



| QUANTITIES FOR CONCRETE PIPES | |
|-------------------------------|---|
| INSIDE DIAMETER OF PIPE | ESTIMATED CLASS SI CONCRETE REQUIRED 20" WIDTH CU.YD. |
| INCH | |
| 4" | 0.14 |
| 6" | 0.16 |
| 8" | 0.19 |
| 10" | 0.22 |
| 12" | 0.25 |
| 15" | 0.30 |
| 18" | 0.35 |
| 24" | 0.45 |
| 30" | 0.57 |
| 36" | 0.69 |
| 42" | 0.83 |
| 48" | 0.97 |
| 54" | 1.12 |
| 60" | 1.28 |

| QUANTITIES FOR METAL PIPES | |
|----------------------------|---|
| INSIDE DIAMETER OF PIPE | ESTIMATED CLASS SI CONCRETE REQUIRED 20" WIDTH CU.YD. |
| INCH | |
| 4" | 0.12 |
| 6" | 0.14 |
| 8" | 0.16 |
| 10" | 0.19 |
| 12" | 0.21 |
| 15" | 0.25 |
| 18" | 0.29 |
| 24" | 0.38 |
| 30" | 0.47 |
| 36" | 0.59 |
| 42" | 0.69 |
| 48" | 0.81 |
| 54" | 0.93 |
| 60" | 1.05 |

GENERAL NOTES:

- CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
- WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIMENSIONS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIMENSION. (SEE END VIEW)
- THE WIRE MESH SHALL WEIGHT NOT LESS THAN 54 POUNDS PER 100 SQ. FT.
- WHEN CONCRETE COLLARS ARE CONSTRUCTED AJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
- CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, CU. YD., FOR CONCRETE COLLAR INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.
- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.