

SINGLE OPENING BOX CULVERT STRUCTURE DIMENSIONS					GRADE 60 REINFORCING BAR SCHEDULE (BAR SIZE, SPACING AND LENGTH DIMENSIONS)																				
DIM		0-10 FT BURIAL DESIGN FILL "A"			"bb"		"cc"		"dd"		"bb" & "cc" "dd"		"ff"		"hh"				"jj"		"kk"				
SPAN "S" INSIDE	HEIGHT "H" INSIDE	TOP SLAB "TT"	BOTTOM SLAB "TB"	WALLS OUTER "WO"	SIZE	SPACING	SIZE	SPACING	SIZE	SPACING	LENGTH	SIZE	SPACING	LENGTH	SIZE	SPACING	LENGTH	SIZE	SPACING	"CH" LENGTH	"CV" LENGTH	SIZE	STAGGERED SPACING	SIZE	STAGGERED SPACING
4'	2'	7.5"	8.5"	7.5"	#4	12"	#4	6"	#4	6"	4'-11"	#4	12"	2'-11"	#4	6"	25"	25"	#4	6"	#4	6"	#4	6"	
4'	3'	7.5"	8.5"	7.5"	#4	12"	#4	6"	#4	6"	4'-11"	#4	12"	3'-11"	#4	6"	25"	31"	#4	6"	#4	6"	#4	6"	
4'	4'	7.5"	8.5"	7.5"	#4	12"	#4	6"	#4	6"	4'-11"	#4	12"	4'-11"	#4	6"	25"	37"	#4	6"	#4	6"	#4	6"	
6'	2'	7.5"	8.5"	7.5"	#5	12"	#5	6"	#6	6"	6'-11"	#4	12"	2'-11"	#5	6"	30"	26"	#4	6"	#4	6"	#4	6"	
6'	3'	7.5"	8.5"	7.5"	#5	12"	#5	6"	#6	6"	6'-11"	#4	12"	3'-11"	#5	6"	30"	32"	#4	6"	#4	6"	#4	6"	
6'	4'	7.5"	8.5"	7.5"	#5	12"	#5	6"	#6	6"	6'-11"	#4	12"	4'-11"	#5	6"	30"	38"	#4	6"	#4	6"	#4	6"	
6'	5'	7.5"	8.5"	7.5"	#5	12"	#5	6"	#6	6"	6'-11"	#4	12"	5'-11"	#5	6"	30"	44"	#4	6"	#4	6"	#4	6"	
6'	6'	7.5"	8.5"	7.5"	#5	12"	#5	6"	#6	6"	6'-11"	#4	12"	6'-11"	#5	6"	30"	50"	#4	6"	#4	6"	#4	6"	
6'	7'	7.5"	8.5"	7.5"	#5	12"	#5	6"	#6	6"	6'-11"	#4	12"	7'-11"	#5	6"	30"	56"	#4	6"	#4	6"	#4	6"	
8'	4'	9.0"	9.5"	7.5"	#6	12"	#6	6"	#7	6"	8'-11"	#4	12"	5'-1"	#6	6"	36"	41"	#4	6"	#4	6"	#4	6"	
8'	5'	9.0"	9.5"	7.5"	#6	12"	#6	6"	#7	6"	8'-11"	#4	12"	6'-1"	#6	6"	36"	47"	#4	6"	#4	6"	#4	6"	
8'	6'	9.0"	9.5"	7.5"	#6	12"	#6	6"	#7	6"	8'-11"	#4	12"	7'-1"	#6	6"	36"	53"	#4	6"	#4	6"	#4	6"	
8'	7'	9.0"	9.5"	7.5"	#6	12"	#6	6"	#7	6"	8'-11"	#4	12"	8'-1"	#6	6"	36"	59"	#4	6"	#4	6"	#4	6"	
8'	8'	9.0"	9.5"	7.5"	#6	12"	#6	6"	#7	6"	8'-11"	#4	12"	9'-1"	#6	6"	36"	65"	#4	6"	#4	6"	#4	6"	
10'	3'	9.0"	9.5"	7.5"	#7	12"	#8	6"	#8	6"	10'-11"	#4	12"	4'-1"	#7	6"	43"	38"	#4	6"	#4	6"	#4	6"	
10'	4'	9.0"	9.5"	7.5"	#7	12"	#8	6"	#8	6"	10'-11"	#4	12"	5'-1"	#7	6"	43"	44"	#4	6"	#4	6"	#4	6"	
10'	5'	9.0"	9.5"	7.5"	#7	12"	#8	6"	#8	6"	10'-11"	#4	12"	6'-1"	#7	6"	43"	50"	#4	6"	#4	6"	#4	6"	
10'	6'	9.0"	9.5"	7.5"	#7	12"	#8	6"	#8	6"	10'-11"	#4	12"	7'-1"	#7	6"	43"	56"	#4	6"	#4	6"	#4	6"	
10'	7'	9.0"	9.5"	7.5"	#7	12"	#8	6"	#8	6"	10'-11"	#4	12"	8'-1"	#7	6"	43"	62"	#4	6"	#4	6"	#4	6"	
10'	8'	9.5"	10.0"	9.0"	#8	12"	#8	6"	#8	6"	11'-2"	#5	6"	9'-2"	#8	6"	53"	72"	#4	6"	#4	6"	#4	6"	
10'	9'	9.5"	10.0"	9.0"	#8	12"	#8	6"	#8	6"	11'-2"	#5	6"	10'-2"	#8	6"	53"	78"	#4	6"	#4	6"	#4	6"	
10'	10'	9.5"	10.0"	9.0"	#8	12"	#8	6"	#8	6"	11'-2"	#5	6"	11'-2"	#8	6"	53"	84"	#4	6"	#4	6"	#4	6"	
10'	11'	9.5"	10.0"	9.0"	#8	12"	#8	6"	#8	6"	11'-2"	#5	6"	12'-2"	#8	6"	53"	90"	#4	6"	#4	6"	#4	6"	
10'	12'	9.5"	10.0"	9.0"	#8	12"	#8	6"	#8	6"	11'-2"	#5	6"	13'-2"	#8	6"	53"	96"	#4	6"	#4	6"	#4	6"	
12'	6'	10.0"	11.0"	9.5"	#8	12"	#9	6"	#9	6"	13'-3"	#4	6"	7'-4"	#8	6"	56"	61"	#4	6"	#4	6"	#4	6"	
12'	7'	10.0"	11.0"	9.5"	#8	12"	#9	6"	#9	6"	13'-3"	#4	6"	8'-4"	#8	6"	56"	67"	#4	6"	#4	6"	#4	6"	
12'	8'	10.0"	11.0"	9.5"	#8	12"	#9	6"	#9	6"	13'-3"	#4	6"	9'-4"	#8	6"	56"	73"	#4	6"	#4	6"	#4	6"	
12'	9'	10.0"	11.0"	9.5"	#8	12"	#9	6"	#9	6"	13'-3"	#4	6"	10'-4"	#8	6"	56"	79"	#4	6"	#4	6"	#4	6"	
12'	10'	10.0"	11.0"	9.5"	#8	12"	#9	6"	#9	6"	13'-3"	#4	6"	11'-4"	#8	6"	56"	85"	#4	6"	#4	6"	#4	6"	
12'	12'	10.0"	11.0"	9.5"	#8	12"	#9	6"	#9	6"	13'-3"	#4	6"	13'-4"	#8	6"	56"	97"	#4	6"	#4	6"	#4	6"	
14'	8'	11.0"	12.0"	10.5"	#9	12"	#9	6"	#9	6"	15'-5"	#5	6"	9'-6"	#9	6"	101"	79"	#4	6"	#4	6"	#4	6"	
14'	9'	11.0"	12.0"	10.5"	#9	12"	#9	6"	#9	6"	15'-5"	#5	6"	10'-6"	#9	6"	101"	85"	#4	6"	#4	6"	#4	6"	
14'	10'	11.0"	12.0"	10.5"	#9	12"	#9	6"	#9	6"	15'-5"	#5	6"	11'-6"	#9	6"	101"	91"	#4	6"	#4	6"	#4	6"	
14'	11'	11.0"	12.0"	10.5"	#9	12"	#9	6"	#9	6"	15'-5"	#5	6"	12'-6"	#9	6"	101"	97"	#4	6"	#4	6"	#4	6"	
14'	12'	11.0"	12.0"	10.5"	#9	12"	#9	6"	#9	6"	15'-5"	#5	6"	13'-6"	#9	6"	101"	103"	#4	6"	#4	6"	#4	6"	
14'	13'	11.0"	12.0"	10.5"	#9	12"	#9	6"	#9	6"	15'-5"	#5	6"	14'-6"	#9	6"	101"	109"	#4	6"	#4	6"	#4	6"	
14'	14'	11.0"	12.0"	10.5"	#9	12"	#9	6"	#9	6"	15'-5"	#5	6"	15'-6"	#9	6"	101"	115"	#4	6"	#4	6"	#4	6"	

* EXAMPLE OF USE OF THIS TABLE:
PROPOSED STRUCTURE - SINGLE BARREL, 10 FT. SPAN/7 FT. HEIGHT, CBC WITH 2 FT. DEPTH OF COVER.
USE THE FOLLOWING BUILD INFORMATION FROM THE TABLE ABOVE:

DIM		0-10 FT BURIAL DESIGN FILL "A"			"bb"		"cc"		"dd"		"bb" & "dd"		"ff"		"hh"			"jj"		"kk"		
SPAN "S" INSIDE	HEIGHT "H" INSIDE	TOP SLAB "TT"	BOTTOM SLAB "TB"	WALLS OUTER "WO"	SIZE	SPACING	SIZE	SPACING	SIZE	SPACING	LENGTH	SIZE	SPACING	LENGTH	SIZE	SPACING	"CH" LENGTH	"CV" LENGTH	SIZE	STAGGERED SPACING	SIZE	STAGGERED SPACING
10'	7'	9.0"	9.5"	7.5"	#7	12"	#8	6"	#8	6"	10'-11"	#4	12"	8'-1"	#7	6"	43"	62"	#4	6"	#4	6"

RECORD DRAWINGS WERE PREPARED
FROM INFORMATION PROVIDED BY
THE CONTRACTOR

RECORD DRAWING
APRIL 2017

NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING			
CONCRETE BOX CULVERT SINGLE OPENING - DESIGN FILL "A" 0-10 FT DIMENSIONS AND REBAR SCHEDULE			
APPROVED	DESIGN ENGINEER	DATE	APR 9, 2017
DESIGNED BY	TLB	DRAWN BY	SGL
CHECKED BY	HDR		
511-60-2/2			2 OF 2