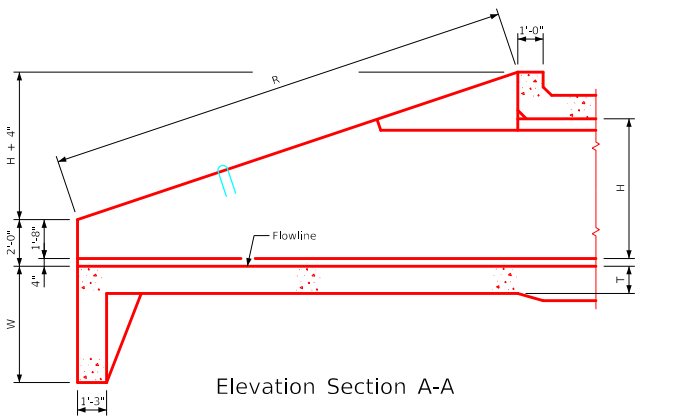
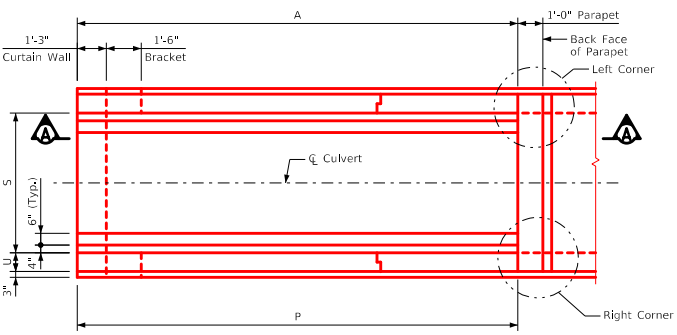


ENGLISHRFDDESIGNEDSINGLECULVERTS.DGN - PWH 0-1-20 - THIS SHEET ISSUED 07-2020.



Elevation Section A-A



Plan View

		Dimension Table																						
S x H		16' x 14'	16' x 13'	16' x 12'	16' x 11'	16' x 10'	16' x 9'	16' x 8'	16' x 7'	16' x 6'	16' x 5'	16' x 4'	14' x 14'	14' x 13'	14' x 12'	14' x 11'	14' x 10'	14' x 9'	14' x 8'	14' x 7'	14' x 6'	14' x 5'	14' x 4'	S x H
A	Headwall Dimensions	43'-0"	40'-0"	37'-0"	34'-0"	31'-0"	28'-0"	25'-0"	22'-0"	19'-0"	16'-0"	13'-0"	43'-0"	40'-0"	37'-0"	34'-0"	31'-0"	28'-0"	25'-0"	22'-0"	19'-0"	16'-0"	13'-0"	A
H		14'-0"	13'-0"	12'-0"	11'-0"	10'-0"	9'-0"	8'-0"	7'-0"	6'-0"	5'-0"	4'-0"	14'-0"	13'-0"	12'-0"	11'-0"	10'-0"	9'-0"	8'-0"	7'-0"	6'-0"	5'-0"	4'-0"	H
P		43'-0"	40'-0"	37'-0"	34'-0"	31'-0"	28'-0"	25'-0"	22'-0"	19'-0"	16'-0"	13'-0"	43'-0"	40'-0"	37'-0"	34'-0"	31'-0"	28'-0"	25'-0"	22'-0"	19'-0"	16'-0"	13'-0"	P
R		45'-3/8"	42'-2"	39'-0"	35'-10 1/8"	32'-8 1/8"	29'-6 1/8"	26'-4 1/8"	23'-2 1/8"	20'-0 1/8"	16'-10 1/8"	13'-8 1/8"	45'-3/8"	42'-2"	39'-0"	35'-10 1/8"	32'-8 1/8"	29'-6 1/8"	26'-4 1/8"	23'-2 1/8"	20'-0 1/8"	16'-10 1/8"	13'-8 1/8"	R
S		16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	16'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	S
T		1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	1'-3"	T
U		1'-1"	1'-1"	1'-0"	1'-0"	10	10	10	9	9	9	9	1'-1"	1'-1"	1'-0"	1'-0"	10	10	9	9	9	9	9	U
W		5'-6"	5'-3"	5'-0"	4'-9"	4'-6"	4'-3"	4'-0"	3'-9"	3'-6"	3'-6"	3'-6"	5'-6"	5'-3"	5'-0"	4'-9"	4'-6"	4'-3"	4'-0"	3'-9"	3'-6"	3'-6"	3'-6"	W
B	Bar Spacing	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	9	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	9	9	B
C		1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	9	9	9	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	9	9	9	9	1'-0"	1'-0"	C
D		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	D
E		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	E

		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		
A	Headwall Dimensions	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"	10'-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"	3'-0"	H	
P		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"	10'-0"	P	
R		39'-0"	35'-10 1/8"	32'-8 1/8"	29'-6 1/8"	26'-4 1/8"	23'-2 1/8"	20'-0 1/8"	16'-10 1/8"	13'-8 1/8"	39'-0"	35'-10 1/8"	32'-8 1/8"	29'-6 1/8"	26'-4 1/8"	23'-2 1/8"	20'-0 1/8"	16'-10 1/8"	13'-8 1/8"	10'-0"	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"	10'-0"	S	
T		1'-2"	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	9	9	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"	3'-6"	W	
B	Bar Spacing	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"	1'-0"	B	
C		1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	9	9	9	9	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	9	9	9	9	9	C	
D		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	D	
E		9	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'	4' x 4'	3' x 3'	S x H	
A	Headwall Dimensions	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"	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"	4'-0"	3'-0"	H	
P		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"	13'-0"	10'-0"	P	
R		32'-8 1/8"	29'-6 1/8"	26'-4 1/8"	23'-2 1/8"	20'-0 1/8"	16'-10 1/8"	13'-8 1/8"	26'-4 1/8"	23'-2 1/8"	20'-0 1/8"	16'-10 1/8"	13'-8 1/8"	10'-6 1/8"	20'-0 1/8"	16'-10 1/8"	13'-8 1/8"	10'-6 1/8"	13'-8 1/8"	10'-6 1/8"	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"	4'-0"	4'-0"	S	
T		11	11	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	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"	3'-6"	3'-6"	W	
B	Bar Spacing	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"	1'-0"	B	
C		1'-0"	1'-0"	9	9	9	1'-0"	1'-0"	9	9	9	1'-0"	1'-0"	1'-0"	9	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	C	
D		6	6	9	1'-0"	1'-0"	1'-0"	1'-0"	9	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"	1'-0"	1'-0"	E	

Notes:
 1. See Sheet RCB G2-20 for General Notes, Specifications, and Design Stresses.
 2. See Sheets PWH 0-2-20 thru 0-4-20 for location of certain dimensions tabulated.
 3. Dimensions are in feet and inches unless otherwise noted.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	IOWA DOT Highway Division	
		Standard Design - Single Reinforced Concrete Box Culverts	
		Parallel Wing Headwalls	
		July, 2020	
		Dimension Table 0° Skew	PWH 0-1-20