

**Norton Public Schools Master Plan**  
**Option H Schematic Cost Estimate - 12/16/20**  
**Gale JN: 718090**



8-Lane Track and Synthetic Turf Field Construction	\$	3,098,041
Synthetic Turf MPR, Softball Construction	\$	2,908,707
Tennis Courts Construction	\$	355,160
	Total \$	6,361,907

Norton Public Schools Master Plan						
Option H Schematic Cost Estimate- Synthetic Turf Field and 8-Lane Track Construction - 12/16/20						
Gale JN: 718090						
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST
<b>1</b>	<b>GENERAL CONDITIONS</b>					<b>\$ 264,261.59</b>
a	Bonds and Insurance (2 %)	LS	1	\$ 42,376.93	\$ 42,376.93	
b	General Conditions (10 %)	LS	1	\$ 211,884.66	\$ 211,884.66	
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>\$ 464,202.70</b>
a	Pulverize Pavement	CY	527	\$ 8.00	\$ 4,214.32	
b	Strip and Haul Unscreened Topsoil	CY	91	\$ 16.00	\$ 1,453.63	
c	Misc. Demolition	LS	1	\$ 10,000.00	\$ 10,000.00	
d	Earthwork (Cut & Fill)	LS	1	\$ 20,000.00	\$ 20,000.00	
e	Prepare sub-base, shape and compact	SY	4741	\$ 3.00	\$ 14,223.33	
f	Aggregate Base Course (Dense Grade)	CY	1317	\$ 55.00	\$ 72,433.64	
g	Pavement (1.5" Binder course and 1.5" Wearing Course)	SY	4741	\$ 25.00	\$ 118,527.78	
h	Track surfacing (BSS-100 Urethane)	SY	4741	\$ 45.00	\$ 213,350.00	
i	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	
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>Synthetic MPR Field (Within Track)</b>					<b>\$ 872,434.31</b>
a	Strip and Haul Unscreened Topsoil (12" assumed)	CY	2964	\$ 16.00	\$ 47,423.41	
b	Prepare sub-base, shape and compact	SY	8892	\$ 2.25	\$ 20,006.75	
c	Crushed Stone Base under Field (10")	TON	3705	\$ 35.00	\$ 129,673.38	
d	Cast in place Concrete Curb with ACO 4000	LF	780	\$ 75.00	\$ 58,500.00	
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	Infilled Synthetic Turf Product	SF	80027	\$ 3.00	\$ 240,081.00	
k	Infilled Synthetic Turf Installation	SF	80027	\$ 1.00	\$ 80,027.00	
l	Shock Pad	SF	80027	\$ 1.00	\$ 80,027.00	
m	Turf Striping	EA	1	\$ 7,000.00	\$ 7,000.00	
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>Walkways</b>					<b>\$ 87,578.89</b>
a	Prepare sub-base, shape and compact	SY	289	\$ 1.50	\$ 433.33	
b	Gravel Base	TON	361	\$ 35.00	\$ 12,638.89	
c	Pavement (1.5" Binder Course, 1.5" Wearing Course)	SY	867	\$ 28.00	\$ 24,266.67	
d	4' High Perimeter Fence (around walkway)	LF	1570	\$ 32.00	\$ 50,240.00	
					<b>SUBTOTAL:</b>	<b>\$ 2,383,108.14</b>
					<b>SOFT COSTS (10%)</b>	<b>\$ 238,310.81</b>
					<b>CONTINGENCY (20 %)</b>	<b>\$ 476,621.63</b>
					<b>TOTAL:</b>	<b>\$ 3,098,040.58</b>

Norton Public Schools Master Plan						
Option H Schematic Cost Estimate- Synthetic Turf MPR, Softball Field Construction - 12/16/20						
Gale JN: 718090						
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST
<b>1</b>	<b>GENERAL CONDITIONS</b>					<b>\$ 234,778.74</b>
a	Bonds and Insurance (2 %)	LS	1	\$ 37,463.12	\$ 37,463.12	
b	General Conditions (10 %)	LS	1	\$ 187,315.62	\$ 187,315.62	
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>\$ 1,002,796.17</b>
a	Strip and Haul Unscreened Topsoil (12" assumed)	CY	3957	\$ 12.00	\$ 47,488.89	
b	Prepare sub-base, shape and compact	SY	11872	\$ 2.25	\$ 26,712.50	
c	Crushed Stone Base under Field (10")	TON	4,947	\$ 36.00	\$ 178,083.33	
d	Cast in place Concrete Curb	LF	1291	\$ 32.00	\$ 41,312.00	
e	Geotextile Separation Layer	SY	11872	\$ 2.00	\$ 23,744.44	
f	12" Perf. HDPE	LF	575	\$ 24.00	\$ 13,800.00	
g	Flat panel drains	LF	1590	\$ 4.00	\$ 6,360.00	
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	Infilled Synthetic Turf Product	SF	106850	\$ 3.00	\$ 320,550.00	
k	Infilled Synthetic Turf Installation	SF	106850	\$ 1.00	\$ 106,850.00	
l	Shock Pad	SF	106850	\$ 1.00	\$ 106,850.00	
m	Turf Striping	EA	3	\$ 7,000.00	\$ 21,000.00	
n	4' High Perimeter Fence	LF	1341	\$ 35.00	\$ 46,935.00	
o	4' High Pedestrian Gate in 4' CLF	EA	4	\$ 600.00	\$ 2,400.00	
p	12' Wide CLF Gates in 4' CLF	EA	1	\$ 1,200.00	\$ 1,200.00	
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>Athletic Field Lighting</b>					<b>\$730,000.00</b>
a	Musco Lighting	EA	7	\$90,000.00	\$630,000.00	
b	MUSCO Athletic Field Lighting Electrical	LS	1	\$100,000.00	\$100,000.00	
<b>6</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>7</b>	<b>Walkways</b>					<b>\$ 72,711.80</b>
a	Strip and Haul Unscreened Topsoil (10" assumed)	CY	435	\$ 12.00	\$ 5,225.56	

b	Prepare sub-base, shape and compact	SY	487	\$ 1.50	\$ 729.78	
c	Gravel Base	TON	653	\$ 35.00	\$ 22,861.81	
d	Pavement (1.5" Binder Course, 1.5" Wearing Course)	SY	1,568	\$ 28.00	\$ 43,894.67	
					<b>SUBTOTAL:</b>	<b>\$ 2,237,466.71</b>
					<b>SOFT COSTS (10%):</b>	<b>\$ 223,746.67</b>
					<b>CONTINGENCY (20%):</b>	<b>\$ 447,493.34</b>
					<b>TOTAL:</b>	<b>\$ 2,908,706.72</b>



Norton Public Schools Master Plan						
Option H Schematic Cost Estimate- Tennis Court Construction -12/16/20						
Gale JN: 718090						
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST
<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:</b>	<b>\$ 273,200.00</b>
					<b>SOFT COSTS (10%):</b>	<b>\$ 27,320.00</b>
					<b>CONTINGENCY (20 %):</b>	<b>\$ 54,640.00</b>
					<b>TOTAL:</b>	<b>\$ 355,160.00</b>