PUBLIC MEETING
Brentwood Today Stream Stabilization Project
May 25, 2016 - 6:30 PM
Green Road Community Center

Agenda

- Welcome
- Project History
- Purpose
- Construction
- Permitting
- Traffic Control
- Real Estate Coordination
- Schedule
- Public Involvement
- Questions and Answers

WELCOME

Thank you for attending the May 25, 2016, Public Meeting for the Brentwood Today Stream Stabilization Project. This meeting is sponsored by the City of Raleigh Stormwater Management Division and we are joined by our Engineering Consultant for the project, HDR of the Carolinas, Inc. The Project Team will be providing you with background information related to the project and presenting the plans for stabilizing the breached dam and downstream channel.

PROJECT HISTORY

The Brentwood Today Lake Dam spillway unfortunately failed in early March 2012. The major challenge the City faced in implementing the proposed plans to restore and preserve the lake and dam required the primary lake owner's willingness to maintain the lake once the proposed project was completed. The primary lake owner and the City could not come to an agreement with the proposed design of rehabilitating the dam and lake.

The City's policy is to obtain permanent easements only over the improvements to the dam and spillway areas for lake restoration projects. This provides for a shared level of responsibility with property owners accepting responsibility for the lake in their area with the City accepting responsibility for the major improvements to the dam and spillway. In 2014, City staff was given direction by the City Council to abandon the dam and lake restoration and to evaluate stream and/or wetland restoration.

PURPOSE

The downstream channel is severely incised and the inverts are undercut. The channel also contains concrete from the spillway and sediment. Vegetation has returned and certain areas have naturally re-stabilized. The City Council has directed Stormwater staff to prepare a wetlands and stream design to stabilize the area. The project design will need to minimize impact to the lake bed and surrounding residents. The lake property owner has expressed interest in pursuing a wetland/stream restoration project in lieu of restoring the lake and dam.

CONSTRUCTION

The project will consist of grading the breached dam and the slopes of the downstream channel. There will be approximately 400 to 500 feet of channel graded. The design will attempt to emulate natural conditions by way of a base flow channel, floodplain bench, and rock ramp to address the existing grade differences. Three (3) rock ramps will each span approximately 40 feet.

PERMITTING

Several permits are required for the project. Permit application packages are being or have been developed for the following permits:

1. NC Department of Environmental Quality, Division of Water Quality 401 Water Quality Certification

2. US Army Corps of Engineers 404 Wetland Permit
3. NC Dam Safety Dam Construction/Modification/Repair/Removal Permit
4. NC Department of Environmental Quality, Division of Energy, Mineral & Land Resources Erosion Control Permit
5. Federal Emergency Management Agency (FEMA) Conditional Letter of Map Revision
6. City of Raleigh Flood Certification for work in the Floodplain
7. City of Raleigh Grading Permits
8. City of Raleigh Construction Review and Traffic Control Plan

The permit packages will be submitted for approval in the next three to four months and are required prior to construction.

TRAFFIC CONTROL

Traffic patterns will need to be adjusted in accordance with the work activities. Road closure is not anticipated at this time, but some portions of the roadway in vicinity of the construction area will limited vehicular traffic controlled by traffic barricades, signs, and flaggers. The construction contractor will be instructed to maintain access to driveways. Please inform the City of Raleigh of any special transportation or medical access issues or concerns as soon as possible. Please complete a comment sheet with this information so we can follow-up with you for additional information.

REAL ESTATE COORDINATION

Temporary Construction Easements (TCEs) will be required from several property owners where the City will need access to construct the improvements. TCEs only apply during construction. They do not grant unlimited access to the property, but do allow access to specified areas of the property. The City of Raleigh has preliminary design plans showing the locations of the temporary construction easements. Once the project is complete, the temporary construction easement will expire.

Permanent drainage easements will also be required in certain locations. Final plans showing the locations of these permanent easements will be finalized shortly. Once the project is complete, the permanent easements will provide access for future maintenance by the City of Raleigh.

SCHEDULE

The City anticipates having the final designs completed and all permits submitted by late 2016. During this period the City will contact property owners to obtain permanent and temporary construction easements. The City would like to bid the project once all easements have been obtained. This date is dependent on how quickly easements are negotiated with all the property owners, receiving permits and any coordination of private utility relocations. The City will follow-up this meeting with an update letter with construction bid dates and anticipated construction start date.

PUBLIC INVOLVEMENT

Participation by all interested parties is encouraged and all comments will be reviewed by City Staff.

A comment sheet is attached for your use in providing us with your input. Please leave comments with one of the City of Raleigh representatives, email to carrie.mitchell@raleighnc.gov or mail comments to Ms. Carrie Mitchell, Project Manager at the following address.

City of Raleigh
Public Works Department
Stormwater Management Division
Attn: Carrie Mitchell, PE
Post Office Box 590
Raleigh, North Carolina 27602-0590

In order to consider all comments, please return your comments by **June 7, 2016**. Thank you for your attendance and participation. The City looks forward to receiving your comments and questions regarding this important project.

May 25, 2016

Carrie Mitchell, PE
City of Raleigh
Public Works Department
Stormwater Management Division
Post Office Box 590
Raleigh, North Carolina 27602-0590

Dear Ms. Mitchell:

I would like to provide the following comments regarding the Brentwood Today Steam Stabilization. Complete this form and mail by **June 7, 2016**.

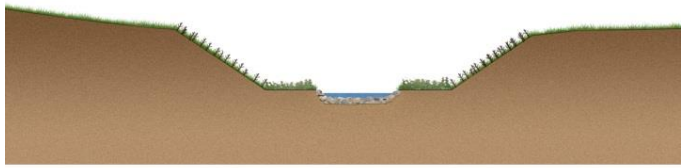
Please type or print name(s): Email Address:

Property Address:

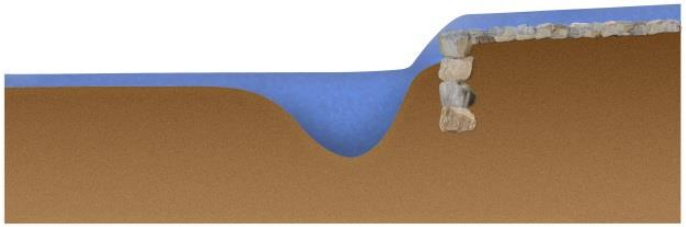
Mailing Address (if different than property address):

Phone Number(s): (home, work, & mobile to be used only in case of emergency)

Comments:



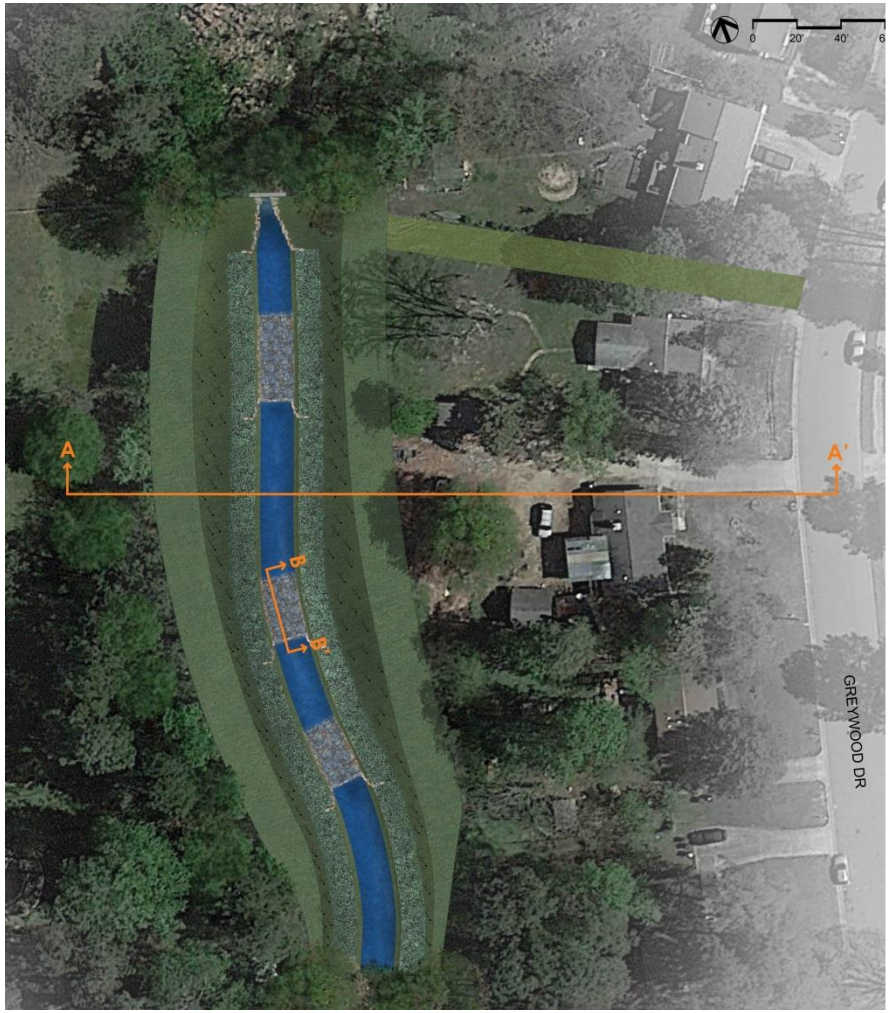
Typical Channel Section



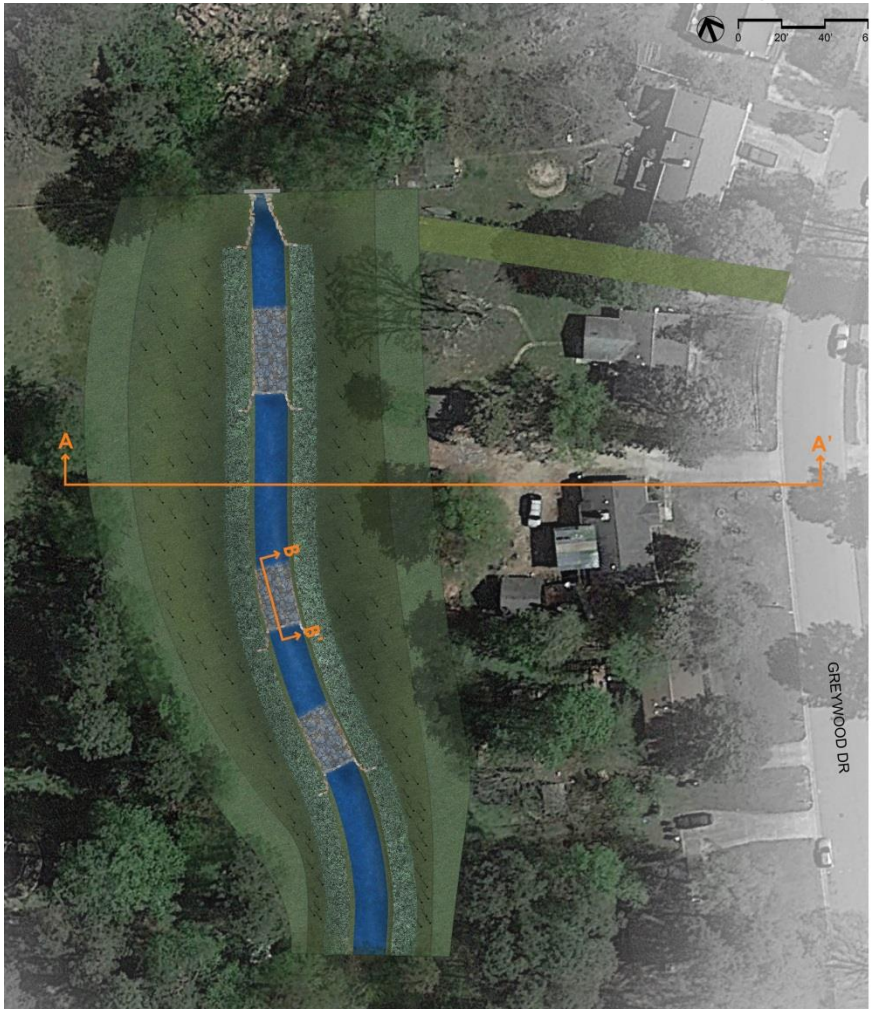
Typical Rip Rap Ramp and Rock Vane Profile

Typical Rip Rap Ramp

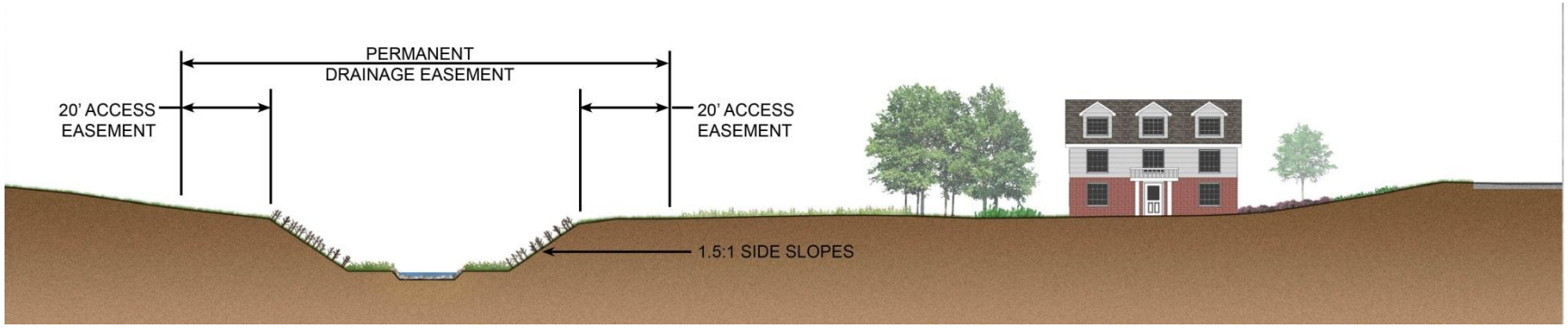
Typical Rock Vane



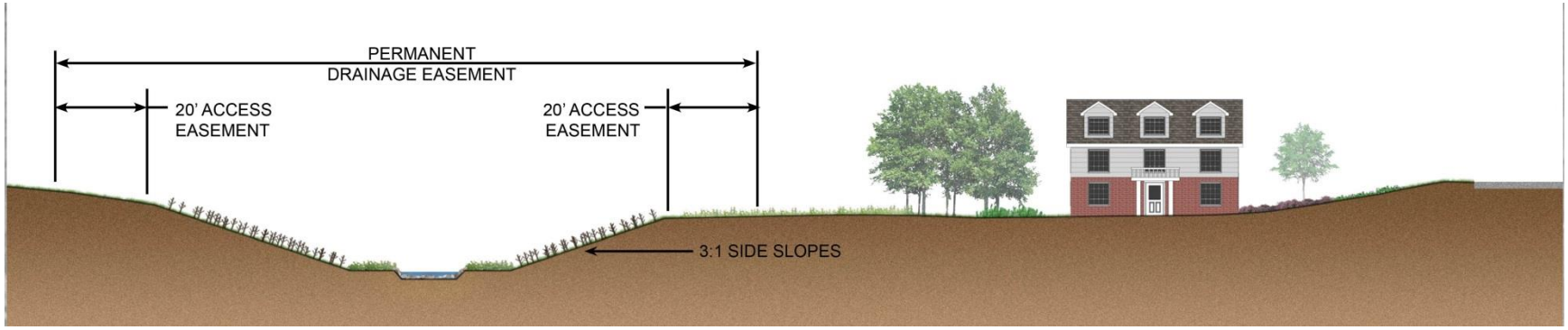
Option 1 – Steeper Slide Slopes (1.5 feet horizontal to 1 foot vertical)



Option 2 – Flatter Side Slopes (3 feet horizontal to 1 foot vertical)



Section A-A Option 1 – Steeper Slide Slopes (1.5 feet horizontal to 1 foot vertical)



Section A-A Option 2 – Flatter Side Slopes (3 feet horizontal to 1 foot vertical)