


Norton Public Schools Master Plan		
Option C Schematic Cost Estimate - 08/14/2019		
Gale JN: 718090		
6-Lane Track and Synthetic Turf Field Reconstruction	\$ 2,633,864	
Synthetic Turf MPR, Softball, Baseball Construction	\$ 4,514,079	
Amenities Building & Covered Pavilion Construction	\$ 988,978	
Tennis Courts Construction	\$ 341,500	
Additional Parking	\$ 283,104	
Natural Grass "Pit Field" Baseball Diamond	\$ 1,266,321	
Total		\$ 10,027,847

Note: Cost estimate does not include cost for proposed senior center or associated parking.

Norton Public Schools Master Plan							
Option C Schematic Cost Estimate- Synthetic Turf Field and 6-Lane Track Reconstruction - 08/14/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
1	GENERAL CONDITIONS					\$ 248,080.91	
a	Bonds and Insurance (2 %)	LS	1	\$ 39,680.15	\$ 39,680.15		
b	General Conditions (10 %)	LS	1	\$ 198,400.76	\$ 198,400.76		
c	Mobilization / Demobilization	LS	1	\$ 10,000.00	\$ 10,000.00		
2	EROSION CONTROL / SITE PREPARATION / DEMOLITION					\$ 15,250.00	
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		
3	Track Reconstruction					\$ 221,085.00	
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		Area of proposed track
c	Track Lines / Markings	LS	1	\$ 10,000.00	\$ 10,000.00		
4	Track D-Area Construction					\$ 244,380.65	
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		Area of proposed D-Areas
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		
5	Synthetic MPR Field (Within Track)					\$ 872,434.31	
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		Area of proposed field
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		Crumb rubber assumed. Alternative infill approx. +\$300k
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		
6	Athletic Field Lighting					\$435,000.00	
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		
7	Bleacher Seating					\$ 94,700.00	
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		
8	Walkways					\$ 101,157.59	
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		
SUBTOTAL:						\$ 2,232,088.46	
SOFT COSTS (8%):						\$ 178,567.08	
CONTINGENCY (10 %):						\$ 223,208.85	
TOTAL:						\$ 2,633,864.39	

Norton Public Schools Master Plan							
Option C Schematic Cost Estimate- Synthetic Turf MPR, Baseball, Softball Field Construction - 08/14/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
1	GENERAL CONDITIONS					\$ 396,033.67	
a	Bonds and Insurance (2 %)	LS	1	\$ 64,338.95	\$ 64,338.95		
b	General Conditions (10 %)	LS	1	\$ 321,694.73	\$ 321,694.73		
c	Mobilization / Demobilization	LS	1	\$ 10,000.00	\$ 10,000.00		
2	EROSION CONTROL / SITE PREPARATION / DEMOLITION					\$ 16,500.00	
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		
3	Synthetic MPR Field					\$ 1,915,187.25	
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		
4	Softball Fixtures					\$ 123,860.00	
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		
5	Baseball Fixtures					\$ 201,400.00	
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	612	\$ 60.00	\$ 36,720.00		
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		
6	Athletic Field Lighting					\$960,000.00	
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		
7	Bleacher Seating					\$ 56,820.00	
a	Concrete Pad	SF	966	\$ 20.00	\$ 19,320.00		
b	Portable Bleachers (Track & Synthetic Turf Field)	SEAT	150	\$ 250.00	\$ 37,500.00		
8	Walkways					\$ 155,689.53	
a	Strip and Haul Unscreened Topsoil (10" assumed)	CY	932	\$ 12.00	\$ 11,188.89		30,210 SF
b	Prepare sub-base, shape and compact	SY	1,042	\$ 1.50	\$ 1,562.59		Area accounts for all walkways,
c	Gravel Base	TON	1399	\$ 35.00	\$ 48,951.39		excluding walkway around track
d	Pavement (1.5" Binder Course, 1.5" Wearing Course)	SY	3,357	\$ 28.00	\$ 93,986.67		
						SUBTOTAL: \$ 3,825,490.45	
						SOFT COSTS (8%): \$ 306,039.24	
						CONTINGENCY (10%): \$ 382,549.05	
						TOTAL: \$ 4,514,078.73	

Norton Public Schools Master Plan							
Option C Schematic Cost Estimate- Amenities Building & Covered Pavilion Construction - 08/14/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
1	GENERAL CONDITIONS					\$ 92,363.20	
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		
2	Concessions Building					\$ 600,000.00	
a	Cost per SF	SF	1,500	\$ 400.00	\$ 600,000.00		
3	Covered Pavilion/Picnic Area					\$ 51,360.00	
a	Covered Pavilion Structure	LS	1	\$ 50,000.00	\$ 50,000.00		
b	Folding Picnic Table	EA	8	\$ 170.00	\$ 1,360.00		
4	SITE WALKWAYS/LANDSCAPING					\$ 10,000.00	
a	Trees & Shrubs	LS	1	\$ 10,000.00	\$ 10,000.00		
5	UTILITIES					\$ 25,000.00	
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		
					SUBTOTAL:	\$ 778,723.20	
					SOFT COSTS (12%)	\$ 93,446.78	

Norton Public Schools Master Plan							
Option C Schematic Cost Estimate- Tennis Court Construction - 08/14/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
1	GENERAL CONDITIONS					\$ 38,200.00	
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		
2	EROSION CONTROL / SITE PREPARATION / DEMOLITION					\$ 10,000.00	
a	Silt Fence	LF	1,000	\$ 5.00	\$ 5,000.00		
c	Temporary Construction Fencing	LS	1	\$ 5,000.00	\$ 5,000.00		
3	Tennis Courts					\$ 225,000.00	
a	Tennis Courts (Bituminous Asphalt Surface)	EA	5	\$ 45,000.00	\$ 225,000.00		
						SUBTOTAL: \$ 273,200.00	
						SOFT COSTS (10%): \$ 27,320.00	
						CONTINGENCY (15 %): \$ 40,980.00	
						TOTAL: \$ 341,500.00	



Norton Public Schools Master Plan							
Option C Schematic Cost Estimate- Additional Parking Construction - 08/14/2019							
Gale JN: 718090							
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST	REMARKS
1	GENERAL CONDITIONS					\$ 33,194.67	
a	Bonds and Insurance (2 %)	LS	1	\$ 3,865.78	\$ 3,865.78		
b	General Conditions (10 %)	LS	1	\$ 19,328.89	\$ 19,328.89		
c	Mobilization / Demobilization	LS	1	\$ 10,000.00	\$ 10,000.00		
2	EROSION CONTROL / SITE PREPARATION / DEMOLITION					\$ 10,000.00	
a	Silt Fence	LF	1,000	\$ 5.00	\$ 5,000.00		
c	Temporary Construction Fencing	LS	1	\$ 5,000.00	\$ 5,000.00		
3	Parking/Roadway					\$ 183,288.89	
a	Parking	EA	52	\$ 2,800.00	\$ 145,600.00		
b	Dense Grade Base under Roadways (12")	TON	356	\$ 36.00	\$ 12,800.00		
c	Roadways	SY	711	\$ 35.00	\$ 24,888.89		
						SUBTOTAL: \$ 226,483.56	
						SOFT COSTS (10%): \$ 22,648.36	
						CONTINGENCY (15 %): \$ 33,972.53	
						TOTAL: \$ 283,104.44	

Norton Public Schools Master Plan						
Option C Schematic Cost Estimate- Pit Field, Baseball Field Construction - 08/14/2019						
Gale JN: 718090						
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	TOTAL COST
1	GENERAL CONDITIONS					\$ 159,623.61
a	Bonds and Insurance (2 %)	LS	1	\$ 18,270.60	\$ 18,270.60	
b	General Conditions (10 %)	LS	1	\$ 91,353.01	\$ 91,353.01	
c	Mobilization / Demobilization	LS	1	\$ 50,000.00	\$ 50,000.00	
2	EROSION CONTROL / SITE PREPARATION / DEMOLITION					\$ 10,000.00
a	Silt Fence	LF	1,000	\$ 5.00	\$ 5,000.00	
c	Temporary Construction Fencing	LS	1	\$ 5,000.00	\$ 5,000.00	
3	Natural Grass MPR Field					\$ 757,690.09
b	Strip and Haul Unscreened Topsoil (12" assumed)	CY	5704	\$ 16.00	\$ 91,265.19	154,010 SF
c	Earthwork (Cut & Fill)	LS	1	\$ 20,000.00	\$ 20,000.00	143,050 SF
d	Prepare sub-base, shape and compact	SY	17112	\$ 2.25	\$ 38,502.50	Area excluding clay infield
e	Gravel Base under Field (4")	TON	2852	\$ 35.00	\$ 99,821.30	
f	Place and amend root zone materials (8")	CY	3532	\$ 27.00	\$ 95,366.67	
g	Geotextile Separation Layer	SY	17112	\$ 2.00	\$ 34,224.44	
h	12" Perf. HDPE	LF	1140	\$ 24.00	\$ 27,360.00	
i	Flat panel drains	LF	3000	\$ 4.00	\$ 12,000.00	
j	Cleanouts (Nyloplast CB's)	EA	4	\$ 1,800.00	\$ 7,200.00	
k	Outlet Control Structures	EA	1	\$ 3,500.00	\$ 3,500.00	
l	Irrigation- Tap to existing main	LS	1	\$ 6,000.00	\$ 6,000.00	
m	Irrigation System and controller	Zone	16	\$ 2,500.00	\$ 40,000.00	
n	Fine Grade and Sod	SF	143,050	\$ 1.50	\$ 214,575.00	
o	Turf Establishment Requirements	LS	1	\$ 10,000.00	\$ 10,000.00	
p	Turf Striping	EA	1	\$ 3,000.00	\$ 3,000.00	
q	Clay Infield Mix	LS	1	\$ 12,000.00	\$ 12,000.00	
r	4' High Perimeter Fence	LF	1225	\$ 35.00	\$ 42,875.00	
4	Baseball Fixtures					\$ 126,940.00
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	250	\$ 60.00	\$ 15,000.00	
e	75'x15' Double Batting Tunnel/Bullpen	EA	1	\$ 30,000.00	\$ 30,000.00	
5	Bleacher Seating					\$ 18,900.00
a	Concrete Pad	SF	320	\$ 20.00	\$ 6,400.00	
b	Portable Bleachers (Track & Synthetic Turf Field)	SEAT	50	\$ 250.00	\$ 12,500.00	
						SUBTOTAL: \$ 1,073,153.70
						SOFT COSTS (8%): \$ 85,852.30
						CONTINGENCY (10%): \$ 107,315.37
						TOTAL: \$ 1,266,321.37