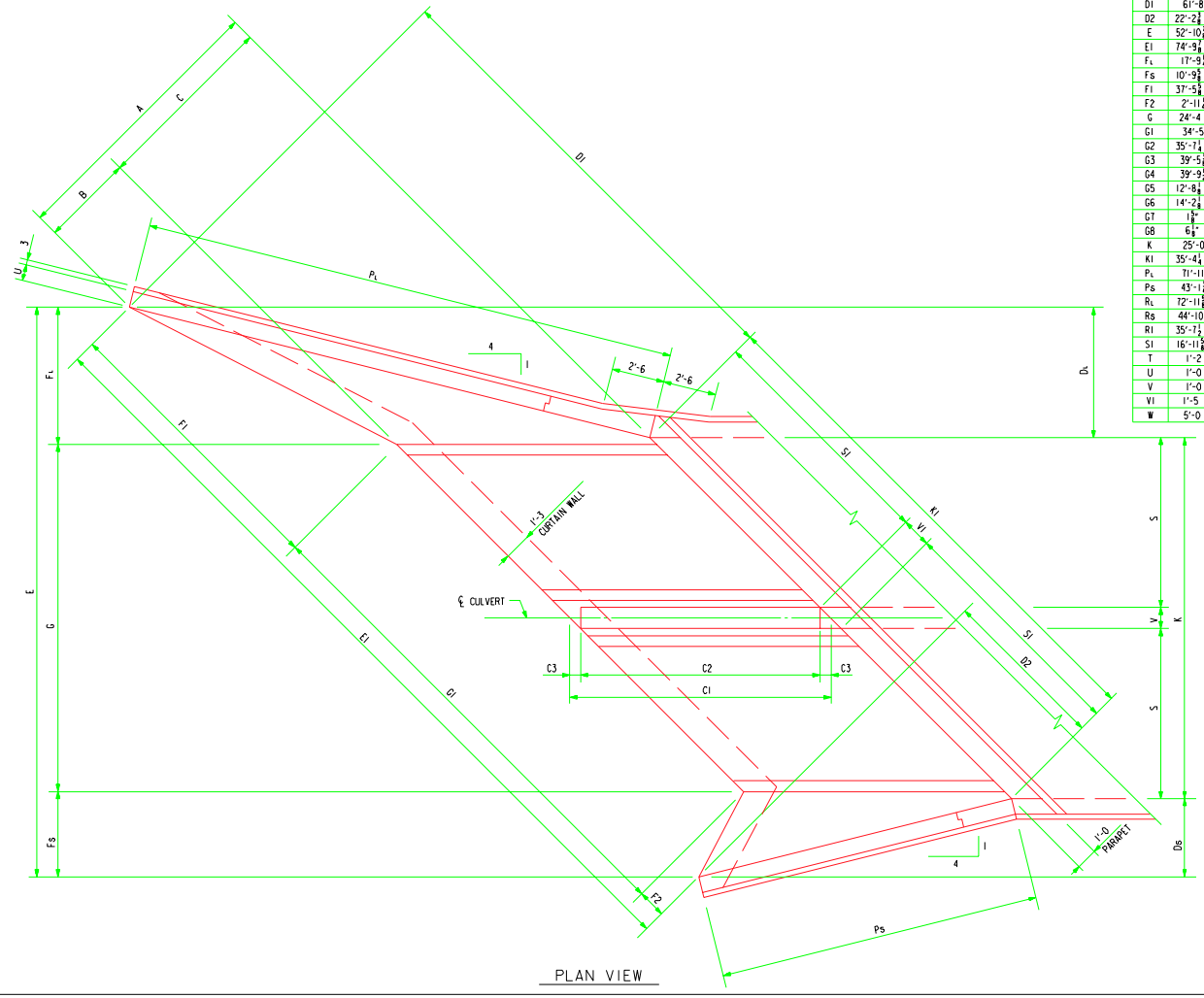
DIMENSION TABLE

S X H	12' X 12'	12' X 10'	12' X 8'	12' X 6'	10' X 12'	10' X 10'	10' X 8'	10' X 6'	8' X 10'	8' X 8'	8' X 6'	S X H
A	37'-0	31'-0	25'-0	19'-0	37'-0	31'-0	25'-0	19'-0	31'-0	25'-0	19'-0	A
B	12'-4	10'-4	8'-4	6'-4	12'-4	10'-4	8'-4	6'-4	10'-4	8'-4	6'-4	B
C	24'-8	20'-8	16'-8	12'-8	24'-8	20'-8	16'-8	12'-8	20'-8	16'-8	12'-8	C
C1	34'-10⅝	29'-2⅝	23'-6⅝	17'-11	34'-10⅝	29'-2⅝	23'-6⅝	17'-11	29'-2⅝	23'-6⅞	17'-11	C1
C2	33'-10⅛	28'-4⅛	22'-8⅛	17'-2	33'-10⅛	28'-4⅛	22'-8⅛	17'-2	28'-4¼	22'-8⅛	17'-2	C2
C3	6"	5"	5"	4½"	6"	5"	5"	4½"	5"	5"	4½"	C3
D1	17'-5¼	14'-7⅜	11'-9½	8'-11½	17'-5¼	14'-7⅜	11'-9⅜	8'-11½	14'-7⅜	11'-9⅜	8'-11½	D1
D2	10'-5⅝	8'-9⅛	7'-0⅛	5'-4½	10'-5⅝	8'-9⅛	7'-0⅛	5'-4½	8'-9¼	7'-0⅞	5'-4½	D2
DI	61"-8	51"-8	41"-8	31"-8	61"-8	51"-8	41"-8	31"-8	51"-8	41"-8	31"-8	DI
D2	22'-2⅛	18'-7¼	15'-0	11'-4½	22'-2⅛	18'-7¼	15'-0	11'-4⅛	18'-7⅛	15'-0	11'-4½	D2
E	52'-10⅞	48'-2⅛	43'-8¼	39'-1	48'-10⅛	44'-2⅛	39'-8¼	35'-1	40'-2⅝	35'-8¼	31'-1	E
E1	74'-9⅛	68'-2¼	61'-9½	55'-3¼	69'-2	62'-6⅛	56'-1½	49'-7⅛	56'-10½	50'-5⅛	43'-11½	E1
F1	17'-9⅛	14'-11⅛	12'-1⅜	9'-3½	17'-9⅛	14'-11⅛	12'-1⅛	9'-3½	14'-11⅛	12'-1⅜	9'-3½	F1
Fs	10'-9⅜	9'-1¼	7'-4¼	5'-8½	10'-9⅜	9'-1¼	7'-4¼	5'-8½	9'-1¼	7'-4⅜	5'-8½	Fs
FI	37'-5⅜	31'-5⅜	25'-5⅝	19'-5⅞	37'-5⅜	31'-5⅜	25'-5⅜	19'-5⅜	31'-5⅜	25'-5⅝	19'-5⅜	FI
F2	2'-11¼	2'-6½	2'-1⅝	1'-8⅛	2'-11¼	2'-6½	2'-1⅝	1'-8⅛	2'-6½	2'-1⅝	1'-8⅛	F2
G	24'-4	24'-2	24'-2	24'-1	20'-4	20'-2	20'-2	20'-1	16'-2	16'-2	16'-1	G
GI	34'-5	34'-2⅛	34'-2⅛	34'-0⅜	28'-9⅛	28'-6¼	28'-6¼	28'-4⅛	22'-10⅜	22'-10⅜	22'-9	GI
G2	35'-7⅛	35'-4¼	35'-4⅛	35'-2½	29'-11⅛	29'-8¼	29'-8¼	29'-6⅝	24'-0½	24'-0⅛	23'-10⅜	G2
G3	39'-5⅛	33'-1½	26'-9⅝	20'-5⅛	39'-5⅛	33'-1½	26'-9⅝	20'-5⅝	33'-1½	26'-9⅝	20'-5⅜	G3
G4	39'-9½	32'-8½	26'-4½	19'-8⅜	39'-9½	32'-8½	26'-4¼	19'-8⅜	32'-8½	26'-4½	19'-8⅜	G4
G5	12'-8¼	10'-7¾	8'-7¼	6'-6½	12'-8¼	10'-7¾	8'-7¼	6'-6½	10'-7¾	8'-7¼	6'-6½	G5
G6	14'-2⅛	11'-10⅜	9'-10⅝	7'-8½	14'-2⅛	11'-10⅜	9'-10⅜	7'-8½	11'-10⅜	9'-10⅜	7'-8½	G6
GT	1⅝"	10½"	10½"	1'-2½	1⅝"	10½"	10½"	1'-2½	10½"	10½"	1'-2½	GT
GB	6½"	8¼"	8¼"	9¼"	6½"	8¼"	8¼"	9¼"	8¼"	8¼"	9¼"	GB
K	25'-0	24'-10	24'-10	24'-9	21'-0	20'-10	20'-10	20'-9	16'-10	16'-10	16'-9	K
KI	35'-4½	35'-1½	35'-1½	35'-0	29'-8½	29'-5½	29'-5½	29'-4½	23'-9⅝	23'-9⅝	23'-8½	KI
PL	71'-11	60'-3	48'-7½	36'-11½	71'-11	60'-3	48'-7½	36'-11⅛	60'-3	48'-7½	36'-11⅛	PL
Ps	43'-1⅞	36'-1⅞	29'-1⅞	22'-1⅞	43'-1⅞	36'-1⅞	29'-1⅞	22'-1⅞	36'-1⅞	29'-1⅞	22'-1⅞	Ps
RL	72'-11⅝	61'-1⅝	49'-3⅝	37'-5⅝	72'-11⅝	61'-1⅝	49'-3⅝	37'-5⅝	61'-1⅝	49'-3⅝	37'-5⅝	RL
Rs	44'-10⅞	37'-7¼	30'-3⅜	23'-0⅞	44'-10⅞	37'-7¼	30'-3⅜	23'-0⅞	37'-7¼	30'-3⅜	23'-0⅞	Rs
RI	35'-7⅞	29'-9⅝	23'-9⅝	17'-10⅞	35'-7⅞	29'-9⅝	23'-9⅝	17'-10⅞	29'-9⅝	23'-9⅞	17'-10⅞	RI
SI	16'-11⅝	16'-11⅝	16'-11⅝	16'-11⅝	14'-1½	14'-1½	14'-1½	14'-1½	11'-3¾	11'-3¾	11'-3¾	SI
T	1'-2	1'-2	1'-2	1'-2	1'-1	1'-1	1'-1	1'-1	11"	11"	11"	T
U	1'-0	10"	10"	9"	1'-0	10"	10"	9"	10"	10"	9"	U
V	1'-0	10"	10"	9"	1'-0	10"	10"	9"	10"	10"	9"	V
VI	1'-5	1'-2⅛	1'-2⅛	1'-0⅞	1'-5	1'-2⅛	1'-2⅛	1'-0⅞	1'-2⅛	1'-2⅛	1'-0⅝	VI
W	5'-0	4'-6	4'-0	3'-6	5'-0	4'-6	4'-0	3'-6	4'-6	4'-0	3'-6	W



PLAN VIEW

NOTES:

1. SEE DRAWING TWRCB-GI-87 FOR GENERAL INFORMATION, SPECIFICATIONS, AND DESIGN STRESSES.
2. SEE DRAWINGS TWH 45-2-87 THRU 45-5-87 FOR LOCATION OF CERTAIN DIMENSIONS TABULATED.
3. SEE DRAWING TWH 45-6-87 FOR HEADWALL NOTES.

LATEST REVISION DATE : 12-5-96

APPROVED BY : William A. Knapp

STANDARD DESIGN

FLARED WING HEADWALLS

FOR

TWIN REINFORCED CONCRETE BOX CULVERTS

HIGHWAY DIVISION

IOWA DEPARTMENT OF TRANSPORTATION

JULY , 1987

TWH 45-1-87

REVISED : 12/96 ; NOTE CORRECTED.
TWH45I.SOI

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