

# Grant Howald Park Rehabilitation Project

## Parks, Beaches and Recreation

March 5, 2019



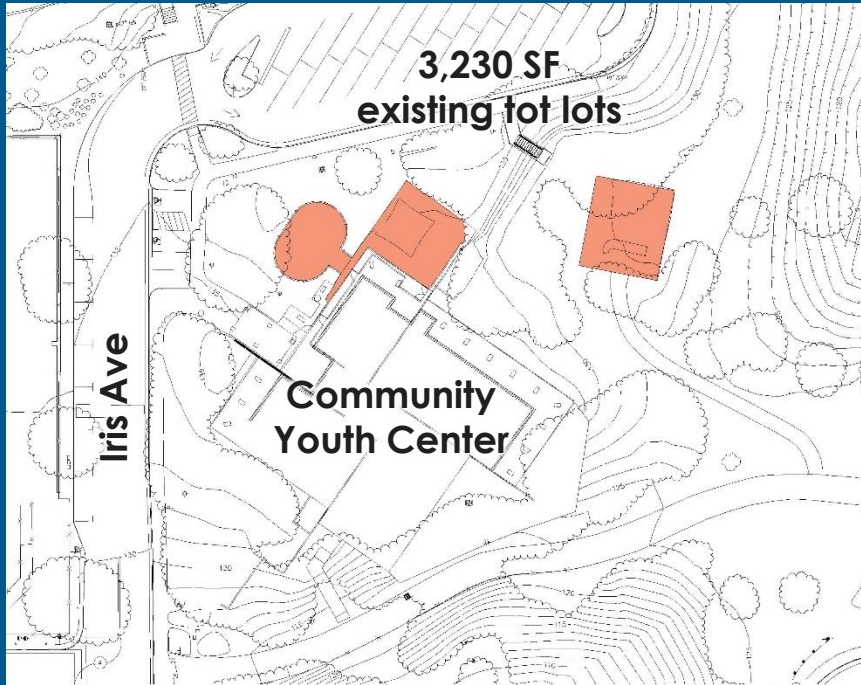


# Existing Site Conditions – Playground





# Existing and Proposed Playground



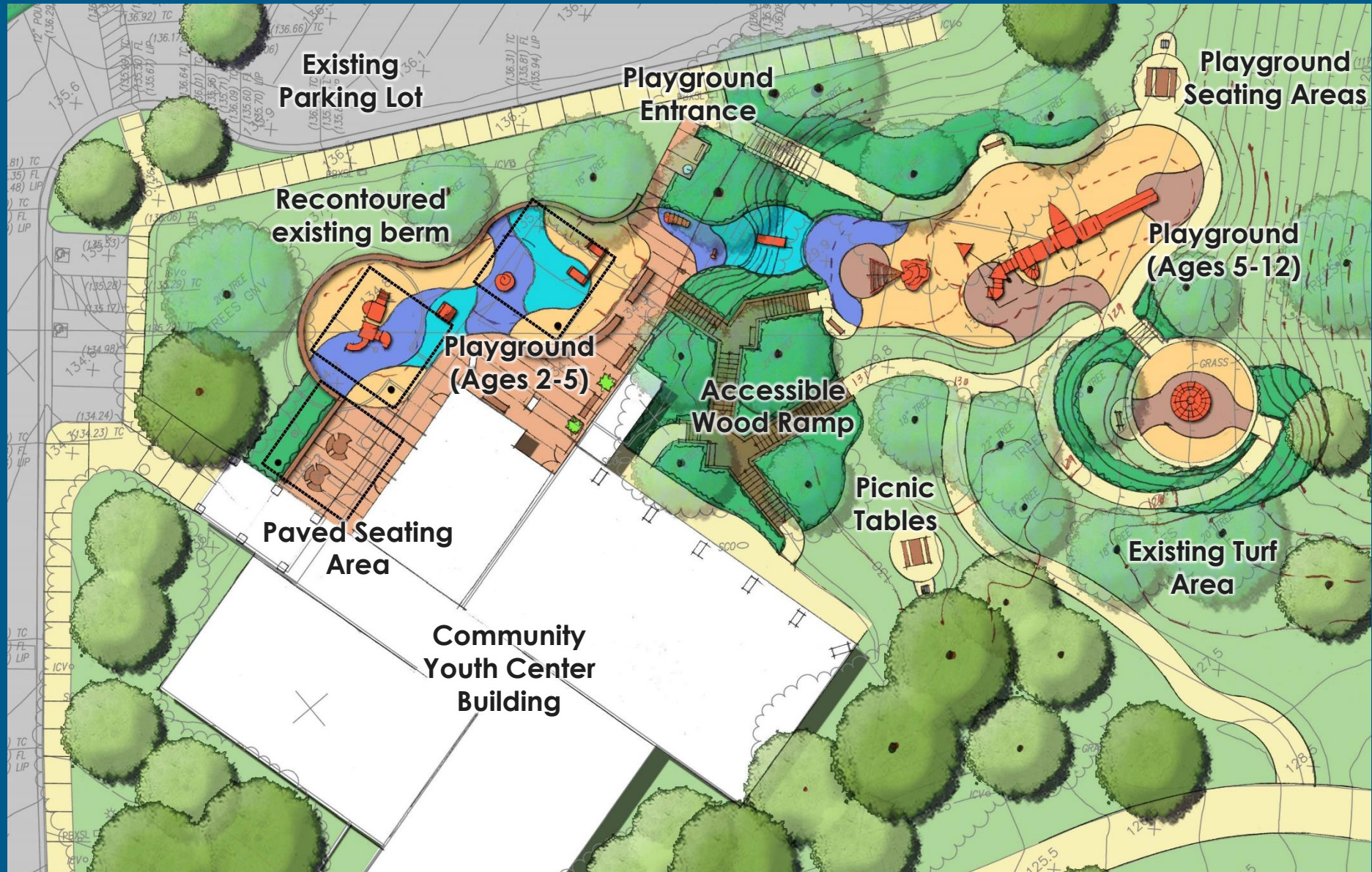
Existing Play Areas



Proposed Play Areas  
(with existing outline)



# Proposed Playground – 4,695 SF



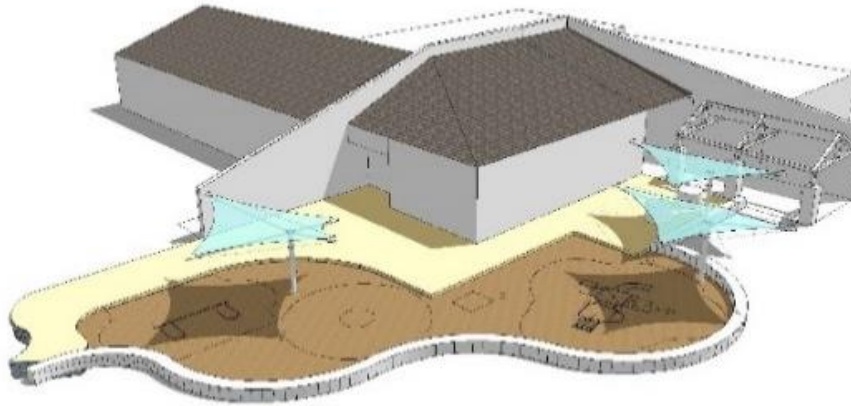


# Proposed Playground – 2-5 year old





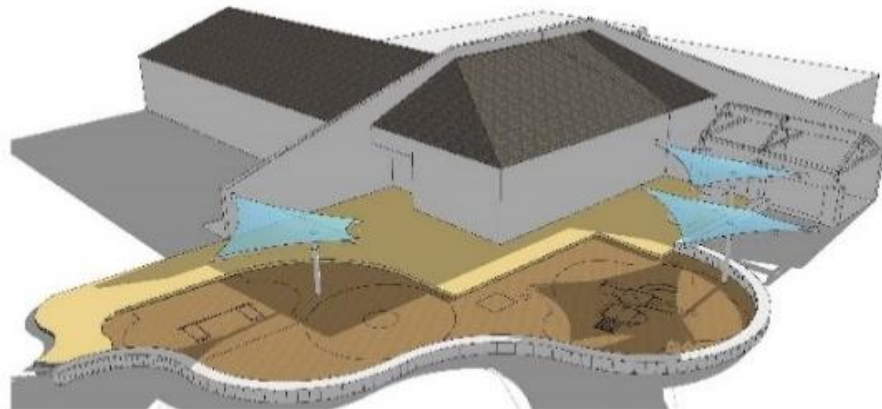
# Proposed Playground – Shade Structures



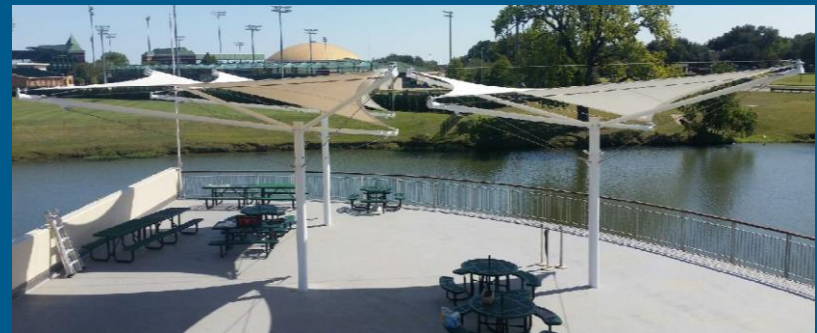
SUMMER SOLSTICE - JUNE 21ST @ 3PM



Key Map



WINTER SOLSTICE - DECEMBER 21ST @ 3PM



Overhead shade sails

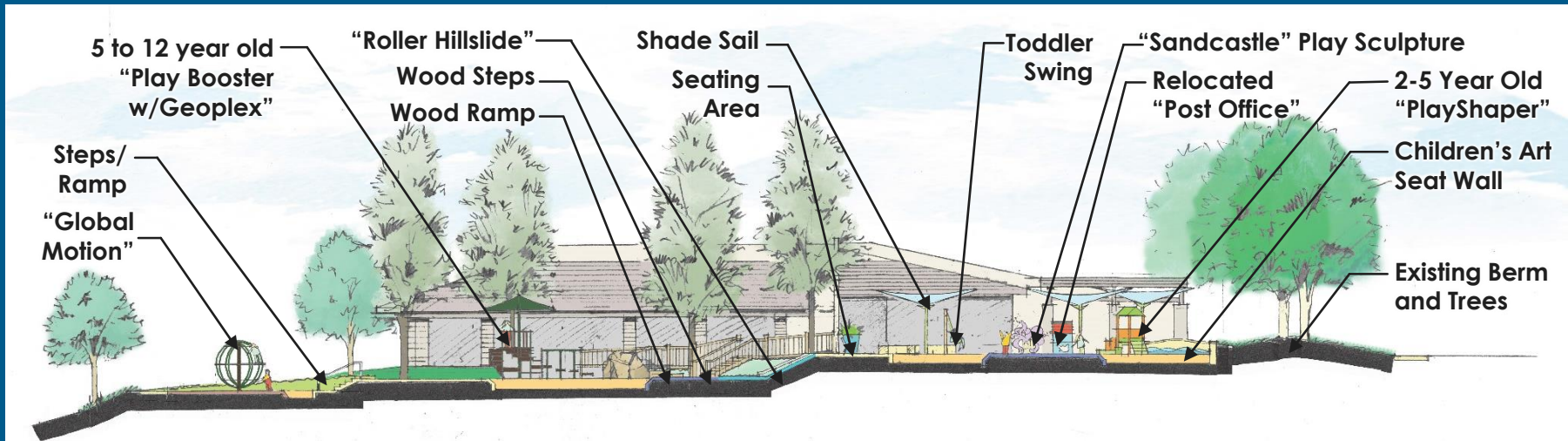
# Proposed Playground – 4,695 SF



Accessible Wood Ramp



Key Map



Section 'A' - Playground



# Existing Site Conditions – Field

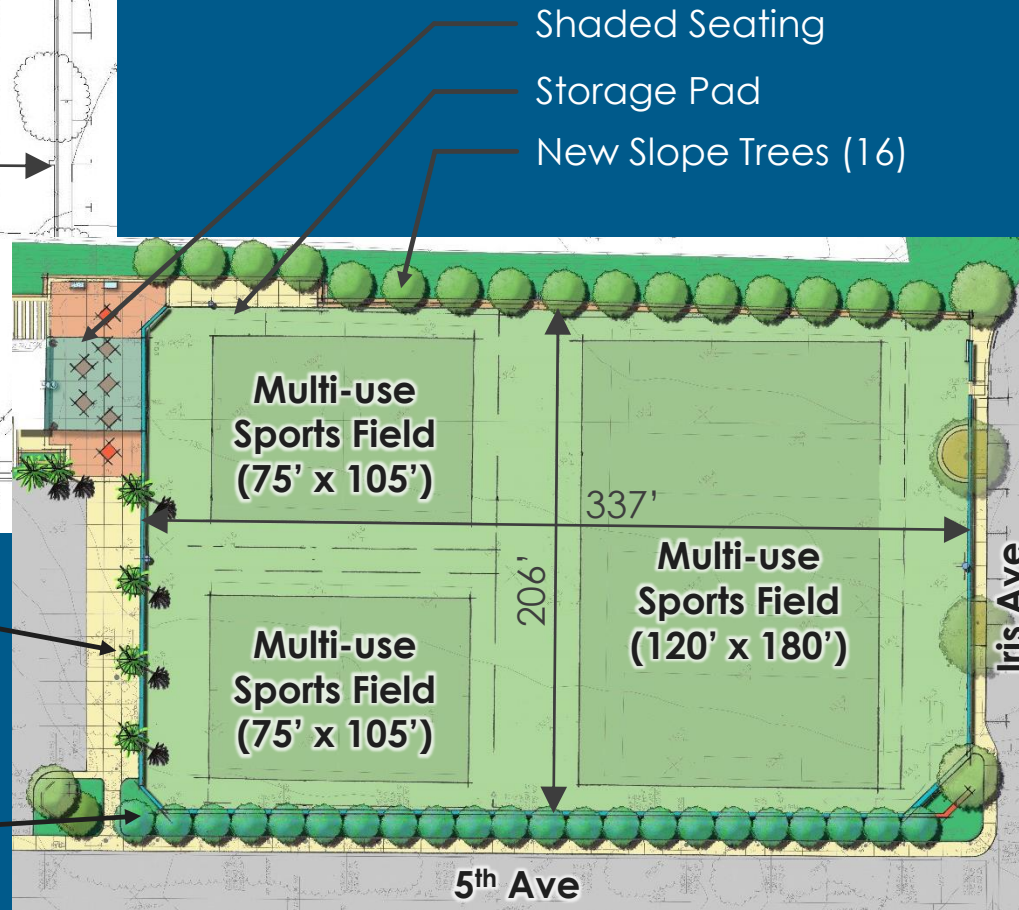
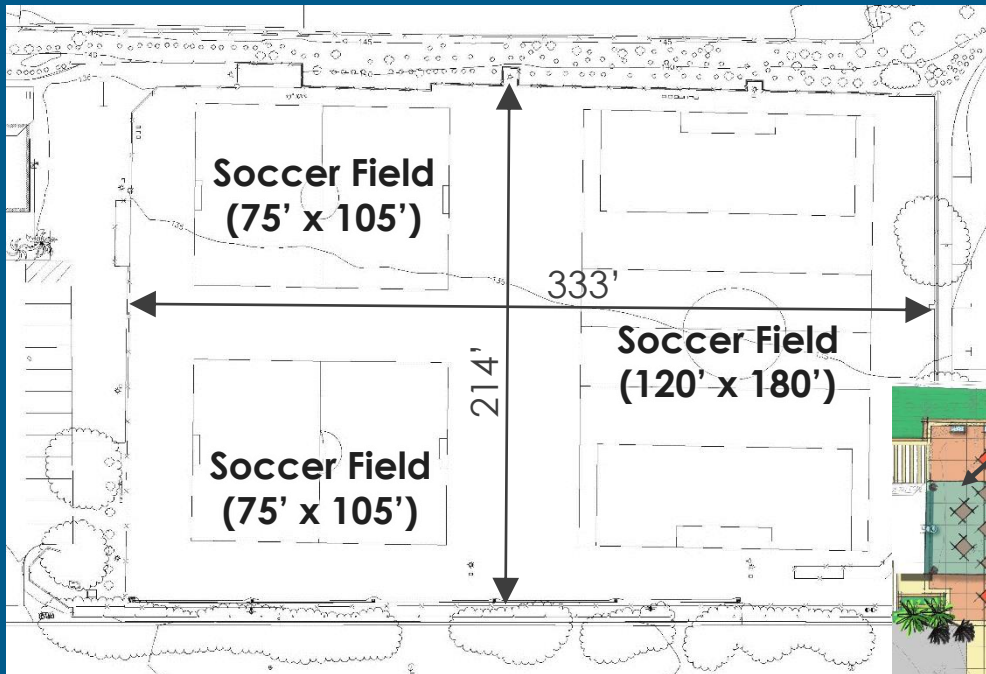


Existing Field – 71,220 SF





# Existing and Proposed Field



Existing Field – 71,220 SF

Proposed Field – 68,560 SF

- New Queen Palms (4)
- New Evergreen Trees (22)



# Proposed Field Improvements



Ball Containment Netting and Fencing

Musco Lighting –  
Relocate existing 60' H  
Poles w/New Fixtures

- Chamelaucium uncinatum
- Geijera parviflora
- Agonis flexuosa
- Laurus nobilis
- Hymenosporum flavum
- Tristania laurina



School PL Slope Tree Options

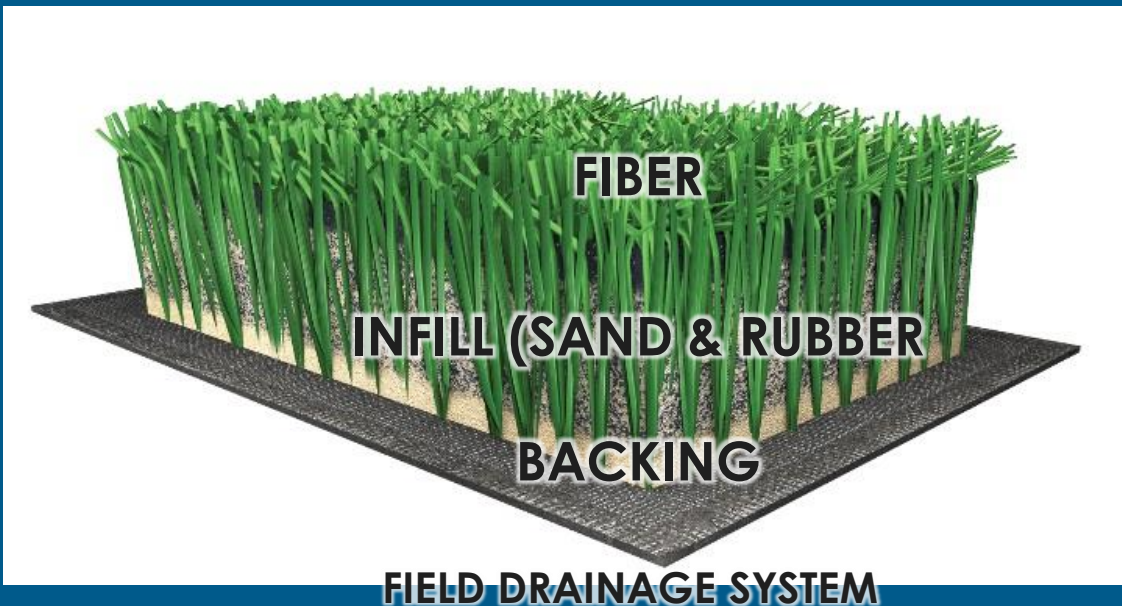


# Proposed Field – Synthetic Turf



## Key Points

- Consistent, level playing surface
- Increased access
- Reduced maintenance and water demand
- Estimated 2,297,487 gallons / per year in water savings \*(based on Bonita Creek Park savings)





# Proposed Field – Synthetic Turf

## Concerns about Carcinogens and Toxicity

- “no support for finding an elevated cancer risk from inhalation or ingestion of chemicals derived from recycled tires used on artificial turf fields”  
**Connecticut Department of Public Health**
- “available research suggests exposures from crumb rubber are very low and will not cause cancer among soccer players”  
**Washington Department of Public Health**
- “while it will never be possible to exclude risk completely or prove this negative, the newer studies have confirmed the previous findings that there is no evidence of link between contracting cancer and playing on artificial turf with SBR infill”  
**FIFA**
- Cancer risk levels for users of synthetic turf fields were comparable to or lower than those associated with natural soil fields  
**Dr. Michael K. Peterson, toxicologist**  
**Comprehensive Multipathway Risk Assessment of Chemicals Associated with Recycled Crumb Rubber in Synthetic Turf Fields**



# Proposed Field – Synthetic Turf

## Concerns about Staph/MRSA

- Infill systems are not hospitable environments for microbial activity.
- More commonly found on equipment and clothing and indoor field conditions
- “Under non-extreme temperature and very limited light conditions present during the indoor portion of this study, *S. aureus* survived on both synthetic and natural turfgrass for multiple days. However, the bacteria do not appear to thrive under these conditions as the numbers of surviving bacteria decrease significantly with time”

“when *S. aureus* is applied to outdoor surfaces under conditions of higher temperatures in the presence of UV light, the bacterial survival rate was much lower.....however, exposures to UV light and higher temperature seem to be the most effective disinfectant under the conditions of this experiment.”

***The Synthetic Turf Council on the Research Project,  
Survival of Staphylococcus aureus on Synthetic Turf, Penn State***



# Proposed Field – Synthetic Turf

## Concerns about Injuries

- Only 1% of player injuries were player-to-surface concussions
- Higher incidences of substantial and severe trauma (22+ days time loss injuries, head and neural trauma, and ligament injuries) were report on natural grass.

***Dr. Michael K. Peterson, Incidence, Mechanisms and Severity of Game-Related College Football Injuries on Fieldturf Versus Natural Grass, 3-Year”, Department of Health, Montana State University***

- “If an artificial turf field is causing concussions, it is the result of either uneven infill caused by poor maintenance or a low infill weight”
- Total injuries: 19-29% lower incidence of injury between >9 lbs/sq.ft. and all other infill weight surfaces
- Turf age (8+ years): 58-63% lower incidence of injury between >9 lbs/sq.ft. and 0-5.9 lbs/sq. ft. of infill

***Dr. Michael K. Peterson, Incidence, Mechanisms and Severity of Game-Related High School Football Injuries Across Artificial Turf Systems of Various Infill Weight, Department of Sport Science and Physical Education, Idaho State University***

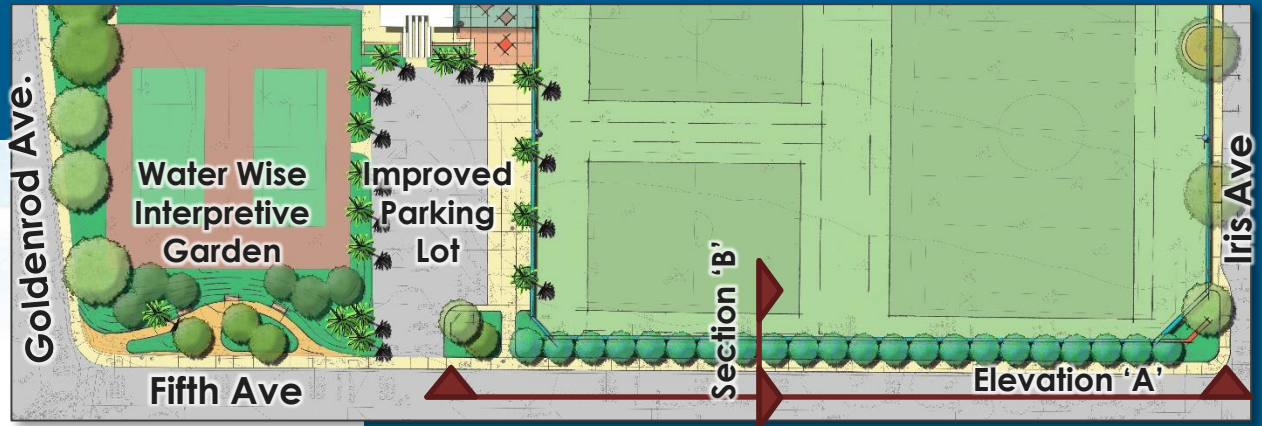


# Existing Site Conditions – Fifth Ave

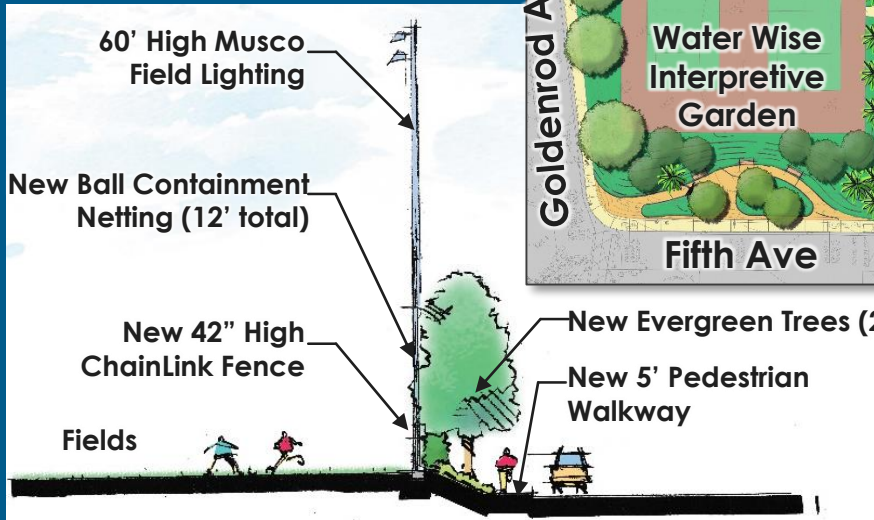




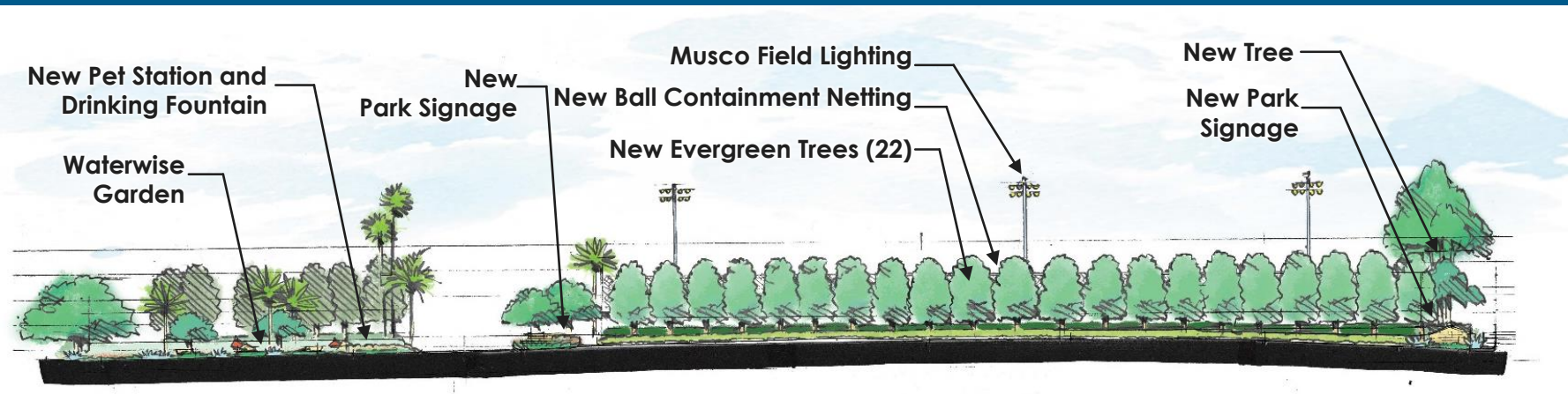
# Proposed Fifth Ave



Key Map



Section 'B'



Elevation 'A'



# Proposed Fifth Ave



New Queen Palms (4)

New Evergreen Trees (22)

Key Map

Replace Existing Eucalyptus Trees (28) with new Evergreen Trees (22)



Waterwise Garden



Section 'C'

# Proposed Concept Plan





# Comments from Community Meeting

## Information provided to community

- Postcard invitations sent to property owners within 1,000 feet of project site
- Project website [www.newportbeachca.gov/granthowaldpark](http://www.newportbeachca.gov/granthowaldpark)
- Project fact sheet posted at Civic Center, Community Youth Center and Oasis Senior Center

## Summary of Community Meeting

- Approx. 23 attendees
- 7 comments received (5 via comment card, 1 phone, 1 email)
- In favor of project?
  - Yes – 5
  - No response – 2
- Top Concerns
  - Proposed tree types along Fifth Ave
  - Reduction of wood ramps to maintain open play grass areas
  - Construction phasing
  - Synthetic turf safety
  - Versatility of proposed sports field

### GRANT HOWALD PARK REHABILITATION PROJECT

#### Community Meeting

#### Break Out Group Comments & Questions

February 13, 2019

#### Playgrounds

1	Community loves the sand in the playgrounds. They also liked the combination of sand and rubber surface.
2	Global motion is great as it can accommodate more children at once than the traditional sling swings
3	Positive reaction to the roller slide
4	Stream line the wood pathways to reduce the bulkiness and open up the playground
5	Lower play area consider adding swings and grading to create level area
6	How long will the playground be shut down during construction?
7	Where exactly will the sand be placed?
8	What is the octopus structure made out of?
9	Two states on the post office play equipment is mismarked.
10	Residents like the proposed shade structures and benches.
11	Are we keeping the same number of picnic benches?
12	Add more trees on northeast side of play area (north of global motion) to provide screening from neighbors above
13	Minimize light pollution in this area
14	Consider all sand or all rubber surfacing (maintenance comment) in play area
15	Rework wood ramps to maintain "open play area" for ball kicking space
16	Rework path of travel from Fifth Avenue trail to play area to maintain "open play area" for ball kicking space
17	Please add sling swings, in addition to proposed Global Motion
18	Residents really like switching the 2-5 and the 5-12 play areas for safety of smaller kids
19	Lots of excitement for the playground design
20	Phase construction so that the sports field and the playground won't be down at the same time

#### Sports Field

1	Provide single game size field
2	Ron Yeo – the architect of the restroom building mentioned the dry rot or aging of the arbor members around the restroom – that they should be reviewed, replaced or repaired
3	Do not paint permanent lines or "tick marks" on the field to keep it versatile and aesthetically pleasing
4	Phase construction so that the sports field and the playground won't be down at the same time

#### Fifth Avenue

1	Prefer different tree species instead of tristania's, so they don't have to be topped on a regular basis
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# Proposed Play Structures & Amenities



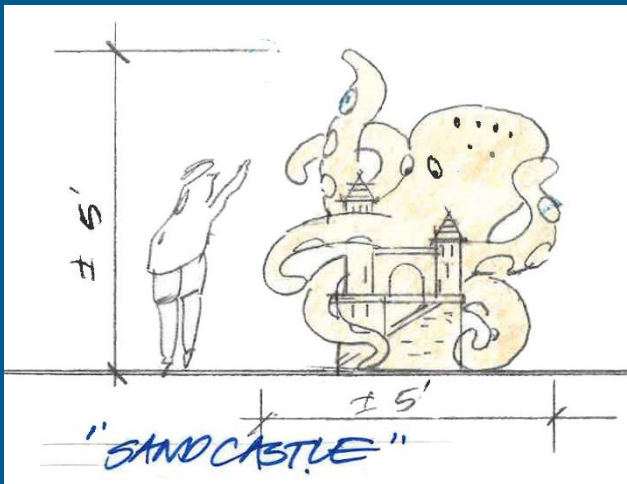
1. 2-5 Playshaper



2. Relocated Post Office



Key Map



3. Sand Castle Play Sculpture



4. Toddler Swing



5. Sensory Play Wall w/ Panel



# Proposed Play Structures & Amenities



6. Hillside Roller



Key Map



7. 5-12 Play Booster w/Geoplex



8. Global Motion