Planning | Landscape | Athletic Facilities Sixteen School Street | Dedham, Massachusetts 02026-4310

www.activitas.com

PROJECT: Manor Fields at Striar Property

PROJ #: 13012.00

STATUS: 95% Design Documents

DATE: 14 August 2017



| Item # | Item/Remarks | Unit Cost | Cost | Subtotal |
|--------|--|-----------|------|----------------|
| | ITEMIZED OPINION OF PROBABLE PROJECT COSTS | | | |
| 00001 | MOBILIZATION AND SITE PREPARATION | | | \$246,127.50 |
| | | | | |
| 00002 | EARTHWORK | | | \$383,032.33 |
| 00003 | FIELD 1: NEW MULTI-PURPOSE INFILLED SYNTHETIC TURF PLAYING SURFACE (240' x 370') | | | \$1,008,687.79 |
| 00000 | TILLD I. NEW MOLIFI ON OSE INTILLED STATILLIC TON TEATING SONI ACE (240 X 070) | | | \$1,000,007.77 |
| 00004 | FIELD 2: NEW MULTI-PURPOSE INFILLED SYNTHETIC TURF PLAYING SURFACE (200' x 450') | | | \$1,005,229.86 |
| | | | | |
| 00005 | TENNIS COURTS | | | \$277,944.20 |
| 00006 | BASKETBALL COURTS | | | ¢105.4/0.40 |
| 00006 | BASKEIBALL COURTS | | | \$125,462.40 |
| 00007 | SUPPORT BUILDINGS | | | \$257,400.00 |
| | | | | |
| 80000 | SITE AND SPORTS LIGHTING AND ELECTRICAL IMPROVEMENTS | | | \$1,466,600.00 |
| 22222 | DOO DADY HADDOVENED TO | | | 2010 717 00 |
| 00009 | DOG PARK IMPROVEMENTS | | | \$242,747.00 |
| 00010 | SITE IMPROVEMENTS | | | \$2,021,450.00 |
| | | | | ψ=,0=1,100100 |
| 00011 | SITE UTILITIES (STORM/SEWER/WATER) | | | \$284,000.00 |
| | | | | |
| 00012 | PLAYGROUND AREA | | | \$235,200.00 |
| 00013 | LANDSCAPE IMPROVEMENTS | | | \$2,043,000.00 |
| 00013 | EARDOOM E IIII NO FEMERIO | | | Ψ2,040,000.00 |
| 00014 | BOARDWALKS AND WETLAND CROSSINGS | | | \$1,398,302.00 |
| | | | | |

| 00015 | SYNTHETIC FIELD MAINTENANCE | \$95,000.00 |
|-------|--|--|
| 00016 | MOVEABLE ATHLETIC EQUIPMENT | \$39,000.00 |
| | Construction Subtotal: 4% General Conditions 8% Contractor's Overhead and Profit CONSTRUCTION TOTAL: | \$11,129,183.09 \$445,167.32 \$890,334.65 \$12,464,685.06 |
| | 10% Construction Contingency | \$1,246,468.51 |
| | OPINION OF PROBABLE CONSTRUCTION COSTS 2018 | \$13,711,153.57 |

ESCALATED OPINION OF PROBABLE PROJECT COSTS - (4%)

| 2019 | \$14,259,599.71 |
|------|-----------------|
| 2020 | \$14,829,983.70 |
| 2021 | \$15,423,183.04 |

Notes:

Due to the inflationary and unpredictable construction climate this may not represent the actual cost of construction.

This is an Opinion of Probable Construction Cost only and is based upon 75% design documents. Activitas has no control over the cost of labor, materials, equipment or services furnished. We also have no control over project schedules, contractor's means and methods of construction or their determination of prices, the competitive bidding market or negotiating conditions. Activitas cannot guarantee that this opinion will not vary from actual bid and project costs.

There are no costs provided for client costs, financing of funding costs, legal fees, land acquisition or temporary/permanent easements, operations or any other costs associated with this project that are not specifically part of the preliminary scope.

Assumptions:

Sales tax exempt, prevailing wage construction. Union construction could increase these costs considerably.

No rock or ledge excavation is required unless otherwise noted. Typical dewatering.

Unsuitable, contaminated or hazardous materials are not contemplated unless otherwise noted.

Planning | Landscape | Athletic Facilities ixteen School Street | Dedham, Massachusetts 02026-431 www.activitas.com

PROJECT: Manor Fields at Striar Property

PROJ #: 13012.00

STATUS: 95% Design Documents

DATE: 14 August 2017



NOTE:

Due to the inflationary and unpredictable construction climate, this cost opinion may not represent the actual cost of construction.

| Item # | Item/Remarks | Notes | Total | Unit | Unit Cost | Cost | Subtotal |
|--------|--|-------|---------|-------|-----------|--------------|----------------|
| | ITEMIZED OPINION OF PROBABLE PROJECT COSTS | | | | | | |
| 00001 | MOBILIZATION AND SITE PREPARATION | | | | | | \$246,127.50 |
| 1 | Mobilization | | 1 | ALLOW | 20000.00 | \$20,000.00 | |
| 2 | Construction Entrance | | 1 | ALLOW | 20000.00 | \$20,000.00 | |
| 3 | Construction Fence | 1 | 3,407 | LF | 15.00 | \$51,105.00 | |
| 4 | Straw Wattle - Install, Maintain, Remove and Repair | | 6,000 | LF | 10.00 | \$60,000.00 | |
| 5 | Pulverize, Remove and Stockpile Existing Bituminous Concrete | | 10,000 | SF | 0.25 | \$2,500.00 | |
| 6 | Clear Existing Vegetation | | 10.00 | ACRE | 5000.00 | \$50,000.00 | |
| 7 | Clear Existing Vegetation at Sprague Street for Driveway Sight Lines | | 1 | ALLOW | 20000.00 | \$20,000.00 | |
| 8 | Pulverize, Remove and Dispose of Existing Concrete Slab | | 15,015 | SF | 1.50 | \$22,522.50 | |
| | Subtotal: | | | | | \$246,127.50 | |
| 00002 | EARTHWORK | 2 | | | | | \$383,032.33 |
| | Limit of Work | | 639,295 | | | | |
| 1 | Strip & Stockpile Existing Misc. Topsoil Areas | | 1,969 | CY | 6.00 | \$11,814.11 | |
| 2 | Screen Existing Topsoil | | 1,969 | CY | 6.00 | \$11,814.11 | |
| 3 | Respread Existing Topsoil as fill in Landscape Areas | | 1,969 | CY | 6.00 | \$11,814.11 | |
| 4 | Cut to Fill with One Additional Move | | 16,620 | CY | 12.00 | \$199,440.00 | |
| 5 | Potential Ledge Removal and Disposal Allowance at Tennis Courts | 2 | 0 | CY | 125.00 | \$0.00 | |
| 6 | Relocate and manage (on site) the unsuitable materials near Tennis Courts | | 2,963 | CY | 50.00 | \$148,150.00 | |
| | Subtotal: | | | | | \$383,032.33 | |
| 00003 | FIELD 1: NEW MULTI-PURPOSE INFILLED SYNTHETIC TURF PLAYING SURFACE (240' x 370') |) | | | | | \$1,008,687.79 |
| 1 | New Field Area (Soccer, Boy's and Girl's Lacrosse) | | 92,854 | | | | |

| 2 | New Perimeter Channel Drain (Materials Only - No Concrete) | | 1.258 | LF | 40.00 | \$50,320.00 | I |
|-------|---|------|--------|-------|----------|----------------|----------------|
| 3 | New Concrete Synthetic Turf Attachment Curb (stand alone or with drain (above)) | | 1,258 | LF | 25.00 | \$31,450.00 | |
| 4 | Fine Grade Subgrade | | 92,854 | SF | 0.10 | \$9,285.40 | |
| 5 | Install Non-woven Geotextile at Subgrade | | 92,854 | SF | 0.12 | \$11,142.48 | |
| 6 | Install 12" Perimeter Collector Drain and Stone Trench | | 1,256 | LF | 40.00 | \$50,240.00 | |
| 7 | Install Flat Panel Drains at 20' o.c | | 3,933 | LF | 10.00 | \$39,330.00 | |
| 8 | Provide and Install 12" Crushed Stone Drainage Layer | | 3,439 | CY | 50.00 | \$171,951.85 | |
| 9 | Provide and Install 2" Finishing Stone Layer | | 574 | CY | 50.00 | \$28,715.96 | |
| 10 | Laser Grade Finishing Stone Layer | | 92,854 | SF | 0.20 | \$18,570.80 | |
| 11 | New Infilled Synthetic Turf System (2.5" fiber with sand and rubber infill) (all green) | 3 | 92,854 | SF | 4.50 | \$417,843.00 | |
| | ADD for Brock Underlayment (pad) - (assumes reduction of turf to 2" fiber) | 4 | 92,854 | SF | 1.45 | \$134,638.30 | |
| | ADD for Permanent Inlaid/Tufted Soccer Lines | | 1 | ALLOW | 5000.00 | \$5,000.00 | |
| | ADD for Permanent Inlaid/Tufted Boy's Lacrosse Lines | | 1 | ALLOW | 5000.00 | \$5,000.00 | |
| | ADD for Permanent Inlaid/Tufted Girl's Lacrosse Lines | | 1 | ALLOW | 5000.00 | \$5,000.00 | |
| 12 | Protective Netting | 5, 6 | | | | 40,000 | |
| | 10' High Protective Ball Net Sleeves and Footings | -, - | 16 | EA | 200.00 | \$3,200.00 | |
| | 10' High Protective Ball Netting, Hardware, and Poles | | 320 | LF | 30.00 | \$9,600.00 | |
| | 20' High Ball Net Sleeves and Footings (Behind Goals) | | 14 | EA | 300.00 | \$4,200.00 | |
| | 20' High Protective Ball Netting, Hardware, and Poles (Behind Goals) | | 240 | LF | 55.00 | \$13,200.00 | |
| | 5 | | | | | · | |
| | Subtotal: | | | | | \$1,008,687.79 | |
| 00004 | FIELD 2: NEW MULTI-PURPOSE INFILLED SYNTHETIC TURF PLAYING SURFACE (200' x 450') | | | | | | \$1,005,229.86 |
| 1 | New Field Area (MIAA (NCAA) Football, Boy's and Girl's Lacrosse) | | 87,151 | | | | |
| 2 | New Concrete Synthetic Turf Attachment Curb | | 1,256 | LF | 25.00 | \$31,400.00 | |
| 3 | Fine Grade Subgrade | | 87,151 | SF | 0.10 | \$8,715.10 | |
| 4 | Install Non-woven Geotextile at Subgrade | | 87,151 | SF | 0.12 | \$10,458.12 | |
| 5 | Install 12" Perimeter Collector Drain and Stone Trench | | 1,256 | LF | 40.00 | \$50,240.00 | |
| 6 | Install Flat Panel Drains at 20' o.c | | 3,933 | LF | 10.00 | \$39,330.00 | |
| 7 | Provide and Install 12" Crushed Stone Drainage Layer | | 3,228 | CY | 50.00 | \$161,390.74 | |
| 8 | Provide and Install 2" Finishing Stone Layer | | 539 | CY | 50.00 | \$26,952.25 | |
| 9 | Laser Grade Finish Stone Layer | | 87,151 | SF | 0.20 | \$17,430.20 | |
| 10 | New Infilled Synthetic Turf System (2.5" fiber with sand and rubber infill) (all green) | 3 | 87,151 | SF | 4.50 | \$392,179.50 | |
| | ADD for Brock Underlayment (pad) - (assumes reduction of turf to 2" fiber) | 4 | 87,151 | SF | 1.45 | \$126,368.95 | |
| | ADD for Permanent Inlaid/Tufted Football Lines | | 1 | ALLOW | 18000.00 | \$18,000.00 | |
| | ADD for Permanent Inlaid/Tufted Boy's Lacrosse Lines | | 1 | ALLOW | 5000.00 | \$5,000.00 | |
| | ADD for Permanent Inlaid/Tufted Girl's Lacrosse Lines | | 1 | ALLOW | 5000.00 | \$5,000.00 | |
| 11 | New Rotating Hinging Football Goal Posts (8' Offset) | | 1 | PAIR | 18000.00 | \$18,000.00 | |
| 12 | Chain Link Fence / Protective Netting | 5, 6 | | | | | |
| | 4' Fusion Bond / Powder Coated Chain Link Fence | | 967 | LF | 40.00 | \$38,680.00 | |
| | ADD Safety Top Cap on all CLF | | 967 | LF | 5.00 | \$4,835.00 | |
| | 10' High Protective Ball Net Sleeves and Footings (Around Perimeter of Field) | | 46 | EA | 200.00 | \$9,200.00 | |
| | 10' High Protective Ball Netting, Hardware, and Poles (Around Perimeter of Field) | | 875 | LF | 30.00 | \$26,250.00 | |
| | 20' High Ball Net Sleeves and Footings (Behind Goals) | | 14 | EA | 300.00 | \$4,200.00 | |

| | 20' High Protective Ball Netting, Hardware, and Poles (Behind Goals) Padding for 20' High Net Posts | 1 <mark>20</mark> 1 | LF LS | 55.00 5000.00 | \$6,600.00 \$5,000.00 | |
|-------|---|------------------------|----------|----------------------|---------------------------------|---------------|
| | Subtotal: | | | | \$1,005,229.86 | |
| 00005 | TENNIS COURTS | | | | | \$277,944.20 |
| 1 | New Tennis Court Area (5 Courts) | 30,787 | | | | |
| 2 | Earthwork (Potential Ledge Removal Costs in Section 00002 above) | | | | | |
| | Proof Roll and Compact Base | 30,787 | SF | 0.10 | \$3,078.70 | |
| 3 | Bituminous Asphalt Pavement (3") | | | | | |
| | New Asphalt Base Material (12" depth) | 30,787 | SF | 2.00 | \$61,574.00 | |
| | 3" Tennis Court Pavement (Bituminous Asphalt) | 30,787 | SF | 3.50 | \$107,754.50 | |
| | ADD for Post-Tension Concrete Pavement in lieu of Bituminous Asphalt | 30,787 | SF | 10.00 | \$307,870.00 | |
| 4 | Sawcut asphalt under net lines | 1 | LS | 750.00 | \$750.00 | |
| 5 | Acrylic Tennis Court Surfacing and Striping (Custom Colors) | 3,421 | SY | 9.00 | \$30,787.00 | |
| 6 | Perimeter Fencing and Gates | | | | | |
| | 10' Fusion Bond / Powder Coated Chain Link Fence | 754 | LF | 75.00 | \$56,550.00 | |
| | "V"-shaped Double Pedestrian Gate | 4 | EA | 500.00 | \$2,000.00 | |
| | 12' Wide Double Vehicular (Emergency Access) Gate | 1 | EA | 1500.00 | \$1,500.00 | |
| 7 | Fixed Athletic Equipment | | | | | |
| | Tennis Posts (Equipment, Concrete and Install) | 5 | SET | 2000.00 | \$10,000.00 | |
| | Tennis Nets (Equipment and Install) | 5 | EA | 350.00 | \$1,750.00 | |
| | Tennis Net Center Straps and Anchors (Equipment, Concrete and Install) | 5 | EA | 100.00 | \$500.00 | |
| | Scorekeeper Post (Equipment, Concrete and Install) | 3 | EA | 150.00 | \$450.00 | |
| 8 | Court Signage (Fossil Graphics) | 5 | EA | 250.00 | \$1,250.00 | |
| | Subtotal: | | | | \$277,944.20 | |
| 00006 | BASKETBALL COURTS | | | | | \$125,462.40 |
| 1 | New Basketball Court Area (2 Courts) | 12,239 | | | | , , , , , , , |
| 2 | Earthwork | | | | | |
| | Proof Roll and Compact Base | 12,239 | SF | 0.10 | \$1,223.90 | |
| 3 | Bituminous Asphalt Pavement (3") | | | | | |
| | New Asphalt Base Material (12" depth) | 12,239 | SF | 2.00 | \$24,478.00 | |
| | 3" Basketball Court Pavement | 12,239 | SF | 3.50 | \$42,836.50 | |
| 4 | Acrylic Basketball Court Surfacing and Striping (Custom Colors) | 1,360 | SY | 9.00 | \$12,239.00 | |
| 5 | Perimeter Fencing and Gates | | | | | |
| | 6' Fusion Bond / Powder Coated Chain Link Fence at Property Line | 127 | LF | 55.00 | \$6,985.00 | |
| 6 | Fixed Athletic Equipment | | | | | |
| | Courtside Participant Benches | 2 | EA | 600.00 | \$1,200.00 | |
| | Basketball Goals and Backboards | 4 | EA | 1500.00 | \$6,000.00 | |
| | Basketball Court Walls | | | | • • | |
| 7 | Seat Walls | 350 | LF | 80.00 | \$28,000.00 | |
| 8 | Concrete Stairs, Railings and Cheekwalls | 1 | EA | 2500.00 | \$2,500.00 | |
| | | | | | • • | |

| Concessions, Restriction and Storage Building of Dog Park 133 sF 275.00 \$220,825.00 | | Subtotal: | | | | | \$125,462.40 | |
|--|-------|--|---|--------|-------|-----------|----------------|----------------|
| Second Rest Room Building at Dog Park 133 SF 275.00 \$36.575.00 | 00007 | SUPPORT BUILDINGS | | | | | | \$257,400.00 |
| Sublotat: S257,400.00 SIE AND SPORTS LIGHTING AND ELECTRICAL IMPROVEMENTS \$1,466,600.00 Site AND SPORTS LIGHTING AND ELECTRICAL IMPROVEMENTS \$1,466,600.00 Site Bedriccol Infrastructure Upgrades 1 ALLOW 7500.00 \$75,000.00 Filed 1: Sports Lighting System - 30 tool canalles 8 Equipment - Musica ISG Light Structure Green 1 ALLOW 215000.00 \$245,000.00 Installation Allowance 1 ALLOW 215000.00 \$30,000.00 Upgrade to 75 fc | - | | 7 | | | | • | |
| Site AID SPORTS LIGHTING AND ELECTRICAL IMPROVEMENTS 1 | 2 | Second Rest Room Building at Dog Park | | 133 | SF | 275.00 | \$36,575.00 | |
| Site Flectrical Infrastructure Upgrades | | Subtotal: | | | | | \$257,400.00 | |
| Field 1.5 ports Lighting System - 50 fool-condles Equipment - Musco LSG (Light Structure Green) 1 LS 24500.00 \$215.000.00 Installation Allowance 1 ALLOW 215000.00 \$215.000.00 Upgrade to LED 1 ALLOW 80000.00 \$80,000.00 | 00008 | SITE AND SPORTS LIGHTING AND ELECTRICAL IMPROVEMENTS | | | | | | \$1,466,600.00 |
| Equipment - Musco LSG (light Structure Green) | 1 | Site Electrical Infrastructure Upgrades | | 1 | ALLOW | 75000.00 | \$75,000.00 | |
| Installation Allowance | 2 | Field 1: Sports Lighting System - 50 foot-candles | 8 | | | | | |
| Upgrade to 75 fc | | Equipment - Musco LSG (Light Structure Green) | | 1 | LS | 265000.00 | \$265,000.00 | |
| Digrade to LED 1 | | Installation Allowance | | 1 | ALLOW | 215000.00 | \$215,000.00 | |
| Field 2: Sports Lighting System - 50 foot-candles | | Upgrade to 75 fc | | 1 | ALLOW | 50000.00 | \$50,000.00 | |
| Equipment - Musco LSG (Light Structure Green) 1 | | Upgrade to LED | | 1 | ALLOW | 80000.00 | \$80,000.00 | |
| Installation Allowance | 3 | Field 2: Sports Lighting System - 50 foot-candles | 8 | | | | | |
| Upgrade to 75 fc | | Equipment - Musco LSG (Light Structure Green) | | 1 | LS | 160000.00 | \$160,000.00 | |
| Upgrade to LED 1 | | Installation Allowance | | 1 | ALLOW | 110000.00 | \$110,000.00 | |
| Tennis Courts Sports Lighting System - 40 foot-candles Equipment - Musca LSG (Light Structure Green) 1 LS 75000.00 \$75,000.00 Installation Allowance Upgrade to LED (No Add) 1 LS 3000.00 \$50,000.00 | | Upgrade to 75 fc | | 1 | ALLOW | 50000.00 | \$50,000.00 | |
| Equipment - Musco LSG (Light Structure Green) 1 | | Upgrade to LED | | 1 | ALLOW | 35000.00 | \$35,000.00 | |
| Installation Allowance | 4 | Tennis Courts Sports Lighting System - 40 foot-candles | 8 | | | | | |
| Sesketball Courts Sports Lightfing System - 20 foot-candles Sequipment - Musco LSG (Light Structure Green) 1 | | Equipment - Musco LSG (Light Structure Green) | | 1 | LS | 75000.00 | \$75,000.00 | |
| 5 Basketball Courts Sports Lighting System - 20 foot-candles 8 Equipment - Musco LSG (Light Structure Green) 1 LS 30000.00 \$30,000.00 Installation Allowance 1 ALLOW 25000.00 \$25,000.00 Upgrade to LED (No Add) Vegacian Strain Stra | | Installation Allowance | | 1 | ALLOW | 50000.00 | \$50,000.00 | |
| Equipment - Musco LSG (Light Structure Green) 1 | | Upgrade to LED (No Add) | | | | | | |
| Installation Allowance 1 | 5 | Basketball Courts Sports Lighting System - 20 foot-candles | 8 | | | | | |
| Scoreboard Allowance Field 1 | | Equipment - Musco LSG (Light Structure Green) | | 1 | LS | 30000.00 | \$30,000.00 | |
| Scoreboard Allowance Field 1 | | Installation Allowance | | 1 | ALLOW | 25000.00 | \$25,000.00 | |
| Field 1 | | Upgrade to LED (No Add) | | | | | | |
| Field 2 | 6 | Scoreboard Allowance | | | | | | |
| 7 Electrical Communication Boxes at Field 1 2 EA 400.00 \$800.00 8 Electrical Communication Boxes at Field 2 2 EA 400.00 \$800.00 9 Pedestrian / Vehicular Lighting 1 ALLOW 215000.00 \$215,000.00 Subtofal: \$1,466,600.00 1 Dog PARK IMPROVEMENTS \$14,50 \$75,861.00 1 Drainage Base Allowance 16,858 SF 4.50 \$75,861.00 2 Turf Anchor 746 LF 25.00 \$33,716.00 2 4' Wide Single Gate 4 EA 500.00 \$2,000.00 Locking Mechanism 4 EA 500.00 \$2,000.00 | | Field 1 | | 1 | ALLOW | 15000.00 | \$15,000.00 | |
| 8 Electrical Communication Boxes at Field 2 2 EA 400.00 \$800.00 9 Pedestrian / Vehicular Lighting 1 ALLOW 215000.00 \$215,000.00 Subtotal: \$1,466,600.00 \$242,747.00 1 Dog Park IMPROVEMENTS \$16,858 SF 4.50 \$75,861.00 Drainage Base Allowance 16,858 SF 2.00 \$33,716.00 Turf Anchor 746 LF 25.00 \$18,650.00 2 4' Wide Single Gate 4 EA 500.00 \$2,000.00 Locking Mechanism 4 EA 500.00 \$2,000.00 | | Field 2 | | 1 | ALLOW | 15000.00 | \$15,000.00 | |
| 9 Pedestrian / Vehicular Lighting 1 ALLOW 215000.00 \$215,000.00 Subtotal: \$1,466,600.00 00009 DOG PARK IMPROVEMENTS \$242,747.00 1 Dog Park - Turf 16,858 SF 4.50 \$75,861.00 | 7 | Electrical Communication Boxes at Field 1 | | 2 | EA | 400.00 | \$800.00 | |
| Subtotal: \$1,466,600.00 00009 DOG PARK IMPROVEMENTS \$242,747.00 1 Dog Park - Turf 16,858 SF 4.50 \$75,861.00 Drainage Base Allowance 16,858 SF 2.00 \$33,716.00 Turf Anchor 746 LF 25.00 \$18,650.00 2 4' Wide Single Gate 4 EA 500.00 \$2,000.00 Locking Mechanism 4 EA 500.00 \$2,000.00 | 8 | Electrical Communication Boxes at Field 2 | | 2 | EA | 400.00 | \$800.00 | |
| 00009 DOG PARK IMPROVEMENTS \$242,747.00 1 Dog Park - Turf 16,858 SF 4.50 \$75,861.00 Drainage Base Allowance 16,858 SF 2.00 \$33,716.00 Turf Anchor 746 LF 25.00 \$18,650.00 2 4' Wide Single Gate 4 EA 500.00 \$2,000.00 Locking Mechanism 4 EA 500.00 \$2,000.00 | 9 | Pedestrian / Vehicular Lighting | | 1 | ALLOW | 215000.00 | \$215,000.00 | |
| 1 Dog Park - Turf 16,858 SF 4.50 \$75,861.00 Drainage Base Allowance 16,858 SF 2.00 \$33,716.00 Turf Anchor 746 LF 25.00 \$18,650.00 2 4' Wide Single Gate 4 EA 500.00 \$2,000.00 Locking Mechanism 4 EA 500.00 \$2,000.00 | | Subtotal: | | | | | \$1,466,600.00 | |
| 1 Dog Park - Turf 16,858 SF 4.50 \$75,861.00 Drainage Base Allowance 16,858 SF 2.00 \$33,716.00 Turf Anchor 746 LF 25.00 \$18,650.00 2 4' Wide Single Gate 4 EA 500.00 \$2,000.00 Locking Mechanism 4 EA 500.00 \$2,000.00 | 00009 | DOG PARK IMPROVEMENTS | | | | | | \$242,747.00 |
| Drainage Base Allowance 16,858 SF 2.00 \$33,716.00 Turf Anchor 746 LF 25.00 \$18,650.00 2 4' Wide Single Gate 4 EA 500.00 \$2,000.00 Locking Mechanism 4 EA 500.00 \$2,000.00 | | | | 16,858 | SF | 4.50 | \$75,861.00 | , |
| Turf Anchor 746 LF 25.00 \$18,650.00 2 4' Wide Single Gate 4 EA 500.00 \$2,000.00 Locking Mechanism 4 EA 500.00 \$2,000.00 | | | | | SF | | | |
| 2 4' Wide Single Gate 4 EA 500.00 \$2,000.00 Locking Mechanism 4 EA 500.00 \$2,000.00 | | | | | | | | |
| Locking Mechanism 4 EA 500.00 \$2,000.00 | 2 | | | | | | | |
| | _ | <u> </u> | | | | | | |
| 3 Paddock Fence 879 LF 60.00 \$52.740.00 | 3 | Paddock Fence | | 879 | LF | 60.00 | \$52,740.00 | |

| 4 5 6 | 4' Wood Paddock Fence with Chain Link Fabric in turf anchor Mulch at Dogpark Dog Wash Station | | 466 13,000 1 | LF SF ALLOW | 80.00 1.00 7500.00 | \$37,280.00 \$13,000.00 \$7,500.00 | |
|-------------|---|----|--------------------|-------------------|--------------------------|--|---|
| | Subtotal: | | | | | \$242,747.00 | |
| 00010 | SITE IMPROVEMENTS | | | | | | \$2,021,450.00 |
| 1 | Site Walkways | | | | | | |
| | Porous Bituminous Concrete Pavement (Includes stone drainage base layers) | | 39,600 | SF | 12.00 | \$475,200.00 | |
| | Stabilized Stone Dust Pavement | | 12,034 | SF | 3.00 | \$36,102.00 | |
| 2 | Site Drives and Parking | | | | | | |
| | Conventional Bituminous Concrete Pavement | | 45,132 | SF | 4.50 | \$203,094.00 | |
| | Porous Bituminous Concrete Pavement (Includes stone drainage base layers) | | 47,174 | SF | 12.00 | \$566,088.00 | |
| 3 | Curbing | | | | | | |
| | Granite Curb | | 2,359 | LF | 45.00 | \$106,155.00 | |
| | Cape Cod Berm | | 3,997 | LF | 18.00 | \$71,946.00 | |
| 4 | Fencing | 5 | | | | | |
| | Wood Guardrail | | 910 | LF | 35.00 | \$31,850.00 | |
| | 8' high chain link fence at entrance | | 281 | LF | 65.00 | \$18,265.00 | |
| | 12' Wide Double Vehicular (Emergency Access) Gate | | 4 | EA | 2500.00 | \$10,000.00 | |
| 5 | Site Walls | 9 | | | | | |
| | Stone Walls at Basketball Court Area (Double Sided) | | 2,580 | SFF | 35.00 | \$90,300.00 | |
| | Cut Stone Cap | | 430 | LF | 25.00 | \$10,750.00 | |
| | Stone Walls at Parking Lot Entrance (Double Sided) | | 1,440 | SFF | 35.00 | \$50,400.00 | |
| | Cut Stone Cap | | 240 | LF | 25.00 | \$6,000.00 | |
| | Stone Retaining Wall at Pedestrian Entrance from Sprague Street (4' ave ht) | | 720 | SFF | 40.00 | \$28,800.00 | |
| | Stone Retaining Wall at Tennis Court (9' ave ht) | | 1,638 | SFF | 50.00 | \$81,900.00 | |
| | Stone Retaining Wall at Parking Loop (9' ave ht) | | 2,772 | SFF | 50.00 | \$138,600.00 | |
| 6 | Site Furniture | | I | ALLOW | 50000.00 | \$50,000.00 | |
| 7 | Miscellaneous Signage | | 12 | EA | 500.00 | \$6,000.00 | |
| | Traffic Signage Interpretive Passive Recreation Area Signage | | 12 | ALLOW | 15000.00 | | |
| | Entrance Signage and Map | | 2 | EA | 12500.00 | \$15,000.00 \$25,000.00 | |
| | Elliance signage and Map | | 2 | EA | 12300.00 | \$23,000.00 | |
| | Item Subtotal: | | | | | \$2,021,450.00 | |
| 00011 | SITE UTILITIES (STORM/SEWER/WATER) | | | | | | \$284,000.00 |
| 1 | Drain Lines HDPE | | 200 | LF | 50.00 | \$10,000.00 | , |
| 2 | Drain Lines 30" RCP | | 15 | LF | 100.00 | \$1,500.00 | |
| 3 | Filter Berms | 10 | 6 | EA | 1500.00 | \$9,000.00 | |
| 4 | Drainage Structures (Manholes) | | 8 | EA | 3500.00 | \$28,000.00 | |
| 5 | Drainage Structures (Drywell) | | 2 | EA | 6000.00 | \$12,000.00 | |
| 6 | Drainage Structures (Catchbasin) | | 1 | EA | 4500.00 | \$4,500.00 | |
| 7 | Drainage Structures (Outlets) | | 1 | EA | 8000.00 | \$8,000.00 | |

| 8 9 10 11 12 13 14 15 | Drainage Structures (Outlet Control Strucutres) Drainage Flat Drain (Included in Synthetic Turf Field Item) Storm Drainage Improvements Field 1 Storm Drainage Improvements Field 2 Storm Drainage Connection Sewer Structures Sewer Forcemain Sewer Gravity 6" PVC Sewer Connection | | 2 0 1 1 1 2 400 160 1 | EA LF ALLOW ALLOW ALLOW EA LF LF LS | 5200.00 15.00 25000.00 25000.00 15000.00 4000.00 10.00 60.00 9000.00 | \$10,400.00 \$0.00 \$25,000.00 \$25,000.00 \$15,000.00 \$8,000.00 \$4,000.00 \$9,600.00 | |
|--|--|---|---|---|--|--|----------------|
| 17 | Waterline | | 1,500 | LF | 65.00 | \$97,500.00 | |
| 18 | Waterline - connections | | 1 | LS | 7500.00 | \$7,500.00 | |
| | Item Subtotal: | | | | | \$284,000.00 | |
| 00012 | PLAYGROUND AREA | | | | | | \$235,200.00 |
| 1 | Equipment | | 1 | ALLOW | 100000.00 | \$100,000.00 | |
| 2 | Climbing Wall Allowance (Back side of Concessions Building) | | 1 | ALLOW | 12500.00 | \$12,500.00 | |
| 3 | Surfacing | | 3,272 | SF | 15.00 | \$49,080.00 | |
| 4 | 4' High Fencing | 5 | 357 | LF | 40.00 | \$14,280.00 | |
| 5 | Bocce Courts | | 2,156 | SF | 15.00 | \$32,340.00 | |
| 6 | Shade Structure | | 1 | ALLOW | 15000.00 | \$15,000.00 | |
| 7 | Picnic Tables and Benches | | 6 | EA | 2000.00 | \$12,000.00 | |
| | | | | | | | |
| | Item Subtotal: | | | | | \$235,200.00 | |
| 00013 | | | | | | \$235,200.00 | \$2.043.000.00 |
| 00013 | LANDSCAPE IMPROVEMENTS | | 8.000 | CY | 40.00 | | \$2,043,000.00 |
| 00013 1 2 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas | | 8,000 | CY ALLOW | 40.00 35000.00 | \$320,000.00 | \$2,043,000.00 |
| 1 | LANDSCAPE IMPROVEMENTS | | 8,000 | | 40.00 35000.00 | | \$2,043,000.00 |
| 1 2 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting | | 8,000 1 | | | \$320,000.00 | \$2,043,000.00 |
| 1 2 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting Seed and Irrigation | | 1 | ALLOW | 35000.00 | \$320,000.00 \$35,000.00 | \$2,043,000.00 |
| 1 2 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting | | 1 100,000 | ALLOW SF | 35000.00 0.75 | \$320,000.00 \$35,000.00 \$75,000.00 | \$2,043,000.00 |
| 1 2 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting Seed and Irrigation Upgrade Seeded Areas to Sod | | 1 100,000 100,000 | ALLOW SF SF | 35000.00 0.75 0.30 | \$320,000.00 \$35,000.00 \$75,000.00 \$30,000.00 | \$2,043,000.00 |
| 1 2 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting Seed and Irrigation Upgrade Seeded Areas to Sod Deciduous trees 3" caliper | | 1 100,000 100,000 300 | SF SF EA | 35000.00 0.75 0.30 1500.00 | \$320,000.00 \$35,000.00 \$75,000.00 \$30,000.00 \$450,000.00 | \$2,043,000.00 |
| 1 2 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting Seed and Irrigation Upgrade Seeded Areas to Sod Deciduous trees 3" caliper Ornamental Trees | | 1 100,000 100,000 300 100 | SF SF EA EA | 35000.00 0.75 0.30 1500.00 1000.00 | \$320,000.00 \$35,000.00 \$75,000.00 \$30,000.00 \$450,000.00 \$100,000.00 | \$2,043,000.00 |
| 1 2 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting Seed and Irrigation Upgrade Seeded Areas to Sod Deciduous trees 3" caliper Ornamental Trees Evergreen Trees | | 1 100,000 100,000 300 100 55 | SF SF EA EA | 35000.00 0.75 0.30 1500.00 1000.00 600.00 | \$320,000.00 \$35,000.00 \$75,000.00 \$30,000.00 \$450,000.00 \$100,000.00 \$33,000.00 | \$2,043,000.00 |
| 1 2 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting Seed and Irrigation Upgrade Seeded Areas to Sod Deciduous trees 3" caliper Ornamental Trees Evergreen Trees Shrubs | | 1 100,000 100,000 300 100 55 20,000 | SF SF EA EA EA SF | 35000.00 0.75 0.30 1500.00 1000.00 600.00 30.00 | \$320,000.00 \$35,000.00 \$75,000.00 \$30,000.00 \$450,000.00 \$100,000.00 \$33,000.00 \$600,000.00 | \$2,043,000.00 |
| 1 2 3 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting Seed and Irrigation Upgrade Seeded Areas to Sod Deciduous trees 3" caliper Ornamental Trees Evergreen Trees Shrubs Groundcover / Grasses | | 1 100,000 100,000 300 100 55 20,000 20,000 | SF SF EA EA EA SF | 35000.00 0.75 0.30 1500.00 1000.00 600.00 30.00 15.00 | \$320,000.00 \$35,000.00 \$75,000.00 \$30,000.00 \$450,000.00 \$100,000.00 \$33,000.00 \$600,000.00 \$300,000.00 | \$2,043,000.00 |
| 1 2 3 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting Seed and Irrigation Upgrade Seeded Areas to Sod Deciduous trees 3" caliper Ornamental Trees Evergreen Trees Shrubs Groundcover / Grasses Tree and Shrub Irrigation Allowance | | 1 100,000 100,000 300 100 55 20,000 20,000 | SF SF EA EA EA SF SF ALLOW | 35000.00 0.75 0.30 1500.00 1000.00 600.00 30.00 15.00 50000.00 | \$320,000.00 \$35,000.00 \$75,000.00 \$30,000.00 \$450,000.00 \$100,000.00 \$33,000.00 \$600,000.00 \$300,000.00 \$50,000.00 | \$2,043,000.00 |
| 1 2 3 | LANDSCAPE IMPROVEMENTS Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting Seed and Irrigation Upgrade Seeded Areas to Sod Deciduous trees 3" caliper Ornamental Trees Evergreen Trees Shrubs Groundcover / Grasses Tree and Shrub Irrigation Allowance Irrigation Well Allowance | | 1 100,000 100,000 300 100 55 20,000 20,000 | SF SF EA EA SF SF ALLOW | 35000.00 0.75 0.30 1500.00 1000.00 600.00 30.00 15.00 50000.00 25000.00 | \$320,000.00 \$35,000.00 \$75,000.00 \$30,000.00 \$450,000.00 \$100,000.00 \$33,000.00 \$600,000.00 \$300,000.00 \$50,000.00 \$25,000.00 | \$2,043,000.00 |
| 1 2 3 | Import and Spread Manufactured Planting Soil for Landscape Areas Stabilization of Seating Berms and Perimeter Landscape Planting Seed and Irrigation Upgrade Seeded Areas to Sod Deciduous trees 3" caliper Ornamental Trees Evergreen Trees Shrubs Groundcover / Grasses Tree and Shrub Irrigation Allowance Irrigation Well Allowance Invasive Plant Species Control Allowance | | 1 100,000 100,000 300 100 55 20,000 20,000 | SF SF EA EA SF SF ALLOW | 35000.00 0.75 0.30 1500.00 1000.00 600.00 30.00 15.00 50000.00 25000.00 | \$320,000.00 \$35,000.00 \$75,000.00 \$30,000.00 \$450,000.00 \$100,000.00 \$33,000.00 \$600,000.00 \$50,000.00 \$25,000.00 \$25,000.00 | \$2,043,000.00 |

| 2 | Main Vehicular Bridge | | 1 | ALLOW | 750832.00 | \$750,832.00 | |
|-------|---|----|---|-------|-----------|----------------|-----------------|
| 3 | Secondary Vehicular Bridge | | 1 | ALLOW | 205510.00 | \$205,510.00 | |
| 4 | Pedestrian Bridges (203 LF) | | 1 | ALLOW | 360460.00 | \$360,460.00 | |
| | Item Subtotal: | | | | | \$1,398,302.00 | |
| 00015 | SYNTHETIC FIELD MAINTENANCE | | | | | | \$95,000.00 |
| 1 | Utility Vehicle for Turf and General Park Maintenance | 12 | 1 | ALLOW | 60000.00 | \$60,000.00 | |
| 2 | Synthetic Turf Grooming Equipment | 12 | 1 | ALLOW | 35000.00 | \$35,000.00 | |
| | Item Subtotal: | | | | | \$95,000.00 | |
| 00016 | MOVEABLE ATHLETIC EQUIPMENT | | | | | | \$39,000.00 |
| 1 | Full Size Soccer Goals | | 4 | PR | 4000.00 | \$16,000.00 | |
| 2 | Mini Soccer Goals | | 8 | PR | 2000.00 | \$16,000.00 | |
| 3 | Field Hockey Goals | | 2 | PR | 2000.00 | \$4,000.00 | |
| 4 | Lacrosse Goals | | 4 | PR | 750.00 | \$3,000.00 | |
| | Item Subtotal: | | | | | \$39,000.00 | |
| | Construction Subtotal: | | | | | | \$11,129,183.09 |
| | 4% General Conditions | | | | | | \$445,167.32 |
| | 8% Contractor's Overhead and Profit | | | | | | \$890,334.65 |
| | CONSTRUCTION TOTAL: | | | | | _ | \$12,464,685.06 |
| | 10% Construction Contingency | | | | | | \$1,246,468.51 |
| | OPINION OF PROBABLE CONSTRUCTION COSTS 2018 | | | | | | \$13,711,153.57 |

ESCALATED OPINION OF PROBABLE CONSTRUCTION COSTS - (4%)

| \$14,259,599.71 |
|-----------------|
| \$14,829,983.70 |
| \$15,423,183.04 |
| |

NOTES:

- 1 Assume existing perimeter chain link fence can be utilized as a majority of the construction fencing in order to maintain a secure site.
- 2 Earthwork costs do not assume encountering unsuitable materials or ledge (unless otherwise noted.) H&A excavation indicates no ledge in Tennis area.
- 3 Synthetic turf carpet similar to products provided by FieldTurf, Astroturf, Shaw SportsTurf, SprinTurf and A-Turf.
- 4 Closed loop recyclable polypropylene resilient underlayment for added player protection. Requires an additional layer of geotextile fabric.
- 5 Fencing and protective netting systems shall be powder coated black.
- 6 Protective Netting systems include aluminum poles, ground sleeves with caps, hardware kit, cabling and 1 3/4" square mesh rope bound black nylon net.
- Assumes pre-fab construction with modest materials and finishes under Ch. 30/39M.
- 8 Conceptual pricing from Musco Sports Lighting (www.musco.com).

- 9 Assumes some utilization of rock spoils from Tennis Court area earthwork.
- 10 Stone berms located within stream channel to filter trash and sediment and provide modest reduction of peak flows in low intensity storm events.
- 11 Conceptual pricing provided by York Bridge.
- 12 Vehicle equivalent to Bobcat Toolcat. Cart or tractor mounted drag behind groomer, sweeper and magnet for removing debris.