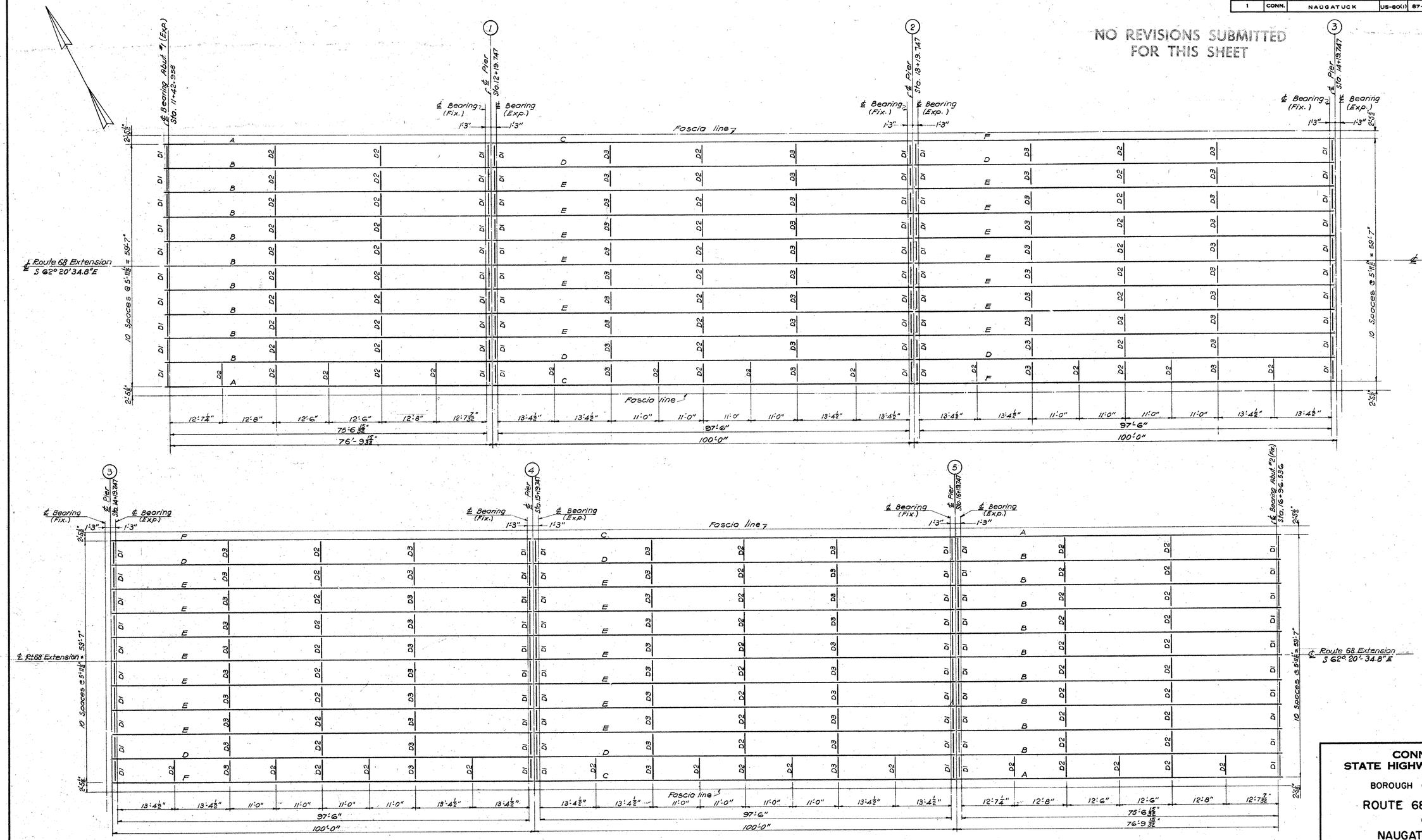
DESIGNED BY EDWARDS, KELCEY AND BECK
SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY G.A.M. DATE 1957
APPROVED William S. Hanrahan DATE 1957
PROJECT NO. 87-78
BRIDGE SHEET NO. PR-8 OF 15

NA-8D-39

C. B. CO., NO. 284 409-11 87 78 208 02 30

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	31	88

NO REVISIONS SUBMITTED FOR THIS SHEET



FRAMING PLAN

Scale: 3/32" = 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION OVER NAUGATUCK RIVER

FRAMING PLAN

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN

MADE BY J.C.H. DATE 1957

CHECKED BY G.A.M. DATE 1957

APPROVED William L. Hanaven DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. PR-9 OF 15

NA-8D-16

208-02

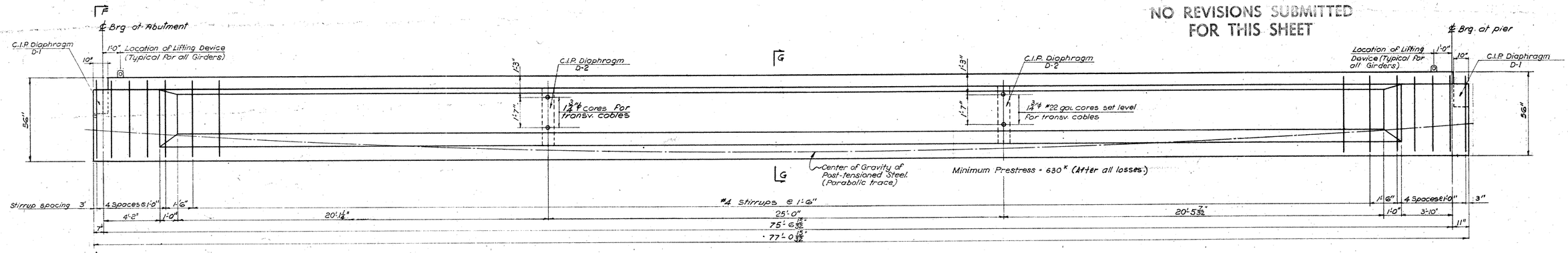
C. B. CO., NO. 884 409-1

87 78

31

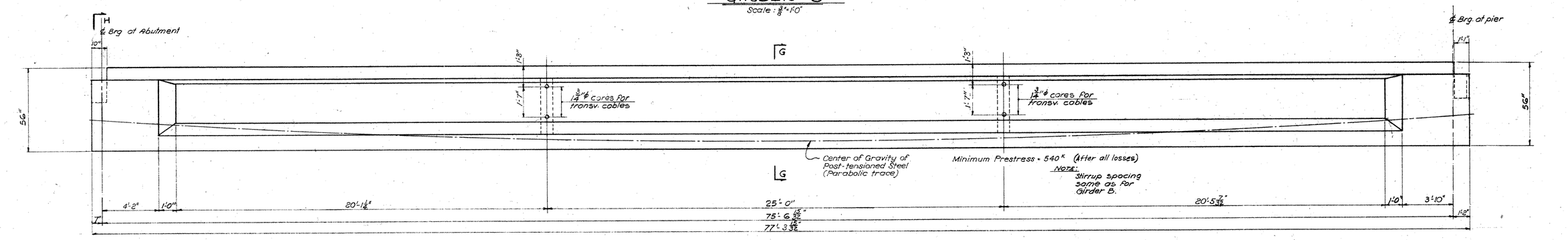
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	32	88

NO REVISIONS SUBMITTED FOR THIS SHEET



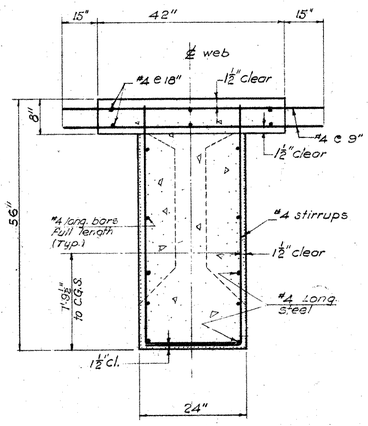
GIRDER B

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



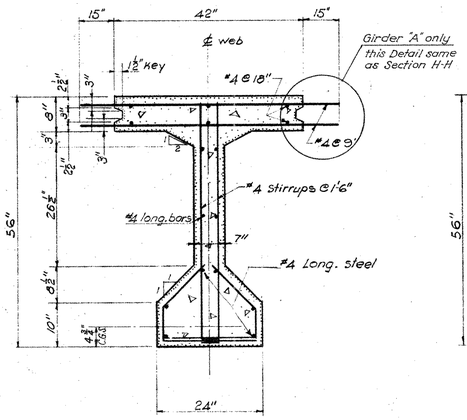
GIRDER A

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



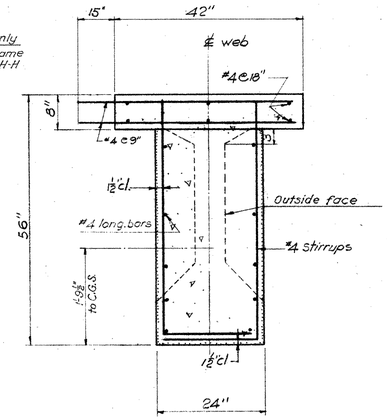
SECTION F-F

Scale: ¾" = 1'-0"



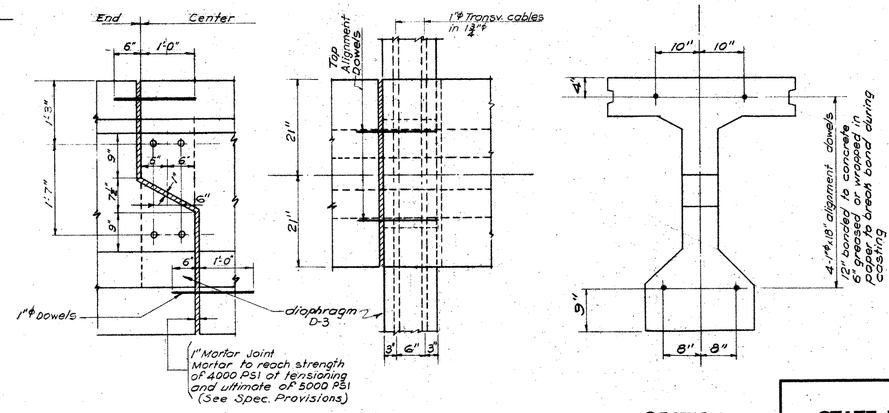
SECTION G-G

Scale: ¾" = 1'-0"



SECTION H-H

Scale: ¾" = 1'-0"



ELEVATION PLAN SECTION

DETAILS OF 1" MORTAR JOINT

Scale: ¾" = 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER

PRESTRESSED GIRDERS

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY G.A.M. DATE 1957
APPROVED William R. Hawper DATE 1957

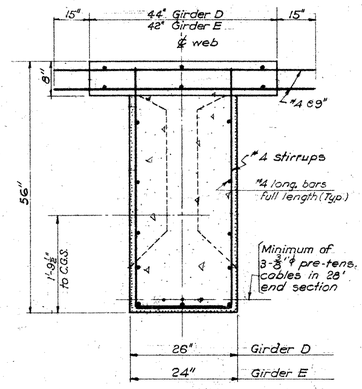
PROJECT NO. 87-78

BRIDGE SHEET NO. PR-10 OF 15

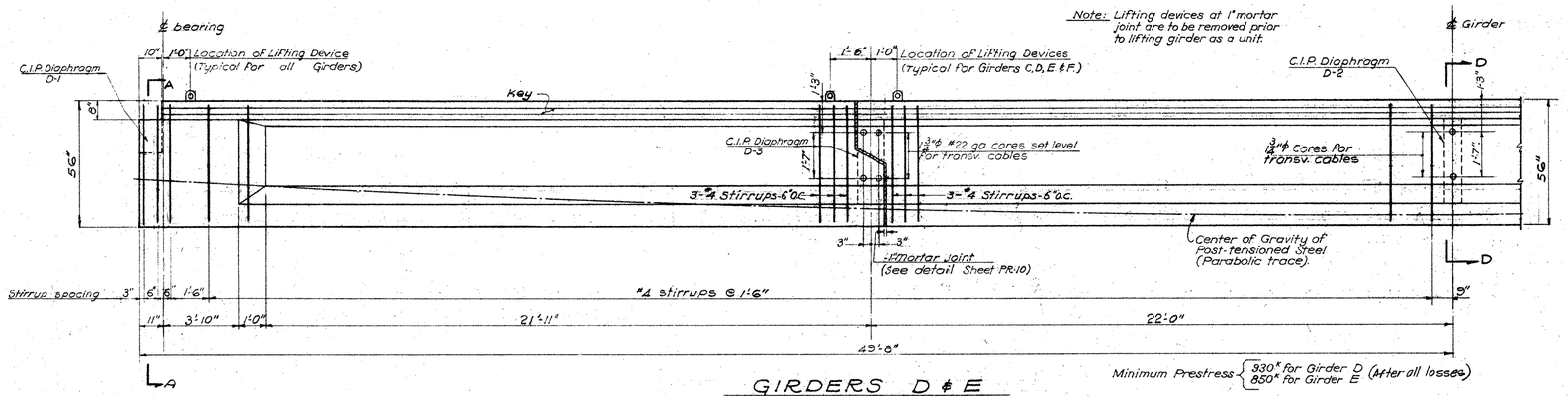
NA-BD-35

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	33	85

NO REVISIONS SUBMITTED FOR THIS SHEET

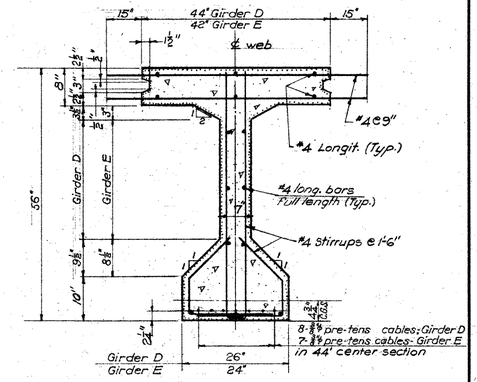


SECTION A-A
Scale: ¾"=1'-0"

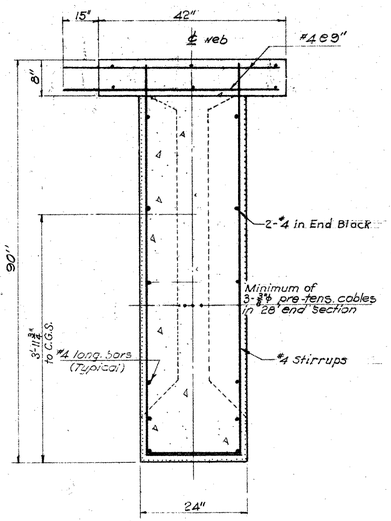


GIRDERS D & E
(SYMMETRICAL ABOUT ℄)
Scale: ⅜"=1'-0"

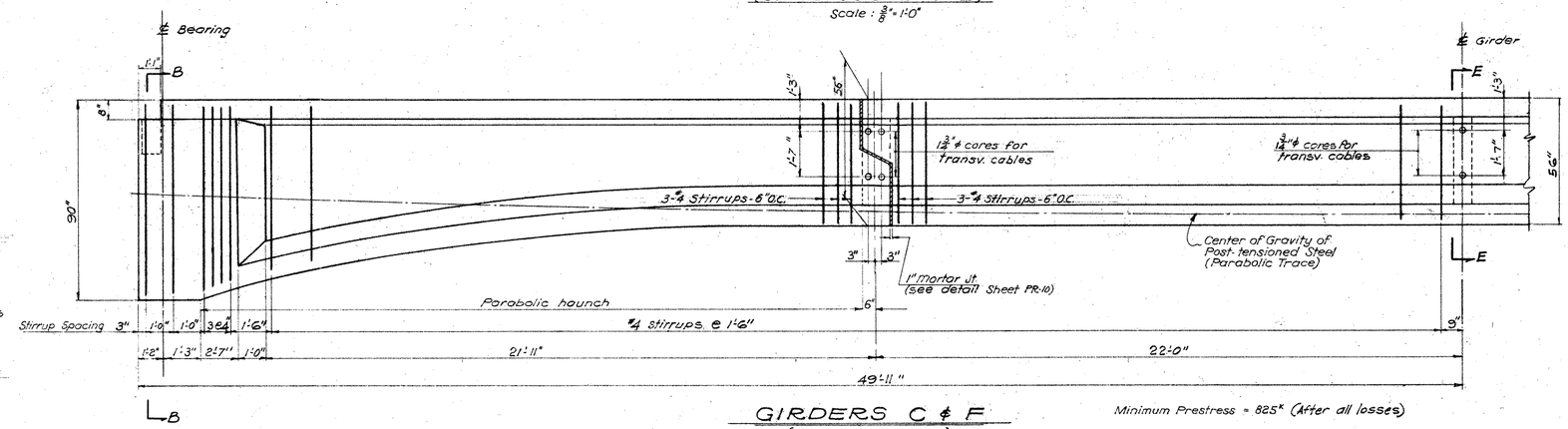
Minimum Prestress { 930# for Girder D, 850# for Girder E (after all losses)



SECTION D-D
Scale: ¾"=1'-0"

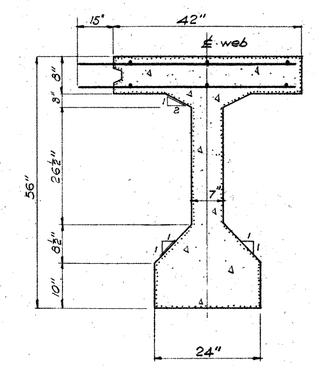


SECTION B-B
Scale: ¾" = 1'-0"



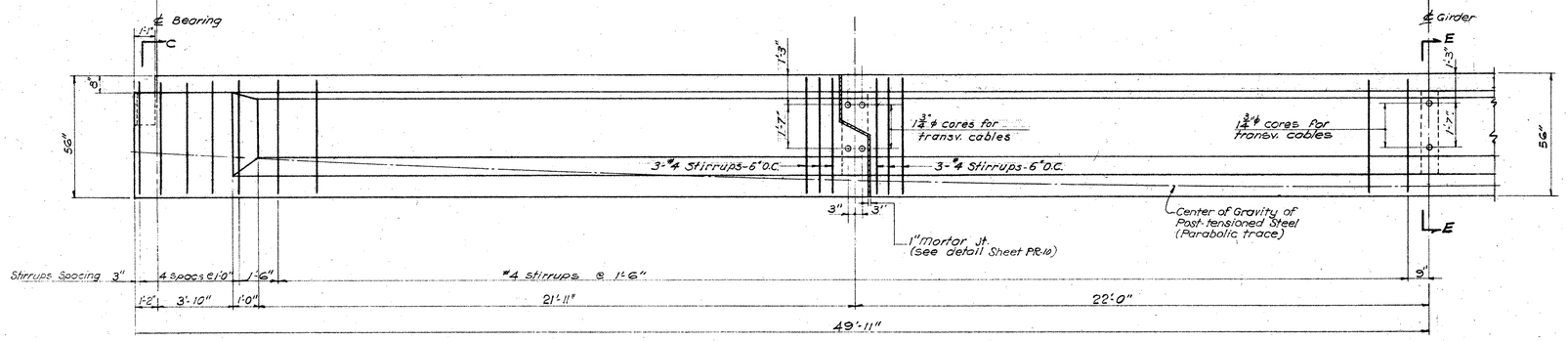
GIRDERS C & F
(HAUNCHED HALF)
Scale: ⅜"=1'-0"

Minimum Prestress = 825# (after all losses)

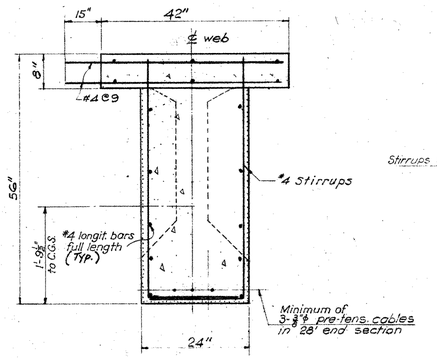


NOTE:
For reinforcement see Section D-D

SECTION E-E
Scale: ¾"=1'-0"



GIRDER C
(STRAIGHT HALF)
Scale: ⅜"=1'-0"



SECTION C-C
Scale: ¾" = 1'-0"

Notes:
For Framing Plan see Sheet PR-8

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION OVER NAUGATUCK RIVER

PRESTRESSED GIRDERS

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY S.A.M. DATE 1957
APPROVED William L. Hanson DATE 1957

PROJECT NO. 87-78
BRIDGE SHEET NO. PR-11 OF 15

C. B. CO., NO. 394 409-2

87 78

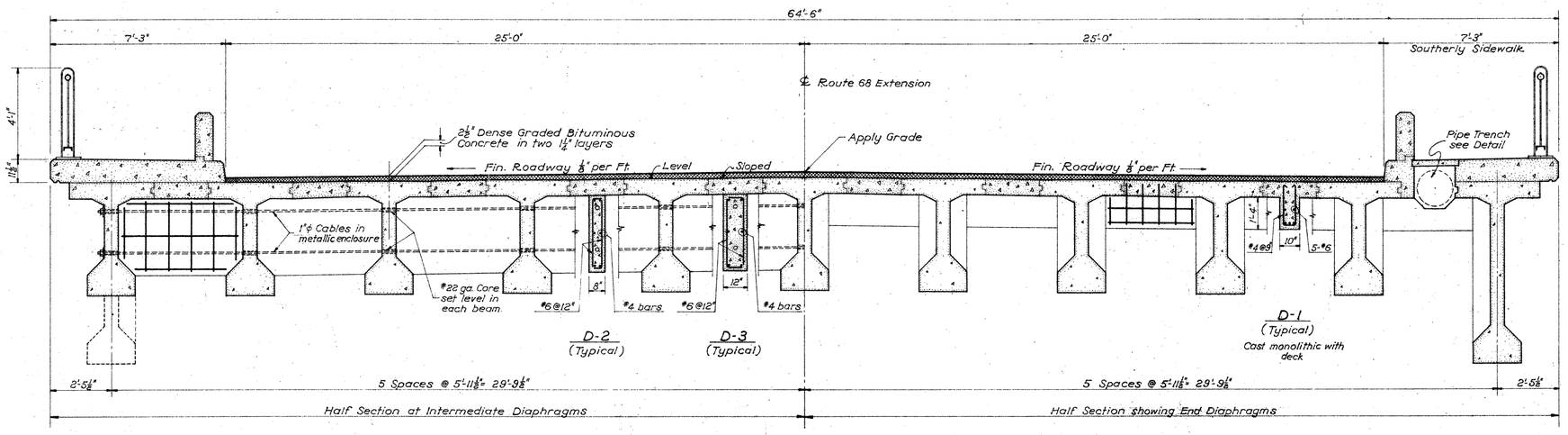
208 C2

NA-BD-17

33

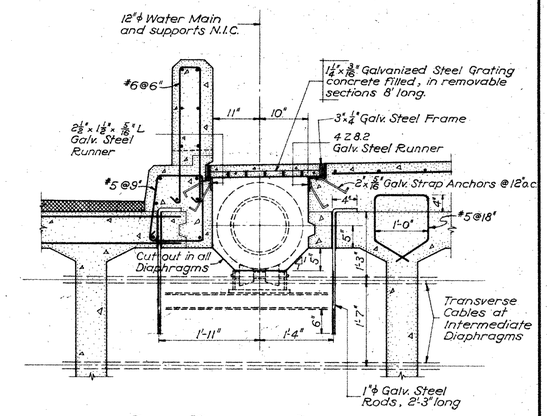
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	34	86

NO REVISIONS SUBMITTED FOR THIS SHEET



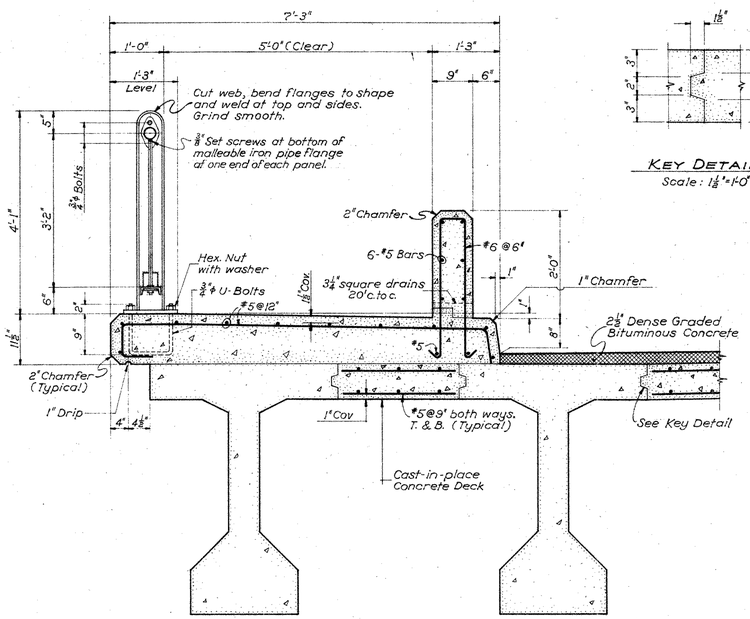
TRANSVERSE SECTION

N.T.S.



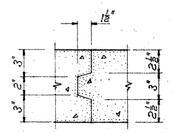
PIPE TRENCH DETAIL

N.T.S.



SIDEWALK DETAIL

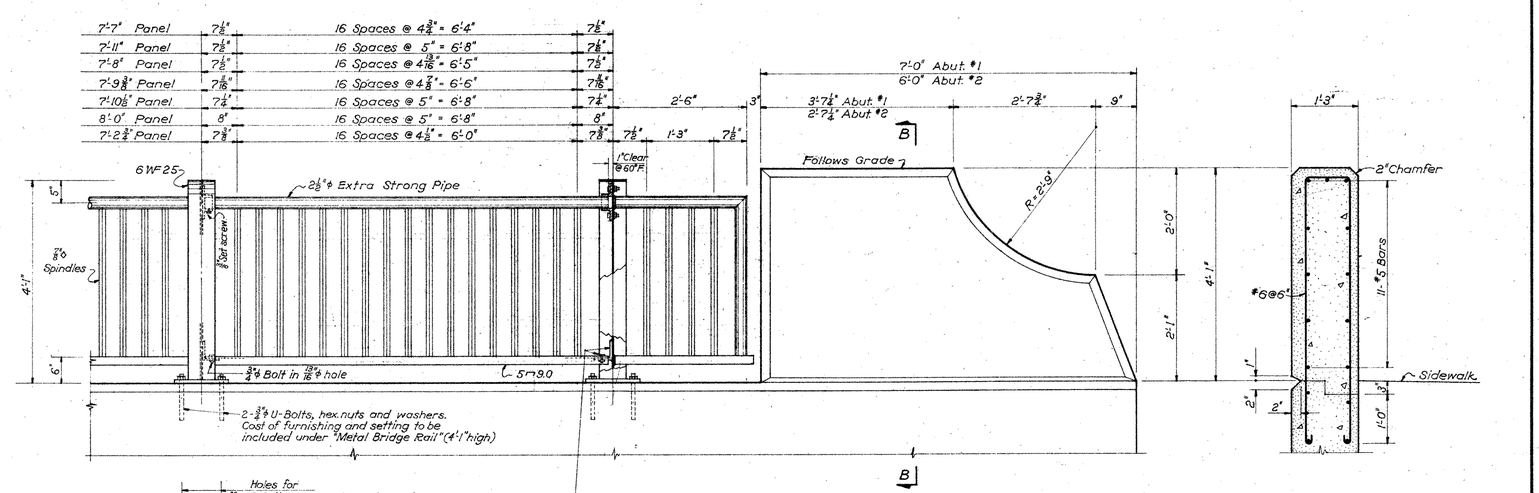
N.T.S.

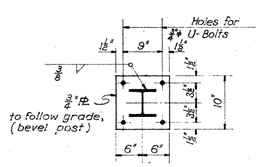


KEY DETAIL

Scale: 1½" = 1'-0"

7'-7" Panel	7½"	16 Spaces @ 4¾" = 6'-4"	7½"
7'-11" Panel	7½"	16 Spaces @ 5" = 6'-8"	7½"
7'-8" Panel	7½"	16 Spaces @ 4 13/16" = 6'-5"	7½"
7'-9⅜" Panel	7 11/16"	16 Spaces @ 4⅞" = 6'-6"	7 11/16"
7'-10½" Panel	7¼"	16 Spaces @ 5" = 6'-8"	7¼"
8'-0" Panel	8"	16 Spaces @ 5" = 6'-8"	8"
7'-2¾" Panel	7⅜"	16 Spaces @ 4½" = 6'-0"	7⅜"





BASE PL. DETAIL

RAILING DETAILS

N.T.S.

Railing Notes:

Posts and Spindles to be truly vertical, rails to follow grade. ¾"ϕ U-Bolts to be included in price bid for Metal Bridge Rail. When shimming is necessary, posts to be shimmed with lead wool and caulked with joint compound, or as directed by the Engineer. Cost to be included in price bid for Metal Bridge Rail. Malleable iron or cast steel pipe flanges at all posts, ⅜" set screw at outer side of each. Use ¾"ϕ bolts at all connections. In end panel all horizontal members to be welded with continuous welds to web of 6"WF25.
See sheet PR-1 for railing layout.
See sheet PR-15 for spacing of light poles.
Post and Base Plate to conform to A.S.T.M. - A7.

SECTION B-B

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

OVER

NAUGATUCK RIVER

TRANSV. SECT. & RAILING DETAILS

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN

MADE BY J.C.H. DATE 1957

CHECKED BY S.A.M. DATE 1957

APPROVED William S. Hamarow DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. PR-12 OF 15

C. B. CO., NO. 384

409-5 87 78

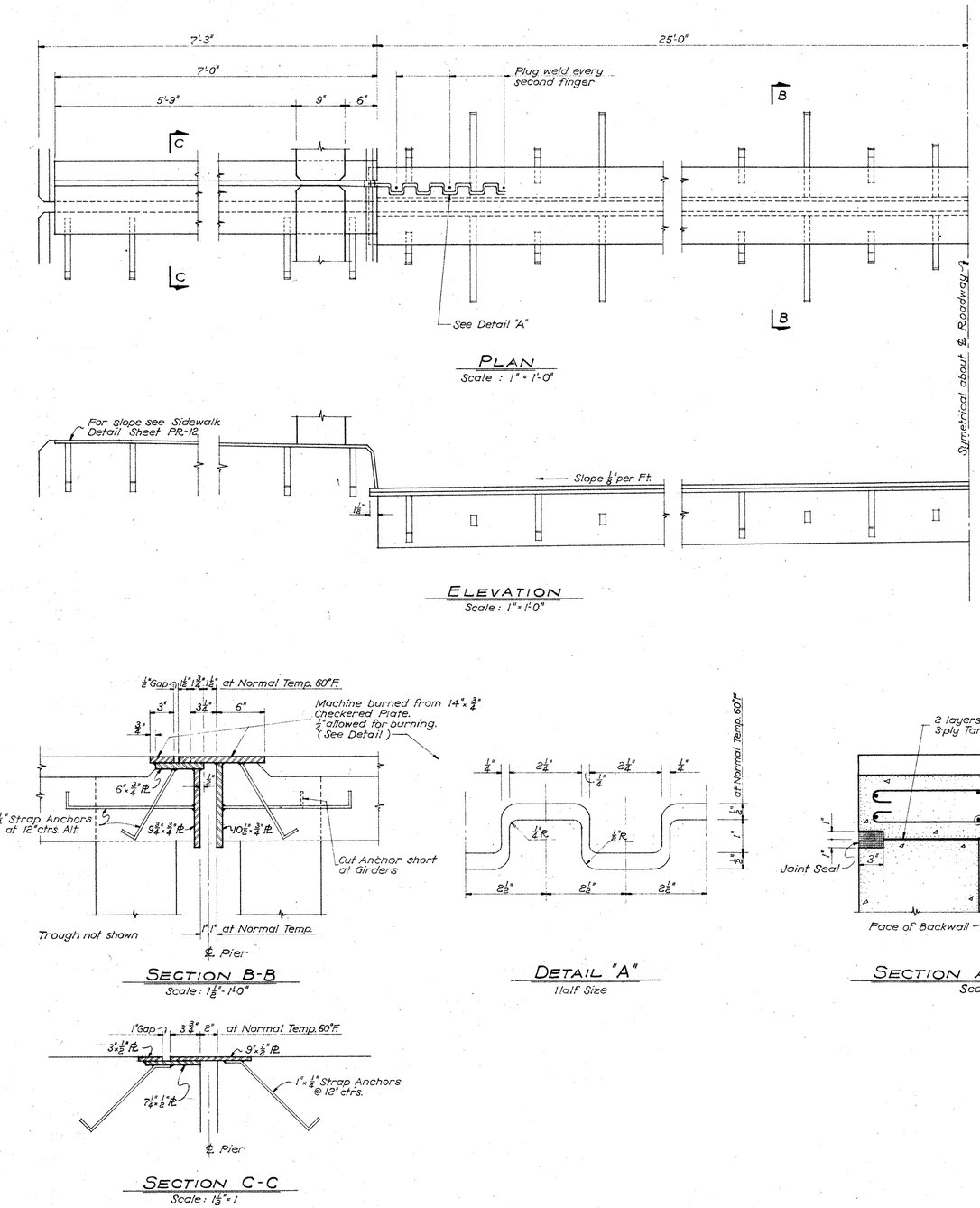
208 02

NA-8D-20

34

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	35	88

NO REVISIONS SUBMITTED FOR THIS SHEET



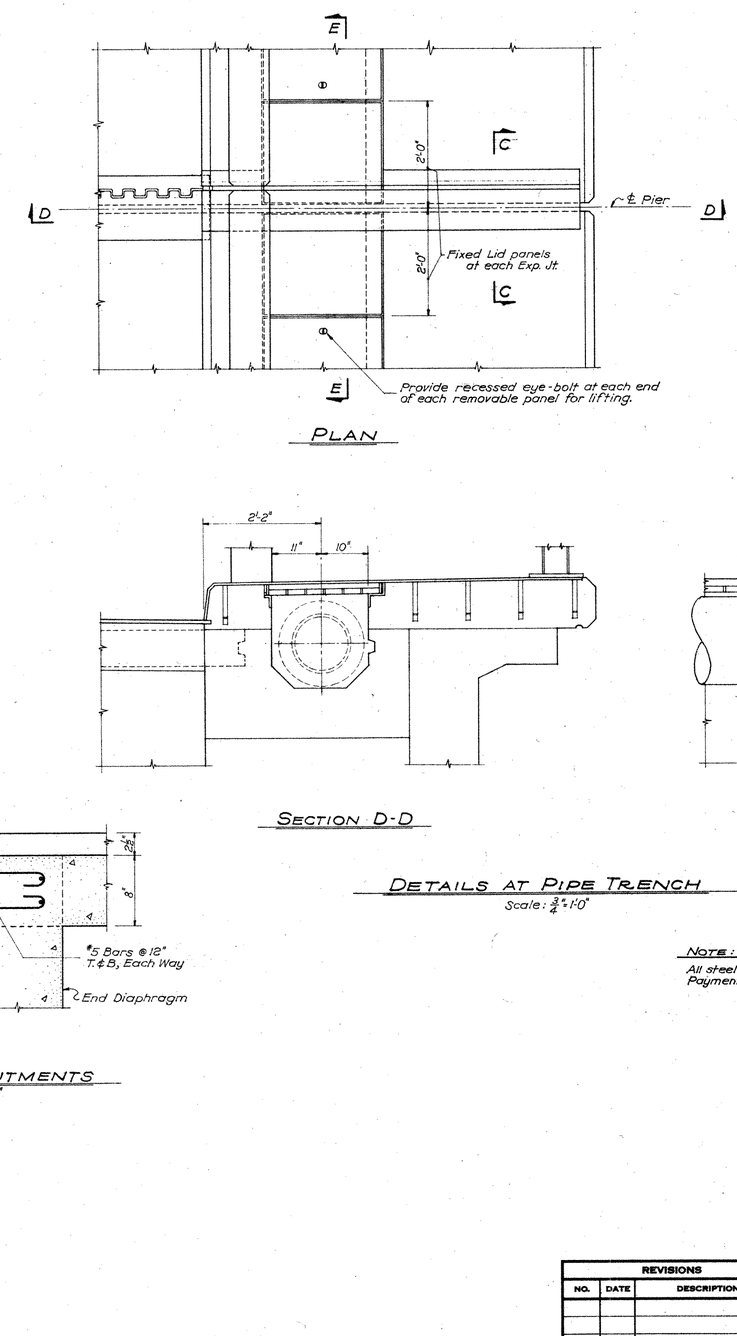
PLAN
Scale: 1" = 1'-0"

ELEVATION
Scale: 1" = 1'-0"

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

DETAIL "A"
Half Size

SECTION C-C
Scale: 1 1/2" = 1



PLAN

SECTION D-D

SECTION E-E

DETAILS AT PIPE TRENCH
Scale: 3/4" = 1'-0"

SECTION AT ABUTMENTS
Scale: 1 1/2" = 1'-0"

NOTE:
All steel for expansion dams to conform to ASTM-A7. Payment to be made Item 191, Structural Steel.

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER
EXPANSION DAM

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY G.A.M. DATE 1957
APPROVED William L. Hanaven DATE 1957

PROJECT NO. 87-78
BRIDGE SHEET NO. PR-13 OF 15

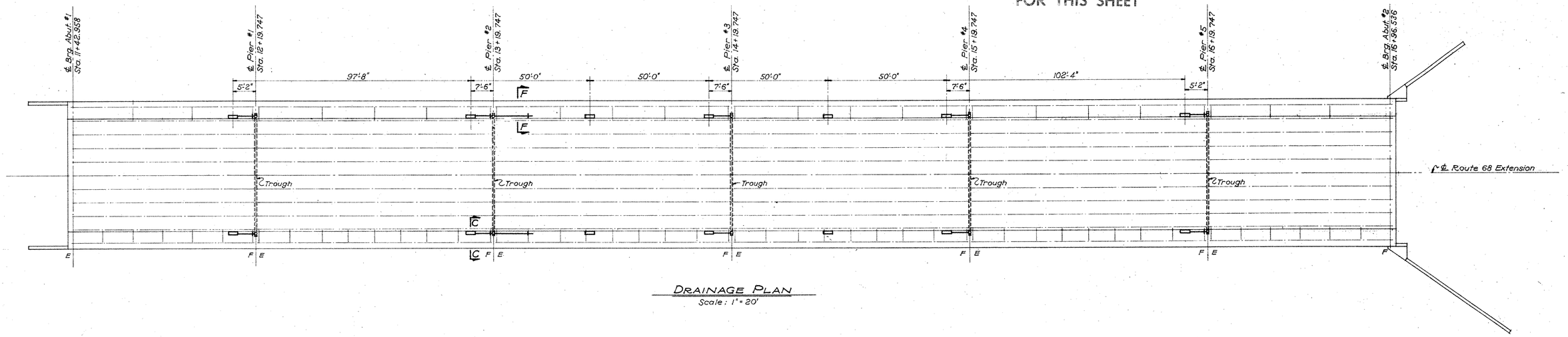
NA-8D-160

87 78

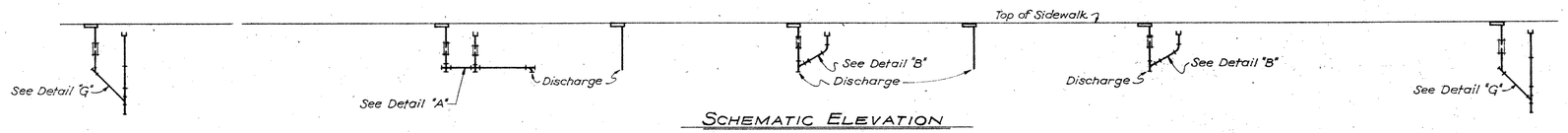
208 02

NO REVISIONS SUBMITTED FOR THIS SHEET

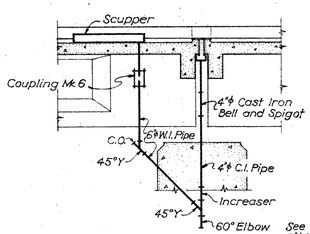
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	36	68.



DRAINAGE PLAN
Scale: 1" = 20'

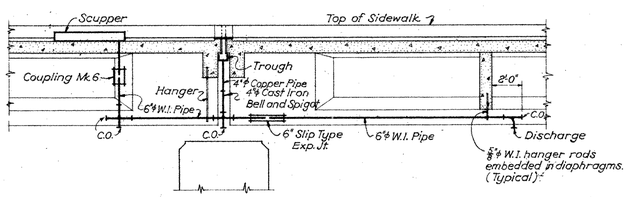


SCHEMATIC ELEVATION
No Scale

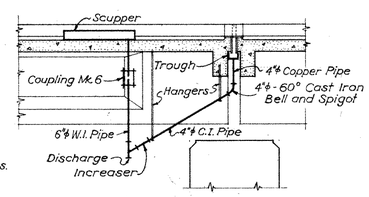


See sheet P.R. 7 for 6"ϕ W.I. Pipe in pier.

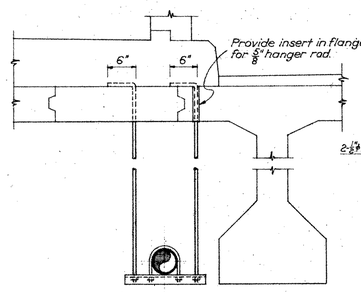
DETAIL "G"
Scale: 1/4" = 1'-0"



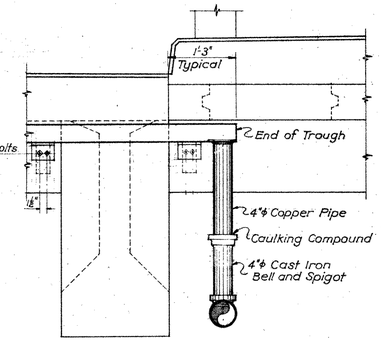
DETAIL "A"
Scale: 1/4" = 1'-0"



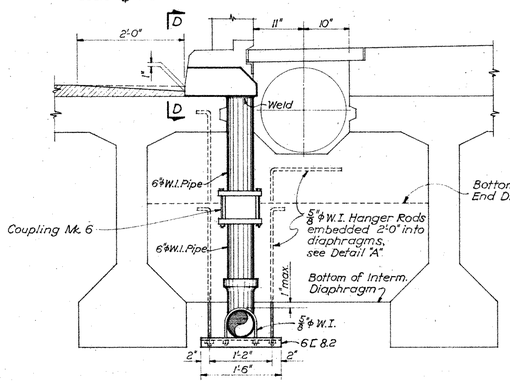
DETAIL "B"
Scale: 1/4" = 1'-0"



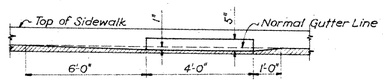
SECTION F-F
Scale: 3/4" = 1'-0"



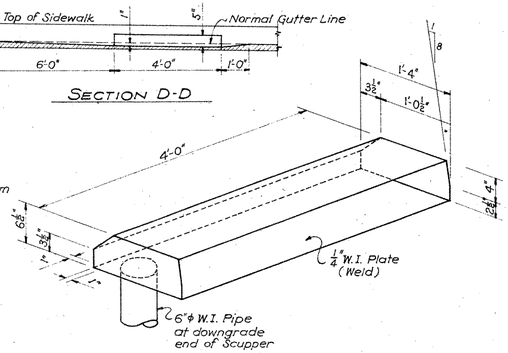
SECTION E-E
Scale: 3/4" = 1'-0"



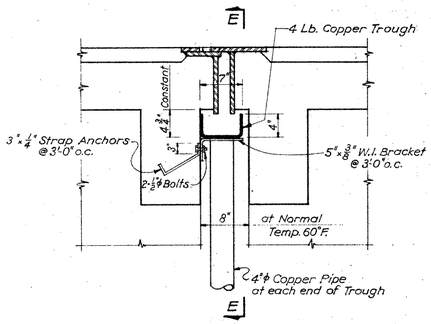
SECTION C-C
Scale: 3/4" = 1'-0"



SECTION D-D



SCUPPER DETAIL
Scale: 1" = 1'-0"



TROUGH DETAIL
Scale: 1" = 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER

DRAINAGE

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY S.A.M. DATE 1957
APPROVED William S. Hawkins DATE 1957

PROJECT NO. 87-78
BRIDGE SHEET NO. PR-14 OF 15

C. B. CO., NO. 924 40998 409-

87 78

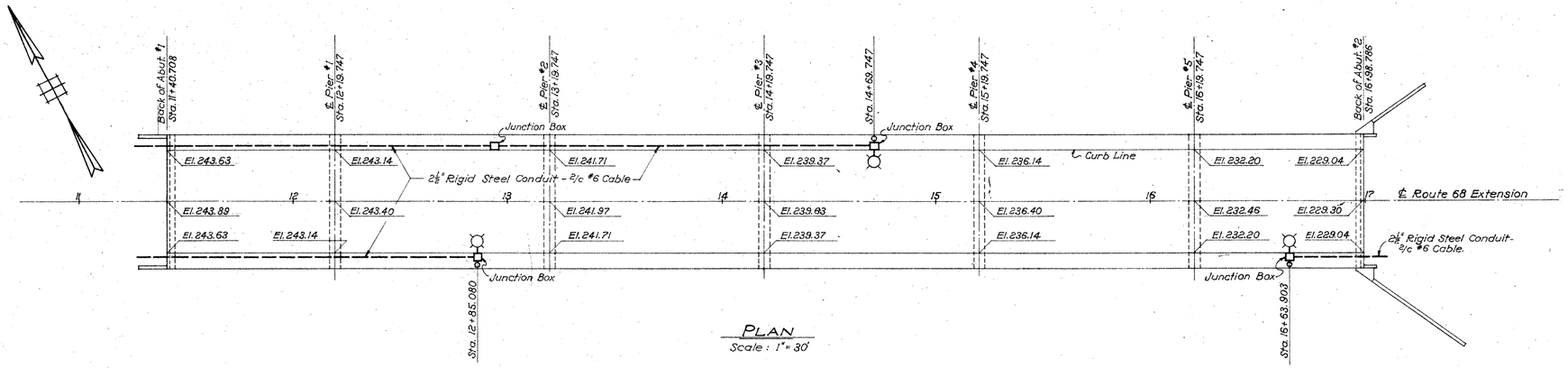
208 02

NA-8D-99

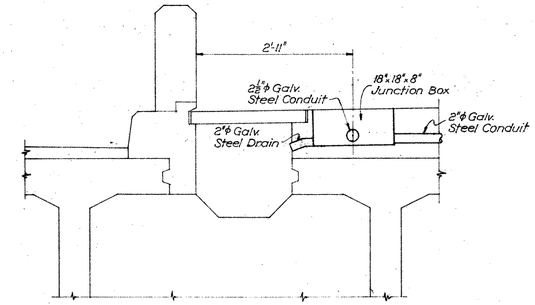
36

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	37	88

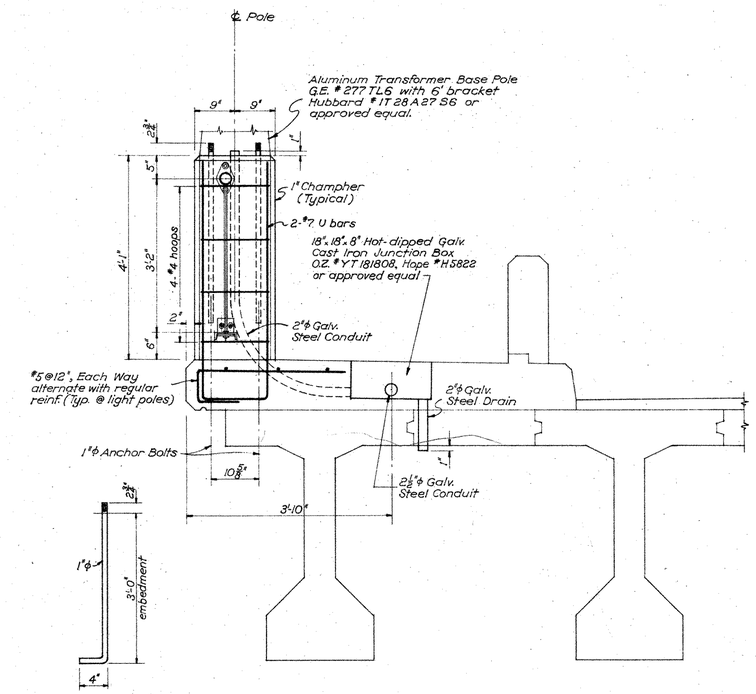
NO REVISIONS SUBMITTED FOR THIS SHEET



PLAN
Scale: 1" = 30'

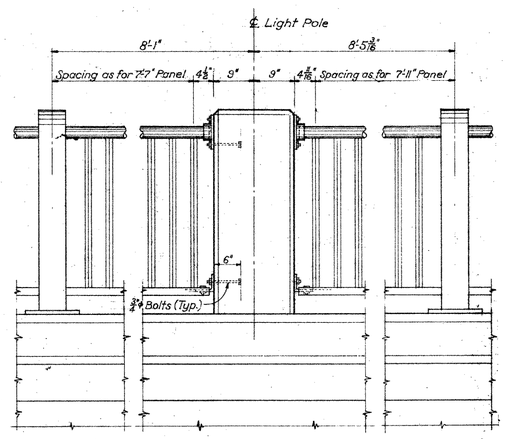


DETAIL AT PIPE-TRENCH
Scale: ¾" = 1'-0"

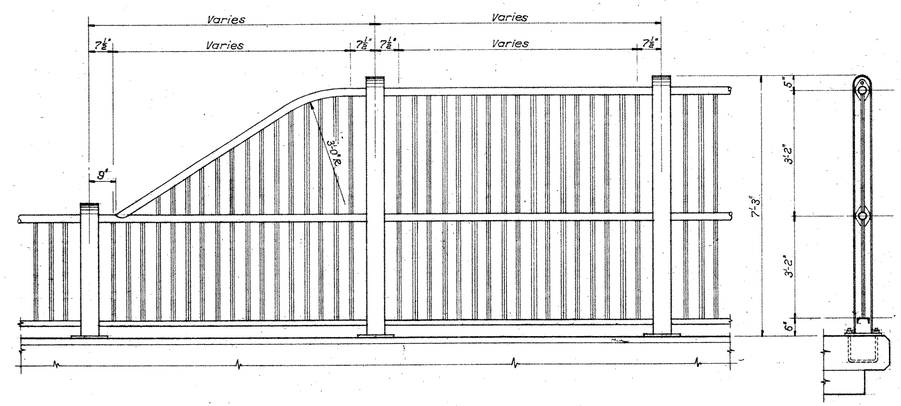


ANCHOR BOLT DETAIL

SECTION AT LIGHT POLE
Scale: ¾" = 1'-0"



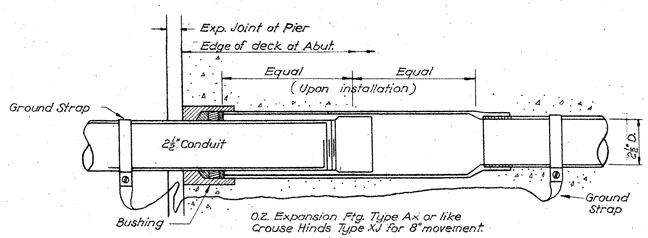
ELEVATION AT LIGHT POLE
Scale: ¾" = 1'-0"



HIGH RAILING DETAIL AT N.Y., N.H. & H. R.R.
N.T.S.

NOTES:

For location, extent and post spacing of high railing see sheet PR-1.
For spindle spacing, dimensions and details not shown, see sheet PR-12.
For location of light poles see sheet PR-1.



DETAIL OF EXPANSION FITTING
Scale: 3" = 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
ROUTE 68 EXTENSION
OVER
NAUGATUCK RIVER
LIGHTING

DESIGNED BY EDWARDS, KELCEY AND BECK
SCALES AS SHOWN
MADE BY J.C.H. DATE 1957
CHECKED BY S.A.M. DATE 1957
APPROVED William S. Hanover DATE 1957
PROJECT NO. 87-78
BRIDGE SHEET NO. PR-15 OF 15

C. B. CO., NO. 284

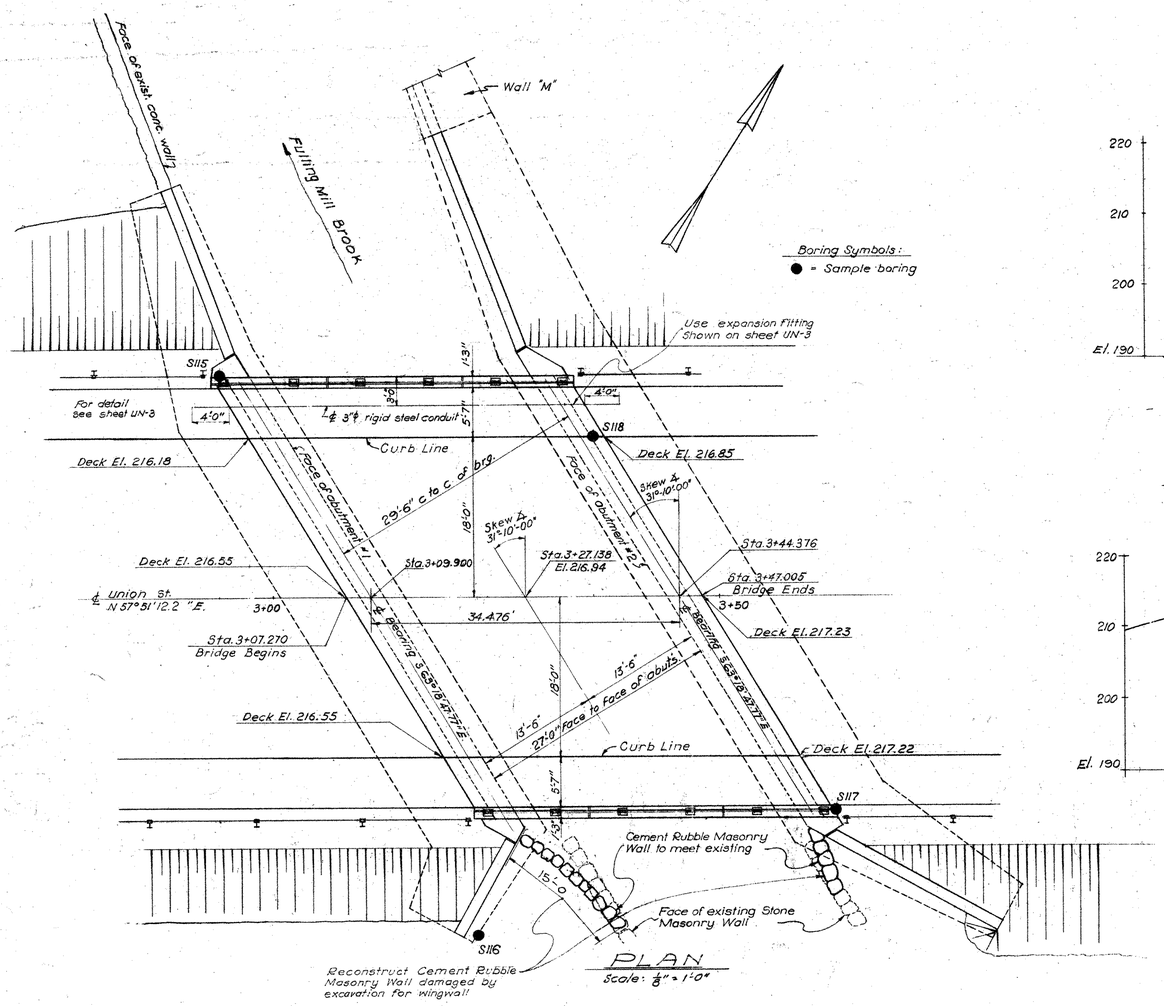
87 78

208 02

NA-BD-161 37

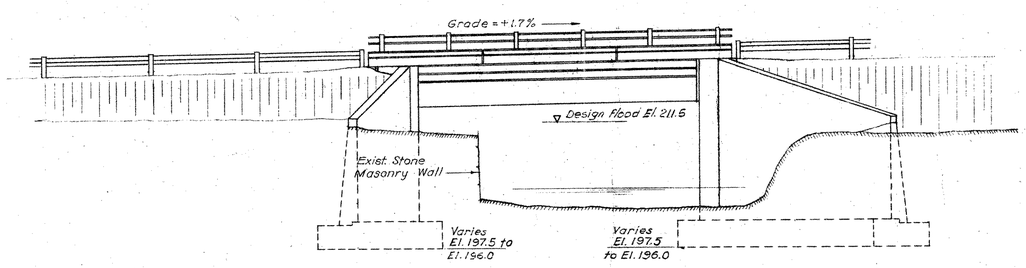
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	38	88

NO REVISIONS SUBMITTED FOR THIS SHEET



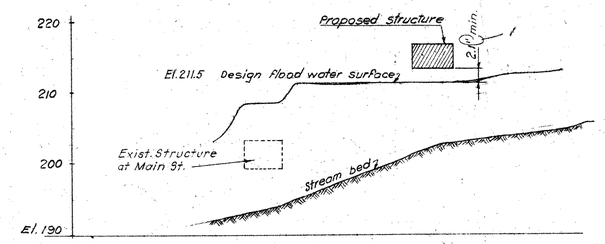
PLAN

Scale: 1/8" = 1'-0"



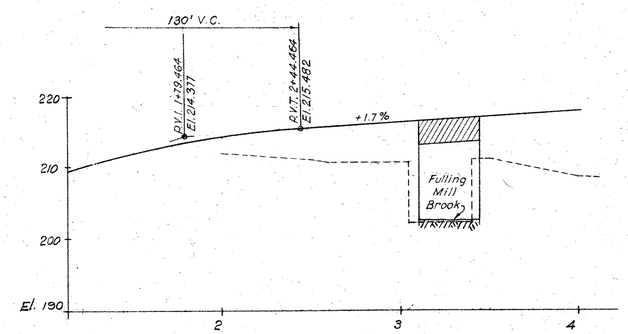
ELEVATION

Scale: 1/8" = 1'-0"



FULLING MILL BROOK PROFILE

Scales: Vert.: 1" = 10', Horiz.: 1" = 100'



UNION STREET PROFILE

Scales: Vert. 1" = 10' – Horiz. 1" = 40"

QUANTITIES			
ITEM No	QUANTITY	UNIT	ITEM
7A	1.500	C.Y.	Structure Excavation (Complete)
163A	625	C.Y.	Class "A" Concrete
173	10	S.F.	1/4" Premoulded Bit. Jt. Filler for Bridges
174	130	S.F.	1/2" Premoulded Bit. Jt. Filler for Bridges
176	35	S.F.	1 1/2" Premoulded Bit. Jt. Filler for Bridges
188	41.700	Lb	Deformed Steel Bars
191	37.500	Lb	Structural Steel
199	365	S.Y.	Dampproofing
203	—	L.S.	Removal of Superstructure
204A	82	L.F.	Metal Bridge Rail
208	2.000	C.Y.	Pervious Structure Backfill
182A	55	C.Y.	Cement Rubble Masonry
346A	50	L.F.	3" Rigid Steel Conduit

CONCRETE DISTRIBUTION

Superstructure	77 C.Y.
Substructure	322 C.Y.
Footings	226 C.Y.
TOTAL	625 C.Y.

GENERAL NOTES

SPECIFICATIONS: Connecticut State Highway Department, Standard Specifications Form 808, January 1955 as supplemented by Special Provisions.
Standard Specifications for Highway Bridges (AASHO-1953) except as supplemented by the Connecticut State Highway Department Standard Bridge Details for Contracting Engineers (February 1956)
American welding Society Specifications for Welded Highway and Railroad Bridges, including latest revisions.

LIVE LOAD: A.A.S.H.O. H 20-S16-44

DEAD LOAD: Allowance for future pavement 25 lbs per sq. ft of roadway.

CONCRETE: Class "A" Concrete shall be used throughout. Exposed corners shall be chamfered 1"×1" unless otherwise dimensioned. (See Spec. Provision)

DEFORMED STEEL BARS: All reinforcing steel shall conform to A.S.T.M.-A-305.

STRUCTURAL STEEL: Structural steel shall conform to A.S.T.M.-A7 except as noted.

PAINTING: For shop and field painting of Structural Steel and Metal Bridge Rail see Special Provisions

JOINT SEAL: This shall be included in the item for Class "A" Concrete. See Special Provisions for Class "A" Concrete.

TAR PAPER: The cost of furnishing and placing two layers of threeply tar paper on top of backwalls shall be included in the item for Class "A" Concrete.

Quantities: Quantities are approximate only and do not relieve the Contractor of the responsibility of checking them in preparing his bid.

INDEX OF BRIDGE DRAWINGS	
SHEET No	TITLE
UN-1	General Plan and Profiles
UN-2	Framing Plan and Details
UN-3	Slab Plan and Details
UN-4	Abutment #1
UN-5	Abutment #2
UN-6	Borings

FED. AID PROJ. US-80 (1)

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
UNION STREET
OVER
FULLING MILL BROOK

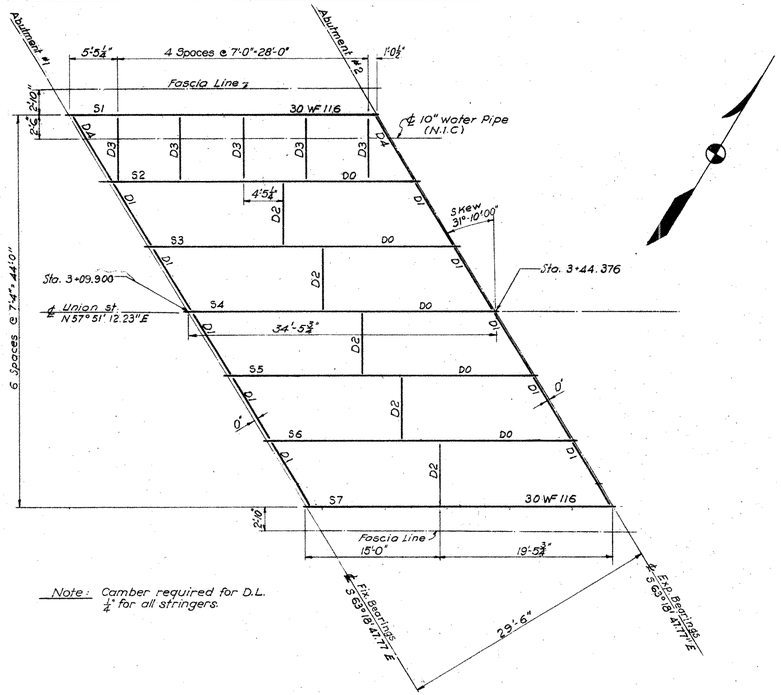
GENERAL PLAN AND PROFILES

REVISIONS		
NO.	DATE	DESCRIPTION

DESIGNED BY EDWARDS, KELCEY AND BECK
SCALES AS SHOWN
MADE BY J.L.A. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William A. Hawkins DATE 1957
PROJECT NO. 87-78
BRIDGE SHEET NO. UN-1 OF 6

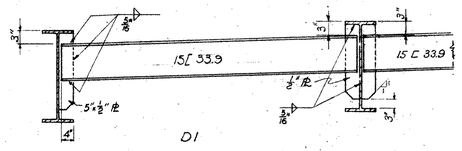
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	39	68

NO REVISIONS SUBMITTED FOR THIS SHEET

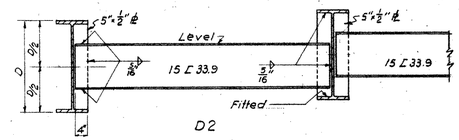


Note: Camber required for D.L. ¼" for all stringers.

FRAMING PLAN
Scale: ⅛" = 1'-0"



AT ABUTMENT

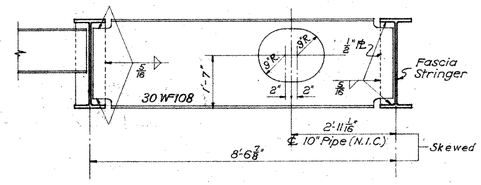


INTERMEDIATE

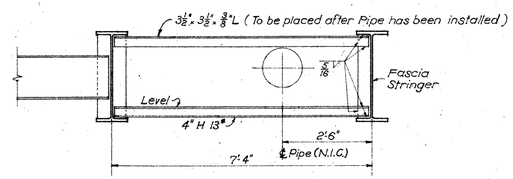
TYPICAL DIAPHRAGM DETAILS
Scale: ½" = 1'-0"

DIAPHRAGM NOTE:

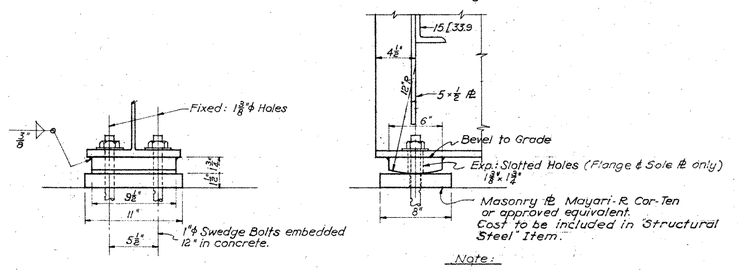
Diaphragms in outside bays to be initially connected to allow for differential deflection of beams under the load of superstructure concrete and shall be fully connected after concrete has set. All other diaphragm connections shall be completed at time of erection.



D4

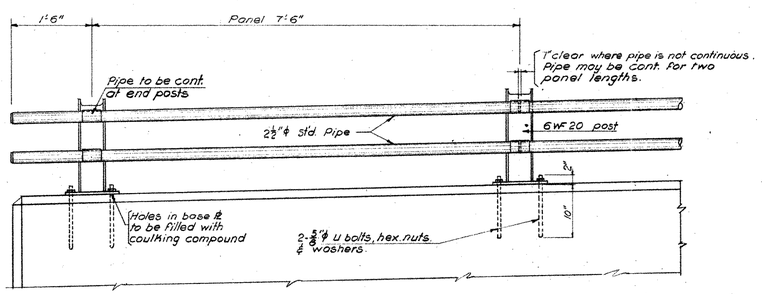


D3

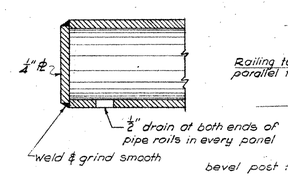


Note:
Nuts to be drawn up finger tight, then backed off ⅛ turn and threads of bolt burred off at face of nut with a pointed tool.

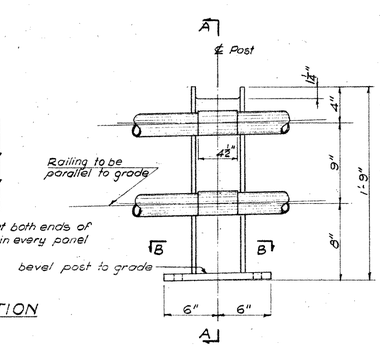
BEARING DETAILS
Scale: 1½" = 1'-0"



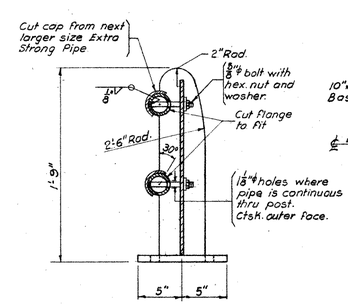
PARTIAL ELEVATION
Scale: ¾" = 1'-0"



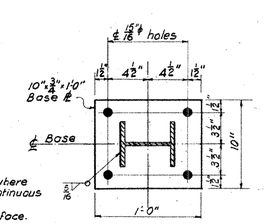
RAIL END SECTION
Scale: ½ size



POST ELEVATION
Scale: 1½" = 1'-0"



SECTION A-A
Scale: 1½" = 1'-0"



SECTION B-B
Scale: 1½" = 1'-0"

RAILING NOTES

For painting see Special Provisions
Railing posts shall be truly vertical. If necessary shim with Lead Wool and caulk.
Cost to be included in item "Metal Bridge Rail".

Cost of furnishing and setting U-bolts to be included in item "Metal Bridge Rail"

Post and Base Plate to conform to ASTM-A-7

TYPICAL RAILING DETAILS

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

UNION STREET
OVER
FULLING MILL BROOK

FRAMING PLAN AND DETAILS

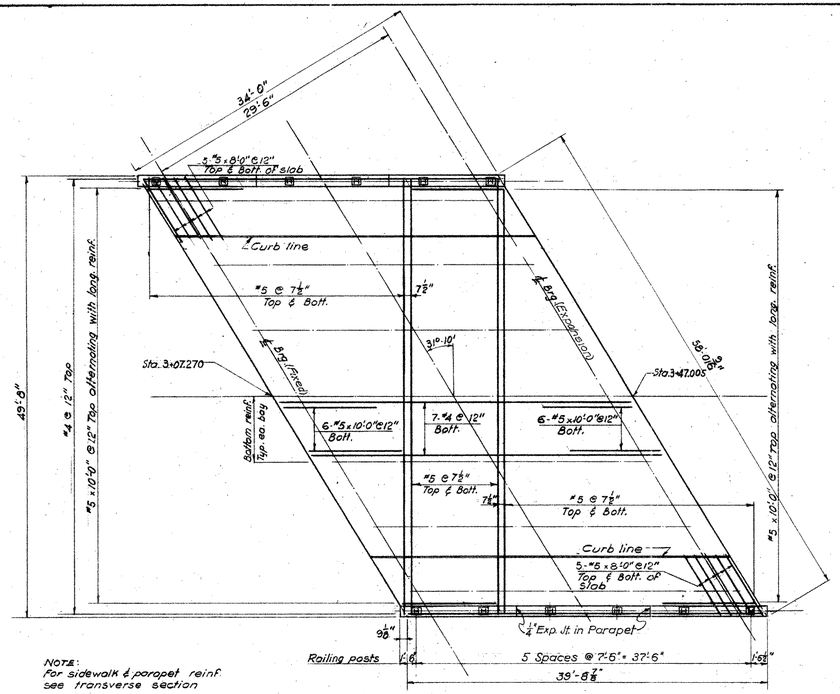
DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY J.L.A. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William L. Hansen DATE 1957

PROJECT NO. 87-78
BRIDGE SHEET NO. UN-2 OF 6

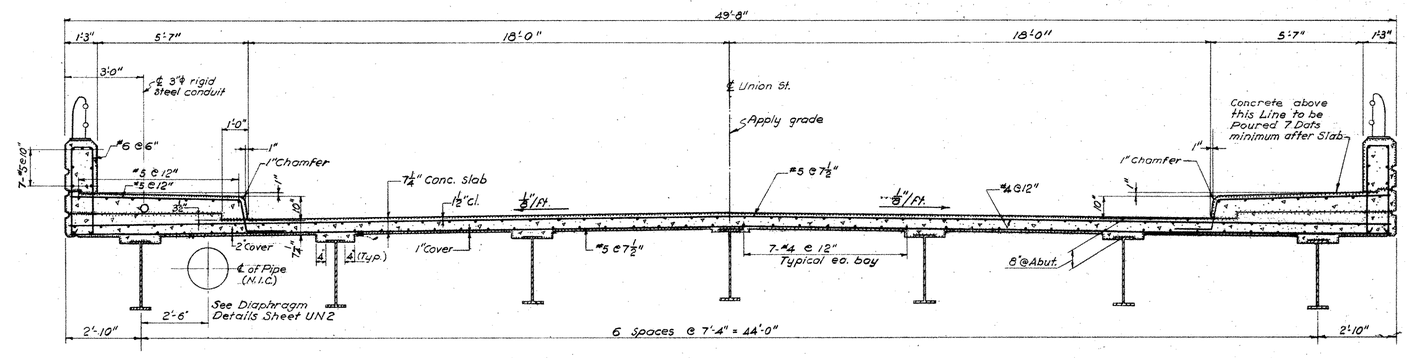
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	40	88

NO REVISIONS SUBMITTED FOR THIS SHEET

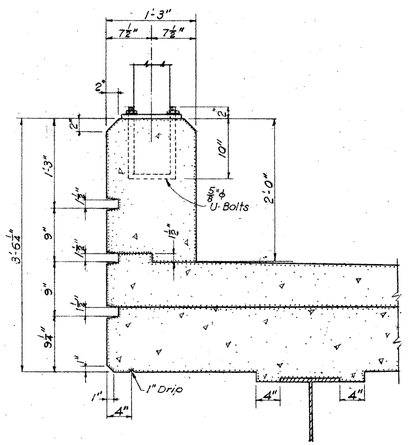


NOTE:
For sidewalk & parapet reinf. see transverse section

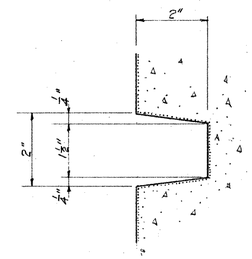
DECK REINFORCEMENT PLAN
Scale: ⅛" = 1'-0"



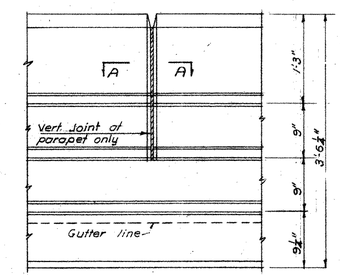
TRANSVERSE SECTION
Scale: ⅜" = 1'-0"



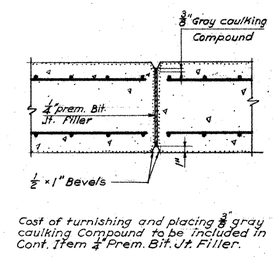
PARAPET & FASCIA DETAIL
Scale: 1" = 1'-0"



RUSTICATION DETAIL
Scale: Half size

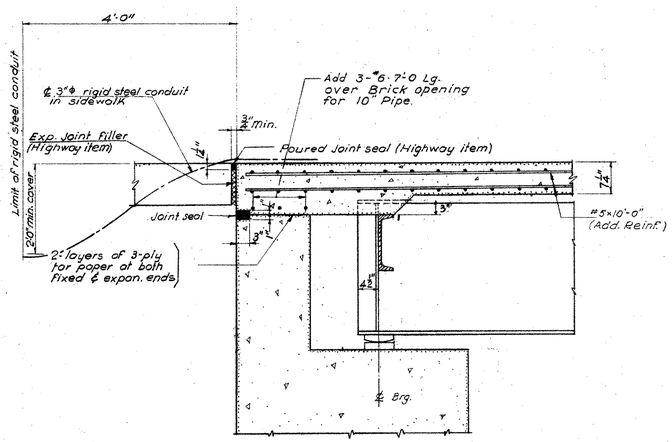


PARTIAL PARAPET ELEVATION
Scale: 1" = 1'-0"

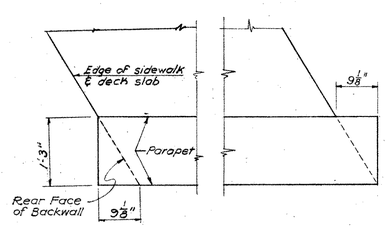


Cost of furnishing and placing ⅜" gray caulking Compound to be included in Cont. Item ¼" Prem. Bit. Jt. Filler.

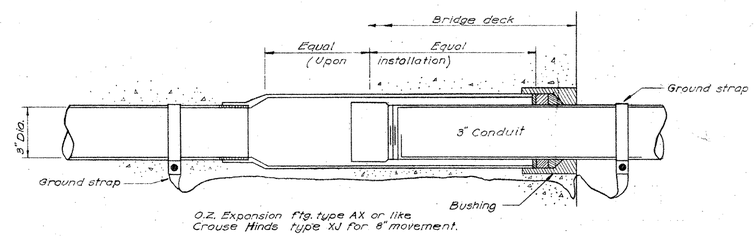
SECTION A-A
Scale: 1" = 1'-0"



END DETAIL
Scale: ¾" = 1'-0"



PARAPET CORNER DETAIL
Scale: ¾" = 1'-0"



DETAIL OF EXPANSION FITTING
No Scale

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

UNION STREET
OVER
FULLING MILL BROOK

SLAB PLAN AND DETAILS

DESIGNED BY EDWARDS, KELCEY AND BECK

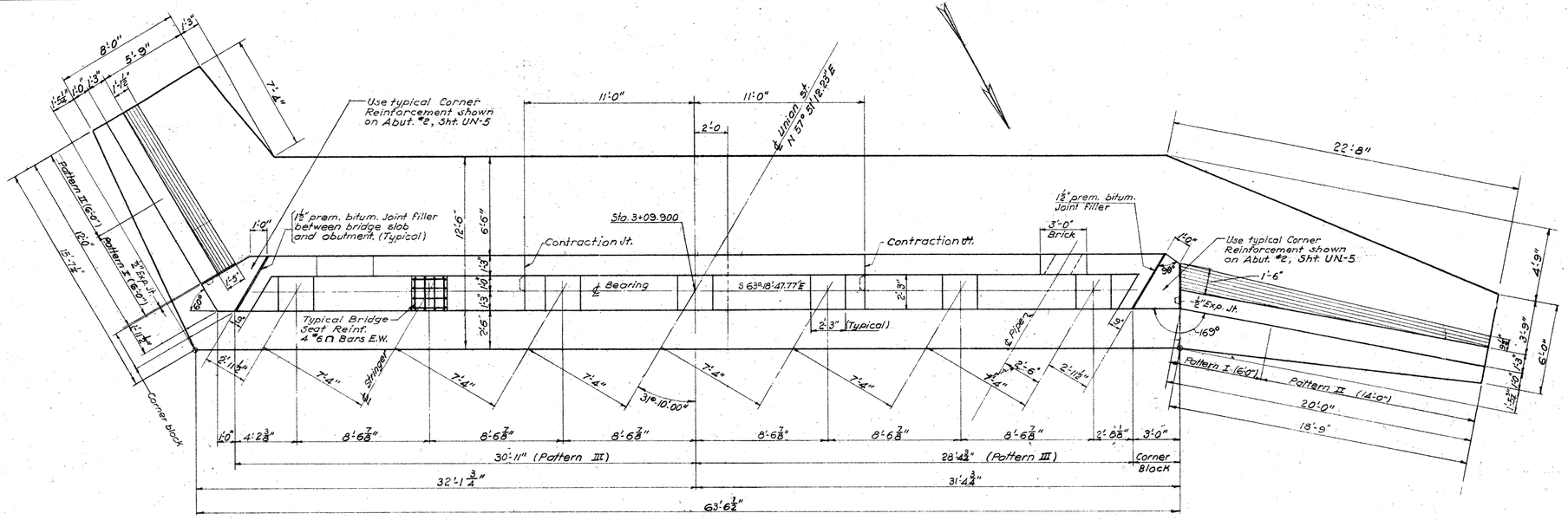
SCALES AS SHOWN
MADE BY J.L.A. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William R. Hanson DATE 1957

PROJECT NO. 87-78
BRIDGE SHEET NO. UN-3 OF 6

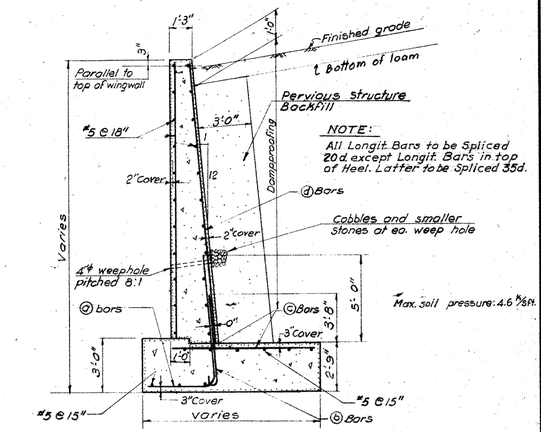
NA-8D-28

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	41	88

NO REVISIONS SUBMITTED FOR THIS SHEET



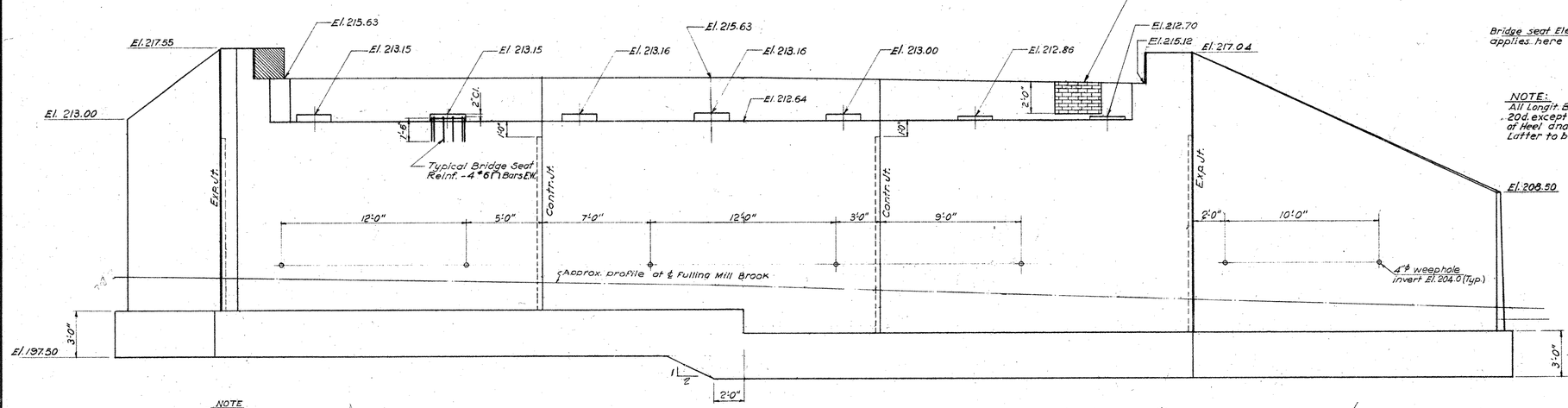
PLAN
Scale: ¼" = 1'-0"



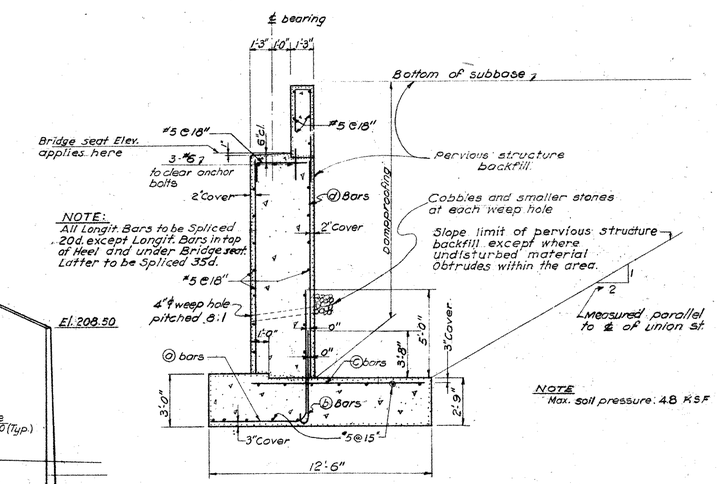
NOTE:
All Longit. Bars to be Spliced 20d except Longit. Bars in top of Heel. Latter to be Spliced 35d.

TYPICAL WINGWALL SECTION
Scale: ¼" = 1'-0"

Place regular reinf. steel and cut off those which interfere with pipe. Use brick to form opening; then remove when pipe is installed; pour concrete to close area. Payment under item "Class "A" concrete."



ELEVATION
Scale: ¼" = 1'-0"



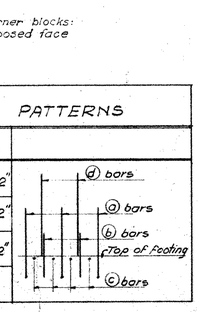
NOTE:
All Longit. Bars to be Spliced 20d except Longit. Bars in top of Heel and under Bridge seat. Latter to be Spliced 35d.

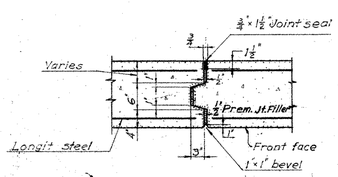
TYPICAL ABUTMENT SECTION
Scale: ¼" = 1'-0"

NOTE
Reinforcement in corner blocks: #5 @ 18" both ways, exposed face only.

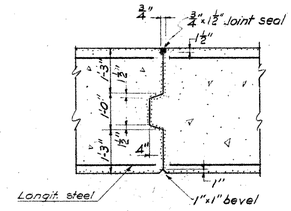
MAIN REINFORCEMENT PATTERNS

Pattern	ⓐ bars	ⓑ bars	ⓒ bars	ⓓ bars
I	#5 @ 12"	#7 @ 12"	#8 @ 6"	#7 @ 12"
II	#5 @ 12"	#5 @ 12"	#8 @ 9"	#5 @ 12"
III	#5 @ 12"	#6 @ 12"	#7 @ 6"	#6 @ 12"

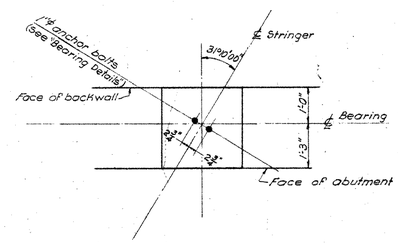




DETAIL OF EXPANSION JT.
Scale: ¾" = 1'-0"



DETAIL OF CONTRACTION JT.
Scale: ½" = 1'-0"



ANCHOR BOLT SETTING DIAGRAM
Scale: ½" = 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

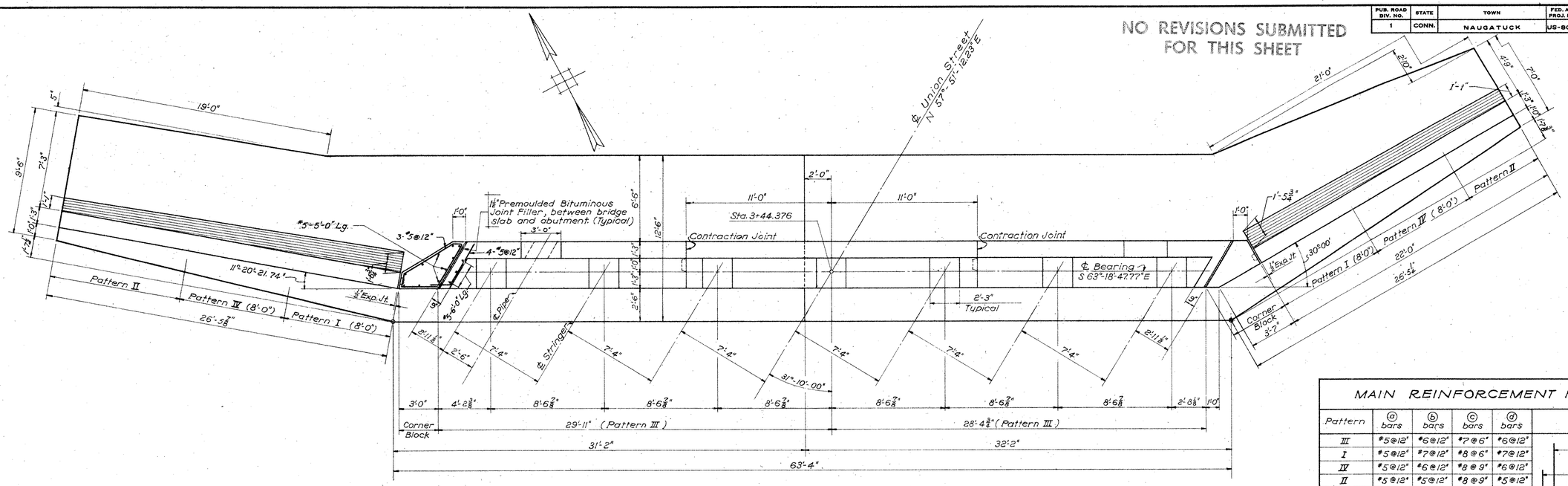
CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
UNION STREET
OVER
FULLING MILL BROOK
ABUTMENT #1

DESIGNED BY EDWARDS, KELCEY AND BECK
SCALES AS SHOWN
MADE BY J.L.A. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William L. Hawkes DATE 1957
PROJECT NO. 87-78
BRIDGE SHEET NO. UN-4 OF 6

C. B. CO., NO. 284 40998 408-4 87 78 208 02 NA-8D-30 41

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	42	88

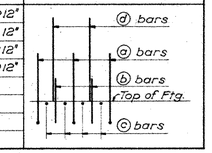
NO REVISIONS SUBMITTED FOR THIS SHEET



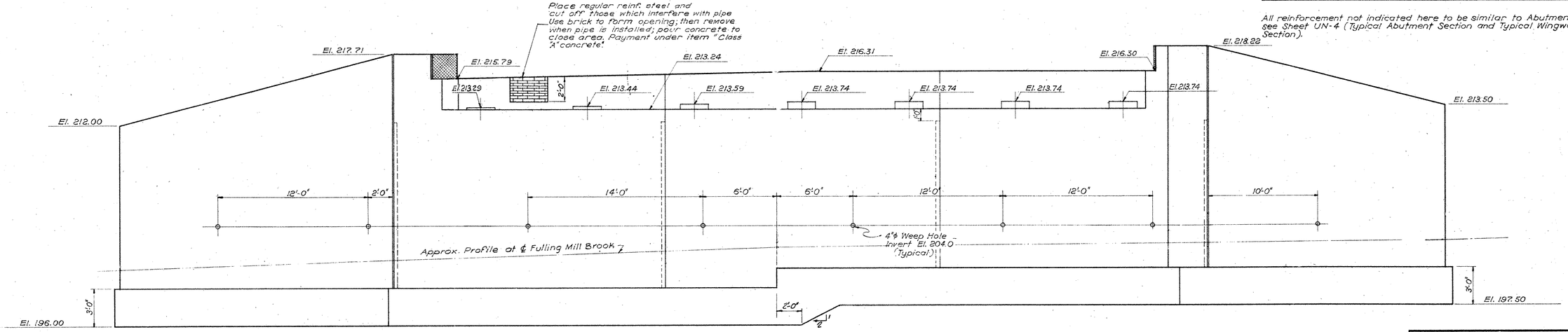
PLAN

Scale: ¼" = 1'-0"

MAIN REINFORCEMENT PATTERNS				
Pattern	ⓐ bars	ⓑ bars	ⓒ bars	ⓓ bars
III	#5@12"	#6@12"	#7@6"	#6@12"
I	#5@12"	#7@12"	#8@6"	#7@12"
IV	#5@12"	#6@12"	#8@9"	#6@12"
II	#5@12"	#5@12"	#8@9"	#5@12"



All reinforcement not indicated here to be similar to Abutment #1 see Sheet UN-4 (Typical Abutment Section and Typical Wingwall Section).



ELEVATION

Scale: ¼" = 1'-0"

Notes:

For typical abutment wingwall sections, Exp.& contraction Joint see Sheet UN-4
For Anchor Bolt Setting Diagram see Sheet UN-4.
Max. soil pressure - 4.8 KSF
For typical Bridge Pad Reinforcement see Sht. UN-4

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

UNION STREET OVER FULLING MILL BROOK

ABUTMENT #2

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY J.L.A. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William L. Hanavan DATE 1957

PROJECT NO. 87-78
BRIDGE SHEET NO. UN-5 OF 6

C. S. CO., NO. 384 40099 A08-5 87 78

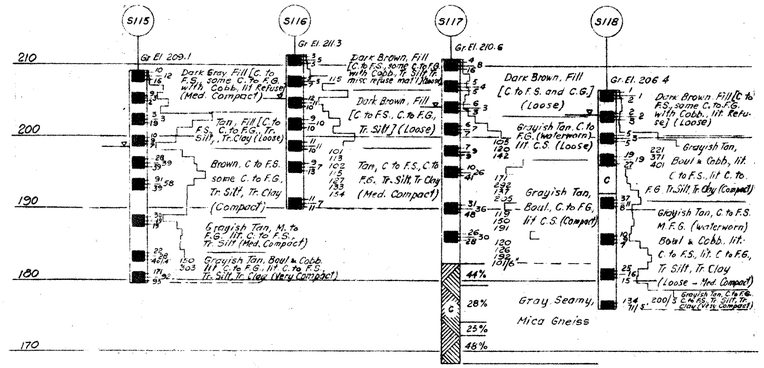
208 02

NA-8D-31

42

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-801	87-78	1958	68	43	68

NO REVISIONS SUBMITTED FOR THIS SHEET.

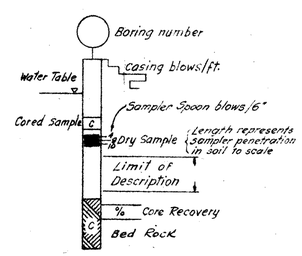


Scale

Vert. 1" = 10'

Casing 1" = 100 Blows

Casing I.D.	2 1/2"	Sampler I.D.	1 3/8"	Core barrel I.D.	1 3/8"
Hammer Wt.	300 lbs.	Hammer Wt.	140 lbs.	Type	Ax
Hammer Fall	24"	Hammer Fall	30"	Diamond bit	



KEY

C.	Coarse
F.	Fine
M.	Medium
G.	Gravel
S.	Sand
Boul.	Boulders
Cobb.	Cobbles
lit.	little
Tr.	Trace
Mica.	Micaceous
Misc.	Miscellaneous

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK

UNION STREET
OVER
FULLING MILL BROOK

BORINGS

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY Y.A. DATE 1957
CHECKED BY C.D.V. DATE 1957
APPROVED William S. Hammond DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. UN-6 OF 6

C. H. CO. NO. 324

87 78

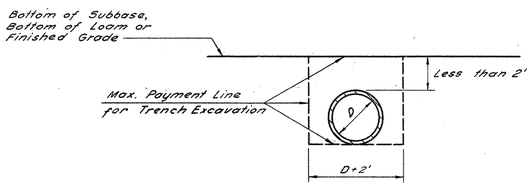
208 02

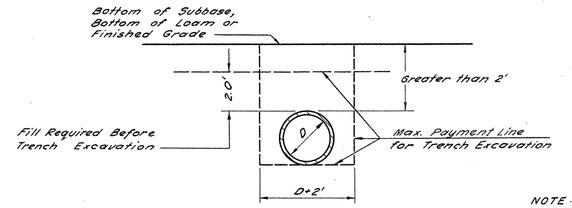
43

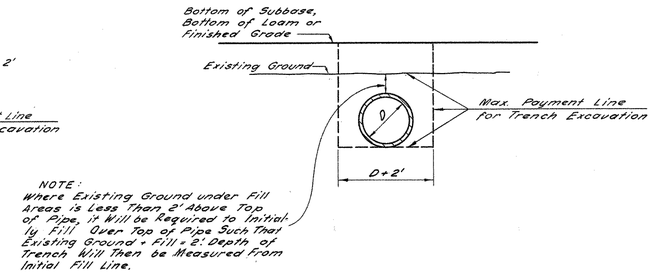
FORM NO. ENG. 19 ED. 11-52

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	44	88

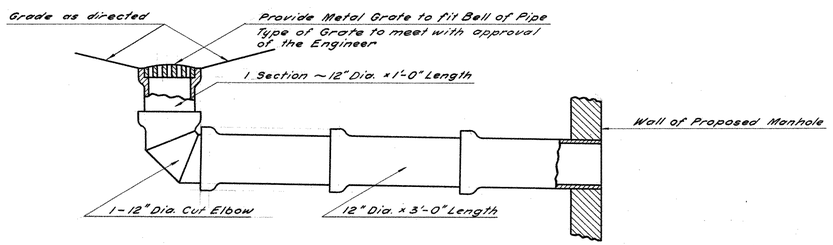
NO REVISIONS SUBMITTED FOR THIS SHEET



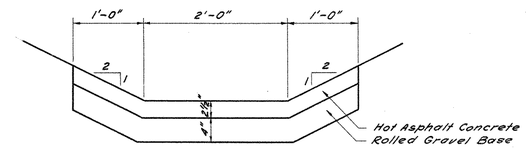




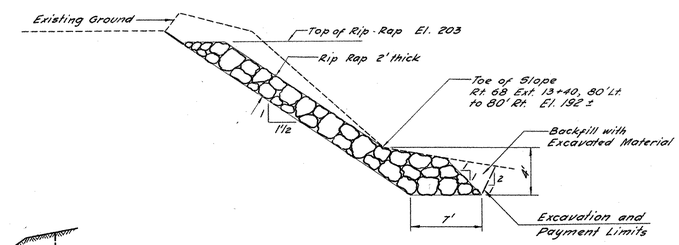
TRENCHING IN FILL AREAS



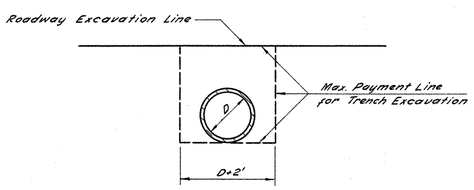
12" TILE LAWN DRAIN



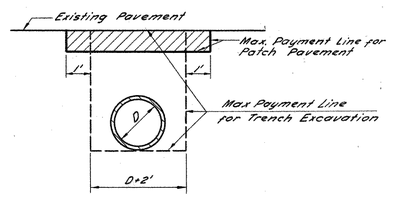
PAVED DITCH



TYPICAL SECTION
RIP RAP
WEST BANK OF NAUGATUCK RIVER

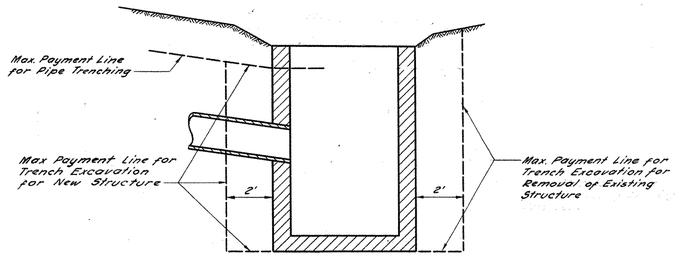


TRENCHING IN CUT AREAS



NOTE:
Patch Pavement and Subbase to be Same Material and Thickness as Roadway Construction for the Respective Street.

TRENCHING BEYOND LIMIT OF CONSTRUCTION



TRENCHING FOR STRUCTURE

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

CONSTRUCTION DETAILS

TRENCHING, RIP RAP, LAWN DRAIN AND PAVED DITCH

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES NOT TO SCALE

MADE BY EDWARDS, KELCEY AND BECK DATE 1957

CHECKED BY EDWARDS, KELCEY & BECK DATE 1957

APPROVED William R. Hanaway DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. ____ OF ____

"ARCHRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 11810

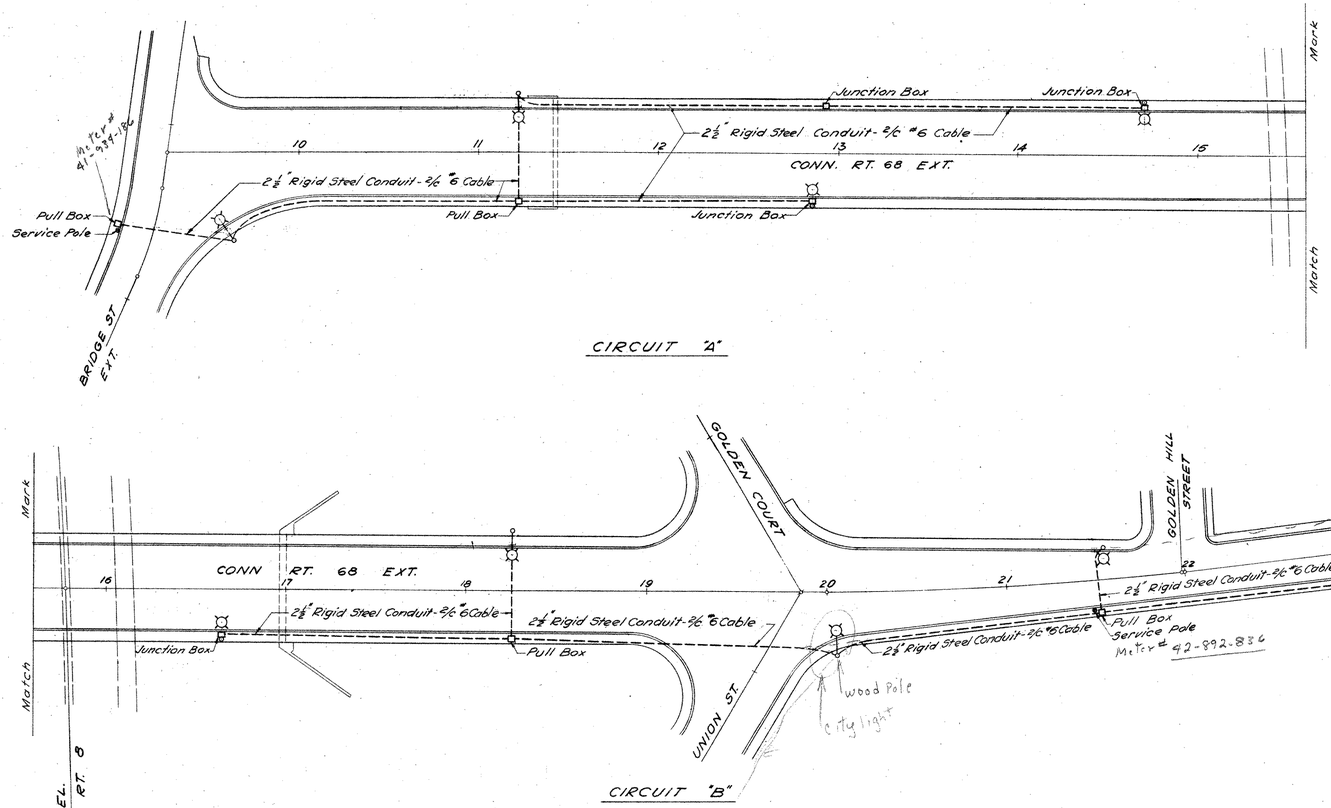
87 78

208 02

44

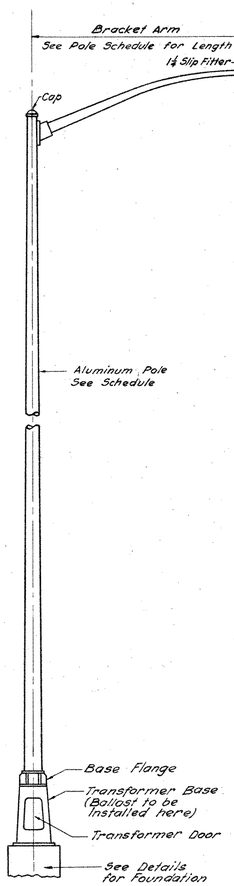
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	45	88

NO REVISIONS SUBMITTED FOR THIS SHEET



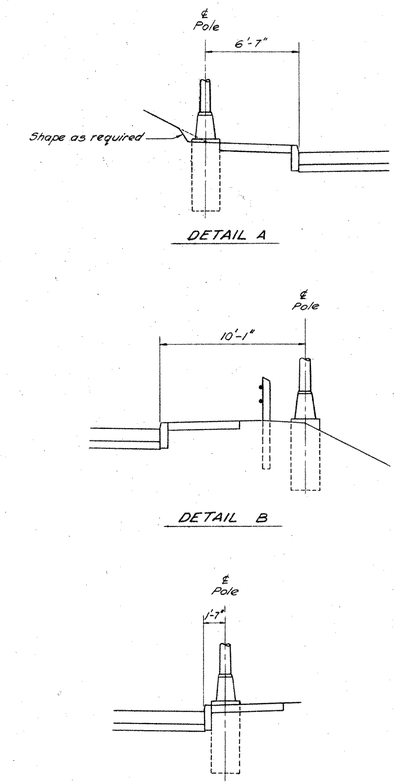
ROADWAY ILLUMINATION - LAYOUT

Scale: 1" = 40'



LIGHTING STANDARD

(Not to Scale)



LATERAL LOCATION DETAILS

(Not to Scale)

POLE SCHEDULE

	LOCATION	MOUNTING HEIGHT (NOMINAL)	BRACKET LENGTH	CATALOG REFERENCE (OR APPROVED EQUAL)	LATERAL LOCATION	LAMP OUTPUT	LAMP WATTAGE
CIRCUIT "A"	9+58, Rt.	30'	10'	G.E. #308 TK 10 HUBBARD #1732A30Y10	B	21,000 Lumens	400
	11+22, Lt.	30'	6'	G.E. #308 TL 6 HUBBARD #1732A30S6	A	Do	Do
	12+87, Rt.	30'	6'	G.E. #257 TL 6 HUBBARD #1728A25S6	See Bridge Dwgs.	Do	Do
	14+70, Lt.	30'	6'	Do	Do	Do	Do
CIRCUIT "B"	16+64, Rt.	30'	6'	Do	Do	Do	Do
	18+25, Lt.	30'	10'	G.E. #308 TK 10 HUBBARD #1732A30Y10	B	Do	Do
	20+05, Rt.	30'	10'	Do	B	Do	Do
	21+55, Lt.	30'	4'	G.E. #308 TL 4 HUBBARD #1732A30S4	C	11,000 Lumens	250
	23+05, Rt.	30'	4'	Do	C	Do	Do

NOTES:

1. All Poles to Have Transformer Bases for Housing Ballasts.
2. All Luminaires to provide I.E.S. Type III Distribution.
3. See Bridge Drawings for Pole Mounting Details on Bridge.

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

CONSTRUCTION DETAILS

ROADWAY LIGHTING

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN

MADE BY EDWARDS, KELCEY AND BECK DATE 1957

CHECKED BY EDWARDS, KELCEY & BECK DATE 1957

APPROVED William R. Hanavan DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. ___ OF ___

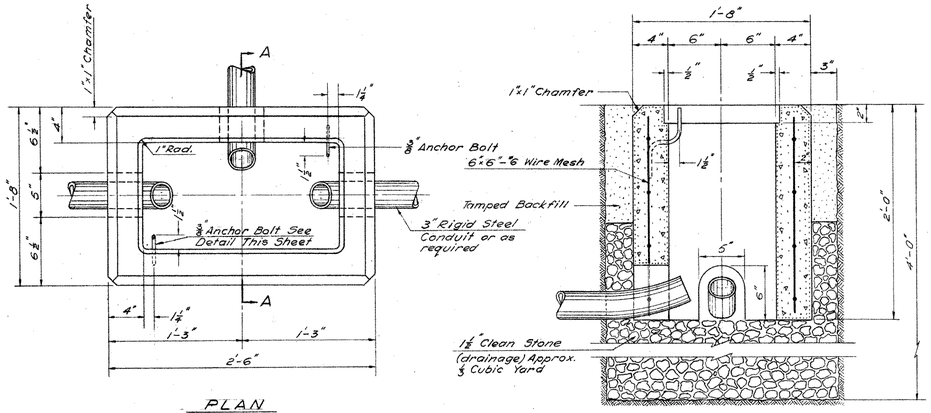
C. B. CO., NO. 354 40499

87 78

208 02

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	46	88

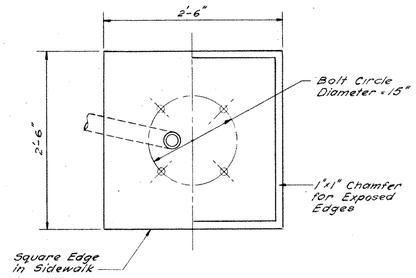
NO REVISIONS SUBMITTED FOR THIS SHEET



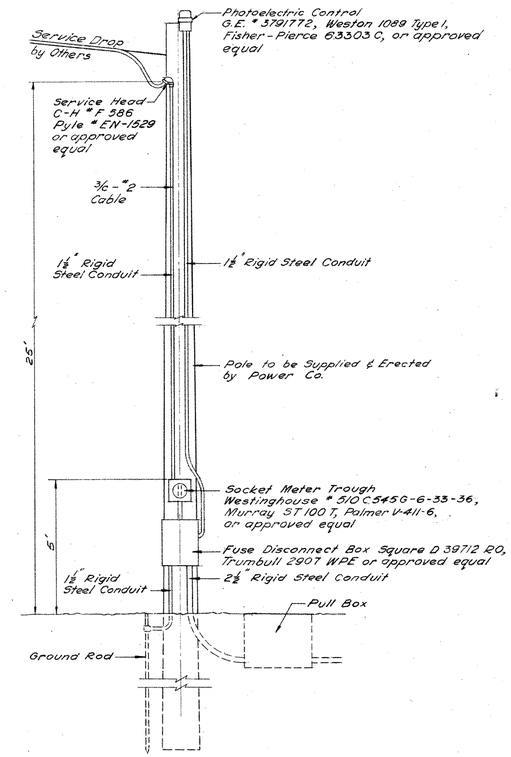
PLAN

SECTION A-A

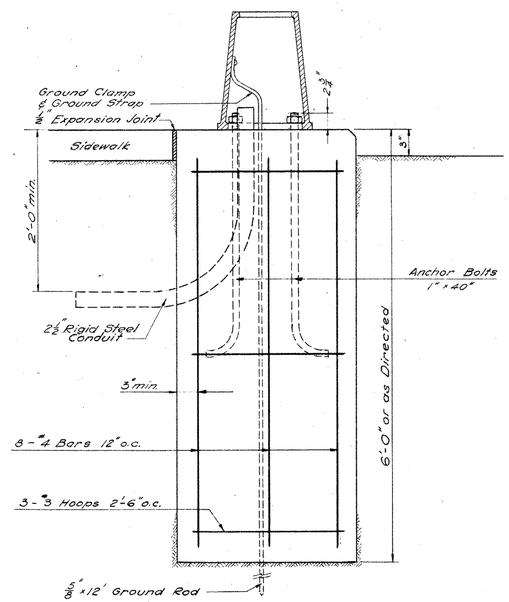
DETAIL
PRECAST CONCRETE PULL BOX
Scale: 1½"=1'-0"



PLAN

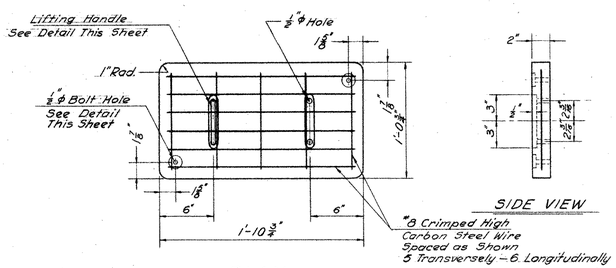


SERVICE POLE DETAILS
Scale: ⅜"=1'-0"



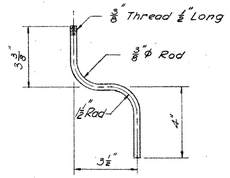
SECTION

FOUNDATION DETAILS
FOR LIGHTING STANDARD
Scale: 1"=1'-0"

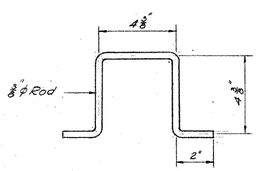


PLAN

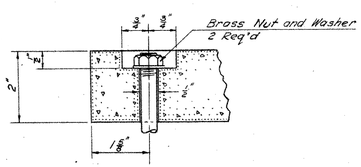
DETAIL
PRECAST CONCRETE PULL BOX COVER
Scale: 1½"=1'-0"



ANCHOR BOLT - 2 REQ'D
Scale: 3"=1'-0"



LIFTING HANDLE - 2 REQ'D
Scale: 3"=1'-0"



BOLT HOLE DETAIL
Scale: 6"=1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

CONSTRUCTION DETAILS

ROADWAY LIGHTING

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN

MADE BY EDWARDS, KELCEY AND BECK DATE 1957

CHECKED BY EDWARDS, KELCEY & BECK DATE 1957

APPROVED William C. Hansen DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. ___ OF ___

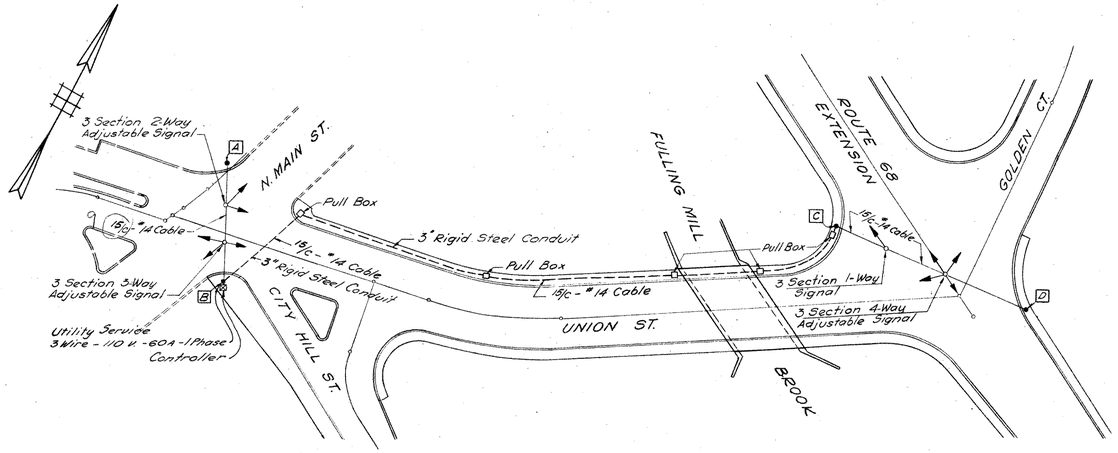
C. B. CO., NO. 554 40999

87 78

208 02

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	47	88

NO REVISIONS SUBMITTED FOR THIS SHEET

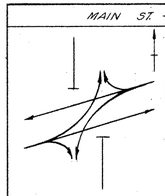
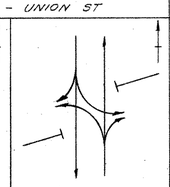
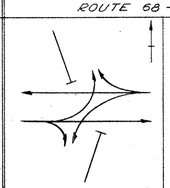
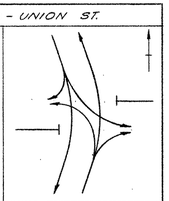


LAYOUT OF TRAFFIC CONTROL SIGNAL SYSTEM

Scale: 1" = 40'

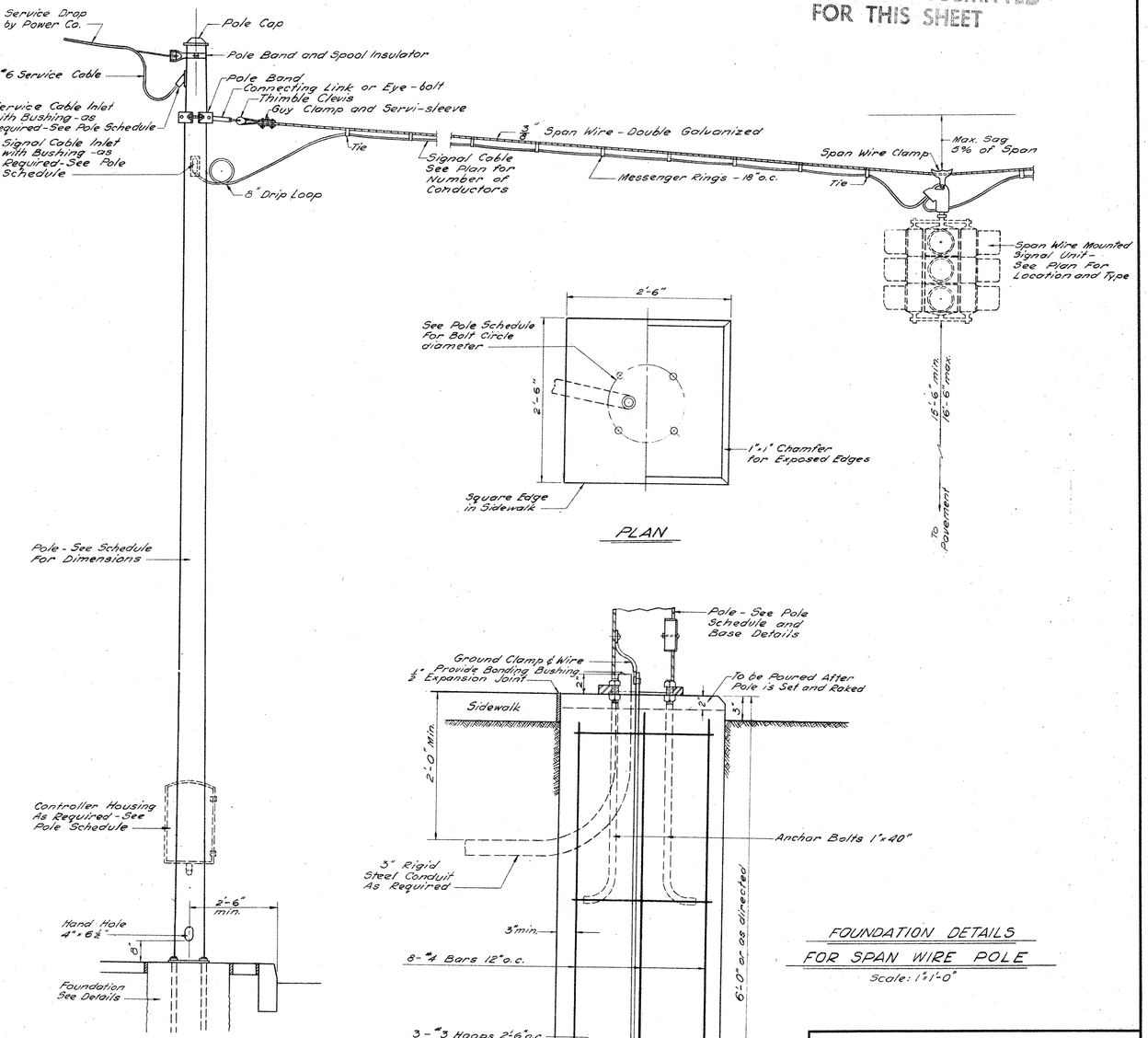
POLE SCHEDULE

POLE TYPE	POLE SIZE	GAUGE	RAKE	BOLT CIRCLE DIAMETER	BASE DIMENSION	APPURTENANT FEATURES
A	10" x 6.36" x 26'-0"	3	7.0"	13.5"	14.125"	—
B	10" x 6.36" x 26'-0"	3	7.0"	13.5"	14.125"	1. Overhead Service Cable Inlet 2. Signal Cable Inlet 3. Controller Housing 4. Interconnecting Conduit
C	11" x 7.08" x 28'-0"	3	7.5"	15.0"	15.625"	1. Overhead Service Cable Inlet 2. Signal Cable Inlet 3. Interconnecting Conduit
D	11" x 7.08" x 28'-0"	3	7.5"	15.0"	15.625"	—

	MAIN ST. - UNION ST				ROUTE 68 - UNION ST.			
								
PHASE	1		2		1		2	
No. & So. Approaches	R - 22 Sec. - 55%		G-15 Sec.-38.3%	A-3 Sec.-7%	R = 18 Sec. - 45%		G-19 Sec.-48%	A-3 Sec.-7%
East & West Approaches	G-19 Sec.-48%	A-3 Sec.-7%	R-18 Sec. - 45%		G-18 Sec.-38%	A-3 Sec.-7%	R-22 Sec - 55%	

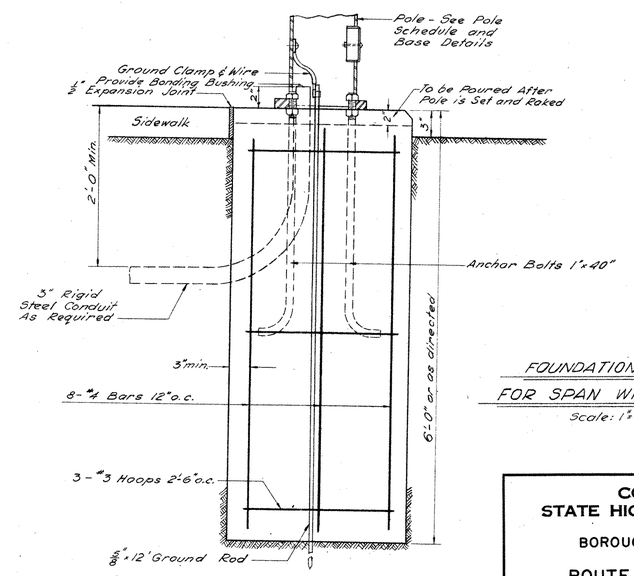
TOTAL CYCLE LENGTH = 40 SEC.

SIGNAL SEQUENCE



DETAILS OF POLE AND SPAN WIRE ASSEMBLY

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



SECTION

FOUNDATION DETAILS FOR SPAN WIRE POLE

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

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

CONSTRUCTION DETAILS

TRAFFIC CONTROL SIGNALS

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN

MADE BY EDWARDS, KELCEY AND BECK DATE 1957

CHECKED BY EDWARDS, KELCEY & BECK DATE 1957

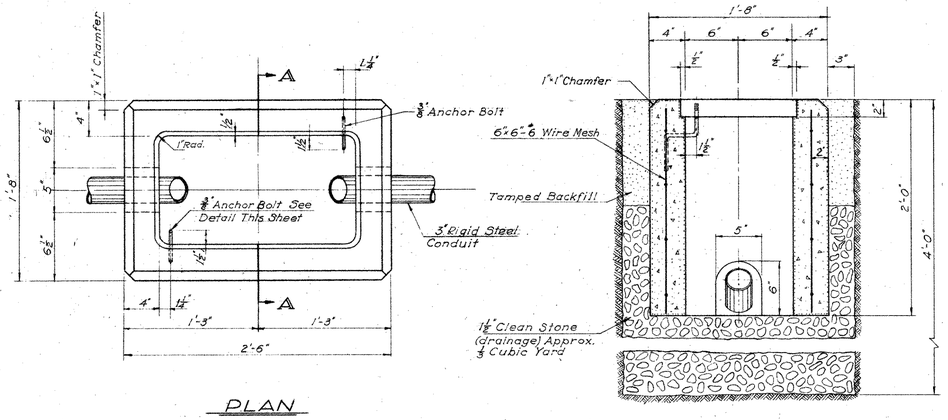
APPROVED William J. Hausman DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. ___ OF ___

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	48	88

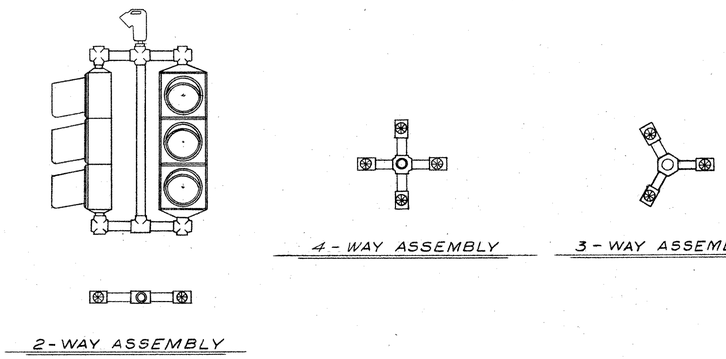
NO REVISIONS SUBMITTED FOR THIS SHEET



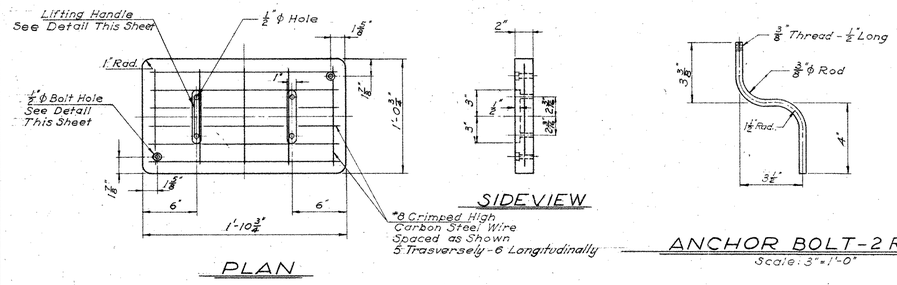
PLAN

SECTION A-A

DETAIL
PRECAST CONCRETE PULL BOX
Scale: 1½" = 1'-0"



TYPICAL SIGNAL UNITS FOR SPAN WIRE MOUNTING
Scale: ¾" = 1'-0"

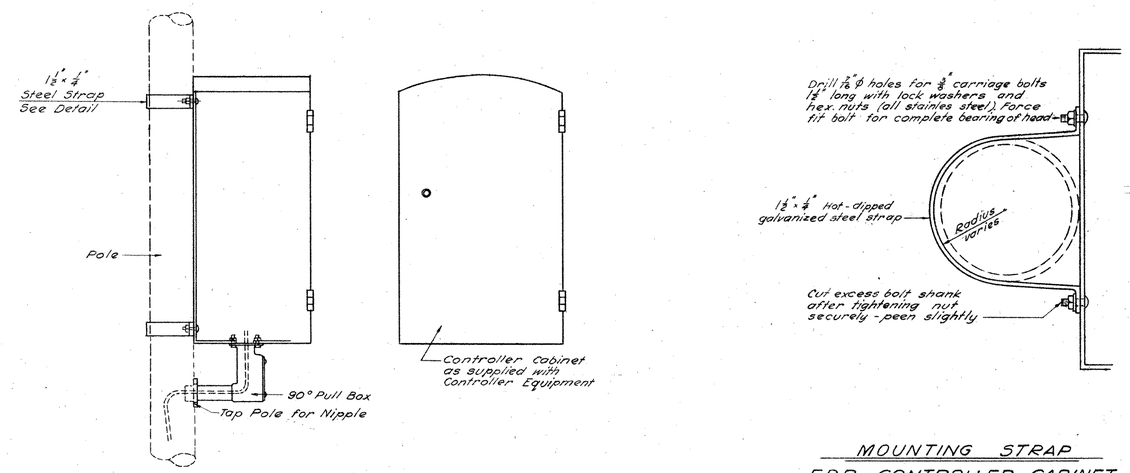


PLAN

SIDEVIEW

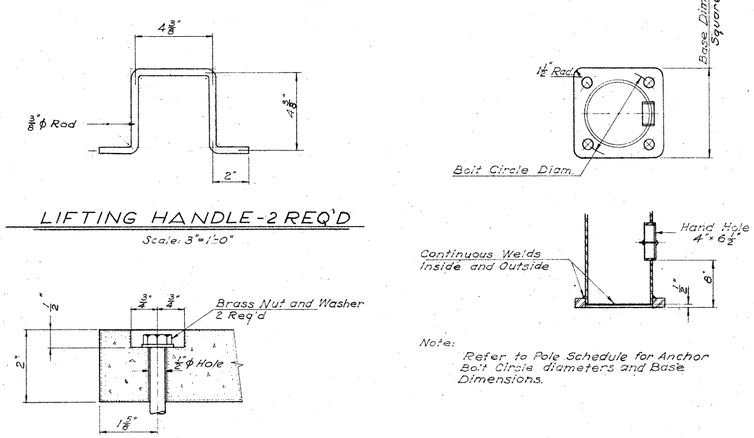
ANCHOR BOLT - 2 REQ'D
Scale: 3" = 1'-0"

DETAIL
PRECAST CONCRETE PULL BOX COVER
Scale: 1½" = 1'-0"



CONTROLLER CABINET MOUNTING
Scale: 1½" = 1'-0"

MOUNTING STRAP
FOR CONTROLLER CABINET
Scale: 3" = 1'-0"



LIFTING HANDLE - 2 REQ'D
Scale: 3" = 1'-0"

Note:
Refer to Pole Schedule for Anchor Bolt Circle diameters and Base Dimensions.

BOLT HOLE DETAIL
Scale: 6" = 1'-0"

POLE BASE DETAIL
Scale 1" = 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

CONSTRUCTION DETAILS

TRAFFIC CONTROL SIGNALS

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN

MADE BY EDWARDS, KELCEY AND BECK DATE 1957

CHECKED BY EDWARDS, KELCEY & BECK DATE 1957

APPROVED William C. Hansen DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. ____ OF ____

87 78

208 02

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	49	88

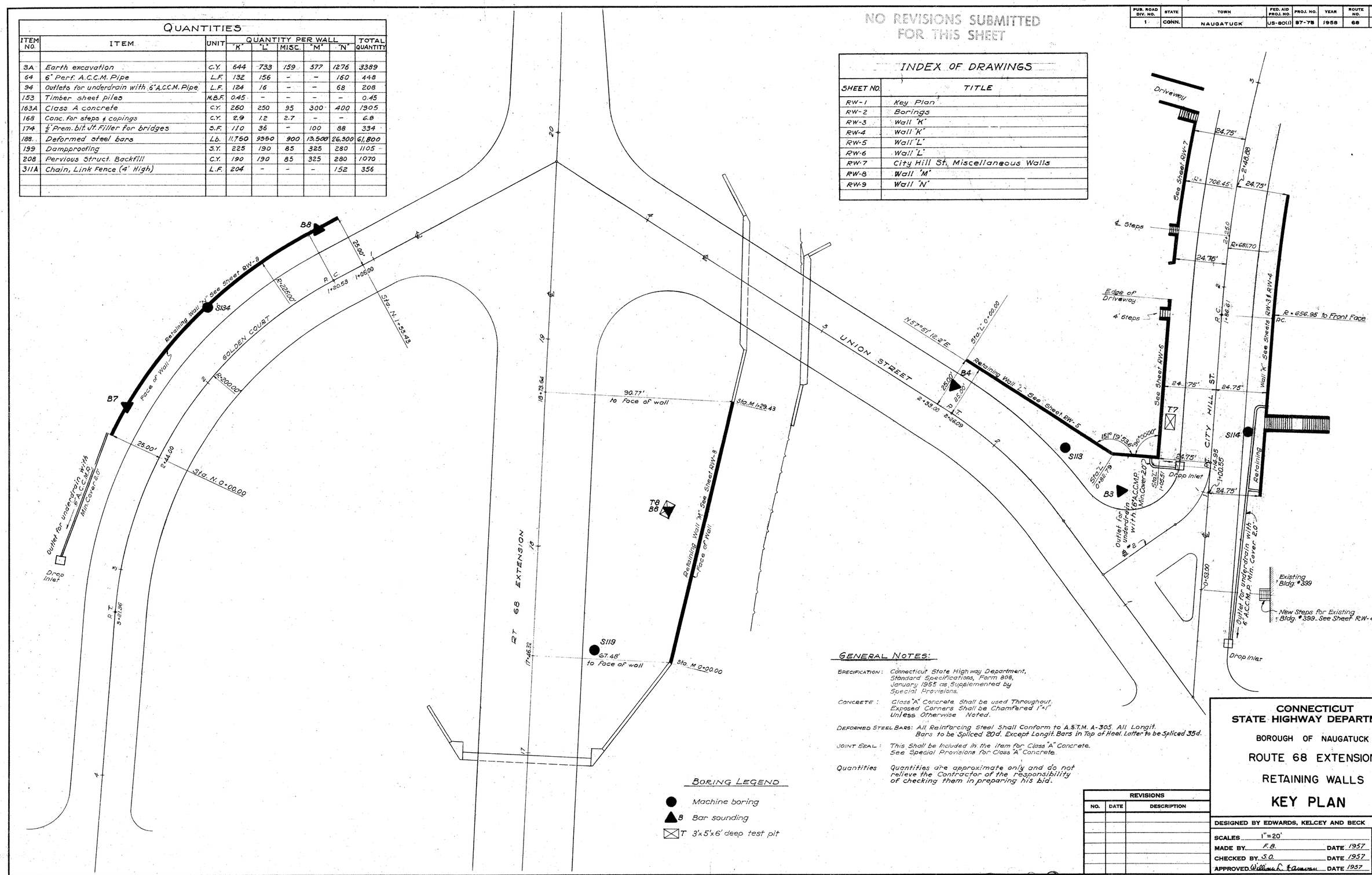
NO REVISIONS SUBMITTED FOR THIS SHEET

QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY PER WALL "K"	"L"	MISC.	"M"	"N"	TOTAL QUANTITY
3A	Earth excavation	C.Y.	644	733	159	577	1276	3389
64	6" Perf. A.C.C.M. Pipe	L.F.	132	156	-	-	160	448
94	Outlets for underdrain with 6" A.C.C.M. Pipe	L.F.	124	16	-	-	68	208
153	Timber sheet piles	M.B.F.	0.45	-	-	-	-	0.45
163A	Class A concrete	C.Y.	260	250	95	300	400	1305
168	Conc. for steps & copings	C.Y.	2.9	1.2	2.7	-	-	6.8
174	½" Prem. bit. Jt. Filler for bridges	S.F.	110	36	-	100	88	334
188	Deformed steel bars	Lb.	11,750	9350	900	13,500	26,300	61,800
199	Dampproofing	S.Y.	225	190	85	325	280	1105
208	Pervious Struct. Backfill	C.Y.	190	190	85	325	280	1070
311A	Chain, Link Fence (4' High)	L.F.	204	-	-	-	152	356

INDEX OF DRAWINGS

SHEET NO.	TITLE
RW-1	Key Plan
RW-2	Borings
RW-3	Wall "K"
RW-4	Wall "K"
RW-5	Wall "L"
RW-6	Wall "L"
RW-7	City Hill St. Miscellaneous Walls
RW-8	Wall "M"
RW-9	Wall "N"



GENERAL NOTES:

SPECIFICATION: Connecticut State Highway Department, Standard Specifications, Form 808, January 1955 as Supplemented by Special Provisions.

CONCRETE: Class "A" Concrete Shall be used Throughout. Exposed Corners Shall be Chamfered 1"×1" Unless Otherwise Noted.

DEFORMED STEEL BARS: All Reinforcing Steel Shall Conform to A.S.T.M. A-305. All Longit. Bars to be Spliced 20d. Except Longit. Bars in Top of Heel. Latter to be Spliced 35d.

JOINT SEAL: This Shall be Included in the item for Class "A" Concrete. See Special Provisions for Class "A" Concrete.

Quantities: Quantities are approximate only and do not relieve the Contractor of the responsibility of checking them in preparing his bid.

BORING LEGEND

- ● Machine boring
- ▲B Bar sounding
- ⊠T 3'x5'x6' deep test pit

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

RETAINING WALLS

KEY PLAN

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES 1"=20'

MADE BY F.B. DATE 1957

CHECKED BY S.O. DATE 1957

APPROVED William L. Hanavan DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. RW-1 OF 9

C. B. CO., NO. 394 40688

412-1 87 78

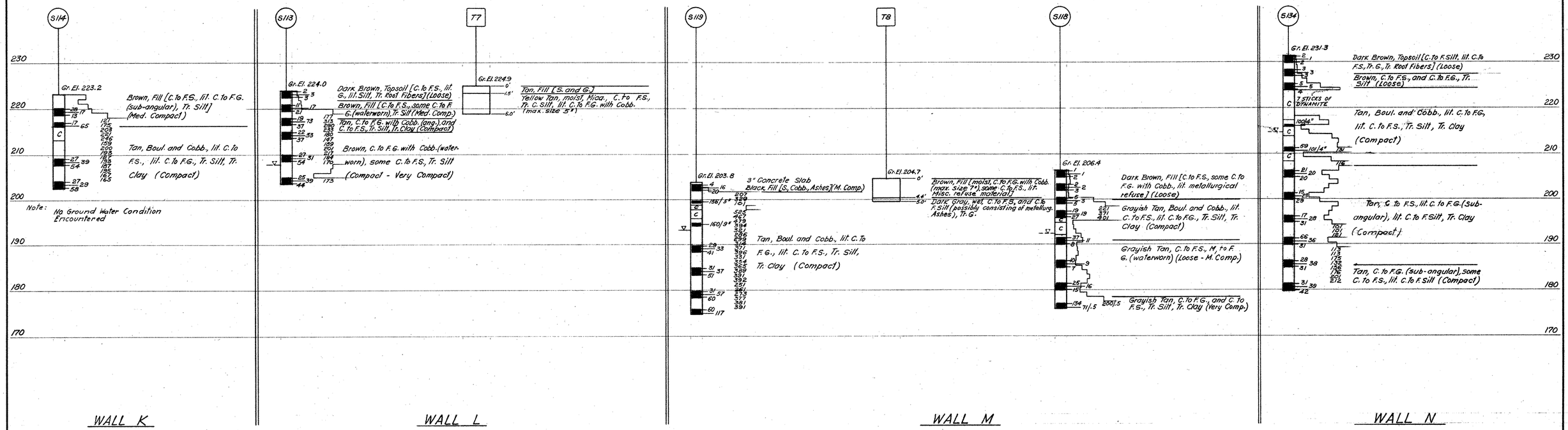
208 02

NA-8D-41

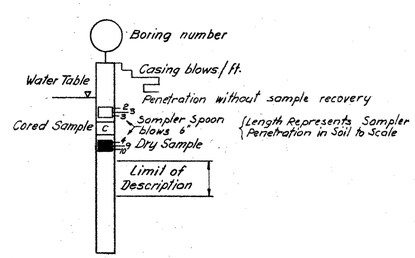
49

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	50	88

NO REVISIONS SUBMITTED FOR THIS SHEET



Casing I.D.	2½"	Sampler I.D.	1⅜"	Core barrel I.D.	1⅜"
Hammer Wt.	300 lbs.	Hammer Wt.	140 lbs.	Type	AX
Hammer Fall	24"	Hammer Fall	30"	Diamond bit	



KEY

C.	Coarse
F.	Fine
M.	Medium
G.	Gravel
S.	Sand
Boul.	Boulders
Cobb.	Cobbles
lit.	little
Tr.	Trace
Mica.	Micaceous
Misc.	Miscellaneous
Comp.	Compact

Scale
Ver. 1" = 10'
Casing 1" = 100 Blows

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

RELOCATED CONNECTICUT ROUTE 8

RETAINING WALLS

WALLS K,L,M,N BORING LOGS

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY Y.A. DATE 1957
CHECKED BY C.D.V. DATE 1957
APPROVED William L. Hanover DATE 1957

PROJECT NO. 87-78
BRIDGE SHEET NO. RW-2 OF 9

NA-8F-10

C. B. CO., NO. 384

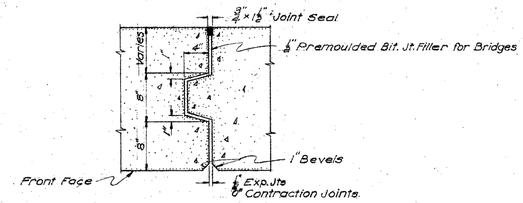
87 78

208 02

50

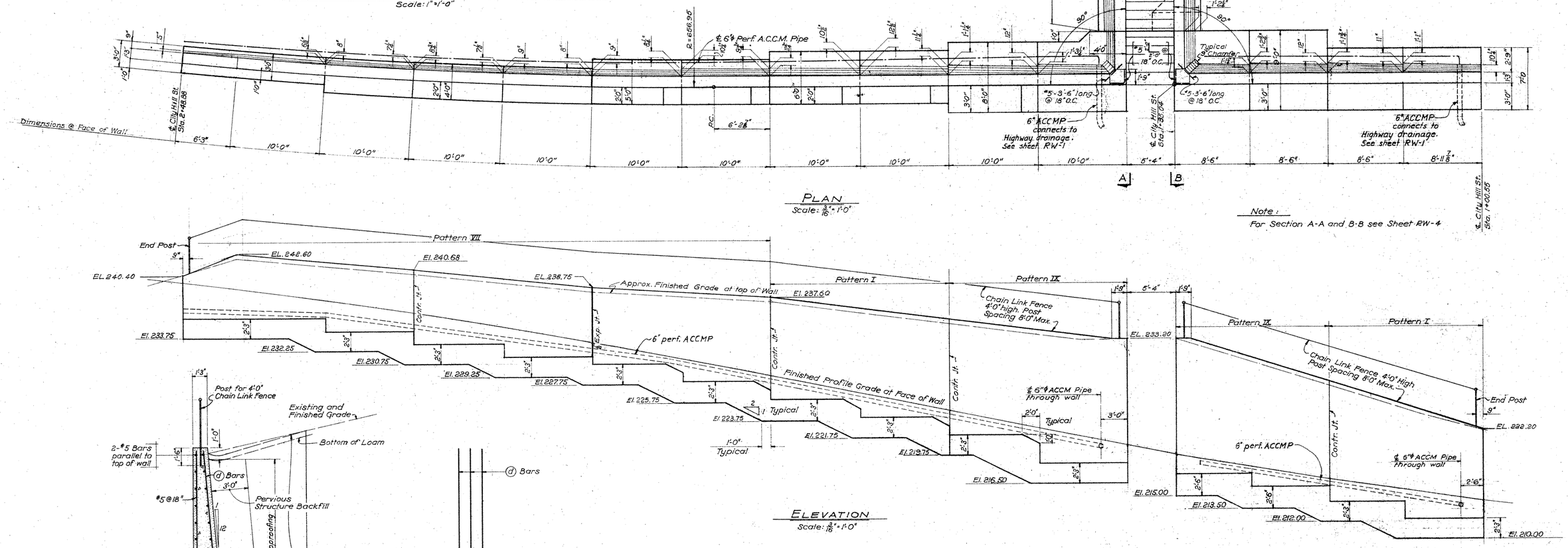
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	51	88

NO REVISIONS SUBMITTED FOR THIS SHEET



NOTE
Key to extend from top of Footing To an Elevation at which Wall is 24" wide. Reinforcement to be Discontinuous At exp. & Contr. Jts.

TYPICAL VERTICAL EXPANSION & CONTRACTION JOINTS
Scale: 1" = 1'-0"

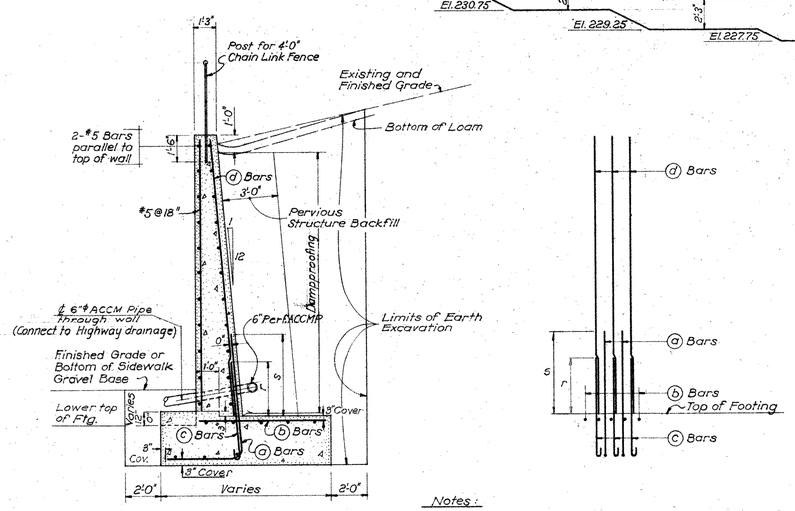


PLAN
Scale: 3/16" = 1'-0"

Note:
For Section A-A and B-B see Sheet RW-4

ELEVATION
Scale: 3/16" = 1'-0"

Note:
Maximum Soil Pressure = 2.5 KSF



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

Notes:
All longitudinal reinforcement in wall and footing #5@18".
Reinforcing steel cover 2" clear, except as noted.

MAIN REINFORCEMENT PATTERNS

Pattern	(a) Bars	(b) Bars	(c) Bars	(d) Bars	(e) Bars	r	s	Remarks
I	#5@18"	#5@12"	#5@18"	#5@18"	—	2'-10"	2'-10	
VII	#5@18"	#5@18"	—	#5@18"	—	—	2'-10"	
IX	#5@8"	#5@8"	—	#5@16"	—	—	5'-0"	

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
ROUTE 68 EXTENSION
RETAINING WALLS
WALL "K"

DESIGNED BY EDWARDS, KELCEY AND BECK
SCALES AS SHOWN
MADE BY F.B. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William L. Hanaway DATE 1957
PROJECT NO. 87-78
BRIDGE SHEET NO. RW-3 OF 9

NA-80-55

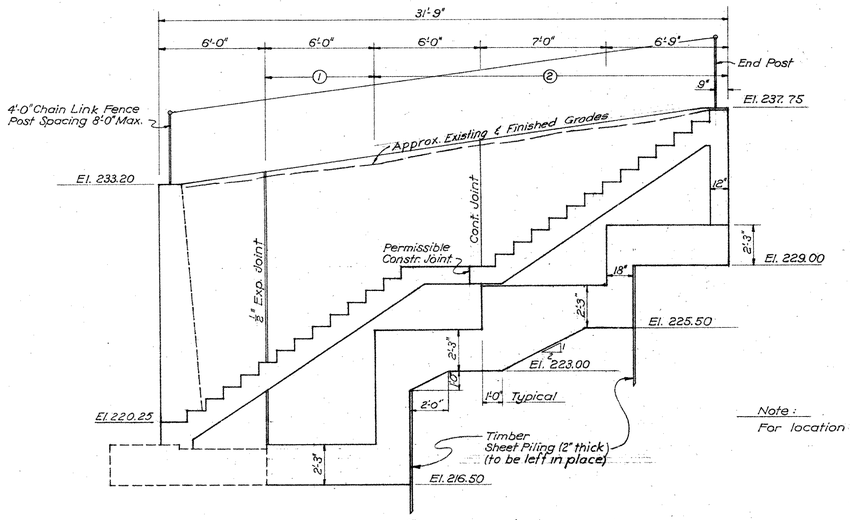
87 78

208 02

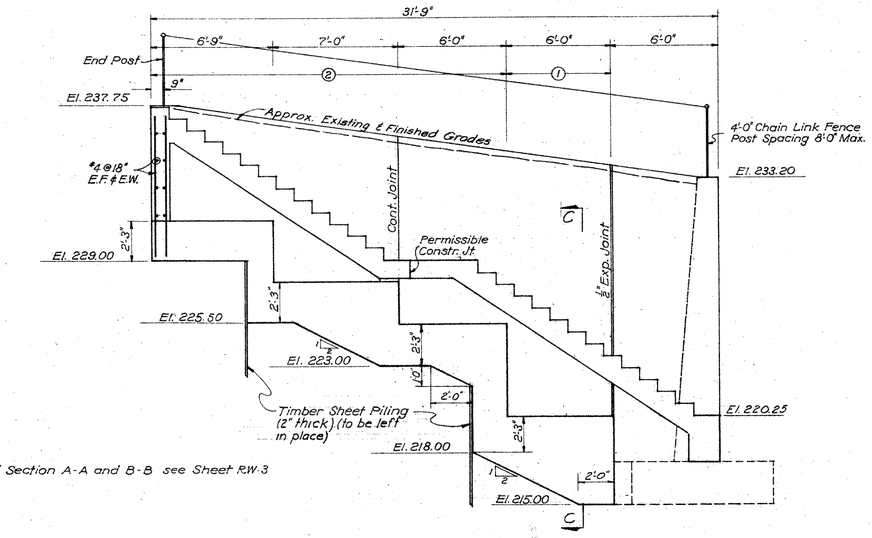
51

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	52	88

NO REVISIONS SUBMITTED FOR THIS SHEET

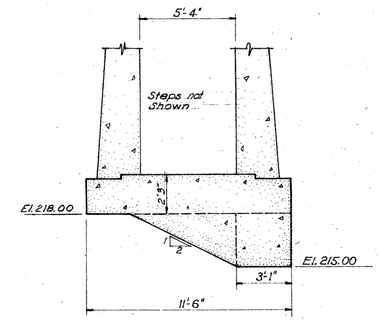


SECTION A-A
Scale: 1/4" = 1'-0"

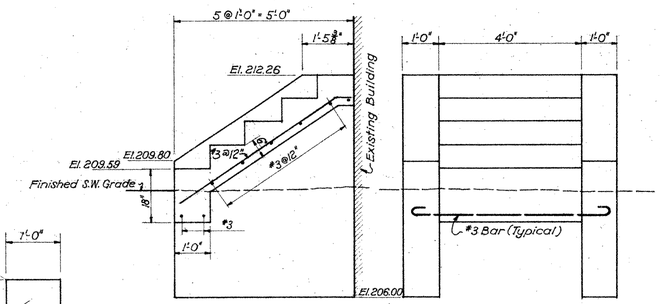


Note:
For location of Section A-A and B-B see Sheet RW-3

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



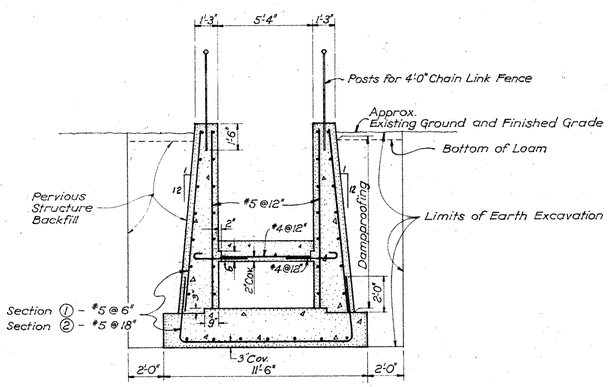
SECTION C-C
Scale: 1/4" = 1'-0"



Concrete to be paid for under Item "Concrete for Steps and Coping."

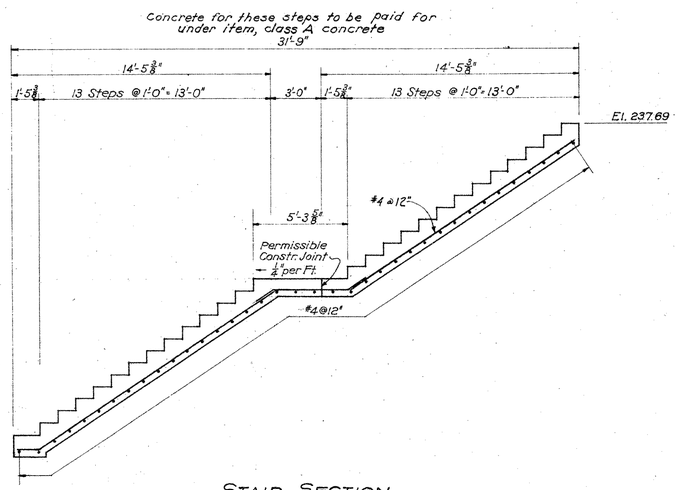
SECTION FRONT VIEW

STEPS FOR BLDG. #399
Scale: 1/2" = 1'-0"

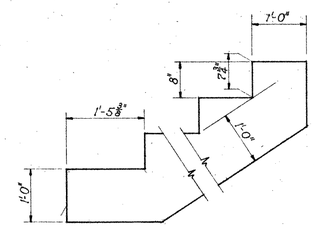


TYPICAL SECTION
Scale: 1/4" = 1'-0"

NOTES:
All longitudinal reinforcement in wall and footings to be #5 @ 18".
Reinforcement steel cover 2" clear except as noted.



STAIR SECTION
Scale: 1/4" = 1'-0"



TYPICAL STAIR DETAIL
Scale: 1" = 1'-0"

NOTES:
For vertical joint details see sheet RW-3.
Maximum Soil Pressure: 3.0 K.S.F.

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
ROUTE 68 EXTENSION
RETAINING WALLS
WALL "K"

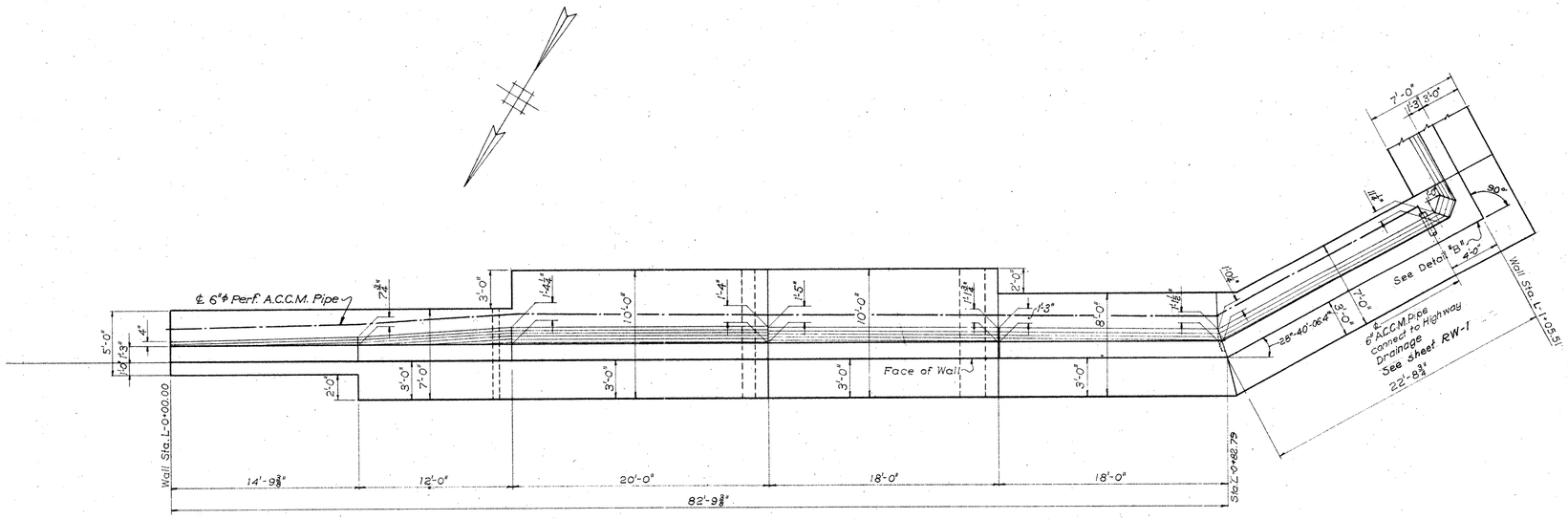
DESIGNED BY EDWARDS, KELCEY AND BECK
SCALES AS SHOWN
MADE BY F.B. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William L. Hansen DATE 1957
PROJECT NO. 87-78
BRIDGE SHEET NO. RW-4 OF 9

NA-80-52

C. B. CO., NO. 354 40999
412
87 78
208 02
52

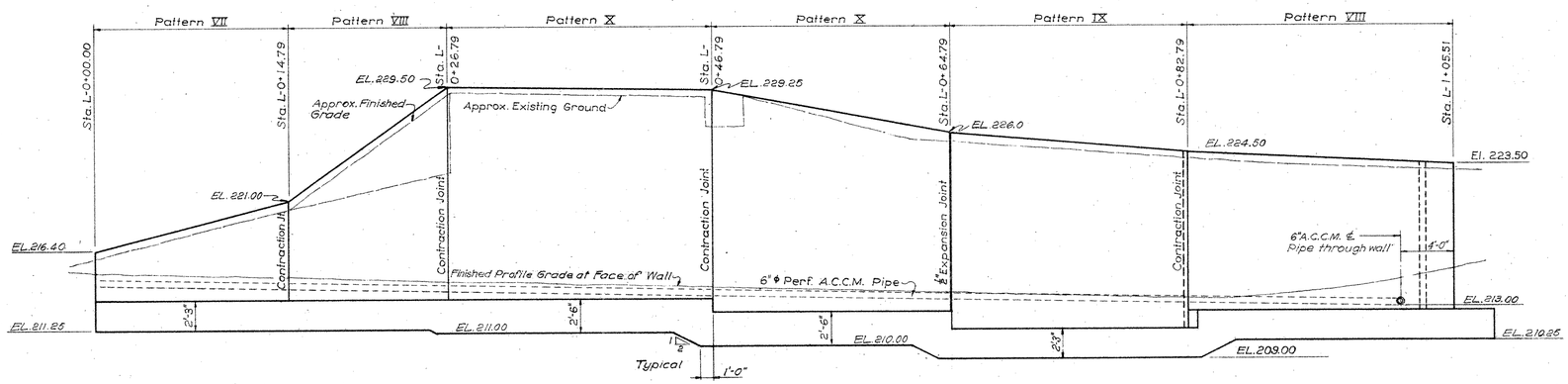
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	53	88

NO REVISIONS SUBMITTED FOR THIS SHEET



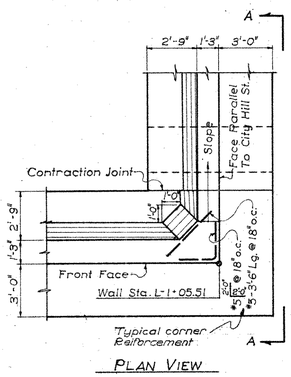
PLAN

Scale: 3/16" = 1'-0"

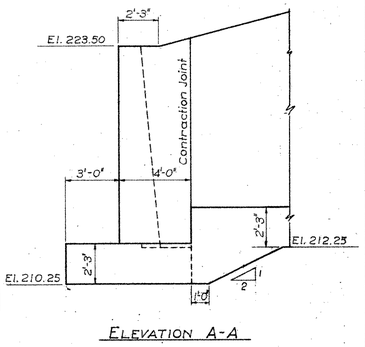


ELEVATION

Scale: 3/16" = 1'-0"



PLAN VIEW



ELEVATION A-A

DETAIL "B"

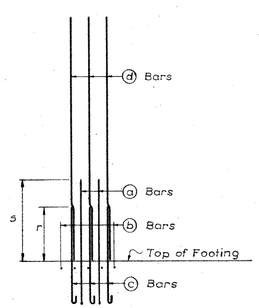
Scale: 1/4" = 1'-0"

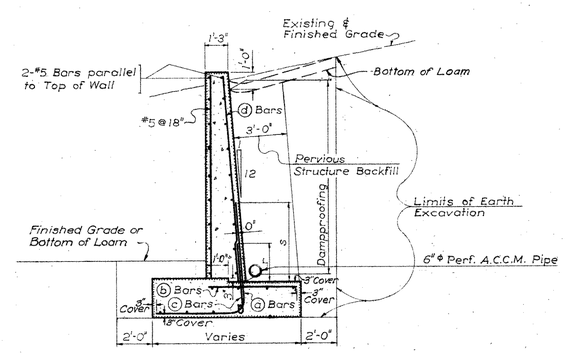
Note:
For Extension of Wall "L" See Sheet RW-6
For Vertical Joint Details See Sheet RW-3
Maximum Soil Pressure - 3.4 KSF

MAIN REINFORCEMENT PATTERNS								
Pattern	ⓐ Bars	ⓑ Bars	ⓒ Bars	ⓓ Bars	ⓔ Bars	r	s	Remarks
VII	#5 @ 18"	#5 @ 18"	-	#5 @ 18"	-	-	2'-10"	
VIII	#5 @ 10"	#5 @ 20"	-	#5 @ 20"	-	-	5'-0"	
IX	#5 @ 8"	#5 @ 8"	-	#5 @ 16"	-	-	5'-0"	
X	#5 @ 8"	#7 @ 8"	#5 @ 8	#5 @ 16"	-	2'-10"	6'-4"	

NOTE

All longitudinal reinforcement in wall and footings to be #5 @ 18".
Reinforcement steel cover 2" clear except as noted.





TYPICAL SECTION

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

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

RETAINING WALLS

WALL "L"

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY F.B. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William L. Hanaven DATE 1957

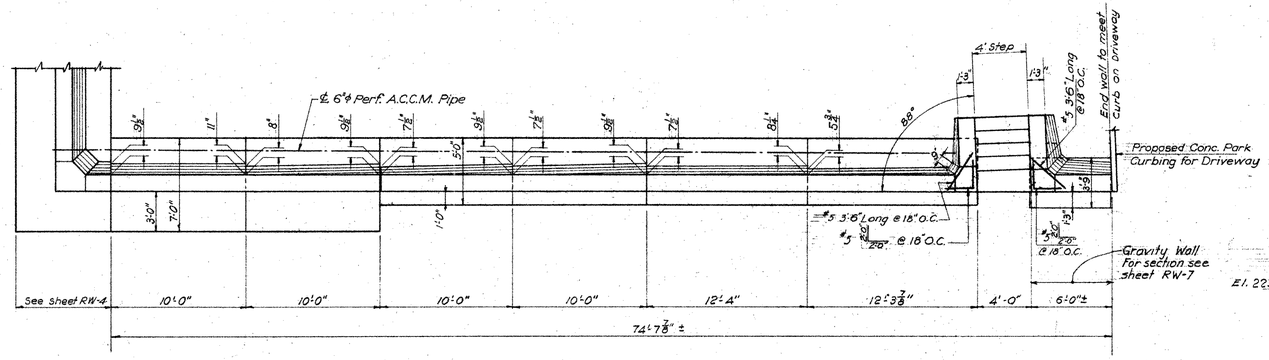
PROJECT NO. 87-78
BRIDGE SHEET NO. RW-5 OF 9

NA-80-53

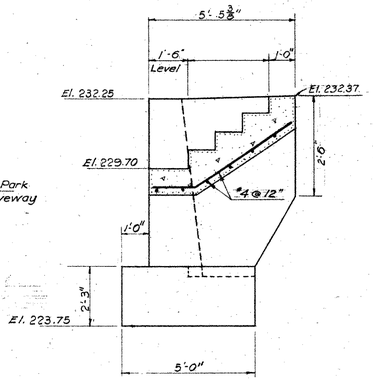
C. B. CO., NO. 394 40699
412 87 78
208 02
53

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	54	88

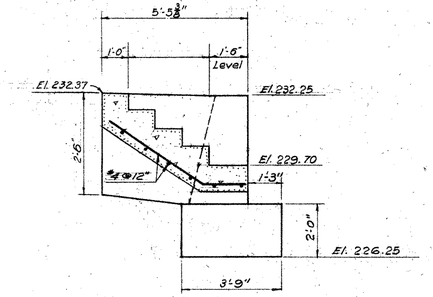
NO REVISIONS SUBMITTED FOR THIS SHEET



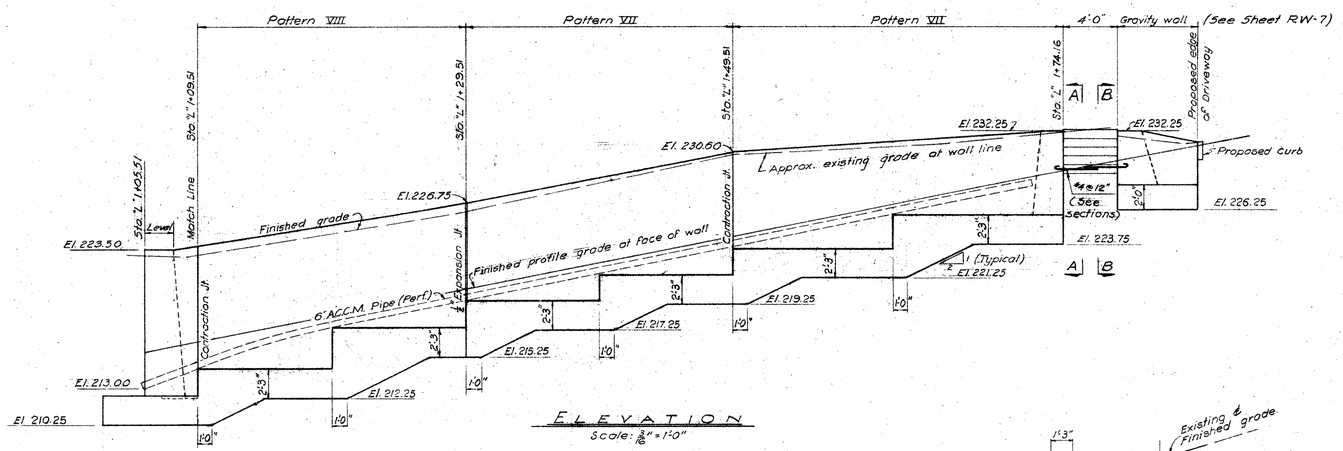
PLAN
Scale: 3/16" = 1'-0"



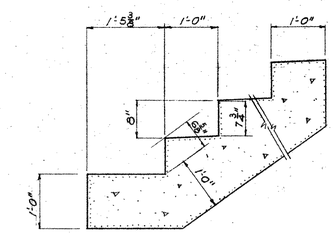
SECTION A-A
Scale: 3/8" = 1'-0"



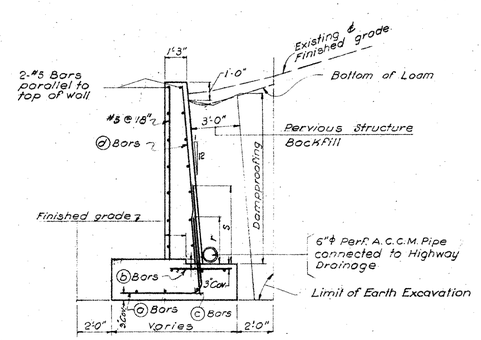
SECTION B-B
Scale: 3/8" = 1'-0"



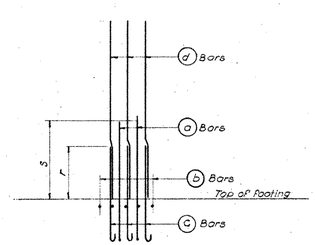
ELEVATION
Scale: 3/16" = 1'-0"



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



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



MAIN REINFORCEMENT PATTERNS								
Pattern	a Bars	b Bars	c Bars	d Bars	e Bars	r	s	Remarks
VII	#5 @ 18"	#5 @ 18"	—	#5 @ 18"	—	—	2'-10"	
VIII	#5 @ 10"	#5 @ 20"	—	#5 @ 20"	—	—	5'-0"	

NOTE:
All longitudinal reinforcement in wall and footings to be #5 @ 18"
Reinforcement steel cover 2" clear except as noted

NOTES:
For extension of Wall "L" see sheet RW-5.
For vertical joint details see sheet RW-3
Steps shall be paid for under item "Concrete for steps and copings.
Maximum Soil Pressure = 2.1 KSF

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
ROUTE 68 EXTENSION
RETAINING WALLS
WALL "L"

DESIGNED BY EDWARDS, KELCEY AND BECK
SCALES AS SHOWN
MADE BY F.B. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William L. Hanover DATE 1957
PROJECT NO. 87-78
BRIDGE SHEET NO. RW-6 OF 9

NA-BD-56

C. B. CO., NO. 264

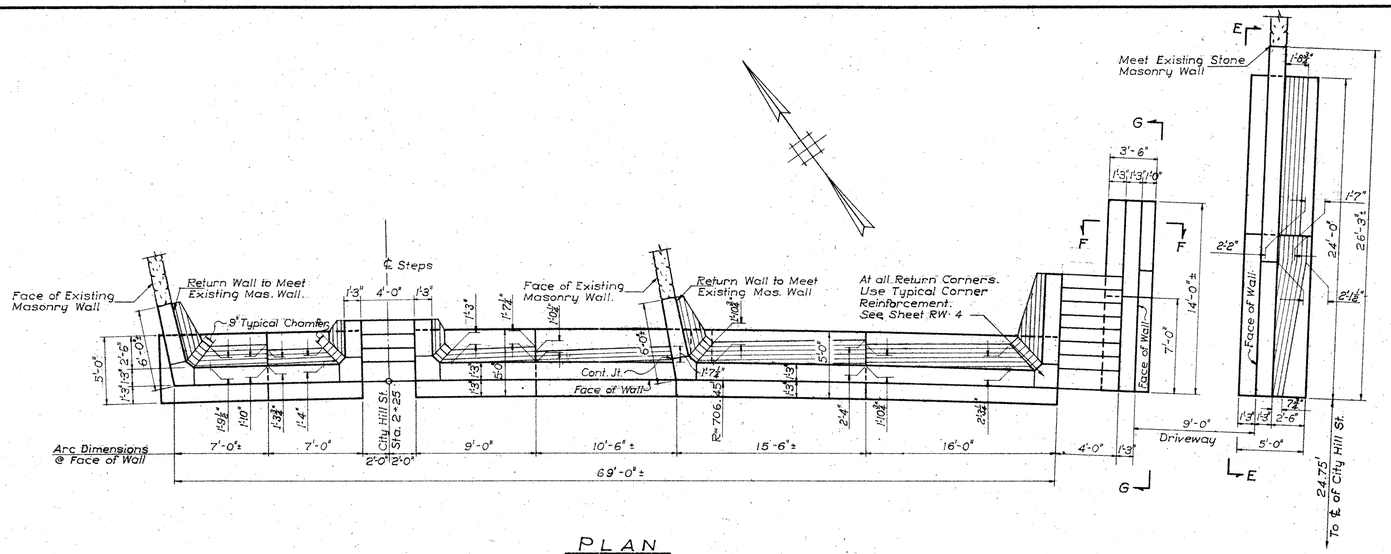
412 87 78

208 02

54

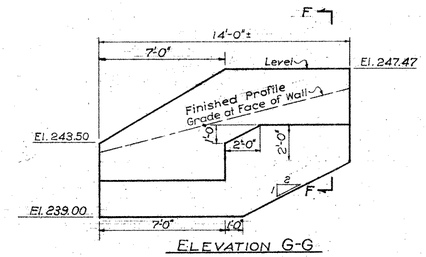
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	55	68

NO REVISIONS SUBMITTED FOR THIS SHEET

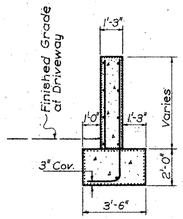


PLAN

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



ELEVATION G-G

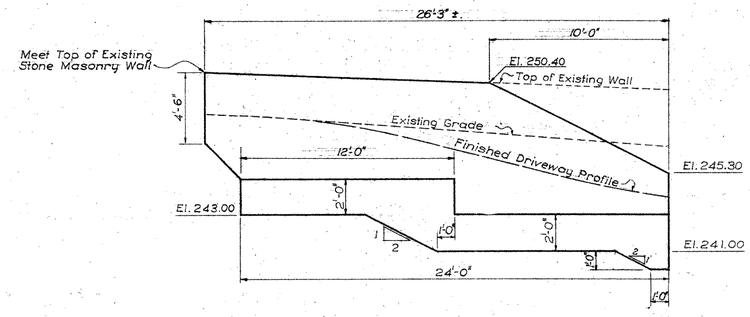


SECTION F-F

All Reinf. Steel #5 @ 18" 2" Cover except as shown.

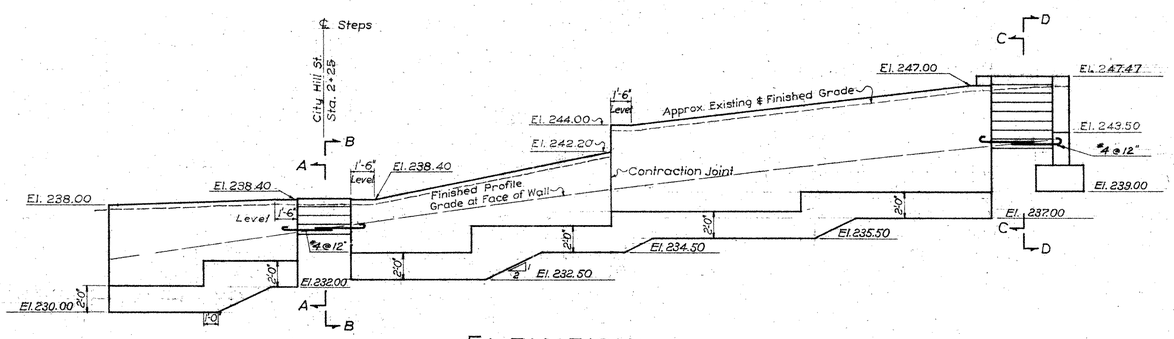
WALL WEST SIDE OF DRIVEWAY

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



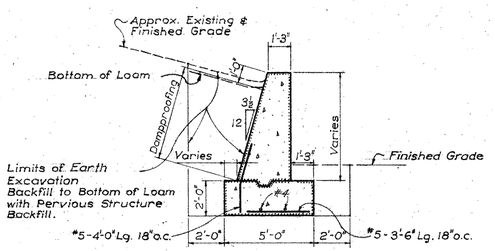
ELEVATION E-E WALL-EAST SIDE OF DRIVEWAY

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



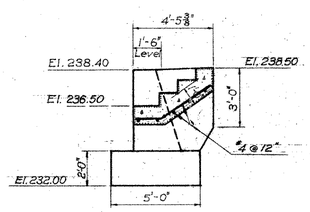
ELEVATION

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



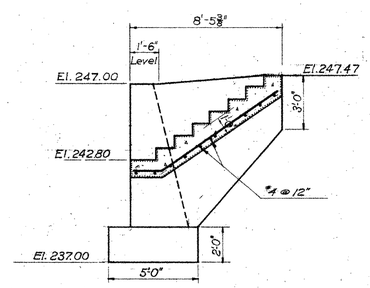
TYPICAL GRAVITY WALL SECTION

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



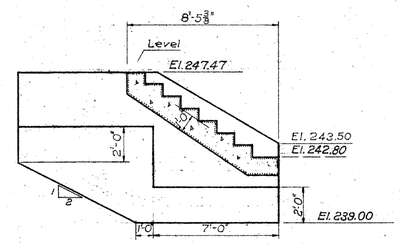
SECTION A-A

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



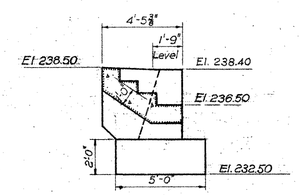
SECTION C-C

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



SECTION D-D

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



SECTION B-B

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

NOTES:

For vertical Joint Detail see Sheet RW-3
For Detail of Steps see Sheet RW-6
Steps shall be paid for under Item, "Concrete for Steps & Copings"
Maximum Soil Pressure = 2.7 K.S.F.

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

RETAINING WALLS

CITY HILL ST.

MISCELLANEOUS WALLS

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY F.B. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William C. Tarrant DATE 1957

PROJECT NO. 87-78

BRIDGE SHEET NO. RW-7 OF 9

NA-80-54

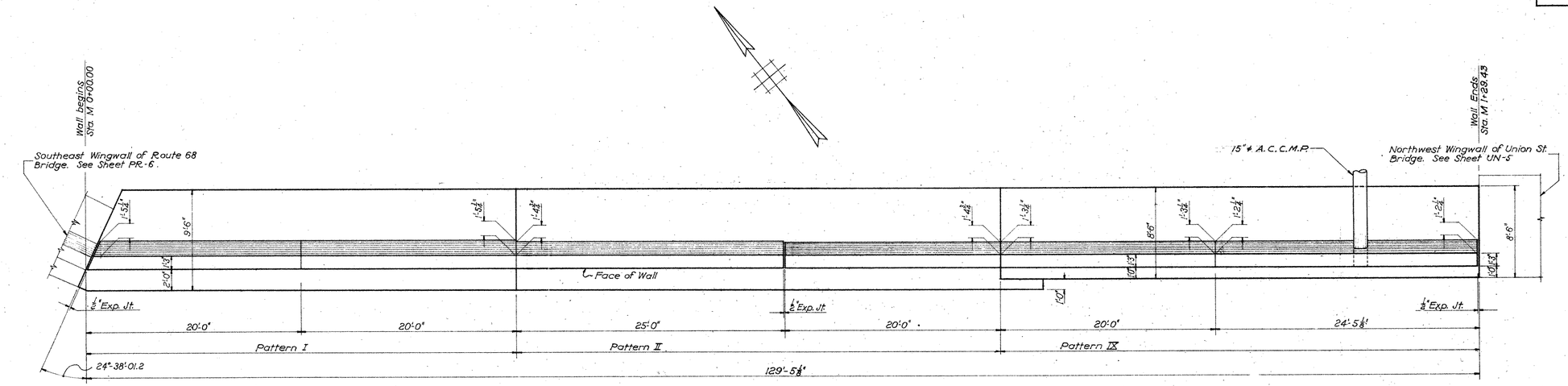
87 78

208 02

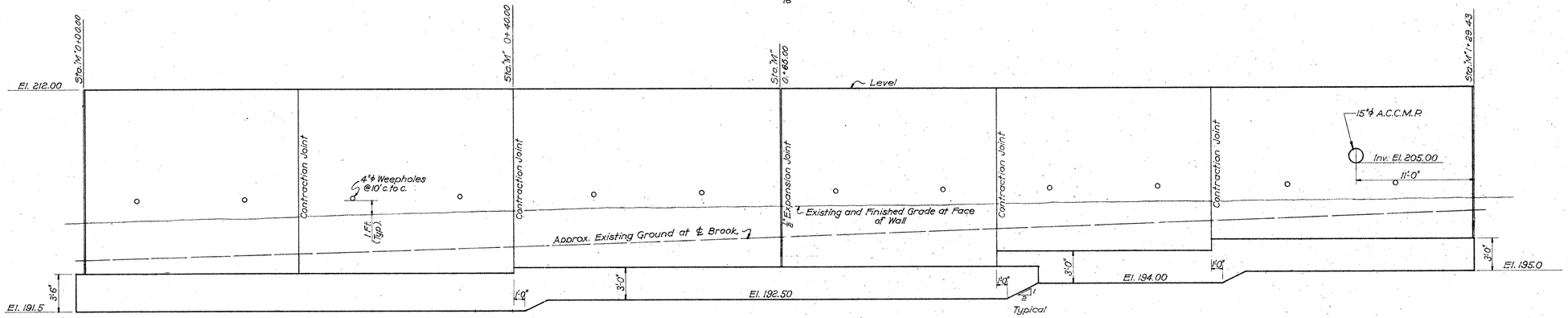
55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	56	88

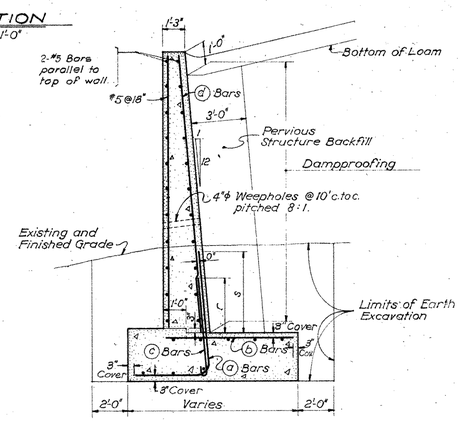
NO REVISIONS SUBMITTED FOR THIS SHEET



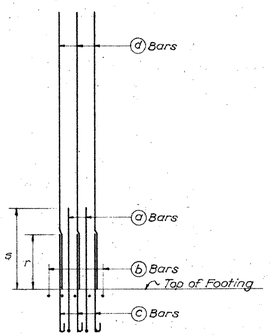
PLAN
Scale: 3/16" = 1'-0"



ELEVATION
Scale: 3/16" = 1'-0"



TYPICAL SECTION
Scale: ¼" = 1'-0"



Notes:
For Vertical Joint Details See Sheet RW-3
Maximum Soil Pressure = 4.0 KSF

MAIN REINFORCEMENT PATTERNS								
Pattern	ⓐ Bars	ⓑ Bars	ⓒ Bars	ⓓ Bars	ⓔ Bars	r	s	Remarks
V	#5@12"	#7@9"	#6@12"	#6@12"	—	3'-3"	4'-6"	
VI	#5@12"	#7@9"	#5@12"	#5@12"	—	2'-10"	4'-6"	
IX	#5@8"	#8@8"		#5@16"	—		5'-0"	

Note:
All Longitudinal reinforcement in wall and footing to be #5@18"
Reinforcement steel cover 2" clear except as noted.

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT
BOROUGH OF NAUGATUCK
ROUTE 68 EXTENSION
RETAINING WALLS
WALL "M"

DESIGNED BY EDWARDS, KELCEY AND BECK

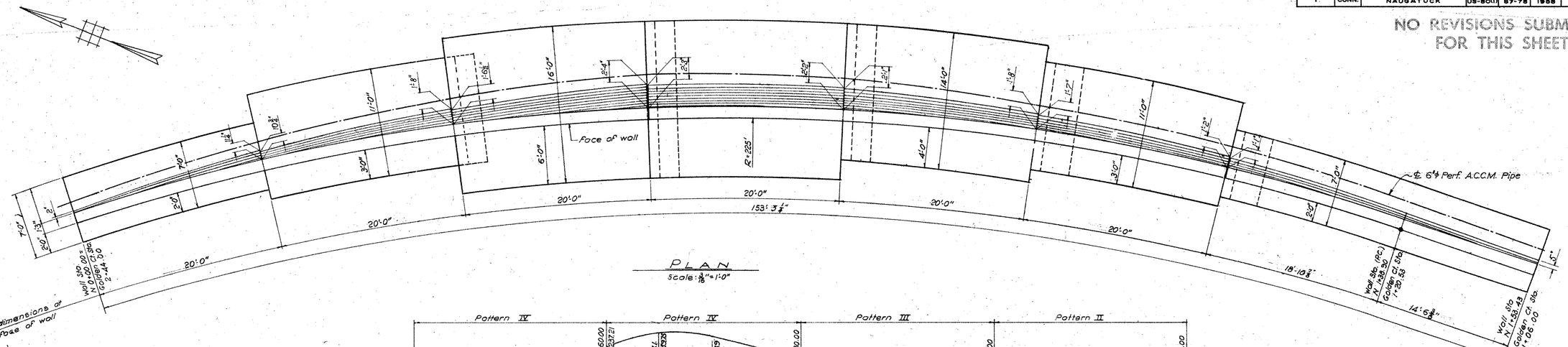
SCALES AS SHOWN
MADE BY F.B. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William L. Hanavan DATE 1957

PROJECT NO. 78-78
BRIDGE SHEET NO. RW-8 OF 9

C. B. CO., NO. 394 40000 412-3 87 78 208 02 NA-8D-43 58

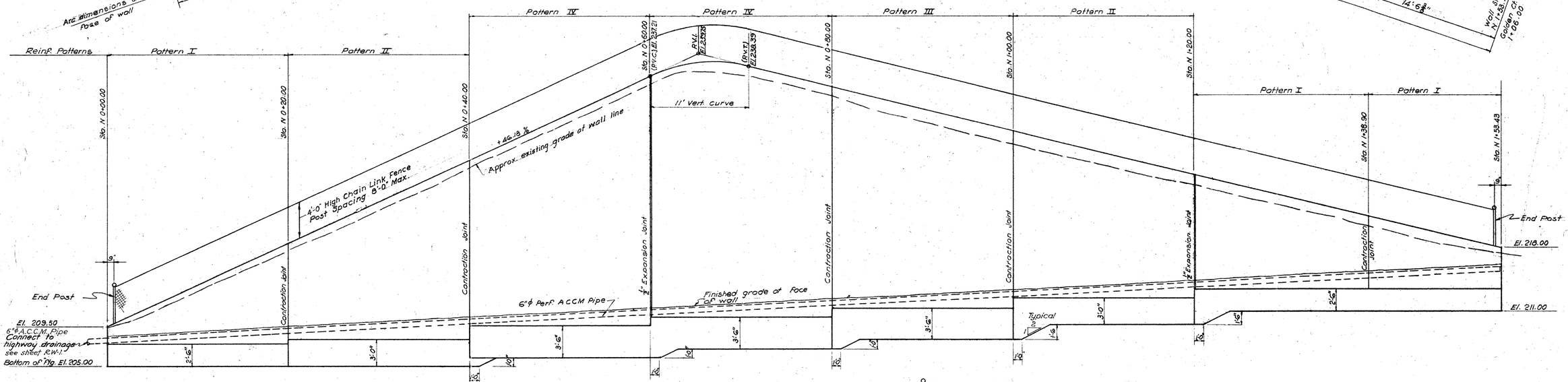
PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-801	87-78	1959	68	57	88

NO REVISIONS SUBMITTED FOR THIS SHEET



PLAN

Scale: 3/16" = 1'-0"

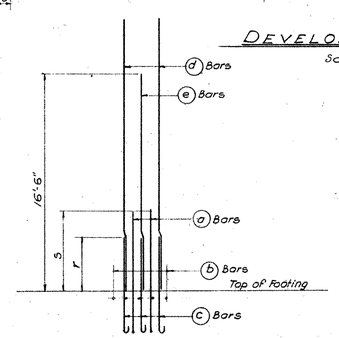


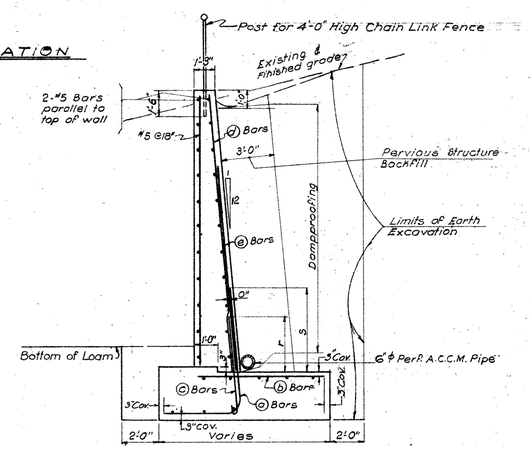
DEVELOPED ELEVATION

Scale: 3/16" = 1'-0"

MAIN REINFORCEMENT PATTERNS								
Pattern	ⓐ Bars	ⓑ Bars	ⓒ Bars	ⓓ Bars	ⓔ Bars	r	s	Remarks
I	#5 @18"	#5@12"	#5@18"	#5@18"	-	2'-10"	2'-10"	
II	#6@9"	#8@9"	#5@9"	#5@18"	-	2'-10"	9'-0"	
III	#8@12"	#9@6"	#8@12"	#6@12"	-	3'-11"	11'-0"	
IV	#9@6"	#9@6"	#5@6"	#5@12"	#5@12"	2'-10"	13'-6"	Cut ⓔ Bars 16'-6" above top of footings

NOTE
All longitudinal reinforcement in wall and footings to be #5 @18"
Reinforcement steel cover 2" clear except as noted.





TYPICAL SECTION

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

NOTES:
For vertical joint details see sheet RW-3.
Maximum Soil Pressure = 4.9 KSF

REVISIONS		
NO.	DATE	DESCRIPTION

CONNECTICUT
STATE HIGHWAY DEPARTMENT

BOROUGH OF NAUGATUCK

ROUTE 68 EXTENSION

RETAINING WALLS

WALL "N"

DESIGNED BY EDWARDS, KELCEY AND BECK

SCALES AS SHOWN
MADE BY F.B. DATE 1957
CHECKED BY S.O. DATE 1957
APPROVED William A. Hansen DATE 1957

PROJECT NO. 87-78
BRIDGE SHEET NO. RW-9 OF 9

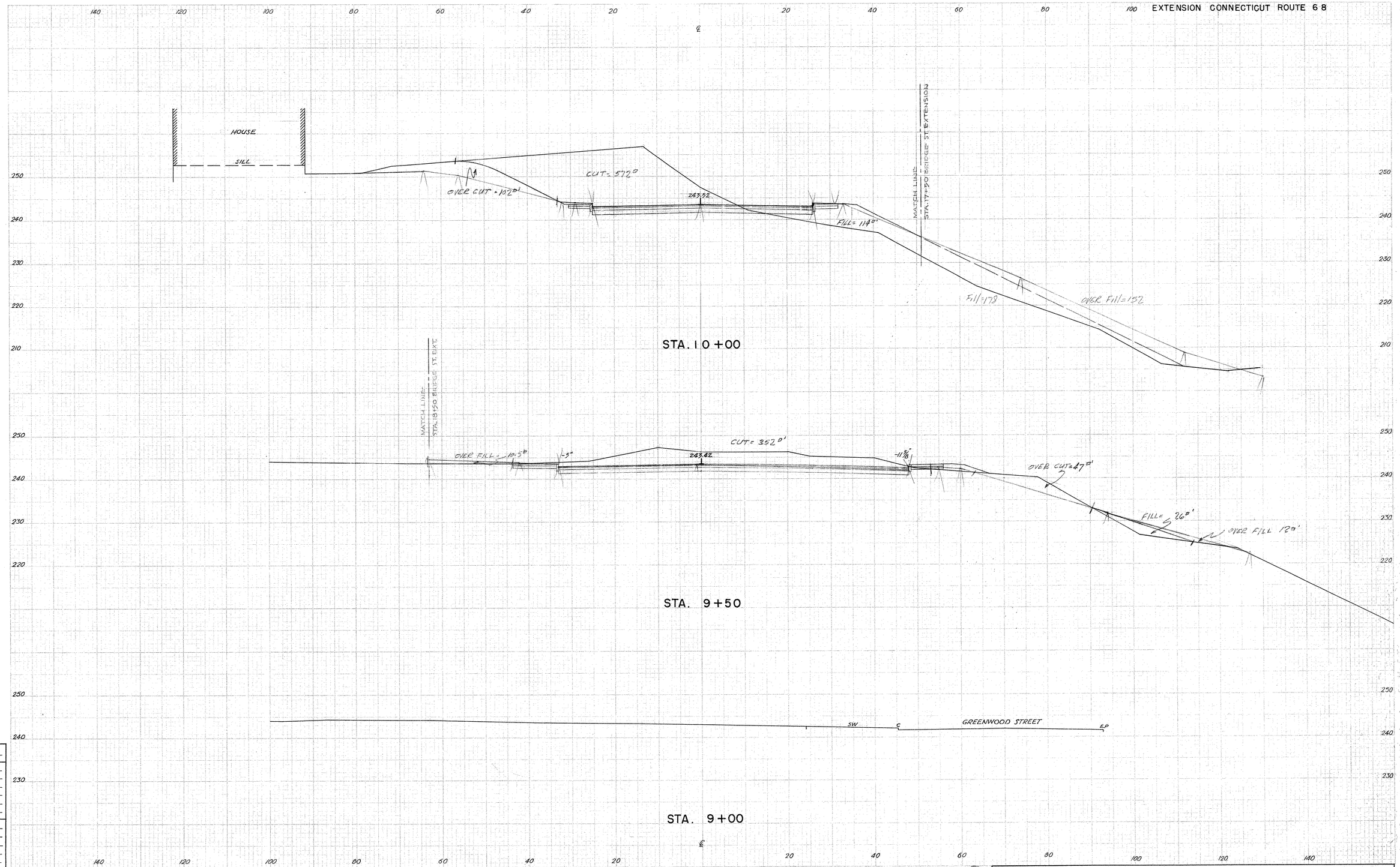
CROSS SECTIONS

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.	NAUGATUCK	US-801(A)	87-78	1958	68	58	88

EXTENSION CONNECTICUT ROUTE 68



NOTE BOOK NO. 87-67-T	
Ground Surface Plotted by	E. K. AND B.
" " Checked by	E. K. AND B.
Template Sections Plotted by	E. K. AND B.
" " Checked by	E. K. AND B.
Areas by	E. K. AND B.
" Checked by	E. K. AND B.
Final Sections Plotted by	
" " Checked by	Paul H. Rubb
Final Areas by	Paul H. Rubb
" " Checked by	
Quantity Transferred and Inked by	

188 ARCWRIGHT JOSEPH MERRITT & CO. 16251

87 78

208 02

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

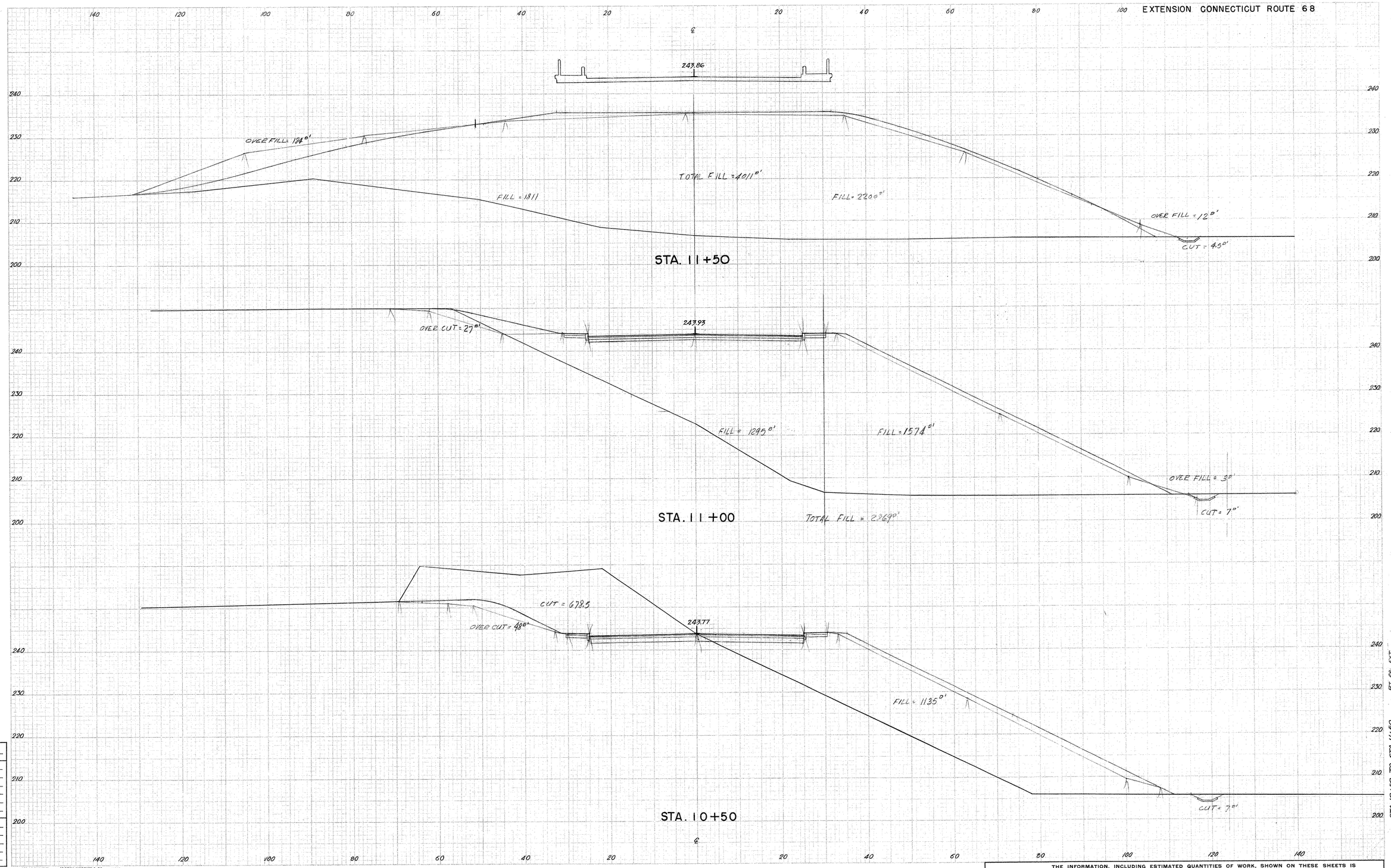
CROSS SECTIONS

SCALE 1 INCH=10 FEET

FORM NO. ENG. 14 ED 7-48

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-801	87-78	1958	68	59	88

EXTENSION CONNECTICUT ROUTE 68



NOTE BOOK NO. 87-67-T

Ground Surface Plotted by E.K. AND B.
" " Checked by E.K. AND B.
Template Sections Plotted by E.K. AND B.
" " Checked by E.K. AND B.
Areas by E.K. AND B.
" Checked by E.K. AND B.

Final Sections Plotted by
" " Checked by Paul H. Rube
Final Areas by Paul H. Rube
" " Checked by
Quantity Transferred and Inked by

158 ARKWRIGHT JOSEPH MERRITT & CO. 16251

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87 78

208 02

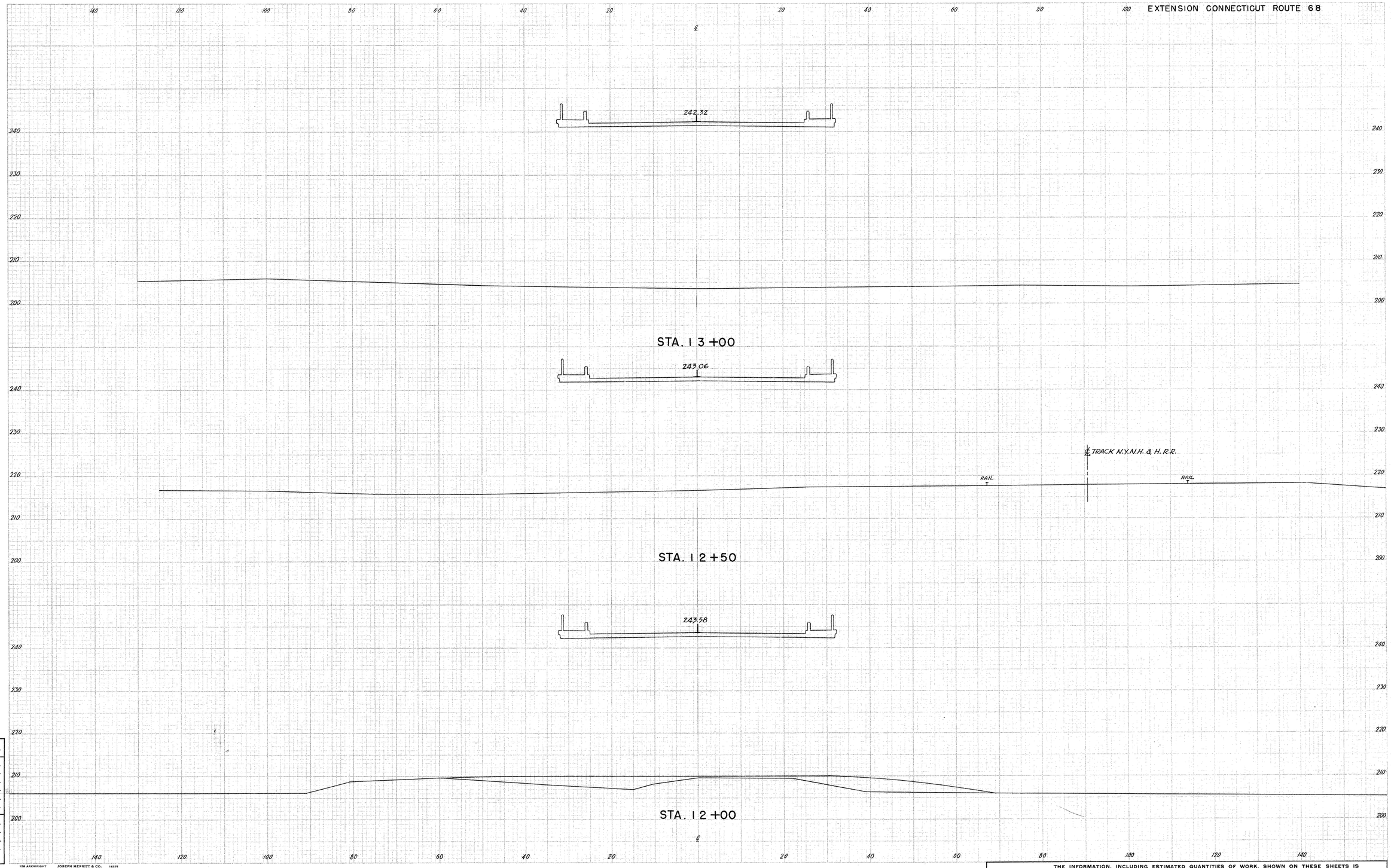
CROSS SECTIONS

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.	NAUGATUCK	US-80(1)	87-78	1958	68	60	88

EXTENSION CONNECTICUT ROUTE 68



RT. 68 - EXT.

STA. 12+00 TO STA. 13+00

NOTE BOOK NO. 87-67-T

Ground Surface Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Template Sections Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Areas by E. K. AND B.
" Checked by E. K. AND B.

Final Sections Plotted by
" " Checked by Pat. Drake
Final Areas by
" " Checked by
Quantity Transferred and Inked by

JOSEPH MERRITT & CO. 16251

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87 78

208 02

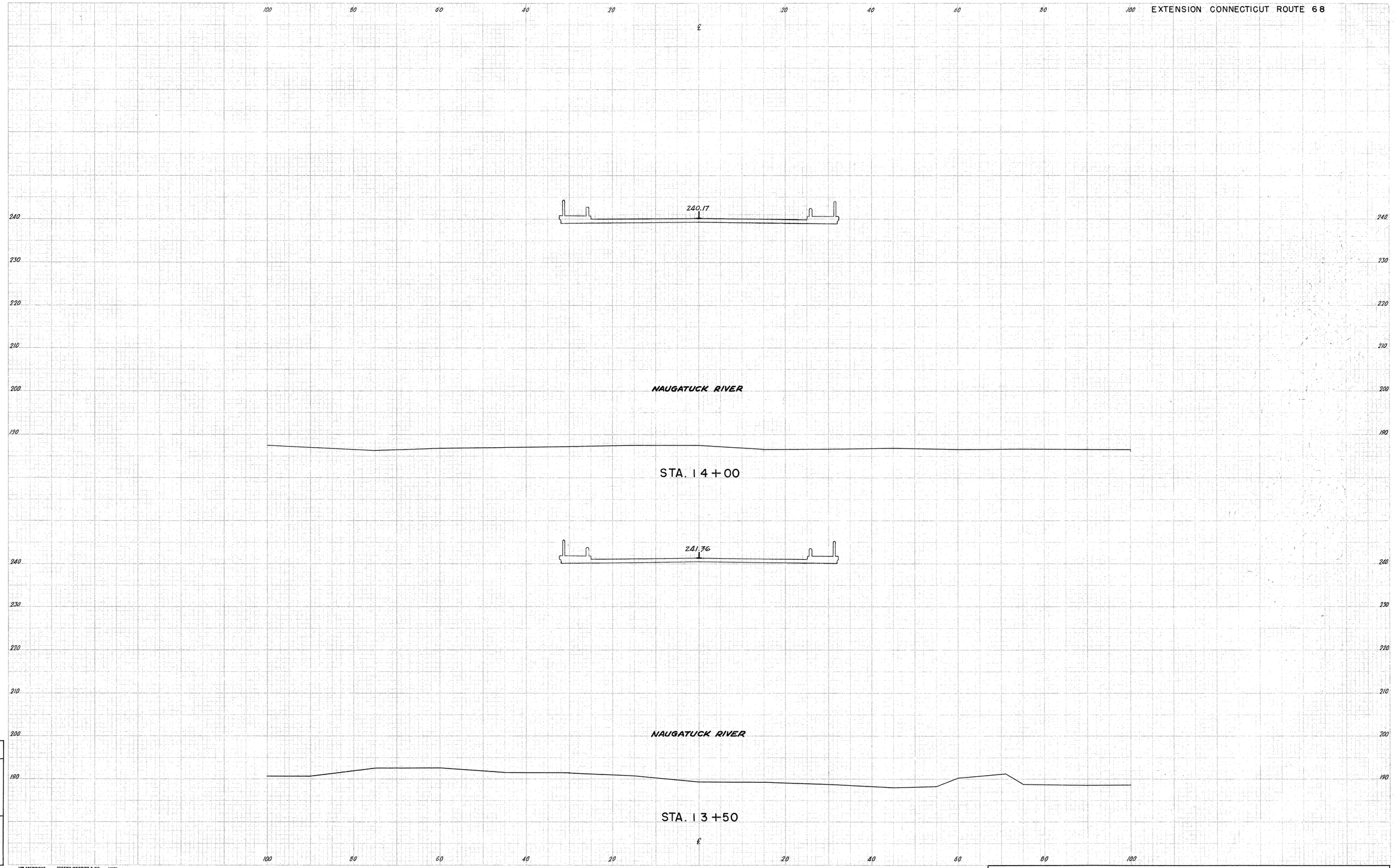
CROSS SECTIONS

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.	NAUGATUCK	US-800	87-78	1958	68	61	88

EXTENSION CONNECTICUT ROUTE 68



STA. 13+50 TO STA. 14+00 RT. 68 EXT.

NOTE BOOK NO. 87-67-L	
Ground Surface Plotted by	E. K. AND B.
" " Checked by	E. K. AND B.
Template Sections Plotted by	E. K. AND B.
" " Checked by	E. K. AND B.
Areas by	E. K. AND B.
" Checked by	E. K. AND B.
Final Sections Plotted by	
" " Checked by	Geo. Burke
Final Areas by	
" " Checked by	
Quantity Transferred and Inked by	

198 ARKWRIGHT JOSEPH MERRITT & CO. 16551

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87 78

208 02

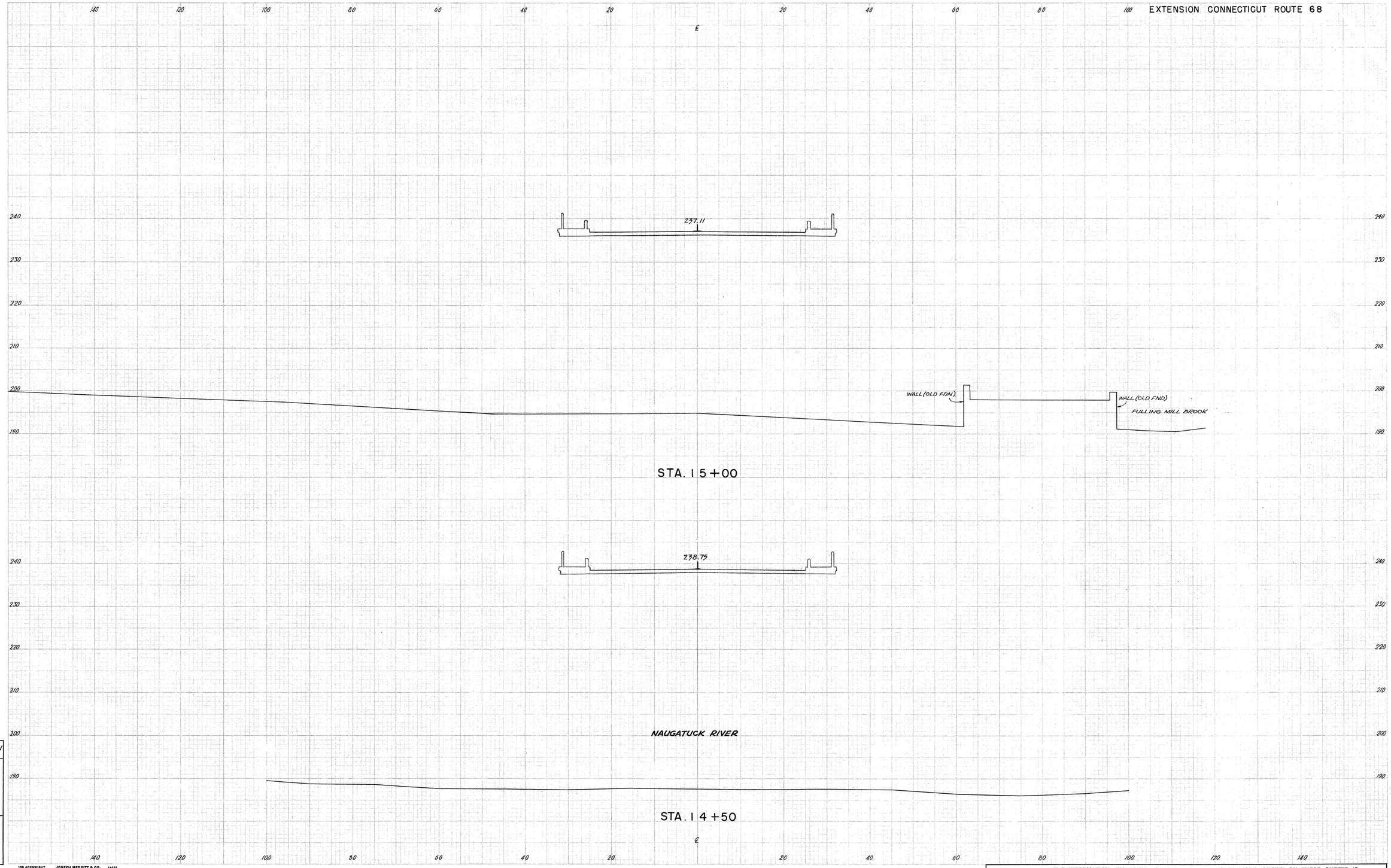
CROSS SECTIONS

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.	NAUGATUCK	US-801	87-78	1958	68	62	88

EXTENSION CONNECTICUT ROUTE 68



NOTE BOOK NO. 87-67-L, 87-67-N
Ground Surface Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Template Sections Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Areas by E. K. AND B.
" Checked by E. K. AND B.
Final Sections Plotted by
" " Checked by R.H. Burke
Final Areas by
" " Checked by
Quantity Transferred and Inked by

138 ARKWRIGHT JOSEPH MERRITT & CO. 18251

87 78

208 02

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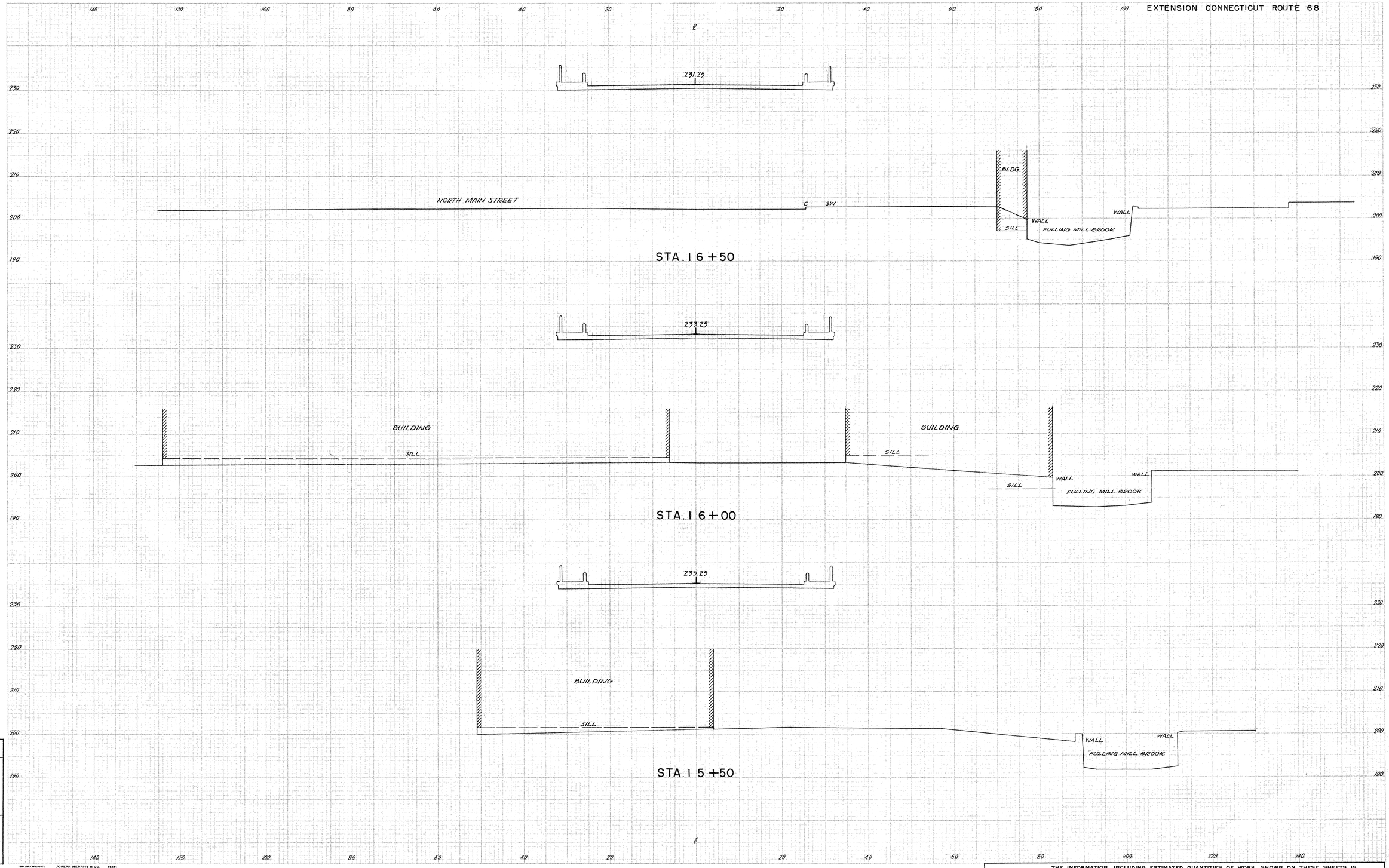
CROSS SECTIONS

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.	NAUGATUCK	US-8011	87-78	1958	68	63	88

EXTENSION CONNECTICUT ROUTE 68



STA. 15+50 TO STA. 16+50 FAT. 68 EXT.

NOTE BOOK NO. 87-67-N
Ground Surface Plotted by E. K. AND B
" " Checked by E. K. AND B
Template Sections Plotted by E. K. AND B
" " Checked by E. K. AND B
Areas by E. K. AND B
" Checked by E. K. AND B
Final Sections Plotted by
" " Checked by
Final Areas by
" " Checked by
Quantity Transferred and Inked by

188 ARKWRIGHT JOSEPH MERRITT & CO. 16691

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.

87 78

208 C2

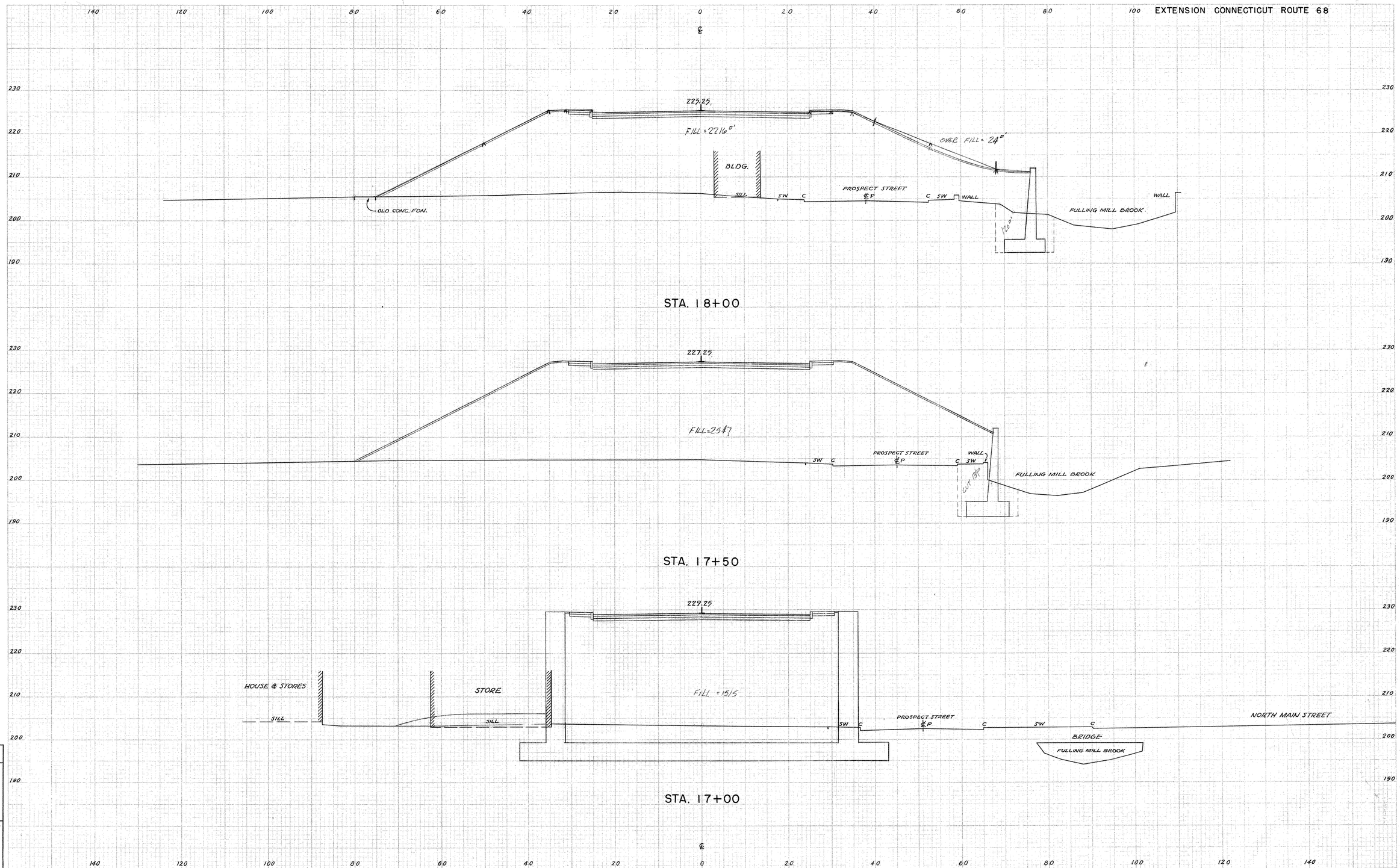
CROSS SECTIONS

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.	NAUGATUCK	US-8011	87-78	1958	68	64	88

EXTENSION CONNECTICUT ROUTE 68



NOTE BOOK NO. 87-67-L	
Ground Surface Plotted by	E. K. AND B
" " Checked by	E. K. AND B
Template Sections Plotted by	E. K. AND B
" " Checked by	E. K. AND B
Areas by	E. K. AND B
" Checked by	E. K. AND B
Final Sections Plotted by	H. L. Sicsgnano
" " Checked by	Ray Dube
Final Areas by	Paul H. Dube
" " Checked by	
Quantity Transferred and Inked by	

STA. 17+00 TO STA. 18+00 RT. 68 EXT.

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.

188 ARKWRIGHT JOSEPH MERRITT & CO. 16251

87 78

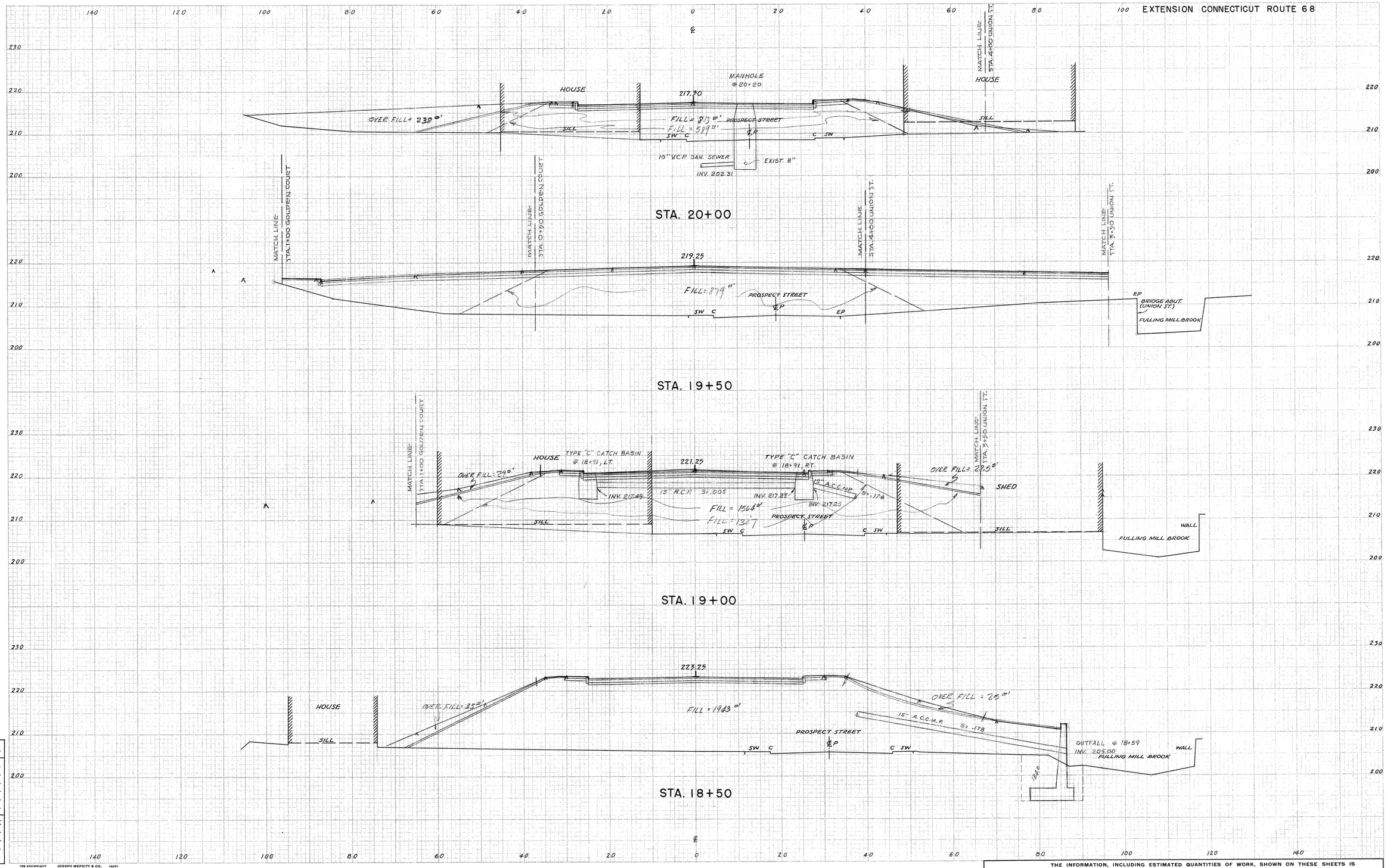
208 02

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.	NAUGATUCK	US-80(1)	87-78	1958	68	65	88



NOTE BOOK NO. 87-67-L

Ground Surface Plotted by E. K. AND B
" " Checked by E. K. AND B
Template Sections Plotted by E. K. AND B
" " Checked by E. K. AND B
Areas by E. K. AND B
" Checked by E. K. AND B
Final Sections Plotted by R. J. Sicignano
" " Checked by R. H. Dube
Final Areas by Paul H. Dube
" " 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.

188 ARKWRIGHT JOSEPH MERRITT & CO. 16881

87 78

208 02

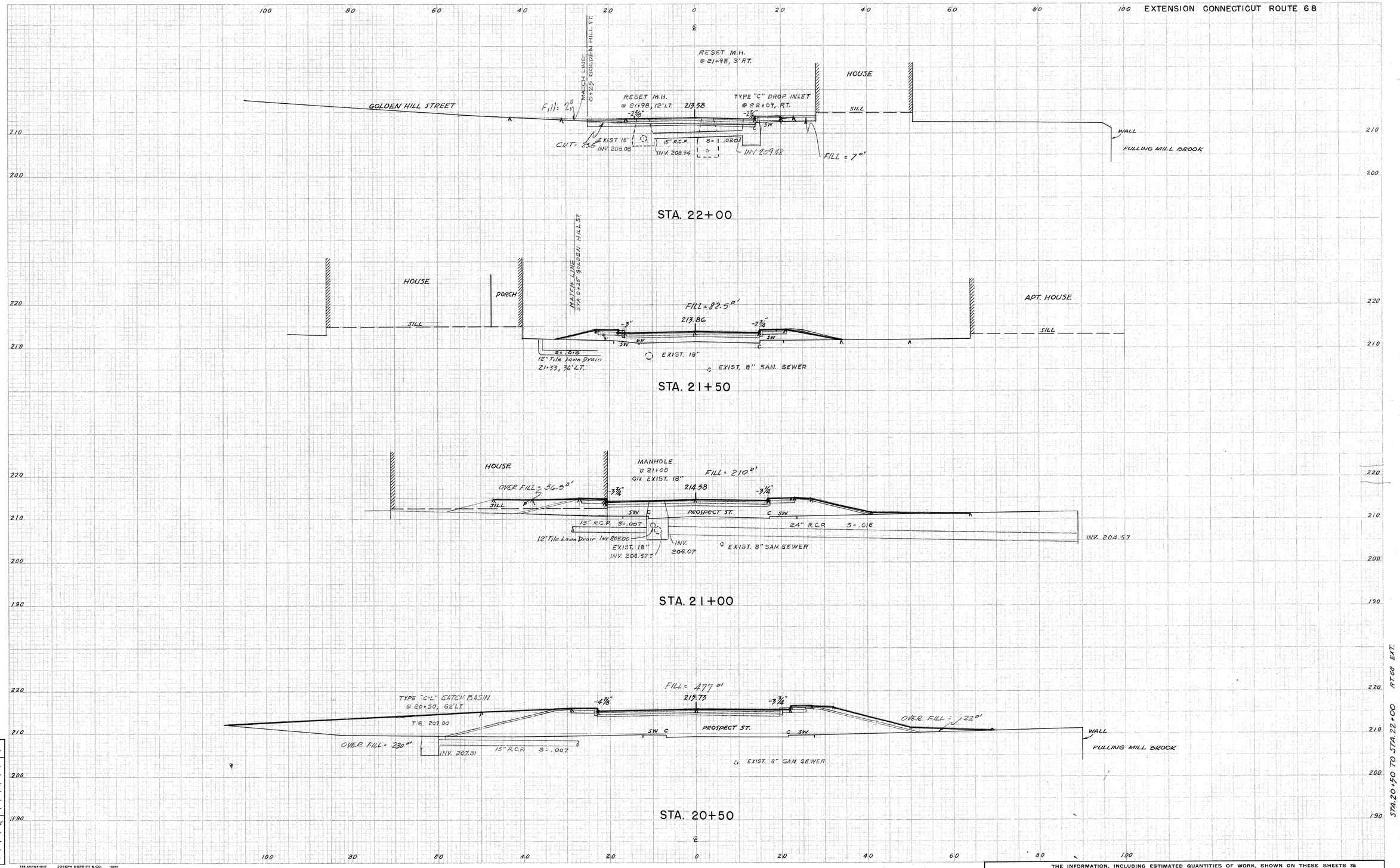
CROSS SECTIONS

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.	NAUGATUCK	US-801	87-78	1958	68	66	88

EXTENSION CONNECTICUT ROUTE 68



NOTE BOOK NO. 87-67-L

Ground Surface Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Template Sections Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Areas by E. K. AND B.
" Checked by E. K. AND B.

Final Sections Plotted by [illegible]
" " Checked by [illegible]
Final Areas by Paul H. Dube
" " 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.

188 ARKWRIGHT JOSEPH MERRITT & CO. 16281

87 78

208 02

66

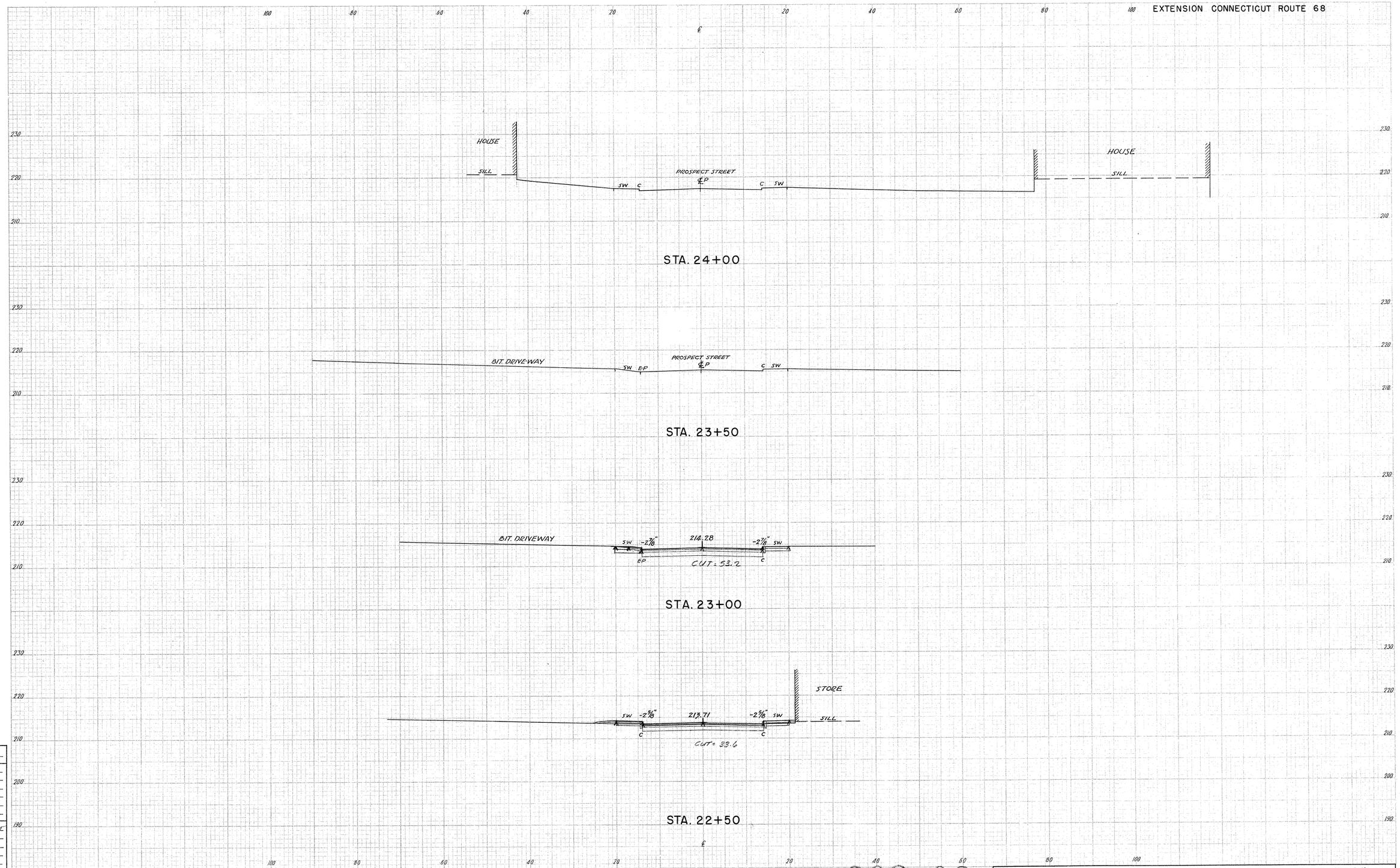
CROSS SECTIONS

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.	NAUGATUCK	US-80(1)	87-78	1958	68	67	88

EXTENSION CONNECTICUT ROUTE 68



NOTE BOOK NO. 87-67-L

Ground Surface Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Template Sections Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Areas by E. K. AND B.
" Checked by E. K. AND B.

Final Sections Plotted by R. J. Sicignano
" " Checked by [illegible]
Final Areas by Paul Dube
" " Checked by
Quantity Transferred and Inked by

138 ARKWRIGHT JOSEPH MERRITT & CO. 16251

87 78

208 02

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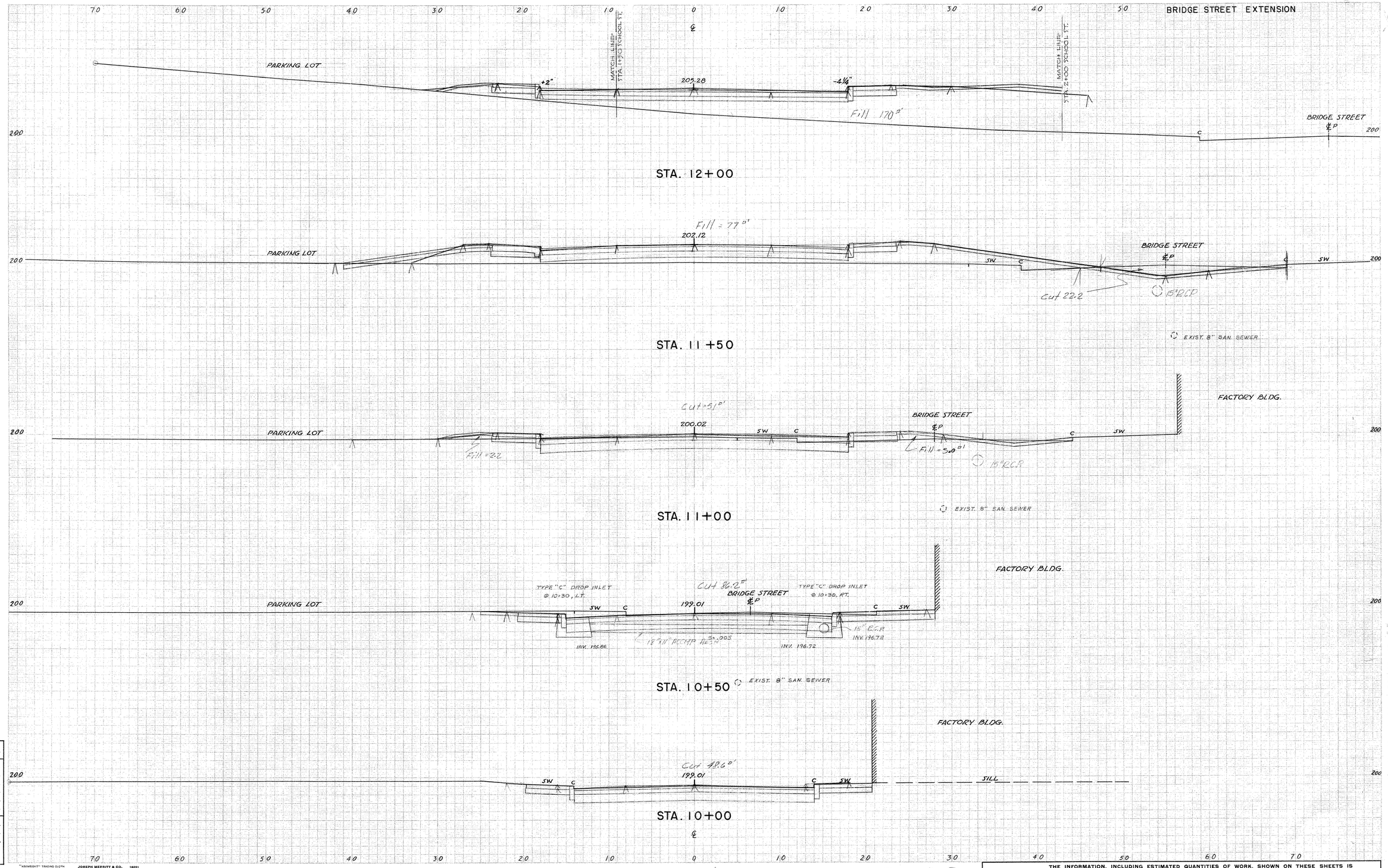
67

CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8010	87-78	1958	68	68	88



NOTE BOOK NO. 87-67-N	
Ground Surface Plotted by	E. K. AND B.
" " Checked by	E. K. AND B.
Template Sections Plotted by	E. K. AND B.
" " Checked by	E. K. AND B.
Areas by	E. K. AND B.
Checked by	E. K. AND B.
Final Sections Plotted by	C. ANGSA
" Checked by	Paul H. Duke
Final Areas by	Paul H. Duke
" Checked by	
Quantity Transferred and Inked by	

"ARMWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16251

87 78

208 02

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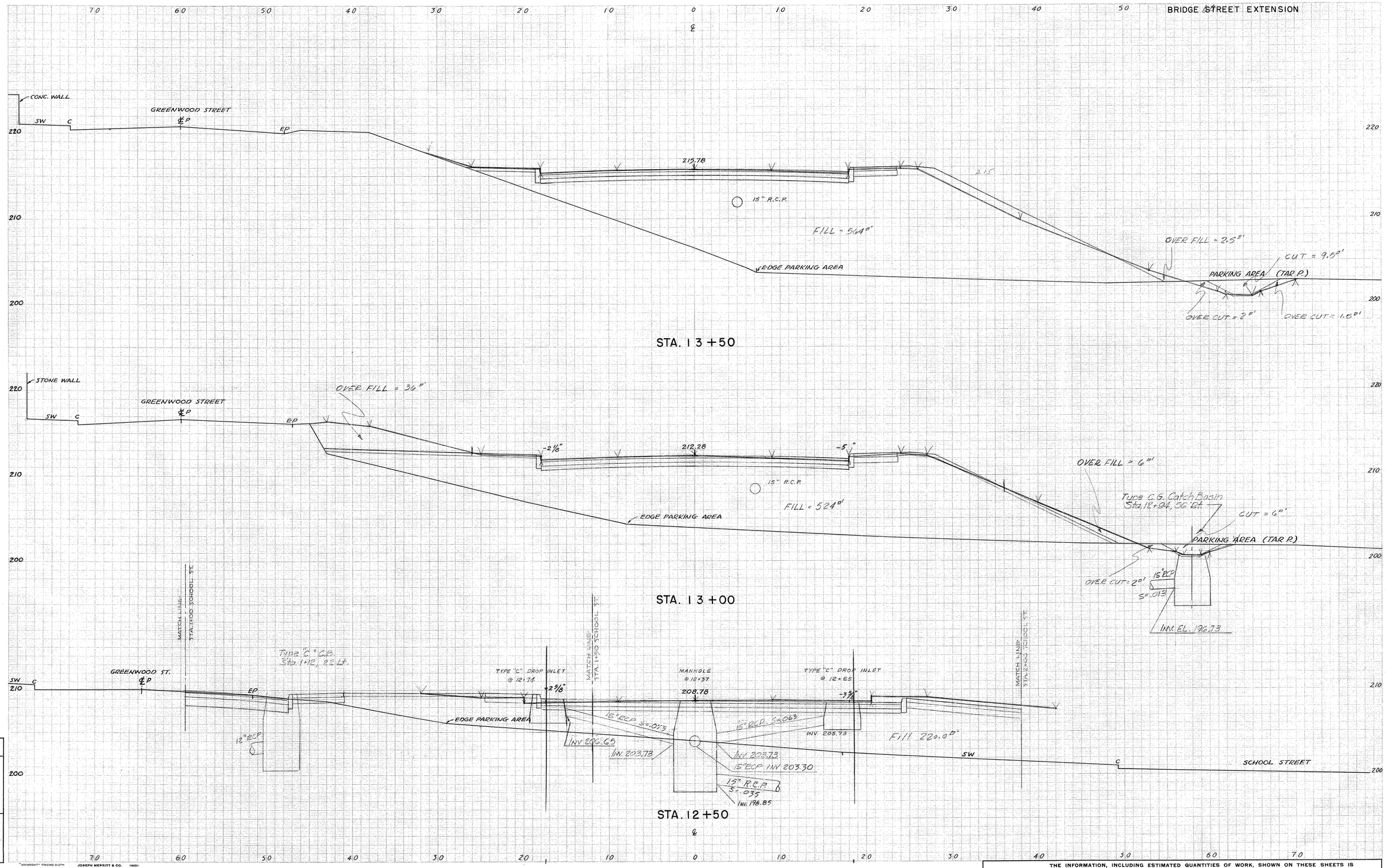
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	69	88



OTE BOOK NO.	87-67-N
und Surface Plotted by	E. K. AND B
" " Checked by	E. K. AND B
plate Sections Plotted by	E. K. AND B
" " Checked by	E. K. AND B
ss by	E. K. AND B
Checked by	E. K. AND B
al Sections Plotted by	B. R. FILLY
" Checked by	P. A. Dube
al Areas by	Paul H. Dube
" Checked by	
ntity Transferred and Inked by	

"ARCWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16251

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87 78

208 02

69

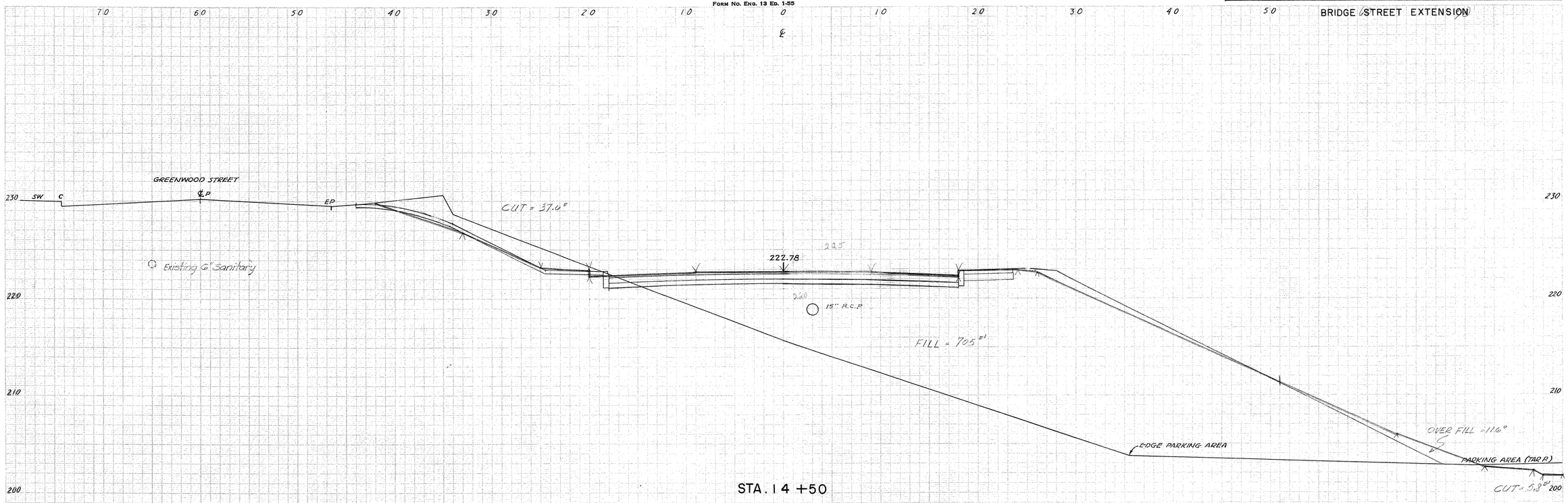
CROSS SECTIONS

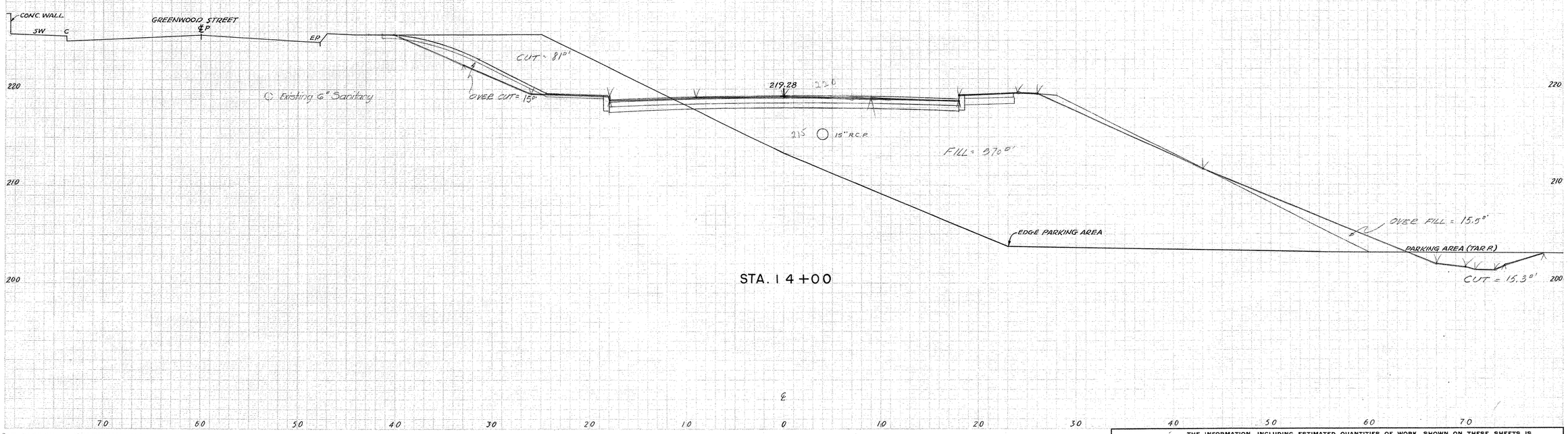
SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 1-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-800	87-78	1958	68	70	88

BRIDGE STREET EXTENSION





BRIDGE ST. EXT.

STA. 14+00 TO STA. 14+50

E BOOK NO.	87-67-N
d Surface Plotted by	E. K. AND B
" Checked by	E. K. AND B
ate Sections Plotted by	E. K. AND B
" Checked by	E. K. AND B
by	E. K. AND B
Checked by	E. K. AND B
Sections Plotted by	B. Reilly
" Checked by	H. H. Burke
Areas by	Frank Barber
" Checked by	
ty Transferred and Inked by	

"ARCWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 19566

87 78

208 02

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70

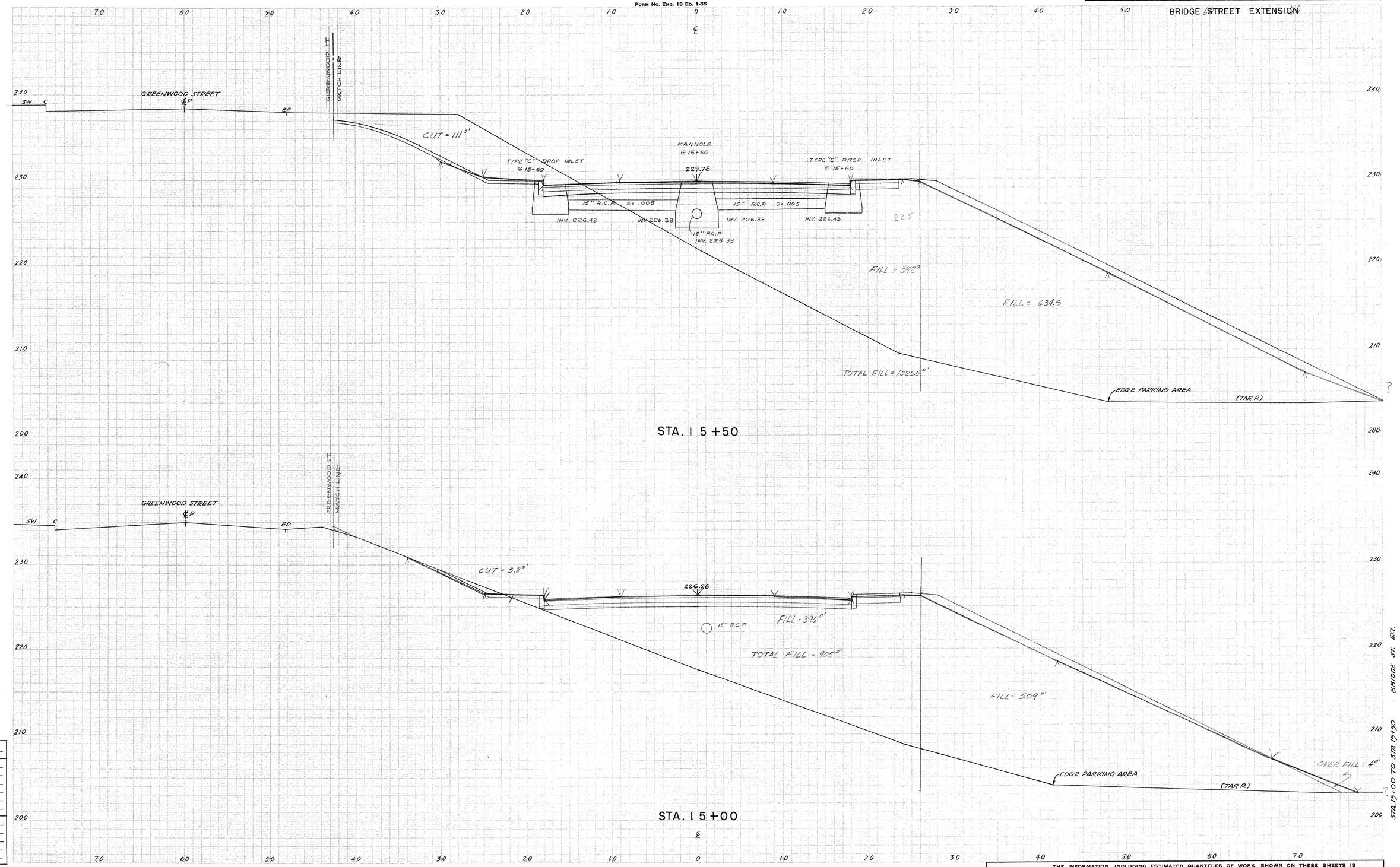
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 1-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	71	88

BRIDGE STREET EXTENSION



TE BOOK NO. 87-67-N

d Surface Plotted by E. K. AND B
" Checked by E. K. AND B
late Sections Plotted by E. K. AND B
" Checked by E. K. AND B
by E. K. AND B
Checked by E. K. AND B

Sections Plotted by B. Reilly
" Checked by P.H. Dube
Areas by Paul Dube
" Checked by
ity Transferred and Inked by

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 19586

87 78

208 02

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71

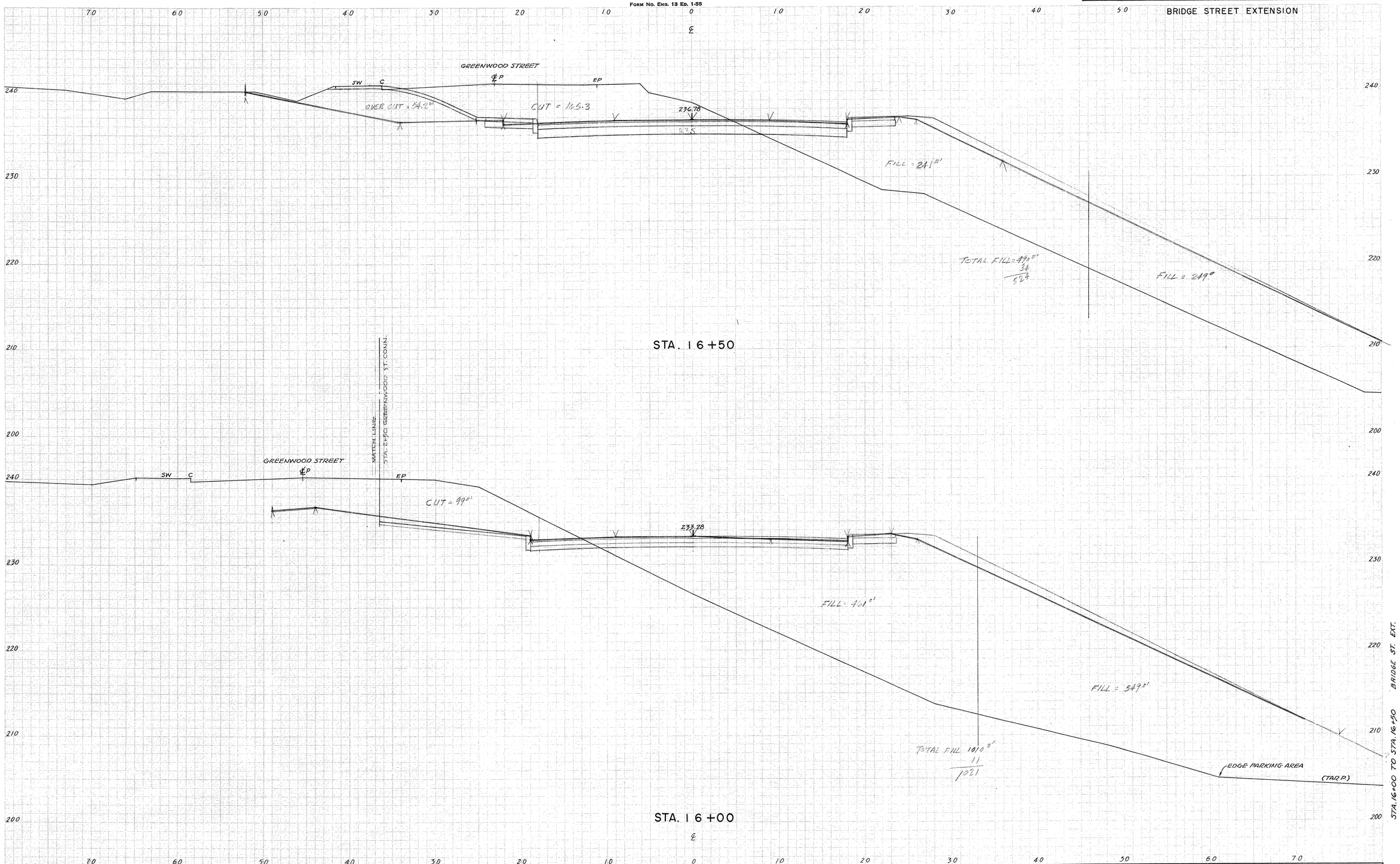
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 1-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8011	87-78	1958	68	72	88

BRIDGE STREET EXTENSION



STA. 16+00 TO STA. 16+50 BRIDGE ST. EXT.

E BOOK NO.	87-67-N
d Surface Plotted by	E. K. AND B.
" Checked by	E. K. AND B.
ate Sections Plotted by	E. K. AND B.
" Checked by	E. K. AND B.
by	E. K. AND B.
Checked by	E. K. AND B.
Sections Plotted by	B. Reilly
" Checked by	A. H. Duke
Areas by	Paul Duke
" Checked by	
ity Transferred and Inked by	

"ALBOWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 18586

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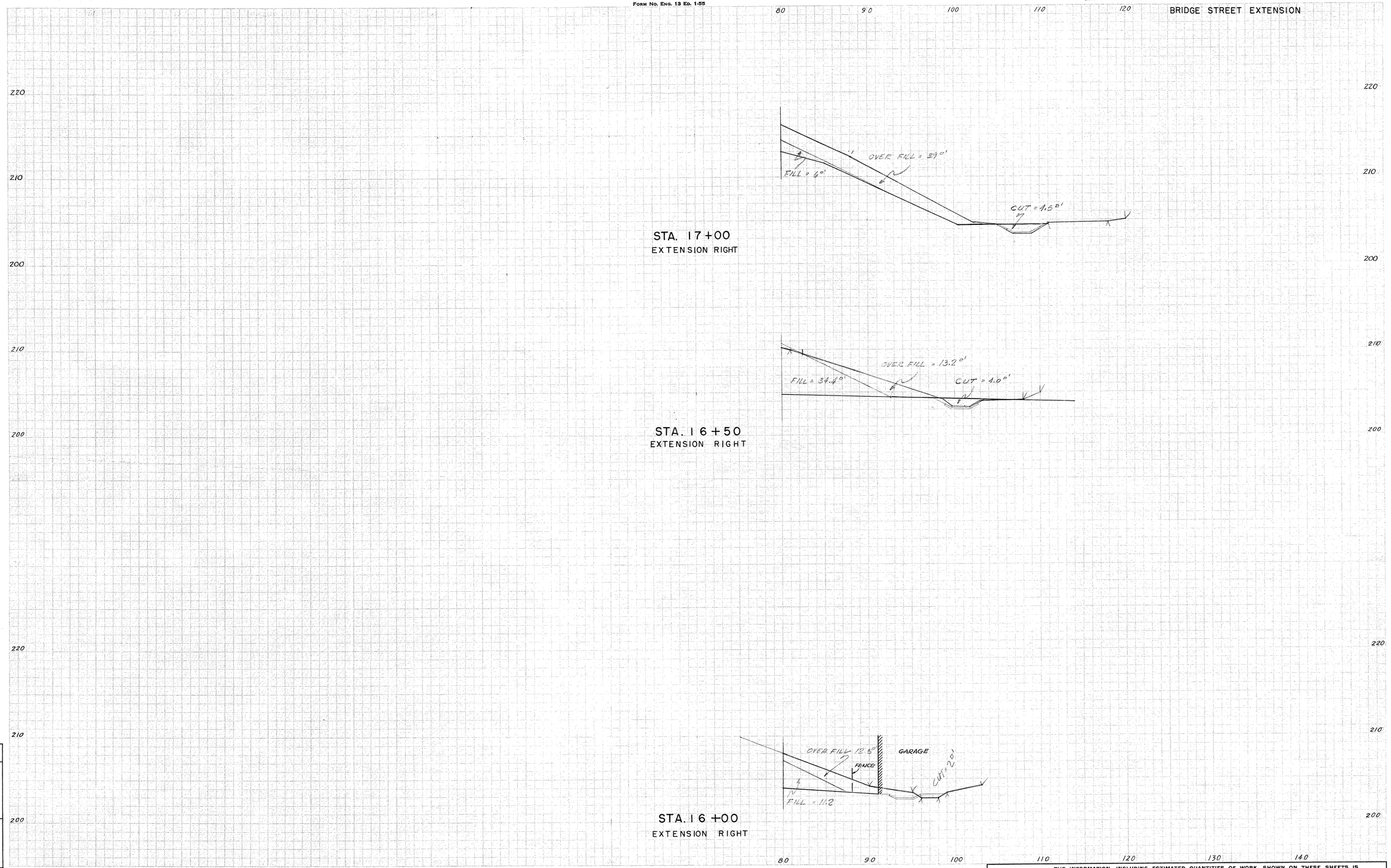
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 1-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8001	87-78	1958	68	73	88

BRIDGE STREET EXTENSION



NOTE BOOK NO. 87-67-N	
Ground Surface Plotted by	E.K. AND B.
" Checked by	E.K. AND B.
Cross Plate Sections Plotted by	E.K. AND B.
" " Checked by	E.K. AND B.
Areas by	E.K. AND B.
Checked by	
Final Sections Plotted by	B. Reilly
" Checked by	Paul Duke
Final Areas by	Paul Duke
" Checked by	
Quantity Transferred and Inked by	

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 13566

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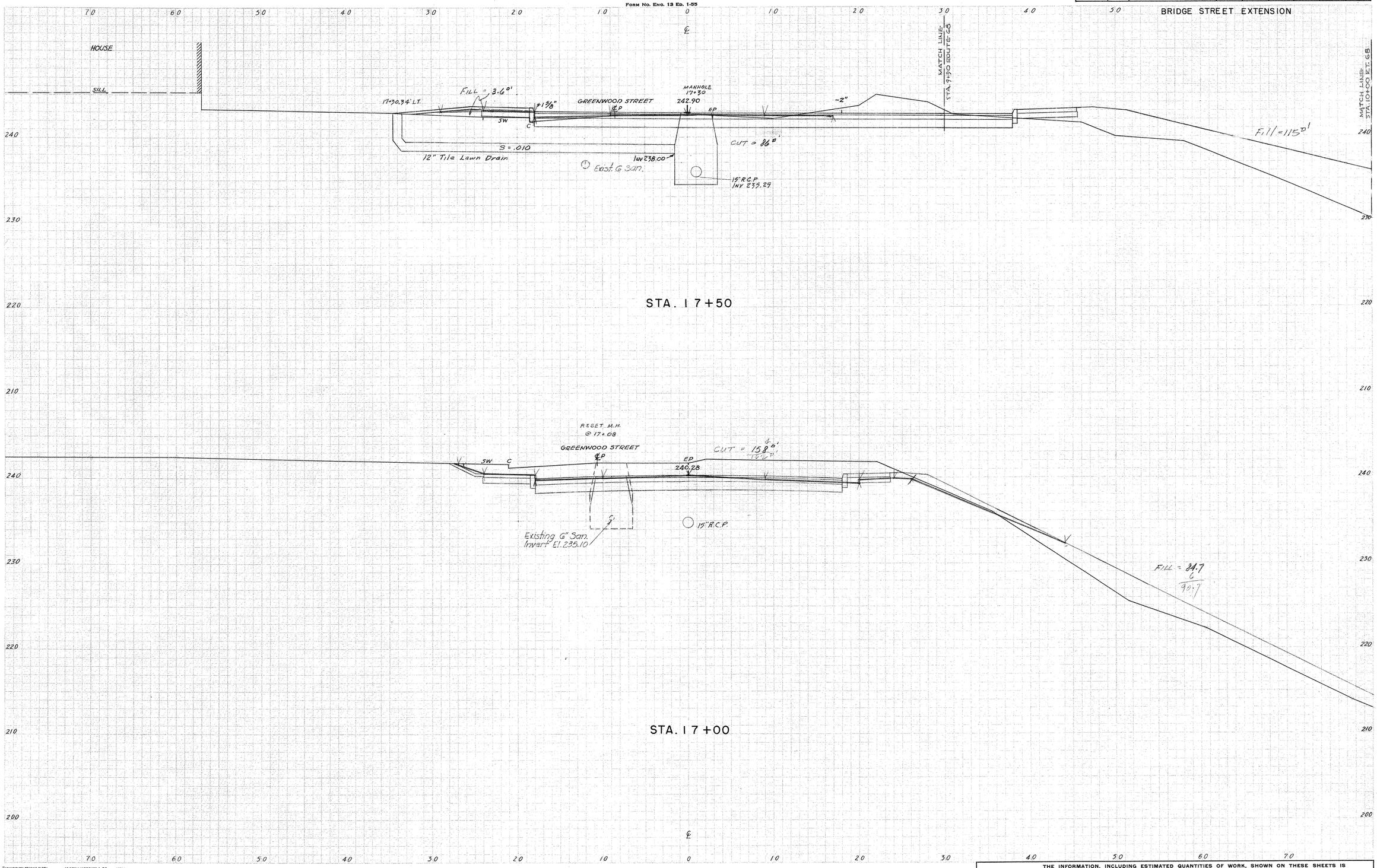
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 1-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-801(1)	87-78	1958	68	74	88

BRIDGE STREET EXTENSION



BRIDGE ST. EXT.

STA. 17+00 TO STA. 17+50

TE BOOK NO.	87-67-N
nd Surface Plotted by	E.K. AND B.
" Checked by	E.K. AND B.
plate Sections Plotted by	E.K. AND B.
" " Checked by	E.K. AND B.
by	E.K. AND B.
Checked by	E.K. AND B.
Sections Plotted by	
" Checked by	
Areas by	Paul Dube
" Checked by	
tity Transferred and Inked by	

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 13986

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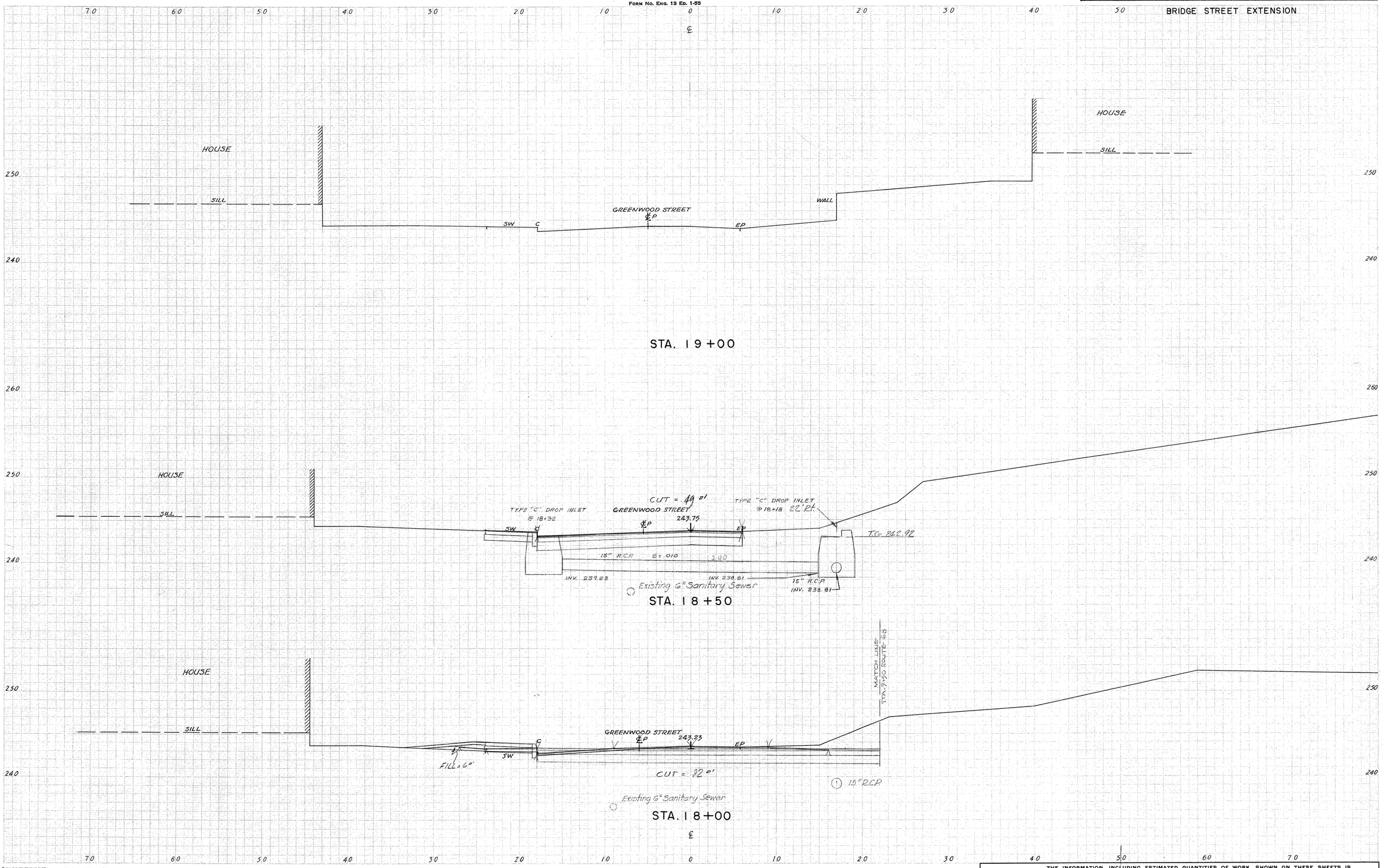
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 1-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8011	87-78	1958	68	75	88

BRIDGE STREET EXTENSION



TE BOOK NO. 87-67-N	
nd Surface Plotted by	E. K. AND B
" Checked by	E. K. AND B
ulate Sections Plotted by	E. K. AND B
" Checked by	E. K. AND B
by	E. K. AND B
Checked by	E. K. AND B
Sections Plotted by	B. Reilly
" Checked by	Paul H. Dube
Areas by	Paul H. Dube
" Checked by	
tity Transferred and Inked by	

"ARKWRIGHT" TRADING CLOTH JOSEPH MERRITT & CO. 18896

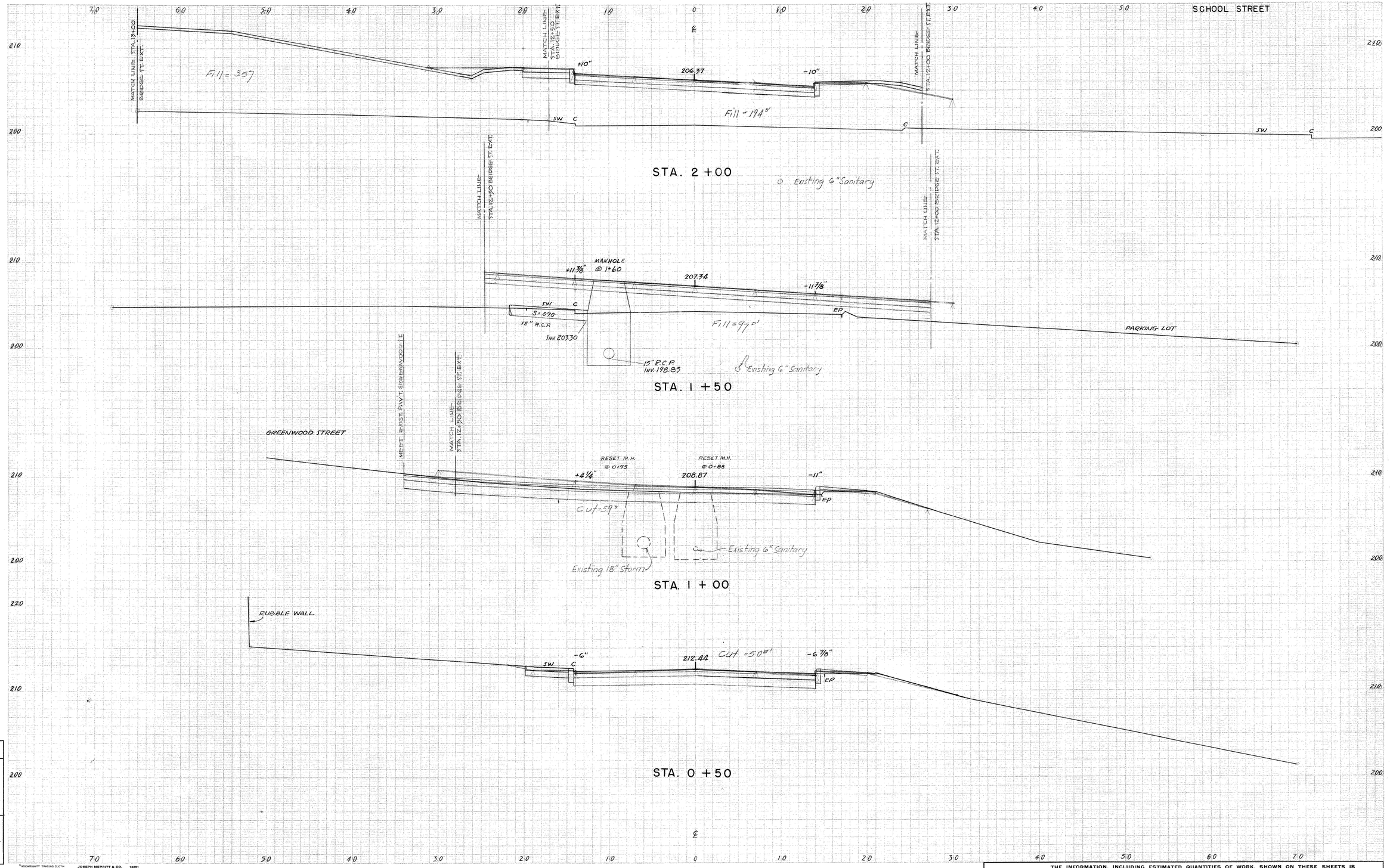
THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED.

CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8010	87-78	1958	68	76	88



NOTE BOOK NO. 87-67-N

Ground Surface Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Cross Sections Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Areas by E. K. AND B.
Checked by E. K. AND B.

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

"ARCHRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16251

87 78

208 02

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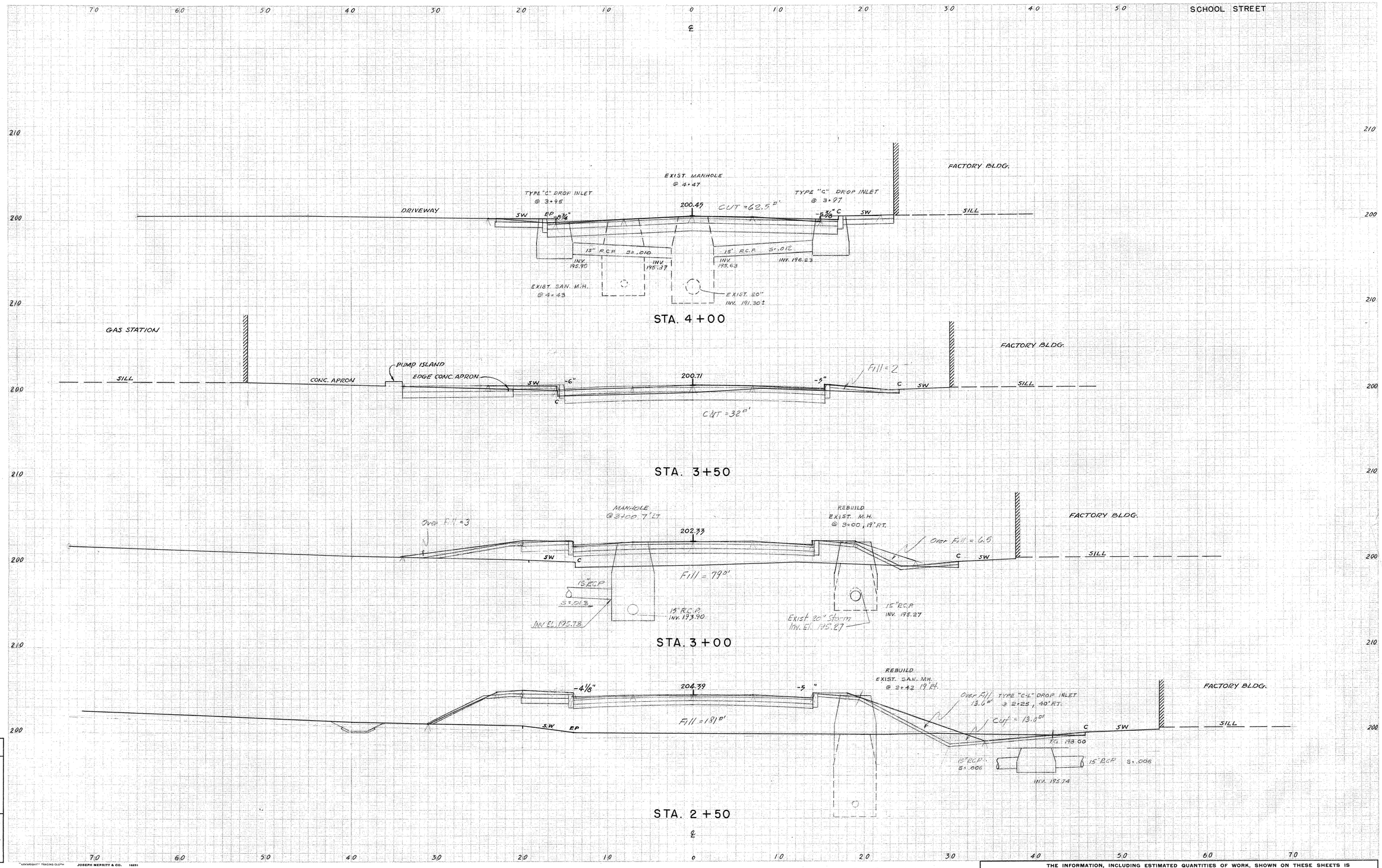
76

CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-801	87-78	1958	68	77	88



NOTE BOOK NO. 87-G7-N	
Ground Surface Plotted by	E.K. AND B.
" " Checked by	E.K. AND B.
Template Sections Plotted by	E.K. AND B.
" " Checked by	E.K. AND B.
Areas by	E.K. AND B.
Checked by	E.K. AND B.
Final Sections Plotted by	
" Checked by	R.H. Rubin
Final Areas by	
" Checked by	
Quantity Transferred and Inked by	

"ARWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16251

87 78

208 02

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STA. 2+50 TO STA. 4+00 SCHOOL ST.

77

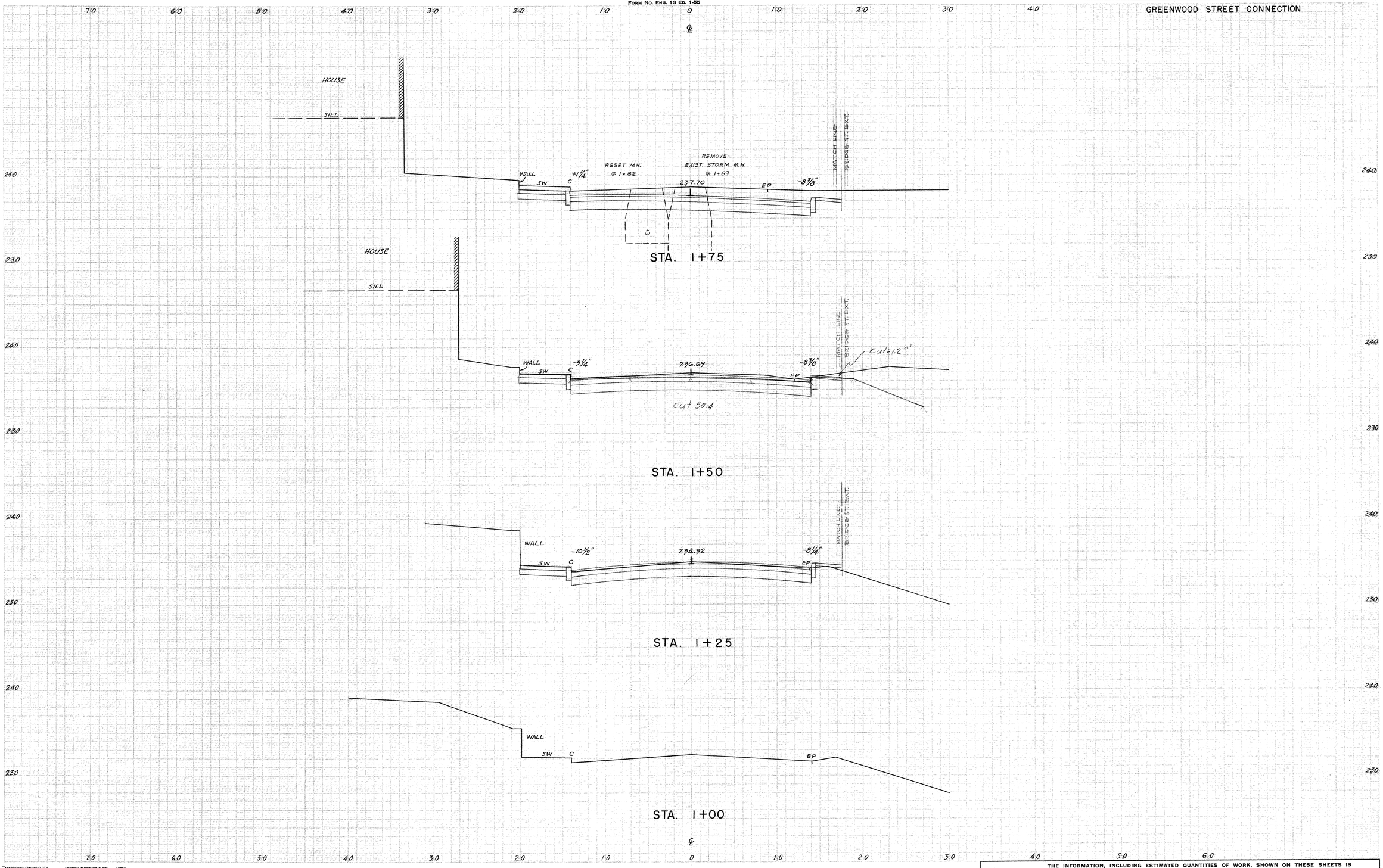
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 1-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	78	88

GREENWOOD STREET CONNECTION



STA. 1+00 TO STA. 1+75 GREENWOOD ST. CONN.

TE BOOK NO. 87-67-F

nd Surface Plotted by E. K. AND B.
" Checked by E. K. AND B.
plate Sections Plotted by E. K. AND B.
" " Checked by E. K. AND B.
s by E. K. AND B.
Checked by E. K. AND B.

l Sections Plotted by F. Shaltes III
" Checked by Pat. Dube
l Areas by Paul Dube
" Checked by
ntity Transferred and Inked by

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 13586

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87 78

208 02

78

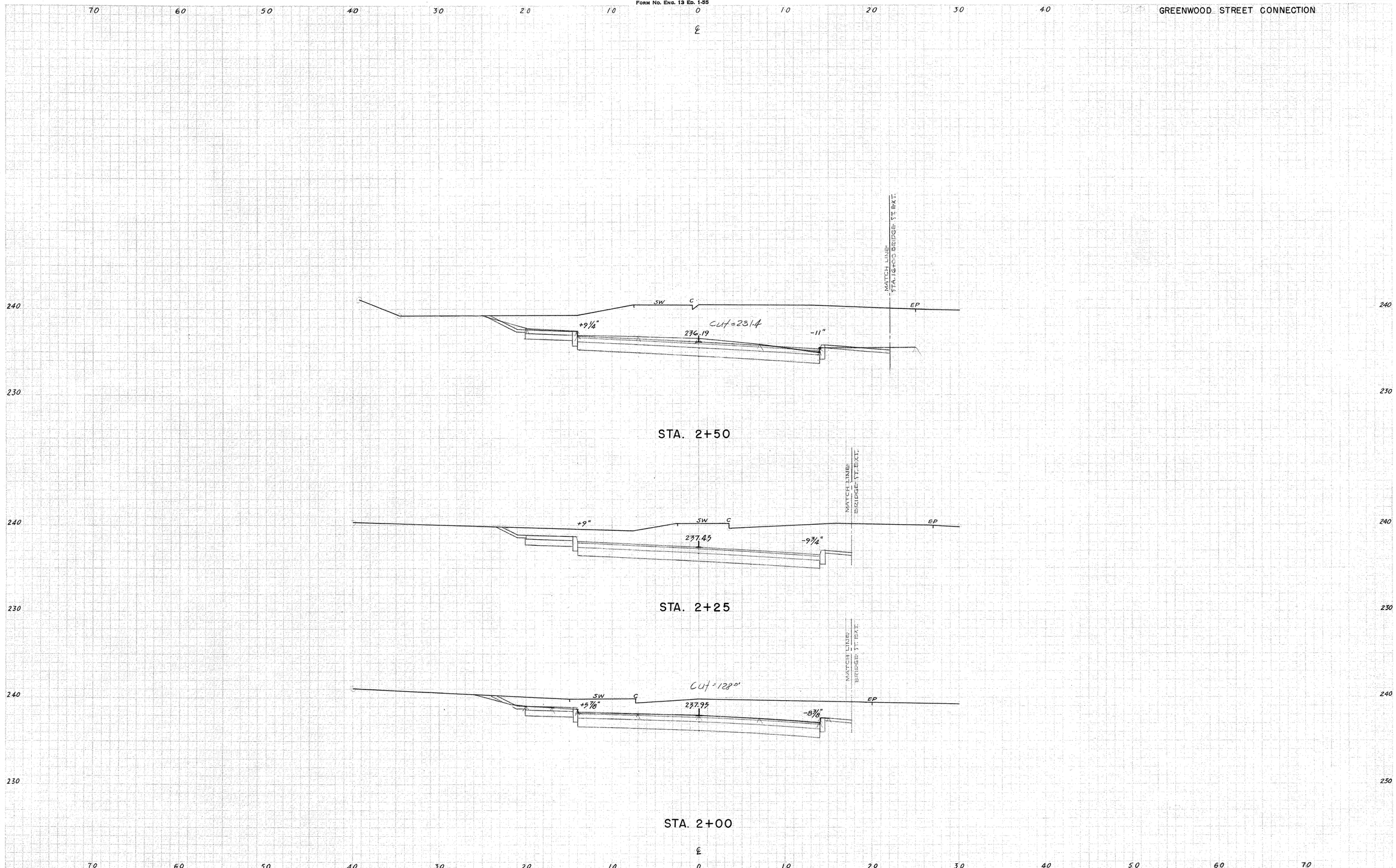
CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 1-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	79	88

GREENWOOD STREET CONNECTION



GREENWOOD ST. CONN.

STA. 2+00 TO STA. 2+50

OTE BOOK NO. 87-67-F

ound Surface Plotted by E. K. AND B.
" " Checked by E. K. AND B.
nplate Sections Plotted by E. K. AND B.
" " Checked by E. K. AND B.
as by E. K. AND B.
Checked by E. K. AND B.

al Sections Plotted by Rhoffesmith
" Checked by P. H. Dube
al Areas by Paul Dube
" Checked by
antity Transferred and Inked by

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 13686

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87 78

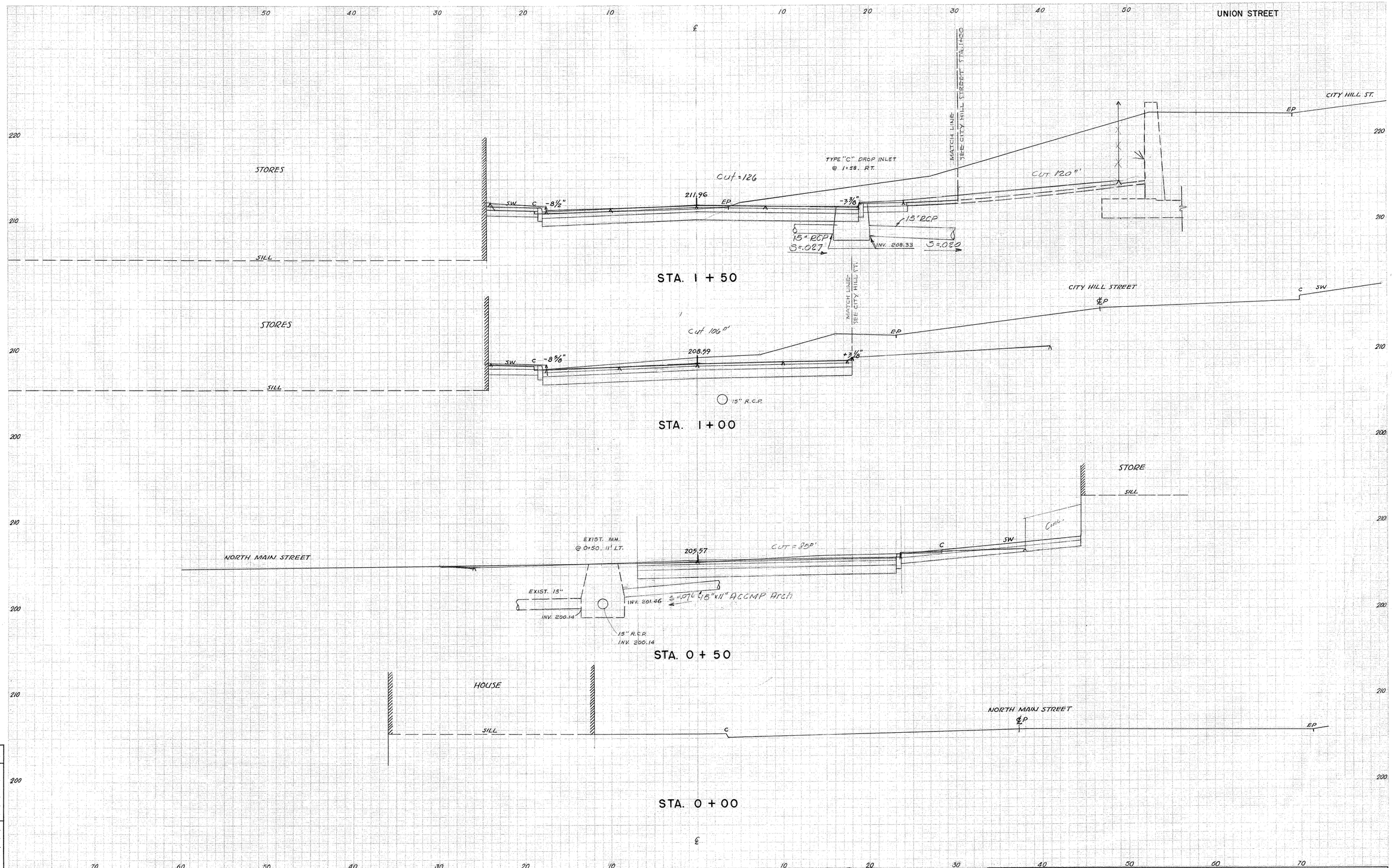
208 02

CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8001	87-78	1958	68	80	88



NOTE BOOK NO. 87-67-S	
Ground Surface Plotted by	E. K. AND B
" " Checked by	E. K. AND B
Template Sections Plotted by	E. K. AND B
" " Checked by	E. K. AND B
Areas by	E. K. AND B
Checked by	E. K. AND B
Final Sections Plotted by	
" Checked by	
Final Areas by	
" Checked by	
Quantity Transferred and Inked by	

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16691

87 78

208 02

80

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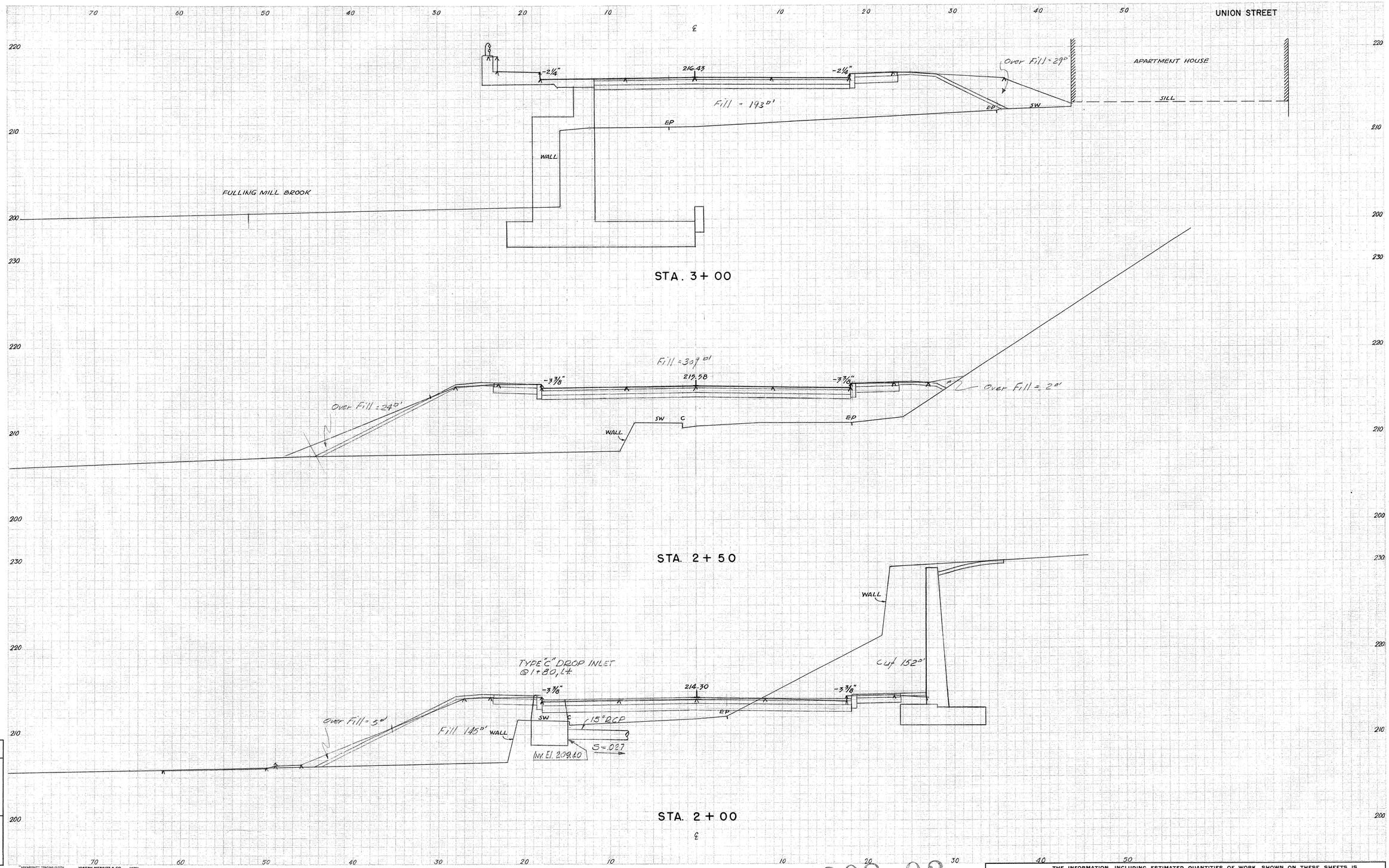
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8010	87-78	1958	68	81	88



NOTE BOOK NO. 87-G7-S	
Ground Surface Plotted by	E. K. AND B
" " Checked by	E. K. AND B
Cross Plate Sections Plotted by	E. K. AND B
" " Checked by	E. K. AND B
Data by	E. K. AND B
Checked by	E. K. AND B
Final Sections Plotted by	M. J. Sicignano
" Checked by	Paul Duke
Final Areas by	Paul Duke
" Checked by	
Quantity Transferred and Inked by	

"ARMWRIGHT" TRACING CLOTH JOSEPH MEPRITT & CO. 16251

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87 78

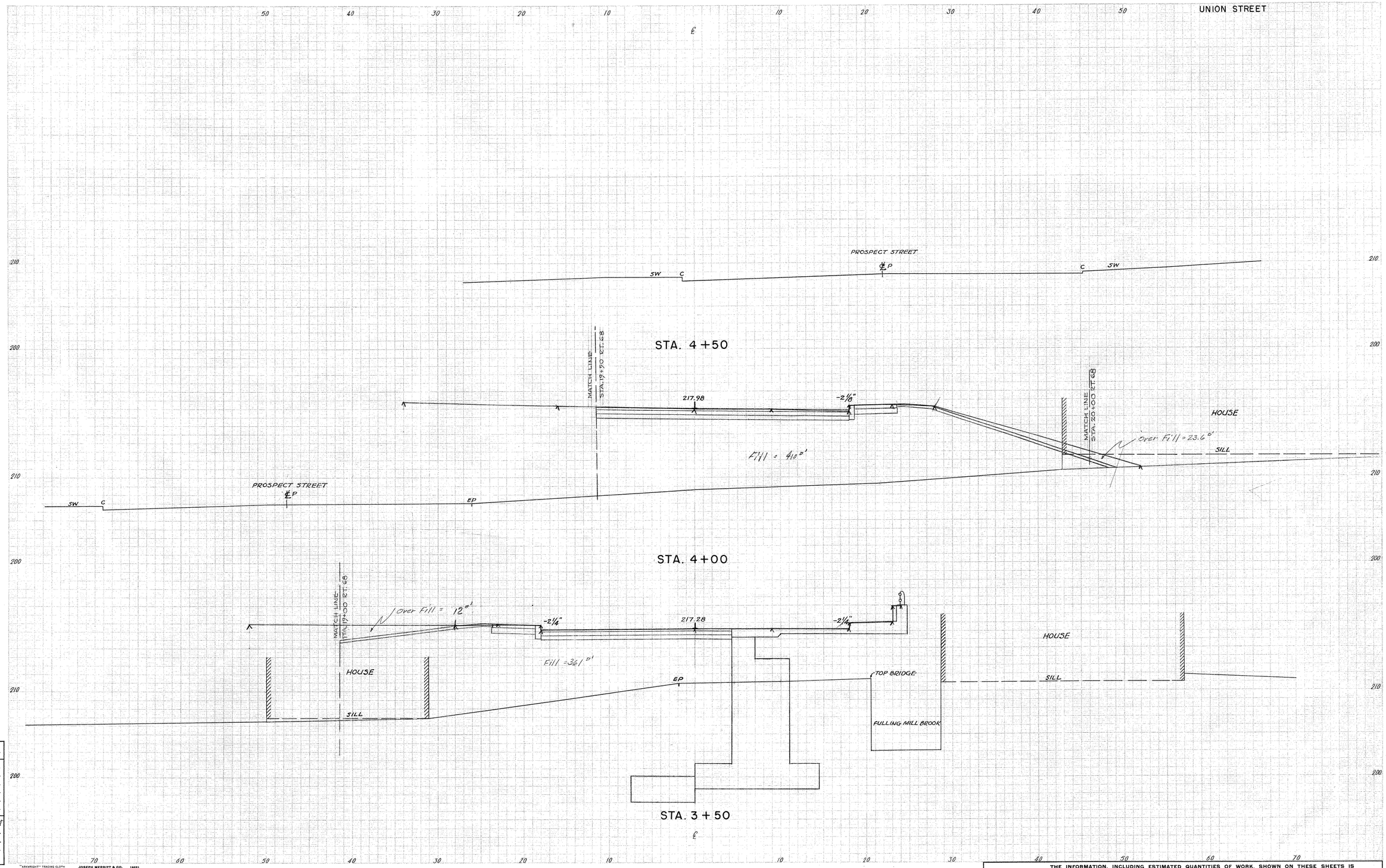
208 02

CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	82	88



OTE BOOK NO. 87-67-S

ound Surface Plotted by E. K. AND B.
" " Checked by E. K. AND B.
nplate Sections Plotted by E. K. AND B.
" " Checked by E. K. AND B.
as by E. K. AND B.
Checked by E. K. AND B.

al Sections Plotted by R. J. Seignant
" Checked by R. H. Duke
al Areas by Paul H. Duke
" Checked by
ntity Transferred and Inked by

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16281

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87 78

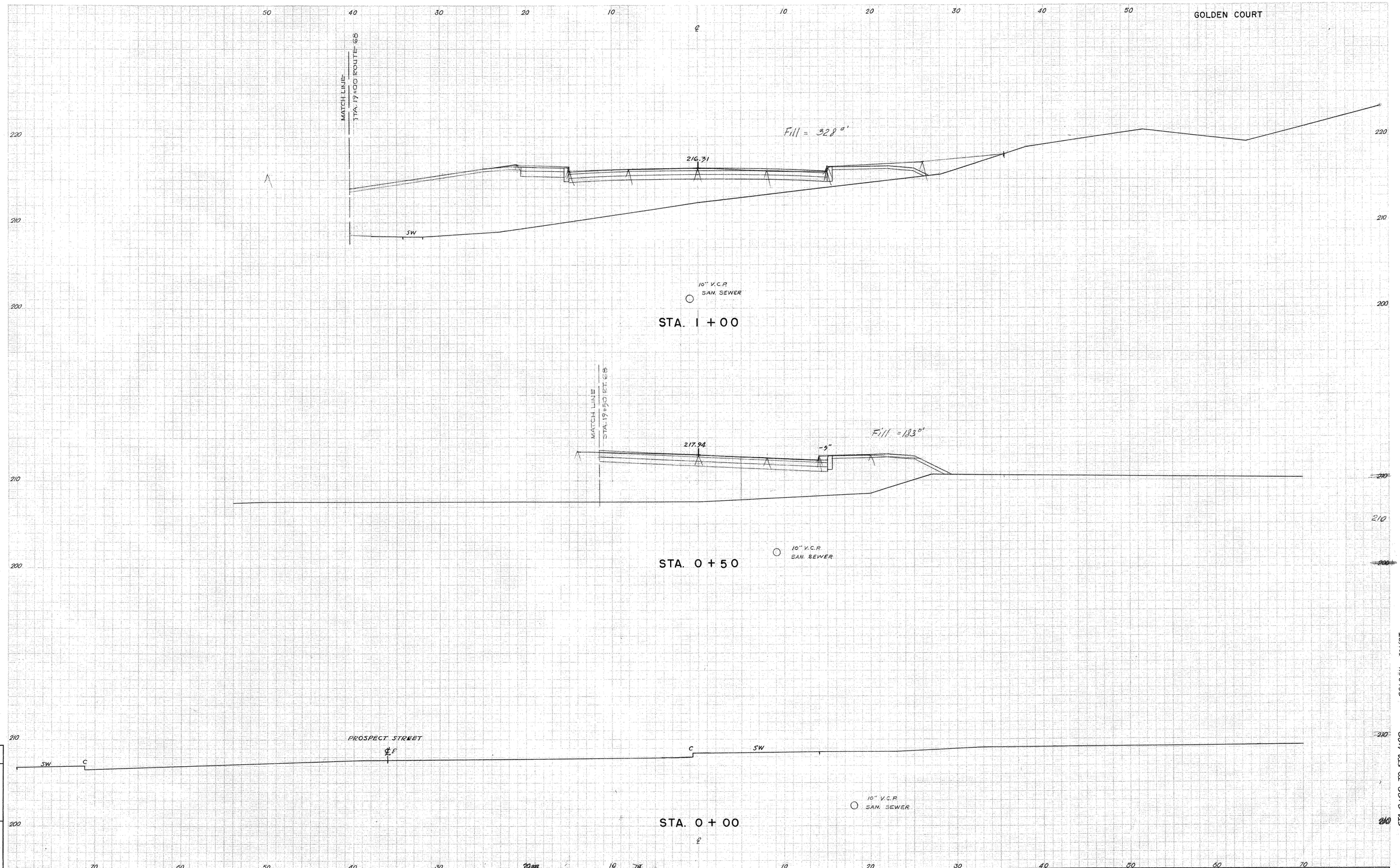
208 02

CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-800	87-78	1958	68	83	88



NOTE BOOK NO. 87-67-L	
Ground Surface Plotted by	E.K. AND B.
" " Checked by	E.K. AND B.
Duplate Sections Plotted by	E.K. AND B.
" " Checked by	E.K. AND B.
Areas by	E.K. AND B.
Checked by	E.K. AND B.
Final Sections Plotted by	
" Checked by	R.H. Duber
Final Areas by	R.H. Duber
" Checked by	
Quantity Transferred and Inked by	

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16251

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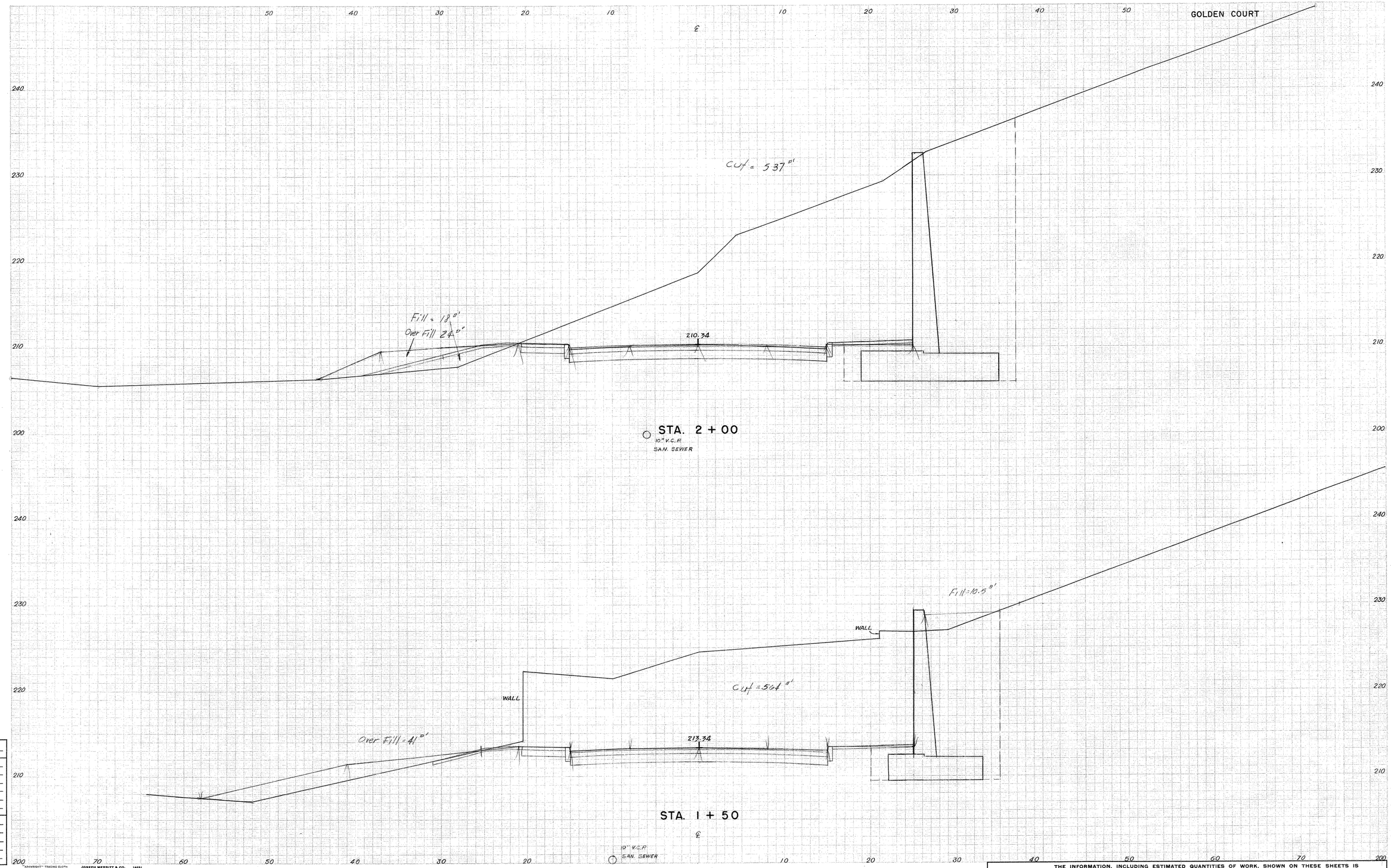
87 78 208 02 83

CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	84	89



TE BOOK NO. 87-67-L

nd Surface Plotted by E. K. AND B.
" Checked by E. K. AND B.
plate Sections Plotted by E. K. AND B.
" " Checked by E. K. AND B.
s by E. K. AND B.
Checked by E. K. AND B.

l Sections Plotted by
" Checked by
l Areas by
" Checked by
tity Transferred and Inked by

"ARCHWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16251

87 78

208 02

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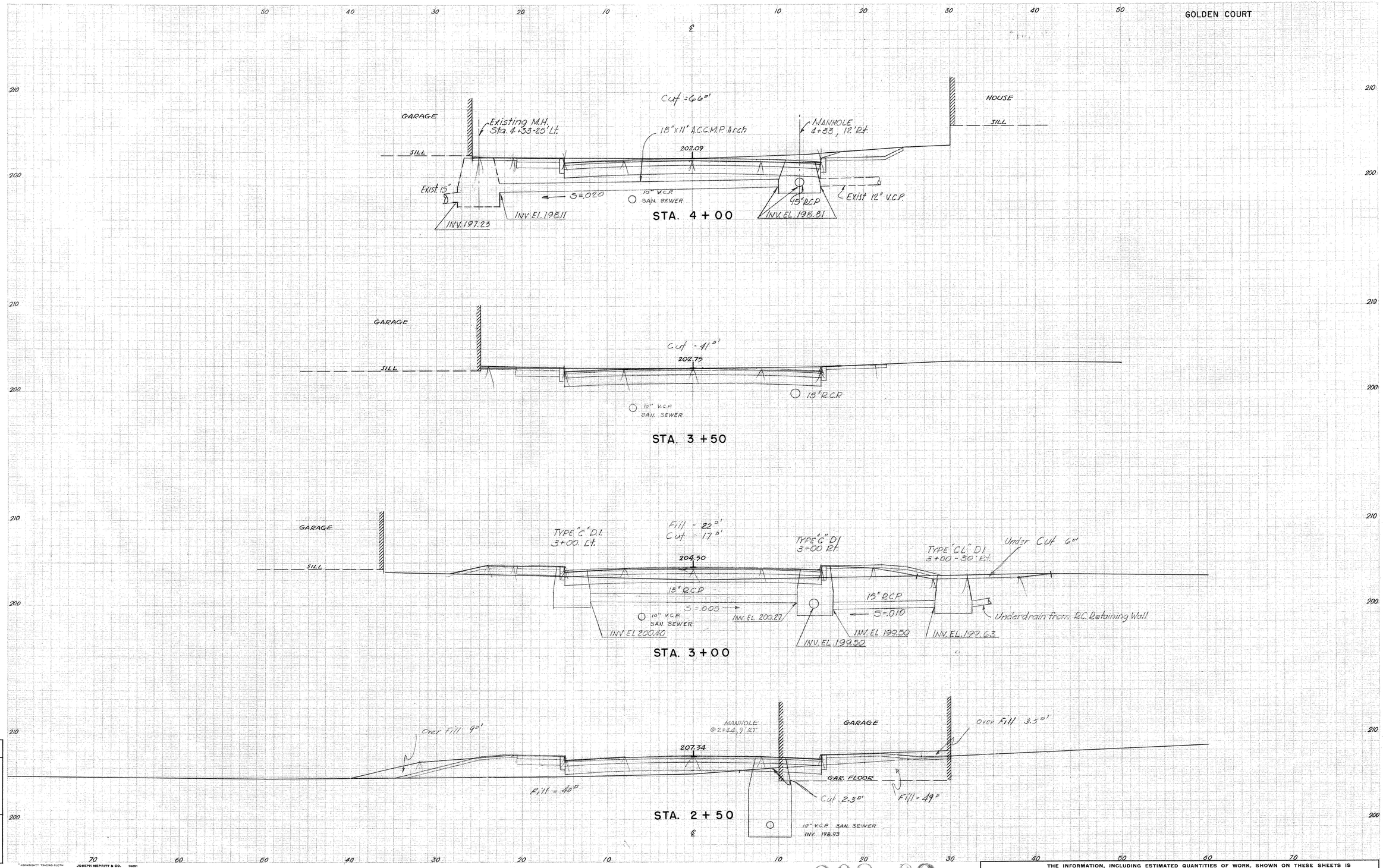
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	86	88

GOLDEN COURT



NOTE BOOK NO. 87-67-L	
Ground Surface Plotted by	E. K. AND B
" " Checked by	E. K. AND B
Profile Sections Plotted by	E. K. AND B
" " Checked by	E. K. AND B
Plan by	E. K. AND B
Checked by	E. K. AND B
Final Sections Plotted by	
" Checked by	Pat Wade
Final Areas by	Paul H. Duke
" Checked by	
Quantity Transferred and Inked by	

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 14251

87 78

208 02

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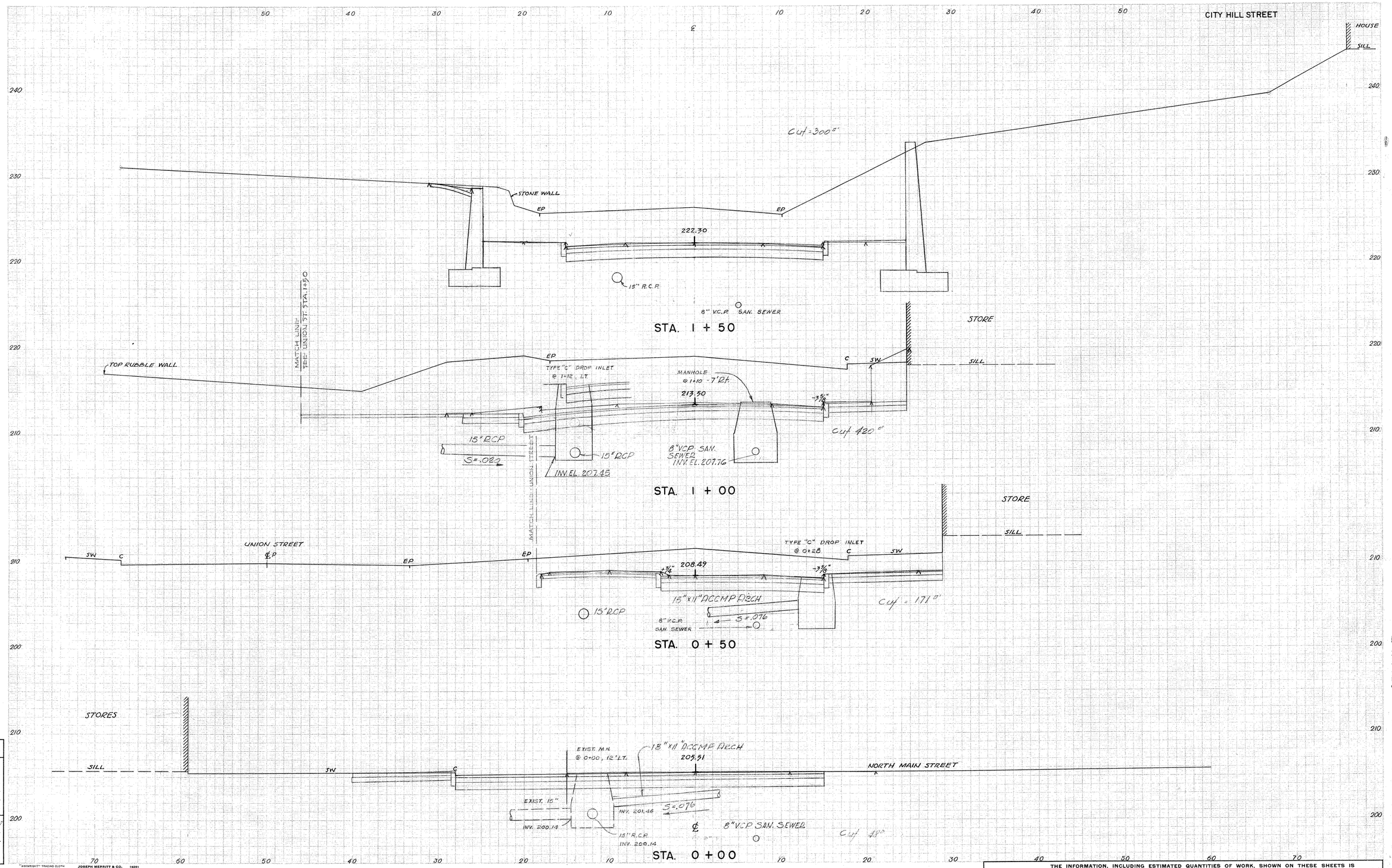
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8010	87-78	1958	68	86	88



NOTE BOOK NO.	87-67-S
Ground Surface Plotted by	E. K. AND B.
" " Checked by	E. K. AND B.
Template Sections Plotted by	E. K. AND B.
" " Checked by	E. K. AND B.
Areas by	E. K. AND B.
Checked by	
Final Sections Plotted by	[illegible]
" Checked by	[illegible]
Final Areas by	[illegible]
" Checked by	
Quantity Transferred and Inked by	

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 18251

87 78

208 02

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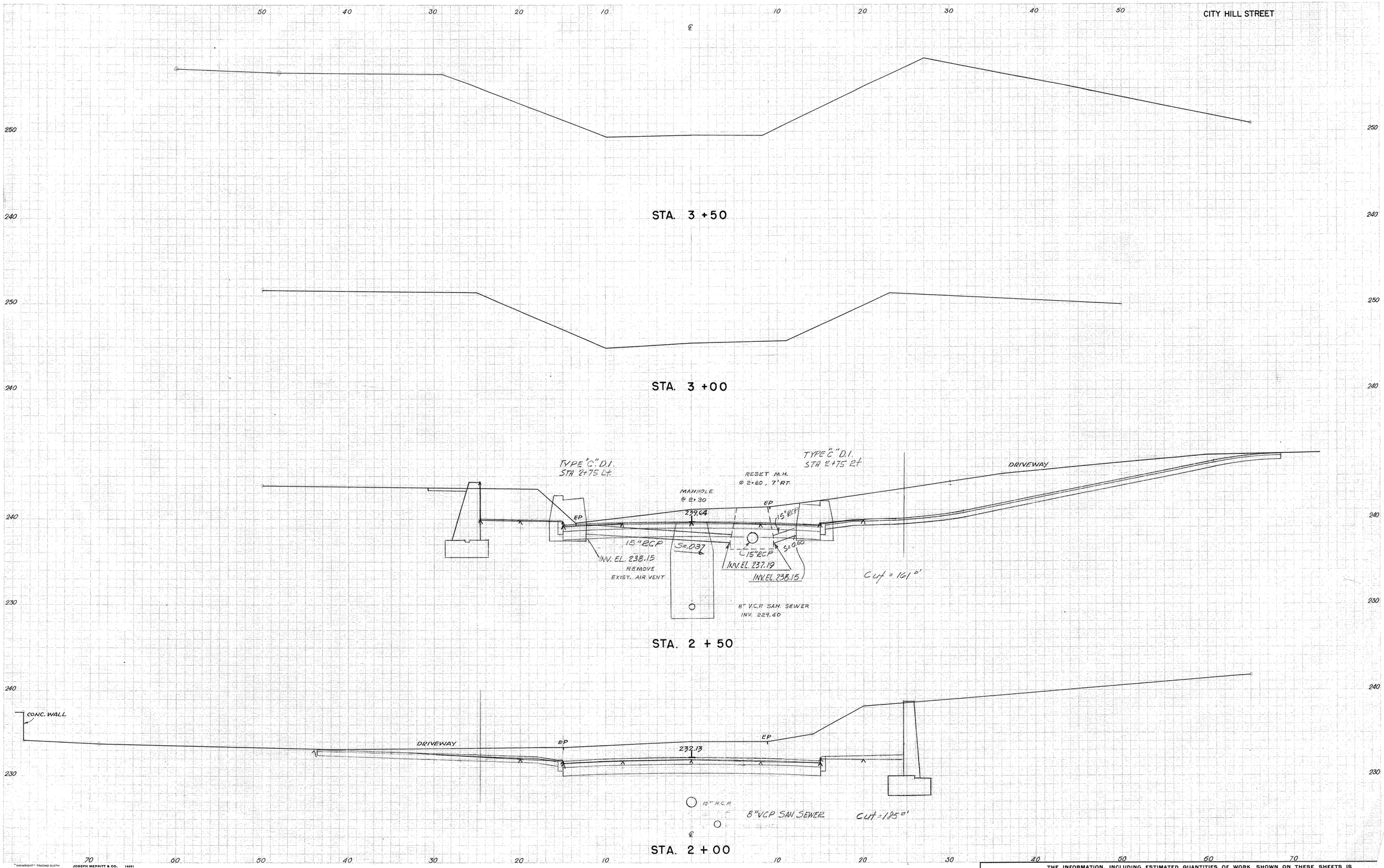
CROSS SECTIONS

SCALE 1 INCH=5 FEET

FORM NO. ENG. 13 ED. 3-56

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-8011	87-78	1958	68	87	88



NOTE BOOK NO. 87-67-5	
Ground Surface Plotted by	E. K. AND B.
" " Checked by	E. K. AND B.
Template Sections Plotted by	E. K. AND B.
" " Checked by	E. K. AND B.
Areas by	E. K. AND B.
Checked by	E. K. AND B.
Final Sections Plotted by	W. Sizemore
" Checked by	R. H. Dibble
Final Areas by	Paul A. Burke
" Checked by	
Quantity Transferred and Inked by	

"ARKWRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 16251

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208 02

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CROSS SECTIONS

SCALE 1 INCH = 5 FEET

FORM NO. ENG. 13 ED. 1-55

PUB. ROAD DIV. NO.	STATE	TOWN	FED. AID PROJ. NO.	PROJ. NO.	YEAR	ROUTE NO.	SHEET NO.	TOTAL SHEETS
1	CONN.	NAUGATUCK	US-80(1)	87-78	1958	68	88	88

GOLDEN HILL STREET

NOTE BOOK NO. 87-67-F

Ground Surface Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Template Sections Plotted by E. K. AND B.
" " Checked by E. K. AND B.
Areas by E. K. AND B.
Checked by E. K. AND B.

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

"ARCHRIGHT" TRACING CLOTH JOSEPH MERRITT & CO. 13298

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87 78

208 02

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