

**Capital Cascade Trail  
Expanded Master Plan Activities and  
Segment 2 Design and Permitting  
Project Progress Meeting Notes  
August 14, 2007**

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ATTENDEES

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Mark Llewellyn, Genesis Group	Mark Thomasson, Genesis Group
Echo Gates, Genesis Group	Peter Martin, CLS
Lanier Mathews, Genesis Group	Ed Ringe, LPA
Myron Hayden, EGS	John Buss, COT/Stormwater Management
Theresa Heiker, Leon Co. Public Works	Keith Follmar, Pinnacle
Jim Sullivan, Genesis Group	Frank Lovelace, Pinnacle
Jack Diestelhorst, Capital Cascade Council	Akin Akinyemi, Akin & Assoc.
Susan Tanski, City Parks	

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DISCUSSION TOPICS

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**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 analysis is not yet complete. The report should be finished in the next two weeks.**
- b. **Myron Hayden has meet with NFWFMD about ponds in karst sensitive areas. Verification process is costly (\$3,500/acre). If ponds are deep (>10'), there are stringent permitting requirements. Almost all of Leon County is a karst sensitive area. All CCT – Seg. 2 ponds will be lined.**

3. Segments 3 and 4 – additional Cultural Resource Assessment

**All cultural resource assessments are complete. DHR wants the 30% plans revised to show as much of the wall as possible. Limerock from the historic walls will be used to re-face new walls as possible.**

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. **The model re-calibration is moving slowly, taking more time than originally planned due to the time to run each model. The model with documentation is to be delivered later this week. Infiltration rates, storage node areas, land use and Manning’s “n” valves are being adjusted.**
- b. **As soon as the re-calibration is accepted by Blueprint, COT, and Leon County the FEMA and design work can move forward.**
- c. **CDM will submit an updated schedule as soon as the re-calibrated model is accepted.**

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. **No progress on Expanded Master Plan due to the model re-calibration effort.**

b. **A meeting with Tony Park on roadways is to be scheduled.**

6. Project Schedule

a. **Upon completion of re-calibration, Del Schwalls is to update the schedule for the FEMA work.**

b. **The project schedule will be revised upon submittal of 50% plans to BP2K.**

**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. **Genesis is currently revising descriptions and maps associated with the State owned lands for FDEP/BP2K.**

b. **There is a meeting on 8/15/07 with FDOT about administrative control of parking areas.**

c. **Some COT and County roadways that are currently located outside of existing rights-of-way/within state lands will be resolved (Suwannee Street near Lafayette, and Gaines near Meridian).**

d. **State lease will include the right to adjust and maintain all utilities within the park as needed.**

4. Final Hydraulic Design (Genesis Group)

4.1 Model Simulations

4.2 Trash Traps

**The larger drainage areas of the model have been divided into sub-basins while awaiting the re-calibration 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

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

a. **A meeting was held with Michael Wright to present the water play conceptual design. Dancing fountains with colored lights were requested by Michael Wright. The capacity may be increased to 500. The size of bathroom/bathhouse will need to be determined based on the occupancy load of the water play feature.**

b. **Summary of meeting with Growth Management**

- **The site plan is to be submitted to Growth Management upon completion of the 50% plans.**

- **A linear infrastructure variance will be required.**
  - **An unaltered flood plain variance has a 5% limitation per the comp plan.**
  - **Site planning the entire park will reduce the levels/percent of impact, particularly with respect to flood plains.**
- c. **Jim Sullivan is to schedule meetings with Tony Park and Gabe Menendez.**
- d. **Ann Bidlingmaier meeting went well with a discussion of tree removal. She will need to be kept current with this issue.**
- e. **There is a meeting today with park staff on park features.**
- f. **US-ACOE is developing new guidelines on jurisdiction. They will be involved with the permitting of this project.**

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. **The (early) draft submittal 50% Roadway Plans have been reviewed by Blueprint 2000, and comments should be provided later this week.**
- b. **The cascade feature has been removed from the Bloxham Plaza area and moved to Boca Chuba.**
- c. **Construction Docs**
  - **The plans are moving ahead slowly due to modeling.**
  - **The capacity of bathhouse/restroom is to be updated.**
  - **Swannee Street lane widths will be widened from 10' to 11'.**
  - **The 50% submittal to be made 3 weeks after the re-calibrated model is accepted.**
  - **Susan Tanski reported that the Easter Seals building will be committed to park staff for Cascade Park.**

8. Project Schedule (Genesis Group / Team)

**The schedule is to be revised after submission of the 50% plans to BP2K.**

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

**Opinion of probable cost to be submitted as a document separate from the construction plans.**

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 draft EIA report has been delivered to Genesis. One set was provided to Ed Ringe of LPA.**

**b. Provide Susan Tanski with stream restoration/grading plan view.**

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. IMC Meeting on Monday 8/20/07. Approval of Supplemental No. 7 should follow.**

**b. FSMS meeting on 8/14/07 to review the Meridian marker.**

**c. Public Information Meeting late October, early November.**

14. Quality Assurance / Quality Control (Team)

15. Deliverables (Team)

## 16. Compensation and Method of Payment

### C. OTHER BUSINESS

- Alum Study – Data results for first three storm event analyses have been completed. One set has been turned over to Ed Ringe. Approximately \$10,000 for EGS for supplemental work is currently outstanding. EGS will send invoice as soon as supplement is signed.
- Supplemental services were reviewed.
- The bypass culvert is to be studied by volume and flows. The city is concerned that the park will not provide adequate flood relief. Use of the stages at Wahnish Way was suggested as a standard.
- Myron Hayden will send electronic copy of water quality test results to Genesis and to John Buss.
- John Buss discussed the size of the culverts under South Monroe. The culverts are undersized, but are FDOT's concern. E.C. Driver is currently analyzing the hydraulics at South Monroe for FDOT. Funds for correcting the problems are not included in the resurfacing project, but the problem is being quantified. There is no projected completion date for Driver's study.
- Redi-rock under the CSX trestle will require tie-backs under the railroad. The concept for the box under trestle will be cast-in-place concrete retaining walls and floor. The concept will be submitted to CSX. Structural analysis will most likely require more review fees from CSX.
- Dog Park
  - John Buss had an employee recon the Tom Brown Dog Park where 257 feces piles were found in 1.40 acres.
  - John Buss expressed his strong concern about the location of a dog park that would discharge stormwater directly into the St. Augustine Branch, especially since this stream has been deemed and impaired waterway by EPA. In addition, the design should not move forward until policy makers are informed and a formal decision is made.
  - The two existing COT dog parks are located near water features.
  - Sand filtration can be provided; however, this method does not remove bacteria and viruses.
  - A meeting is coming up with park staff regarding the existing dog parks. Susan Tanski will include John Buss in the meeting.
  - Ed Ringe will raise the issue of water quality with regard to the dog park to Jim Davis and then proceed to resolution.