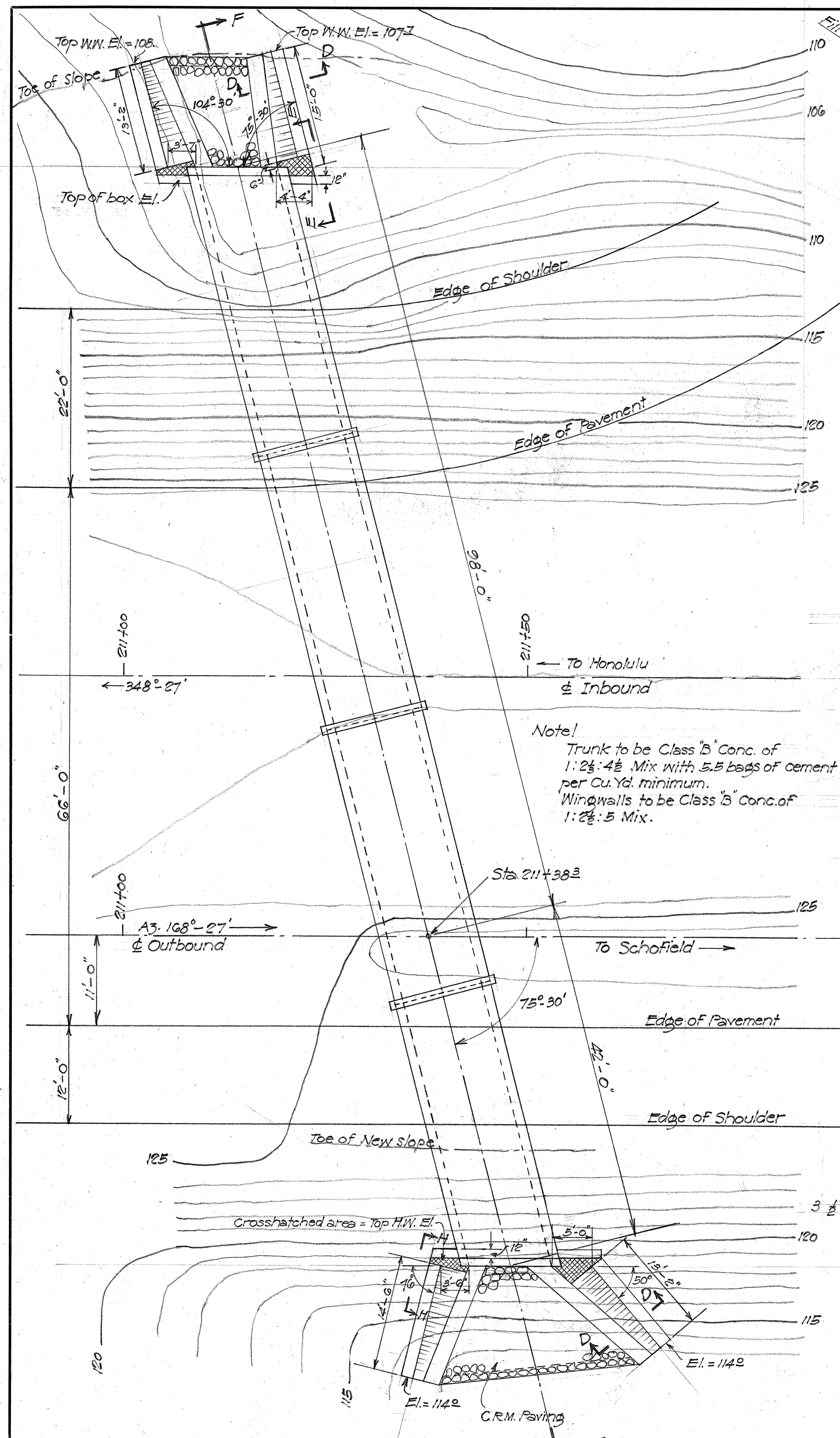
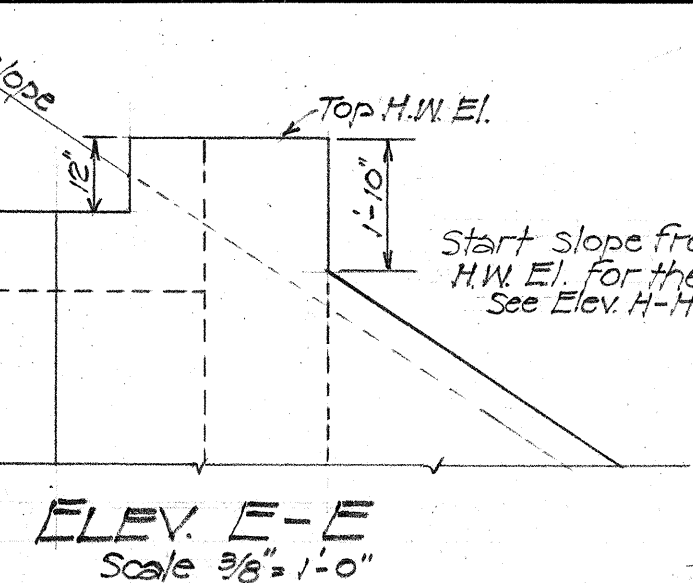




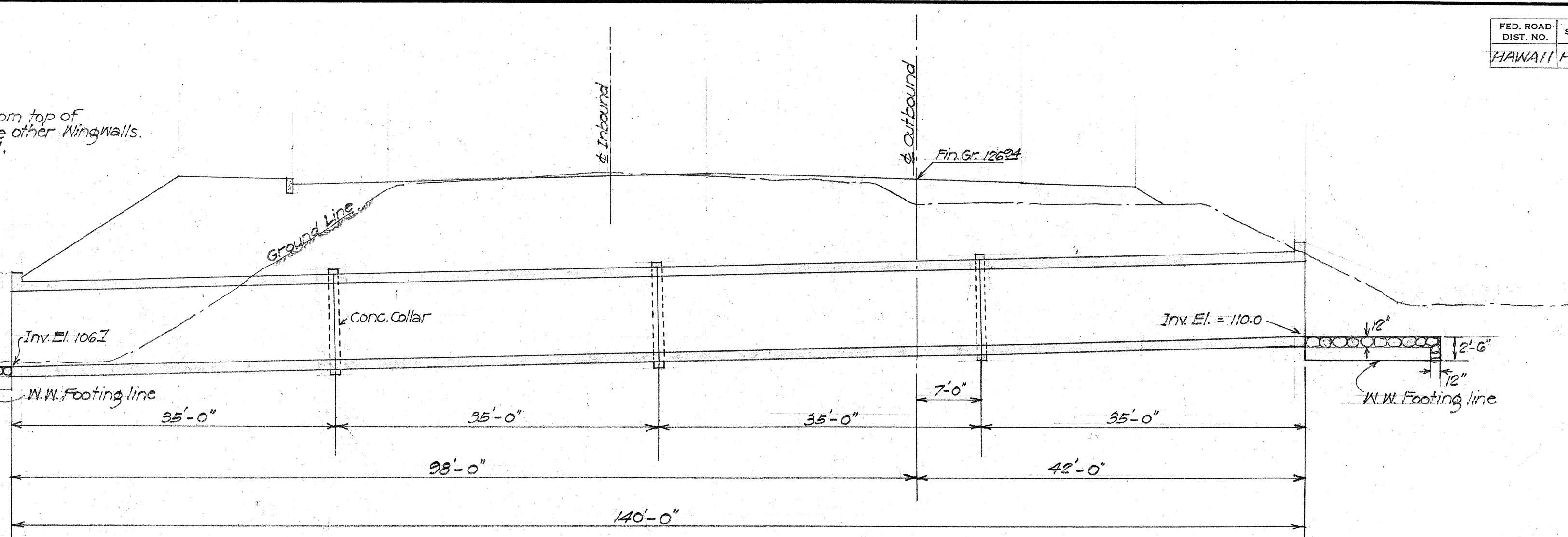
LAYOUT PLAN
1" = 10'

Note! Terr. El. 0.0. = Navy El. 100.3
Contour based on Navy El.

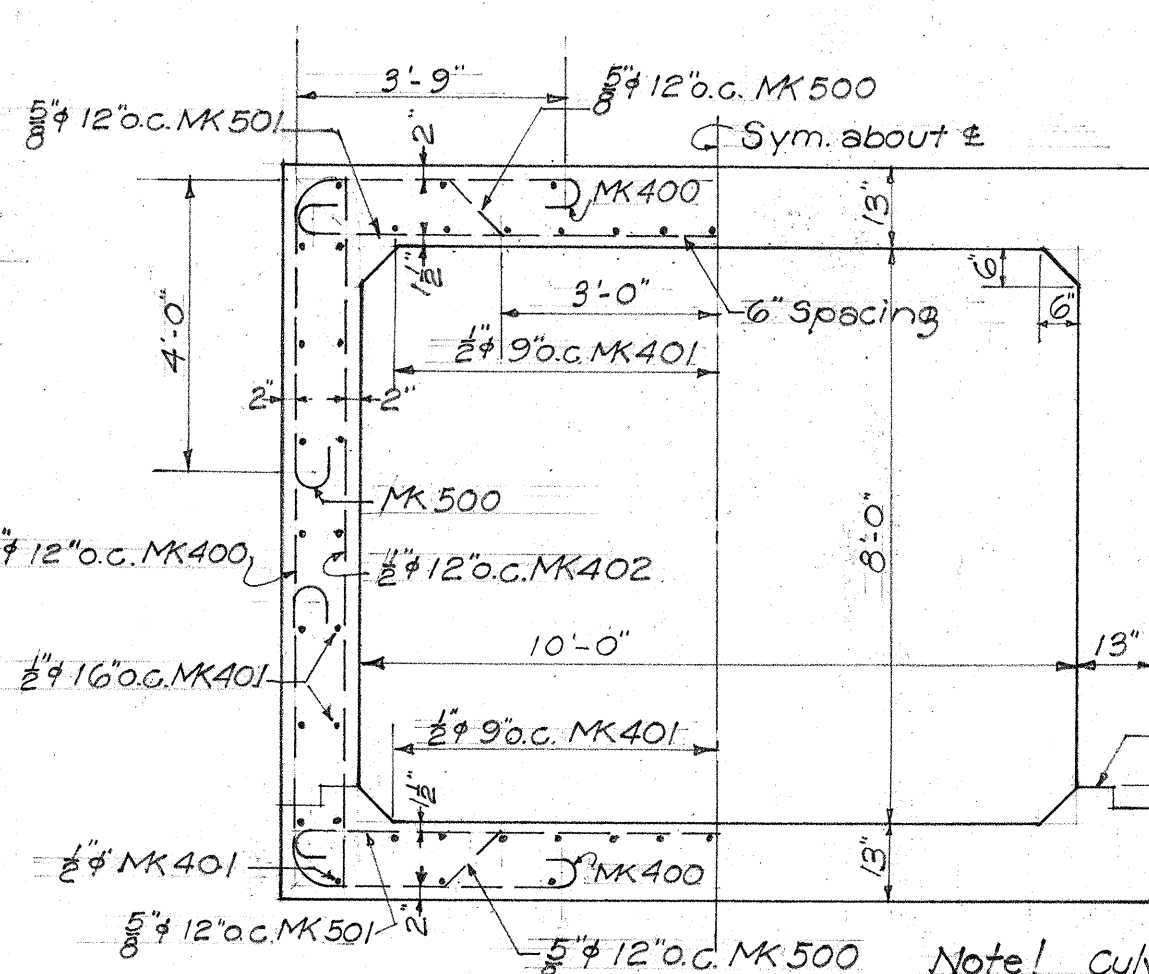
ELEV. H-H



ELEV. E-E
Scale 3/8" = 1'-0"

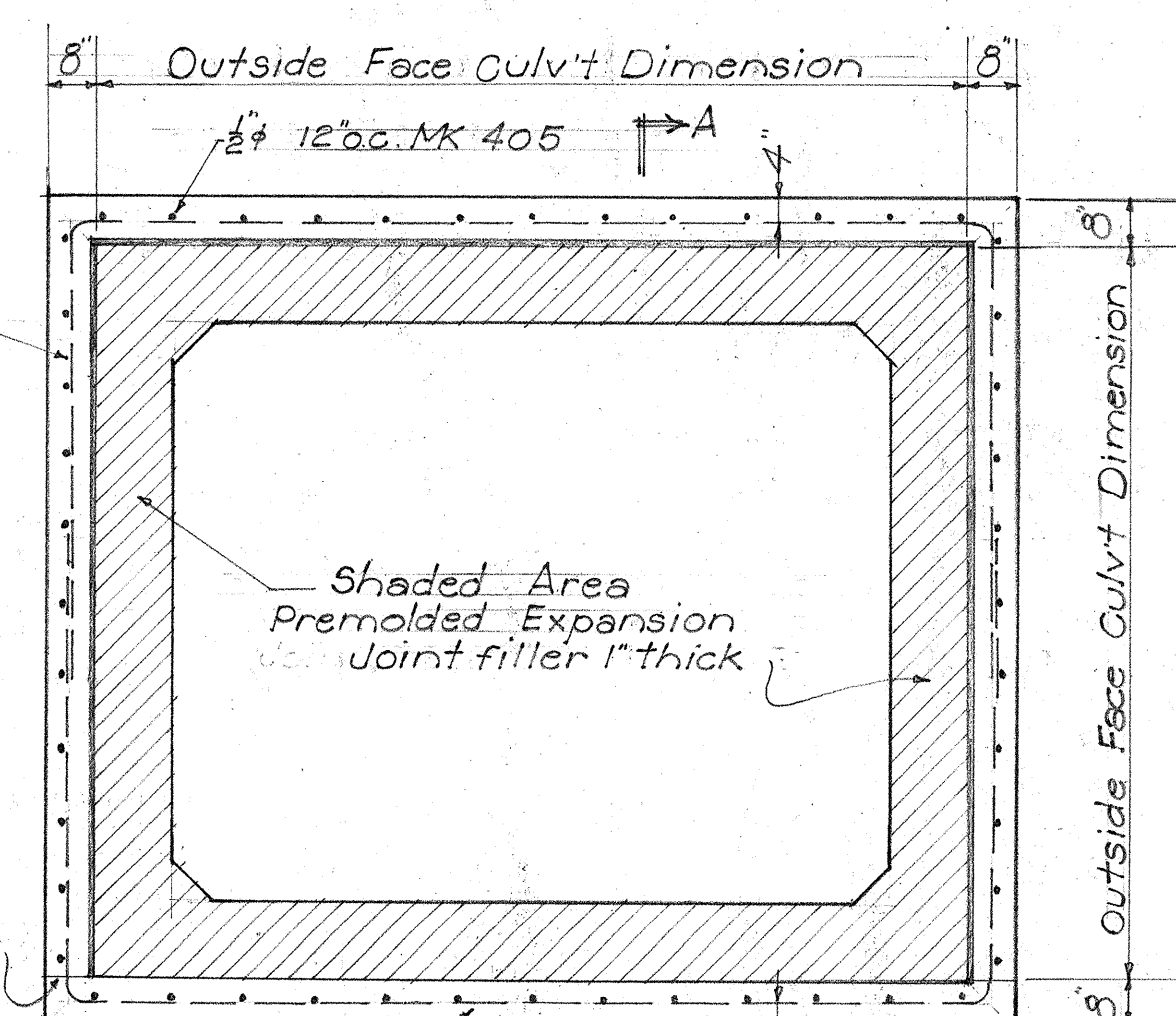


SECTION ALONG & CULVERT F-F
Scale 1" = 10'-0"



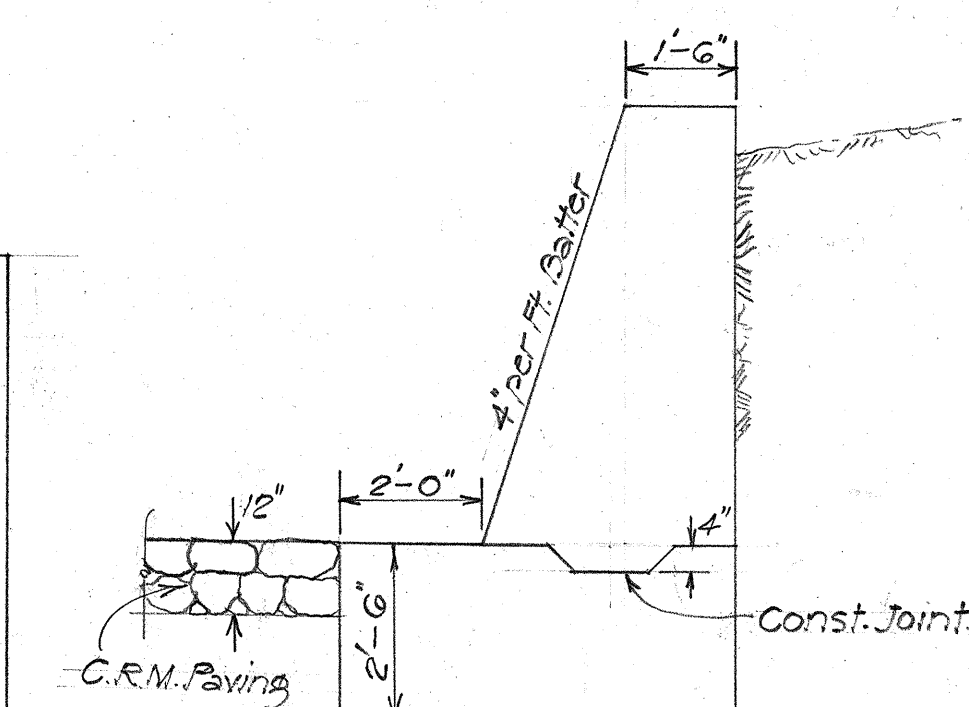
NORMAL SECTION
Scale 3/8" = 1'-0"

Note! Culvert designed for
I_c = 700#
I_s = 22000#

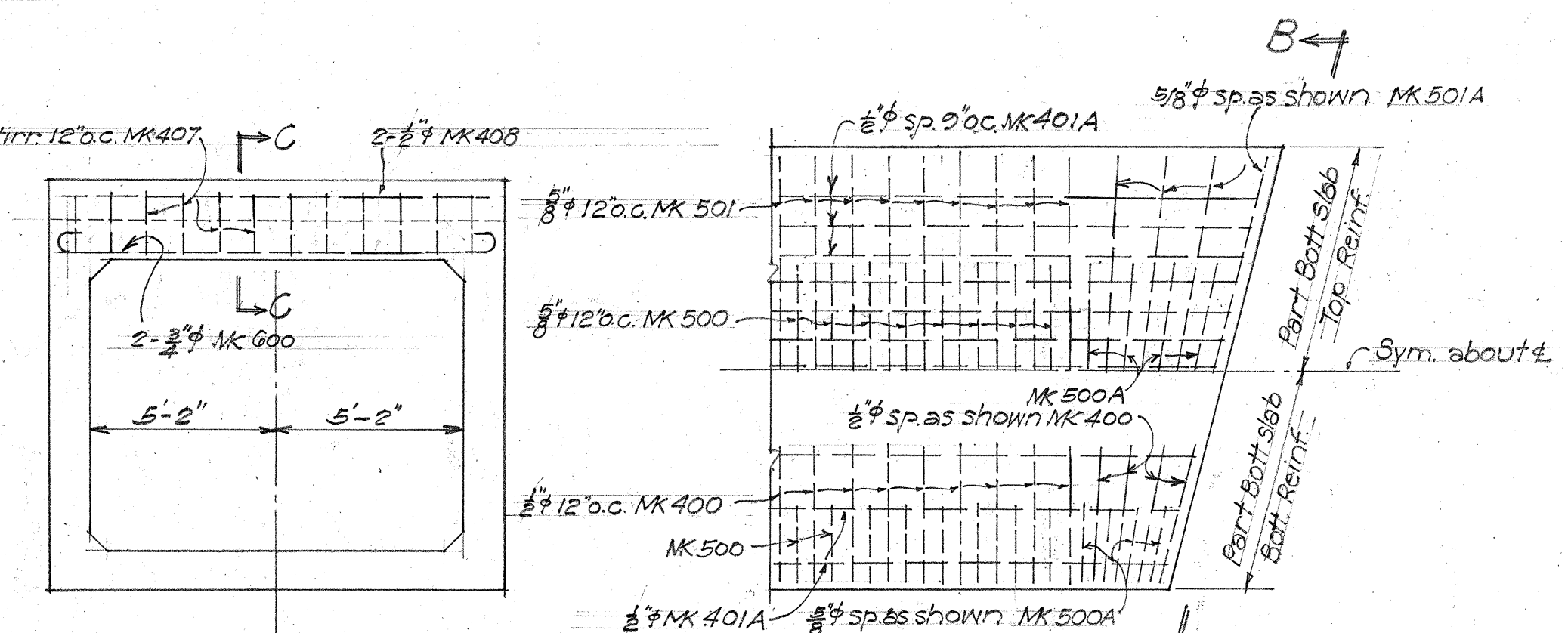


NORMAL SECTION CONC.
COLLAR & EXP. JOINT.
Scale 3/8" = 1'-0"

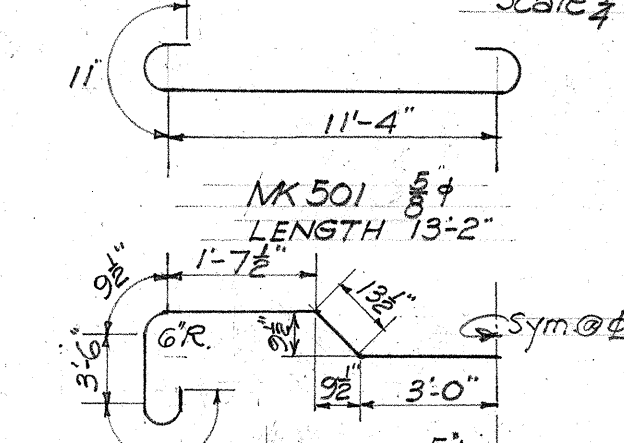
NOTE! This section not to be poured
monolithically with trunk.



TYPICAL W.W. SEC. D-D
Scale 3/8" = 1'-0"



ELEVATION B-B
Scale 1/4" = 1'-0"



SECTION CC
Scale 1/2" = 1'-0"

BOTT. SLAB REINF. (Top Slab Similar)
Scale 1/4" = 1'-0"

OUTSIDE FACE
WALL REINF.
Scale 1/4" = 1'-0"

ESTIMATED QUANTITIES

Class B Conc.	315.8 C.Y.
C.R.M. Paving	14.4 C.Y.
Str. Exc.	1,190 C.Y.
Channel Exc.	100 C.Y.
Reinf. Steel	22,132 lbs.

CONSTRUCTION JOINT DET.

METHOD OF APPLYING CONST. JOINT WATERPROOF.
1. Mop surface 12" either side of joint with asphalt 85-100 penetration applied at 200F
2. Apply one layer of 2 ply roofing paper lapping 9" either side of joint to hot asphalt.
3. Mop entire surface with a thick coat of hot asphalt.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
10' x 8' BOX CULVERT
STA. 211+38.2
KAM. HIGHWAY SN F&P 9A(3)
Jan. 1943