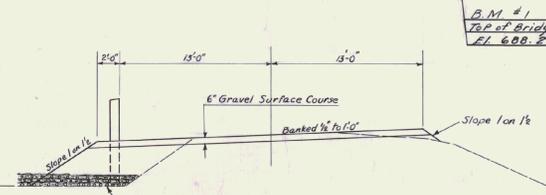
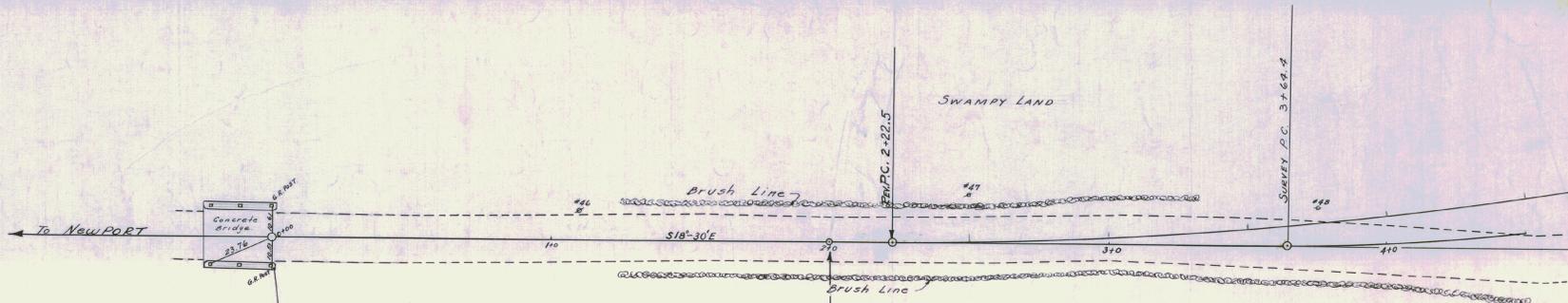


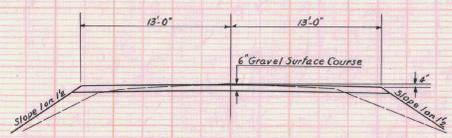
PLAN
 APPROVED: [Signature]
 DATE: [Date]

APPROVED: [Signature]
 DATE: [Date]



Brush Mat Item #116, 1'0" Thick.
 To extend out at least 1'0" beyond
 Toe of fill. Use under new fill
 over all Marshy Areas.

TYPICAL BANKED SECTION



TYPICAL NORMAL SECTION

Type	BRIDGE DATA	
	Present	Proposed
Timber on Piles	2 Spans 17' Beam	
Overall Span along E Road	112'-0"	2 @ 74' = 148'-0"
Roadway width face to face Curb	18'-0"	28'-0"
Clear Span along E Road	108'-0"	2 @ 68' = 136'-0"
Clear Span Normal to Stream	93'-0"	2 @ 47' = 94'-0"
Clear Height to low on Seaf	9' ave.	9' ave.
Max. High water Elev	686'-0"	
Normal High water Elev	685'-0"	
Waterway Normal to Stream	15' Low on Seaf	28'-0"
To Max. H.W. Elev	111'-0"	115'-0"
To Normal H.W. Elev	103'-0"	107'-0"
Stream Velocity		Very Slow
Drift		None
Scour		None

RT Sta.	CABLE GUARD RAIL		BEIDGE
	APPROACHES	ANCHORS	
RT Sta. 4+25 to 5+11	36	1	
LT. = 4+00 to 4+35	35	1	
RT. = 3+11 to 6+59			148
LT. = 4+03 to 6+33			148
RT. = 6+59 to 7+19	60	1	
LT. = 6+33 to 6+00	167	1	
TOTALS	348	4	296

TOTALS { 644 LF. CABLE GUARD RAIL
4 ANCHORS FOR CABLE GUARD RAIL

- LIST OF SHEETS
- x 1-2 PLAN & PROFILE
 - x 3 DETAILS OF ABUTMENT #1
 - x 4 " " " #2
 - x 5 " " " PIER
 - x 6 SUPERSTRUCTURE, DWG. S1B-24, 2 SPANS @ 74'-0" MODIFIED TO 45° SKEN ON 4° CURVE, PER SKETCH ON SHEET #2
 - x 7 DWG. S1B-3C-1 CURB & RAIL DETAILS
 - 8 DWG. S1B-25 - STRANDED DETAILS 'C', 'I', 'J'
 - 9 DWG. S1B-1 - CABLE GUARD RAIL & ANCHORS
 - 10 DWG. S1B-11 - BARRICADE LIGHTS & SIGNS
 - 11-12 CROSS SECTIONS

Item No.	ESTIMATE OF QUANTITIES	Quantity
10-11	Common Excavation Incl. Bottom	1700 CY
15	Channel Excavation	65 CY
16	Structure Excavation	79 CY
10B	Temporary Bridge & Maintenance of Traffic	1 LS
22	Gravel Surface Course	530 CY
41A	Concrete Class 14	19 CY
41B	Concrete Class 20	184 CY
42	Reinforcing Steel (16665#)	30090 LBS
43D	Steel Superstructure Erecting & Painting only	1 LS
57	Removal of Present Superstructure	1 LS
65	Timber Piling	2,025 LF
60A	Rip Rap for Bank Protection (MT)	180 CY
69A	Heavy Stone Riv	310 CY
80A	Cable Guard Rail	644 LF
80B	Anchor for Cable Guard Rail	4 EA
116	Brush Mat	720 SY

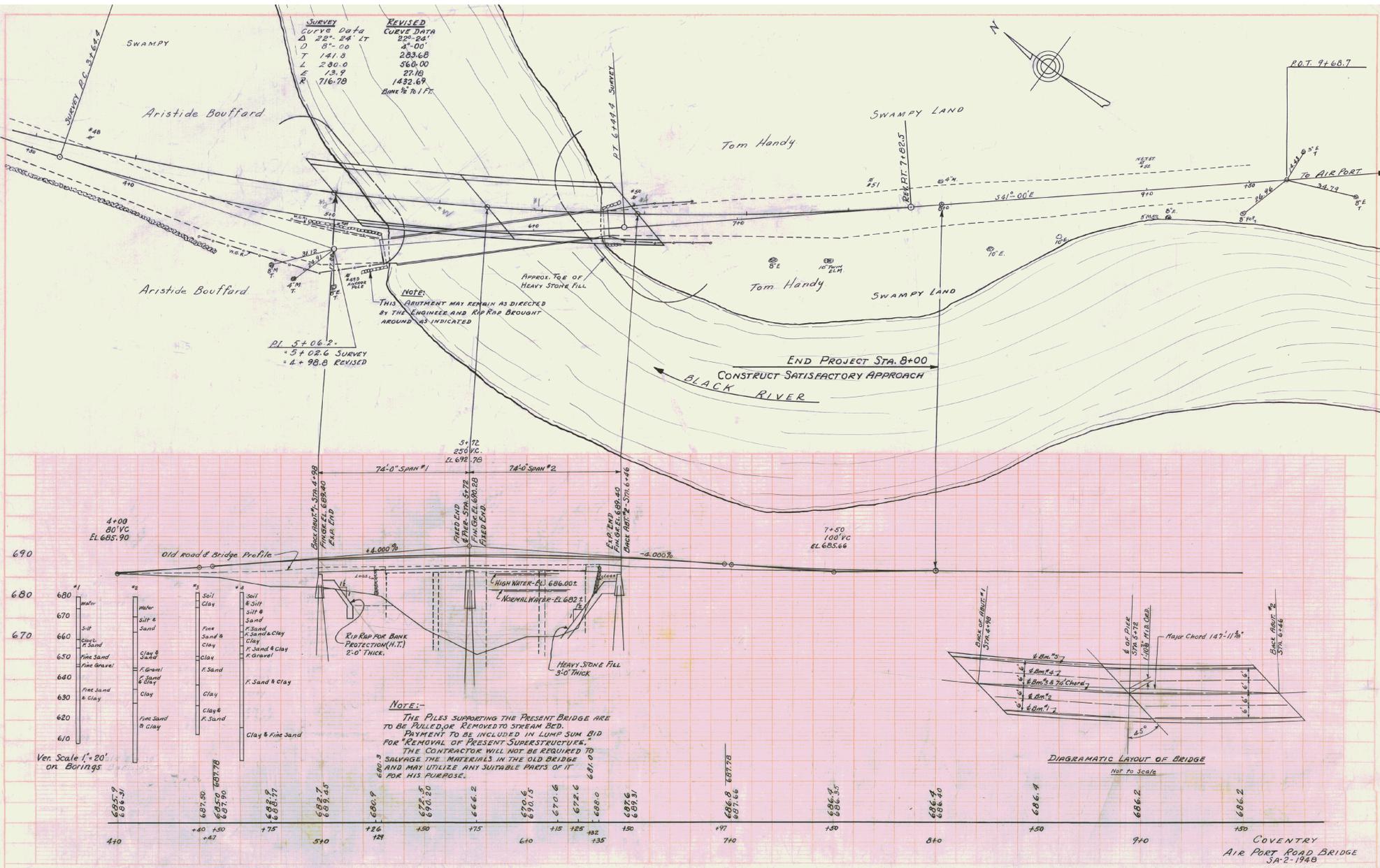
Approved _____ 1948
 District Highway Commissioner
 Correct JULY 9 - 1948
 A.D.T. [Signature]
 Bridge Engineer
 Approved JULY 9 - 1948
 [Signature]
 Commissioner of Highways

B.M. #1 - Top of Bridge curb - 11' RT. Sta. 0+00 Elev. 688.23

440 COVENTRY
 AIR PORT ROAD BRIDGE
 SA-2-1948

PLAN
 DRAWN BY: A. Hunt
 DATE: 1/20/48
 CHECKED BY: [Signature]
 PROJECT: [Signature]

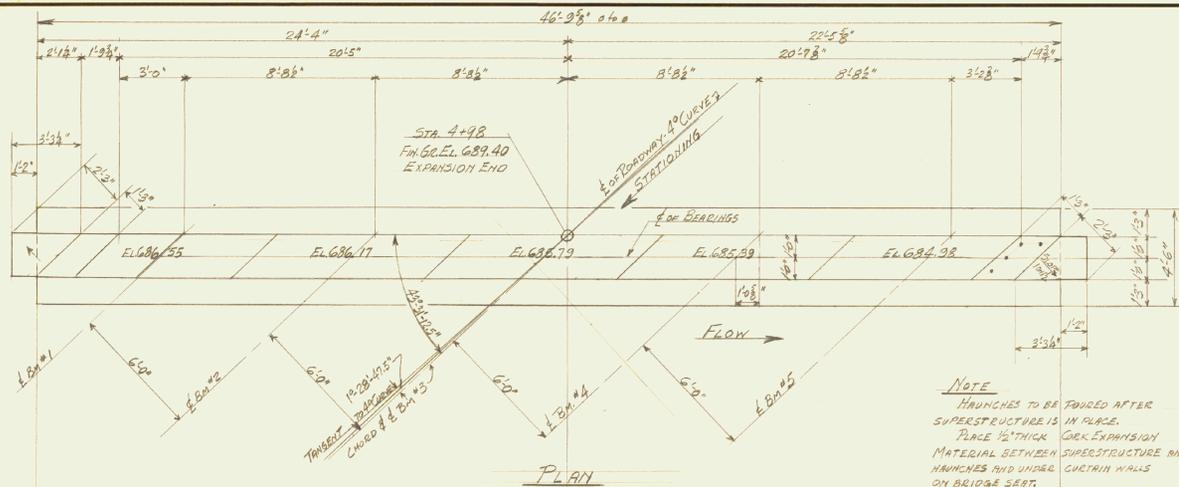
PROFILE
 DRAWN BY: A. Hunt
 DATE: 1/20/48
 CHECKED BY: [Signature]
 PROJECT: [Signature]



Ver. Scale 1" = 20'
 on Borings

DIAGRAMMATIC LAYOUT OF BRIDGE
 NOT TO SCALE

COVENTRY
 AIR PORT ROAD BRIDGE
 SA-2-1948



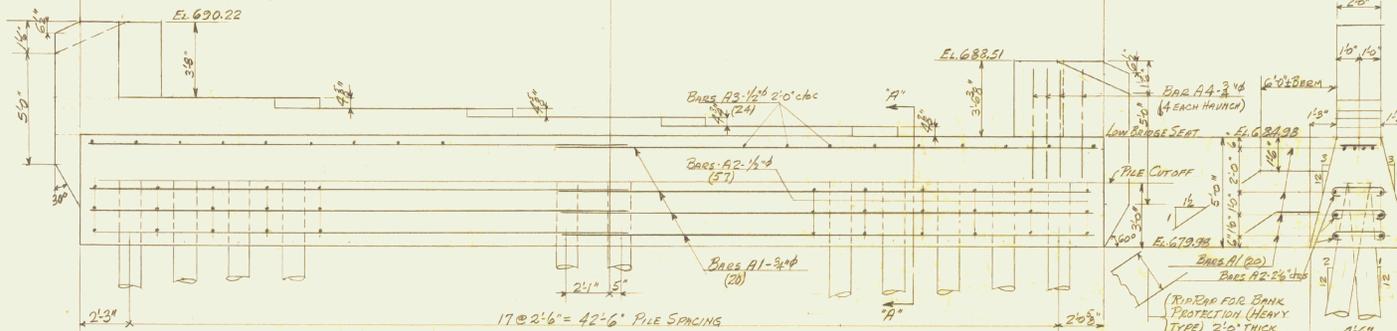
PLAN

NOTE
 HAUNCHES TO BE PAUCED AFTER SUPERSTRUCTURE IS IN PLACE. PLACE 1/2" THICK GORK EXPANSION MATERIAL BETWEEN SUPERSTRUCTURE AND HAUNCHES AND UNDER CURTAIN WALLS ON BRIDGE SEAT.

REINFORCING STEEL				
BAR	NO	SIZE	TOT. LETH	DETAIL
A1	20	3/4"	24'6"	STRAIGHT
A2	57	1/2"	3'8 1/2"	
A3	24	1/2"	1'9"	STRAIGHT
A4	8	3/4"	5'0"	"

NOTES

ALL DIMENSIONS GIVEN TO CENTERLINE OF STEEL. REINFORCING STEEL TO BE OF INTERMEDIATE GRADE. PILES TO BE DRIVEN TO MINIMUM CAPACITY OF 18 TONS EACH, AND WITH INDICATED BATTERS ON ALTERNATE PILES. FOR ESTIMATING PURPOSES, THE LENGTH OF PILES IS ASSUMED AT 45'. FACES OF BRIDGE SEATS AND HAUNCHES TO BE VERTICAL ABOVE THE LOW BRIDGE SEAT. ALL EXPOSED EDGES TO HAVE A 1" CHAMFER.



FRONT ELEVATION

SECTION 'A-A'

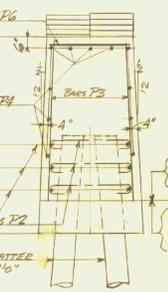
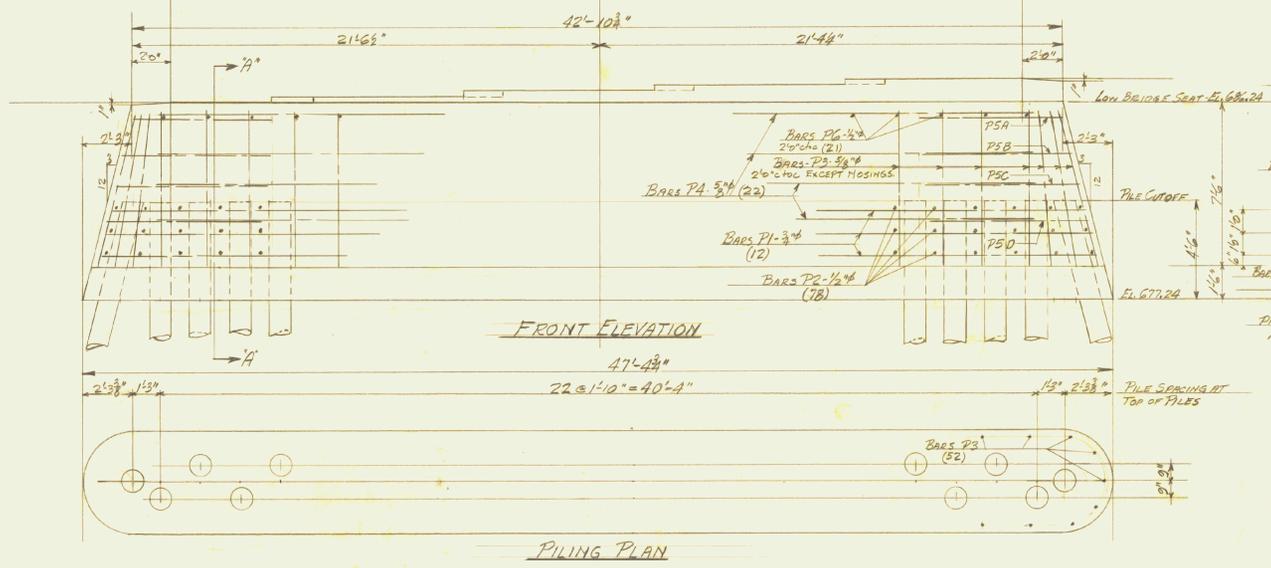
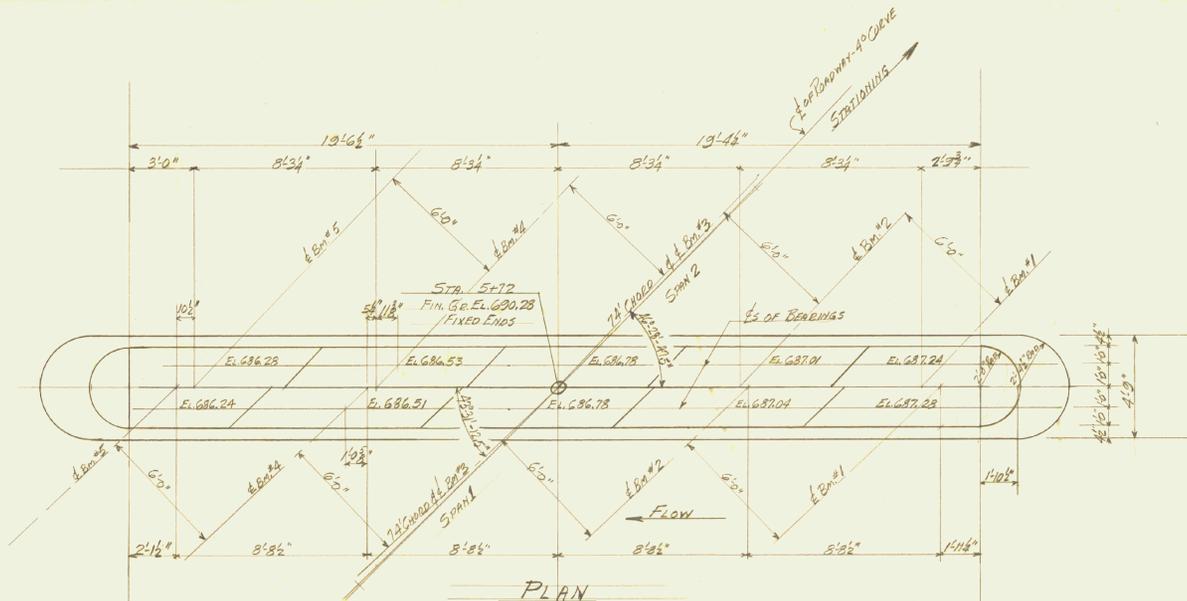
COVENTRY AIRPORT BRIDGE
 DETAILS OF ABUTMENT #1

ESTIMATED QUANTITIES

CHANNEL EXCAVATION	10 CY
STRUCTURE EXCAVATION	24 CY
CONCRETE CLASS 'B'	31 CY
REINFORCING STEEL	970 LBS
TIMBER FOR BANK PROTECTION (HEAVY TYPE)	100 LF
TIMBER PILING	810 LF

Surveyed by
 Designed by N.E.S.
 Drawn by N.E.S. 6/48
 Traced by
 Checked by J.L.H.
 Series SA No. 2-1948 Filed
 Sheet 3 of 12

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



REINFORCING STEEL			
Bar No	SIZE	TOT. LGTH	DETAIL
P1	12	24'-10"	STRAIGHT
P2	78	1/2"	4'-11 1/2"
P3	52	5/8"	75"
P4	22	3/8"	21'-6"
P5A	2	5/8"	15'-3 1/2"
P5B	2	"	15'-6"
P5C	2	"	15'-8"
P5D	2	"	15'-10"
P6	21	1/2"	3'-6" STRAIGHT

NOTES:-
 FOR ESTIMATING PURPOSES THE LENGTH OF PILES IS ASSUMED TO BE 50'.
 FOR OTHER NOTES SEE "DETAILS OF PIER #1"

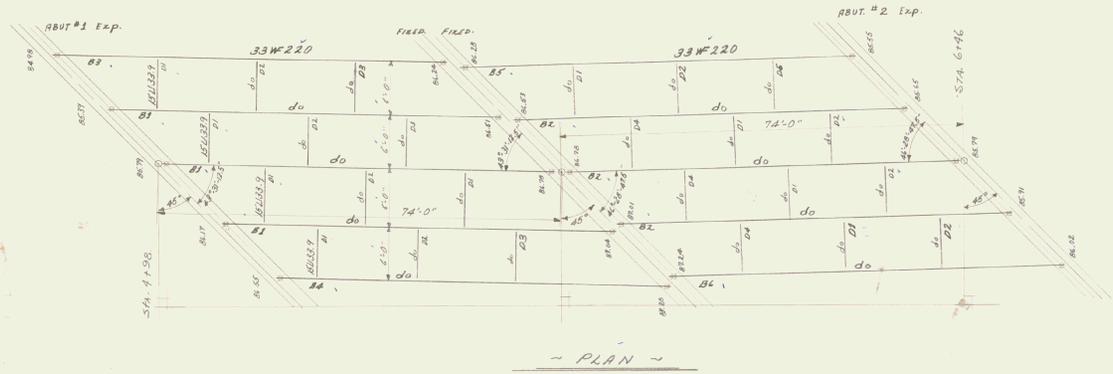
COVENTRY
 AIRPORT BRIDGE
 DETAILS OF PIER

ESTIMATED QUANTITIES

CONCRETE CLASS 'B'	74 CY
REINFORCING STEEL	1770 LBS
TIMBER PILING	1250 LF

Surveyed by HES
 Designed by HES
 Drawn by HES
 Traced by JLN
 Checked by JLN
 Series SA No. 2-1948
 Sheet 5 of 12 Sheets

6/48



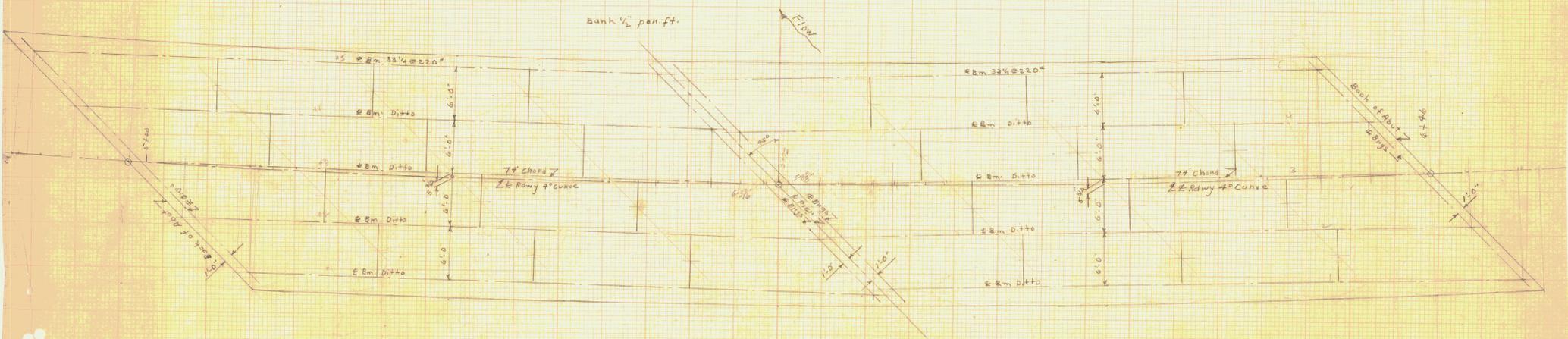
~ PLAN ~

6+46
4+98
1/48

COVENTRY
County St. Hwy, B1 over Black River

SA-2-1940 & 50315(1)

VERMONT STRUCTURAL STEEL CORPORATION BURLINGTON, VT.	
REVISIONS	BLDG. AIRPORT ROAD BRIDGE
	CONTR. COVENTRY VERMONT
	CONTR. TOWN OF COVENTRY
	HOLES..... MADE BY.....
	RIVETS..... CHECKED BY.....
	PAIN'T..... DATE.....
	JOB No. 727 SHEET No. 1



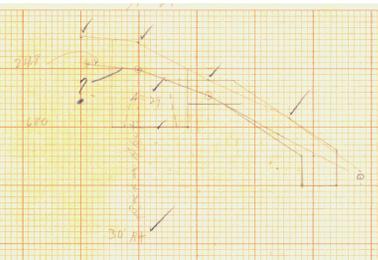
STEEL SUPERSTRUCTURE 109
 REF DRWG. S1B-24 77' SPAN

COVENTRY
 AIR PORT ROAD BRIDGE
 SCALE 1" = 5'

Abt. 1 Station 1

Station	Depth	Notes
25-38.8	2	✓
26-15	10	✓
27-12	10	✓
28-23.7	10	✓

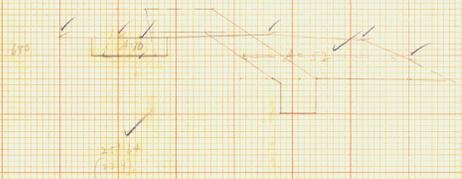
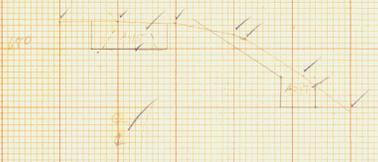
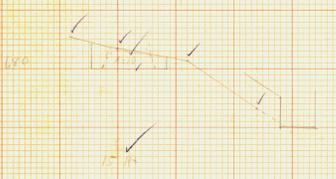
20 ft



Abt. 1 Station 2

Station	Depth	Notes
31-10	2	✓
32-10	2	✓
33-30	2	✓
34-35	10	✓

20 ft



2

13

Channel Ex., Section Ex., and Section Bed