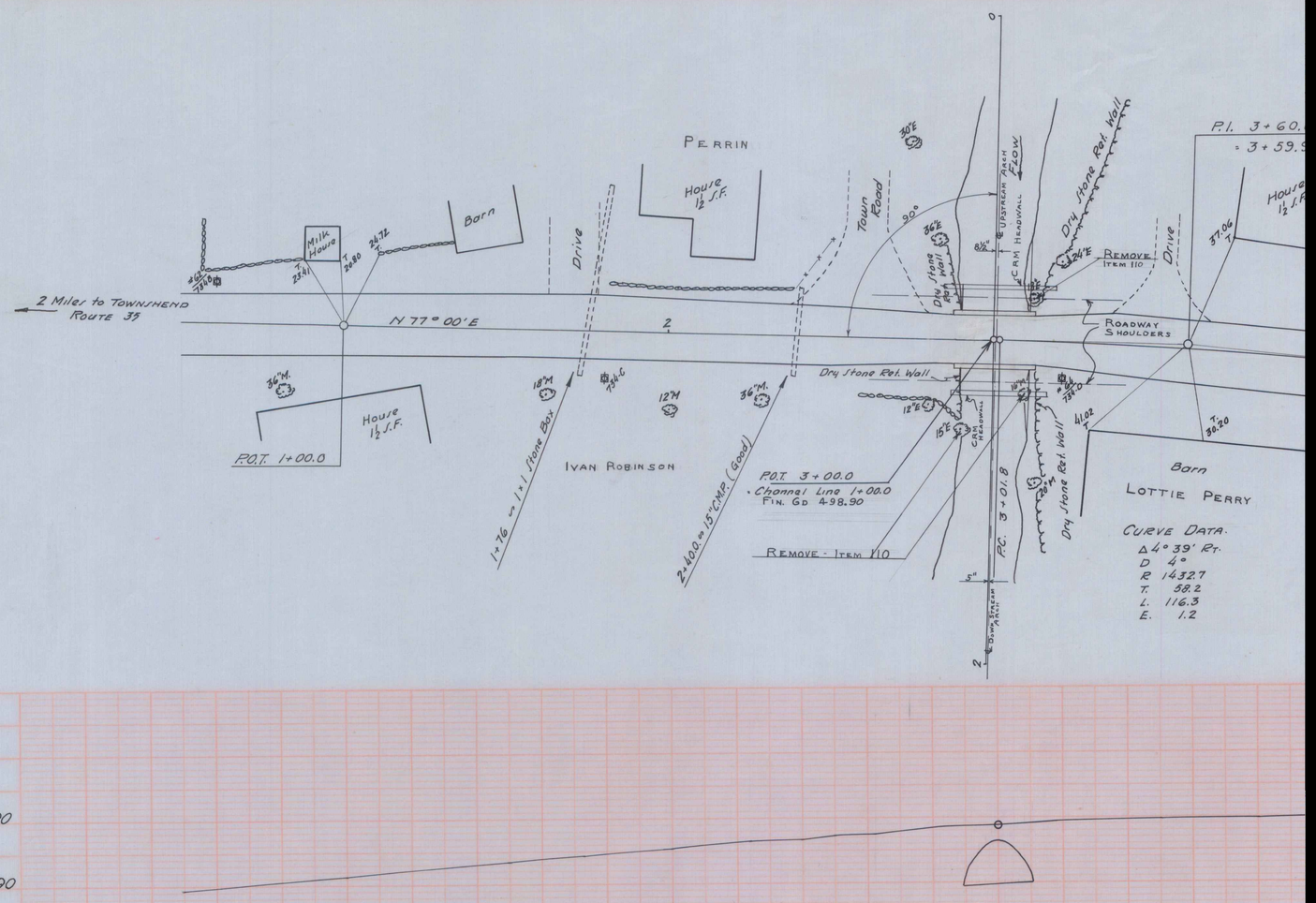
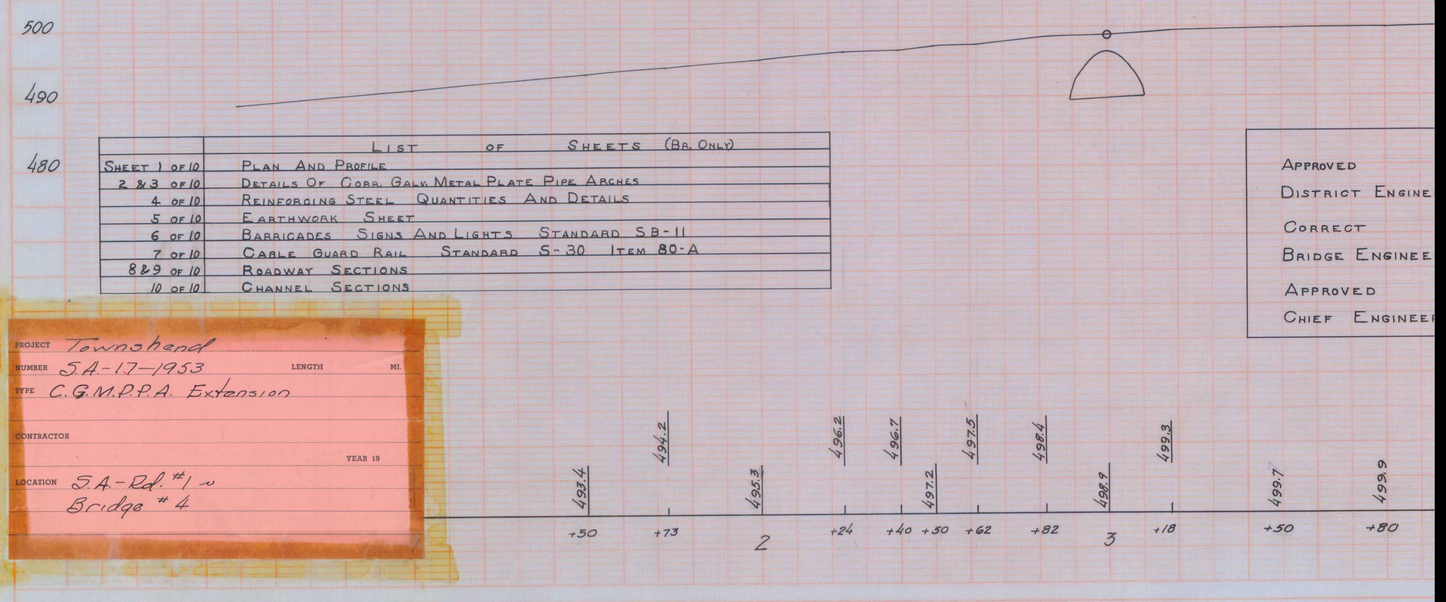


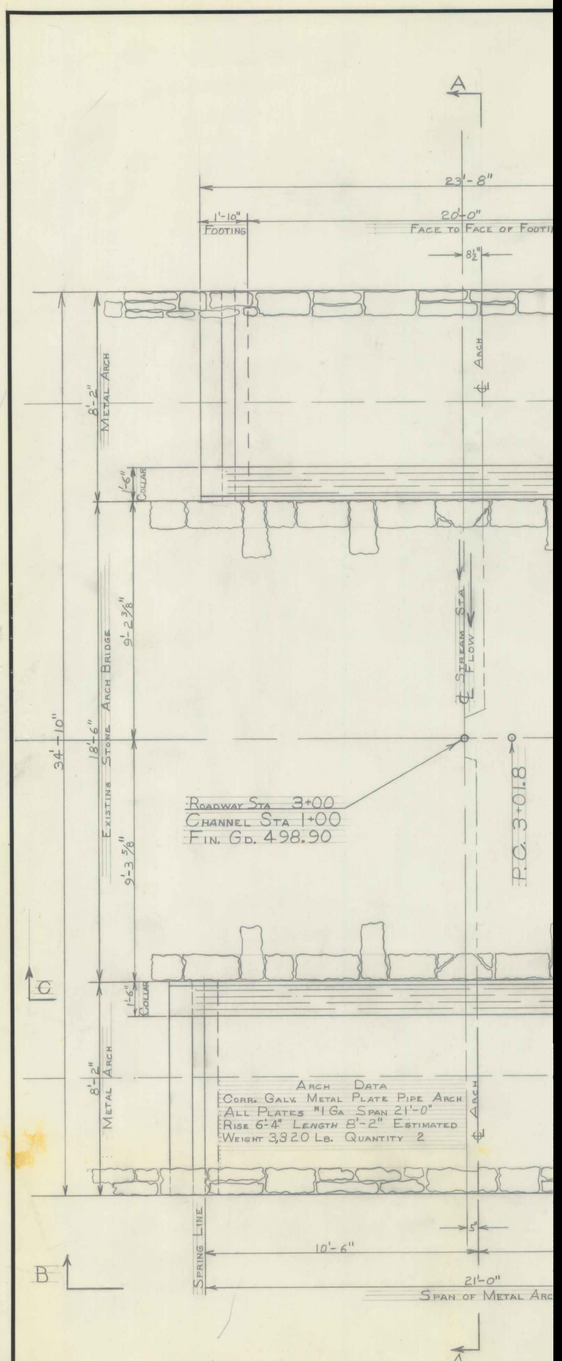


	LIST OF SHEETS (BR. ONLY)
SHEET 1 OF 10	PLAN AND PROFILE
2 & 3 OF 10	DETAILS OF CORR. GALV. METAL PLATE PIPE ARCHES
4 OF 10	REINFORCING STEEL QUANTITIES AND DETAILS
5 OF 10	EARTHWORK SHEET
6 OF 10	BARRICADES SIGNS AND LIGHTS STANDARD SB-11
7 OF 10	CABLE GUARD RAIL STANDARD S-30 ITEM 80-A
8 & 9 OF 10	ROADWAY SECTIONS
10 OF 10	CHANNEL SECTIONS

APPROVED
DISTRICT ENGINE
CORRECT
BRIDGE ENGINEE
APPROVED
CHIEF ENGINEE

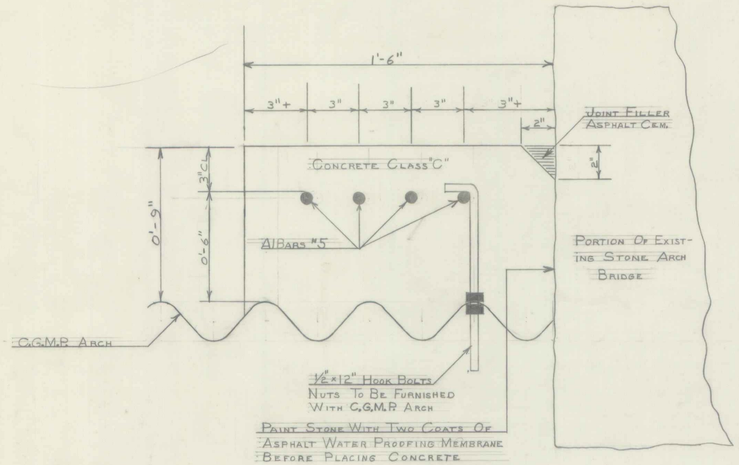
PROJECT Townshend
NUMBER S.A.-17-1953 LENGTH MI.
TYPE C.G.M.P.P.A. Extension
CONTRACTOR
YEAR 19
LOCATION S.A.-Rd. #1 ~ Bridge #4

Pagar Bjorn 9/30/53 7/18/54

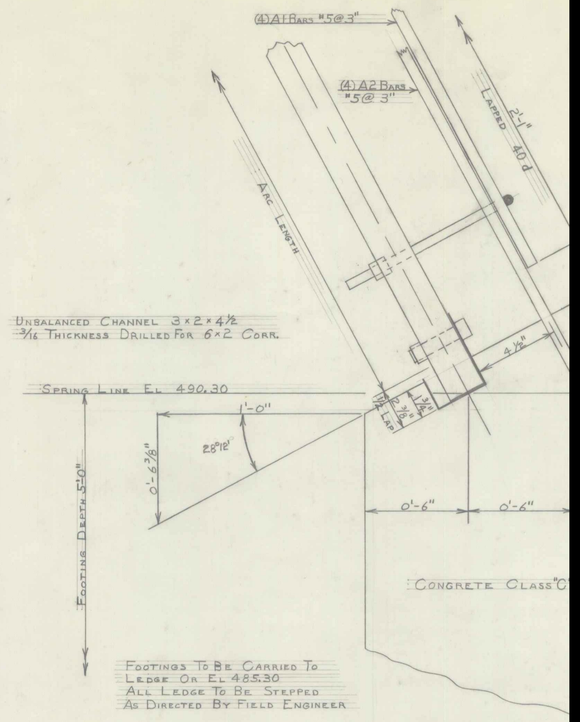


PLAN
3/8" = 1'-0"

K+E PHOENIX N166 TRACING CLOTH B. L. M. INC. 4318



Section D-D
Reinforced Concrete Ring
3" = 1'-0"



Sect
Detail
3

Estimate of

Item	Descripti
429C	#1 Ga. Corr. Galv. Metal F
401C	Concrete Class "C"
107	Structure Excavation (Mo
110	Cutting & Removing Tree
411	Cement Rubble Masonry
574	Preparing Superstructure
222	Gravel Backfill
402	Reinforcing Steel
542	Two Cable Guard Rail
201-A	Sub Base Of Gravel
106-C	Unclassified Channel Exc

K+E PHOENIX N166 TRACING CLOTH B. L. M. INC. 4218

Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
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Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
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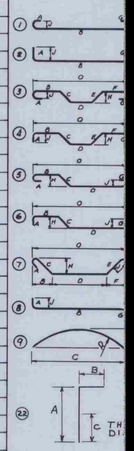

Item	No. Pieces	Size	L
163			
164			
165	8	5	2
166	*17	5	
167	*99	4	
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171			
172			
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* DENOTES

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EARTHWORK

GRADES							TOTAL EXCAVATION EARTH AND ROCK				EMBANKMENT		BASE	
V.C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON V. CURVES	CORR. V. C.	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS	AREA	CU. YDS.

CARRIED FORWARD

COLUMN FOOTINGS

EARTHWORK

GRADES							TOTAL EXCAVATION EARTH AND ROCK				EMBANKMENT		BASE	
V.C.	% GRADE	STATION	ELEVATION ON TANGENT	ELEVATION ON V. CURVES	CORR. V. C.	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.
		UNCLASSIFIED CHANNEL EXCAVATION & STRUCTURE EXCAVATION												
							UNC. CHAN. EX		STRUCT. EX.					
		STATION				DIST.	AREA	C. Y.	AREA	C. Y.				
		0+70					0							
		0+80				10	7	1						
		0+81.5				1.5	7	1	143					
		0+90.8				9.3			143	49				
		1+09.3							135					
		1+18.5				9.2	3		135	46				
		1+20				1.5	3	0						
		1+28				8	0	1						
								3		95				
		TOTALS												
		ITEM 106C UNC. CHANNEL EXCAV 3 C.Y.												
		ITEM 107 STRUCTURE EXCAV (MOD) 95 C.Y.												

CARRIED FORWARD

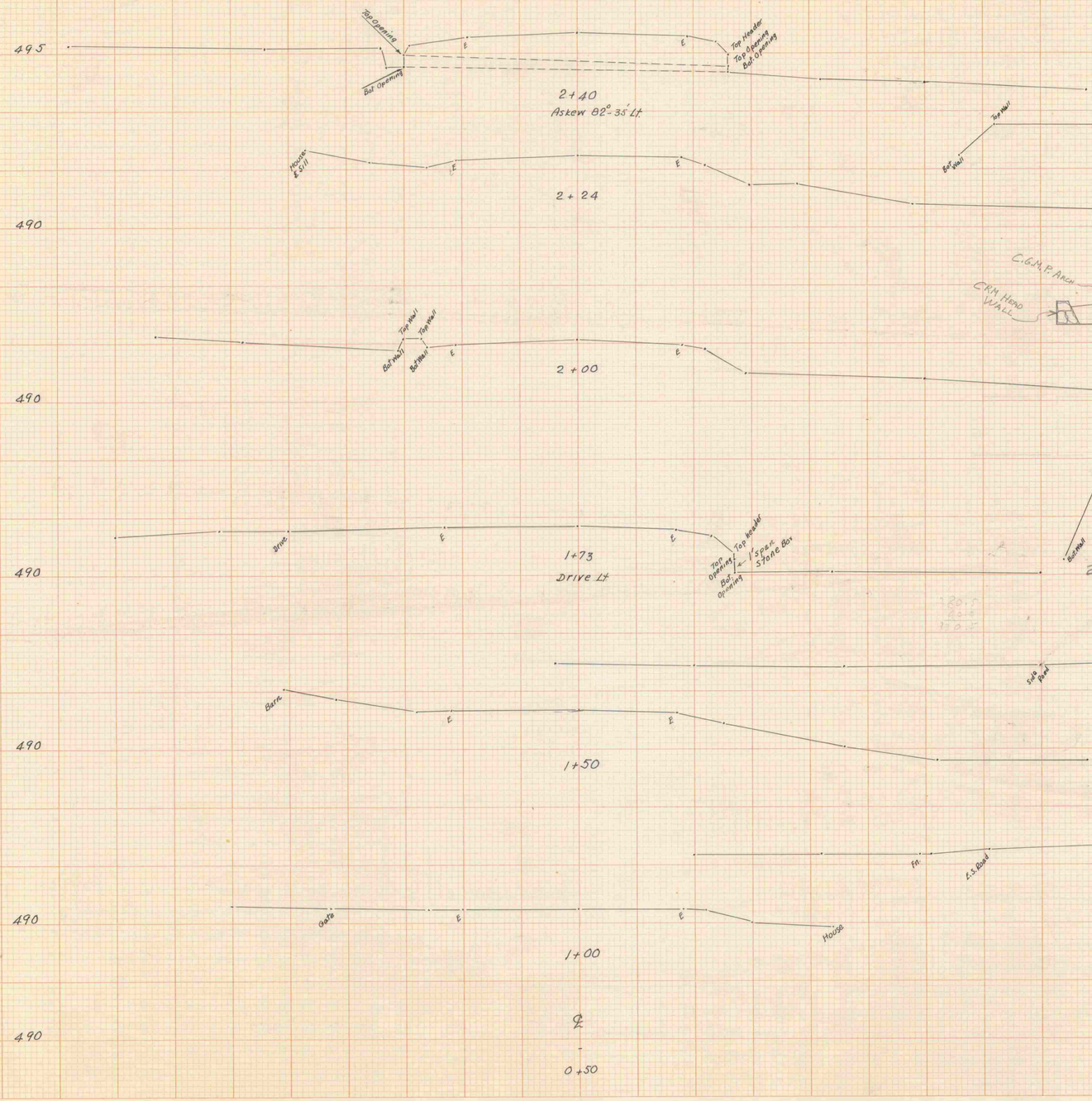
COLUMN FOOTINGS

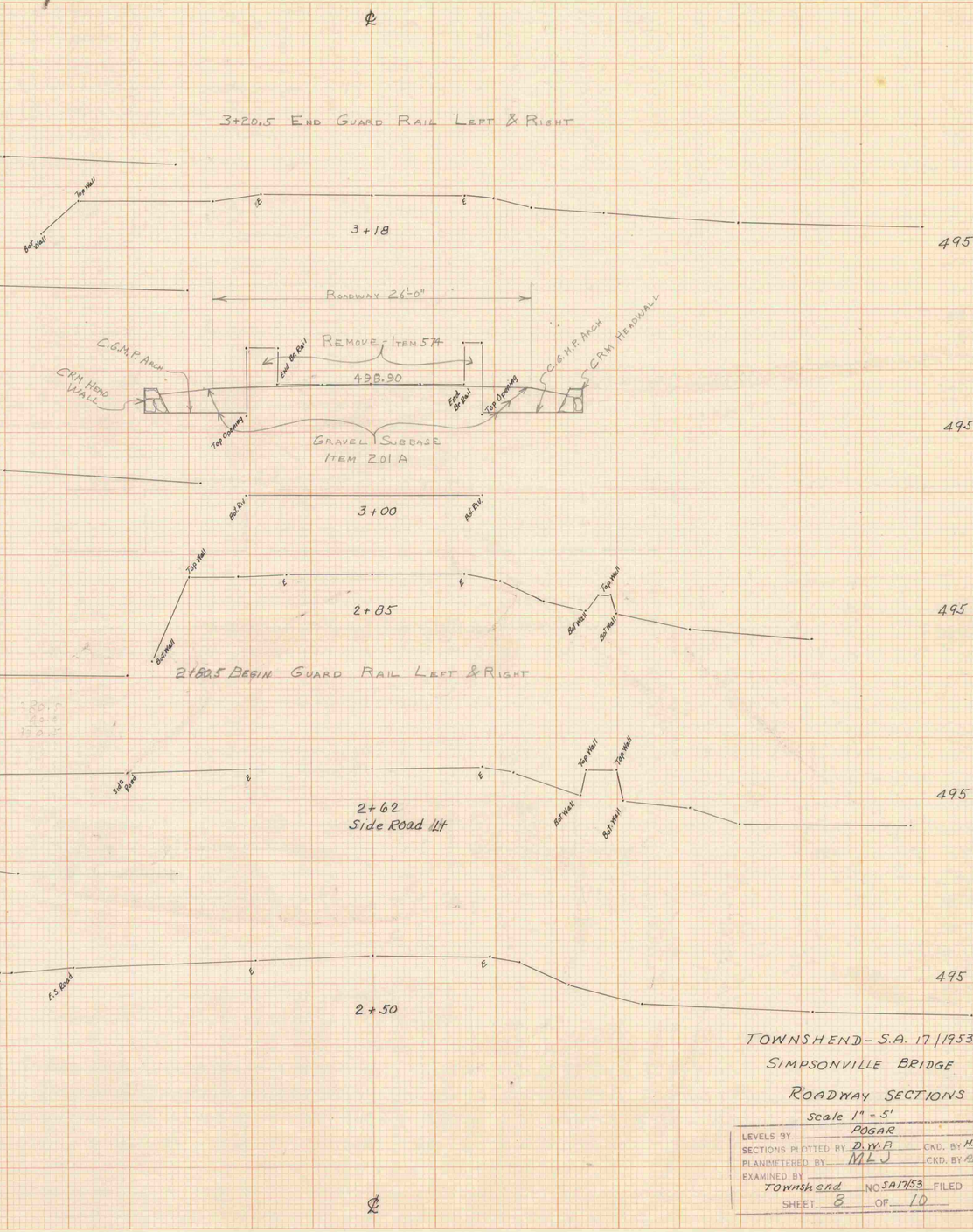
EARTHWORK SUMMARY

STATION	TO STATION	SUMMARY OF BALANC			
		TOTAL EXCAV. EARTH & ROCK CUBIC YARDS	ROCK EXCAV. CUBIC YARDS	EMBANKMENT CUBIC YARDS	EXC CUT

SHEET NO.	COL. NO.	SUMMARY BY COLUMNS			
		EXCAVATION		EMBANKMENT	BAS
		TOTAL CU. YDS	ROCK CU. YDS.	CUBIC YARDS	CUBIC YA

PROJECT





TOWNSHEND - S.A. 17/1953

SIMPSONVILLE BRIDGE

ROADWAY SECTIONS

Scale 1" = 5'

LEVELS BY	POGAR
SECTIONS PLOTTED BY	D.W.P. CKD. BY H.R.C.
PLANIMETERED BY	M.L.J. CKD. BY A.P.W.
EXAMINED BY	

Townshend NO SA 17/53 FILED

SHEET 8 OF 10

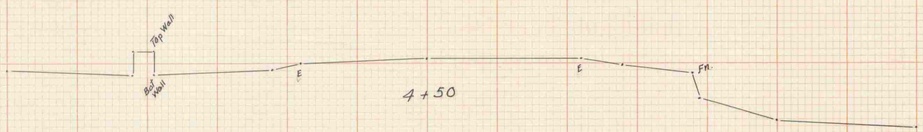
TRADE STANDARD MARK REG. U.S. PAT. OFF. CROSS SECTION 10 X 10 100% RAG PAPER KEUFFEL & ESSER CO. NEW YORK

℄



5+00

500 500



4+50

495 495



4+00

495 495



3+80

495 495



3+50

495 495

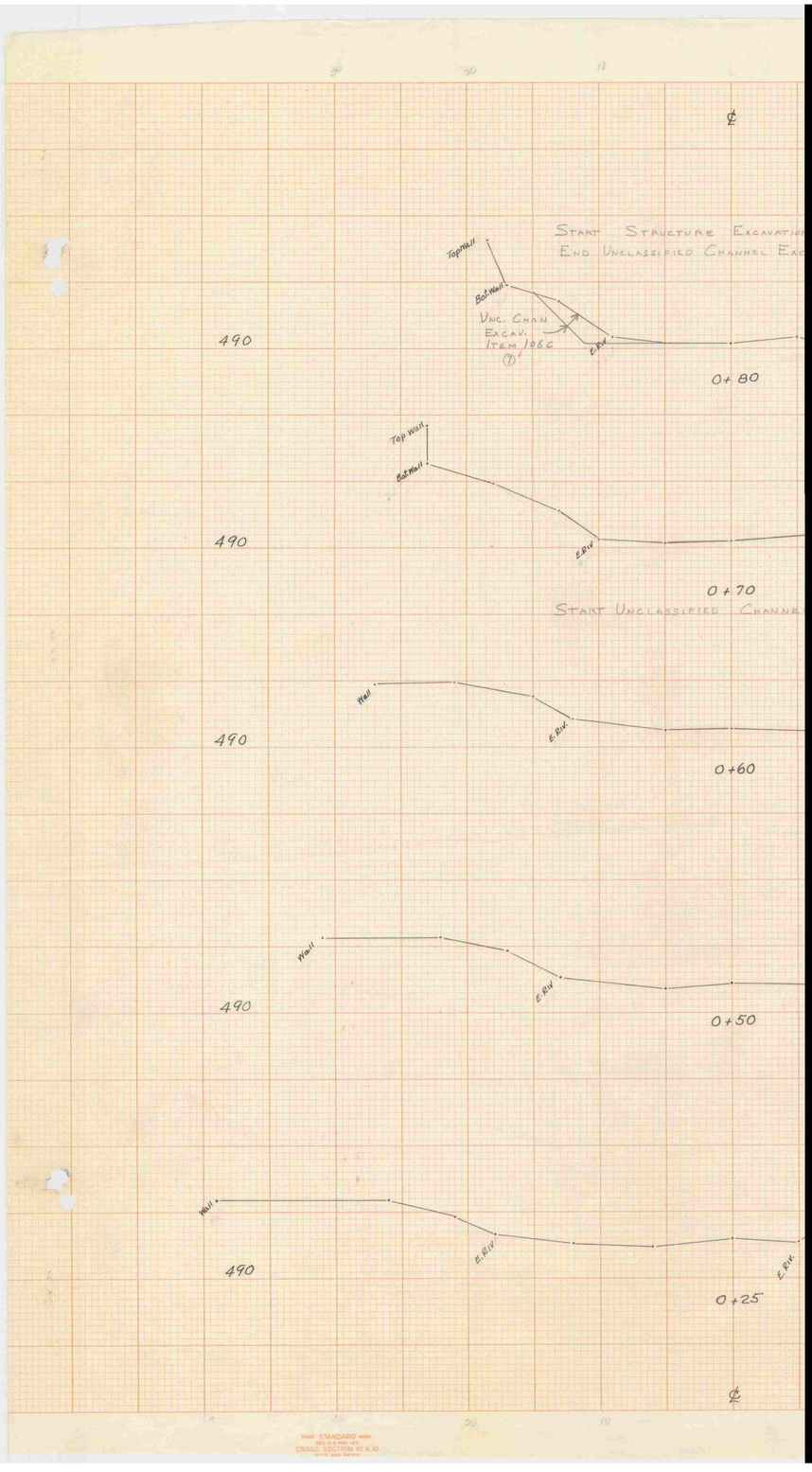
℄

TOWNSHEND – S.A. 17/1953
SIMPSONVILLE BRIDGE

ROADWAY SECTIONS
Scale 1" = 5'

LEVELS BY POGAR
SECTIONS PLOTTED BY D.W.P. CKD. BY H.R.C.
PLANIMETERED BY M.L.J. CKD. BY R.B.M.
EXAMINED BY
TOWNSHEND NO S.A.17/53 FILED
SHEET 9 OF 10

KEUFFEL & ESSER CO. NEW YORK
KEUFFEL & ESSER CO. NEW YORK



℄
START STRUCTURE EXCAVATION
END UNCLASSIFIED CHANNEL EXC
Top Wall
Bot. Wall
UNC. CHAN
EXCAV.
ITEM 106C
7
E. RIV.
490
0+80
Top Wall
Bot. Wall
E. RIV.
490
0+70
START UNCLASSIFIED CHANNE
Wall
E. RIV.
490
0+60
Wall
E. RIV.
490
0+50
Wall
E. RIV.
E. RIV.
490
0+25
℄

VERMONT AGENCY OF
TRANSPORTATION
PHASE III-INTERSTATE

HANGER 4286

Bridge
1953

Townshand
SA-17-1953

1953