

**Capital Cascade Trail
Expanded Master Plan Activities and
Segment 2 Design and Permitting
Project Progress Meeting Notes
September 11, 2007**

ATTENDEES

| | |
|---------------------------------------|--------------------------------------|
| Jim Sullivan, Genesis Group | Mark Thomasson, Genesis Group |
| Echo Gates, Genesis Group | Gary Phillips, BP2K |
| Myron Hayden, EGS | Ed Ringe, LPA |
| Theresa Heiker, Leon Co. Public Works | John Buss, COT/Stormwater Management |
| Susan Tanski, City Parks | Del Schwalls, CDM (by telephone) |

DISCUSSION TOPICS

A. EXPANDED MASTER PLAN ACTIVITIES

1. Evaluate Reducing the Peak Stage in Segment 2 Lower Pond and Analyze the Effects Downstream in Segment 3 (GENESIS GROUP – Pending the approval of the Re-calibrated SWMM)
 - 1.1 Evaluate Peak Stage Alternatives in Segment 2 Lower Pond and Determine Corresponding Peak Flow Rates and Runoff Volumes
 - 1.2 Evaluate Segment 3 Improvements to Reduce the Tailwater at South Monroe and Provide Sufficient Conveyance
 - 1.3 Evaluate Segment 3 Improvements to Provide Sufficient Storage for Increased Flows
 - 1.4 Technical Addendum
2. Segments 3 and 4 Expanded Karst Features Analysis (EGS)
 - 2.1 Understanding
 - 2.2 Stormwater Facility 3-1
 - 2.3 Stormwater Facility 3-2
 - 2.4 Stormwater Facility 3-3
 - 2.5 Stormwater Facility 4-1
 - 2.6 Stormwater Facility 4-2
 - 2.7 Stormwater Facility 4-3
 - 2.8 Stormwater Facility 4-4
 - 2.9 Stormwater Facility 4-5
 - 2.10 Technical Addendum

a. Karst features report is not yet complete.

3. Segments 3 and 4 – additional Cultural Resource Assessment
4. Federal Emergency Management Agency (FEMA) Letter of Map Revision (CDM)
 - 4.1 Data Collection, Coordination and Field Survey
 - 4.2 Literature Review
 - 4.3 Field Survey Verification
 - 4.4 Hydrologic and Hydraulic (H&H) Analyses
 - 4.5 The (100-year) Floodplain
 - 4.6 The (500-year) Floodplain
 - 4.7 The (100-year) Floodways
 - 4.8 Floodplain and Floodway Delineation
 - 4.9 Flood Profiles
 - 4.10 Notification of Impacted Property Owners
 - 4.11 FEMA Report
 - 4.12 Additional FEMA Data Requests
 - 4.13 Meetings and Coordination
 - 4.14 Deliverables
- a. **Re-calibration Model – LPA is most concerned about the effects of the model on the design. Information was received late on 9/7/07 from CDM and has been partially reviewed. The greatest concern is that the model is more of a planning model than a design model. Genesis will review the basin modifications with Ed Ringe of LPA.**
- b. **Channel improvements may be needed between South Monroe and Adams Streets. Upon completion of the review by LPA, John Buss and Theresa Heiker will be provided with a copy of the model or meet with LPA to review.**
- c. **The re-calibration included revising land uses and soil types, but no revision of basin geometry. The re-calibrated model includes the infiltration fix by SWMM. This model will be sufficient to begin design of segments. The FEMA model that is accepted will be used for the design of Segment 4. The model will be suitable for evaluating the bypass pipes.**
- d. **Ed Ringe is to meet with Theresa Heiker and John Buss. When agreement is reached on the acceptability of the re-calibrated model, modeling of park will resume.**
5. Interim Improvements for Segment 1 Feasibility Analysis (GENESIS GROUP)
 - 5.1 Complete Partial Topographic Survey for Segment 1
 - 5.2 Identify Potential Interim Improvements for Segment 1

- 5.3 Identify Permitting Issues/resolution Associated with Implementing Interim Improvements
- 5.4 Evaluate Traffic Impacts Associated with Potential Interim Improvement
- 5.5 Final Technical Memorandum

- a. **A meeting with Tony Park at Leon County Public Works was held and construction phasing will be revised as a result. The Suwannee Street extension will be hereafter called Cascade Park Lane. The road will be classified as a local road. Gabe Menendez with C.O.T. will provide roadway requirements/needs. Restricting truck traffic on Franklin, Meridian, Suwannee was discussed and agreed as being a necessity.**
- b. **Cascade Park Lane and the Lower Park will be constructed first, followed by the Upper Park. Closing Franklin Boulevard will cause a substantial impact on traffic flows.**

6. Project Schedule

- a. **Del Schwalls is to update schedule.**
- b. **Genesis to update the project schedule upon submission of the 50% plans.**

B. SEGMENT 2 DESIGN AND PERMITTING

3. Design Surveying (GENESIS GROUP – Lanier Mathews)

- 3.1 Survey Control
- 3.2 Bench Levels
- 3.3 Boundary Survey
- 3.4 Topographic Survey
- 3.5 Tree Survey
- 3.6 Utilities
- 3.7 Jurisdictional Line Survey (EGS/Genesis)
- 3.8 Drainage Survey
- 3.9 Subsurface Utility Engineering (S.U.E.) Excavation/Location
- 3.10 Right of Way Boundaries
- 3.11 Survey Coordination
- 3.12 Final Survey
- 3.13 Easement Descriptions

- a. **The legal description and park survey information is to be given to BP2K at the meeting's close. FDOT is accepting of partially releasing the lease on the parking area.**

4. Final Hydraulic Design (Genesis Group)

- 4.1 Model Simulations

4.2 Trash Traps

- a. **Design level basins have been delineated. Genesis will provide LPA with a preview of model.**

5. Park Programming (CLS) **(COMPLETE)**

- 5.1 Community Outreach Plan
- 5.2 Agenda Setting (Complete)
- 5.3 Master Plan Alternatives
- 5.4 Detailed Master Plan and Park Programming
- 5.5 Workshops
 - 5.5.1 Workshop 1: Program Formation (Complete)
 - 5.5.2 Workshop 2: Design Selection
- 5.6 Executive Committee
- 5.7 Conceptual Design (Complete)
- 5.8 Schematic Design
- 5.9 Local Street Improvements
- 5.10 Park Programming Final Report

- a. **The Cascade feature has returned to a location next to the interactive water play, but separate from the water play. Susan Tanski has identified park staff that is knowledgeable about pool/pump systems. Maintenance of the park and its amenities needs to be identified early so that budgets can be determined. This is a very important issue with current proposed budget cut-backs.**

- b. **50% plans will be submitted for site plan review by Growth Management.**

6. Technical and Administrative Meetings (Team)

- 6.1 City of Tallahassee Stormwater
- 6.2 City of Tallahassee Utility Services
- 6.3 City of Tallahassee Growth Management
- 6.4 Leon County Engineering Services
- 6.5 Leon County Growth Management
- 6.6 City of Tallahassee Parks and Recreation Department
- 6.7 FDEP Jurisdictional Severance

7. Construction Documents (Team)

- 7.1 Cover Sheet
- 7.2 Master Site Plan and Sheet Index Map
- 7.3 General Notes
- 7.4 Summary of Quantities
- 7.5 Typical Sections
- 7.6 Existing Conditions Survey (refer to Task 3)

- 7.7 Stormwater Pollution Prevention Plan
- 7.8 Demolition Plan
- 7.9 Utility Relocation Plan
- 7.10 Site Plan
- 7.11 Coordinate Geometry Plan
- 7.12 Paving (Trail and Parking), Grading, and Grading Plans
 - 7.12.1 Pond Grading Plan
 - 7.12.2 Lower Cascade Pond Drawdown Pump
 - 7.12.3 Stream Restoration Plans and Details
 - 7.12.4 Cross Sections
 - 7.12.5 Parking Lot Modifications
 - 7.12.6 Drainage Structure Sheets
- 7.13 Roadway Improvement Plans
 - 7.13.1 Plan and Profile Sheets
 - 7.13.2 Gaines Street Reconstruction Plan
- 7.14 Traffic Control Plans
- 7.15 (Potable) Water Distribution System
- 7.16 Lake Augmentation Well Plans
- 7.17 Hardscape Plans
- 7.18 Landscape and Irrigation Plans
- 7.19 Electrical Lighting and Emergency Call Box Plans
 - 7.19.1 Electrical Power
 - 7.19.2 Electrical Lighting
 - 7.19.3 Emergency Call Boxes
- 7.20 Retaining Wall Structural
- 7.21 Trail Bridge Plans
- 7.22 Restroom Architectural Plans (Akin & Pinnacle)
 - 7.22.1 Schematic Design Phase
 - 7.22.2 Construction Document Phase
 - 7.22.3 Structural Design Plans
 - 7.22.4 Permitting
 - 7.22.5 Mechanical and Plumbing Engineering Documents
- 7.23 Work within CSX R/W Plans and Details
- 7.24 Special Details
- 7.25 Geotechnical Evaluation
 - 7.25.1 Stormwater Pond
 - 7.25.2 Contamination Assessments
 - 7.25.3 Bridges
 - 7.25.4 Retaining Walls
 - 7.25.5 Restroom Site

- a. **Comments were received from BP2K on 50% roadway plans.**
- b. **The Cascade feature has been removed from Boca Chuba and relocated to the plaza.**
- c. **Design of the Bathhouse is on hold.**

- d. Historic wall plans to be revised and submitted to DHR.**
- e. CSX submittal is being prepared for the channel under the trestle.**
- f. Park staff (maintenance) will be housed in the building behind the main Easter Seals building.**

- 8. Project Schedule (Genesis Group / Team)
- 9. Submittals (Team)
- 10. Technical Specifications (Team)
- 11. Construction Document Submittal Requirements (Team)
 - 11.1 General Requirement
 - 11.2 Drawings
 - 11.3 Opinion of Probable Construction Cost
- 12. Environmental and Permit Support Services (EGS)
 - 12.1 Wetland Delineation
 - 12.2 City of Tallahassee
 - 12.2.1 Natural Features Inventory
 - 12.2.2 Environmental Impact Analysis
 - 12.2.3 Environmental Management Permit
 - 12.2.4 Right-of-Way Construction Permit
 - 12.2.5 Building Permit
 - 12.3 NFWFMD, FDEP and ACOE
 - 12.3.1 Severance of Jurisdiction
 - 12.3.2 Environmental Resource Permit
 - 12.3.3 Permit Packages
 - 12.4 DMS and FDOT
 - 12.5 Florida Division of Historic Resources
 - 12.6 FEMA
 - 12.7 CSX Intermodal

- a. The City has not yet provided comments on the EIA.**
- b. Genesis will provide Susan Tanski with stream restoration plans.**

- 13. Public Information Program (Team)
 - 13.1 Intergovernmental Agency (IA)
 - 13.2 BLUEPRINT 2000 Technical Coordinating Committee and Citizens Advisory Committee

- 13.3 Public/Community Information Meeting
- 13.4 Presentation and Reporting Requirements

- a. **I. A. meeting on 9/17/07, where the supplement will be discussed.**
- b. **BP2K is to pursue historical/cultural grants for funding amenities.**
- c. **FSMS Conference this week where the Meridian marker will be discussed.**
- d. **A Public Information meeting has been scheduled on October 25th at FDOT.**

14. Quality Assurance / Quality Control (Team)

15. Deliverables (Team)

16. Compensation and Method of Payment

C. OTHER BUSINESS

- One (1) set of test data is for alum study was delivered to Mark Thomasson and one set for BP2K by EGS. Some of the parameters from the analysis appeared out of range.
- Dog Park
 - Parks and Recreation is highly supportive of the Dog Park.
 - Ed Ringe presented a concept for water quality in Dog Park. It includes two retaining ponds on the CSX right of way.
 - Parks is agreeable to clean up the Dog Park if necessary.
 - Clay layer cannot be penetrated—used as an environmental control.
 - Repetitive storms for volume control ponds is a concern. Continuous simulation modeling similar to that used for closed basins may have to be studied.
 - Susan Tanski has requested that David Chapman elevate the Dog Park issues to the policy maker level.
 - Suggested T.A.P.P. be used for public awareness.
 - Concept could be feasible as long as the liner of the landfill is not penetrated.

Supplemental Services Request #7 (added for October 9, 2007 Project Progress Meeting)

1 Schematic Design

- 1.1 Bloxham Street Plaza
 - 1.1.1 Restroom/Bathhouse (Complete – Akin)
 - 1.1.2 Meridian Marker Amphitheater Plaza and Stage (Complete – CLS)
 - 1.1.3 Interpretive Cascade Waterfall (Discuss Status)
 - 1.1.4 Interactive Water Play Area (Discuss Status)
 - 1.1.5 Bloxham Street Promenade
- 1.2 Boca Chuba (Complete – CLS)
- 1.3 History Timeline Fence (Complete – CLS)
- 1.4 Dog Park (Discuss Status)

2 Design Scale Model (Discuss Status)

3 Amenity Construction Plans

- 3.1 Bloxham Street Plaza
 - 3.1.1 Signature Bridges (including lighting – Garcia & Pinnacle)
 - 3.1.2 Meridian Marker Amphitheater Plaza and Stage (CLS)
 - 3.1.3 Interpretive Cascade Waterfall (CLS)
 - 3.1.4 Interactive Water Play Area (CLS)
 - 3.1.5 Restroom/Bathhouse Architecture (Akin)
 - 3.1.6 Bloxham Street Promenade (CLS)
- 3.2 Boca Chuba (CLS)
- 3.3 History Timeline Fence (CLS)
- 3.4 Dog Park (Genesis/CLS)
- 3.5 Monroe Street Sidewalk and Streetscape (Genesis)
- 3.6 Bloxham Street Plaza (Genesis)

4 Analysis and Assessments

- 4.1 Franklin/Lafayette Street Intersection (Complete – Genesis)
- 4.2 Suwannee Street Well Assessment (Genesis)
- 4.3 FDOT Parking Lot Analysis (Complete – Genesis)
- 4.4 Boca Chuba Pond Retaining Wall Global Stability (EGS)
- 4.5 Suwannee Street Extension (Cascade Park Lane) Contamination Assessment (EGS)

5 Suwannee Street Extension (Cascade Park Lane) Design

- 5.1 Geotechnical Evaluation (Complete – EGS)
- 5.2 Geometric Design (Genesis)
- 5.3 Pavement Design (Genesis)
- 5.4 Roadway Plans Package (Genesis)
- 5.5 Traffic Control Plans (Genesis)

- 5.6 Utilities (Genesis)
- 5.7 Permitting (Genesis)
- 5.8 Submittals and Deliverables (Genesis)

- 6 Bypass Culvert Structural Design**
 - 6.1 Geotechnical Evaluation (EGS)
 - 6.2 Construction Documents (Genesis)

- 7 Evaluate Double Bypass Culvert Option (Genesis)**
 - 7.1 Determine the “safe” capacity of the St. Augustine Branch (SAB) through the park.
 - 7.2 Determine the “safe combined non-damaging flow rate” that will discharge from the secondary bypass culvert and flow directly down stream.
 - 7.3 Size Double Bypass Culvert
 - 7.4 Secondary Bypass Culvert Route
 - 7.5 Re-size the Primary Bypass Culvert
 - 7.6 Analysis Culvert Sizing
 - 7.7 Analyze System with Double Bypass
 - 7.8 Opinion of Probable Cost
 - 7.9 Report

- 8 CSX Railroad Right of Way Stream Retaining Wall and Floor**
 - 8.1 Retaining wall design (Genesis)
 - 8.2 CSX Permitting (Genesis)
 - 8.3 Geotechnical Evaluation (EGS)
 - 8.4 Submittals and Deliverables (Genesis)

- 9 Suwannee/Lafayette Street Intersection Design**
 - 9.1 Geometric Design (Genesis)
 - 9.2 Pavement Design (Genesis)
 - 9.3 Roadway Plans Package (Genesis)
 - 9.4 Traffic Control Plans (Genesis)
 - 9.5 Traffic Signal Plans (Genesis)
 - 9.6 Geotechnical Evaluation (EGS)
 - 9.7 Environmental Services/Permits (Genesis)
 - 9.8 Submittals and Deliverables (Genesis)

- 10 Franklin/Lafayette Street Intersection Traffic Signal Design & Franklin/Pensacola Traffic Signal Design (Genesis & EGS)**

11 Surface Water Quality Feasibility Study

11.1 Field Investigation

11.2 Lab Testing (EGS)

11.3 Analysis of Data and Lab Tests (PBS&J)

11.4 Report and Presentation

12 Technical and Administrative Meetings

13 XP-SWMM Re-calibration (CDM)

14 Public Information Meeting