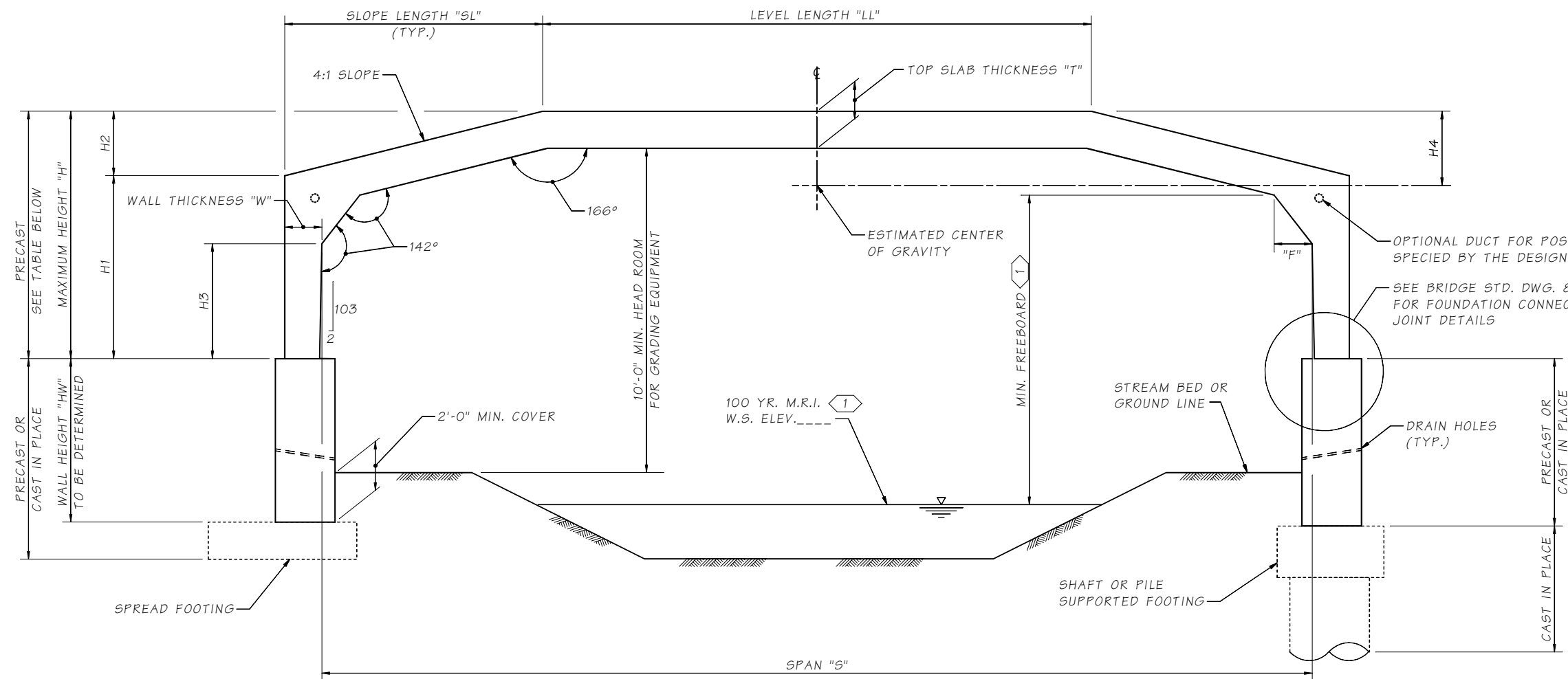


LAST REVISED: 07/07/2023

SHEET

JOB NO.

8.3-A1-1



BURIED STRUCTURE SECTION WITH FOUNDATION

STRUCTURE NOTES:

1. ALL DIMENSIONS ARE SYMMETRICAL ON LEFT AND RIGHT SIDES OF UNIT
2. ALL ANGLES ARE ROUNDED UP TO THE NEAREST DEGREE.

NOTES:

① AS DETERMINED BY HYDRAULIC ENGINEER

PRECAST BURIED STRUCTURE GEOMETRICS TABLE

SERIES	TYPE	CASE	SPAN "S"	MAXIMUM HEIGHT "H"	WALL HEIGHTS			LEVEL LENGTH "LL"	SLOPE LENGTH(2) "SL"	TOP SLAB THICKNESS "T"	WALL THICKNESS "W"	FILLET "F"	LAY WIDTH (NOT SHOWN) (2)	SEGMENT WEIGHT (2) KIPS	CENTER OF GRAVITY (2) H4	NOTES
					H1	H2	H3									
SB20	SPLIT BOX	FLAT TOP	20'-0"	12'-0"	-	-	VARIES	21'-8"	-	1'-2"	10" OR 12"	1'-5"	4'-0" TO 10'-0"	39 - 63	2.83'	(1) FOR THREE-SIDED STRUCTURE APPLICATION (FC20 OR FC25 SERIES). ELIMINATE TOP SLAB AND INVERT BOTTOM UNIT(S). SEE BRIDGE STD. DRAWING 8.3-A3-1.
SB25	SPLIT BOX	FLAT TOP	25'-0"	12'-0"	-	-	VARIES	27'-0"	-	1'-4"	10" OR 12"	1'-5"	4'-0" TO 10'-0"	47 - 71	2.55'	
SB20 (1)	SPLIT BOX	FLAT TOP	20'-0"	12'-0"	-	-	VARIES	21'-8"	-	1'-2"	10" OR 12"	1'-5"	4'-0" TO 10'-0"	39 - 63	2.83'	
SB25 (1)	SPLIT BOX	FLAT TOP	25'-0"	12'-0"	-	-	VARIES	27'-0"	-	1'-4"	10" OR 12"	1'-5"	4'-0" TO 10'-0"	47 - 71	2.55'	
FC30	THREE-SIDED	SLOPE LENGTH FIXED	30'-0"	12'-0"	7'-4 3/4"	2'-7 1/4"	4'-1 1/4"	12'-4"	10'-5"	1'-7"	1'-7"	2'-0"	4'-0" TO 10'-0"	50 - 60	2.71'	(2) FOR INFORMATIONAL PURPOSES ONLY, NOT APPLICABLE FOR DESIGN OR FABRICATION
FC35	THREE-SIDED	SLOPE LENGTH FIXED	35'-0"	12'-0"	7'-4 3/4"	2'-7 1/4"	4'-1 1/4"	17'-4"	10'-5"	1'-7"	1'-7"	2'-0"	4'-0" TO 10'-0"	60 - 66	2.71'	
FC40	THREE-SIDED	SLOPE LENGTH FIXED	40'-0"	12'-0"	7'-4 3/4"	2'-7 1/4"	4'-1 1/4"	22'-4"	10'-5"	1'-7"	1'-7"	2'-0"	5'-0"	69	2.71'	
VC45	THREE-SIDED	SLOPE LENGTH VARIES	45'-0"	12'-0"	6'-8 3/4"	3'-3 3/4"	2'-10 1/4"	22'-2"	13'-1"	1'-8"	1'-8"	2'-6"	4'-6"	68	2.88'	
VC50	THREE-SIDED	SLOPE LENGTH VARIES	50'-0"	12'-0"	6'-1"	3'-11"	2'-2 3/4"	22'-2"	15'-8"	1'-8"	1'-9"	2'-6"	4'-0"	68	3.25'	
VC55	THREE-SIDED	SLOPE LENGTH VARIES	55'-0"	12'-0"	5'-5 1/4"	4'-0 3/4"	1'-0"	22'-2"	18'-3"	1'-9"	1'-10"	3'-0"	4'-0"	72	3.50'	
VC60	THREE-SIDED	SLOPE LENGTH VARIES	60'-0"	12'-0"	4'-9 1/4"	5'-2 3/4"	4 1/2"	22'-2"	20'-11"	1'-9"	2'-0"	3'-0"	3'-6"	66	3.25'	

Bridge Design Engr.	M:\STANDARDS\Buried Structures\BURIED STRUCTURES\8.3_A1_1 Geometrics Table.MAN									
Supervisor										
Designed By										
Checked By										
Detailed By										
Bridge Projects Engr.										
Prelim. Plan By										
Architect/Specialist	DATE	REVISION	BY	APPD						

Mon Jul 10 09:58:58 2023

BRIDGE AND STRUCTURES OFFICE



BURIED STRUCTURES

GEOMETRICS TABLE

BRIDGE SHEET NO.  
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