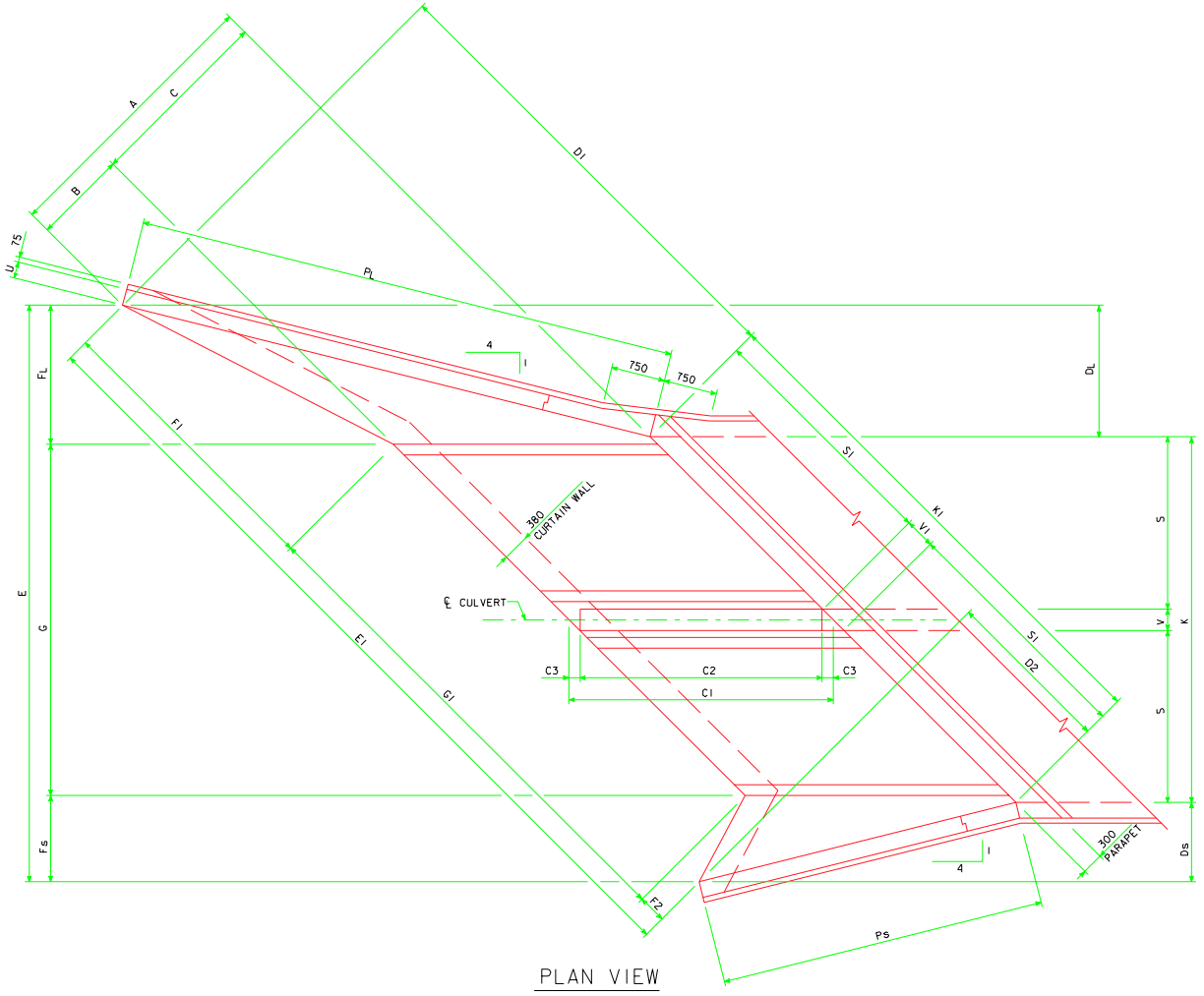

PLAN VIEW

DIMENSION TABLE

S x H	3600 x 3600	3600 x 3000	3600 x 2400	3600 x 1800	3000 x 3600	3000 x 3000	3000 x 2400	3000 x 1800	2400 x 3000	2400 x 2400	2400 x 1800	S x H
A	11 100	9300	7500	5700	11 100	9300	7500	5700	9300	7500	5700	A
B	3700	3100	2500	1900	3700	3100	2500	1900	3100	2500	1900	B
C	7400	6200	5000	3800	7400	6200	5000	3800	6200	5000	3800	C
C1	10 465	8768	7071	5374	10 465	8768	7071	5374	8768	7071	5374	C1
C2	10 160	8513	6816	5144	10 160	8513	6816	5144	8513	6816	5144	C2
C3	153	127	127	115	153	127	127	115	127	127	115	C3
DL	5233	4384	3536	2687	5233	4384	3536	2687	4384	3536	2687	DL
D1	3140	2630	2121	1612	3140	2630	2121	1612	2630	2121	1612	D1
D2	18 500	15 500	12 500	9500	18 500	15 500	12 500	9500	15 500	12 500	9500	D2
E	6660	5580	4500	3420	6660	5580	4500	3420	5580	4500	3420	E
E1	15 877	14 459	13 112	11 729	14 677	13 269	11 912	10 529	12 069	10 712	9329	E1
FL	22 454	20 465	18 543	16 588	20 757	18 766	16 846	14 891	17 069	15 149	13 195	FL
F1	5333	4484	3636	2787	5333	4484	3636	2787	4484	3636	2787	F1
F2	3240	2730	2221	1712	3240	2730	2221	1712	2730	2221	1712	F2
G	11 241	9441	7641	5841	11 241	9441	7641	5841	9441	7641	5841	G
G1	881	761	641	521	881	761	641	521	761	641	521	G1
G2	10 331	10 260	10 260	10 225	8634	8563	8563	8528	6866	6866	6831	G2
G3	10 592	10 619	10 616	10 575	8995	8922	8918	8878	7225	7221	7181	G3
G4	11 835	9937	8040	6143	11 835	9937	8040	6143	9937	8040	6143	G4
G5	11 938	9815	7918	5911	11 938	9815	7918	5911	9815	7918	5911	G5
G6	3804	3192	2581	1970	3804	3192	2581	1970	3192	2581	1970	G6
G7	4259	3576	2964	2319	4259	3576	2964	2319	3576	2964	2319	G7
G8	42	263	262	369	42	263	262	369	263	262	369	G8
K	155	207	208	234	155	207	208	234	207	208	234	K
K1	7505	7455	7455	7430	6305	6255	6255	6230	5055	5055	5030	K1
PL	10 614	10 543	10 543	10 508	8917	8846	8846	8811	7149	7149	7113	PL
PS	21 575	18 076	14 577	11 079	21 575	18 076	14 577	11 079	18 076	14 577	11 079	PS
RL	12 945	10 846	8746	6647	12 945	10 846	8746	6647	10 846	8746	6647	RL
RS	21 889	18 340	14 790	11 241	21 889	18 340	14 790	11 241	18 340	14 790	11 241	RS
R1	13 463	11 280	9097	6913	13 463	11 280	9097	6913	11 280	9097	6913	R1
S1	10 683	8931	7132	5358	10 683	8931	7132	5358	8931	7132	5358	S1
T	5091	5091	5091	5091	4243	4243	4243	4243	3394	3394	3394	T
U	355	355	355	355	330	330	330	330	280	280	280	U
V	305	255	255	230	305	255	255	230	255	255	230	V
V1	305	255	255	280	305	255	255	230	255	255	280	V
W	431	361	361	325	431	361	361	325	361	361	325	V1
	1500	1350	1200	1050	1500	1350	1200	1050	1350	1200	1050	W

NOTES:

1. SEE SHEET MTWRCB-G1-95 FOR GENERAL INFORMATION, SPECIFICATIONS, AND DESIGN STRESSES.
2. SEE SHEET MTWH 45-2-95 THRU 45-5-95 FOR LOCATION OF CERTAIN DIMENSIONS TABULATED.
3. SEE SHEET MTWH 45-6-95 FOR HEADWALL NOTES.

LATEST REVISION DATE :

APPROVED BY : William A. Reinhardt

STANDARD DESIGN

FLARED WING HEADWALLS

FOR
TWIN REINFORCED CONCRETE BOX CULVERTS

PROJECT DEVELOPMENT DIVISION
IOWA DEPARTMENT OF TRANSPORTATION

JULY, 1995

MTWH 45-1-95

TWH45IM.SOI

XXXXXXXXXSYSTEMTIME XXXXXXXUSERNAME XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXDGNSPEC