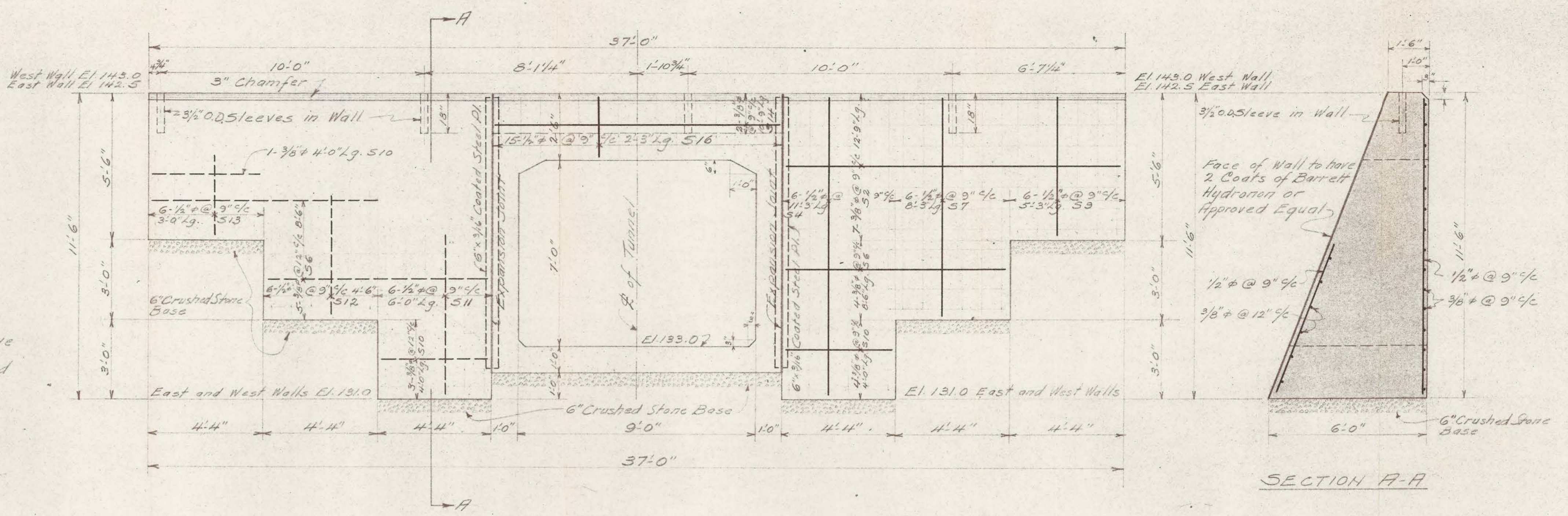
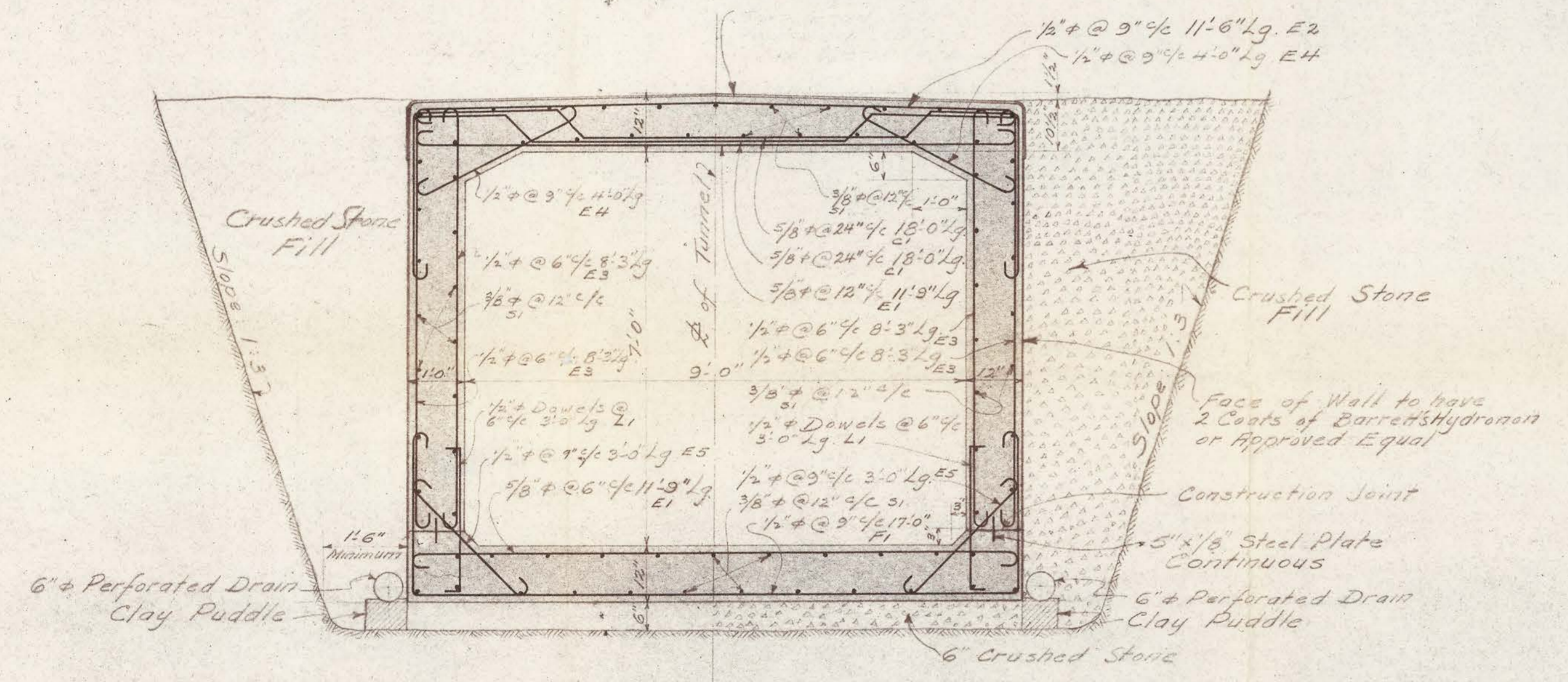


DETAILS OF EXPANSION JOINTS OF TUNNEL
Scale: 1/2" = 1'-0"



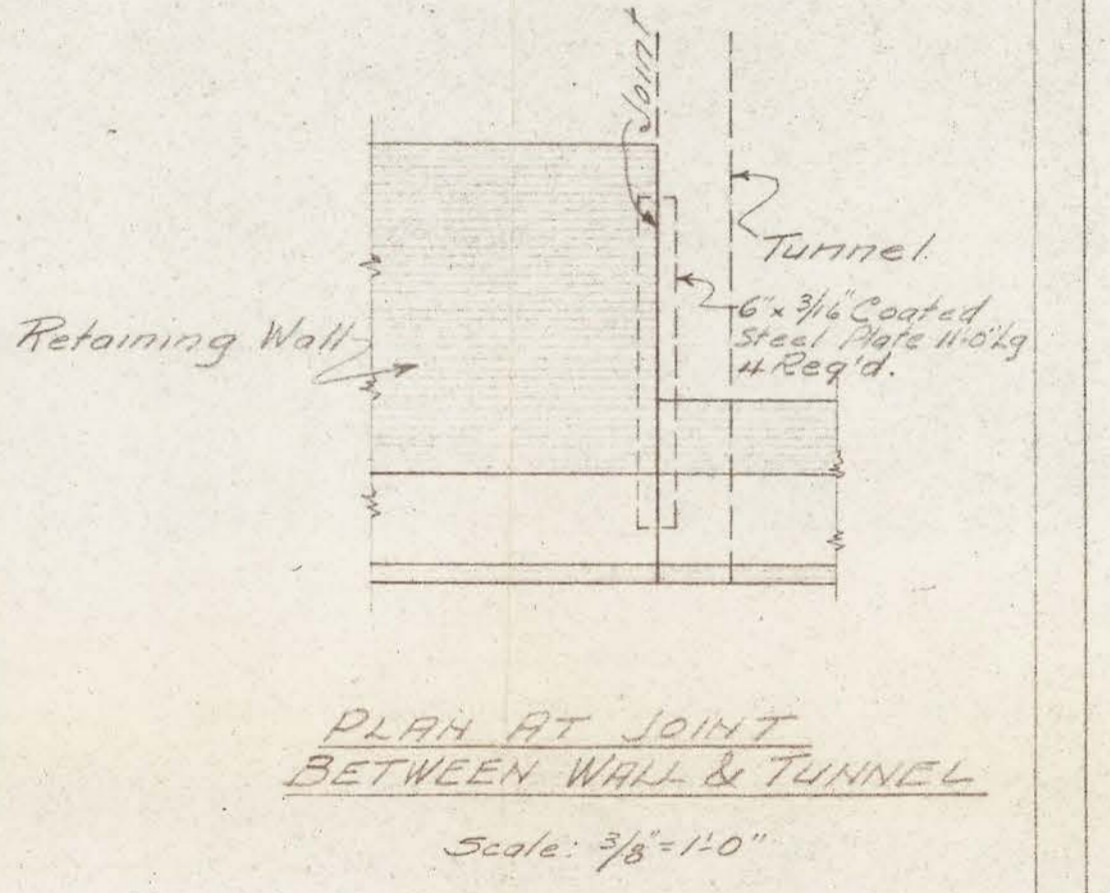
FRONT ELEVATION OF EAST RETAINING WALL
West Retaining Wall Symmetrical Except Top Elevation
Scale: 3/8" = 1'-0"



TYPICAL CROSS SECTION OF TUNNEL
SHOWING REINFORCING STEEL
Scale: 1/2" = 1'-0"

LIST OF STEEL REINFORCEMENT FOR PEDESTRIAN TUNNEL UNDER VIAU ST.

Reinforcing For Tunnel										Reinforcing For Retaining Walls															
Type	No. Bars	Dia.	Length	a	b	c	d	e	f	g	h	Location or Remarks	Type	No. Bars	Dia.	Length	a	b	c	d	e	f	g	Location or Remarks	
C1	108	5/8"	18'-0"	2'-6"	9"	6'-6"	1'-5"	2'-9"	6"	4"	1'-11"	Top Slab	S2	30	3/8"	12'-9"									Hor. East and West Walls
E1	315	5/8"	11'-9"	10'-5"	6"	4"						Top and Bottom Slabs	S3	12	1/2"	11'-9"									Vert. in West Wall
E2	140	1/2"	11'-6"	10'-8"	5"	3 1/2"						Top Slab	S4	12	1/2"	11'-3"									" " East "
E3	840	1/2"	8'-3"	7'-3"	5"	3 1/2"						Vert. in Walls	S5	12	1/2"	8'-9"									" " West "
E4	280	1/2"	4'-0"	3'-3"	5"	3 1/2"						Corners Top Slab	S6	36	3/8"	8'-6"									Hor. East and West Walls
E5	280	1/2"	3'-0"	3'-2"	5"	3 1/2"						" Bott. "	S7	12	1/2"	8'-3"									Vert. " Wall
F1	140	1/2"	17'-0"	10'-8"	5"	3 1/2"						Bottom Slab	S8	12	1/2"	5'-9"									" " West "
L1	420	1/2"	3'-0"	2'-6"	3"							Dowels in Walls	S9	12	1/2"	5'-3"									" " East "
S1	216	3/8"	34'-9"									Temperature Steel	S10	32	3/8"	4'-0"									Hor. " and West Walls
													S11	24	1/2"	6'-0"									Vert. in East and West Walls
													S12	24	1/2"	4'-6"									" " " "
													S13	24	1/2"	3'-0"									" " " "
													S14	4	3/8"	10'-9"									Hor. Over Tunnel East & West W.
													S15	15	1/2"	2'-9"									Vert. " " West Wall
													S16	15	1/2"	2'-3"									" " " East "



Approved by: R.P. Allier
Director of Public Works
City of Montreal
Date: June 20th 1955

VILLE DE MONTREAL
DIVISION TECHNIQUE
SERVICE DES TRAVAUX PUBLICS
SECTION VIGIER

MUNICIPAL GOLF
PEDESTRIAN TUNNEL UNDER VIAU ST.
DETAILS OF REINFORCED CONCRETE

W. Dupre
INGENIEUR EN CHARGE

30-6-55
DATE

J. Bouchard
INGENIEUR SECTION TECHNIQUE

DRAWN BY: J.C.
CHECKED BY: J.C.
TRACE BY: J.C.
VERIF. & M.C.

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

PLAN NO: E-124-5