Athletic Fields Report

prepared by;

ksq design

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North Salem Central School District
School Board Meeting; 30 October 2019
Meeting Agenda:

• Historical Overview of North Salem Fields Study
  (2004 Kotz Report / approx. 15 years of discussion / other reports & testing / grass whisperer / community input / community concern)

• Charge to KSQ / Chazen (Turf Planning & Tompkins Field)

• Why Turf for North Salem Schools?

• Presentation of Turf & Tompkins Field Report

• Preliminary Budget Costs

• Schedule & Next Steps
Why Turf for North Salem Schools?

- natural vs. synthetic turf
- lost field play time on natural turf
- expectations with peer school districts
- opportunity to add athletic field inventory
- meet expectations of North Salem Athletic Community…
Potential Turf Locations Evaluated: A, B & C
Turf Location Evaluation Criteria:

• North-South Orientation is Ideal

• 210 ft. X 360 ft. permits “full size” / contemporary field including safety zones

• Create Additional Field Inventory

• Night Time Lighting Conditions

• Other Potential Space Needs; bleachers, press box, concessions, storage, etc.

• Campus Access, Parking, Pedestrian Safety

• State and Local Regulatory Constraints
North-South Orientation is Ideal

- 210 ft. X 360 ft. vs. existing 180 ft. X 330 ft. is deficient

- Create Additional Field Inventory

- Night Time Lighting Conditions

- Other Potential Space Needs

Campus Access, Parking, Pedestrian Safety

(*) State and Local Regulatory Constraints

(*) abuts NYDEC & Federal Wetlands (within 100 ft. setback), low-lying land slightly above the water table, flanking stream, storm water mitigation is a challenge...

Potential Turf Locations Evaluated: A – Tompkins Field
- North-South Orientation is Ideal
- 210 ft. X 360 ft. (requires East-West orientation)
- Create Additional Field Inventory
- Night Time Lighting Conditions
- Other Potential Space Needs
- Campus Access, Parking, Pedestrian Safety
- (*) State and Local Regulatory Constraints

(*) Potential practice Field Location?

Potential Turf Locations Evaluated: B – Field Hockey Area
North-South Orientation is Ideal

210 ft. X 360 ft.

Create Additional Field Inventory

Night Time Lighting Conditions

Other Potential Space Needs

Campus Access, Parking, Pedestrian Safety

(*) State and Local Regulatory Constraints

(*) findings are consistent with the recommendations of the Kotz and Associates Report of 2005

Potential Turf Locations Evaluated:  C – West Campus
Observation of Existing Conditions:

- Perimeter Drainage Swale
- Catch Basins
- Storm Water Outlets
- Need Back-Flow Prevention
- Step Up Maintenance Program
  (aeration, over-seed and top-dress)

Tompkins Field Testing and Planning Options (improve play-ability on natural turf)
1. Implement Recommendations + Add New Strip Drains
(considered a maintenance project)

**STRIP DRAINS:**
Strip drains are relatively inexpensive vertical tubing systems (in horizontal called flat drains) 6 to 18 inches wide and 1 to 2 inches thick, with a wrapping of filter fabric, which are placed vertically in the subgrade. Strip drain spacing is similar to perforated pipe underdrain systems. The advantage of using strip drains for a retrofit application is that there is less disturbance of the field area required for installation as compared to round perforated pipe – with similar surface area for water infiltration. Below is a representative photo for a typical strip drain system.

(DEP / SEQRA and other approvals required)

Tompkins Field Improvement Options 1 & 2
Items for Discussion:

• New West Campus Turf (*) Field; $3,750,000 to $4,250,000
  (* includes: synthetic turf field, field lighting, pedestrian paths / lighting from building to field, perimeter security fence, ball stop netting, score board and bleachers for 300 seats capacity)

• New Gender Neutral Toilet Rooms; $300,000 to $500,000
  (attached to school / critical in order to secure NYS Building aid)

• Tompkins New Strip Drains; approx. $200,000
  (or)

• Tompkins Intensive / Re-Crown; $750,000 to $1,000,000

• Parking / Pavement Improvements (allowance); $300,000

Preliminary Project Costs
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<th>2020 Calendar Year</th>
<th>2021 Calendar Year</th>
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(*) All heavy earth work, excavation, removals, etc. to be completed in summer 2021 with all work complete in the early fall 2021.
Q & A