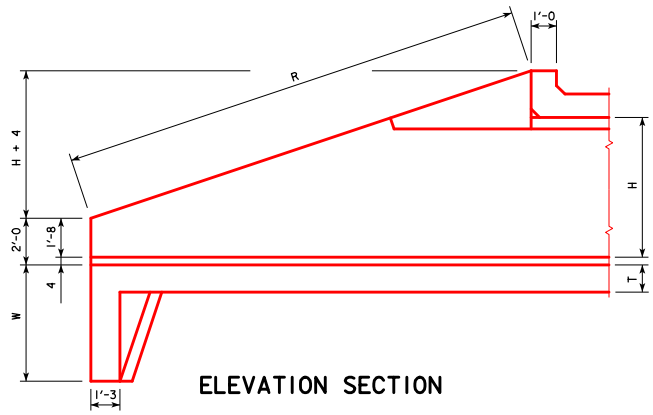
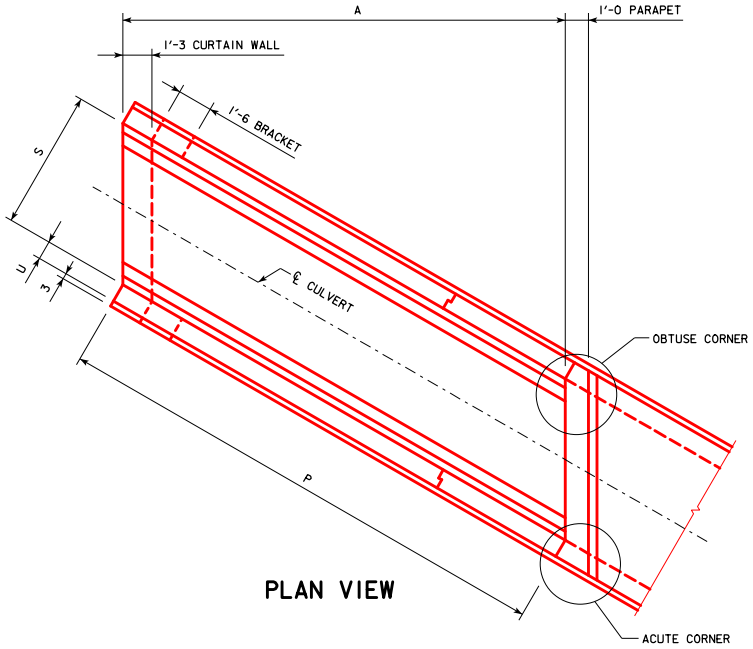


ELEVATION SECTION



PLAN VIEW

DIMENSION TABLE

	S x H	12' x 12'	12' x 11'	12' x 10'	12' x 9'	12' x 8'	12' x 7'	12' x 6'	12' x 5'	12' x 4'	10' x 12'	10' x 11'	10' x 10'	10' x 9'	10' x 8'	10' x 7'	10' x 6'	10' x 5'	10' x 4'	S x H
HEADWALL DIMENSIONS	A	37'-0	34'-0	31'-0	28'-0	25'-0	22'-0	19'-0	16'-0	13'-0	37'-0	34'-0	31'-0	28'-0	25'-0	22'-0	19'-0	16'-0	13'-0	A
	H	12'-0	11'-0	10'-0	9'-0	8'-0	7'-0	6'-0	5'-0	4'-0	12'-0	11'-0	10'-0	9'-0	8'-0	7'-0	6'-0	5'-0	4'-0	H
	P	42'-8 11/16	39'-3 1/8	35'-9 9/16	32'-4	28'-10 7/16	25'-4 7/8	21'-11 5/16	18'-5 3/4	15'-0 3/16	42'-8 11/16	39'-3 1/8	35'-9 9/16	32'-4	28'-10 7/16	25'-4 7/8	21'-11 5/16	18'-5 3/4	15'-0 3/16	P
	R	44'-5 5/8	40'-10 3/8	37'-3 1/8	33'-7 7/8	30'-0 9/16	26'-5 5/16	22'-10 1/16	19'-2 13/16	15'-7 1/2	44'-5 5/8	40'-10 3/8	37'-3 1/8	33'-7 7/8	30'-0 9/16	26'-5 5/16	22'-10 1/16	19'-2 13/16	15'-7 1/2	R
	S	12'-0	12'-0	12'-0	12'-0	12'-0	12'-0	12'-0	12'-0	12'-0	10'-0	10'-0	10'-0	10'-0	10'-0	10'-0	10'-0	10'-0	10'-0	S
	T	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	T
	U	1'-0	1'-0	10	10	10	9	9	9	9	1'-0	1'-0	10	10	10	9	9	9	9	U
	W	5'-0	4'-9	4'-6	4'-3	4'-0	3'-9	3'-6	3'-6	3'-6	5'-0	4'-9	4'-6	4'-3	4'-0	3'-9	3'-6	3'-6	3'-6	W
BAR SPACINGS	M	16'-0	15'-0	13'-0	12'-0	11'-0	9'-0	8'-0	6'-0	5'-0	16'-0	15'-0	13'-0	12'-0	11'-0	9'-0	8'-0	-	-	M
	B	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	B
	C	6	6	9	9	1'-0	1'-0	1'-0	1'-0	1'-0	6	6	9	9	1'-0	1'-0	1'-0	1'-0	1'-0	C
	D	6	6	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	6	6	6	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	D
	E	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	E

DIMENSION TABLE

	S x H	8' x 10'	8' x 9'	8' x 8'	8' x 7'	8' x 6'	8' x 5'	8' x 4'	6' x 8'	6' x 7'	6' x 6'	6' x 5'	6' x 4'	6' x 3'	5' x 6'	5' x 5'	5' x 4'	5' x 3'	-	S x H
HEADWALL DIMENSIONS	A	31'-0	28'-0	25'-0	22'-0	19'-0	16'-0	13'-0	25'-0	22'-0	19'-0	16'-0	13'-0	10'-0	19'-0	16'-0	13'-0	10'-0	-	A
	H	10'-0	9'-0	8'-0	7'-0	6'-0	5'-0	4'-0	8'-0	7'-0	6'-0	5'-0	4'-0	3'-0	6'-0	5'-0	4'-0	3'-0	-	H
	P	35'-9 9/16	32'-4	28'-10 7/16	25'-4 7/8	21'-11 5/16	18'-5 3/4	15'-0 3/16	28'-10 7/16	25'-4 7/8	21'-11 5/16	18'-5 3/4	15'-0 3/16	11'-6 5/8	21'-11 5/16	18'-5 3/4	15'-0 3/16	11'-6 5/8	-	P
	R	37'-3 1/8	33'-7 7/8	30'-0 9/16	26'-5 5/16	22'-10 1/16	19'-2 13/16	15'-7 1/2	30'-0 9/16	26'-5 5/16	22'-10 1/16	19'-2 13/16	15'-7 1/2	12'-0 1/4	22'-10 1/16	19'-2 13/16	15'-7 1/2	12'-0 1/4	-	R
	S	8'-0	8'-0	8'-0	8'-0	8'-0	8'-0	8'-0	6'-0	6'-0	6'-0	6'-0	6'-0	6'-0	5'-0	5'-0	5'-0	5'-0	-	S
	T	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	-	T
	U	10	10	10	9	9	9	9	10	9	9	9	9	9	9	9	9	9	-	U
	W	4'-6	4'-3	4'-0	3'-9	3'-6	3'-6	3'-6	4'-0	3'-9	3'-6	3'-6	3'-6	3'-6	3'-6	3'-6	3'-6	3'-6	-	W
BAR SPACINGS	M	13'-0	12'-0	11'-0	9'-0	-	-	-	11'-0	9'-0	-	-	-	-	-	-	-	-	-	M
	B	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	-	B
	C	6	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	-	C
	D	6	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	-	D
	E	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	-	E

NOTES:

1. SEE DRAWING RCB-G1-12 AND RCB-G2-12 FOR GENERAL NOTES, SPECIFICATIONS, AND DESIGN STRESSES.
2. SEE DRAWING PWH 30-2-12 THRU 30-4-12 FOR LOCATION OF CERTAIN DIMENSIONS TABULATED.

12-2016
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - SINGLE REINFORCED CONCRETE BOX CULVERTS

PARALLEL WING HEADWALLS

APRIL, 2012

DIMENSION TABLE 30° SKEW

PWH 30-1-12

REVISED 12-2016: REMOVED NOTE STATING LOCATION FOR HEADWALL NOTES.
ENGLISH:LRFDSIGNEDSINGLECULVERTS.DGN - PWH 30-1-12 - THIS SHEET ISSUED 04-12.