

# 33 05 Common Work Results for Utilities

## 33 05 61 – Concrete Manholes

| 33 05 61.10 Storm Drainage Manholes, Frames and Covers |   | Crew   | Daily Output | Labor-Hours | Unit   | Material | 2022 Bare Costs |           | Total    | Total Incl O&P |
|--|---|--------|--------------|-------------|--------|----------|-----------------|-----------|----------|----------------|
|  |   |        |              |             |        |          | Labor           | Equipment |          |                |
| 0500   | 6' deep   | D-1    | 1            | 16          | Ea.    | 590      | 800             |           | 1,390    | 1,850          |
| 0600   | 8' deep   | D-1    | .70          | 22.857      | Ea.    | 720      | 1,150           |           | 1,870    | 2,525          |
| 0700   | For depths over 8', add                             | "      | 5.50         | 2.909       | V.L.F. | 68.50    | 146             |           | 214.50   | 295            |
| 0800   | Concrete, cast in place, 4' x 4', 8" thick, 4' deep | C-14H  | 2            | 24          | Ea.    | 790      | 1,325           | 13.90     | 2,128.90 | 2,850          |
| 0900   | 6' deep   |        | 1.50         | 32          |        | 1,150    | 1,750           | 18.55     | 2,918.55 | 3,900          |
| 1000   | 8' deep   |        | 1            | 48          | ↓      | 1,650    | 2,650           | 28        | 4,328    | 5,750          |
| 1100   | For depths over 8', add                             | ↓      | 8            | 6           | V.L.F. | 186      | 330             | 3.48      | 519.48   | 700            |
| 1110   | Precast, 4' ID, 4' deep                             | B-22   | 4.10         | 7.317       | Ea.    | 1,025    | 390             | 63.50     | 1,478.50 | 1,775          |
| 1120   | 6' deep   |        | 3            | 10          |        | 1,200    | 530             | 86.50     | 1,816.50 | 2,225          |
| 1130   | 8' deep   |        | 2            | 15          | ↓      | 2,125    | 800             | 130       | 3,055    | 3,675          |
| 1140   | For depths over 8', add                             | ↓      | 16           | 1.875       | V.L.F. | 119      | 100             | 16.25     | 235.25   | 298            |
| 1150   | 5' ID, 4' deep                                      | B-6    | 3            | 8           | Ea.    | 2,100    | 395             | 110       | 2,605    | 3,000          |
| 1160   | 6' deep   |        | 2            | 12          |        | 3,625    | 595             | 164       | 4,384    | 5,025          |
| 1170   | 8' deep   |        | 1.50         | 16          | ↓      | 3,075    | 790             | 219       | 4,084    | 4,800          |
| 1180   | For depths over 8', add                             |        | 12           | 2           | V.L.F. | 525      | 99              | 27.50     | 651.50   | 750            |
| 1190   | 6' ID, 4' deep                                      |        | 2            | 12          | Ea.    | 2,325    | 595             | 164       | 3,084    | 3,625          |
| 1200   | 6' deep   |        | 1.50         | 16          |        | 5,125    | 790             | 219       | 6,134    | 7,050          |
| 1210   | 8' deep   |        | 1            | 24          | ↓      | 6,000    | 1,175           | 330       | 7,505    | 8,725          |
| 1220   | For depths over 8', add                             | ↓      | 8            | 3           | V.L.F. | 475      | 148             | 41        | 664      | 785            |
| 1250   | Slab tops, precast, 8" thick                        |        |              |             |        |          |                 |           |          |                |
| 1300   | 4' diameter manhole                                 | B-6    | 8            | 3           | Ea.    | 190      | 148             | 41        | 379      | 475            |
| 1400   | 5' diameter manhole                                 |        | 7.50         | 3.200       |        | 325      | 158             | 44        | 527      | 645            |
| 1500   | 6' diameter manhole                                 | ↓      | 7            | 3.429       |        | 700      | 169             | 47        | 916      | 1,075          |
| 3800   | Steps, heavyweight cast iron, 7" x 9"               | 1 Bric | 40           | .200        |        | 17.90    | 11.05           |           | 28.95    | 36.5           |
| 3900   | 8" x 9"   |        | 40           | .200        |        | 21.50    | 11.05           |           | 32.55    | 40             |
| 3928   | 12" x 10-1/2"                                       |        | 40           | .200        |        | 63       | 11.05           |           | 74.05    | 86             |
| 4000   | Standard sizes, galvanized steel                    |        | 40           | .200        |        | 25       | 11.05           |           | 36.05    | 44             |
| 4100   | Aluminum  |        | 40           | .200        |        | 32       | 11.05           |           | 43.05    | 51.5           |
| 4150   | Polyethylene  |        | 40           | .200        |        | 34       | 11.05           |           | 45.05    | 54             |

## 33 05 63 – Concrete Vaults and Chambers

### 33 05 63.13 Precast Concrete Utility Structures

|      |   |      |      |        |     |       |       |       |       |        |
|------|---|------|------|--------|-----|-------|-------|-------|-------|--------|
| 0010 | PRECAST CONCRETE UTILITY STRUCTURES, 6" thick |      |      |        |     |       |       |       |       |        |
| 0050 | 5' x 10' x 6' high, ID                        | B-13 | 2    | 28     | Ea. | 1,975 | 1,400 | 1,050 | 4,425 | 5,400  |
| 0100 | 6' x 10' x 6' high, ID                        |      | 2    | 28     |     | 2,050 | 1,400 | 1,050 | 4,500 | 5,500  |
| 0150 | 5' x 12' x 6' high, ID                        |      | 2    | 28     |     | 2,175 | 1,400 | 1,050 | 4,625 | 5,625  |
| 0200 | 6' x 12' x 6' high, ID                        |      | 1.80 | 31.111 |     | 2,450 | 1,550 | 1,175 | 5,175 | 6,250  |
| 0250 | 6' x 13' x 6' high, ID                        |      | 1.50 | 37.333 |     | 3,200 | 1,850 | 1,400 | 6,450 | 7,800  |
| 0300 | 8' x 14' x 7' high, ID                        | ↓    | 1    | 56     | ↓   | 3,450 | 2,775 | 2,100 | 8,325 | 10,200 |
| 0350 | Hand hole, precast concrete, 1-1/2" thick     |      |      |        |     |       |       |       |       |        |
| 0400 | 1'-0" x 2'-0" x 1'-9", ID, light duty         | B-1  | 4    | 6      | Ea. | 440   | 278   |       | 718   | 900    |
| 0450 | 4'-6" x 3'-2" x 2'-0", OD, heavy duty         | B-6  | 3    | 8      | "   | 2,050 | 395   | 110   | 2,555 | 2,950  |

## 33 05 97 – Identification and Signage for Utilities

### 33 05 97.05 Utility Connection

|      |   |      |   |    |     |       |       |     |       |       |
|------|---|------|---|----|-----|-------|-------|-----|-------|-------|
| 0010 | UTILITY CONNECTION                                  |      |   |    |     |       |       |     |       |       |
| 0020 | Water, sanitary, stormwater, gas, single connection | B-14 | 1 | 48 | Ea. | 3,050 | 2,300 | 330 | 5,680 | 7,125 |
| 0030 | Telecommunication                                   | "    | 3 | 16 | "   | 415   | 765   | 110 | 1,290 | 1,725 |

### 33 05 97.10 Utility Accessories

|      |   |        |     |      |        |   |      |  |      |     |
|------|---|--------|-----|------|--------|---|------|--|------|-----|
| 0010 | UTILITY ACCESSORIES   |        |     |      |        |   |      |  |      |     |
| 0400 | Underground tape, detectable, reinforced, alum. foil core, 2" | 1 Clab | 150 | .053 | C.L.F. | 2 | 2.43 |  | 4.43 | 5.8 |