First Comprehensive Draft for Discussion June 26, 2012





Notes from May 25 Work Session

- Promenade (In Solis Pacem)
- Design park in phases: ex. Establish meadow to replace with solar panels
- Initial phases low maintenance and cost
- Succession of plant growth in phases (Succession by Design, Interlock)
- Solar Overlook: to bring people to the panels, but not within them
- Environmental Center with art walls (Interlock)
- Entrance from Centennial with traffic island
- Parking is important but can be added in time
- Bosque with pond overlook (Nucleus)
- Pond access at different levels (Succession by Design)
- Floating wetland islands
- Less use of fill: consider cost (Interlock)
- Keep loop road
- NO dog park
- Create area for Ice Skating

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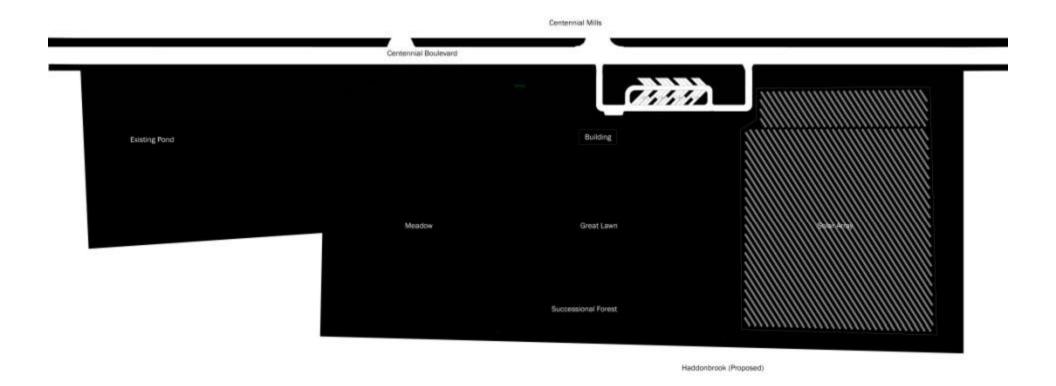








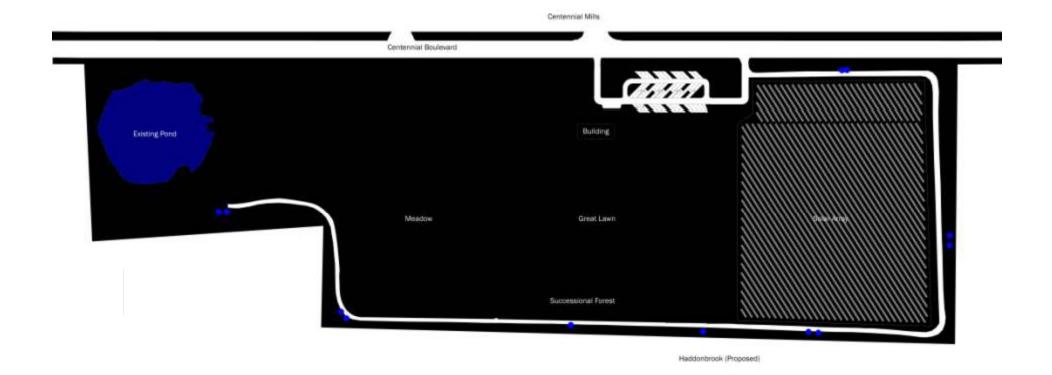
Vehicle Circulation







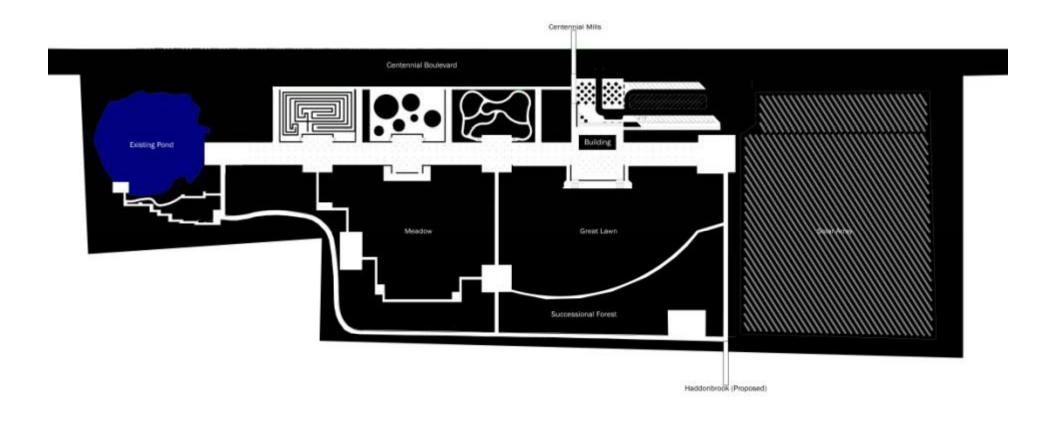
Service Vehicle Circulation







Pedestrian Circulation

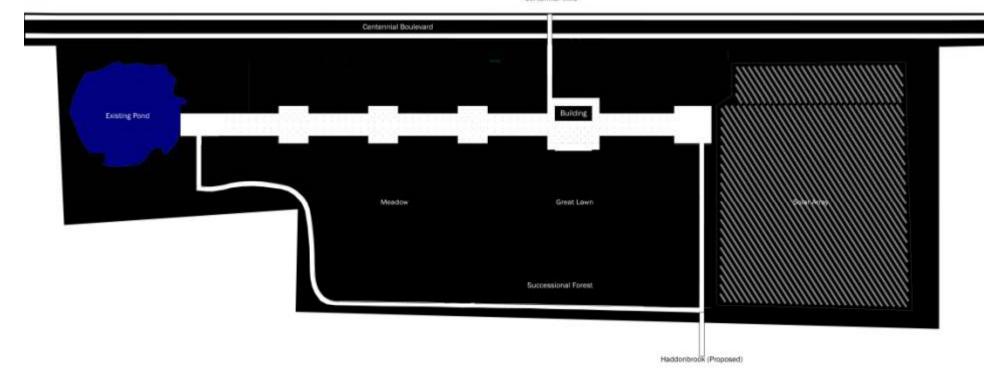






Bicycle Circualtion

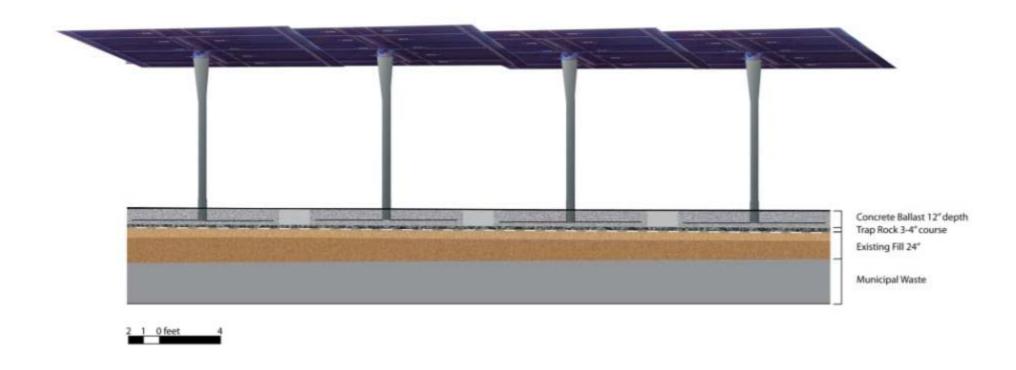
Centennial Mills







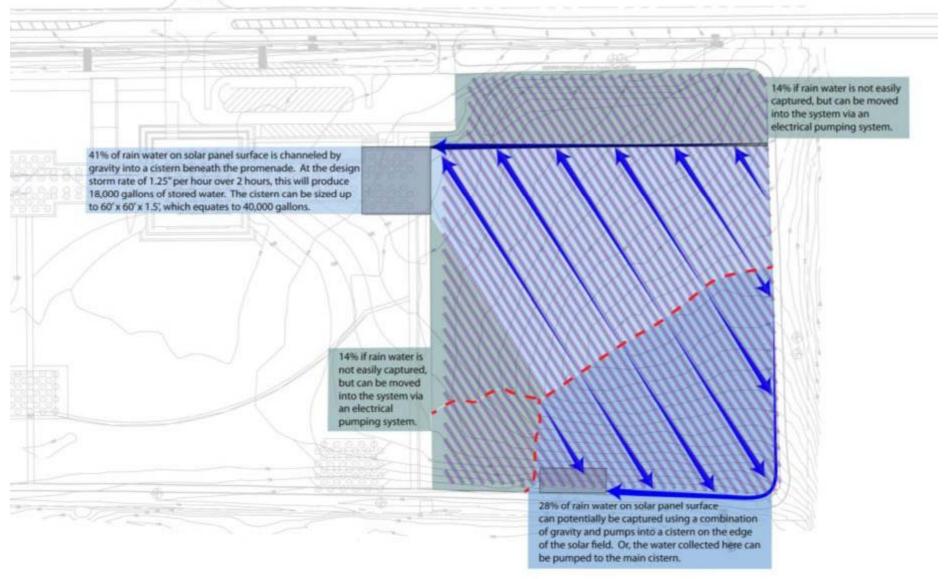
Solar Panels Parking



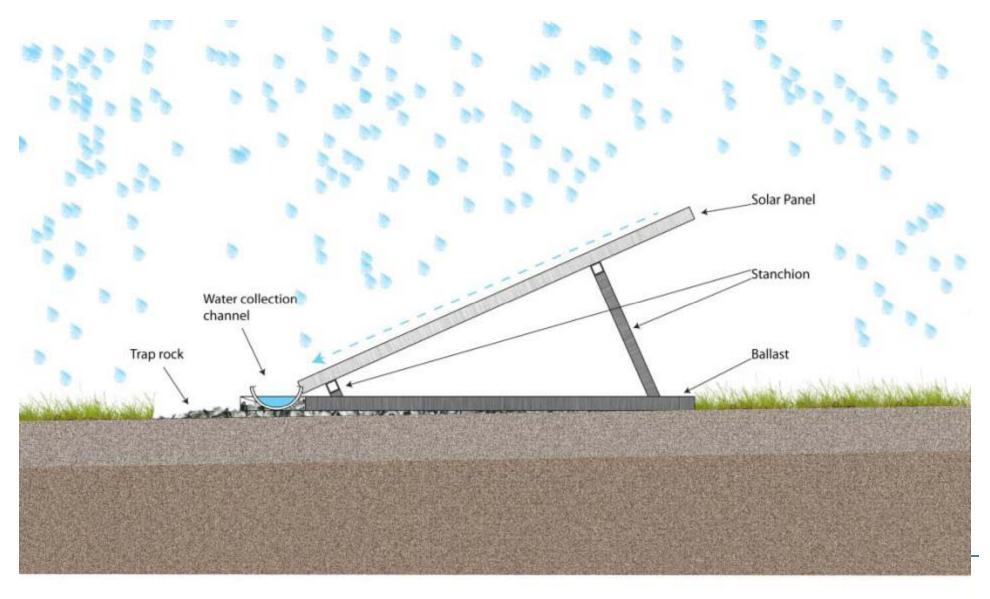




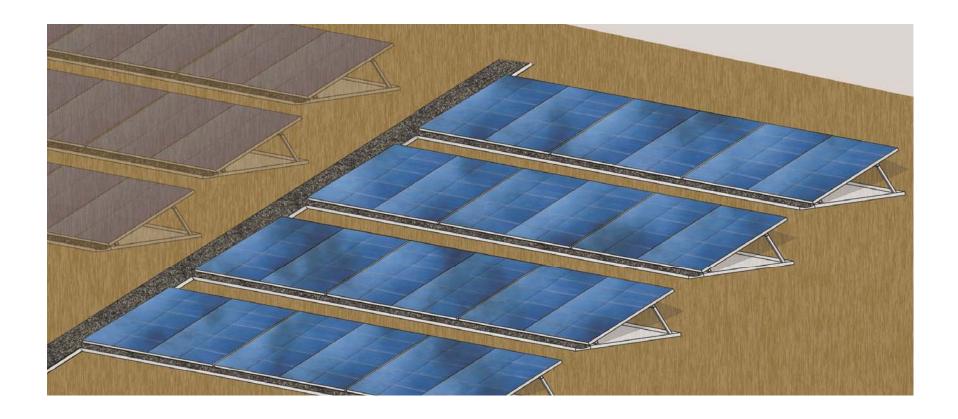
Storm Water Harvest



Storm Water Collection from Panels

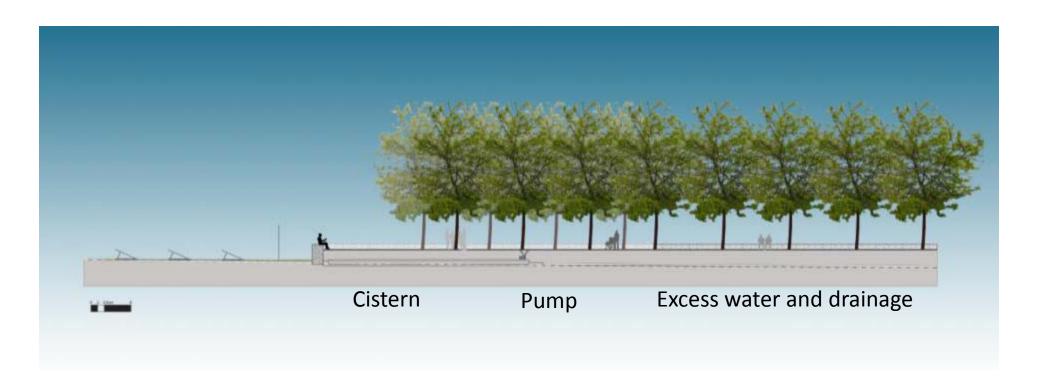


Storm Water Collection from Panels



Rain falls on estimated total of 135,000 square feet of solar panel surface area. Rain is easily collected from 41% of solar panels using collection channels Collection channels from each row of solar panels feed the main collection channel, which in turn gravity feeds a cistern housed within the promenade.

Storm Water Storage



The cistern with the dimensions $60' \times 60' \times 1.5'$ can hold up to 40,000 gallons beneath the solar overlook.

By channeling 41% of the field, an estimated 18,000 gallons of water will be collected during an occurrence of the design storm.

Water Distribution

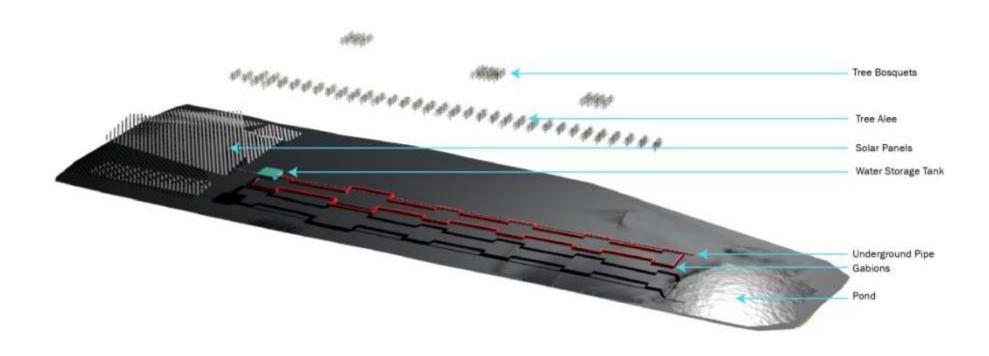


Watering channel

Excess water and drainage



Water Collection and Use







Gabion Retaining Walls

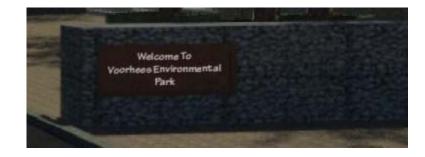
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5,507 ft.

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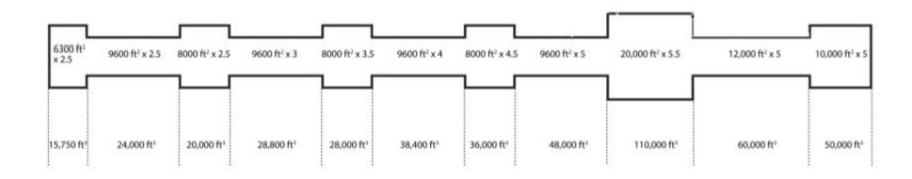
Profite a mol 67,026 ft.³







Fill Estimate for Promenade



 $=458,950 \text{ ft}^3$

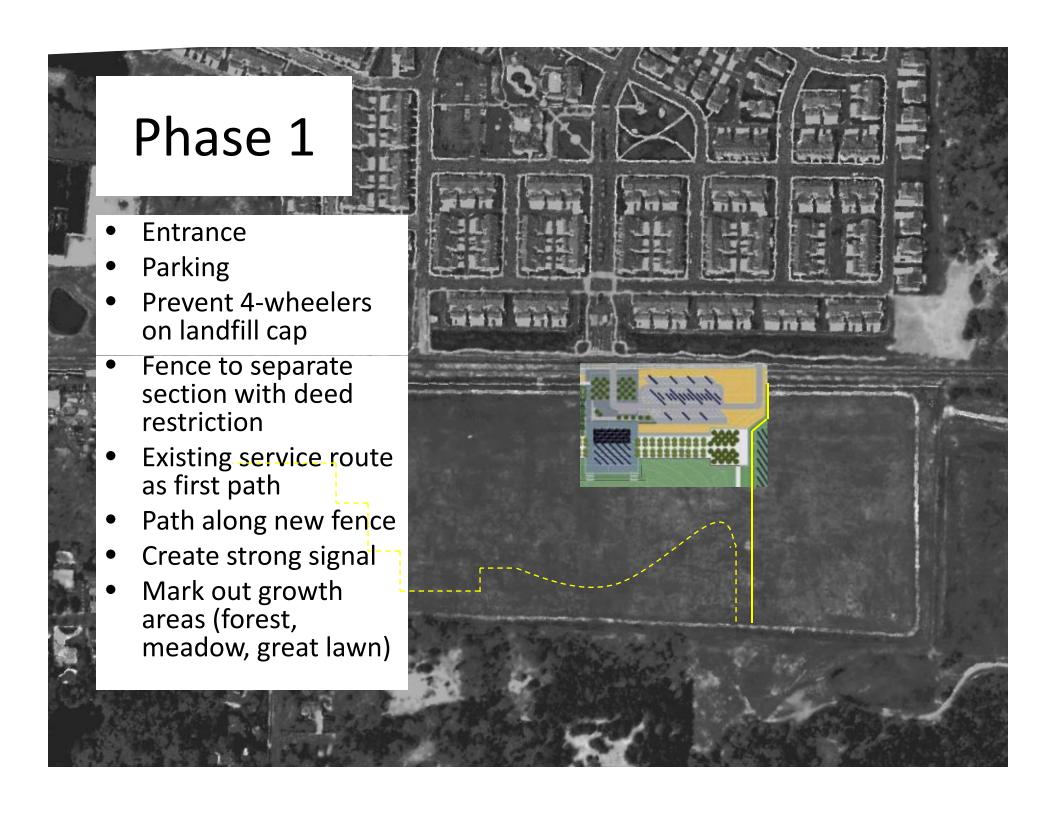
=17,000 yd 3 x 2400 lbs/yd 3 ÷ 2000 lbs/short ton ÷ 35 short tons/truck = 582 truck loads

Availability of financial recourses suggests phasing, fundraising 'packets'

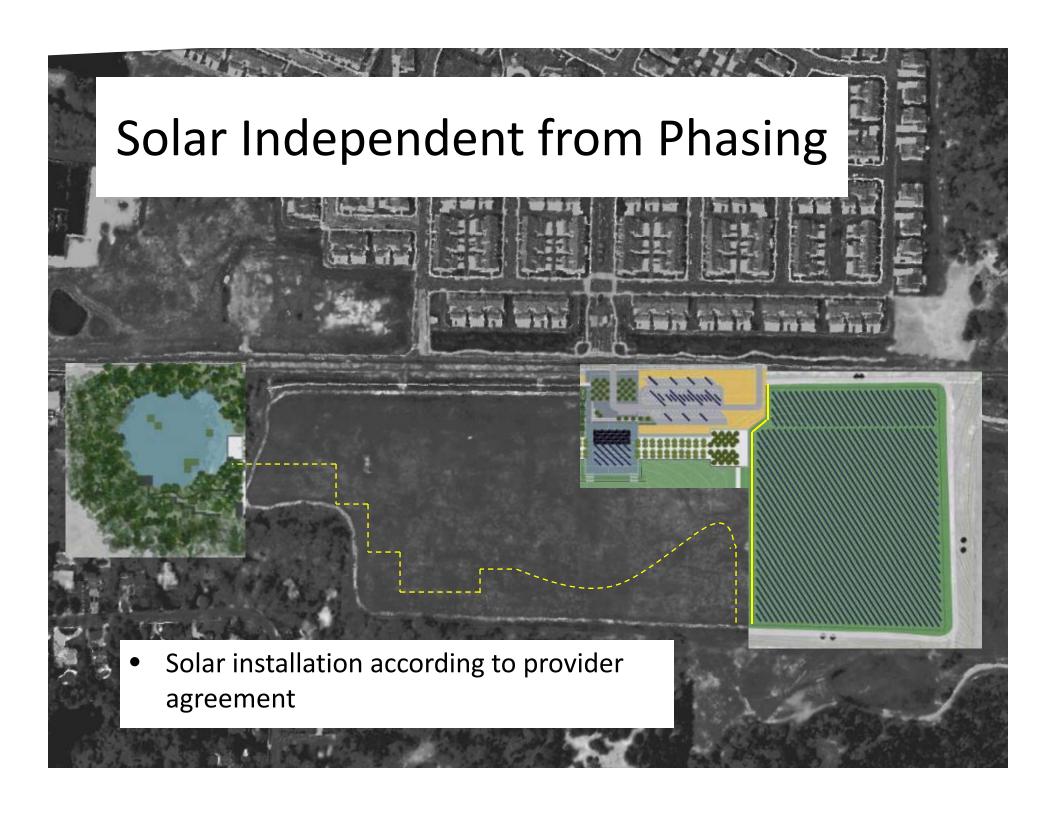








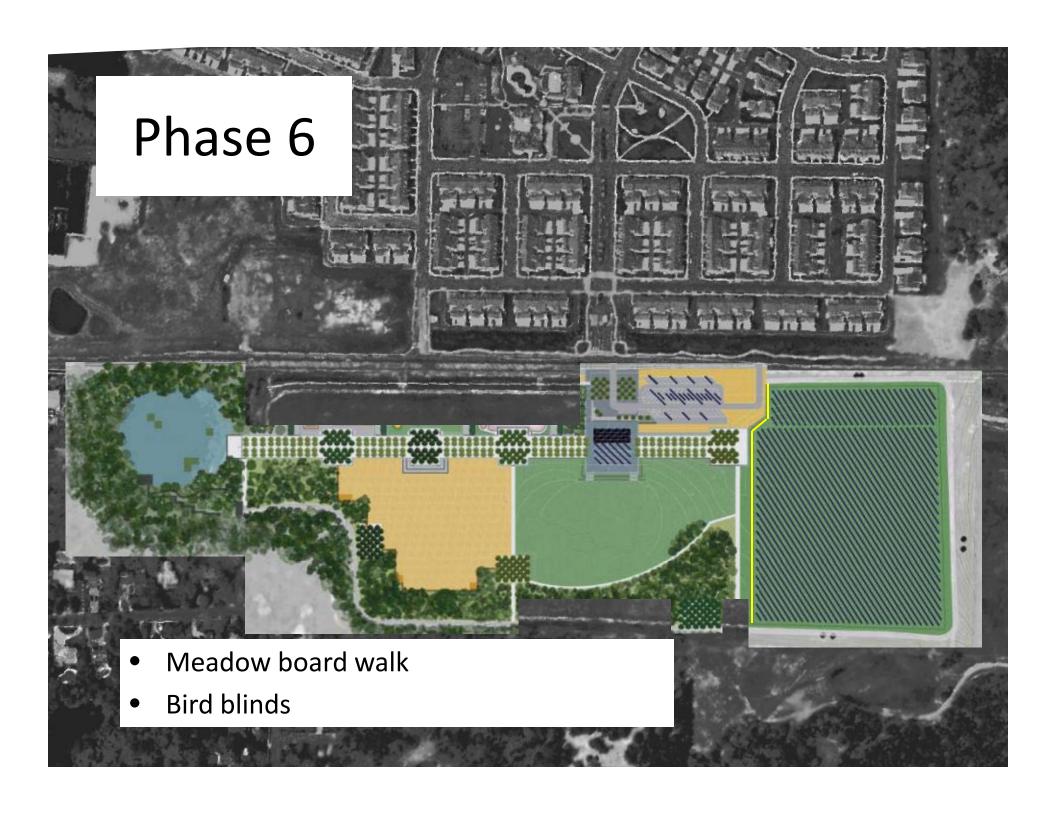














Discussion welcome!







