

**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS  
MOSLE FIELD IMPROVEMENTS**

**Mendham Township, Morris County, New Jersey  
January 13, 2023**

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ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT
<b>BASE BID - FIELD 1 - Reconditioned Sod Field and Lights</b>				
<b>FIELD 1 IMPROVEMENTS</b>				
	Modilization	1 LS	\$15,000.00	\$15,000.00
	Soil Erosion Control	1 LS	\$11,000.00	\$11,000.00
	Strip Topsoil	1 LS	\$20,000.00	\$20,000.00
	Screen Topsoil	1 LS	\$35,000.00	\$35,000.00
	Spread Topsoil	1 LS	\$15,000.00	\$15,000.00
	Soil Amendment - Lime	30 TONS	\$0.50	\$15,000.00
	Soil Amendment - Conditioner	30 TONS	\$0.50	\$15,000.00
	Soil Amendment - Compost	90 TONS	\$85.00	\$7,650.00
	Soil Fertilizer	100 TONS	\$2.50	\$2,500.00
	Sod	36000 SQ	\$1.25	\$45,000.00
	Irrigation in Fields	1 LS	\$45,000.00	\$45,000.00
	Irrigation Well	1 LS	\$20,000.00	\$20,000.00
	Electrical for Irrigation	1 LS	\$5,000.00	\$5,000.00
	Seed	1 LS	\$2,500.00	\$2,500.00
	Mulch	1 LS	\$5,000.00	\$5,000.00
<b>ELECTRICAL SERVICE</b>				
	Provide Electrical Service	1 LS	\$20,000.00	\$20,000.00
<b>PARKING LOT LIGHTS</b>				
	Electrical Service to Parking Area	1 LS	\$20,000.00	\$20,000.00
	Parking Lot Lighting	1 LS	\$140,000.00	\$140,000.00
<b>FIELD 1 LIGHTING</b>				
	Sport Field Lighting	1 LS	\$420,000.00	\$420,000.00
<b>Design and Permitting</b>				
	Engineering Design	1 LS	\$80,000.00	\$80,000.00
	Permitting	1 LS	\$10,000.00	\$10,000.00
	Construction Adminstration & Inspection	1 LS	\$35,000.00	\$35,000.00
<b>SUB TOTAL</b>				<b>\$1,085,050.00</b>
15% Project Contingency				<b>\$162,757.50</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$1,247,807.50</b>

<b>ADD ALTERNATE 1 - FIELD 2 - Softball Field Reconditioned with Sod and Lights</b>				
<b>FIELD 2 - SOFTBALL FIELD IMPROVEMENTS</b>				
	Modilization	1 LS	\$3,000.00	\$3,000.00
	Soil Erosion Control	1 LS	\$4,000.00	\$4,000.00
	Strip Topsoil	1 LS	\$6,000.00	\$6,000.00
	Screen Topsoil	1 LS	\$10,500.00	\$10,500.00
	Spread Topsoil	1 LS	\$4,500.00	\$4,500.00
	Soil Amendment - Lime	30 TONS	\$0.50	\$15,000.00
	Soil Amendment - Conditioner	30 TONS	\$0.50	\$15,000.00
	Soil Amendment - Compost	30 TONS	\$85.00	\$2,550.00
	Soil Fertilizer	100 TONS	\$2.50	\$2,500.00
	Sod	25000 SQ	\$1.25	\$31,250.00
	Refresh Clay Infield Mix	1 LS	\$40,000.00	\$40,000.00
	Irrigation in Fields	1 LS	\$15,000.00	\$15,000.00
	Electrical for Irrigation	1 LS	\$5,000.00	\$5,000.00
	Seed	1 LS	\$1,000.00	\$1,000.00
	Mulch	1 LS	\$2,000.00	\$2,000.00
<b>FIELD 2 LIGHTING</b>				
	Sport Field Lighting	1 LS	\$280,000.00	\$280,000.00
<b>Design and Permitting</b>				
	Engineering Design	1 LS	\$20,000.00	\$20,000.00
	Permitting	1 LS	\$5,000.00	\$5,000.00
	Construction Adminstration & Inspection	1 LS	\$10,000.00	\$10,000.00
<b>SUB TOTAL</b>				<b>\$414,050.00</b>
15% Project Contingency				<b>\$62,107.50</b>
<b>TOTAL CONSTRUCTION COST</b>				<b>\$476,157.50</b>

**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS  
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<b>ADD ALTERNATE 2 - FIELD 3 - Multipurpose Sod and Lights</b>				
<b>FIELD 1 IMPROVEMENTS</b>				
Modilization	1 LS	\$3,000.00		\$3,000.00
Soil Erosion Control	1 LS	\$11,000.00		\$11,000.00
Strip Topsoil	1 LS	\$20,000.00		\$20,000.00
Strip Topsoil	1 LS	\$35,000.00		\$35,000.00
Strip Topsoil	1 LS	\$10,000.00		\$10,000.00
Soil Amendment - Lime	7000 LBS	\$0.50		\$3,500.00
Soil Amendment - Conditioner	7 TONS	\$1,500.00		\$10,500.00
Soil Amendment - Compost	90 TONS	\$85.00		\$7,650.00
Soil Fertilizer	1200 LBS	\$2.50		\$3,000.00
Sod	86000 SQFT	\$1.25		\$107,500.00
Irrigation in Fields	1 LS	\$45,000.00		\$45,000.00
Recycled Water Irrigation	1 LS	\$5,000.00		\$5,000.00
Tree	1 LS	\$2,500.00		\$2,500.00
Mulch	1 LS	\$5,000.00		\$5,000.00
<b>FIELD 1 LIGHTING</b>				
Sport Field Lighting	1 LS	\$420,000.00		\$420,000.00
Design and Permitting				
Engineering Design	1 LS	\$20,000.00		\$20,000.00
Permitting	1 LS	\$5,000.00		\$5,000.00
Construction Administration & Inspection	1 LS	\$10,000.00		\$10,000.00
		<b>SUB TOTAL:</b>		<b>\$708,650.00</b>
		15% Project Contingency		\$109,297.50
		<b>TOTAL CONSTRUCTION COSTS</b>		<b>\$837,947.50</b>

<b>ADD ALTERNATE 3 - Added Parking Lot Near Fields</b>				
<b>FIELD 1 IMPROVEMENT</b>				
Modilization	1 LS	\$5,000.00		\$5,000.00
Soil Erosion Control	1 LS	\$5,000.00		\$5,000.00
Strip Topsoil	1 LS	\$10,000.00		\$10,000.00
Earthwork	1 LS	\$10,000.00		\$10,000.00
Stormwater	1 LS	\$50,000.00		\$50,000.00
Asphalt	29000 SQFT	\$6.50		\$188,500.00
Strip Topsoil	1 LS	\$5,000.00		\$5,000.00
Parking Lot Lighting	1 LS	\$120,000.00		\$120,000.00
Design and Permitting				
Engineering Design	1 LS	\$35,000.00		\$35,000.00
Permitting	1 LS	\$5,000.00		\$5,000.00
Construction Administration & Inspection	1 LS	\$10,000.00		\$10,000.00
		<b>SUB TOTAL</b>		<b>\$443,500.00</b>
		15% Project Contingency		\$66,525.00
		<b>TOTAL CONSTRUCTION COSTS</b>		<b>\$510,025.00</b>

**TOTAL ESTIMATED COST (BASE BID PLUS ADD ALT 1 - 3): \$3,050,490.00**

Not included

In Recreation

Committee

Proposal.

This was a cost  
study.

Looking to create  
binding agreement

guaranteeing no  
future turf.

ENGINEER'S OFFICIAL PROPOSED CONSTRUCTION COSTS FOR MOSLE FIELD IMPROVEMENTS			
Mendham Township, Morris County, New Jersey			
January 13, 2023			
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ALTERNATE PRICE			
FIELD 1 - ARTIFICIAL TURF FIELD			
FIELD 3 - NATURAL GRASS SOD ON FIELD 3			
CONSTRUCTION OF SYNTHETIC TURF FIELD ON FIELD 1			
Soil Erosion Control	1 S	\$1,000.00	\$1,000.00
Clear Vegetation	1 S	\$1,000.00	\$1,000.00
Strip Topsoil	1 S	\$20,000.00	\$20,000.00
Earthwork - Cut	3500 CY	\$8.00	\$28,000.00
Earthwork - Fill	3500 CY	\$11.50	\$40,250.00
Field Stone Base	3750 CY	\$19.00	\$71,250.00
Turf Field Curt	1500 LF	\$35.00	\$52,500.00
Turf Field Syst	90000 SF	\$6.00	\$540,000.00
Spread Topsoil	10000 SF	\$4.00	\$40,000.00
Seed and Stable Topsoil Area	1 LS	\$22,000.00	\$22,000.00
Drainage System	1 LS	\$125,000.00	\$125,000.00
Fencing - Turf Field	1300 LF	\$60.00	\$78,000.00
Scoreboard	1 EA	\$30,000.00	\$30,000.00
Electrical for Scoreboard	1 LS	\$18,000.00	\$18,000.00
Seachers	2 LS	\$18,000.00	\$36,000.00
Scoreboard	1 LS	\$5,000.00	\$5,000.00
FIELD 3 - SPREAD EXISTING TOPSOIL			
Soil Amendment - Lime	1000 LB	\$0.50	\$500.00
Soil Amendment - Conditioner	7 TONS	\$1,500.00	\$10,500.00
Soil Amendment - Compost	90 TONS	\$85.00	\$7,650.00
Soil Fertilizer	1200 LBS	\$2.50	\$3,000.00
Sod	86000 SFT	\$1.25	\$107,500.00
Irrigation in Fields	1 LS	\$45,000.00	\$45,000.00
Irrigation Well	1 LS	\$20,000.00	\$20,000.00
Electrical for Irrigation	1 LS	\$5,000.00	\$5,000.00
Seed	1 LS	\$2,500.00	\$2,500.00
Mulch	1 LS	\$5,000.00	\$5,000.00
ELECTRICAL SERVICE			
Provide Electrical Service	1 LS	\$20,000.00	\$20,000.00
PARKING LOT LIGHTS			
Electric Service to Parking Area	1 S	\$1,000.00	\$1,000.00
Parking Lot Lights	1 S	\$140,000.00	\$140,000.00
FIELD 1 LIGHTING			
Sport Field Lighting	1 LS	\$450,000.00	\$450,000.00
Design and Permitting			
Engineering Design	1 LS	\$85,000.00	\$95,000.00
Permitting	1 LS	\$15,000.00	\$15,000.00
Construction Administration / Inspection	1 S	\$4,000.00	\$4,000.00
		SUB TOTAL	\$2,458,297.50
		5% Project Contingency	\$122,914.88
		TOTAL CONSTRUCTION COSTS	\$2,458,297.50

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PREPARED BY: [REDACTED]