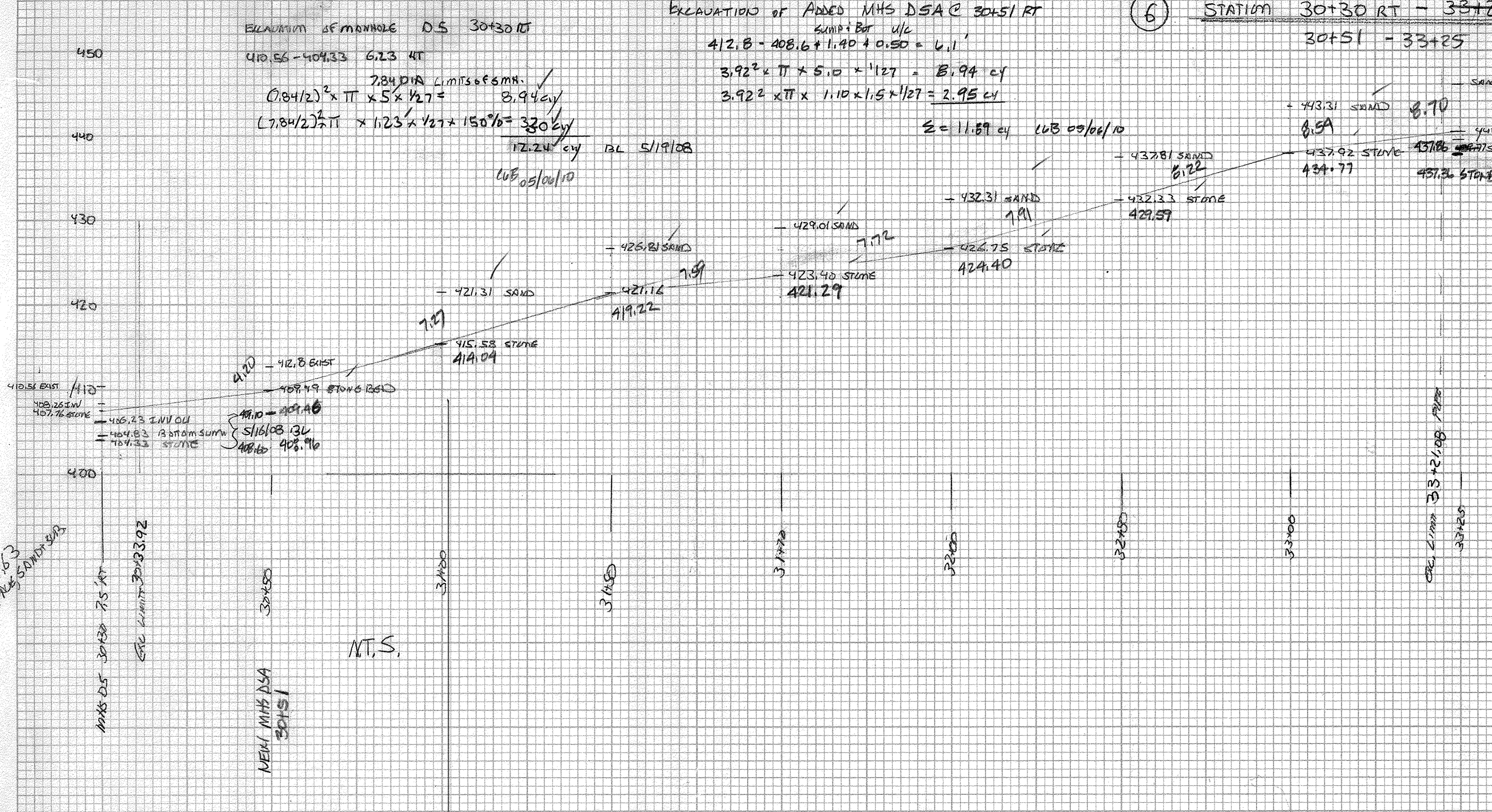


STATION 30+30 RT - 33+25 RT  
 30+51 - 33+25  
 O/S 7.5'



| ITEM     | 209.20 | TRENCH EXCAVATION OF EARTH FOR PIPE | DEPTH | WIDTH | LENGTH | CY     | FACTOR 15 | CY     | 150%   |
|----------|--------|-------------------------------------|-------|-------|--------|--------|-----------|--------|--------|
| 30+33.92 | 2.8    | 3.28                                | 3.28  | 3.28  | 3.28   | 5.92   | 5.92      | 5.92   | 4.60   |
| 30+50    | 4.20   | 3.28                                | 3.28  | 3.28  | 3.28   | 5.92   | 5.92      | 5.92   | 4.60   |
| 31+00    | 3.85   | 4.52                                | 5.56  | 0.56  | 3.28   | 27.20  | 27.38     | 27.38  | 22.14  |
| 31+50    | 7.91   | 5.89                                | 7.43  | 2.43  | 3.28   | 39.09  | 39.09     | 39.09  | 30.37  |
| 31+70    | 7.17   | 5.43                                | 7.65  | 2.22  | 3.28   | 12.04  | 12.04     | 12.04  | 9.65   |
| 32+00    | 7.91   | 5.89                                | 7.43  | 2.43  | 3.28   | 18.06  | 18.06     | 18.06  | 15.42  |
| 32+50    | 5.52   | 5.52                                | 6.06  | 3.06  | 3.28   | 30.09  | 30.09     | 30.09  | 27.08  |
| 33+00    | 5.52   | 5.44                                | 6.36  | 3.36  | 3.28   | 30.09  | 30.09     | 30.09  | 30.80  |
| 3321.08  | 5.70   | 5.84                                | 6.67  | 3.67  | 3.28   | 12.69  | 12.69     | 12.69  | 10.15  |
|          |        |                                     |       |       |        | 21.08  | 21.08     | 21.08  | 16.76  |
|          |        |                                     |       |       |        | 189.75 | 189.75    | 189.75 | 150.00 |

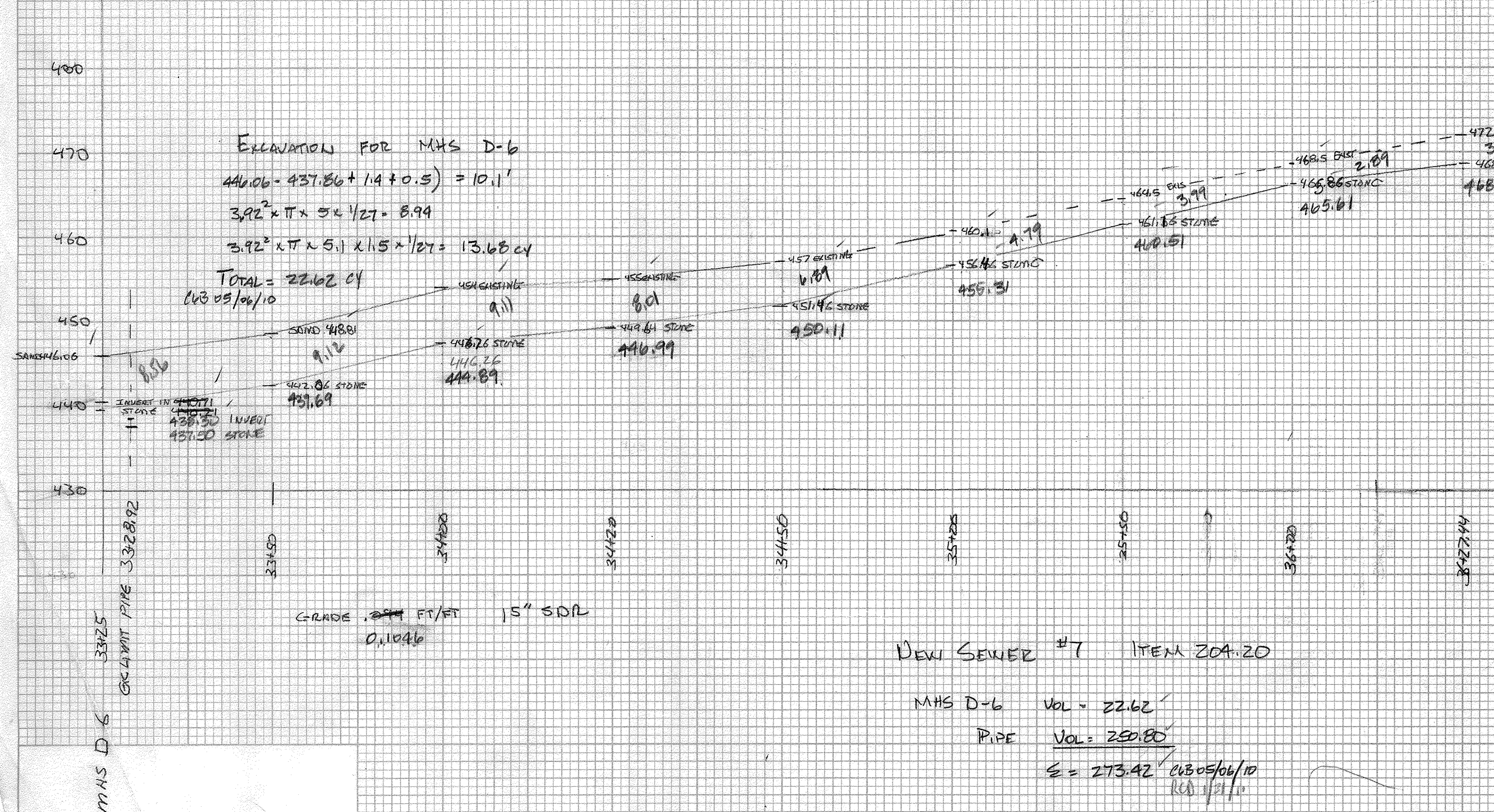
ITEM 209.20 TRENCH EXCAVATION - BASED ON SHOP DRAWING  
 ITEM 209.30 GRANULAR BACKFILL STRUCTURE UNDER MHS DS  
 PIPE: 30x30 - 33+25  
 (2.8716 x 5.5 + 1 + 5.1) x 3.28 x 1.13 x 1.27 = 39.83 cy  
 39.83 cy

NEW SEWER #6 ITEM 209.20

30+30 MHS D-5 VOL = 12.29 cy  
 30+51 MHS D-5A VOL = 11.89 cy  
 30+30 - 33+25 PIPE VOL = 292.95 cy  
 Σ = 317.13 cy  
 CUB 05/06/10  
 REC 1/21/11

CPH 1/29/08

STATION 33+25 O/S 7.5 RT TO 36+40 O/S 7.5 RT  
 (MHS D6)



| ITEM     | 209.20 | TRENCH EXCAVATION OF EARTH FOR PIPE | DEPTH | WIDTH | LENGTH | CY     | FACTOR 15 | CY     | 150%   |
|----------|--------|-------------------------------------|-------|-------|--------|--------|-----------|--------|--------|
| 33+28.72 | 5.25   | 6.23                                | 6.85  | 5     | 3.28   | 21.08  | 12.69     | 12.69  | 10.15  |
| 33+50    | 9.12   | 7.25                                | 7.44  | 5     | 3.28   | 21.08  | 12.69     | 12.69  | 10.15  |
| 34+00    | 7.74   | 8.56                                | 6.55  | 5     | 3.28   | 20.31  | 12.04     | 12.04  | 9.65   |
| 34+20    | 8.01   | 7.15                                | 5.45  | 5     | 3.28   | 20     | 18.06     | 18.06  | 15.42  |
| 34+50    | 6.89   | 5.84                                | 4.59  | 4.59  | 3.28   | 2.44   | 2.44      | 2.44   | 1.95   |
| 35+00    | 4.79   | 4.37                                | 3.49  | 3.49  | 3.28   | 2.763  | 2.763     | 2.763  | 2.21   |
| 35+50    | 3.99   | 3.44                                | 2.99  | 2.99  | 3.28   | 21.00  | 21.00     | 21.00  | 16.80  |
| 36+00    | 2.89   | 3.04                                | 3.15  | 3.15  | 3.28   | 18.00  | 18.00     | 18.00  | 14.40  |
| 36+27.44 | 3.14   | 2.80                                | 2.88  | 2.88  | 3.28   | 27.44  | 10.40     | 10.40  | 8.32   |
| 36+36.08 | 2.60   | 2.60                                | 2.60  | 2.60  | 3.28   | 3.00   | 3.00      | 3.00   | 2.40   |
|          |        |                                     |       |       |        | 126.21 | 126.21    | 126.21 | 101.37 |

NEW SEWER #7 ITEM 209.20

MHS D-6 VOL = 22.62  
 PIPE VOL = 230.80  
 Σ = 253.42  
 CUB 05/06/10  
 REC 1/21/11

ITEM 209.20 TRENCH EXCAVATION FOR MHS D6 TO BE BASED ON SHOP DRAWING  
 ITEM 209.30 GRANULAR BACKFILL FOR STRUCTURES  
 (3.0716 x 5.5 + 1 + 5.1) x 3.28 x 1.13 x 1.27 = 42.19 cy  
 42.19 cy

CPH 1/29/08  
 HARTFORD ST 0113(40)  
 SEWER SECTIONS

|     |      |
|-----|------|
| NO. | DATE |
| NO. | DATE |
| NO. | DATE |
| NO. | DATE |

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| NO. | DATE |
| NO. | DATE |
| NO. | DATE |

1743804  
 PD BOUANE  
 9/26/08  
 CUB 05/06/10

SHEET  
 250.80  
 164.54  
 164.54 + 250.80 = 415.34  
 415.34 - 164.54 = 250.80  
 REC 1/21/11