

COMPUTED BY: H.W. BARE DATE: 09/24/04
 CHECKED BY: D.C. KEENER DATE: 09/29/04



PROJECT NO. SHEET NO.
 R-2539C 3-Y

**STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS**



Greenhome & O'Mara, Inc.
 5565 Centerview Drive, Suite 107
 Raleigh, NC 27606

**SUMMARY OF EARTHWORK
 IN CUBIC METERS**

| STATION | TO | STATION | UNCL. EXC. | UNDERCUT | ROADWAY EMB + % | BORROW | WASTE |
|------------------|----|---------------|------------|----------|-----------------|--------|--------|
| SUMMARY #1 | | | | | | | |
| -L-155+43.630 | TO | -L-166+00.000 | 16,420 | 10,458 | 20,593 | 4,173 | 10,458 |
| SUMMARY #1 TOTAL | | | 16,420 | 10,458 | 20,593 | 4,173 | 10,458 |
| SUMMARY #2 | | | | | | | |
| -L-166+00.000 | TO | -L-176+00.000 | 1,683 | 364 | 9,901 | 8,218 | 364 |
| -Y-10+35.000 | TO | -Y-11+19.107 | 252 | | 134 | | 118 |
| -Y-12+02.091 | TO | -Y-12+90.000 | 165 | | 68 | | 97 |
| SUMMARY #2 TOTAL | | | 2,100 | 364 | 10,103 | 8,218 | 579 |
| SUMMARY #3 | | | | | | | |
| -L-176+00.000 | TO | -L-186+00.000 | 14,196 | 3,906 | 12,295 | | 5,807 |
| SUMMARY #3 TOTAL | | | 14,196 | 3,906 | 12,295 | | 5,807 |
| SUMMARY #4 | | | | | | | |
| -L-186+00.000 | TO | -L-196+00.000 | 6,531 | | 23,745 | 17,214 | |
| -Y2-11+75.000 | TO | -Y2-12+57.072 | 19 | | 2,086 | 2,067 | |
| -Y3-10+30.701 | TO | -Y3-11+05.000 | 237 | | 125 | | 112 |
| -Y4-10+80.000 | TO | -Y4-11+18.978 | 86 | | 28 | | 58 |
| -Y4-11+77.056 | TO | -Y4-12+20.000 | 214 | | 10 | | 204 |
| -Y5-10+20.000 | TO | -Y5-10+82.019 | 164 | | 69 | | 95 |
| -Y5-11+44.826 | TO | -Y5-11+90.000 | 54 | | 298 | 244 | |
| SUMMARY #4 TOTAL | | | 7,305 | | 26,361 | 19,525 | 469 |
| SUMMARY #5 | | | | | | | |
| -L-196+00.000 | TO | -L-206+00.000 | 13,846 | 12,833 | 54,923 | 41,077 | 12,833 |
| -Y7-10+60.000 | TO | -Y7-10+87.082 | 14 | | 31 | 17 | |
| -Y7-11+60.371 | TO | -Y7-12+00.000 | | | 166 | 166 | |
| -Y8-12+02.771 | TO | -Y8-12+35.500 | 26 | | 45 | 19 | |
| -Y9-10+05.000 | TO | -Y9-10+64.659 | 201 | | 575 | 374 | |
| SUMMARY #5 TOTAL | | | 14,087 | 12,833 | 55,740 | 41,653 | 12,833 |

| STATION | TO | STATION | UNCL. EXC. | UNDERCUT | ROADWAY EMB + % | BORROW | WASTE |
|---|----|----------------|------------|----------|-----------------|---------|--------|
| SUMMARY #6 | | | | | | | |
| -L-206+00.000 | TO | -L-216+00.000 | 1,475 | 613 | 8,980 | 7,505 | 613 |
| -Y10-10+31.881 | TO | -Y10-10+85.000 | 156 | | 49 | | 107 |
| -Y14-10+20.000 | TO | -Y14-10+66.407 | 16 | | 133 | 117 | |
| SUMMARY #6 TOTAL | | | 1,647 | 613 | 9,162 | 7,622 | 720 |
| SUMMARY #7 | | | | | | | |
| -L-216+00.000 | TO | -L-226+00.000 | 543 | | 7,328 | 6,785 | |
| -Y16-10+30.595 | TO | -Y16-10+75.000 | 51 | | 71 | 20 | |
| -Y18-10+28.838 | TO | -Y18-11+00.000 | 210 | | 149 | | 61 |
| SUMMARY #7 TOTAL | | | 804 | | 7,548 | 6,805 | 61 |
| SUMMARY #8 | | | | | | | |
| -L-226+00.000 | TO | -L-236+91.618 | 744 | | 3,763 | 3,019 | |
| -Y19-10+27.147 | TO | -Y19-11+40.000 | 270 | | 298 | 28 | |
| -Y20-10+13.000 | TO | -Y20-10+73.378 | 74 | | 16 | | 58 |
| -Y21-10+25.787 | TO | -Y21-10+76.000 | 24 | | 30 | 6 | |
| -Y22-10+48.000 | TO | -Y22-10+73.692 | 22 | | 9 | | 13 |
| -Y23-10+93.317 | TO | -Y23-11+40.000 | 88 | | 45 | | 43 |
| SUMMARY #8 TOTAL | | | 1,222 | | 4,161 | 3,053 | 114 |
| SUBTOTAL | | | 57,781 | 28,174 | 145,963 | 91,049 | 31,041 |
| EARTH WASTE TO REPLACE BORROW | | | | | | | |
| | | | | | | -2,867 | -2,867 |
| EST. SHOULDER MATERIAL | | | | | | | |
| | | | | | | 10,188 | 10,188 |
| SELECT GRANULAR MATERIAL IN LIEU OF BORROW | | | | | | | |
| | | | | | | -18,000 | |
| SELECT MATERIAL, CLASS III, IN LIEU OF BORROW | | | | | | | |
| | | | | | | -16,500 | |
| ADDITIONAL UNDERCUT | | | | | | | |
| | | | | 1,000 | 1,250 | 1,250 | 1,000 |
| PROJECT TOTAL | | | 57,781 | 29,174 | 157,401 | 65,120 | 29,174 |
| EST. 5% FOR REPLACING TOPSOIL ON BORROW PITS | | | | | | | |
| | | | | | | 3,256 | |
| GRAND TOTAL | | | 57,781 | 29,174 | 157,401 | 68,375 | 29,174 |
| SAY | | | 57,800 | 29,200 | | 68,400 | |