



METHACTON

HIGH SCHOOL CAMPUS

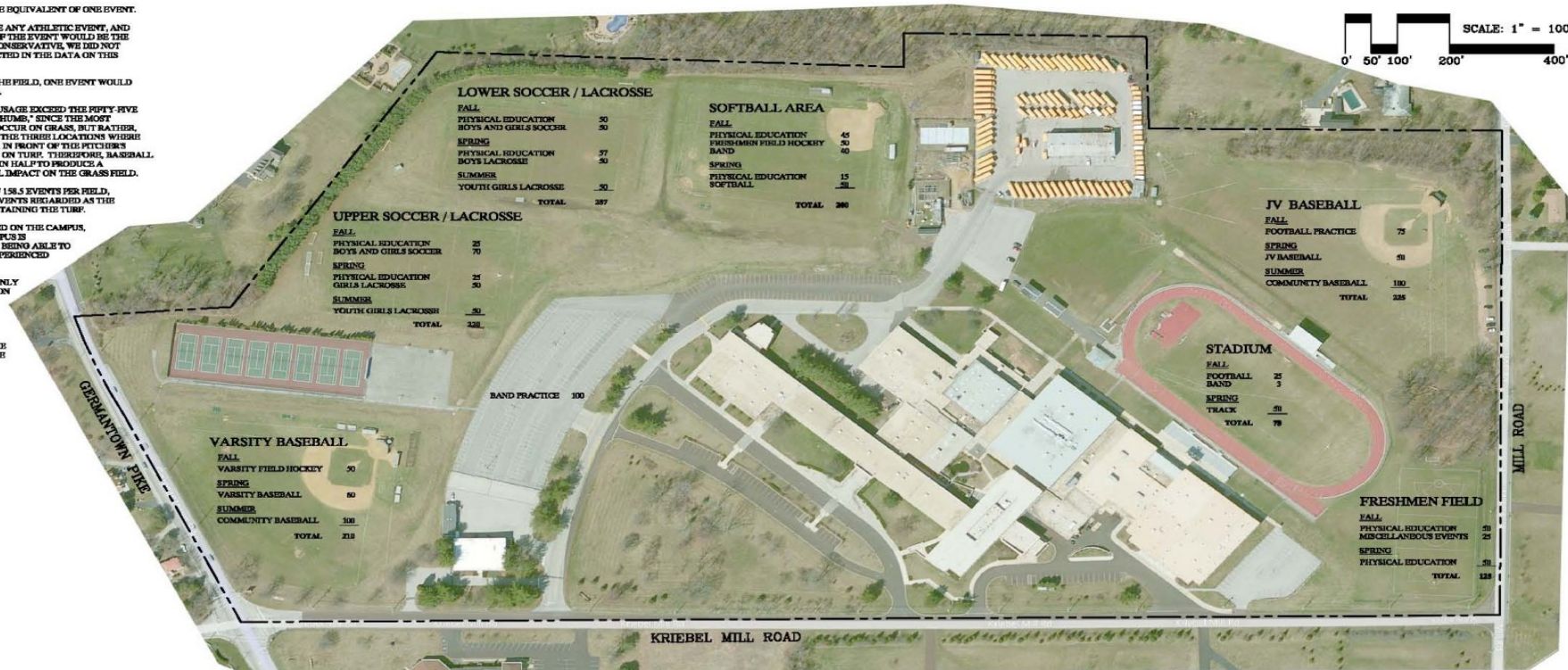
FIELD PROJECT

High School Campus Field Project

- Purpose of Field Project
- Historical Actions and Events
- Recommended Field Project
- Sequencing Strategy
- Board Questions/Discussion
- Recommendation

FIELD USE PARAMETERS

- ONE, TWO HOUR ACTIVITY EQUALS ONE EVENT.
- ANY PRACTICE SESSION ON A FIELD IS THE EQUIVALENT OF ONE EVENT.
- IF IT RAINS DURING, OR ON A DAY BEFORE ANY ATHLETIC EVENT, AND THE EVENT STILL OCCURS, THE IMPACT OF THE EVENT WOULD BE THE EQUIVALENT OF TWO EVENTS. TO BE CONSERVATIVE, WE DID NOT FACTOR THIS INTO THE NUMBERS REFLECTED IN THE DATA ON THIS PLAN.
- IF A PHYSICAL EDUCATION CLASS USES THE FIELD, ONE EVENT WOULD BE REALIZED PER EVERY THREE CLASSES.
- BASEBALL AND SOFTBALL FIELD EVENT USAGE EXCEEDED THE FIFTY-FIVE MAXIMUM EVENTS PER FIELD "RULE OF THUMB," SINCE THE MOST INTENSE USE OF THE SPORTS DOES NOT OCCUR ON GRASS, BUT RATHER, UPON INFIELD MIX. WITH THESE SPORTS, THE THREE LOCATIONS WHERE THE OUTFIELDERS STAND AND THE AREA IN FRONT OF THE PITCHERS MOUND RECEIVE THE MOST INTENSE USE ON TURF. THEREFORE, BASEBALL AND SOFTBALL EVENTS HAVE BEEN CUT IN HALF TO PRODUCE A "WEIGHTED VALUE" IN TERMS OF ACTUAL IMPACT ON THE GRASS FIELD.
- THIS RESULTS IN A CAMPUS AVERAGE OF 158.5 EVENTS PER FIELD, NEARLY THREE TIMES THE NUMBER OF EVENTS REGARDLESS AS THE MAXIMUM NUMBER ALLOWED FOR MAINTAINING THE TURF.
- BASED ON THE FIELD USAGE EXPERIENCED ON THE CAMPUS, THE METHACTON SCHOOL DISTRICT CAMPUS IS APPROXIMATELY 13 FIELDS DEFICIENT IN BEING ABLE TO ADEQUATELY ACCOMMODATE THE USE EXPERIENCED ON THE FIELDS TODAY.
- IF ONE WERE TO LIMIT FIELD USAGE TO ONLY SCHOOL DISTRICT ACTIVITIES, BASED UPON THE FIELD USAGE EXPERIENCED ON THE CAMPUS, THE METHACTON SCHOOL DISTRICT CAMPUS IS APPROXIMATELY 9.5 FIELDS DEFICIENT IN BEING ABLE TO ADEQUATELY ACCOMMODATE THE USE EXPERIENCED ON THE FIELDS TODAY. THE EXISTING SEVEN FIELDS WOULD AVERAGE 130 EVENTS PER FIELD.



FIELD USE TABULATION

FIELD IDENTIFICATION	UNWEIGHTED EVENTS	WEIGHTED EVENTS	WEIGHTED EVENTS SCHOOL USE ONLY
STADIUM FIELD	= 78	53	53
VARSITY BASEBALL FIELD	= 210	130	80
UPPER SOCCER / LACROSSE FIELD	= 220	220	170
LOWER SOCCER / LACROSSE FIELD	= 257	237	207
SOFTBALL AREA FIELD	= 200	175	175
JUNIOR VARSITY BASEBALL FIELD	= 225	150	100
FRESHMEN FIELD	= 125	125	125
AVERAGE NUMBER OF EVENTS PER FIELD	= 188	158.5	130
NUMBER OF FIELDS DEFICIENT	= 17	13	9.5

FIELD USAGE

METHACTON HIGH SCHOOL

EAGLEVILLE, PENNSYLVANIA

ATHLETIC FACILITIES RENOVATION PROJECT

architerra, pc.

12 JANUARY 2012

FIELD USE TABULATION

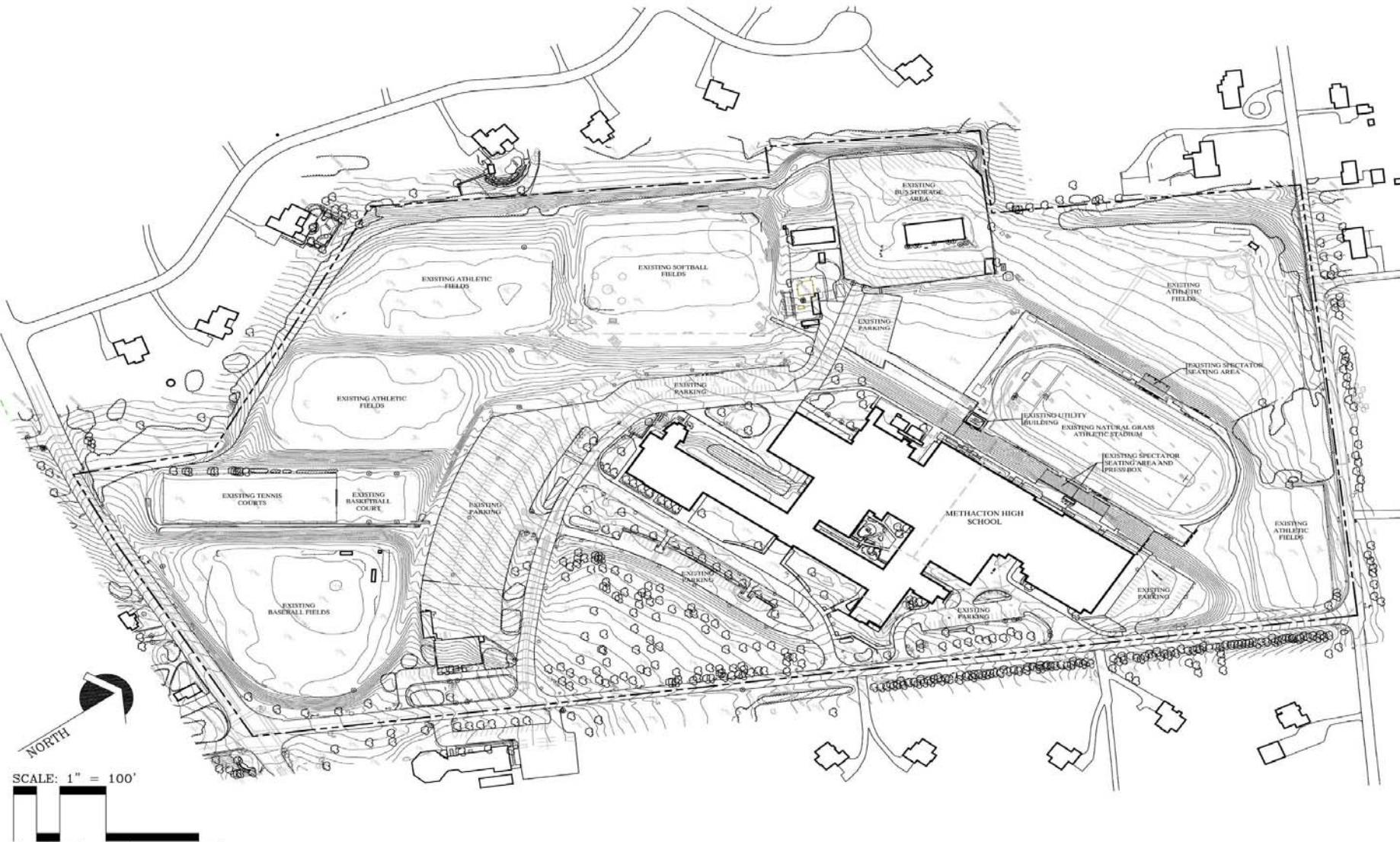
FIELD IDENTIFICATION		UNWEIGHTED EVENTS	WEIGHTED EVENTS	WEIGHTED EVENTS SCHOOL USE ONLY
STADIUM FIELD	=	78	53	53
VARSITY BASEBALL FIELD	=	210	130	80
UPPER SOCCER / LACROSSE FIELD	=	220	220	170
LOWER SOCCER / LACROSSE FIELD	=	257	257	207
SOFTBALL AREA FIELD	=	200	175	175
JUNIOR VARSITY BASEBALL FIELD	=	225	150	100
FRESHMEN FIELD	=	125	125	125
AVERAGE NUMBER OF EVENTS PER FIELD	=	188	158.5	130
NUMBER OF FIELDS DEFICIENT	=	17	13	9.5

Historical Actions and Events

- October 25, 2011 – Board approves field and light improvement project.
- March 27, 2012 – Architerra presents 2 field concept to Board
- May 15, 2013 – Core Concept K is presented and is determined by Board to be most favorable field drawing.
- May – June 2013 – Drawing K undergoes modifications in order to meet regulatory, playability, and safety requirements.

Historical Actions and Events

- June 25, 2013 – Board authorizes debt restructuring and approval of 2013-2014 budget to include \$5.5 Million bond allocation
- July 16, 2013 – Architerra and Administration present status of Field improvement project
- December 18, 2013 – Worcester Twp. Planning Commission recommends preliminary final approval of land development & adoption of ordinance
- January 7, 2014 – Architerra and Administration present Field Project and approval of bid solicitation
- January 15, 2014 – Worcester Twp. Supervisors grant preliminary final approval for land development



LAND ARCHITECT

architerra, pc.

201 North Main Street Coopersburg, Pennsylvania 18033

FOR REVIEW
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CONSTRUCTION

PROJECT TITLE

METHACTON
HIGH
SCHOOL

ATHLETIC FACILITIES
RENOVATION PROJECT

EAGLEVILLE,
PENNSYLVANIA

DATE

7 JANUARY 2014

REVISIONS

Professional Law Associates
and Associates, Inc. is the
design professional for this
project. We warrant that the
information on this plan
is accurate.

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SHEET TITLE

EXISTING
CONDITIONS

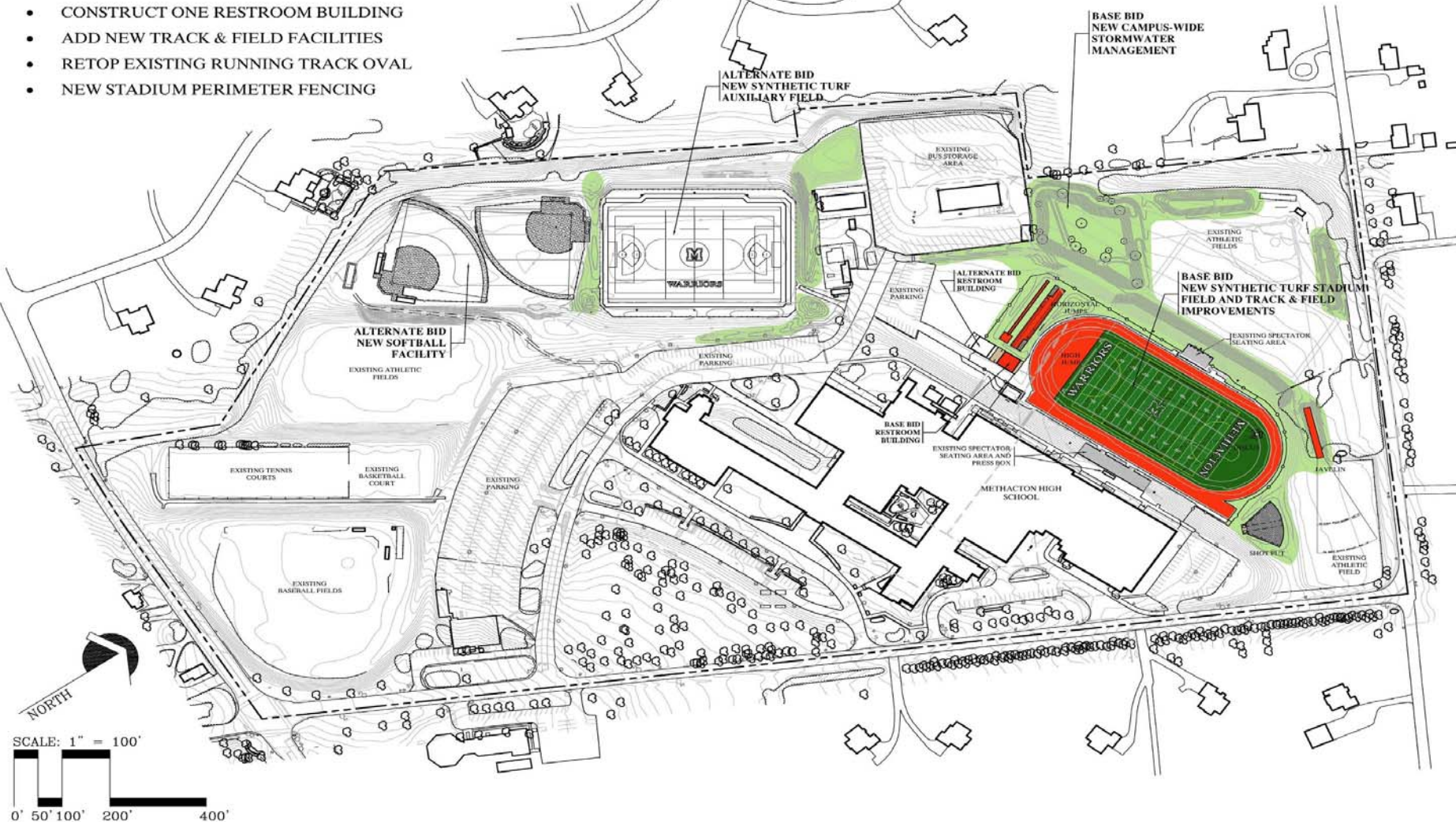
SHEET NUMBER


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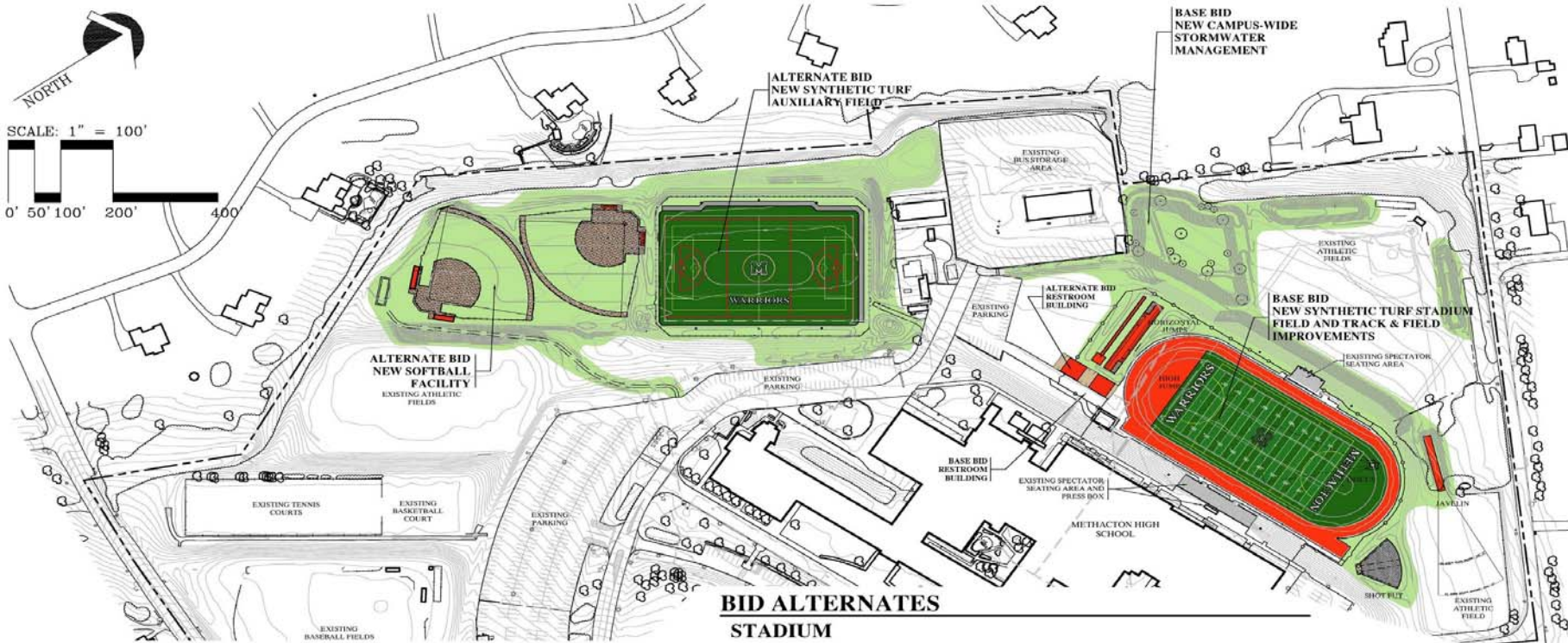
2014

BASE BID PROJECT SCOPE OF WORK

- INSTALL CAMPUS-WIDE STORMWATER MANAGEMENT SYSTEM
- CONVERT STADIUM FIELD TO SYNTHETIC TURF
- CONSTRUCT ONE RESTROOM BUILDING
- ADD NEW TRACK & FIELD FACILITIES
- RETOP EXISTING RUNNING TRACK OVAL
- NEW STADIUM PERIMETER FENCING



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PROJECT TITLE METHACTON HIGH SCHOOL										
ATHLETIC FACILITIES RENOVATION PROJECT										
EAGLEVILLE, PENNSYLVANIA										
DATE 7 JANUARY 2014										
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SHEET TITLE SITE PLAN BID COMPONENTS BASE BID										
SHEET NUMBER										
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BID ALTERNATES STADIUM

- ADD SECOND RESTROOM STRUCTURE
- DOWNGRADE NEW TRACK SURFACE
- ELIMINATE RE-TOPPING OF EXISTING TRACK
- ADD FIELD LIGHTING TO STADIUM FIELD
- ADD FIELD LIGHTING WITHOUT LIGHTING SYSTEM
- ADD FIELD LIGHTING EMPTY CONDUIT ONLY
- ADD SOUND REINFORCEMENT SYSTEM AND POLES
- ADD SOUND REINFORCEMENT SYSTEM WITHOUT POLES
- ELIMINATE END ZONE GRAPHICS ON FIELD
- ADD BALL CONTROL NETTING
- ADD POLE VAULT UPRIGHT SUPPORTS
- ADD TWO SAND CATCHER SYSTEMS AND ONE PIT COVER

BID ALTERNATES

AUXILIARY FIELD AND SOFTBALL FIELDS

- ELIMINATE SOFTBALL FIELD FENCES AND WARNING TRACK
- ADD NON-FIELD LIGHTING ELECTRICAL SERVICE AND COMPONENTS
- ADD FIELD LIGHTING TO AUXILIARY FIELD
- ADD FIELD LIGHTING WITHOUT LIGHTING SYSTEM
- ADD FIELD LIGHTING EMPTY CONDUIT ONLY
- ADD SOUND REINFORCEMENT SYSTEM AND POLES
- ADD SOUND REINFORCEMENT SYSTEM WITHOUT POLES
- ADD BALL CONTROL NETTING
- ADD FLAG POLE
- ELIMINATE TWO MODULAR DUGOUTS AT VARSITY SOFTBALL

LAND ARCHITECT
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280 North Main Street Coopersburg, Pennsylvania 18038

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PROJECT TITLE
**METHACTON
HIGH
SCHOOL**

**ATHLETIC FACILITIES
RENOVATION PROJECT**

**EAGLEVILLE,
PENNSYLVANIA**

DATE
7 JANUARY 2014

REVISIONS

Professional Seal Required
For Recording Plans Under the
Pennsylvania Professional Seal
Law. This Drawing Is Not Valid For
Construction Without the
Professional Seal.

SHEET TITLE
**SITE PLAN
BID COMPONENTS
ALTERNATE BIDS**

SHEET NUMBER

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Recommended Project

- Athletic Advisor Committee
- Architect
- Superintendent
- Safety, playability, and creating an athletic complex commensurate with the quality of our district

Recommended Project

Base Bid

- Install campus-wide storm water management system
- Stadium field to be converted to synthetic turf
- Construct one restroom building
- Add new track and field facilities
- Re-top existing running track oval
- New stadium perimeter fencing

Recommended Project

- Construct auxiliary field with synthetic turf and construct two softball fields
- Add field lights to stadium
- Add field lights to auxiliary field
- Add ball control at stadium field
- Add ball control at auxiliary field

Recommended Project

- Add sound reinforcement at auxiliary field
- Add new pole vault uprights
- Add sound reinforcement to stadium field
- Add second rest room building
- Construction Management
- Accumulated Project Costs (Legal/Architect/Permits)

Sequencing Strategy

Commitment Required to move forward:

- Athletic Department needs sufficient time to arrange contingencies
- Secure Project Management firm prior to ground breaking
- Allows for fundraising efforts to move forward
- Establishes commitment to moving graduation
- Allows for more complete budget picture
- Allows us to prioritize the remaining 2013-1014 capital projects
- Allow us to have funds on hand at beginning of the field project

Time Line (Future)

- February 4, 2014 - Conditional Use hearing
- February 19, 2014 - Bid Due Date
- March 2014 – Bid Award
- Early April 2014 – Construction Start
- September 9, 2014 – Construction Ends