

**Capital Cascade Trail  
Expanded Master Plan Activities and  
Segment 2 Design and Permitting  
Project Progress Meeting  
June 12, 2007**

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ATTENDEES

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Mark Thomasson, Genesis Group  
Echo Gates, Genesis Group  
Lanier Mathews, Genesis Group  
Myron Hayden, EGS  
Theresa Heiker, Leon Co. Public Works

John Buss, COT/Stormwater Management  
Susan Tanski, City Parks  
Keith Follmar, Pinnacle Engineering  
Latesa Turner, Genesis Group

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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 Design of Segment 2)
  - 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
- a. **SWMM Model Update – A fix to the model has been provided by XP-SWMM. Fix has been provided in Version 10.5. CDM is preparing calibrated St. Augustine Branch model with the repaired module. Eighty hours (80) are estimated to complete re-calibration. When run-off parameters are provided, the models will be run with the park hydraulics.**
- b. **City will review their model for possible problems with the same XP-SWMM model.**
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. **Concern about pond 3-2 at Cleveland Street. There may be an area of karst features and unanticipated features present. Soil borings show a void and soft soils, indicating the possible presence of a sinkhole. Additional soil borings may be needed if the site is further considered for a pond.**
- b. **Two locations in Segment 4 have possible problems.**
- c. **Segment 3 report on 6-13-07, Segment 4 on 6-15-07.**
- d. **EGA is proceeding with ESA.**
- e. **Lab has received alum, and are now ready to sample rains.**
- f. **Water sample from the well is not complete. Some fecal material has been detected. Extensive pumping needed to get rid of fecal material.**
- g. **ACI will be meeting with DHR about the wall removal. A modified letter from DHR is expected.**

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

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. **The technical addendum is still pending.**
- b. **Gas line permit has been approved by County. Work will be performed on 6/23 – 6/24 (weekend). The cost is under development by Lanier Mathews. City Gas will locate and mark the pipeline location. County inspector will be on site.**

6. Project Schedule

- a. **50% complete by end of the month.**

**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. **Updated topo has been submitted.**
- b. **Title search for property/right of way reviewed with FDEP last week. Numerous issues are to be resolved. Title search documents have been turned over to BP2K.**
- c. **Boundary and right of way survey is complete.**

- d. Abandonment legal descriptions have been completed.**
  - 4. Final Hydraulic Design (GENESIS GROUP)
    - 4.1 Model Simulations
    - 4.2 Trash Traps
- a. Parallel bypass has been modeled. We need to know the size of the electrical duct bank and the load that the alum system can handle.**
- b. Double bypass – LPA unsure if it will work or not as many storms will take the treatment offline. Concerns are for stormwater storage that will not be realized along Franklin after the improvements.**
- c. Volume analysis – Pre-con vs. post-con. Eliminating storage on Franklin Boulevard will need to be offset by creating greater storage within the Park.**
- d. Analyze downstream impacts from the double bypass so that flooding is not transferred downstream.**
- e. There are high hydraulic losses in the culvert under the railroad. Analysis in the discharge design may be needed to determine the extent of head loss. Further consideration will be made of what needs to be done at the trestle.**
- f. Bypass pipe will enter pipe upstream of the railroad.**
- g. Careful consideration needs to be made of design of Boca Chuba.**
- h. Schedule meeting to discuss hydraulic design (M. Thomasson).**
  - 5. Park Programming (CLS)
    - 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. **Park Programming Report has been submitted.**
- b. **Traffic improvements have been submitted.**
- c. **Additional meeting to be scheduled with Tony Park at Leon County (J. Clark). Meeting will be scheduled after the gas line is located.**

6. Technical and Administrative Meetings (Team)

- 1. City of Tallahassee Stormwater
- 2. City of Tallahassee Utility Services
- 3. City of Tallahassee Growth Management
- 4. Leon County Engineering Services
- 5. Leon County Growth Management
- 6. City of Tallahassee Parks and Recreation Department
- 7. FDEP Jurisdictional Severance

- a. **Follow up with City Growth Management about variances as needed.**
- b. **Positive meeting with ACOE.**
- c. **No update on meeting with Commissioner Daily on the Lake Hall School House.**

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. **Grading Plan is 99% complete.**
- b. **CSX submittal made and comments received. Clarifications have been sent back to CSX. Review is proceeding forward. CSX is working with BP2K on negotiating review fees.**
- c. **Easter Seal Building is now owned by the City. Key will be provided to Park personnel.**
- d. **Re-use water line scope in progress.**
- e. **Bath house size has been resolved.**
- f. **Drawings have been received from WRS about remediation areas.**
- g. **Sequence of Construction –**
  - **Send text of S.O.C. to Susan Tanski (E. Gates).**

- **M.O.T. Plan to be discussed with Tony Park at Leon County. Revisions to S.O.C. will follow any revisions to the M.O.T.**

8. Project Schedule (Genesis Group / Team)

**a. 50% plans due by end of June.**

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. Working on meeting with Commissioners on tree removal.**

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

14. Quality Assurance / Quality Control (Team)

15. Deliverables (Team)

16. Compensation and Method of Payment

**C. CURRENT ACTION ITEMS**