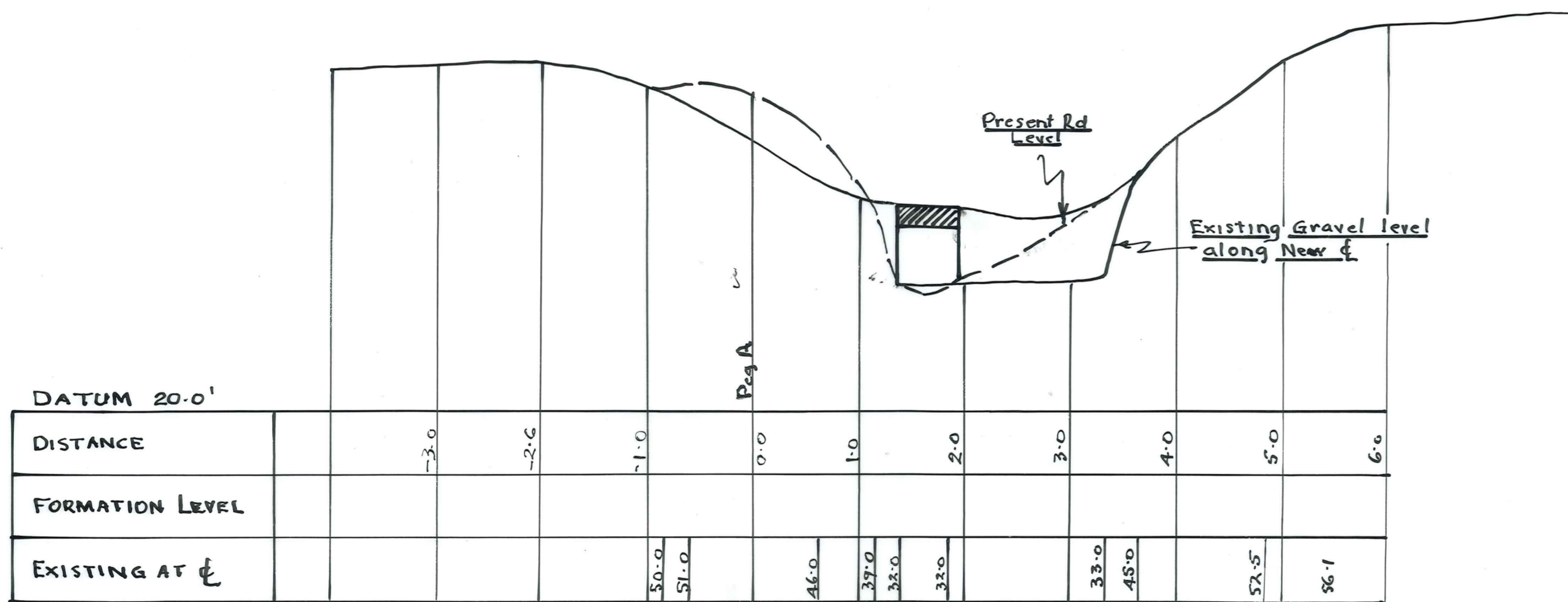
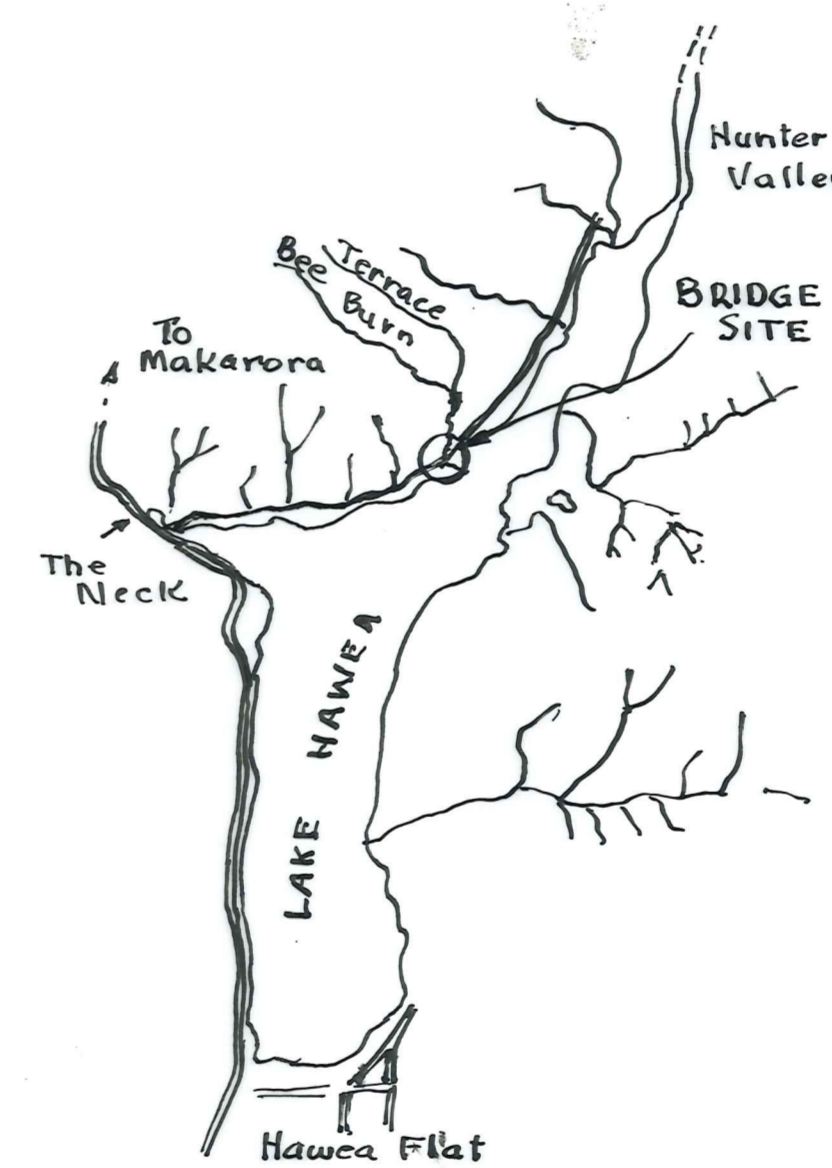


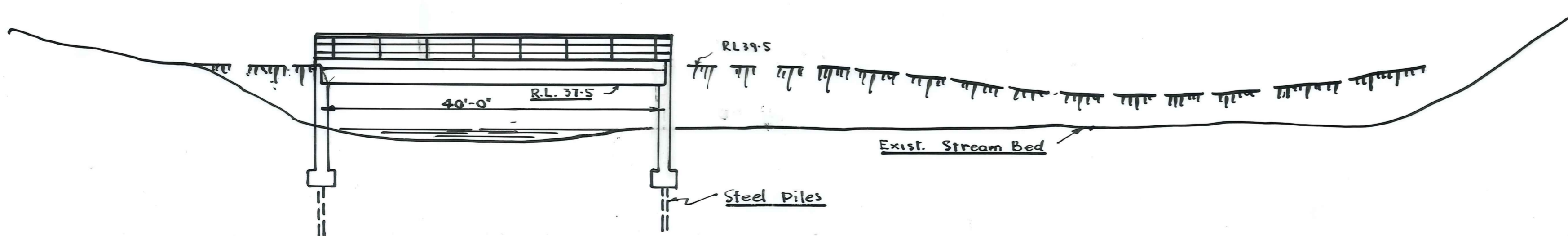
**- STREAM X-SECTIONS -** 30' = 1"



**- LONG SECTION -** Scales 10' = 1" 1ch = 1"



**LOCALITY PLAN** Scale 4mi to 1inch



**SECTION ALONG BRIDGE  $\phi$**  Scale 10' = 1"

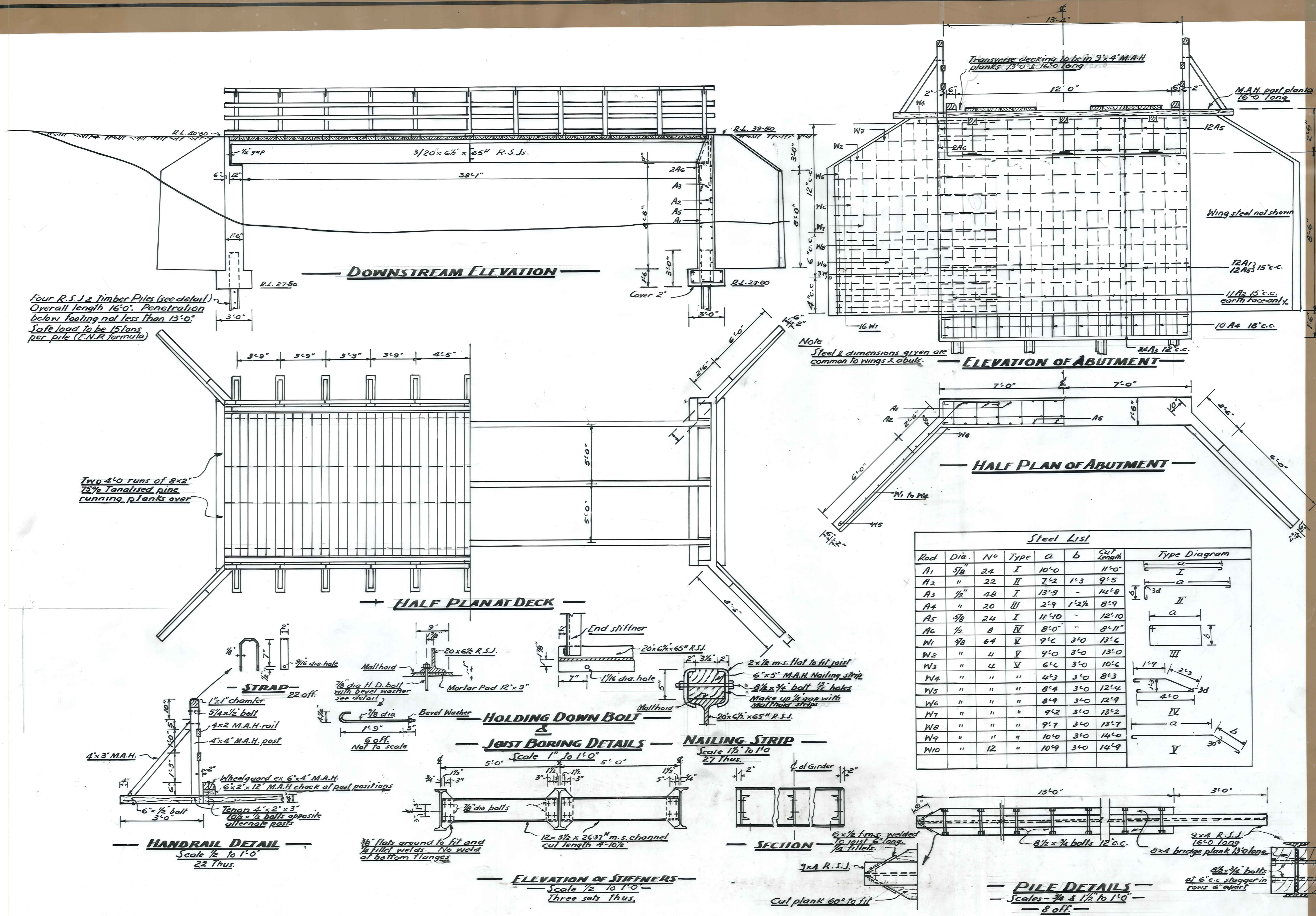
VINCENT COUNTY COUNCIL

BEE BURN BRIDGE  
 HUNTER VALLEY ROAD

DUFFILL, WATTS & KING  
 CONSULTING CIVIL & STRUCTURAL ENGINEERS  
 DUNEDIN and INVERCARGILL

NAME	DATE	JOB NO.
SURVEYED BY R J F	Sept 1963	4375/1
DRAWN BY R J Fulton	"	
CALCULATING W. Coultie	"	





Four R.S.J. & Timber Piles (see detail)  
Overall length 16'0". Penetration  
below footing not less than 13'0".  
Safe load to be 15 tons  
per pile (F.N.R. formula)

Two 4'0 runs of 8x2  
15% Tanalised pine  
running planks over

Note  
Steel & dimensions given are  
common to wings & abut.

**Steel List**

Rod	Diã.	N <sup>o</sup>	Type	a	b	Cut Length	Type Diagram
A1	5/8"	24	I	10'0"		11'0"	I
A2	"	22	II	7'2"	1'3"	9'5"	a
A3	1/2"	48	I	13'9"		14'8"	3d
A4	"	20	III	2'9"	1'2 1/2"	8'9"	II
A5	5/8"	24	I	11'10"		12'10"	a
A6	1/2"	8	IV	8'0"		8'11"	
W1	5/8"	64	V	9'6"	3'0"	13'6"	
W2	"	4	V	9'0"	3'0"	13'0"	
W3	"	4	V	6'6"	3'0"	10'6"	1'9"
W4	"	"	"	4'3"	3'0"	8'3"	2'3"
W5	"	"	"	8'4"	3'0"	12'4"	3d
W6	"	"	"	8'9"	3'0"	12'9"	4'0"
W7	"	"	"	9'2"	3'0"	13'2"	IV
W8	"	"	"	9'7"	3'0"	13'7"	a
W9	"	"	"	10'0"	3'0"	14'0"	
W10	"	12	"	10'9"	3'0"	14'9"	Y

LOADING H.15. S.12.44.

VINCENT COUNTY COUNCIL

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CONSULTING CIVIL & STRUCTURAL ENGINEERS  
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DESIGNED BY R.J. Fulton  
CHECKED BY [Signature]  
DATE: Sep 1963  
APPROVED BY [Signature]  
DATE: Oct 1963

JOB NO. 4375/2

4/29