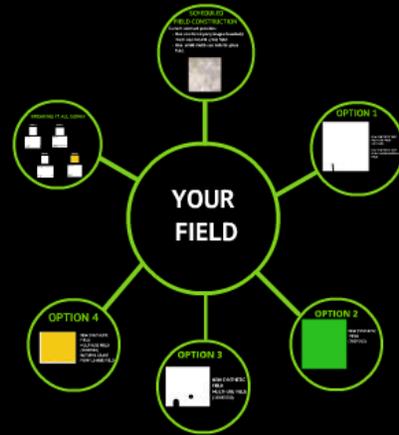


FIVE CORPORATION  
AND  
ENGINEERING DESIGN GROUP



# PARE CORPORATION AND BIRCHWOOD DESIGN GROUP

PRESENTS THE WHO AND THE WHY





Arthur J. Eddy, ASLA, LEED AP  
Principal

# THE WHO Our Project Team

## EXPERIENCE

### Recent Experience:

- East Bridgewater HS
- Franklin HS
- Marshfield HS
- Norwood HS
- Natick HS
- Plymouth North HS
- Somerset Berkley Regional HS
- Johnson & Wales University
- Cumberland Tucker Field



Andrew Chagnon, P.E.  
Managing Engineer



**Andrew Chagnon, P.E.**  
**Managing Engineer**



**Arthur J. Eddy, ASLA, LEED AP  
Principal**

# EXPERIENCE

## Recent Experience:

- East Bridgewater HS
- Franklin HS
- Marshfield HS
- Norwood HS
- Natick HS
- Plymouth North HS
- Somerset Berkley Regional HS
- Johnson & Wales University
- Cumberland Tucker Field



## DURABILITY

- EXTEND THE SEASON OF FIELD USE
- AVAILABILITY IN ANY WEATHER
- REDUCTION IN MAINTENANCE COSTS

# THE WHY

## The Bottom Line

## VALUE

| NATURAL GRASS  | SYNTHETIC TURF   |
|--|--|
| BASE CONSTRUCTION: \$150,000                               | BASE CONSTRUCTION: \$410,000                             |
| MATERIALS: \$2.75/SQ.FT. = \$220,000                       | MATERIALS: \$5.25/SQ.FT. = \$420,000                     |
| TOTAL CONSTRUCTION: \$370,000                              | TOTAL CONSTRUCTION: \$830,000                            |
| <b>30 YEAR OVERALL COSTS</b>                               |  |
| MAINTENANCE \$3,000/YEAR<br>\$3,000/YEAR<br>\$1,050,000.00 | MAINTENANCE \$8,000/YEAR<br>\$8,000/YEAR<br>\$240,000.00 |
| REPLACEMENT COSTS \$370,000                                | REPLACEMENT COSTS \$150,000                              |
| 30 YEAR OVERALL COSTS \$1,790,000.00                       | 30 YEAR OVERALL COSTS \$1,440,000.00                     |

## AVAILABILITY

| NATURAL GRASS   | SYNTHETIC TURF   |
|---|--|
| - 25 HOURS A WEEK<br>X<br>- 25 WEEKS A YEAR =<br>625 TOTAL HOURS A YEAR | - 25 HOURS A WEEK<br>X<br>- 44 WEEKS A YEAR =<br>1100 TOTAL HOURS A YEAR |

ONE SYNTHETIC FIELD PROVIDES THE USE OF TWO NATURAL GRASS FIELDS

# **DURABILITY**

- **EXTEND THE SEASON OF FIELD USE**
- **AVAILABILITY IN ANY WEATHER**
- **REDUCTION IN MAINTENANCE COSTS**

# AVAILABILITY

## NATURAL GRASS

- 25 HOURS A WEEK  
X
- 25 WEEKS A YEAR=  
625 TOTAL  
HOURS A YEAR

## SYNTHETIC TURF

- 25 HOURS A WEEK  
X
- 44 WEEKS A YEAR=  
1100 TOTAL  
HOURS A YEAR

**ONE SYNTHETIC FIELD PROVIDES  
THE USE OF TWO NATURAL  
GRASS FIELDS**

# VALUE

## NATURAL GRASS

BASE

CONSTRUCTION: \$150,000

MATERIALS:

\$2.75/SQ.FT.= \$220,000

TOTAL CONSTRUCTION: \$370,000

## SYNTHETIC TURF

BASE

CONSTRUCTION: \$430,000

MATERIALS:

\$5.25/SQ.FT.= \$420,000

TOTAL CONSTRUCTION: \$850,000

## 30 YEAR OVERALL COSTS

MAINTENANCE

\$35,000/YEAR

\$1,050,000.00

\$8,000/YEAR

\$240,000.00

REPLACEMENT COSTS

\$370,000

\$350,000

30 YEAR OVERALL COSTS

\$1,790,000.00

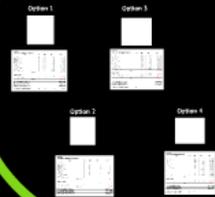
\$1,440,000.00

### SCHEDULED FIELD CONSTRUCTION

- Current contract provides:
- One combined pony league baseball/  
multi-use natural grass field.
  - One small multi-use natural grass  
field.



### BREAKING IT ALL DOWN



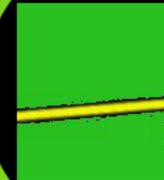
# YOUR FIELD

### OPTION 1



NEW SYNTHETIC TURF  
MULTI-USE FIELD  
(180X330)  
  
NEW SYNTHETIC TURF  
PONY LEAGUE BASEBALL  
FIELD

### OPTION 2



NEW SYNTHETIC  
FIELD  
(180X300)

### OPTION 3



NEW SYNTHETIC  
FIELD  
MULTI-USE FIELD  
(180X330)

### OPTION 4



NEW SYNTHETIC  
FIELD  
MULTI-USE FIELD  
(180X330)  
NATURAL GRASS  
PONY LEAGUE FIELD

# SCHEDULED FIELD CONSTRUCTION

Current contract provides:

- One combined pony league baseball/  
multi-use natural grass field.
- One small multi-use natural grass  
field.



# OPTION 1



**NEW SYNTHETIC TURF  
MULTI USE FIELD  
(180X330)**

**NEW SYNTHETIC TURF  
PONY LEAGUE BASEBALL  
FIELD**



# OPTION 2



**NEW SYNTHETIC  
FIELD  
(180X300)**



# OPTION 3



**NEW SYNTHETIC  
FIELD  
MULTI-USE FIELD  
(180X330)**



BITUMINOUS PAVING, TYP., SEE ENGINEERING PLANS FOR DETAILS

SOCCER FIELD

ASSESSORS MAP 197 LOT  
AREA = 31.331± ACRES

BITUMINOUS PAVING, TYP., SEE ENGINEERING PLANS FOR DETAILS

LIMIT OF SOIL PREPARATION  
FOR ATHLETIC  
FIELDS, SEE  
SPECIFICATION  
32 92 50

SEGMENTAL BLOCK RETAINING  
WALL, SEE ENGINEERING PLANS  
FOR DETAILS

PLAYERS BENCHES

PLAYERS BENCHES

STONE SAND SURFACE

SEGMENTAL BLOCK RETAINING  
WALL, SEE ENGINEERING PLANS  
FOR DETAILS

6" BLACK VINYL CHAIN  
LINK FENCE AND GATE

TIMBER POST AND  
CHAIN

SEGMENTAL  
WALL, SEE  
FOR DETAILS

STORY  
GYMNASIUM

N  
E  
M  
C

# OPTION 4

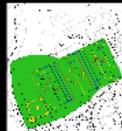


**NEW SYNTHETIC  
FIELD  
MULTI-USE FIELD  
(180X330)  
NATURAL GRASS  
PONY LEAGUE FIELD**



# BREAKING IT ALL DOWN

Option 1



| OPTION 1<br>STRUCTURE, FILL & DRAINAGE |       |      |            |                 |
|--|-------|------|------------|-----------------|
| ITEM                                   | UNIT  | QTY  | UNIT PRICE | TOTAL           |
| Structure Cost                         | sq ft | 1000 | 1.50       | 1500.00         |
| Fill                                   | cu yd | 1000 | 1.50       | 1500.00         |
| Drainage                               | sq ft | 1000 | 1.50       | 1500.00         |
| Subtotal                               |       |      |            | 4500.00         |
| Material                               | sq ft | 1000 | 1.50       | 1500.00         |
| Installation                           | sq ft | 1000 | 1.50       | 1500.00         |
| Subtotal                               |       |      |            | 3000.00         |
| <b>TOTAL FOR FILL OPTION 1</b>         |       |      |            | <b>7500.00</b>  |
| <b>TOTAL FOR STRUCTURE OPTION 1</b>    |       |      |            | <b>15000.00</b> |
| <b>TOTAL FOR PROBABLE COSTS</b>        |       |      |            | <b>22500.00</b> |

Option 3



| OPTION 3<br>STRUCTURE, FILL & DRAINAGE |       |      |            |                 |
|--|-------|------|------------|-----------------|
| ITEM                                   | UNIT  | QTY  | UNIT PRICE | TOTAL           |
| Structure Cost                         | sq ft | 1000 | 1.50       | 1500.00         |
| Fill                                   | cu yd | 1000 | 1.50       | 1500.00         |
| Drainage                               | sq ft | 1000 | 1.50       | 1500.00         |
| Subtotal                               |       |      |            | 4500.00         |
| Material                               | sq ft | 1000 | 1.50       | 1500.00         |
| Installation                           | sq ft | 1000 | 1.50       | 1500.00         |
| Subtotal                               |       |      |            | 3000.00         |
| <b>TOTAL FOR FILL OPTION 3</b>         |       |      |            | <b>7500.00</b>  |
| <b>TOTAL FOR STRUCTURE OPTION 3</b>    |       |      |            | <b>15000.00</b> |
| <b>TOTAL FOR PROBABLE COSTS</b>        |       |      |            | <b>22500.00</b> |

Option 2



| OPTION 2<br>STRUCTURE, FILL & DRAINAGE |       |      |            |                 |
|--|-------|------|------------|-----------------|
| ITEM                                   | UNIT  | QTY  | UNIT PRICE | TOTAL           |
| Structure Cost                         | sq ft | 1000 | 1.50       | 1500.00         |
| Fill                                   | cu yd | 1000 | 1.50       | 1500.00         |
| Drainage                               | sq ft | 1000 | 1.50       | 1500.00         |
| Subtotal                               |       |      |            | 4500.00         |
| Material                               | sq ft | 1000 | 1.50       | 1500.00         |
| Installation                           | sq ft | 1000 | 1.50       | 1500.00         |
| Subtotal                               |       |      |            | 3000.00         |
| <b>TOTAL FOR FILL OPTION 2</b>         |       |      |            | <b>7500.00</b>  |
| <b>TOTAL FOR STRUCTURE OPTION 2</b>    |       |      |            | <b>15000.00</b> |
| <b>TOTAL FOR PROBABLE COSTS</b>        |       |      |            | <b>22500.00</b> |

Option 4



| OPTION 4<br>STRUCTURE, FILL & DRAINAGE |       |      |            |                 |
|--|-------|------|------------|-----------------|
| ITEM                                   | UNIT  | QTY  | UNIT PRICE | TOTAL           |
| Structure Cost                         | sq ft | 1000 | 1.50       | 1500.00         |
| Fill                                   | cu yd | 1000 | 1.50       | 1500.00         |
| Drainage                               | sq ft | 1000 | 1.50       | 1500.00         |
| Subtotal                               |       |      |            | 4500.00         |
| Material                               | sq ft | 1000 | 1.50       | 1500.00         |
| Installation                           | sq ft | 1000 | 1.50       | 1500.00         |
| Subtotal                               |       |      |            | 3000.00         |
| <b>TOTAL FOR FILL OPTION 4</b>         |       |      |            | <b>7500.00</b>  |
| <b>TOTAL FOR STRUCTURE OPTION 4</b>    |       |      |            | <b>15000.00</b> |
| <b>TOTAL FOR PROBABLE COSTS</b>        |       |      |            | <b>22500.00</b> |

# Option 1



## OPTION 1 SYNTHETIC TURF FIELD & DRAINAGE

| ITEM                   | TYPE | UNIT  | COST         | TOTAL        |
|------------------------|------|-------|--------------|--------------|
| Concrete Curb          | LF   | 1500  | \$ 18.50     | \$27,750.00  |
| F&I Field Drainage     | SF   | 89500 | \$ 1.75      | \$156,625.00 |
| F&I Flat Drain         | SF   | 89500 | \$ 0.60      | \$53,700.00  |
| F&I 8" Base Stone      | SF   | 89500 | \$ 1.44      | \$128,880.00 |
| F&I 2" Finishing Stone | SF   | 89500 | \$ 0.60      | \$53,700.00  |
| Mobilization           | LS   | 1     | \$ 5,000.00  | \$5,000.00   |
| Turf Material          | SF   | 89500 | \$ 2.10      | \$187,950.00 |
| Rubber Material        | SF   | 89500 | \$ 0.70      | \$62,650.00  |
| Sand Material (E&L)    | SF   | 89500 | \$ 0.20      | \$17,900.00  |
| Installation           | LS   | 1     | \$ 65,000.00 | \$65,000.00  |
| Equipment & Closeout   | LS   | 1     | \$ 30,000.00 | \$30,000.00  |
| SUBTOTAL:              |      |       |              | \$789,155.00 |

### DEDUCTS/CREDITS

|                        |    |      |          |              |
|------------------------|----|------|----------|--------------|
| Seed                   | SY | 9950 | \$ 1.86  | \$18,507.00  |
| Common Borrow 8" Depth | CY | 2220 | \$ 39.33 | \$87,312.60  |
| SUBTOTAL:              |    |      |          | \$105,819.60 |

|                                  |                     |
|----------------------------------|---------------------|
| <b>TOTAL FOR FIELD OPTION 1:</b> | <b>\$683,335.40</b> |
| 20% CONTINGNENCY/DESIGN          | \$136,667.08        |
| <b>OPINION OF PROBABLE COSTS</b> | <b>\$820,002.48</b> |

|                                  |    |      |          |             |
|----------------------------------|----|------|----------|-------------|
| ALTERNATE #1: 4' PERIMETER FENCE | LF | 1500 | \$ 32.00 | \$48,000.00 |
|----------------------------------|----|------|----------|-------------|

**OPTION 1****SYNTHETIC TURF FIELD & DRAINAGE**

| ITEM                   | TYPE | UNIT  | COST         | TOTAL        |
|------------------------|------|-------|--------------|--------------|
| Concrete Curb          | LF   | 1500  | \$ 18.50     | \$27,750.00  |
| F&I Field Drainage     | SF   | 89500 | \$ 1.75      | \$156,625.00 |
| F&I Flat Drain         | SF   | 89500 | \$ 0.60      | \$53,700.00  |
| F&I 8" Base Stone      | SF   | 89500 | \$ 1.44      | \$128,880.00 |
| F&I 2" Finishing Stone | SF   | 89500 | \$ 0.60      | \$53,700.00  |
| Mobilization           | LS   | 1     | \$ 5,000.00  | \$5,000.00   |
| Turf Material          | SF   | 89500 | \$ 2.10      | \$187,950.00 |
| Rubber Material        | SF   | 89500 | \$ 0.70      | \$62,650.00  |
| Sand Material (E&L)    | SF   | 89500 | \$ 0.20      | \$17,900.00  |
| Installation           | LS   | 1     | \$ 65,000.00 | \$65,000.00  |
| Equipment & Closeout   | LS   | 1     | \$ 30,000.00 | \$30,000.00  |
| SUBTOTAL:              |      |       |              | \$789,155.00 |

**DEDUCTS/CREDITS**

|                        |    |      |          |              |
|------------------------|----|------|----------|--------------|
| Seed                   | SY | 9950 | \$ 1.86  | \$18,507.00  |
| Common Borrow 8" Depth | CY | 2220 | \$ 39.33 | \$87,312.60  |
| SUBTOTAL:              |    |      |          | \$105,819.60 |

|                                  |                     |
|----------------------------------|---------------------|
| <b>TOTAL FOR FIELD OPTION 1:</b> | <b>\$683,335.40</b> |
| 20% CONTINGNENCY/DESIGN          | \$136,667.08        |
| <b>OPINION OF PROBABLE COSTS</b> | <b>\$820,002.48</b> |

|   |    |      |          |             |
|---|----|------|----------|-------------|
| <b>ALTERNATE #1: 4' PERIMETER FENCE</b> | LF | 1500 | \$ 32.00 | \$48,000.00 |
|---|----|------|----------|-------------|

# Option 2



## OPTION 2 SYNTHETIC TURF FIELD & DRAINAGE

| ITEM                   | TYPE | UNIT  | COST         | TOTAL        |
|------------------------|------|-------|--------------|--------------|
| Concrete Curb          | LF   | 1000  | \$ 18.50     | \$18,500.00  |
| F&I Field Drainage     | SF   | 64000 | \$ 1.75      | \$112,000.00 |
| F&I Flat Drain         | SF   | 64000 | \$ 0.60      | \$38,400.00  |
| F&I 8" Base Stone      | SF   | 64000 | \$ 1.44      | \$92,160.00  |
| F&I 2" Finishing Stone | SF   | 64000 | \$ 0.60      | \$38,400.00  |
| Mobilization           | LS   | 1     | \$ 5,000.00  | \$5,000.00   |
| Turf Material          | SF   | 64000 | \$ 2.10      | \$134,400.00 |
| Rubber Material        | SF   | 64000 | \$ 0.70      | \$44,800.00  |
| Sand Material (E&L)    | SF   | 64000 | \$ 0.20      | \$12,800.00  |
| Installation           | LS   | 1     | \$ 55,000.00 | \$55,000.00  |
| Equipment & Closeout   | LS   | 1     | \$ 30,000.00 | \$30,000.00  |
| SUBTOTAL:              |      |       |              | \$581,460.00 |
| <b>DEDUCTS/CREDITS</b> |      |       |              |              |
| Seed                   | SY   | 7100  | \$ 1.86      | \$13,206.00  |
| Common Borrow 8" Depth | CY   | 1590  | \$ 39.33     | \$62,534.70  |
| SUBTOTAL:              |      |       |              | \$75,740.70  |

|                                  |                     |
|----------------------------------|---------------------|
| <b>TOTAL FOR FIELD OPTION 2:</b> | <b>\$505,719.30</b> |
| <b>20% CONTINGNENCY/DESIGN</b>   | <b>\$101,143.86</b> |
| <b>OPINION OF PROBABLE COSTS</b> | <b>\$606,863.16</b> |

## OPTION 2

### SYNTHETIC TURF FIELD & DRAINAGE

| ITEM                   | TYPE | UNIT  | COST         | TOTAL        |
|------------------------|------|-------|--------------|--------------|
| Concrete Curb          | LF   | 1000  | \$ 18.50     | \$18,500.00  |
| F&I Field Drainage     | SF   | 64000 | \$ 1.75      | \$112,000.00 |
| F&I Flat Drain         | SF   | 64000 | \$ 0.60      | \$38,400.00  |
| F&I 8" Base Stone      | SF   | 64000 | \$ 1.44      | \$92,160.00  |
| F&I 2" Finishing Stone | SF   | 64000 | \$ 0.60      | \$38,400.00  |
| Mobilization           | LS   | 1     | \$ 5,000.00  | \$5,000.00   |
| Turf Material          | SF   | 64000 | \$ 2.10      | \$134,400.00 |
| Rubber Material        | SF   | 64000 | \$ 0.70      | \$44,800.00  |
| Sand Material (E&L)    | SF   | 64000 | \$ 0.20      | \$12,800.00  |
| Installation           | LS   | 1     | \$ 55,000.00 | \$55,000.00  |
| Equipment & Closeout   | LS   | 1     | \$ 30,000.00 | \$30,000.00  |
| SUBTOTAL:              |      |       |              | \$581,460.00 |

### DEDUCTS/CREDITS

|                        |    |      |          |             |
|------------------------|----|------|----------|-------------|
| Seed                   | SY | 7100 | \$ 1.86  | \$13,206.00 |
| Common Borrow 8" Depth | CY | 1590 | \$ 39.33 | \$62,534.70 |
| SUBTOTAL:              |    |      |          | \$75,740.70 |

|                                  |                     |
|----------------------------------|---------------------|
| <b>TOTAL FOR FIELD OPTION 2:</b> | <b>\$505,719.30</b> |
| <b>20% CONTINGNENCY/DESIGN</b>   | <b>\$101,143.86</b> |
| <b>OPINION OF PROBABLE COSTS</b> | <b>\$606,863.16</b> |

# Option 3



## OPTION 3 SYNTHETIC TURF FIELD & DRAINAGE

| ITEM                                    | TYPE | UNIT  | COST         | TOTAL               |
|---|------|-------|--------------|---------------------|
| Concrete Curb                           | LF   | 1100  | \$ 18.50     | \$20,350.00         |
| F&I Field Drainage                      | SF   | 70000 | \$ 1.75      | \$122,500.00        |
| F&I Flat Drain                          | SF   | 70000 | \$ 0.60      | \$42,000.00         |
| F&I 8" Base Stone                       | SF   | 70000 | \$ 1.44      | \$100,800.00        |
| F&I 2" Finishing Stone                  | SF   | 70000 | \$ 0.60      | \$42,000.00         |
| Mobilization                            | LS   | 1     | \$ 5,000.00  | \$5,000.00          |
| Turf Material                           | SF   | 70000 | \$ 2.10      | \$147,000.00        |
| Rubber Material                         | SF   | 70000 | \$ 0.70      | \$49,000.00         |
| Sand Material (E&L)                     | SF   | 70000 | \$ 0.20      | \$14,000.00         |
| Installation                            | LS   | 1     | \$ 60,000.00 | \$60,000.00         |
| Equipment & Closeout                    | LS   | 1     | \$ 30,000.00 | \$30,000.00         |
| SUBTOTAL:                               |      |       |              | \$632,650.00        |
| <b>DEDUCTS/CREDITS</b>                  |      |       |              |                     |
| Backstop, Fencing, grading, lawn, equip | LS   | 1     | \$ 40,000.00 | \$40,000.00         |
| Seed                                    | SY   | 7800  | \$ 1.86      | \$14,508.00         |
| Common Borrow 8" Depth                  | CY   | 1740  | \$ 39.33     | \$68,434.20         |
| SUBTOTAL:                               |      |       |              | \$122,942.20        |
| <b>TOTAL FOR FIELD OPTION 3:</b>        |      |       |              | <b>\$509,707.80</b> |
| 20% CONTINGENCY/DESIGN                  |      |       |              | \$101,941.56        |
| <b>OPINION OF PROBABLE COSTS</b>        |      |       |              | <b>\$611,649.36</b> |
| ALTERNATE #1: 4' PERIMETER FENCE        | LF   | 1100  | \$ 32.00     | \$35,200.00         |

### OPTION 3

### SYNTHETIC TURF FIELD & DRAINAGE

| ITEM                   | TYPE | UNIT  | COST         | TOTAL        |
|------------------------|------|-------|--------------|--------------|
| Concrete Curb          | LF   | 1100  | \$ 18.50     | \$20,350.00  |
| F&I Field Drainage     | SF   | 70000 | \$ 1.75      | \$122,500.00 |
| F&I Flat Drain         | SF   | 70000 | \$ 0.60      | \$42,000.00  |
| F&I 8" Base Stone      | SF   | 70000 | \$ 1.44      | \$100,800.00 |
| F&I 2" Finishing Stone | SF   | 70000 | \$ 0.60      | \$42,000.00  |
| Mobilization           | LS   | 1     | \$ 5,000.00  | \$5,000.00   |
| Turf Material          | SF   | 70000 | \$ 2.10      | \$147,000.00 |
| Rubber Material        | SF   | 70000 | \$ 0.70      | \$49,000.00  |
| Sand Material (E&L)    | SF   | 70000 | \$ 0.20      | \$14,000.00  |
| Installation           | LS   | 1     | \$ 60,000.00 | \$60,000.00  |
| Equipment & Closeout   | LS   | 1     | \$ 30,000.00 | \$30,000.00  |
| SUBTOTAL:              |      |       |              | \$632,650.00 |

### DEDUCTS/CREDITS

|  |    |      |              |              |
|--|----|------|--------------|--------------|
| Backstop,Fencing, grading, lawn, equip | LS | 1    | \$ 40,000.00 | \$40,000.00  |
| Seed                                   | SY | 7800 | \$ 1.86      | \$14,508.00  |
| Common Borrow 8" Depth                 | CY | 1740 | \$ 39.33     | \$68,434.20  |
| SUBTOTAL:                              |    |      |              | \$122,942.20 |

|                                  |                     |
|----------------------------------|---------------------|
| <b>TOTAL FOR FIELD OPTION 3:</b> | <b>\$509,707.80</b> |
| <b>20% CONTINGNENCY/DESIGN</b>   | <b>\$101,941.56</b> |
| <b>OPINION OF PROBABLE COSTS</b> | <b>\$611,649.36</b> |

|                                  |    |      |          |             |
|----------------------------------|----|------|----------|-------------|
| ALTERNATE #1: 4' PERIMETER FENCE | LF | 1100 | \$ 32.00 | \$35,200.00 |
|----------------------------------|----|------|----------|-------------|

# Option 4



## OPTION 4 SYNTHETIC TURF FIELD & DRAINAGE

| ITEM                             | TYPE | UNIT  | COST         | TOTAL               |
|----------------------------------|------|-------|--------------|---------------------|
| Concrete Curb                    | LF   | 1100  | \$ 18.50     | \$20,350.00         |
| F&I Field Drainage               | SF   | 70000 | \$ 1.75      | \$122,500.00        |
| F&I Flat Drain                   | SF   | 70000 | \$ 0.60      | \$42,000.00         |
| F&I 8" Base Stone                | SF   | 70000 | \$ 1.44      | \$100,800.00        |
| F&I 2" Finishing Stone           | SF   | 70000 | \$ 0.60      | \$42,000.00         |
| Mobilization                     | LS   | 1     | \$ 5,000.00  | \$5,000.00          |
| Turf Material                    | SF   | 70000 | \$ 2.10      | \$147,000.00        |
| Rubber Material                  | SF   | 70000 | \$ 0.70      | \$49,000.00         |
| Sand Material (E&L)              | SF   | 70000 | \$ 0.20      | \$14,000.00         |
| Installation                     | LS   | 1     | \$ 60,000.00 | \$60,000.00         |
| 42" Fence on wall                | LF   | 373   | \$ 35.00     | \$13,055.00         |
| Fence Protection                 | LF   | 373   | \$ 5.00      | \$1,865.00          |
| Wall                             | SF   | 1500  | \$ 25.00     | \$37,500.00         |
| Fill Material                    | CY   | 2000  | \$ 35.00     | \$70,000.00         |
| Equipment & Closeout             | LS   | 1     | \$ 30,000.00 | \$30,000.00         |
| SUBTOTAL:                        |      |       |              | \$755,070.00        |
| <b>DEDUCTS/CREDITS</b>           |      |       |              |                     |
| Seed                             | SY   | 7800  | \$ 1.86      | \$14,508.00         |
| Common Borrow 8" Depth           | CY   | 1740  | \$ 39.33     | \$68,434.20         |
| SUBTOTAL:                        |      |       |              | \$82,942.20         |
| <b>TOTAL FOR FIELD OPTION 4:</b> |      |       |              | <b>\$672,127.80</b> |
| <b>20% CONTINGENCY/DESIGN</b>    |      |       |              | <b>\$134,425.56</b> |
| <b>OPINION OF PROBABLE COSTS</b> |      |       |              | <b>\$806,553.36</b> |
| ALTERNATE #1: 4' PERIMETER FENCE | LF   | 1100  | \$ 32.00     | \$35,200.00         |

## OPTION 4

### SYNTHETIC TURF FIELD & DRAINAGE

| ITEM                   | TYPE | UNIT  | COST         | TOTAL        |
|------------------------|------|-------|--------------|--------------|
| Concrete Curb          | LF   | 1100  | \$ 18.50     | \$20,350.00  |
| F&I Field Drainage     | SF   | 70000 | \$ 1.75      | \$122,500.00 |
| F&I Flat Drain         | SF   | 70000 | \$ 0.60      | \$42,000.00  |
| F&I 8" Base Stone      | SF   | 70000 | \$ 1.44      | \$100,800.00 |
| F&I 2" Finishing Stone | SF   | 70000 | \$ 0.60      | \$42,000.00  |
| Mobilization           | LS   | 1     | \$ 5,000.00  | \$5,000.00   |
| Turf Material          | SF   | 70000 | \$ 2.10      | \$147,000.00 |
| Rubber Material        | SF   | 70000 | \$ 0.70      | \$49,000.00  |
| Sand Material (E&L)    | SF   | 70000 | \$ 0.20      | \$14,000.00  |
| Installation           | LS   | 1     | \$ 60,000.00 | \$60,000.00  |
| 42" Fence on wall      | LF   | 373   | \$ 35.00     | \$13,055.00  |
| Fence Protection       | LF   | 373   | \$ 5.00      | \$1,865.00   |
| Wall                   | SF   | 1500  | \$ 25.00     | \$37,500.00  |
| Fill Material          | CY   | 2000  | \$ 35.00     | \$70,000.00  |
| Equipment & Closeout   | LS   | 1     | \$ 30,000.00 | \$30,000.00  |

SUBTOTAL:

\$755,070.00

#### DEDUCTS/CREDITS

|                        |    |      |          |             |
|------------------------|----|------|----------|-------------|
| Seed                   | SY | 7800 | \$ 1.86  | \$14,508.00 |
| Common Borrow 8" Depth | CY | 1740 | \$ 39.33 | \$68,434.20 |

SUBTOTAL:

\$82,942.20

|                                  |                     |
|----------------------------------|---------------------|
| <b>TOTAL FOR FIELD OPTION 4:</b> | <b>\$672,127.80</b> |
| <b>20% CONTINGNENCY/DESIGN</b>   | <b>\$134,425.56</b> |
| <b>OPINION OF PROBABLE COSTS</b> | <b>\$806,553.36</b> |

ALTERNATE #1: 4' PERIMETER FENCE

LF

1100

\$

32.00

\$35,200.00