

**Norton Public Schools Master Plan**  
**Option A Schematic Cost Estimate - 07/31/2019**  
**Gale JN: 718090**



Track and Field Reconstruction	\$	2,245,261
Synthetic Turf MPR, Softball, Baseball Construction	\$	4,344,794
Amenities Building & Covered Pavilion Construction	\$	988,978
Tennis Courts Construction	\$	421,496
Additional Parking	\$	302,699
Synthetic Turf "Pit Field" Reconstruction	\$	1,083,485
	Total	\$ 9,386,713

Norton Public Schools Master Plan							
Option A Schematic Cost Estimate- Natural Turf Field and Track Reconstruction - 07/31/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
<b>1</b>	<b>GENERAL CONDITIONS</b>					<b>\$ 212,796.05</b>	
a	Bonds and Insurance (2 %)	LS	1	\$ 33,799.34	\$ 33,799.34		
b	General Conditions (10 %)	LS	1	\$ 168,996.71	\$ 168,996.71		
c	Mobilization / Demobilization	LS	1	\$ 10,000.00	\$ 10,000.00		
<b>2</b>	<b>EROSION CONTROL / SITE PREPARATION / DEMOLITION</b>					<b>\$ 15,250.00</b>	
a	Silt Fence	LF	750	\$ 5.00	\$ 3,750.00		
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>Track Reconstruction</b>					<b>\$ 221,085.00</b>	
a	Misc. Demolition	LS	1	\$ 10,000.00	\$ 10,000.00		40,217 SF
b	Track surfacing (BSS-100 Urethane)	SY	4469	\$ 45.00	\$ 201,085.00		
c	Track Lines / Markings	LS	1	\$ 10,000.00	\$ 10,000.00		
<b>4</b>	<b>Track D-Area Construction</b>					<b>\$ 244,380.65</b>	
a	Strip and Haul Unscreened Topsoil	CY	742	\$ 16.00	\$ 11,876.74		20,042 SF
b	Prepare sub-base, shape and compact	SY	2227	\$ 2.00	\$ 4,453.78		
c	Aggregate Base Course (Dense Grade, 10")	TON	928	\$ 35.00	\$ 32,475.46		
d	Pavement (1.5" Binder course and 1.5" Wearing Course)	SY	2227	\$ 25.00	\$ 55,672.22		
e	Track surfacing (BSS-100 Urethane)	SY	2227	\$ 41.00	\$ 91,302.44		
f	Cast in place Concrete Curb with ACO 2000	LF	516	\$ 70.00	\$ 36,120.00		
g	Cast in place Concrete Curb	LF	390	\$ 32.00	\$ 12,480.00		
<b>5</b>	<b>Natural MPR Field (Within Track)</b>					<b>\$ 578,393.87</b>	
a	Strip and Haul Unscreened Topsoil (12" assumed)	CY	2964	\$ 16.00	\$ 47,423.41		80,027 SF
b	Prepare sub-base, shape and compact	SY	8892	\$ 2.25	\$ 20,006.75		
c	Gravel Base under Field (4")	TON	1482	\$ 35.00	\$ 51,869.35		
d	Place and amend root zone materials (8")	CY	1976	\$ 27.00	\$ 53,351.33		
e	Geotextile Separation Layer	SY	8892	\$ 2.00	\$ 17,783.78		
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	4	\$ 1,800.00	\$ 7,200.00		
i	Outlet Control Structures	EA	1	\$ 3,500.00	\$ 3,500.00		
j	Irrigation- Tap to existing main	LS	1	\$ 6,000.00	\$ 6,000.00		
k	Irrigation System and controller	Zone	16	\$ 2,500.00	\$ 40,000.00		
l	Fine Grade and Sod	SF	80,027	\$ 1.75	\$ 140,047.25		
m	Turf Establishment Requirements	LS	1	\$ 10,000.00	\$ 10,000.00		
n	4' High Perimeter Fence (around track)	LF	1511	\$ 32.00	\$ 48,352.00		
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	16' Safety Netting	LF	240	\$ 100.00	\$ 24,000.00		
s	MP Field Scoreboard (at track)	LS	1	\$ 35,000.00	\$ 35,000.00		
t	Goalposts	LS	1	\$ 24,000.00	\$ 24,000.00		
u	Players Benches	PR	2	\$ 2,000.00	\$ 4,000.00		
<b>6</b>	<b>Athletic Field Lighting</b>					<b>\$435,000.00</b>	
a	Musco Lighting	EA	4	\$90,000.00	\$360,000.00		
b	MUSCO Athletic Field Lighting Electrical	LS	1	\$75,000.00	\$75,000.00		
<b>7</b>	<b>Bleacher Seating</b>					<b>\$ 94,700.00</b>	
a	Concrete Pad	SF	1,610	\$ 20.00	\$ 32,200.00		
b	Portable Bleachers (Track & Synthetic Turf Field)	SEAT	250	\$ 250.00	\$ 62,500.00		
<b>8</b>	<b>Walkways</b>					<b>\$ 101,157.59</b>	
a	Prepare sub-base, shape and compact	SY	439	\$ 1.50	\$ 657.88		12,719 SF
b	Gravel Base	TON	589	\$ 35.00	\$ 20,609.49		14,329 SF
c	Pavement (1.5" Binder Course, 1.5" Wearing Course)	SY	1,413	\$ 28.00	\$ 39,570.22		(walkway + bleacher pad)
d	4' High Perimeter Fence (around walkway)	LF	1260	\$ 32.00	\$ 40,320.00		
<b>SUBTOTAL:</b>						<b>\$ 1,902,763.16</b>	
<b>SOFT COSTS (8%):</b>						<b>\$ 152,221.05</b>	
<b>CONTINGENCY (10 %):</b>						<b>\$ 190,276.32</b>	
<b>TOTAL:</b>						<b>\$ 2,245,260.53</b>	

Norton Public Schools Master Plan							
Option A Schematic Cost Estimate- Synthetic Turf MPR, Baseball, Softball Field Construction - 07/31/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
<b>1</b>	<b>GENERAL CONDITIONS</b>					<b>\$ 386,480.47</b>	
a	Bonds and Insurance (2 %)	LS	1	\$ 62,746.75	\$ 62,746.75		
b	General Conditions (10 %)	LS	1	\$ 313,733.73	\$ 313,733.73		
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>\$ 1,910,577.25</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		
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 nets	LS	1	\$ 3,500.00	\$ 3,500.00		
t	Players Benches	PR	2	\$ 2,000.00	\$ 4,000.00		
<b>4</b>	<b>Softball Fixtures</b>					<b>\$ 108,860.00</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		
<b>5</b>	<b>Baseball Fixtures</b>					<b>\$ 141,400.00</b>	
b	Dugout	EA	2	\$ 25,000.00	\$ 50,000.00		
d	20' Foul Pole with wing	EA	2	\$ 970.00	\$ 1,940.00		
c	Safety Netting	LF	612	\$ 60.00	\$ 36,720.00		
d	Temporary Outfield Fence	LF	386	\$ 90.00	\$ 34,740.00		
e	Portable Pitchers Mound	LS	1	\$ 18,000.00	\$ 18,000.00		
<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>\$ 101,391.45</b>	
a	Strip and Haul Unscreened Topsoil (10" assumed)	CY	607	\$ 12.00	\$ 7,286.67		19,674 SF
b	Prepare sub-base, shape and compact	SY	678	\$ 1.50	\$ 1,017.62		20,640 SF
c	Gravel Base	TON	911	\$ 35.00	\$ 31,879.17		(walkway + bleacher pad)
d	Pavement (1.5" Binder Course, 1.5" Wearing Course)	SY	2,186	\$ 28.00	\$ 61,208.00		
						<b>SUBTOTAL: \$ 3,682,029.17</b>	
						<b>SOFT COSTS (8%): \$ 294,562.33</b>	
						<b>CONTINGENCY (10%): \$ 368,202.92</b>	
						<b>TOTAL: \$ 4,344,794.43</b>	

Norton Public Schools Master Plan							
Option A Schematic Cost Estimate- Amenities Building & Covered Pavilion Construction - 07/31/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
<b>1</b>	<b>GENERAL CONDITIONS</b>					<b>\$ 92,363.20</b>	
a	Bonds and Insurance (2 %)	LS	1	\$ 13,727.20	\$ 13,727.20		
b	General Conditions (10 %)	LS	1	\$ 68,636.00	\$ 68,636.00		
c	Mobilization / Demobilization	LS	1	\$ 10,000.00	\$ 10,000.00		
<b>2</b>	<b>Amenities Building</b>					<b>\$ 600,000.00</b>	
a	Cost per SF	SF	1,500	\$ 400.00	\$ 600,000.00		
<b>3</b>	<b>Covered Pavilion/Picnic Area</b>					<b>\$ 51,360.00</b>	
a	Covered Pavilion Structure	LS	1	\$ 50,000.00	\$ 50,000.00		
b	Folding Picnic Table	EA	8	\$ 170.00	\$ 1,360.00		
<b>4</b>	<b>SITE WALKWAYS/LANDSCAPING</b>					<b>\$ 10,000.00</b>	
a	Trees & Shrubs	LS	1	\$ 10,000.00	\$ 10,000.00		
<b>5</b>	<b>UTILITIES</b>					<b>\$ 25,000.00</b>	
a	Water Line w/ Quick Connects	LS	1	\$ 5,000.00	\$ 5,000.00		
b	Electrical (misc. Walkways, Parking)	LS	1	\$ 20,000.00	\$ 20,000.00		
						<b>SUBTOTAL: \$ 778,723.20</b>	
						<b>SOFT COSTS (12%): \$ 93,446.78</b>	
						<b>CONTINGENCY (15 %): \$ 116,808.48</b>	
						<b>TOTAL: \$ 988,978.46</b>	



Norton Public Schools Master Plan							
Option A Schematic Cost Estimate- Tennis Court Construction - 07/31/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
<b>1</b>	<b>GENERAL CONDITIONS</b>					<b>\$ 47,200.00</b>	
a	Bonds and Insurance (2 %)	LS	1	\$ 6,200.00	\$ 6,200.00		
b	General Conditions (10 %)	LS	1	\$ 31,000.00	\$ 31,000.00		
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>\$ 300,000.00</b>	
a	Tennis Courts	EA	5	\$ 60,000.00	\$ 300,000.00		
						<b>SUBTOTAL: \$ 357,200.00</b>	
						<b>SOFT COSTS (8%): \$ 28,576.00</b>	
						<b>CONTINGENCY (10 %): \$ 35,720.00</b>	
						<b>TOTAL: \$ 421,496.00</b>	

Norton Public Schools Master Plan							
Option A Schematic Cost Estimate- Additional Parking Construction - 07/31/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
<b>1</b>	<b>GENERAL CONDITIONS</b>					<b>\$ 34,874.19</b>	
a	Bonds and Insurance (2 %)	LS	1	\$ 4,145.70	\$ 4,145.70		
b	General Conditions (10 %)	LS	1	\$ 20,728.49	\$ 20,728.49		
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>Parking/Roadway</b>					<b>\$ 197,284.89</b>	
a	Parking	EA	57	\$ 2,800.00	\$ 159,600.00		
b	Dense Grade Base under Roadways (12")	TON	355	\$ 36.00	\$ 12,796.00		
c	Roadways	SY	711	\$ 35.00	\$ 24,888.89		
					<b>SUBTOTAL:</b>	<b>\$ 242,159.08</b>	
					<b>SOFT COSTS (10%):</b>	<b>\$ 24,215.91</b>	
					<b>CONTINGENCY (15 %):</b>	<b>\$ 36,323.86</b>	
					<b>TOTAL:</b>	<b>\$ 302,698.84</b>	



Norton Public Schools Master Plan							
Option A Schematic Cost Estimate- Pit Field Reconstruction - 07/31/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
<b>1</b>	<b>GENERAL CONDITIONS</b>					<b>\$ 143,022.27</b>	
a	Bonds and Insurance (2 %)	LS	1	\$ 15,503.71	\$ 15,503.71		
b	General Conditions (10 %)	LS	1	\$ 77,518.56	\$ 77,518.56		
c	Mobilization / Demobilization	LS	1	\$ 50,000.00	\$ 50,000.00		
<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>Synthetic MPR Field</b>					<b>\$ 765,185.56</b>	
a	Silt Fence	LF	1,000	\$ 5.00	\$ 5,000.00		
b	Strip and Haul Unscreened Topsoil (10" assumed)	CY	2463	\$ 12.00	\$ 29,555.56		79,800 SF
c	Earthwork (Cut & Fill)	LS	1	\$ 20,000.00	\$ 20,000.00		
d	Prepare sub-base, shape and compact	SY	8867	\$ 2.25	\$ 19,950.00		
e	Crushed Stone Base under Field (10")	TON	3,694	\$ 36.00	\$ 133,000.00		
f	Cast in place Concrete Curb	LF	1180	\$ 32.00	\$ 37,760.00		
g	Cast in place Concrete Curb with ACO 4000	LF	0	\$ 75.00	\$ -		
h	Geotextile Separation Layer	SY	8867	\$ 3.00	\$ 26,600.00		
i	12" Perf. HDPE	LF	1140	\$ 24.00	\$ 27,360.00		
j	Flat panel drains	LF	3240	\$ 4.00	\$ 12,960.00		
k	Cleanouts (Nyloplast CB's)	EA	4	\$ 1,800.00	\$ 7,200.00		
l	Outlet Control Structures	EA	1	\$ 3,500.00	\$ 3,500.00		
m	Infilled Synthetic Turf Product	SF	79800	\$ 3.00	\$ 239,400.00		Crumb rubber assumed. Alternative infill approx. +\$300k
n	Infilled Synthetic Turf Installation	SF	79800	\$ 1.00	\$ 79,800.00		
o	Shock Pad	SF	79800	\$ 1.00	\$ 79,800.00		
p	Turf Striping	EA	1	\$ 7,000.00	\$ 7,000.00		
q	4' High Perimeter Fence	LF	1180	\$ 35.00	\$ 41,300.00		
						<b>SUBTOTAL: \$ 918,207.82</b>	
						<b>SOFT COSTS (8%): \$ 73,456.63</b>	
						<b>CONTINGENCY (10%): \$ 91,820.78</b>	
						<b>TOTAL: \$ 1,083,485.23</b>	