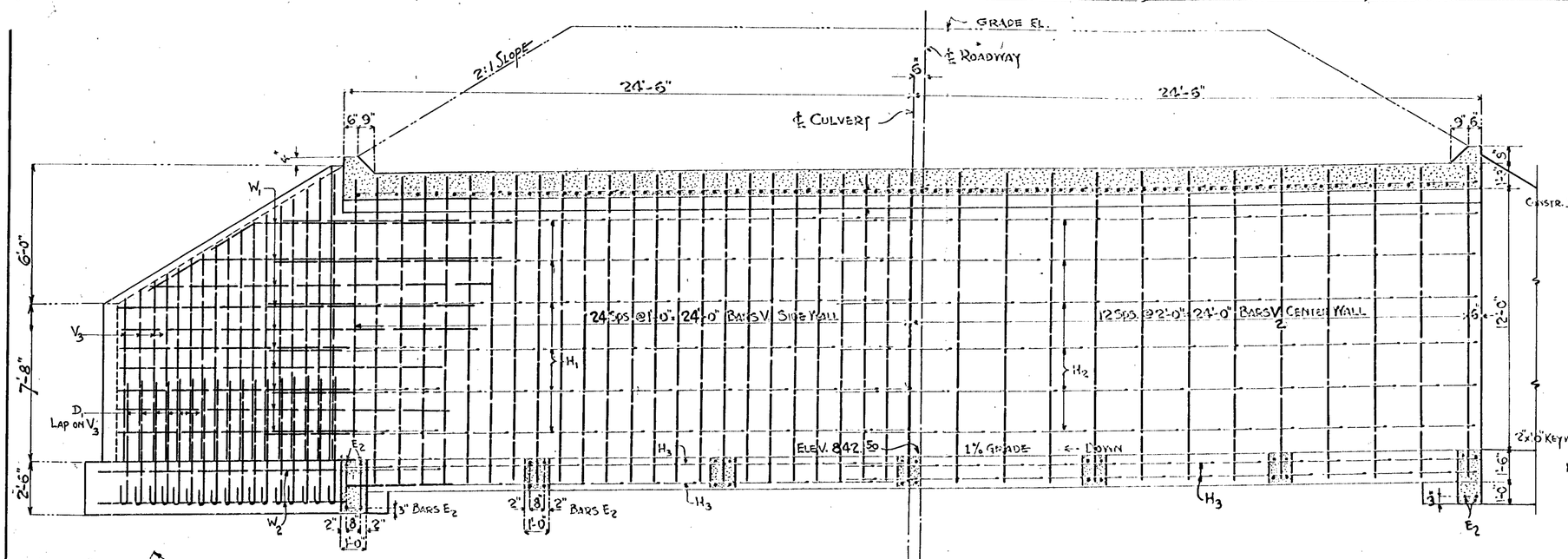
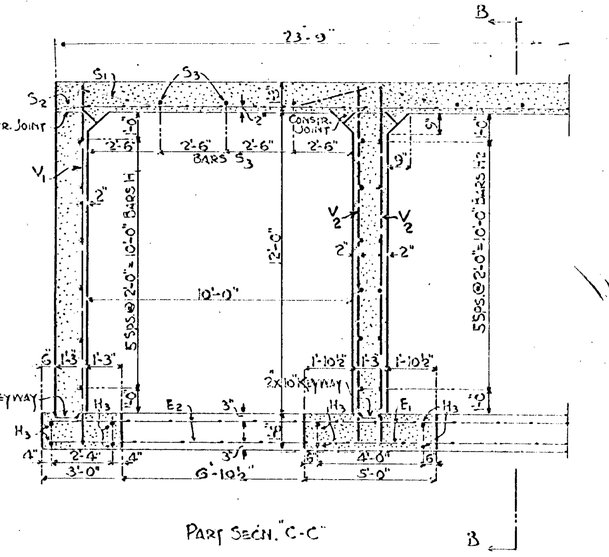
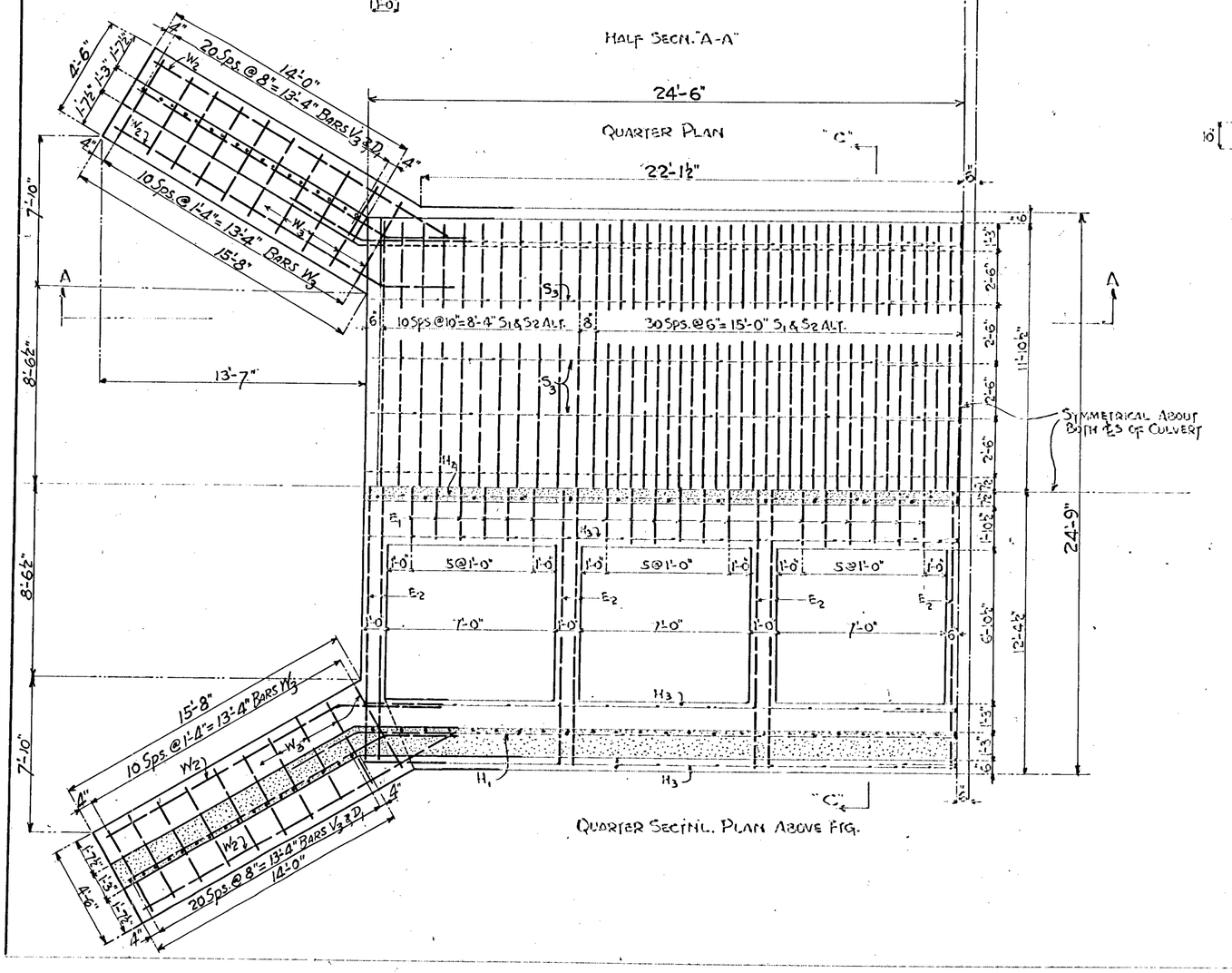


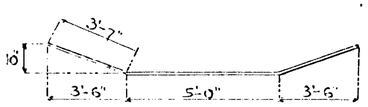
HALF SECN. "A-A"



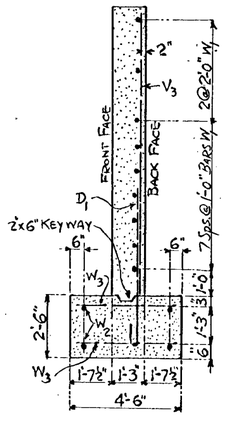
PART SECN. "C-C"



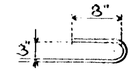
QUARTER SECTNL. PLAN ABOVE FTG.



DETAIL OF S1



SECN. THRU WING



HOOK END BARS D1

BILL OF REINFORCING BARS

Bar	No.	Size	Length	Shape	Location
E1	72	⅝" ϕ	4'-6"	Strt.	CENTER WALL - FOOTING
E2	28	⅝" "	24'-6"	"	STIRRUPS -
H1	24	½" "	29'-0"	"	SIDEWALLS - HORIZ.
H2	24	½" "	26'-0"	"	CENTER WALL "
H3	24	¾" "	26'-0"	"	FTG. LONGIT.
V1	98	¾" "	14'-3"	"	SIDE WALL - VERT.
V2	50	⅝" "	14'-3"	"	CENTER " "
V3	42	½" "	21'-0"	"	WING " "
W1	40	½" "	17'-0"	"	WING - HORZ.
W2	16	¾" "	17'-0"	"	" FTG. LONGIT.
W3	88	⅝" "	4'-3"	"	" " TRANSV.
D1	84	⅝" "	5'-3"	Hook	DOWELS
S1	82	¾" "	12'-2"	Bent	SLAB - TRANS.
S2	84	¾" "	12'-0"	Strt.	" "
S3	12	⅝" "	26'-0"	"	" LONGIT.

TOTAL REINFG. 12000 LBS.
TOTAL CONCRETE 228 C.Y.

EXPOSED EDGES TO BE BEVELED 1 INCH.
CLASS "A" CONCRETE - MIXED 1:2:4
FURNISH 5.7 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE.
SEE SPECIFICATIONS FOR CONCRETE MATERIAL.

* CUT 2 BARS FROM EACH BAR V3 - ONE LONG & ONE SHORT.

MINNESOTA HIGHWAY DEPARTMENT
DOUBLE 10'X12' REINF. CONC. CULVERT
IN SEC. 13 - T. 30 - R. 24
FRIDLEY TWP. ANOKA COUNTY
BRIDGE NO. 3310
APPROVED MAR. 30-20

J. B. Wilkinson
BRIDGE ENGR.

COMMR. OF HIGHWAYS

ONE SHEET

3310 | TRACE A.L.