

| DIMENSIONS | | | | | | | | REINFORCING STEEL | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-------|----------|-------------|---------------------|---------------------|----|---------|-------------------|---------|----|---------|------|-------------|----------|------|-------------|---------|------|-------------|-------------|---------|------|-------------|-------------|------------|---------|------|-------------|---------|------|-------------|---------|
| SPAN | HGHT | T1 | T2 | T3 | T4 | A | B | C | D | E | F | BH1 | | | BH2 | | | BH3 | | | BH4 | | | BV1 | | | BV2 | | | | | |
| (FT.) | (FT.) | TOP SLAB | BOTTOM SLAB | EXTERIOR WALL (IN.) | INTERIOR WALL (IN.) | | | | | | | SIZE | SPACING C-C | LENGTH | SIZE | SPACING C-C | LENGTH | SIZE | SPACING C-C | a | LENGTH | SIZE | SPACING C-C | a | b | LENGTH | SIZE | SPACING C-C | LENGTH | SIZE | SPACING C-C | LENGTH |
| 3 | 3 | 8" | 8" | 8" | 8" | 13 | 13'- 0" | 13 | 13'- 0" | 1 | 1'- 0" | 4 | 12" | 14'- 10" | 4 | 12" | 15'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 1 1/4" | 2'- 8" | 4'- 6" | 4 | 12" | 4'- 0" | 4 | 12" | 4'- 0" |
| 3 | 4 | 8" | 8" | 8" | 8" | 13 | 13'- 0" | 13 | 13'- 0" | 2 | 2'- 0" | 4 | 12" | 14'- 10" | 4 | 12" | 15'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 1 1/4" | 3'- 2" | 5'- 0" | 4 | 12" | 5'- 0" | 4 | 12" | 5'- 0" |
| 4 | 3 | 8" | 8" | 8" | 8" | 17 | 17'- 0" | 17 | 17'- 0" | 1 | 1'- 0" | 4 | 12" | 18'- 5" | 4 | 12" | 19'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 3 5/8" | 2'- 8" | 4'- 8" | 4 | 12" | 4'- 0" | 4 | 12" | 4'- 0" |
| 4 | 4 | 8" | 8" | 8" | 8" | 17 | 17'- 0" | 17 | 17'- 0" | 2 | 2'- 0" | 4 | 12" | 18'- 5" | 4 | 12" | 19'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 3 5/8" | 3'- 2" | 5'- 2" | 4 | 12" | 5'- 0" | 4 | 12" | 5'- 0" |
| 4 | 5 | 8" | 8" | 8" | 8" | 17 | 17'- 0" | 17 | 17'- 0" | 3 | 3'- 0" | 4 | 12" | 18'- 5" | 4 | 12" | 19'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 3 5/8" | 3'- 8" | 5'- 8" | 4 | 12" | 6'- 0" | 4 | 12" | 6'- 0" |
| 4 | 6 | 8" | 8" | 8" | 8" | 17 | 17'- 0" | 17 | 17'- 0" | 4 | 4'- 0" | 4 | 12" | 18'- 5" | 4 | 12" | 19'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 3 5/8" | 4'- 2" | 6'- 2" | 4 | 12" | 7'- 0" | 4 | 12" | 7'- 0" |
| 5 | 3 | 8" | 8" | 8" | 8" | 21 | 21'- 0" | 21 | 21'- 0" | 1 | 1'- 0" | 4 | 12" | 22'- 0" | 4 | 12" | 23'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 6" | 2'- 8" | 4'- 11" | 4 | 12" | 4'- 0" | 4 | 12" | 4'- 0" |
| 5 | 4 | 8" | 8" | 8" | 8" | 21 | 21'- 0" | 21 | 21'- 0" | 2 | 2'- 0" | 4 | 12" | 22'- 0" | 4 | 12" | 23'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 6" | 3'- 2" | 5'- 5" | 4 | 12" | 5'- 0" | 4 | 12" | 5'- 0" |
| 5 | 5 | 8" | 8" | 8" | 8" | 21 | 21'- 0" | 21 | 21'- 0" | 3 | 3'- 0" | 4 | 12" | 22'- 0" | 4 | 12" | 23'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 6" | 3'- 8" | 5'- 11" | 4 | 12" | 6'- 0" | 4 | 12" | 6'- 0" |
| 5 | 6 | 8" | 8" | 8" | 8" | 21 | 21'- 0" | 21 | 21'- 0" | 4 | 4'- 0" | 4 | 12" | 22'- 0" | 4 | 12" | 23'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 6" | 4'- 2" | 6'- 5" | 4 | 12" | 7'- 0" | 4 | 12" | 7'- 0" |
| 5 | 7 | 8" | 8" | 8" | 8" | 21 | 21'- 0" | 21 | 21'- 0" | 5 | 5'- 0" | 4 | 12" | 22'- 0" | 4 | 12" | 23'- 0" | -- | --- | ---- | ---- | 4 | 12" | 2'- 6" | 4'- 8" | 6'- 11" | 4 | 12" | 8'- 0" | 4 | 12" | 8'- 0" |
| 6 | 4 | 8" | 8" | 8" | 8" | 25 | 25'- 0" | 25 | 25'- 0" | 2 | 2'- 0" | 4 | 12" | 25'- 7" | 4 | 12" | 27'- 0" | 4 | 12" | 2'- 8 3/8" | 5'- 2" | 4 | 12" | 2'- 8 3/8" | 3'- 2" | 5'- 7" | 4 | 12" | 5'- 0" | 4 | 12" | 5'- 0" |
| 6 | 5 | 8" | 8" | 8" | 8" | 25 | 25'- 0" | 25 | 25'- 0" | 3 | 3'- 0" | 4 | 12" | 25'- 7" | 4 | 12" | 27'- 0" | 4 | 12" | 2'- 8 3/8" | 5'- 2" | 4 | 12" | 2'- 8 3/8" | 3'- 8" | 6'- 1" | 4 | 12" | 6'- 0" | 4 | 12" | 6'- 0" |
| 6 | 6 | 8" | 8" | 8" | 8" | 25 | 25'- 0" | 25 | 25'- 0" | 4 | 4'- 0" | 4 | 12" | 25'- 7" | 4 | 12" | 27'- 0" | 4 | 12" | 2'- 8 3/8" | 5'- 2" | 4 | 12" | 2'- 8 3/8" | 4'- 2" | 6'- 7" | 4 | 12" | 7'- 0" | 4 | 12" | 7'- 0" |
| 6 | 7 | 8" | 8" | 8" | 8" | 25 | 25'- 0" | 25 | 25'- 0" | 5 | 5'- 0" | 4 | 12" | 25'- 7" | 4 | 12" | 27'- 0" | 4 | 12" | 2'- 8 3/8" | 5'- 2" | 4 | 12" | 2'- 8 3/8" | 4'- 8" | 7'- 1" | 4 | 12" | 8'- 0" | 4 | 12" | 8'- 0" |
| 6 | 8 | 8" | 8" | 8" | 8" | 25 | 25'- 0" | 25 | 25'- 0" | 6 | 6'- 0" | 4 | 12" | 25'- 7" | 4 | 12" | 27'- 0" | 4 | 12" | 2'- 8 3/8" | 5'- 2" | 4 | 12" | 2'- 8 3/8" | 5'- 2" | 7'- 7" | 4 | 12" | 9'- 0" | 4 | 12" | 9'- 0" |
| 7 | 4 | 8" | 8" | 8" | 8" | 29 | 29'- 0" | 29 | 29'- 0" | 2 | 2'- 0" | 4 | 12" | 29'- 2" | 4 | 12" | 31'- 0" | -- | --- | ---- | ---- | 5 | 12" | 2'- 10 3/4" | 3'- 2" | 5'- 9" | 4 | 12" | 5'- 0" | 4 | 12" | 5'- 0" |
| 7 | 6 | 8" | 8" | 8" | 8" | 29 | 29'- 0" | 29 | 29'- 0" | 4 | 4'- 0" | 4 | 12" | 29'- 2" | 4 | 12" | 31'- 0" | -- | --- | ---- | ---- | 5 | 12" | 2'- 10 3/4" | 4'- 2" | 6'- 9" | 4 | 12" | 7'- 0" | 4 | 12" | 7'- 0" |
| 7 | 8 | 8" | 8" | 8" | 8" | 29 | 29'- 0" | 29 | 29'- 0" | 6 | 6'- 0" | 4 | 12" | 29'- 2" | 4 | 12" | 31'- 0" | -- | --- | ---- | ---- | 5 | 12" | 2'- 10 3/4" | 5'- 2" | 7'- 9" | 4 | 12" | 9'- 0" | 4 | 11 1/2" | 9'- 0" |
| 7 | 10 | 8" | 8" | 8" | 8" | 29 | 29'- 0" | 29 | 29'- 0" | 8 | 8'- 0" | 4 | 11" | 29'- 2" | 4 | 11" | 31'- 0" | -- | --- | ---- | ---- | 5 | 11" | 2'- 10 3/4" | 6'- 2" | 8'- 9" | 4 | 12" | 11'- 0" | 4 | 12" | 11'- 0" |
| 8 | 4 | 8 1/4" | 8 1/4" | 8" | 8" | 33 | 33'- 0" | 33 | 33'- 0" | 2 | 2'- 0" | 4 | 11" | 32'- 10" | 4 | 11" | 35'- 0" | 3 | 11" | 3'- 1 1/4" | 6'- 0" | 5 | 11" | 3'- 1 1/4" | 3'- 2 1/4" | 6'- 0" | 4 | 9" | 5'- 0" | 4 | 12" | 5'- 0" |
| 8 | 6 | 8 1/2" | 8 1/2" | 8" | 8" | 33 | 33'- 0" | 33 | 33'- 0" | 4 | 4'- 0" | 4 | 11" | 32'- 10" | 4 | 11" | 35'- 0" | -- | --- | ---- | ---- | 5 | 11" | 3'- 1 1/4" | 4'- 2 1/2" | 7'- 0" | 4 | 12" | 7'- 1" | 4 | 12" | 7'- 1" |
| 8 | 8 | 8 1/2" | 8 1/2" | 8" | 8" | 33 | 33'- 0" | 33 | 33'- 0" | 6 | 6'- 0" | 4 | 10" | 32'- 10" | 4 | 10" | 35'- 0" | -- | --- | ---- | ---- | 5 | 10" | 3'- 1 1/4" | 5'- 2 1/2" | 8'- 0" | 4 | 12" | 9'- 1" | 4 | 12" | 9'- 1" |
| 8 | 10 | 8 3/4" | 8 3/4" | 8" | 8" | 33 | 33'- 0" | 33 | 33'- 0" | 8 | 8'- 0" | 4 | 9" | 32'- 10" | 4 | 9" | 35'- 0" | -- | --- | ---- | ---- | 5 | 9" | 3'- 1 1/4" | 6'- 2 3/4" | 9'- 0" | 4 | 12" | 11'- 2" | 4 | 12" | 11'- 2" |
| 9 | 4 | 9" | 9" | 8" | 8" | 37 | 37'- 0" | 37 | 37'- 0" | 2 | 2'- 0" | 5 | 9" | 36'- 5" | 4 | 9" | 39'- 0" | 3 | 9" | 3'- 3 5/8" | 6'- 5" | 5 | 9" | 3'- 3 5/8" | 3'- 3" | 6'- 3" | 4 | 8" | 5'- 2" | 4 | 12" | 5'- 2" |
| 9 | 6 | 9 1/4" | 9 1/4" | 8" | 8" | 37 | 37'- 0" | 37 | 37'- 0" | 4 | 4'- 0" | 5 | 9" | 36'- 5" | 4 | 9" | 39'- 0" | -- | --- | ---- | ---- | 5 | 9" | 3'- 3 5/8" | 4'- 3 1/4" | 7'- 3" | 4 | 12" | 7'- 2" | 4 | 12" | 7'- 2" |
| 9 | 8 | 9 1/2" | 9 1/2" | 8" | 8" | 37 | 37'- 0" | 37 | 37'- 0" | 6 | 6'- 0" | 5 | 9" | 36'- 5" | 4 | 9" | 39'- 0" | 4 | 9" | 3'- 3 5/8" | 6'- 4" | 4 | 9" | 3'- 3 5/8" | 5'- 3 1/2" | 8'- 4" | 4 | 12" | 9'- 3" | 4 | 12" | 9'- 3" |
| 9 | 10 | 9 1/2" | 9 1/2" | 8" | 8" | 37 | 37'- 0" | 37 | 37'- 0" | 8 | 8'- 0" | 5 | 9" | 36'- 5" | 5 | 9" | 39'- 0" | -- | --- | ---- | ---- | 5 | 9" | 3'- 3 5/8" | 6'- 3 1/2" | 9'- 3" | 4 | 12" | 11'- 3" | 4 | 12" | 11'- 3" |
| 9 | 12 | 9 3/4" | 9 3/4" | 8" | 8" | 37 | 37'- 0" | 37 | 37'- 0" | 10 | 10'- 0" | 4 | 8" | 36'- 5" | 4 | 8" | 39'- 0" | 4 | 8" | 3'- 3 5/8" | 6'- 4" | 5 | 8" | 3'- 3 5/8" | 7'- 3 3/4" | 10'- 3" | 4 | 8" | 13'- 3" | 4 | 12" | 13'- 3" |
| 10 | 4 | 9 3/4" | 9 3/4" | 8" | 8" | 41 | 41'- 0" | 41 | 41'- 0" | 2 | 2'- 0" | 5 | 8" | 40'- 0" | 4 | 8" | 43'- 0" | -- | --- | ---- | ---- | 5 | 8" | 3'- 6" | 3'- 3 3/4" | 6'- 6" | 4 | 7" | 5'- 3" | 4 | 12" | 5'- 3" |
| 10 | 6 | 10" | 10" | 8" | 8" | 41 | 41'- 0" | 41 | 41'- 0" | 4 | 4'- 0" | 5 | 8" | 40'- 0" | 4 | 8" | 43'- 0" | -- | --- | ---- | ---- | 5 | 8" | 3'- 6" | 4'- 4" | 7'- 6" | 4 | 11 1/2" | 7'- 4" | 4 | 12" | 7'- 4" |
| 10 | 8 | 10 1/4" | 10 1/4" | 8" | 8" | 41 | 41'- 0" | 41 | 41'- 0" | 6 | 6'- 0" | 5 | 8" | 40'- 0" | 4 | 8" | 43'- 0" | 4 | 8" | 3'- 6" | 6'- 9" | 4 | 8" | 3'- 6" | 5'- 4 1/4" | 8'- 7" | 4 | 12" | 9'- 5" | 4 | 12" | 9'- 5" |
| 10 | 10 | 10 1/4" | 10 1/4" | 8" | 8" | 41 | 41'- 0" | 41 | 41'- 0" | 8 | 8'- 0" | 5 | 8" | 40'- 0" | 5 | 8" | 43'- 0" | -- | --- | ---- | ---- | 5 | 8" | 3'- 6" | 6'- 4 1/4" | 9'- 6" | 4 | 12" | 11'- 5" | 4 | 12" | 11'- 5" |
| 10 | 12 | 10 1/2" | 10 1/2" | 8" | 8" | 41 | 41'- 0" | 41 | 41'- 0" | 10 | 10'- 0" | 5 | 10" | 40'- 0" | 5 | 10" | 43'- 0" | 3 | 10" | 3'- 6" | 6'- 10" | 6 | 10" | 3'- 6" | 7'- 4 1/2" | 10'- 6" | 4 | 9" | 13'- 5" | 4 | 12" | 13'- 5" |
| 12 | 6 | 11 3/4" | 11 3/4" | 8" | 8" | 49 | 49'- 0" | 49 | 49'- 0" | 4 | 4'- 0" | 6 | 12" | 47'- 2" | 6 | 12" | 51'- 0" | 3 | 12" | 3'- 10 3/4" | 7'- 7" | 6 | 12" | 3'- 10 3/4" | 4'- 5 3/4" | 8'- 0" | 4 | 10" | 7'- 8" | 4 | 10" | 7'- 8" |
| 12 | 8 | 11 3/4" | 11 3/4" | 8" | 8" | 49 | 49'- 0" | 49 | 49'- 0" | 6 | 6'- 0" | 6 | 11" | 47'- 2" | 6 | 11" | 51'- 0" | -- | --- | ---- | ---- | 6 | 11" | 3'- 10 3/4" | 5'- 5 3/4" | 9'- 0" | 4 | 12" | 9'- 8" | 4 | 12" | 9'- 8" |
| 12 | 10 | 12" | 12" | 8" | 8" | 49 | 49'- 0" | 49 | 49'- 0" | 8 | 8'- 0" | 6 | 9" | 47'- 2" | 5 | 9" | 51'- 0" | 3 | 9" | 3'- 10 3/4" | 7'- 7" | 5 | 9" | 3'- 10 3/4" | 6'- 6" | 10'- 1" | 4 | 12" | 11'- 8" | 4 | 12" | 11'- 8" |
| 12 | 12 | 12 1/4" | 12 1/4" | 8" | 8" | 49 | 49'- 0" | 49 | 49'- 0" | 10 | 10'- 0" | 6 | 9" | 47'- 2" | 5 | 9" | 51'- 0" | -- | --- | ---- | ---- | 6 | 9" | 3'- 10 3/4" | 7'- 6 1/4" | 11'- 0" | 4 | 10 1/2" | 13'- 9" | 4 | 12" | 13'- 9" |

QUADRUPLE BOX CULVERTS

5 TO 10 FT. FILLS