

**Norton Public Schools Master Plan**  
**Option F-1 Schematic Cost Estimate - 10/08/2019**  
**Gale JN: 718090**



|   |       |              |
|---|-------|--------------|
| 8-Lane Track and Synthetic Turf Field Construction  | \$    | 2,812,068    |
| Synthetic Turf MPR, Softball, Baseball Construction | \$    | 4,431,316    |
| Synthetic Turf Baseball & MPR Field Construction    | \$    | 1,664,293    |
| Tennis Courts Construction                          | \$    | 341,500      |
|   |       |              |
|   | Total | \$ 9,249,176 |



| Norton Public Schools Master Plan  |  |      |          |               |               |  |
|--|--|------|----------|---------------|---------------|--|
| Option F-1 Schematic Cost Estimate- Synthetic Turf MPR, Baseball, Softball Field Construction - 10/08/2019 |  |      |          |               |               |  |
| Gale JN: 718090  |  |      |          |               |               |  |
| ITEM   | DESCRIPTION  | UNIT | QUANTITY | UNIT COST     | COST          | TOTAL COST   |
| <b>1</b>   | <b>GENERAL CONDITIONS</b>                              |      |          |               |               | <b>\$ 395,371.27</b>                                     |
| a  | Bonds and Insurance (2 %)                              | LS   | 1        | \$ 64,228.55  | \$ 64,228.55  |  |
| b  | General Conditions (10 %)                              | LS   | 1        | \$ 321,142.73 | \$ 321,142.73 |  |
| c  | Mobilization / Demobilization                          | LS   | 1        | \$ 10,000.00  | \$ 10,000.00  |  |
| <b>2</b>   | <b>EROSION CONTROL / SITE PREPARATION / DEMOLITION</b> |      |          |               |               | <b>\$ 16,500.00</b>                                      |
| a  | Silt Fence   | LF   | 1,000    | \$ 5.00       | \$ 5,000.00   |  |
| b  | Temporary Construction Entrance (Assume 8" of Stone)   | LS   | 1        | \$ 1,500.00   | \$ 1,500.00   |  |
| c  | Temporary Construction Fencing                         | LS   | 1        | \$ 10,000.00  | \$ 10,000.00  |  |
| <b>3</b>   | <b>Synthetic MPR Field</b>                             |      |          |               |               | <b>\$ 1,915,187.25</b>                                   |
| a  | Strip and Haul Unscreened Topsoil (12" assumed)        | CY   | 8052     | \$ 12.00      | \$ 96,628.00  | 217,413 SF   |
| b  | Prepare sub-base, shape and compact                    | SY   | 24157    | \$ 2.25       | \$ 54,353.25  | Area of proposed field                                   |
| c  | Crushed Stone Base under Field (10")                   | TON  | 10,065   | \$ 36.00      | \$ 362,355.00 |  |
| d  | Cast in place Concrete Curb                            | LF   | 2011     | \$ 32.00      | \$ 64,352.00  |  |
| e  | Geotextile Separation Layer                            | SY   | 24157    | \$ 2.00       | \$ 48,314.00  |  |
| f  | 12" Perf. HDPE   | LF   | 1170     | \$ 24.00      | \$ 28,080.00  |  |
| g  | Flat panel drains                                      | LF   | 3240     | \$ 4.00       | \$ 12,960.00  |  |
| h  | Cleanouts (Nyloplast CB's)                             | EA   | 6        | \$ 1,800.00   | \$ 10,800.00  |  |
| i  | Outlet Control Structures                              | EA   | 1        | \$ 3,500.00   | \$ 3,500.00   |  |
| j  | Infilled Synthetic Turf Product                        | SF   | 217413   | \$ 3.00       | \$ 652,239.00 | Crumb rubber assumed. Alternative infill approx. +\$300k |
| k  | Infilled Synthetic Turf Installation                   | SF   | 217413   | \$ 1.00       | \$ 217,413.00 |  |
| l  | Shock Pad  | SF   | 217413   | \$ 1.00       | \$ 217,413.00 |  |
| m  | Turf Striping  | EA   | 3        | \$ 7,000.00   | \$ 21,000.00  | Soccer, Men's Lacrosse, Women's Lacrosse                 |
| n  | 4' High Perimeter Fence                                | LF   | 2062     | \$ 35.00      | \$ 72,170.00  |  |
| o  | 4' High Pedestrian Gate in 4' CLF                      | EA   | 4        | \$ 600.00     | \$ 2,400.00   |  |
| p  | 12' Wide CLF Gates in 4' CLF                           | EA   | 2        | \$ 1,200.00   | \$ 2,400.00   |  |
| q  | 16' Slide Gate   | EA   | 1        | \$ 1,700.00   | \$ 1,700.00   |  |
| r  | MP Field Scoreboard                                    | LS   | 1        | \$ 35,000.00  | \$ 35,000.00  |  |
| s  | Soccer Goals (with wheel kit)                          | EA   | 2        | \$ 2,675.00   | \$ 5,350.00   |  |
| t  | Lacrosse Goals (with wheel kit)                        | EA   | 2        | \$ 1,380.00   | \$ 2,760.00   |  |
| u  | Players Benches  | PR   | 2        | \$ 2,000.00   | \$ 4,000.00   |  |
| <b>4</b>   | <b>Softball Fixtures</b>                               |      |          |               |               | <b>\$ 123,860.00</b>                                     |
| a  | 25' Backstop   | LS   | 1        | \$ 20,000.00  | \$ 20,000.00  |  |
| b  | 20' Safety Netting                                     | LF   | 326      | \$ 60.00      | \$ 19,560.00  |  |
| c  | Temporary Outfield Fence                               | LF   | 270      | \$ 90.00      | \$ 24,300.00  |  |
| d  | Dugouts  | EA   | 2        | \$ 20,000.00  | \$ 40,000.00  |  |
| e  | 15' Foul Poles   | Set  | 1        | \$ 5,000.00   | \$ 5,000.00   |  |
| f  | 55'x15' Single Batting Tunnel/Bullpen                  | EA   | 1        | \$ 15,000.00  | \$ 15,000.00  |  |
| <b>5</b>   | <b>Baseball Fixtures</b>                               |      |          |               |               | <b>\$ 195,880.00</b>                                     |
| a  | Baseball 30' Backstop                                  | LS   | 1        | \$ 30,000.00  | \$ 30,000.00  |  |
| b  | Dugout   | EA   | 2        | \$ 25,000.00  | \$ 50,000.00  |  |
| c  | 20' Foul Pole with wing                                | EA   | 2        | \$ 970.00     | \$ 1,940.00   |  |
| d  | Safety Netting   | LF   | 520      | \$ 60.00      | \$ 31,200.00  |  |
| e  | Temporary Outfield Fence                               | LF   | 386      | \$ 90.00      | \$ 34,740.00  |  |
| f  | Portable Pitchers Mound                                | LS   | 1        | \$ 18,000.00  | \$ 18,000.00  |  |
| g  | 75'x15' Double Batting Tunnel/Bullpen                  | EA   | 1        | \$ 30,000.00  | \$ 30,000.00  |  |
| <b>6</b>   | <b>Athletic Field Lighting</b>                         |      |          |               |               | <b>\$960,000.00</b>                                      |
| a  | Musco Lighting   | EA   | 9        | \$90,000.00   | \$810,000.00  |  |
| b  | MUSCO Athletic Field Lighting Electrical               | LS   | 1        | \$150,000.00  | \$150,000.00  |  |
| <b>7</b>   | <b>Bleacher Seating</b>                                |      |          |               |               | <b>\$ 56,820.00</b>                                      |
| a  | Concrete Pad   | SF   | 966      | \$ 20.00      | \$ 19,320.00  |  |
| b  | Portable Bleachers (Track & Synthetic Turf Field)      | SEAT | 150      | \$ 250.00     | \$ 37,500.00  |  |
| <b>8</b>   | <b>Walkways</b>  |      |          |               |               | <b>\$ 91,733.65</b>                                      |
| a  | Strip and Haul Unscreened Topsoil (10" assumed)        | CY   | 549      | \$ 12.00      | \$ 6,592.59   | 17,800 SF  |
| b  | Prepare sub-base, shape and compact                    | SY   | 614      | \$ 1.50       | \$ 920.69     | Area accounts for all walkways,                          |
| c  | Gravel Base  | TON  | 824      | \$ 35.00      | \$ 28,842.59  |  |
| d  | Pavement (1.5" Binder Course, 1.5" Wearing Course)     | SY   | 1,978    | \$ 28.00      | \$ 55,377.78  |  |
|  |  |      |          |               |               | <b>SUBTOTAL: \$ 3,755,352.17</b>                         |
|  |  |      |          |               |               | <b>SOFT COSTS (8%): \$ 300,428.17</b>                    |
|  |  |      |          |               |               | <b>CONTINGENCY (10%): \$ 375,535.22</b>                  |
|  |  |      |          |               |               | <b>TOTAL: \$ 4,431,315.56</b>                            |

| Norton Public Schools Master Plan   |  |      |          |               |               |  |
|---|--|------|----------|---------------|---------------|--|
| Option F-1 Schematic Cost Estimate- Synthetic Turf Baseball & MPR Field Construction - 10/08/2019 |  |      |          |               |               |  |
| Gale JN: 718090   |  |      |          |               |               |  |
| ITEM  | DESCRIPTION  | UNIT | QUANTITY | UNIT COST     | COST          | TOTAL COST   |
| <b>1</b>  | <b>GENERAL CONDITIONS</b>                              |      |          |               |               | <b>\$ 157,252.34</b>                                     |
| a   | Bonds and Insurance (2 %)                              | LS   | 1        | \$ 24,542.06  | \$ 24,542.06  |  |
| b   | General Conditions (10 %)                              | LS   | 1        | \$ 122,710.28 | \$ 122,710.28 |  |
| c   | Mobilization / Demobilization                          | LS   | 1        | \$ 10,000.00  | \$ 10,000.00  |  |
| <b>2</b>  | <b>EROSION CONTROL / SITE PREPARATION / DEMOLITION</b> |      |          |               |               | <b>\$ 16,500.00</b>                                      |
| a   | Silt Fence   | LF   | 1,000    | \$ 5.00       | \$ 5,000.00   |  |
| b   | Temporary Construction Entrance (Assume 8" of Stone)   | LS   | 1        | \$ 1,500.00   | \$ 1,500.00   |  |
| c   | Temporary Construction Fencing                         | LS   | 1        | \$ 10,000.00  | \$ 10,000.00  |  |
| <b>3</b>  | <b>Synthetic MPR Field</b>                             |      |          |               |               | <b>\$ 1,093,222.83</b>                                   |
| a   | Strip and Haul Unscreened Topsoil (12" assumed)        | CY   | 4346     | \$ 12.00      | \$ 52,153.78  | 117,346 SF   |
| b   | Prepare sub-base, shape and compact                    | SY   | 13038    | \$ 2.25       | \$ 29,336.50  | Area of proposed field                                   |
| c   | Crushed Stone Base under Field (10")                   | TON  | 5,433    | \$ 36.00      | \$ 195,576.67 |  |
| d   | Cast in place Concrete Curb                            | LF   | 1317     | \$ 32.00      | \$ 42,144.00  |  |
| e   | Geotextile Separation Layer                            | SY   | 13038    | \$ 2.00       | \$ 26,076.89  |  |
| f   | 12" Perf. HDPE   | LF   | 1140     | \$ 24.00      | \$ 27,360.00  |  |
| g   | Flat panel drains                                      | LF   | 3000     | \$ 4.00       | \$ 12,000.00  |  |
| h   | Cleanouts (Nyloplast CB's)                             | EA   | 3        | \$ 1,800.00   | \$ 5,400.00   |  |
| i   | Outlet Control Structures                              | EA   | 1        | \$ 3,500.00   | \$ 3,500.00   |  |
| j   | Infilled Synthetic Turf Product                        | SF   | 117346   | \$ 3.00       | \$ 352,038.00 | Crumb rubber assumed. Alternative infill approx. +\$300k |
| k   | Infilled Synthetic Turf Installation                   | SF   | 117346   | \$ 1.00       | \$ 117,346.00 |  |
| l   | Shock Pad  | SF   | 117346   | \$ 1.00       | \$ 117,346.00 |  |
| m   | Turf Striping  | EA   | 2        | \$ 7,000.00   | \$ 14,000.00  | Soccer, Men's Lacrosse, Women's Lacrosse                 |
| n   | 4' High Perimeter Fence                                | LF   | 1247     | \$ 35.00      | \$ 43,645.00  |  |
| o   | 4' High Pedestrian Gate in 4' CLF                      | EA   | 4        | \$ 600.00     | \$ 2,400.00   |  |
| p   | 12' Wide CLF Gates in 4' CLF                           | EA   | 2        | \$ 1,200.00   | \$ 2,400.00   |  |
| q   | 16' Slide Gate   | EA   | 1        | \$ 1,700.00   | \$ 1,700.00   |  |
| r   | MP Field Scoreboard                                    | LS   | 1        | \$ 35,000.00  | \$ 35,000.00  |  |
| s   | Soccer Goals (with wheel kit)                          | EA   | 2        | \$ 2,675.00   | \$ 5,350.00   |  |
| t   | Field Hockey Goals (with wheel kit)                    | EA   | 2        | \$ 2,225.00   | \$ 4,450.00   |  |
| u   | Players Benches  | PR   | 2        | \$ 2,000.00   | \$ 4,000.00   |  |
| <b>4</b>  | <b>Baseball Fixtures</b>                               |      |          |               |               | <b>\$ 117,380.00</b>                                     |
| a   | Baseball 30' Backstop                                  | LS   | 1        | \$ 30,000.00  | \$ 30,000.00  |  |
| b   | 20' Foul Pole with wing                                | EA   | 2        | \$ 970.00     | \$ 1,940.00   |  |
| c   | Safety Netting   | LF   | 624      | \$ 60.00      | \$ 37,440.00  |  |
| d   | Portable Pitchers Mound                                | LS   | 1        | \$ 18,000.00  | \$ 18,000.00  |  |
| e   | 75'x15' Double Batting Tunnel/Bullpen                  | EA   | 1        | \$ 30,000.00  | \$ 30,000.00  |  |
| <b>5</b>  | <b>Bleacher Seating</b>                                |      |          |               |               | <b>\$ 18,940.00</b>                                      |
| a   | Concrete Pad   | SF   | 322      | \$ 20.00      | \$ 6,440.00   |  |
| b   | Portable Bleachers (Track & Synthetic Turf Field)      | SEAT | 50       | \$ 250.00     | \$ 12,500.00  |  |
| <b>6</b>  | <b>Walkways</b>  |      |          |               |               | <b>\$ 7,122.24</b>                                       |
| a   | Strip and Haul Unscreened Topsoil (10" assumed)        | CY   | 43       | \$ 12.00      | \$ 511.85     | 1,382 SF   |
| b   | Prepare sub-base, shape and compact                    | SY   | 48       | \$ 1.50       | \$ 71.48      | Area accounts for all walkways,                          |
| c   | Gravel Base  | TON  | 64       | \$ 35.00      | \$ 2,239.35   |  |
| d   | Pavement (1.5" Binder Course, 1.5" Wearing Course)     | SY   | 154      | \$ 28.00      | \$ 4,299.56   |  |
|   |  |      |          |               |               | <b>SUBTOTAL: \$ 1,410,417.42</b>                         |
|   |  |      |          |               |               | <b>SOFT COSTS (8%): \$ 112,833.39</b>                    |
|   |  |      |          |               |               | <b>CONTINGENCY (10%): \$ 141,041.74</b>                  |
|   |  |      |          |               |               | <b>TOTAL: \$ 1,664,292.55</b>                            |



| Norton Public Schools Master Plan   |  |      |          |              |               |   |         |
|---|--|------|----------|--------------|---------------|---|---------|
| Option F-1 Schematic Cost Estimate- Tennis Court Construction -10/08/2019 |  |      |          |              |               |   |         |
| Gale JN: 718090   |  |      |          |              |               |   |         |
| ITEM  | DESCRIPTION  | UNIT | QUANTITY | UNIT COST    | COST          | TOTAL COST                              | REMARKS |
| <b>1</b>  | <b>GENERAL CONDITIONS</b>                              |      |          |              |               | <b>\$ 38,200.00</b>                     |         |
| a   | Bonds and Insurance (2 %)                              | LS   | 1        | \$ 4,700.00  | \$ 4,700.00   |   |         |
| b   | General Conditions (10 %)                              | LS   | 1        | \$ 23,500.00 | \$ 23,500.00  |   |         |
| c   | Mobilization / Demobilization                          | LS   | 1        | \$ 10,000.00 | \$ 10,000.00  |   |         |
| <b>2</b>  | <b>EROSION CONTROL / SITE PREPARATION / DEMOLITION</b> |      |          |              |               | <b>\$ 10,000.00</b>                     |         |
| a   | Silt Fence   | LF   | 1,000    | \$ 5.00      | \$ 5,000.00   |   |         |
| c   | Temporary Construction Fencing                         | LS   | 1        | \$ 5,000.00  | \$ 5,000.00   |   |         |
| <b>3</b>  | <b>Tennis Courts</b>                                   |      |          |              |               | <b>\$ 225,000.00</b>                    |         |
| a   | Tennis Courts  | EA   | 5        | \$ 45,000.00 | \$ 225,000.00 |   |         |
|   |  |      |          |              |               | <b>SUBTOTAL: \$ 273,200.00</b>          |         |
|   |  |      |          |              |               | <b>SOFT COSTS (10%): \$ 27,320.00</b>   |         |
|   |  |      |          |              |               | <b>CONTINGENCY (15 %): \$ 40,980.00</b> |         |
|   |  |      |          |              |               | <b>TOTAL: \$ 341,500.00</b>             |         |