Reminder & Updated Research for Sacramento Field Meeting

Following up on previous discussions of the renovation of Sacramento Field, Agassiz Neighborhood Council and the City of Cambridge will co-host a special meeting.

When: Wednesday, November 9, 7:00-8:30 PM (please note the meeting start-time)  
Where: Maria L. Baldwin School, Cafeteria, 85 Oxford St., Cambridge

Updated Background Report

Last Friday, Cambridge Commissioner of Public Works Owen O’Riordan, Baldwin School representative Andrew Jankowich, ANC member Danny Hillis, ANC Community Liaison Phoebe Sinclair and ANC Moderator Fred Meyer toured natural areas and paths at (1) Amory Field/Hall’s Pond Sanctuary, off Amory St. and Ewe Streets in Brookline (2) Longfellow House/Washington’s Headquarters National Historic Site, 105 Brattle St., Cambridge, and (3) the new section of Fresh Pond Reservation south of Neville Place Assisted Living, 650 Concord Avenue, Cambridge.

Below find information provided by Fred Meyer, Agassiz Neighborhood Council Moderator, for review in advance of tomorrow’s meeting.

After visiting the first two, Commissioner O’Riordan demonstrated the city's latest ‘trail trial’: a natural crushed-granite-stone path, employing a newly-patented natural adhesive called ‘StaLok’, now undergoing a very successful trial at the Fresh Pond location (south of the parking lot serving Neville Place). For additional information please view the accompanying photos, specifications and location map, given us by the City.

Michael Muehe, Executive Director of our Cambridge Commission for Persons with Disabilities, has already pre-approved Stalok as natural, accessible, material...suitable for persons with disabilities.

If you have the time and interest, you might enjoy visiting some or all of these three areas yourself, before tomorrow’s joint meeting by ANC and the City of Cambridge. If any of you could do that, it would add significantly to our community discussion.

Yesterday, I had a productive telephone talk with Stuart Dash, Cambridge's Director of Community Planning, about ways (illustrated in the places we visited) to better restore and preserve some of our rare pre-historic natural space off the proposed circumferential new StaLok path. While natural preservation is not a pressing issue for some in our neighborhood and school community, it is extremely important to others. Is any compromise acceptable to all possible tomorrow? That is our question.

For the newest ideas re: the biological (not just historical and aesthetic) importance of preserving 'dirty' areas, see the Wall Street Journal’s current article, "Get your
children good and dirty”: http://on.wsj.com/2fvO9tq. (Only you can judge whether or not you think that article is relevant to you and yours.)

Finally, a suggestion for our discussions tomorrow has come via an email from our longtime ANC Member and former Meeting Chair, William Bloomstein:

Unfortunately I will be out of town next week and will miss this meeting. I am glad the City extended 30 days as we requested and I hope a compromise can be reached where both sides find common ground and can live with a less-than-perfect settlement (which is, of course, what a compromise is).

Regardless of the outcome, I hope the tone and dialog is cordial and respectful. We have enough acrimony at the national level, please, can we not exude it at a city level too!!!

Cheers, Willie

Your current moderator strongly concurs with these apt thoughts from an honored predecessor, who, years ago, led negotiations with Harvard to preserve the large area between Mass. Ave. and Oxford St. from being absorbed into a then-rapidly-expanding University campus.

I hope that, now, we may all enjoy a much-deserved post-national-Election respite... in a friendly little community gathering...following our long tradition of productive New England town meetings, dating back to our 1600s Colonial past.

We’ve witnessed a huge amount of progress for our Agassiz Neighborhood recently, under the leadership shown by our new Acting City Manager Lisa Peterson, our Commissioner of Public Works Owen O’Riordan and our Director of Community Planning Stuart Dash. Many community members and Agassiz Baldwin Community and City staff have worked hard and significantly as local change agents. We need to thank particularly (in alphabetical last-name order) Willie Bloomstein, Jack Chun, Mary Jo Clark, Astrid Dodds, Joshua Fay, Kate Frank, Danny Hillis, Andrew Jankovitch, Maria LaPage, Taylor Milsal, Bob Neer, and Anne Marie Reardon, Susana Segat, (last and most-certainly not least) Phoebe Sinclair.

We’re had a lot of lucky good news from the city lately. Now, let’s continue our communal work, in a respectful and joyful meeting tomorrow.

See you soon,
Fred Meyer
ANC Moderator
PART 1 - GENERAL

1.01 SUMMARY

A. The work of this Section consists of providing all labor, equipment and materials to construct the Sta-Lok aggregate surfacing (proprietary product), including aggregate base, as indicated on the Drawings and as specified herein.

1.02 RELATED WORK

A. The following items of related work are specified and included in other Sections of the Specifications:

Section 02100, SITE PREPARATION
Section 02120, EARTHWORK

1.03 REFERENCES

A. The following standards shall apply to the work of this Section.


   D 1557 Laboratory Compaction Characteristics of Soil Using Modified Effort Using [56,000 ft-lbf/ft³ (2,700 kN-m/m³)]

   D4546 One Dimensional Swell or Settlement Potential of Cohesive Soil

   C136 Method for Sieve Analysis for Fine and Course

   F1647-95 Method B

STABILIZER SOLUTIONS, INC.
33 S 28TH ST
PHOENIX, AZ 85034
TOLL FREE: 1-800-336-2468
FAX: (602) 225-5902
www.stabilizersolutions.com

NOTES:
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5. CONTRACTOR’S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 4934-043.

STALOK PAVING MATERIAL

VEHICULAR ACCESS DETAIL

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STALOK PAVING MATERIAL
VEHICULAR ACCESS DETAIL

SECTION

2" OF STALOK® PAVING MATERIALS AS SPECIFIED
4 TO 6 INCHES OF YOUR STATES APPROVED DOT BASE COURSE
COMPACTED SUBGRADE

2"
1.04 SUBMITTALS

A. Product data: For each product specified.

B. Upon acceptance of the aggregate material sample by the Owner’s Representative, Contractor shall send a 5 pound sample of aggregate to manufacturer of aggregate binder for analysis. Manufacturer of aggregate binder shall determine pounds of binder per ton of aggregate required to bind aggregate to meet the requirements of this Section. Manufacturer of aggregate binder shall submit a letter to the Owner’s Representative with his recommendations for pounds of binder per ton of aggregate.

C. Test Reports: Provide the following tests and reports.

1. The Contractor shall provide a one-half pound sample of the sta-lok for testing of swell volume. Testing in accordance with ASTM D4546 shall be performed by a testing agency approved by the Owner’s Representative. Submit test reports to the Owner’s Representative for review and acceptance.

2. Once paving material has been blended with the appropriate aggregate and previous to installation, Contractor shall provide a one-gallon sample bag and send sample to a testing agency approved by the Owner’s Representative. Sample shall be tested for compliance to ASTM-F1647-95, Method B. The contractor shall provide one sample for testing. Submit test reports to the Owner’s Representative for review and acceptance.

D. Construction Samples:

1. Install 5 ft. wide x 10 ft. long mock-up of Sta-Lok aggregate surfacing with stabilizing additive as directed by Owner’s Representative.

2. General:
   a. Schedule mock-up construction so that mock-up can be accepted a minimum of 10 days prior to the application of paving surfaces represented by the mock-up.
   b. Locate mock-up panel in area as directed by Owner’s Representative.
   c. Continue to construct mock-up until acceptable mock-up is produced (at no cost to the Owner). Acceptable mock-up shall be standard for texture, color, and workmanship.
   d. Use same setting bed and edging used in accepted mock-up in final work unless otherwise directed by Owner’s Representative.
   e. Protect accepted mock-up from damage until completion and acceptance of the work represented by the mock-up.
   f. Remove mock-up panel from the site at completion of the project, unless otherwise directed by Owner’s Representative.

1.05 PROJECT/SITE CONDITIONS

A. Environmental Limitations: Do not install Sta-Lok aggregate surfacing during rainy conditions or below 40 degrees Fahrenheit and falling.
B. Sta-Lok aggregate surfacing installation shall only occur between the dates June 1st and August 31st.

1.06 QUALITY ASSURANCE

A. Installer Qualifications: Installer to provide evidence of three projects in the past five years to indicate successful experience in installation of Sta-Lok surfacing.

B. Contractor shall engage an experienced product representative from the aggregate binder manufacturer during installation of the Sta-Lok aggregate surfacing. Product representative shall be experienced in work similar to that required for this Work and shall be approved as such by the Owner’s Representative.

1.07 WARRANTY

A. Contractor shall provide a written warranty agreeing to repair or replace components of stabilized surfacing that fail in materials or workmanship within the specified warranty period. Failures include, but are not limited to, the following:

1. Premature wear and tear, including cracking, spalling or loss of more than ¼ inch of aggregate surface material, provided the material is maintained in accordance with manufacturer’s written maintenance instructions.
2. Failure of system to meet performance requirements.

B. Warranty Period: Contractor shall provide warranty for performance of product. Contractor shall warranty installation of product for the time of one year from completion.

C. Contractor shall provide, for a period of 60 days, unconditional maintenance to include complete repairs to any area of the Sta-Lok surface that fails. Repairs shall be as specified herein.

PART 2 PRODUCTS

2.01 MANUFACTURER

A. Sta-Lok Surfacing is a pre-blended proprietary product and is provided by the following manufacturer:

1. Stabilizer Solutions, Inc., 800-336-2468

2.02 AGGREGATE

A. Crushed stone shall consist of inert materials that are hard, durable, with stone free from surface coatings and deleterious materials. Gradation requirements shall be as follows:

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<tr>
<th>Sieve Size</th>
<th>Percent Passing by Weight</th>
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Glacken Slope
Perimeter Road Reconstruction & Drainage Improvements
02986-3 STA-LOK AGGREGATE SURFACING
#1/2”  98-100  
#3/8”  90-100  
No. 4    65-80  
No. 8    48-63  
No. 16   40-49  
No. 30   30-40  
No. 50   20-27  
No. 100  10-18  
No. 200  10-12  

B. R-value minimum of 70 determined by ASTM D 2488 Methodology (R-value is a measure of wear resistance).

C. Sand equivalent – an engineering measurement of the proportion of sand to silt and clay, will stay at a range of 30-55, as determined by ASTM D 2419 methodology.

PART 3 - EXECUTION

3.01 GRADING

A. Areas to receive Sta-Lok aggregate surfacing shall be compacted and brought to subgrade elevation under Section 02210, EARTHWORK, before work of this Section is performed. Surface shall be constructed at required elevations and to required lines, shall be done under this Section and paid for under this Section STA-LOK AGGREGATE SURFACING.

B. Areas being graded or compacted shall be kept shaped and drained during construction. Ruts greater than or equal to one inch deep in subgrade, shall be graded out, reshaped as required, and re-compacted before placing Sta-Lok aggregate surfacing.

C. Materials shall not be stored or stockpiled on subgrade.

3.02 BLENDING

A. Sta-Lok aggregate surfacing is a solely owned patented process.

B. Blending procedures are performed only by a licensed Sta-Lok aggregate surfacing blender and can only be sold through licensed Sta-Lok aggregate surfacing dealers. It is a pre-blended, bulk material.

3.03 PLACEMENT

A. Place the Stabilized decomposed aggregate or crushed aggregate screenings on prepared sub-grade. Level to desired grade and cross section.

B. Depth of surfacing to be 2” (minimum).
3.04 PLACEMENT/COMPACTION

A. Consult manufacturer if installing on slope.
B. Do not install in rainy conditions.
C. Avoid installing StaLok® surfacing below 30°F. StaLok® surfacing may form clods during transport below 60°F. Large clods may be broken apart with machinery such as front loader, or on their own if left to warm in sun. Small clods will break apart during placement and compaction.
D. Place StaLok® surfacing at a minimum 2” compacted depth. Using a paver box, paver, crawler paver, asphalt paver, drag box paver, pavement profiler, slip form paver, paver-saver place spreader, front loader or equal.
E. Compact StaLok® surfacing.
   1. Compaction can be achieved by a 1 to 5-ton double-drum roller
   2. Lightly compact making one pass.
   3. Make any grade adjustments and add needed material.
   4. Heavily compact material making 8 to 10 passes. Avoid turning on material with roller.
   5. Use plate compactor on edges and hard to get areas. If near wall or curb, hand tamp may be necessary.
   6. Loose material shall not be present on final surface.
   7. No set up or curing time is needed.

3.05 INSPECTION

A. Finished surface shall be uniform and solid, with no evidence of chipping or cracking. Compacted paving material shall be firm to full depth with no soft areas. Loose material shall not be present on the surface and no ruts shall be present. Compaction may increase with time and use.

3.06 MAINTENANCE

A. Remove debris, such as paper, grass clippings, leaves or other organic material by mechanically blowing or hand raking the surface as needed.

3.07 REPAIRS

A. Excavate damaged area to the depth of the StaLok® surfacing and square-off sidewalls.
B. If area is dry, moisten damaged portion lightly and scarify.
C. Apply pre-blended StaLok® surfacing to excavated area to finish grade.
D. Compact with an 8” to 10” hand tamp or 1000 lb. Roller.

PART 4 - COMPENSATION

**Item 2986.1 Sta-Lok Aggregate Surfacing**

METHOD OF MEASUREMENT:
Measurement for Sta-Lok Aggregate Surfacing shall be based on the actual number of square yards of Sta-Lok Aggregate Surfacing placed, complete within the limits shown on the Drawings or as directed by the Owner’s Representative and as measured by the Owner’s Representative.
BASIS OF PAYMENT:
Under the Unit Price for Sta-Lok Aggregate Surfacing, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals including crushed stone subbase required to install Sta-Lok Aggregate Surfacing to the depth and width indicated, complete, as shown in the Drawings or at the direction of the Owner’s Representative.

END OF SECTION 02986