Grant Howald Park Rehabilitation Project
Parks, Beaches and Recreation
March 5, 2019
Existing Site Conditions – Playground
Existing and Proposed Playground

Existing Play Areas

Iris Ave

Community Youth Center

3,230 SF existing tot lots

Proposed Play Areas (with existing outline)

Iris Ave

Community Youth Center

4,695 SF proposed tot lot
Proposed Playground – 4,695 SF

- Existing Turf Area
- Picnic Tables
- Community Youth Center Building
- Playground Entrance
- Playground Seating Areas
- Playground (Ages 5-12)
- Playground (Ages 2-5)
- Accessible Wood Ramp
- Paved Seating Area
- Picnic Tables
- Existing Turf Area
- Recontoured existing berm
Proposed Playground – 2-5 year old

- Toddler Swings
- "Playshaper" 8"x8" Porcelain Tile w/ Children's Art (Ocean Theme)
- Relocated "Post Office"
- "Sand Castle" Play Sculpture
- Toddler Swings

Elevation ‘A’ – 2-5 Year Old Playground Area
Proposed Playground – Shade Structures

SUMMER SOLSTICE - JUNE 21ST @ 3PM

WINTER SOLSTICE - DECEMBER 21ST @ 3PM

Key Map

Overhead shade sails
Proposed Playground – 4,695 SF

Accessible Wood Ramp

Section ‘A’ - Playground

5 to 12 year old “Play Booster w/Geoplex”
“Roller Hillslide” Wood Steps Wood Ramp
Shade Sail Seating Area
Toddler Swing
“Sandcastle” Play Sculpture
Relocated “Post Office”
2-5 Year Old “PlayShaper”
Children’s Art Seat Wall
Existing Berm and Trees
Existing Site Conditions – Field

Existing Field – 71,220 SF
Existing and Proposed Field

Existing Field – 71,220 SF

- Soccer Field (75' x 105')
- Soccer Field (120' x 180')

Proposed Field – 68,560 SF

- Multi-use Sports Field (75' x 105')
- Multi-use Sports Field (120' x 180')

- New Evergreen Trees (22)
- New Queen Palms (4)
- Shaded Seating
- Storage Pad
- New Slope Trees (16)
Proposed Field Improvements

Ball Containment Netting and Fencing

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

School PL Slope Tree Options

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

60' High Musco Field Lighting
New Ball Containment Netting (12’ total)
New 42” High ChainLink Fence
Fields

New Evergreen Trees (22)
New 5’ Pedestrian Walkway

Key Map

Section ‘B’

New Pet Station and Drinking Fountain
Waterwise Garden

Elevation ‘A’
Proposed Fifth Ave

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

Waterwise Garden

Key Map

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

Section 'C'

Water Wise Garden

Existing Grade

Tennis Courts

New 5' Ped. Walkway
Proposed Concept Plan

- Existing Tennis
- Multi-Use Sports Field
- Iris Avenue
- CYC
- Fifth Avenue
- Tot Lot

[Diagram showing the proposed concept plan with locations marked as mentioned above.]
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
• 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
Proposed Play Structures & Amenities

1. 2-5 Playshaper
2. Relocated Post Office
3. Sand Castle Play Sculpture
4. Toddler Swing
5. Sensory Play Wall w/ Panel
Proposed Play Structures & Amenities

6. Hillslide Roller

7. 5-12 Play Booster w/Geoplex

8. Global Motion

Key Map