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DPR

DC DEPARTMENT OF PARKS AND RECREATION

DGS

Department of General Services



KALORAMA PARK

DRAINAGE, EROSION, LANDSCAPING & PLAYGROUND IMPROVEMENTS PROJECT

Advisory Neighborhood Commission 1C

December 3, 2014

Where we are

Completed Site Work:

- Lightning protection implemented
- Vertical mulching completed

Phase I Scope of Work:

- Drainage Improvements
- Soil Remediation
- Landscaping Improvements

Phase 2 Scope of Work:

- Plaza Improvements
- Playground Renovation
- Stormwater Management
- Columbia Road Sidewalk and Landscaping Improvements

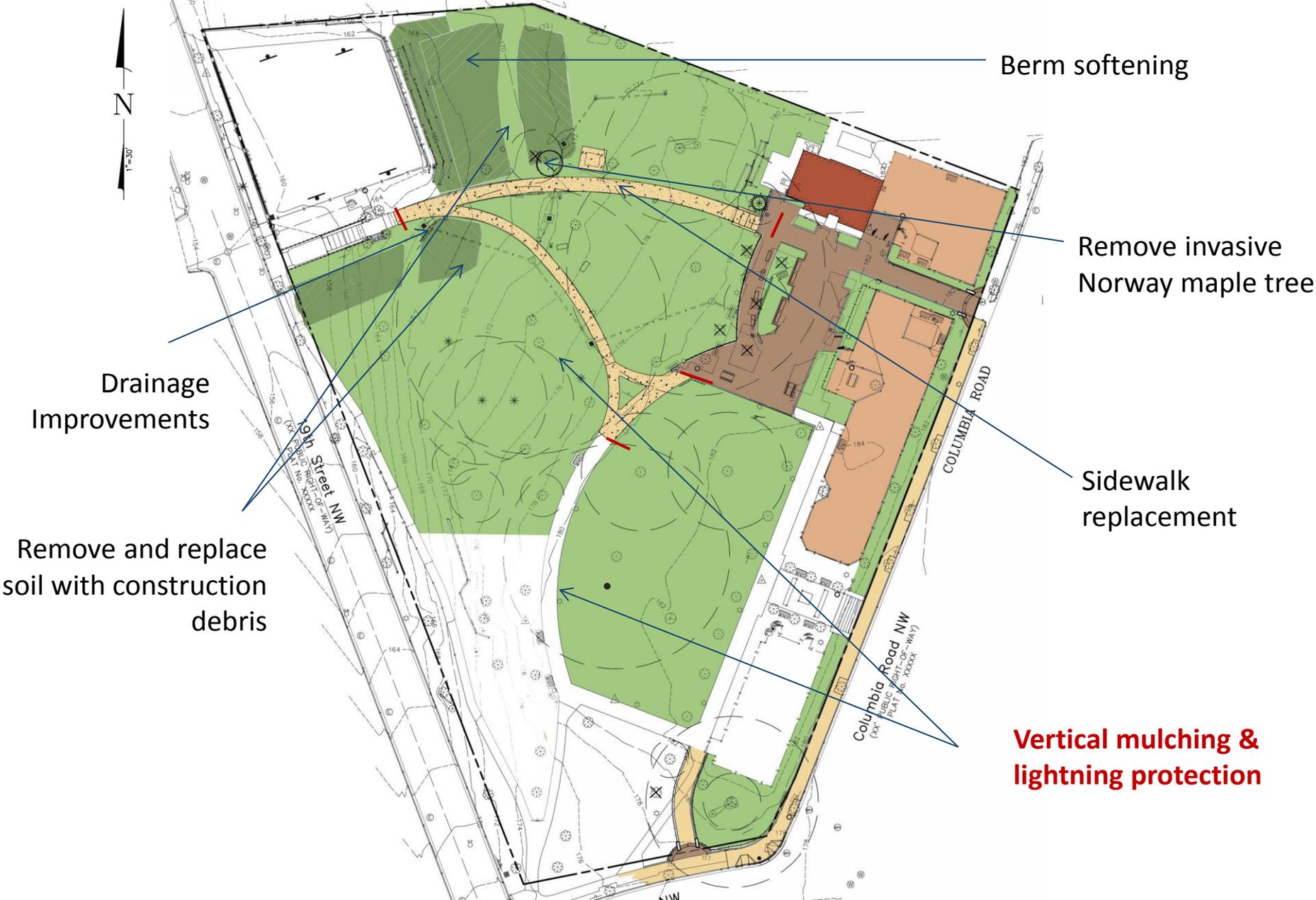
Design Guidelines*

- Community Input
- Existing Condition Surveys
- Engineering Surveys
- Engineering Calculations & Design Best Practices
- DC Department of Parks and Recreation Master Plan (DPR)
- DC Department of the Environment (DDOE)
- DDOE - Low Impact Development (LID) Construction and Maintenance Guidance Manual
- Sustainable DC
- DC Historic Preservation Office (HPO)
- National Park Service - Rehabilitation Standards and Guidelines
- National Park Service – Sustainability & Site Features
- DC Department of Consumer and Regulatory Affairs (DCRA)



In no particular order

Phase 1 - Site Plan



Berm softening

Remove invasive Norway maple tree

Sidewalk replacement

Vertical mulching & lightning protection

Drainage Improvements

Remove and replace soil with construction debris

Phase 1 - Soil Remediation & Existing Erosion



Invasive Norway Maple to be REPLACED by Native Tree

National Park Service Native Alternatives Recommendation: Native maples like sugar maple and red maple would be good substitutes for this invasive tree.



Removal of contaminated soil and replacement with new soil



Drainage Structure to be Modified



Typical Area for Tree Bed(s)



Area for Aeration, Topsoiling and Seeding

Phase 1 – Water Runoff



**Existing Water Runoff
& Drainage Issues**



**Proposed Slot Drain
Along Sidewalks**

MODIFY INLET & ADD DRAINAGE FLUME

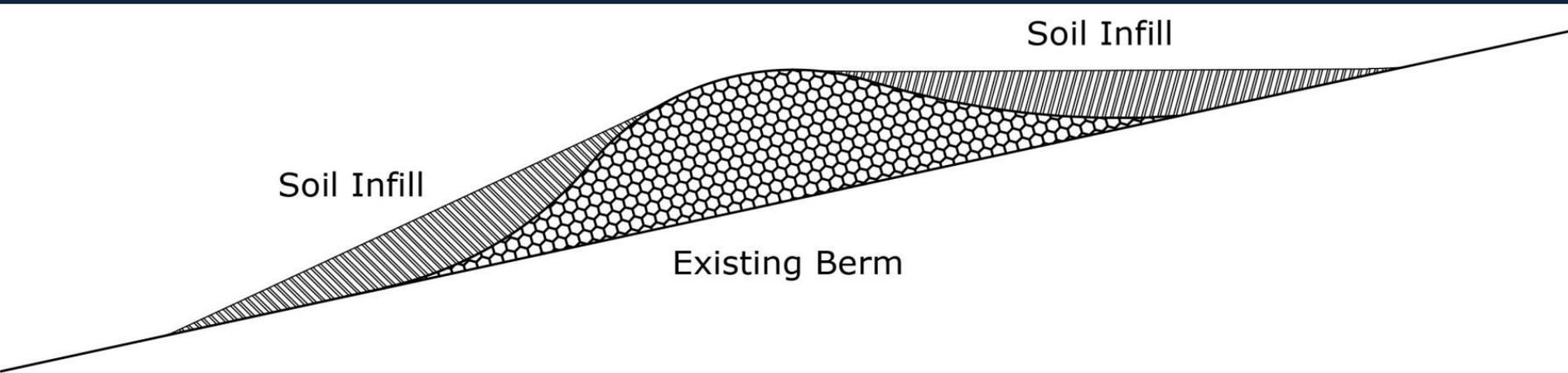


Before



After

Phase 1 -Berm Softening



Before



After

Phase 2 - Site Plan



Plaza Improvements

Playground Renovation

Columbia Road Landscaping & Sidewalk Improvements

Phase 2 - Existing Erosion



WHY NEW PLAZA?

❖ Why Permeable Paving at the Plaza?

1. DDOE Requirements
2. Water runoff at the Plaza
3. Stormwater Management
4. Capture Rain Water & Rec Center Downspouts
5. Best Practice & Low Impact Development (LID)

❖ Why Plaza Redesign?

Community Input (*July 17th Community Meeting**):

- *Small games (i.e. hopscotch, 4-square) may be incorporated into the plaza*
- *Existing plaza is too big. Described as a “concrete lagoon”*
- *Existing plaza was described as having a 4-corner and too formal look.*
- *Being able to see inside of the playground*
- *The plaza is occasionally used for community events*

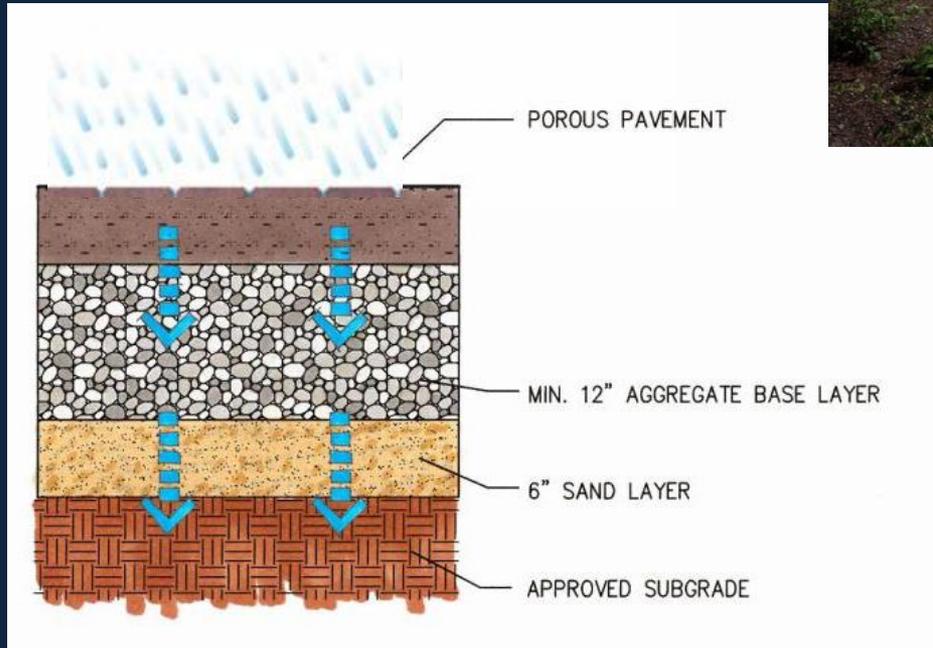


*Meeting Reports: <http://dgs.dc.gov/page/dgs-kalorama-park-project>

Phase 2 - Permeable Paving

DC DDOE requirement is 1.2" of rain and by this system we are capturing more than 13,000 gallons of water per rain event

18,000SF of Drainage Area



3 Original Plaza Design



Proposed Plaza Design After Comments



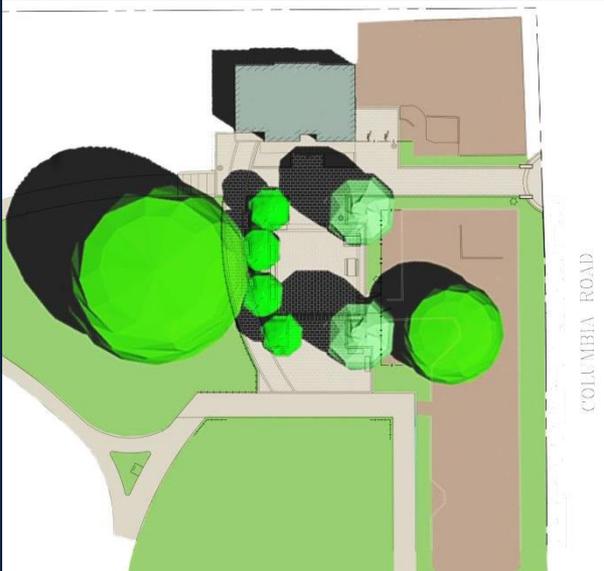
hedges to be preserved

PLAZA PLAN

Plaza Shade Study



August - 9 AM



August - 12 PM



August - 4 PM

Phase 2 - Plaza Elements



Permeable Paving



Refurbish Table Option



Vehicle Control



Replace Chain-link Fence with Ornamental Fence and "Low Plants"



Litter Receptacle



Water Fountain

Playground Renovation

- Identified funding for the Kalorama Playground
- Timing is Critical

❖ Why to Combine Plaza & Playground Projects?

- Saving Costs
- Schedule
- Permit & Reviews
- Minimum Disruption

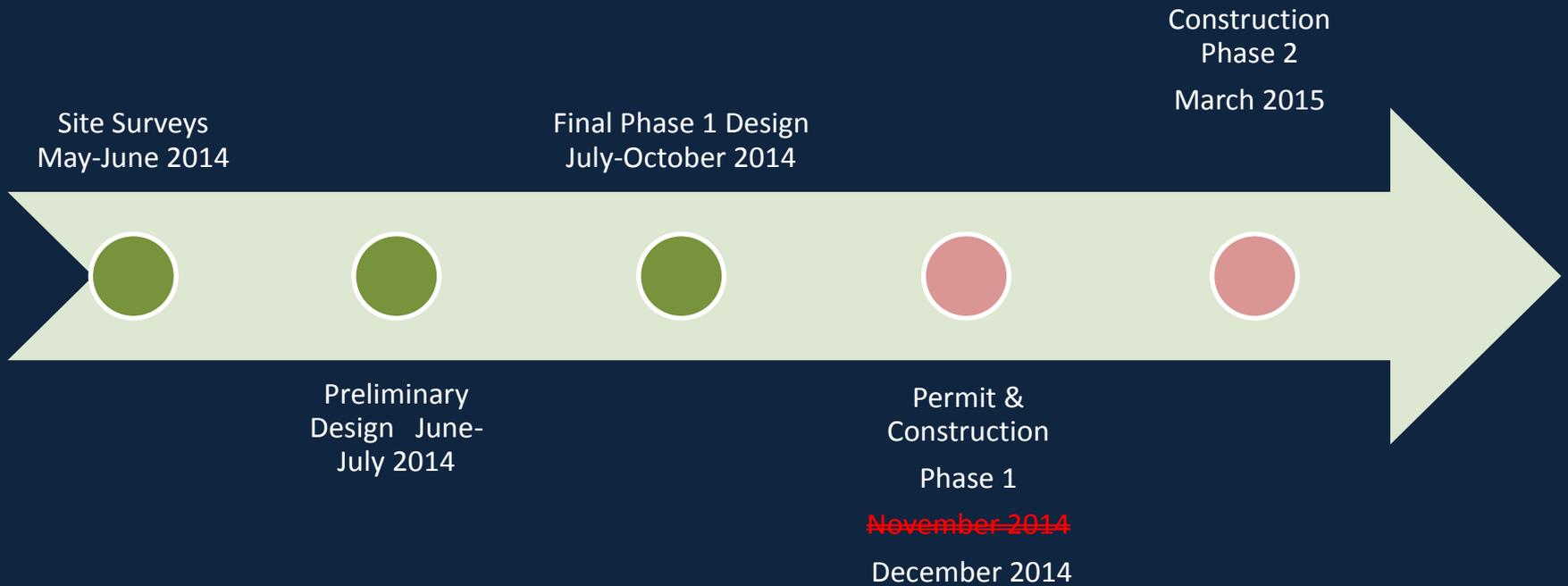


Community Outreach

- **5 Community Meetings**
 - May 22, 2014
 - July 17, 2014
 - October 9, 2014
 - November 5, 2014
 - November 18, 2014
- **More than 200 Emails and Comments***
- **Plaza Design Survey***
 - Our Survey Sample Resulted in 57% - Preference for Option 3
 - Option 1 received 29 %
 - Option 2 received 14 %

*Collected comments (via Survey & Email) are available on the Kalorama Webpage.

Project Timeline



Next Steps

- Phase 1 Permit & Construction - December 2014 – February 2015
 - **Archeological Monitoring will be performed during construction**
- Playground Planning & Design – Present to January 2015
- Historic Preservation Review – January 2015 – February 2015
- Phase II Construction Begins – March 2015
 - **Archeological Monitoring will be performed during construction**
- Phase II Construction Completed – June 2015



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Contact Information

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Kalorama Project Webpage

<http://dgs.dc.gov/page/dgs-kalorama-park-project>

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