

Avon High School Synthetic Turf Field Project

Fisher Meadows Field Expansion Project

September 22, 2016



AHS Synthetic Turf Field: The Charge

- **April 2016**—The Town Council appointed a 8 member committee with the following **charge**:
 - Proceed to design development stage of planning and develop cost estimate for a synthetic turf field and related improvements at the Avon High School;
 - Assess and recommend a base bid and alternates, amenities, and site improvements. ***At minimum*** a new all-weather main multi-use synthetic turf field, a track, and athletic lighting;
 - Assess and recommend programming, operations and utilization of the site with consideration given to the impact on residents in surrounding areas, and;
 - Present a final proposal, including cost, and an updated statement of need to the Town Council and the Board of Education.



Existing Conditions



Recommended Option

Avon High School Athletic Facility

Avon, CT

09/06/14 09/06/14 09/06/14 09/06/14

BSC GROUP

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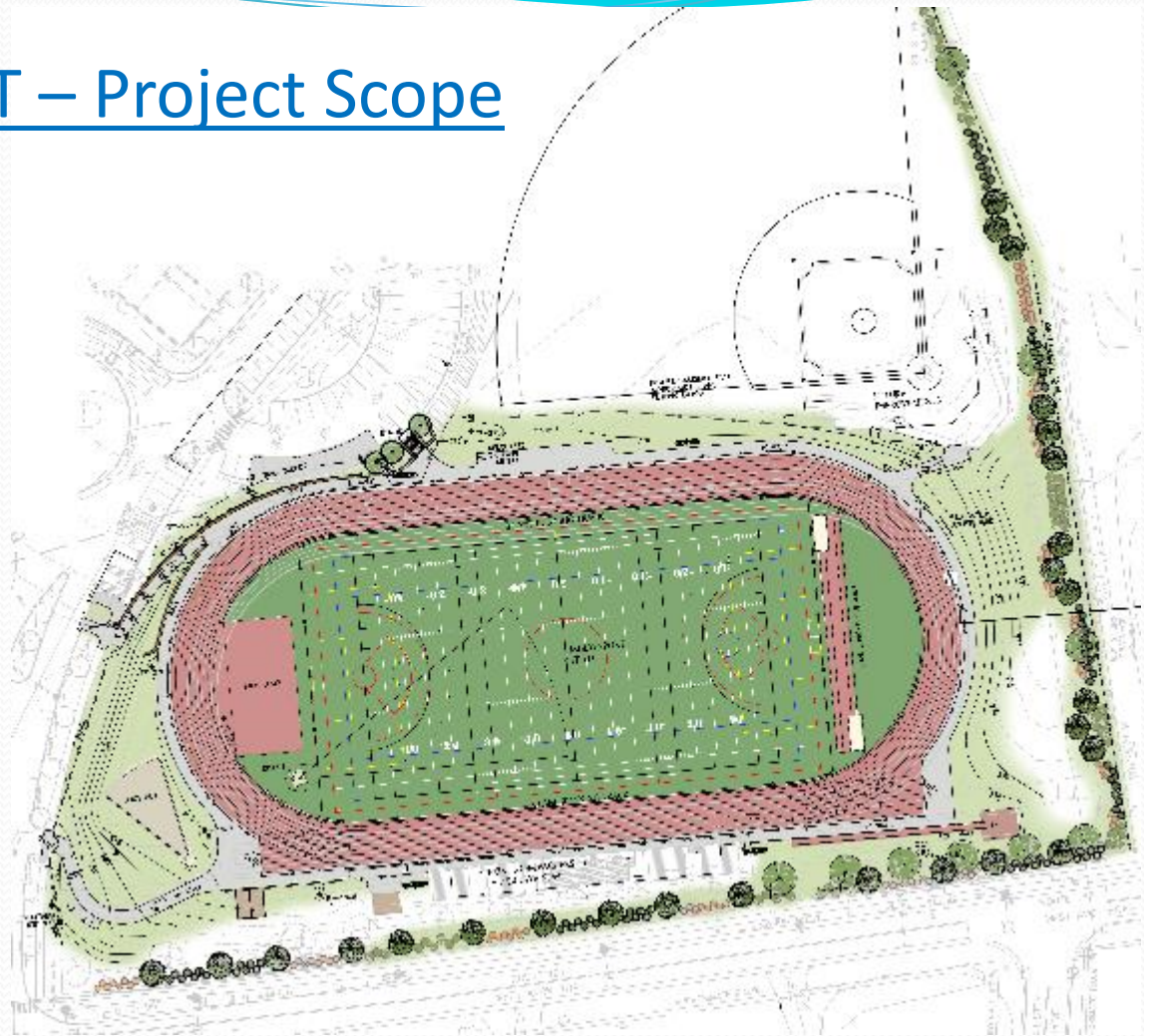


RECOMMENDED LAYOUT

RECOMMENDED LAYOUT – Project Scope

Base Project:

1. 8 lane track and straight
2. Synthetic turf interior field
3. Existing bleachers to remain
4. Field events, walks and driveways
5. No visitor side accommodations
6. Entry and retaining walls NE
7. New security fence North and East only
8. Athletic lighting
9. Pedestrian lighting
10. Planted buffers & fence at property line (south)
11. Planted buffer at West Avon Road (full property frontage)
12. Maintenance equipment
13. LAX safety netting, ends only
14. Public address system



Base Project Alternates

1. – Bleachers, press box, (structural bleacher)
2. – Storage building
3. – Non-fixed field equipment (hurdles, pads, goals, etc.)
4. – Turf north field hockey field

PROJECT SCOPE – RUNNING TRACK



Structural Topcoat with Rubber Pigment
Black SBR Granules
Concrete or Asphalt

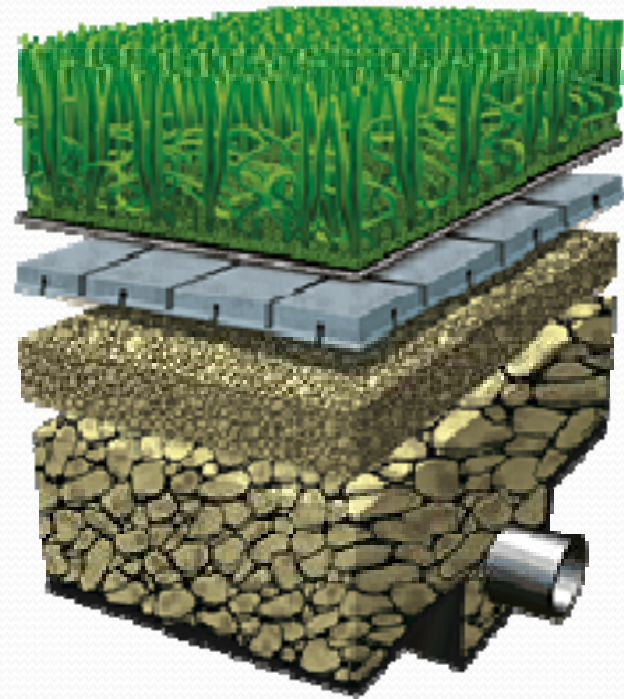
1. Urethane base mat (porous system) (95% solution)
2. Color: red
3. High school track event layout & standard.



PROJECT SCOPE – SYNTHETIC TURF

2" knap turf, *resilient pad*, sand and *COATED* SBR (recycled rubber infill)

- Should crumb rubber ever be deemed hazardous: infill can be removed and new infill can be installed; resilient pad allows flexibility as to future type
- Add approx. \$150,000 over traditional rubber infill



SYNTHETIC TURF SYSTEM:
SAND & *COATED* CRUMB RUBBER INFILL
RESILIENT PAD
STONE DRAINAGE SYSTEM

PROJECT SCOPE – ATHLETIC LIGHTING

1. Highly focused, state of the art
2. Metal Halide source
3. 4 pole, system 70-80' high poles
4. Service, remote controls and warranty
5. Typical lighting levels (not pro-filming levels)



RECOMMENDED LAYOUT – Project Budget

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Base Project Materials:

- Turf with resilient pad, sand & coated SBR rubber infill
- Asphalt running track with Urethane base mat surface
- Athletic lighting, controls, service & warranty
- PA System

BASE BUDGET COST:

\$3,483,000.00

**INCLUDING 15%
(\$454,230.00) CONTINGENCY**





RECOMMENDED LAYOUT – Options Items Budget

New Home Bleacher & Press box:

1. 1,000 seat structural frame (storage & access below) with press box, electrical, and bleacher lighting

BLEACHER OPTION BUDGET COST: ADD \$459,000

Storage building:

1. 20'x22' prefabricated, non-conditioned wood shed on a gravel pad

STORAGE BUILDING OPTION BUDGET COST: ADD \$ 26,000

Non-Fixed Athletic Field Equipment:

1. Soccer goals, hurdles, hurdle carts, high jump pads, pole vault pads, discus netting, sideline LAX netting, football chains and pylons, etc.

NON-FIXED EQUIPMENT OPTION BUDGET COST: ADD \$ 79,000

North Field Option (Field Hockey):

1. Convert north field to synthetic turf, install drainage, 4' ht. chain link perimeter fence.

NORTH FIELD OPTION BUDGET COST: ADD \$1,134,000

ALL COSTS INCLUDE 15% CONTINGENCY

RECOMMENDED LAYOUT – Budget Summary

BASE PROJECT: (MAIN FIELD TRACK, TURF & LIGHTING) \$3,483,000

BASE PROJECT OPTIONS

1. OPTION – BLEACHERS AND PRESS BOX	\$ 459,000
2. OPTION – STORAGE BUILDING	\$ 26,000
3. <u>OPTION – NON-FIXED FIELD EQUIPMENT (HURDLES, PADS, GOALS, ETC)</u>	<u>\$ 79,000</u>

BASE PROJECT WITH OPTIONS: ***\$4,047,000***

NORTH FIELD ***\$1,134,000***



ALL COSTS INCLUDE 15% CONTINGENCY



Recommended Operations & Use

- High School Events (User Group A)- Up to 15 lighted events Monday-Saturday during academic year
- Events and P.A. end by 9:30pm
- Lights off by 10:00pm
- Exception for 4 additional lighted events in the event of multiple teams making the playoffs



Operations & Use—Continued

- Town Organizations (User Group B)
- Religious and Not for Profit Organizations (User Group C) :
- Scheduled through the BOE to determine appropriate use and availability.
- Lighted events Monday-Saturday
 - Events end at 7:30pm.
 - Lights must be off by 7:45pm
 - No use of P.A.
 - No lights on Sunday

Fisher Meadows Expansion

