

# SUMMARY OF QUANTITIES

CONTINUED ON SHEET NO 24

## STRUCTURES UNDER 20' SPAN

| NO            | STATION | TYPE        | SIZE  | LENGTH | EXCAV. CU. YDS. | VIT. PIPE 12" (Lin. Ft.) | VIT. PIPE ENC. 12" (Lin. Ft.) | REINF. CONC. PIPE 30" (Lin. Ft.) | VIT. DOUBLE T. ENC. |         |         | CONCRETE 1-5 1/2 CU. YDS. | REINF. STEEL LBS. | STONE MASONRY REMOVED CU. YDS. | REMARKS  |
|---------------|---------|-------------|-------|--------|-----------------|--------------------------|-------------------------------|----------------------------------|---------------------|---------|---------|---------------------------|-------------------|--------------------------------|--|
|               |         |             |       |        |                 |                          |                               |                                  | 12"x4"              | 12"x12" | 18"x12" |                           |                   |                                |  |
| 1             | 47+38   | V.P. (enc.) | 12"   | 40'    | 9.0             | 2                        | 36                            |                                  |                     | 2       |         |                           |                   |                                | Build Sta 12" enc. V.P. culvert with necessary fittings for D.T. connections |
| 2             | 50+95   | "           | 12"   | 42'    | 15.0            |                          | 38                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 3             | 55+0    | "           | 12"   | 40'    | 8.5             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 4             | 58+50   | "           | 12"   | 40'    | 8.0             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 5             | 63+25   | "           | 12"   | 40'    | 8.0             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 6             | 69+70   | "           | 12"   | 40'    | 9.5             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 7             | 73+50   | "           | 12"   | 40'    | 9.4             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 8             | 78+00   | "           | 12"   | 40'    | 7.6             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 9             | 80+75   | "           | 12"   | 40'    | 9.2             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 10            | 86+0    | "           | 12"   | 40'    | 8.8             |                          | 40                            |                                  |                     |         |         |                           |                   |                                |  |
| 11            | 87+50   | "           | 12"   | 40'    | 8.0             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 12            | 89+80   | "           | 12"   | 40'    | 8.4             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 13            | 93+0    | "           | 12"   | 40'    | 8.2             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 14            | 96+0    | "           | 12"   | 40'    | 8.4             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 15            | 98+0    | "           | 12"   | 40'    | 7.8             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 16            | 101+50  | "           | 12"   | 40'    | 7.4             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 17            | 105+75  | "           | 12"   | 40'    | 8.2             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 18            | 109+50  | "           | 12"   | 40'    | 8.4             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 19            | 113+41  | R.C.P.      | 30"   | 60'    | 7.0             |                          |                               | 60                               |                     |         | 4.6     | 125                       | 10                |                                | Build Sta 30" R.C.P. clean out 100' L  |
| 20            | 116+0   | V.P. (enc.) | 12"   | 40'    | 7.8             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                | Build Sta 12" enc. V.P. culvert with necessary fittings for D.T. connections |
| 21            | 119+50  | "           | 12"   | 40'    | 6.8             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                | Build Sta 12" enc. V.P. culvert with necessary fittings for D.T. connections |
| 22            | 123+21  | conc. box   | 5'x4' | 14'    | 22.0            |                          |                               |                                  |                     |         | 16.0    | 857                       | 15                |                                | Build Sta 5'x4' conc. box with necessary fittings for D.T. connections       |
| 23            | 127+25  | V.P. (enc.) | 12"   | 40'    | 7.8             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                | Build Sta 12" enc. V.P. culvert with necessary fittings for D.T. connections |
| 24            | 130+0   | "           | 12"   | 40'    | 7.4             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 25            | 133+0   | "           | 12"   | 40'    | 7.8             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 26            | 136+0   | "           | 12"   | 40'    | 7.0             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 27            | 154+0   | "           | 12"   | 42'    | 9.0             |                          | 42                            |                                  |                     |         |         |                           |                   |                                |  |
| 28            | 156+0   | "           | 12"   | 40'    | 12.0            |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 29            | 158+38  | "           | 12"   | 40'    | 9.6             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 30            | 161+0   | "           | 12"   | 40'    | 10.0            |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 31            | 163+25  | "           | 12"   | 40'    | 11.0            |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 32            | 165+75  | "           | 12"   | 40'    | 9.2             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 33            | 168+50  | "           | 12"   | 40'    | 9.5             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 34            | 171+25  | "           | 12"   | 40'    | 8.6             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| 35            | 173+70  | "           | 12"   | 40'    | 9.8             |                          | 36                            |                                  |                     | 2       |         |                           |                   |                                |  |
| <b>TOTALS</b> |         |             |       |        | 320.1           | 2                        | 1200                          | 60                               | 16                  | 1       | 2       | 46                        | 20.6              | 982                            | 25   |

## SUMMARY OF DRAIN TILE

| FROM STA.     | TO STA. | FOR    | SQ. YDS. | DEDUCTIONS |
|---------------|---------|--------|----------|------------|
| 1+27          | 32+0    |        | 2960     |            |
| 1+30          | 32+0    |        | 3026     |            |
| 1+27          | 32+0    | 3100 L |          |            |
| 1+30          | 32+0    | 3220 R |          |            |
| 32+85         | 64+0    |        | 2988     |            |
| 32+85         | 64+0    | 3016 L |          |            |
| 32+0          | 64+0    | 3200 R |          |            |
| 63+25         | 64+0    |        | 74       |            |
| 32+0          | 50+90   |        | 1870     |            |
| 64+0          | 96+0    |        | 3174     |            |
| 64+0          | 96+0    | 3190 L |          |            |
| 64+0          | 96+0    | 3190 R |          |            |
| 64+0          | 69+70   |        | 570      |            |
| 80+75         | 86+0    |        | 523      |            |
| 96+0          | 128+0   |        | 3180     |            |
| 96+0          | 128+0   | 3186 L |          |            |
| 96+0          | 98+0    |        | 200      |            |
| 96+0          | 128+0   | 3186 R |          |            |
| 138+82        | 144+35  |        | 544      |            |
| 128+0         | 144+35  |        | 1614     |            |
| 156+0         | 160+0   |        | 396      |            |
| 156+0         | 160+0   | 398 L  |          |            |
| 156+0         | 160+0   | 330 R  |          |            |
| 173+70        | 176+25  |        | 254      |            |
| 160+0         | 176+25  | 1545 L |          |            |
| 160+0         | 176+25  | 1480 R |          |            |
| 160+0         | 176+25  | 1545 L |          |            |
| <b>TOTALS</b> |         |        |          |            |

## SUMMARY OF 10'-8" X 8" REINF. CONC. PAVEMENT

| FROM STA.      | TO STA.   | FOR             | SQ. YDS. | DEDUCTIONS |
|----------------|-----------|-----------------|----------|------------|
| 0+67           | 176+52.18 | entire length   | 39078.2  |            |
| 24+67.5        | 25+82.5   | existing int.   |          | 116.4      |
| 28+32.5        | 29+16.5   | "               |          | 93.3       |
| 31+98          | 32+83.3   | "               |          | 94.8       |
| 35+64.5        | 36+62.3   | "               |          | 108.7      |
| 144+34.84      | 155+68.46 | proposed subway |          | 2519.2     |
| 157+66.51      | 158+28    | existing int.   |          | 39.1       |
| 165+06         | 165+71.5  | "               |          | 101.2      |
| 170+55         | 171+16    | "               |          | 30.0       |
| 176+0          | 176+52.18 | "               |          | 116.0      |
| <b>TOTALS</b>  |           |                 | 39078.2  | 3218.7     |
| <b>DEDUCT</b>  |           |                 | 3218.7   |            |
| <b>TOTAL =</b> |           |                 | 35,859.5 |            |

## SUMMARY OF 10'-8" X 10" REINF. CONC. PAVEMENT

| FROM STA. | TO STA.   | FOR          | SQ. YDS. |
|-----------|-----------|--------------|----------|
| 123+21.21 | 144+34.84 | center strip | 3992.4   |

## SUMMARY OF 8" CONCRETE

| FROM STA.      | TO STA.   | FOR           | SQ. YDS. | DEDUCTIONS |
|----------------|-----------|---------------|----------|------------|
| 0+67           | 176+52.18 | entire length | 3907.8   |            |
| 24+67.5        | 25+82.5   | existing int. |          | 12.8       |
| 28+32.5        | 29+16.5   | "             |          | 9.3        |
| 31+98          | 32+83.3   | "             |          | 9.5        |
| 35+64.5        | 36+62.3   | "             |          | 10.9       |
| 144+34.84      | 155+68.46 | prop. subway  |          | 251.9      |
| 157+66.51      | 158+28    | existing int. |          | 6.8        |
| 165+06         | 165+71.5  | "             |          | 14.5       |
| 170+55         | 171+16    | "             |          | 6.8        |
| 175+40         | 176+52.18 | "             |          | add 89.0   |
| <b>TOTALS</b>  |           |               | 3996.8   | 322.5      |
| <b>DEDUCT</b>  |           |               | 322.5    |            |
| <b>TOTAL =</b> |           |               | 3674.3   |            |

## SUMMARY OF INTEGRAL CONC. RAISED CURB

| FROM STA.        | TO STA.   | FOR           | LIN. FT. | ADD. | DEDUCT |
|------------------|-----------|---------------|----------|------|--------|
| 0+67             | 176+52.18 | entire length | 35170    |      |        |
| 24+67.5          | 25+82.5   | Intersection  |          |      | 105    |
| 28+32.5          | 29+16.5   | "             |          |      | 84     |
| 31+98            | 32+83.3   | "             |          |      | 85     |
| 35+64.5          | 36+62.3   | "             |          |      | 98     |
| 123+21.21        | 144+34.84 | "             |          |      | 349    |
| 144+34.84        | 155+68.46 | prop. subway  |          |      | 2267   |
| 157+66.51        | 158+28    | Intersection  |          |      | 14     |
| 165+06           | 165+71.5  | "             |          |      | 80     |
| 170+55           | 171+16    | "             |          |      | 14     |
| 176+0            | 176+52.18 | "             |          |      | 29     |
| <b>TOTALS</b>    |           |               | 35170    | 29   | 3096   |
| <b>ADDITION</b>  |           |               | 29       |      |        |
| <b>DEDUCTION</b> |           |               | 3096     |      |        |
| <b>TOTAL</b>     |           |               | 32103    |      |        |

## SUMMARY OF BITUMINOUS SURFACE (T-5, T-6 or T-13)

| FROM STA.        | TO STA.   | FOR              | SQ. YDS. | ADDITION | DEDUCTION |
|------------------|-----------|------------------|----------|----------|-----------|
| 0+67             | 176+52.18 | entire length    | 33,216.5 |          |           |
| 24+67.5          | 25+82.5   | Intersection     |          |          | 209.8     |
| 28+32.5          | 29+16.5   | "                |          |          | 163.0     |
| 31+98            | 32+83.3   | "                |          |          | 162.4     |
| 35+64.5          | 36+62.3   | "                |          |          | 173.5     |
| 123+21.21        | 144+34.84 | 10'x8" 10' conc. |          |          | 3992.4    |
| 144+34.84        | 148+70    | 36' width        |          |          | 918.7     |
| 148+70           | 149+65    | N.Y.C. R.R.      |          |          | 179.4     |
| 149+65           | 150+60    | 36' width        |          |          | 200.6     |
| 150+60           | 151+15    | N.Y.C. R.R.      |          |          | 104.0     |
| 151+15           | 155+68.46 | 36' width        |          |          | 957.3     |
| 157+66.51        | 158+28    | Intersection     |          |          | 108.0     |
| 165+06           | 165+71.5  | "                |          |          | 235.8     |
| 170+55           | 171+16    | "                |          |          | 109.7     |
| 175+40           | 176+52.18 | "                |          |          | 166.0     |
| <b>TOTALS</b>    |           |                  | 33,216.5 | 3404.8   | 4275.8    |
| <b>ADDITION</b>  |           |                  | 3404.8   |          |           |
| <b>DEDUCTION</b> |           |                  | 4275.8   |          |           |
| <b>TOTAL</b>     |           |                  | 32,345.5 |          |           |

## SUMMARY OF INLET BASINS

| STATION       | REBUILT | PLUGGED BY CEMENTING OR USING VIT. PIPE STOPPERS |
|---------------|---------|--|
| 1+30          |         |  |
| 1+27          |         |  |
| 3+54          |         |  |
| 4+34          |         |  |
| 6+0           |         |  |
| 7+85          |         |  |
| 10+60         |         |  |
| 10+57         |         |  |
| 12+90         |         |  |
| 14+32         |         |  |
| 14+32         |         |  |
| 15+78         |         |  |
| 16+75         |         |  |
| 17+80         |         |  |
| 18+70         |         |  |
| 20+65         |         |  |
| 21+12         |         |  |
| 23+63         |         |  |
| 25+70         |         |  |
| 30+50         |         |  |
| 32+55         |         |  |
| 32+85         |         |  |
| 38+75         |         |  |
| 39+10         |         |  |
| 39+10         |         |  |
| 41+03         |         |  |
| 43+98         |         |  |
| 50+68         |         |  |
| 50+90         |         |  |
| 69+70         |         |  |
| 86+0          |         |  |
| 74+50         | Left    | 1182   |
| 87+50         | Right   | 308  |
| 98+0          |         | 1790   |
| 116+0         |         | 128+0  |
| 128+0         |         | 138+52   |
| 160+0         |         | 173+70   |
| <b>TOTALS</b> |         |  |

## SUMMARY OF 8" W.B. MACADAM BASE

| FROM STA.     | TO STA.   | FOR           | SQ. YDS. | DEDUCTION |
|---------------|-----------|---------------|----------|-----------|
| 144+34.84     | 155+68.46 | entire length | 4660.4   |           |
| 146+0         | 147+0     | existing par. |          | 166.7     |
| 148+70        | 149+65    | N.Y.C. R.R.   |          | 390.5     |
| 150+60        | 151+15    | N.Y.C. R.R.   |          | 226.1     |
| 152+50        | 155+68.46 | existing par. |          | 530.7     |
| <b>TOTALS</b> |           |               | 4660.4   | 1472.3    |
| <b>DEDUCT</b> |           |               | 1472.3   |           |
| <b>TOTAL</b>  |           |               | 3188.1   |           |

## SUMMARY RAISED CURB REM. SUMMARY RAISED CURB RESET

| STA.           | FOR          | LIN. FT. | STA.      | FOR          | LIN. FT. |
|----------------|--------------|----------|-----------|--------------|----------|
| 157+           | Intersection | 16       | 25+       | Intersection | 30       |
| 165+           | "            | 16       | 32+       | "            | 6        |
| 170+           | "            | 16       | 36+       | "            | 23       |
| 176+           | "            | 92       | 165+      | "            | 8        |
| <b>TOTAL =</b> |              |          | <b>67</b> |              |          |

## SUMMARY OF EXCAVATION & EMBANKMENT

| FROM STA. | TO STA. | EXCAVATION | EMBANKMENT | EMB.+15% | WASTE |
|-----------|---------|------------|------------|----------|-------|
| 0+67      | 10      | 481.3      | 286.6      | 329.6    | 151.7 |
| 10        | 14      | 164.1      | 125.2      | 144.0    | 20.1  |
| 14        | 28      | 584.6      | 498.0      | 572.7    | 11.9  |
| 28        | 32+80   | 171.2      | 145.1      | 166.9    | 4.3   |
| 32+80     | 45      | 556.3      | 483.3      | 555.8    | 0.5   |
| 45        | 52+50   | 403.0      | 329.5      | 378.9    | 24.1  |
| 52+50     | 62      | 610.6      | 212.5      | 244.4    | 366.2 |
| 62        | 66      | 218.9      | 177.3      | 203.9    | 15.0  |
| 66        | 74      | 428.0      | 347.0      | 399.0    | 29.0  |
| 74        | 83+25   |            |            |          |       |