

# Mt. Lebanon High School “Rock Pile” Field Options



**Construction Estimates  
October 2017**

# Rock Pile Recap

## Pre-construction:

- Marching band used the HS parking lot, and occasionally the Rock Pile, as practice location.
- Fall: Varsity/JV Field Hockey; 9<sup>th</sup> grade football; Soccer, Football, and Lacrosse Associations
- Spring: Boys and Girls Track – all of the throwing events; Soccer and Lacrosse Associations
- Summer: Football, Soccer, and Lacrosse Associations; Recreation programs

## Post-construction:

- Net add of 12,234 cubic yards of fill.
- Elevation increase – 6.3'
- The parking lot was designed for marching band use.
- Original contract documents called for the area to be returned to the pre-construction dimension.
- The Board approved an agreement with the General Contractor in April 2016 allowing for any fill/topsoil to remain and spread.

## Concept options for Board consideration presented in September 2017:

1. High School Project Contract – MTLSD add topsoil & seed the field.
2. Return the field to pre-construction dimensions & seed the field.
3. Place sod on the field – pre or post construction dimensions.
4. Install artificial surface on field using pre construction dimensions.
5. Install artificial surface /build retaining wall(s) to create regulation size football field.
6. Other

## Rock Pile Dimensions

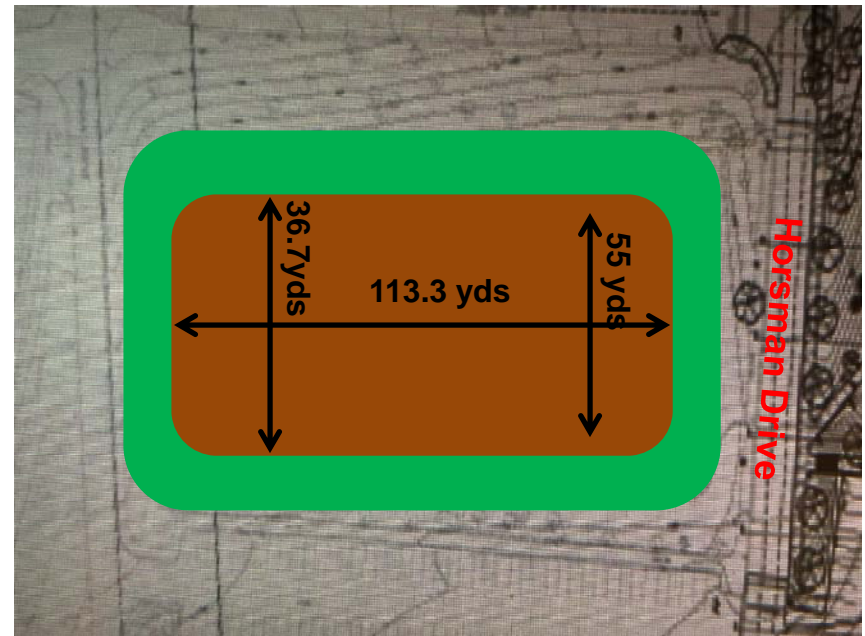
Dimension	Pre-Construction	Post-Construction
Length	133.3 yards	113.3 yards
Width	60 yards (east) 43.3 yards (west)	55yards (east) 36.7 yards (west)
Elevation		+6.3'

NFHS	Length	Width
Football	120 yards	53.3 yards (Competition) +@10 yards (coaching box/team area)
Soccer (Field Hockey/Lacrosse)	100-120 yards	55-80 yards (Competition) +@7 yards (coaching box/team area)

# Option #1 - \$136,300

## Current Dimension – Grass Surface

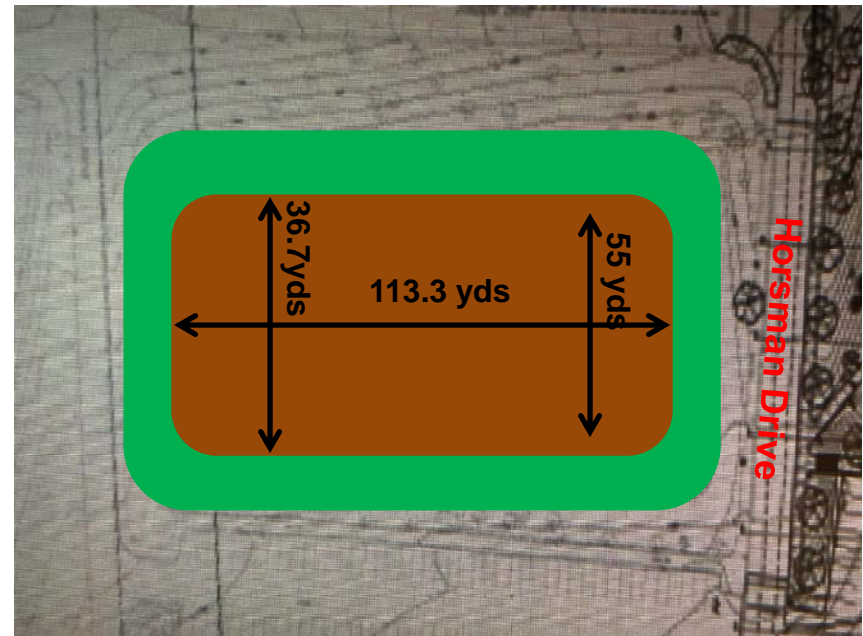
- Power rake
- Adjust fencing
- Install seed & irrigation



# Option #2 - \$183,000

## Current Dimension – Grass Surface

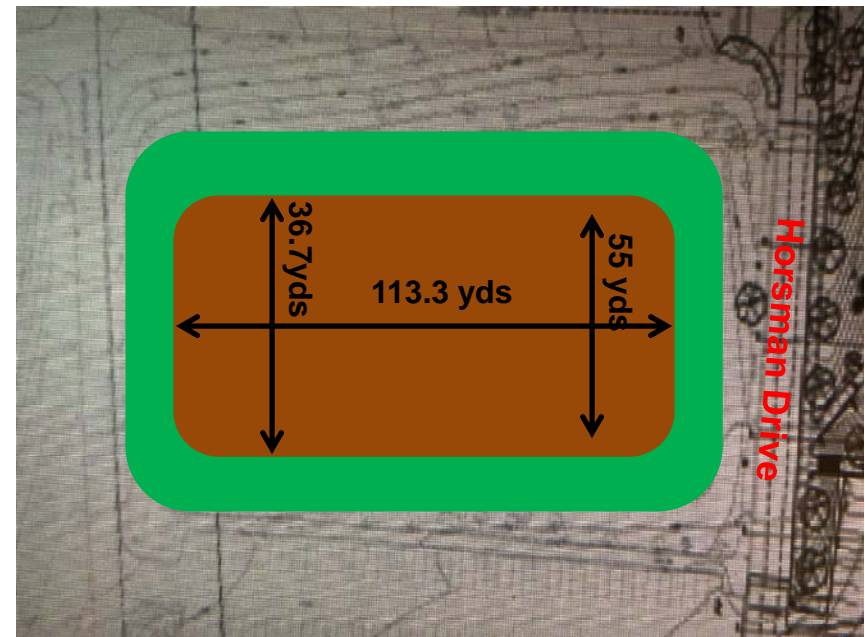
- Power rake
- Adjust fencing
- Add 1,260 tons of topsoil
- Seed peripheral area
- Install seed & irrigation



# Option #3 - \$217,000

## Current Dimension – Sod Surface

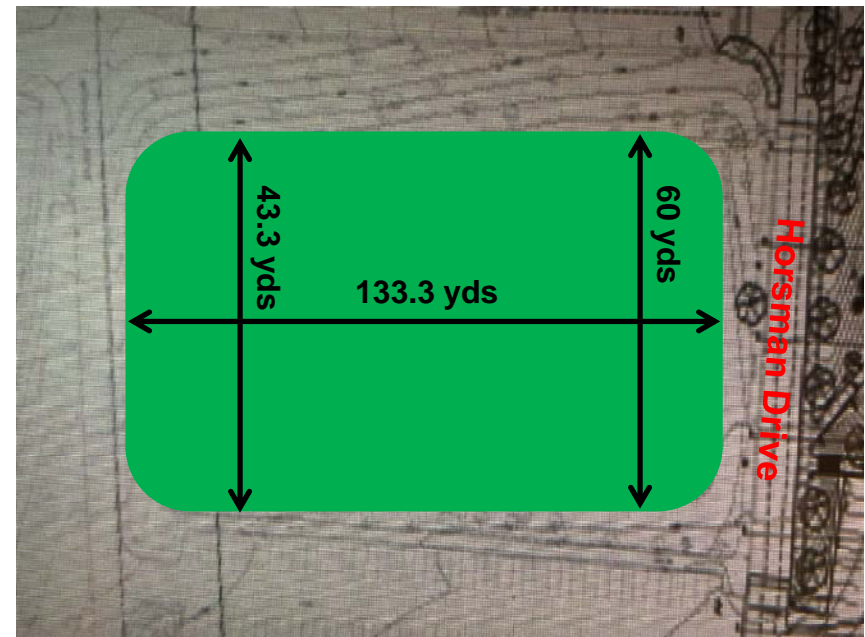
- Power rake
- Adjust fencing
- Add 1,260 tons of topsoil
- Seed peripheral area
- Install sod & irrigation



# Option #4 - \$394,900

## Pre-Construction Dimension – Grass Surface

- Remove excess soil
- Laser grade
- Add 1,700 tons of topsoil
- Install seed & irrigation/drainage

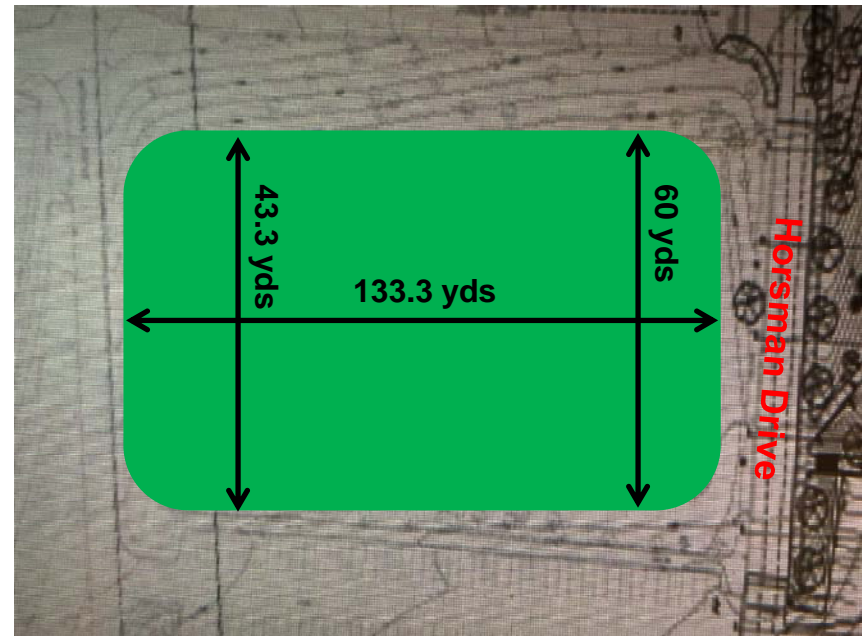




# Option #5 - \$437,600

## Pre-Construction Dimension – Sod Surface

- Remove excess soil
- Laser grade
- Add 1,700 tons of topsoil
- Seed peripheral areas
- Install sod & irrigation/drainage

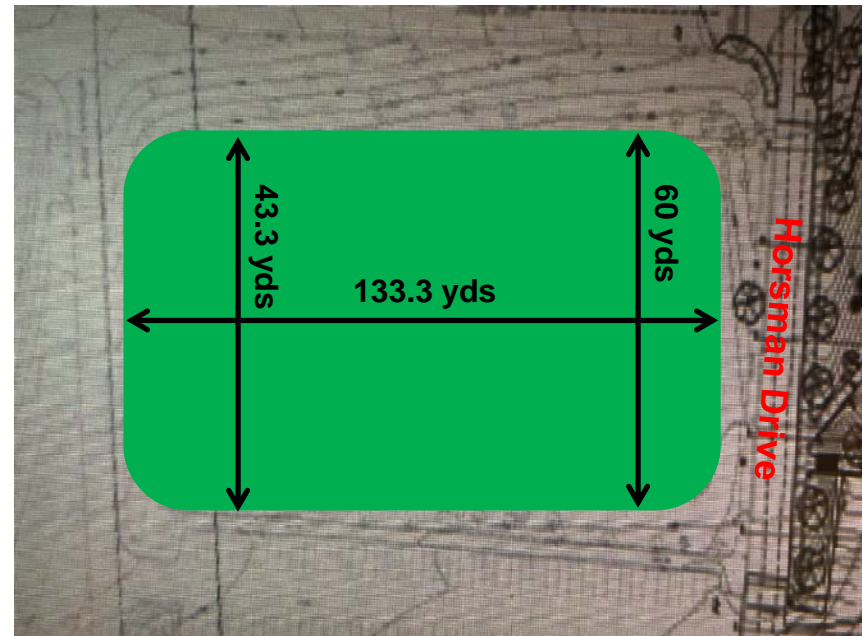




# Option #6 - \$943,000

## Pre-Construction Dimension – Artificial Surface

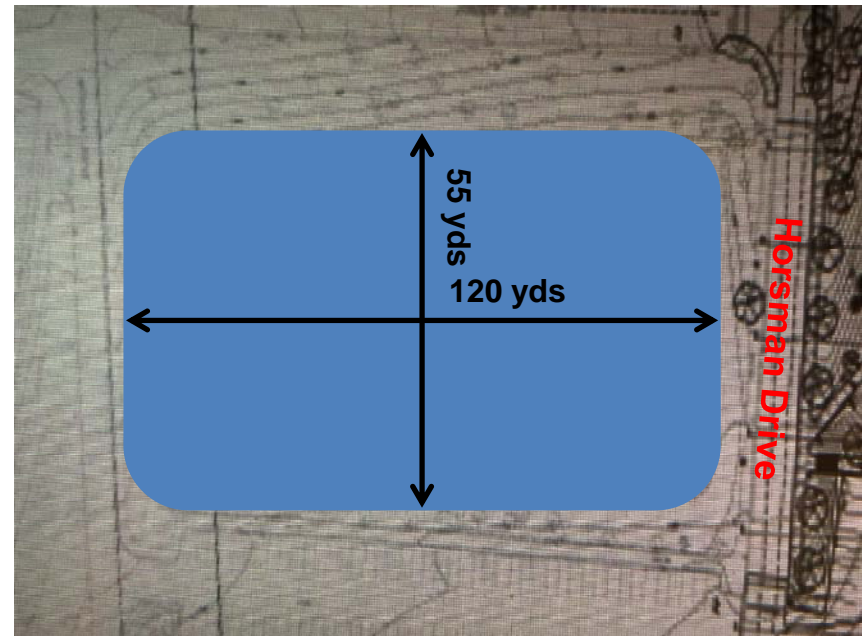
- Remove excess soil
- Install artificial surface on pre-construction field dimension



# Option #7 - \$463,000

## Practice Grass Surface

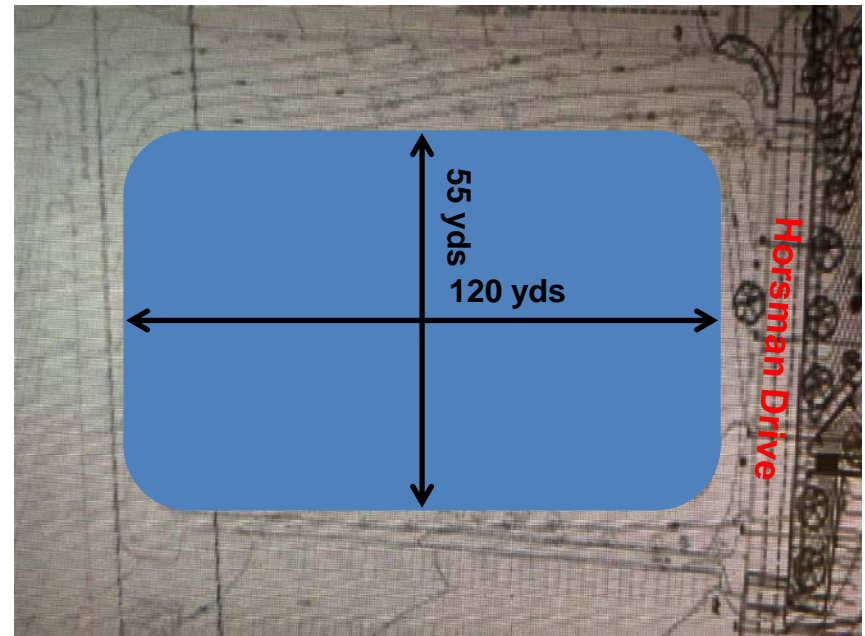
- Remove excess soil
- Laser grade
- Remove trees as necessary
- Adjust fences as necessary
- Develop retaining walls as necessary
- Add 1,500 tons of topsoil
- Install seed & irrigation/drainage



# Option #8 - \$504,000

## Practice Sod Surface

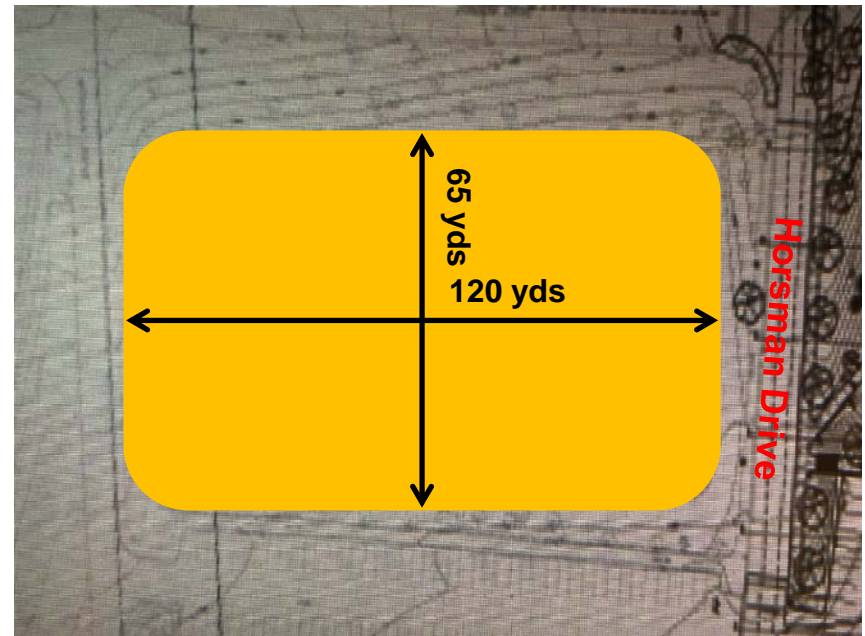
- Remove excess soil
- Laser grade
- Remove trees as necessary
- Adjust fences as necessary
- Develop retaining walls as necessary
- Add 1,500 tons of topsoil
- Install sod & irrigation/drainage



# Option #9 - \$595,000

## Competitive Grass Surface

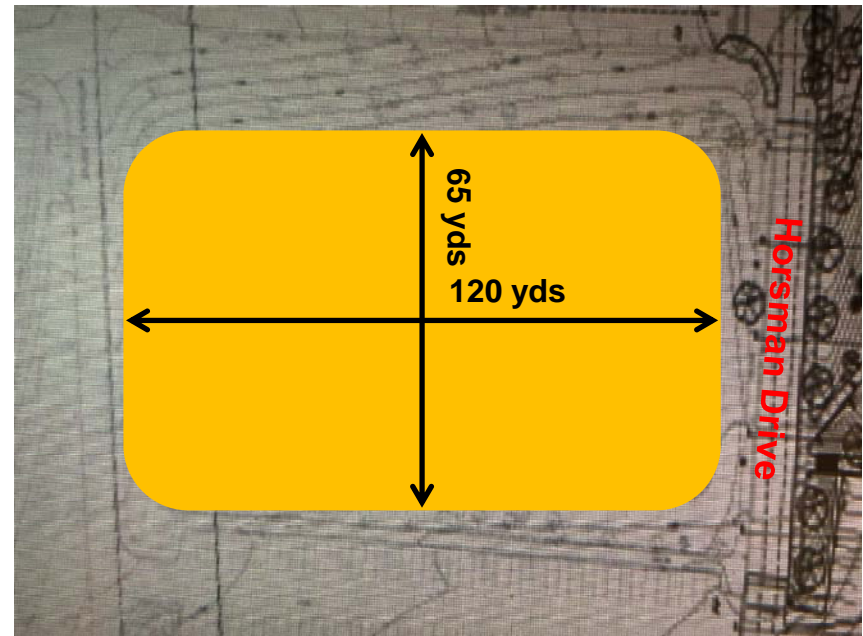
- Remove excess soil
- Laser grade
- Remove trees as necessary
- Develop retaining walls as necessary
- Adjust fence as necessary
- Add 2,000 tons of topsoil
- Install seed & irrigation/drainage



# Option #10 - \$641,000

## Competitive Sod Surface

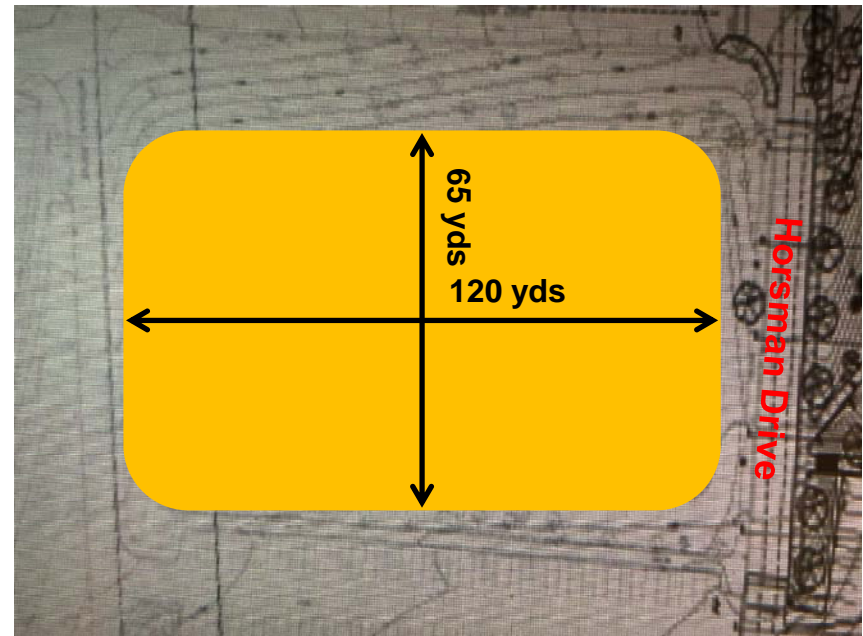
- Remove excess soil
- Laser grade
- Remove trees as necessary
- Develop retaining walls as necessary
- Adjust fence as necessary
- Add 2,000 tons of topsoil
- Install Sod & irrigation/drainage



# Option #11 - \$1,347,000

## Competitive Artificial Surface

- Remove excess soil
- Remove trees as necessary
- Develop retaining walls as necessary
- Adjust fence as necessary
- Seed area around field (requires soil)
- Provide safety netting
- Install artificial surface using competitive field dimension



# Additional Options

<b>Option 12 Artificial Surface MMS</b>	<b>Option 13 Artificial Surface JMS</b>	<b>Option 14 Rock Pile + Future Stadium Field</b>
\$1,400,000	\$950,000	\$1,700,000
BB/SB + FB Field		



# Unit Cost Estimates

Soil Removal	\$30.15/cubic yard
Remove & Replace Fencing	\$61,840
Segmental Block Retaining Wall	\$32/SF
PVC Drainage	\$47,225
Removal of Trees & Brush	\$6,000
Annual Maintenance of Grass Field	\$10,000
Annual Maintenance of Artificial Surface Field	\$4,650