Rieke Field
REPLACEMENT BOND
Synthetic Turf Field Replacement

Open House 1 – March 10, 2016
Rieke Elementary School Library

Commissioner Amanda Fritz | Director Mike Abbaté
Welcome – Tonight’s Program

- Project Team Introductions
- 2014 Parks Replacement Bond Overview
- Project Overview and Schedule
- Field Options
  - Turf Infill Material Informational Discussion
- Q & A
Project Team

Portland Parks & Recreation
  • Gary Datka – Project Manager
  • Maija Spencer – Public Involvement Coordinator

Portland Public Schools
  • Steve Simonson – Project Manager

Design Team
  • David Evans and Associates (DEA) – Landscape Architect and Civil Engineer
  • Atlas Landscape Architecture – Athletic Facilities/Synthetic Turf Specialist
  • Architectural Cost Consultants – Cost Estimating Consultants

Technical Advisory Committee
  • PP&R Maintenance Staff and Athletic Facilities Events and Permitting Staff
  • PPS District Athletics Staff
  • Rieke PTA member(s)
  • BSC Soccer Club Representative
  • Design Team
Provides $68 million for repairs and replacements across the system.
Identified as urgent priorities by Parks bureau and through public involvement.
FOCUS AREA
RESTROOMS AND OTHER

Address Urgent Needs - prevent closures, and repair failing assets throughout the system.
Project Overview

- Existing Field
- Field Improvements
- ADA Improvements
- Project Goals
  - Health and safety in play
  - Perimtable durable field for year-round play
  - Accessibility
- PP&R on-going research of infill materials
Project Schedule

Spring – Summer 2016
• Design Process and Public Input

Fall – Winter 2016
• Permitting and Bidding

Spring or Summer 2017
• Construction
**Existing Site**

**Site Opportunities**
- Make the field safe and playable
- Improve access to parking
- Improvements for spectator areas
- Potential to re-use base rock beneath field

**Site Challenges and Constraints**
- ADA-compliant access from parking lot to backstop and field
- Steep slopes between field and adjacent paths, and field elevation relative to surrounding uses
- Southern slope is eroding onto field surface
- Grassy mound on north side creates a blind spot
Field Design

**Soccer**
- Field sizes vary by player age
- No single ‘standard’ size for high school or above
- Typical field sizes:
  - U10 and younger: 120’x155’
  - U12: 150’x225’
  - U14 and up: 210’x330’

**Lacrosse**
- Field sizes can vary by player age
- Typical field size is 60x110 yards (180’x330’)
- Youth field typical size 35x60 yards (105’x180’)
- Fields will typically striped for men and women

**Field Sideline Run Outs**
- Varies based on agency or jurisdiction: PP&R standard is 15’; national recommendation is 10’
Design Option B

- Turf field
- Goal storage pads, one for each goal
- Maintain fence
- Portable restroom pad
- Maintain fence
- Short retaining wall (2' +/-)
- Establish fully accessible route to field
- Replace drinking fountain
- Accessible connection to parking, re-stripe to provide two ADA parking stalls at top of path
- 210' Run out
- 10' Run out (all sides)
- Section B-B
- Section A-A
- Portable classrooms
- Playspace
- Mary Reke School
- SW Vermont Street
- SW Berta Court
- SW Capitol Highway
Field Cross-Sections (preliminary)
Synthetic Turf Profile
Traditional Infill Materials

Infill Mix, Most Fields: ~ 50% / 50% mix of Sand and Rubber

**SBR Rubber:** Recycled Tires  
(Styrene Butadiene Rubber)  
- Good Performance  
- Widely Available  
- Inexpensive  
- Potential Health Concerns

**Silica Sand (Quartz):**  
- Provides ballast and firmness  
- Inexpensive  
- Abrasive
Other Infill Materials

Recycled Pre/Post Consumer
Recycled Rubber:

Nike Grind®

- Good Performance
- Limited Availability
- Confetti Color
- Composition Varies
- More Expensive
Other Infill Materials

Virgin Rubber/Plastic Materials:

**EPDM Rubber**
- Various colors
- Degrades to dust
- More Expensive

**TPE (Thermoplastic Elastomers)**
- Various colors and shapes
- Quality Varies
- Harder / May Require Pad
- More Expensive

**Acrylic Coated Sand**
- Various colors
- Requires Pad
Other Infill Materials

Organic Materials:

Cork (FieldTurf PureFill®)
- Exclusive to Turf Vendor
- Floats/Migrates
- Static Cling
- More Expensive

Coconut / Rice Husks
- Potential Source Contamination
- Requires Irrigation
- Static Cling
- More Expensive
Next Steps

Comment Cards and Website
- Comment form & presentation online 3/11
- Accepting comments until 3/17
- Updates will be available online periodically

Technical Advisory Meeting
- March/April

Open House #2
- Mid-May