

GC-005

Contents for Stormwater Management Facilities As-built Files

Each file is to contain:

1. As-built plan
2. Completed construction certification
3. Construction Plan
4. Design Calculations
- ⑤ Watershed Map
6. Maintenance Agreement
7. Correspondence with owners
8. Inspection Records
9. Enforcement Actions

L. Preston Bryant, Jr.
Secretary of Natural Resources

cc: Larry Foster
Dammie
G. Tom Road
Scott Thomas
Board of Supervisors



Jolly Pond GC 005

SUT ✓ Joseph H. Maroon
Director

COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND RECREATION

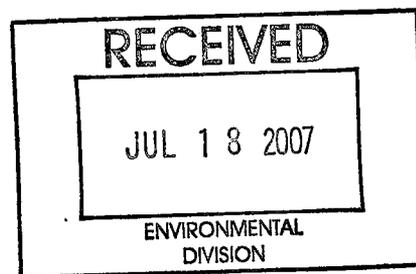
203 Governor Street, Suite 206
Richmond, Virginia 23219-2010
(804) 371-6095 Fax (804) 371-2630

Route:
MOW
WAC
BEM
BACK TO
SCOTT FOR
FILE IN
GC 005.

July 12, 2007

VIA FACSIMILE (757) 253-6833 and FIRST CLASS MAIL

The Honorable Sanford B. Wanner
County Administrator
James City County
Post Office Box 8784
101-C Mounts Bay Road
Williamsburg, Virginia 23187



RE: Jolly Pond Dam Safety Requirements

Dear Mr. Wanner:

The Department of Conservation and Recreation (DCR), Division of Dam Safety and Floodplain Management, is in receipt of the Virginia Department of Transportation's (VDOT) July 10, 2007, letter to you concerning Jolly Pond Road. DCR's Dam Safety staff is very familiar with the conditions that were caused by water from Tropical Storm Ernesto overtopping the dam and roadway, which in turn caused severe erosion to the downstream slope of the dam. The conditions resulted in the undermining of a portion of the road surface and VDOT closing Jolly Pond Road in the Fall of 2006.

Since March 2007, DCR has made several field site visits to Jolly Pond Dam to inspect and assess conditions of the dam as well as participate in meetings with local officials, citizens and the dam owner. Our most recent visit was on July 6, 2007, and we observed that the following conditions continue to exist at the dam: it is covered with trees, predominately Cyprus trees on the upstream side, some uprooted/leaning trees and wooded wetlands on the downstream side; the embankment has many rills and eroded areas; and seepage is continuing to occur through the embankment at several places. It is apparent that the dam is not structurally sound and that the process for bringing the dam into compliance with state dam safety requirements needs to commence as soon as possible.

Because Jolly Pond Dam is of a size that requires it to be regulated under changes in state law effective in 2002, DCR has worked with Mr. William C. Kane, Jolly Pond Dam owner, and Mr. Larry Foster, General Manager, James City Service Authority, James City County (JCC), since March 2007 on negotiating ways of obtaining an agreement developed between JCC and Mr. Kane that includes the temporary road repairs, putting measures in place to re-close Jolly Pond Road during significant storm

*State Parks • Soil and Water Conservation • Natural Heritage • Outdoor Recreation Planning
Chesapeake Bay Local Assistance • Dam Safety and Floodplain Management • Land Conservation*

events and the future steps/approaches that will be used to bring Jolly Pond Dam into full compliance with Virginia law and dam safety regulations. It is DCR's understanding that both Mr. Kane and JCC are aware of the general requirements needed to bring the dam into compliance with state law.

DCR has been informed that on July 6, 2007, Mr. Kane and JCC entered into a one-year lease agreement for the real property under and adjacent to Jolly Pond Road. Since this lease agreement transfers the dam ownership, we are requesting that JCC submit to DCR the completed and properly signed Operation and Maintenance Application, an Emergency Action Plan and the As-Built Report for Jolly Pond Dam by July 17, 2007, so that the Virginia Soil and Water Conservation Board can issue JCC a Conditional Operation and Maintenance Certificate at its meeting on July 19, 2007. Dam Safety staff has reviewed the work that Timmons Group performed through a JCC contract for an inspection and evaluation of the dam structure, including an engineering and hydrology study to support the aforementioned documents that need to be submitted.

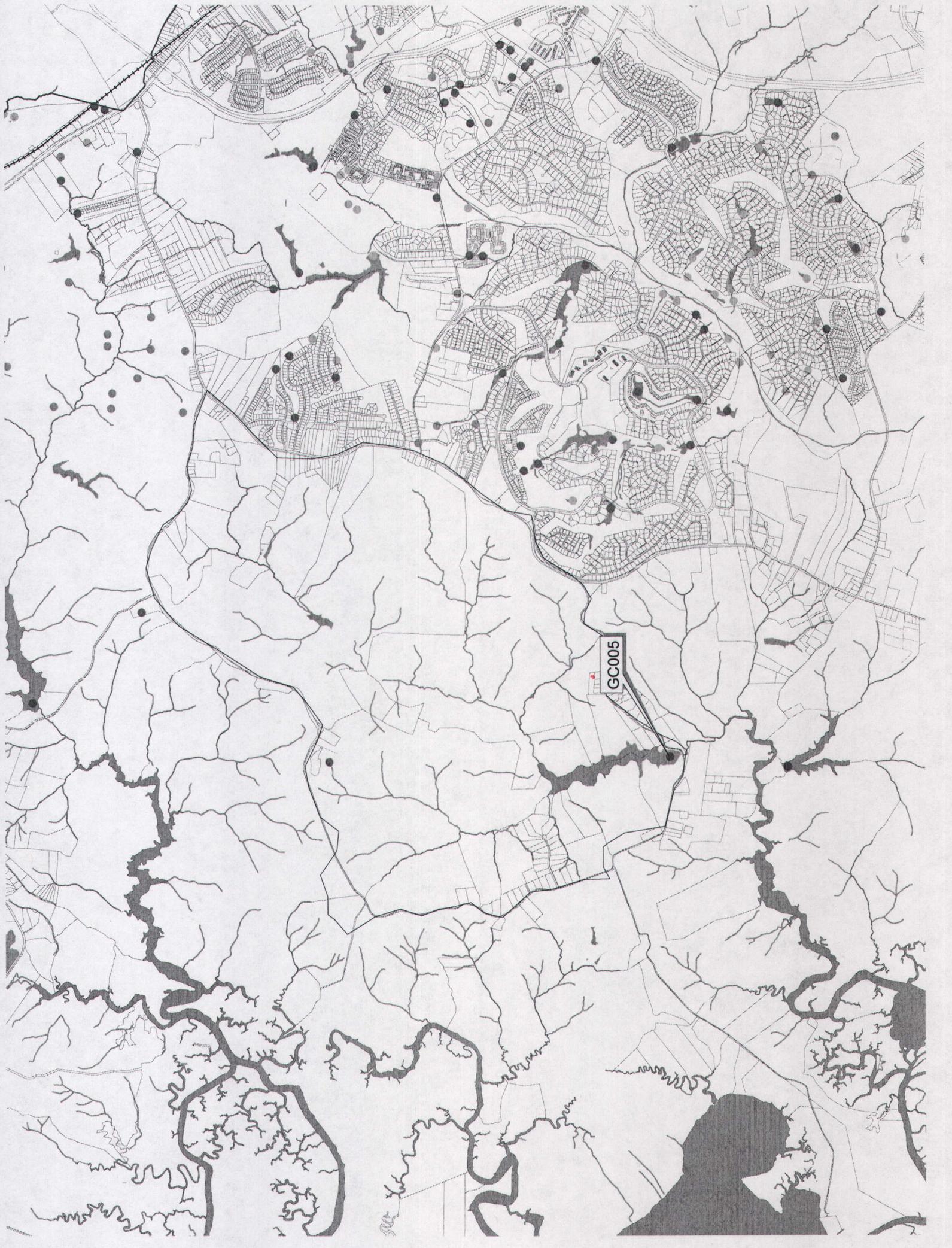
Please be assured that DCR will continue to work with James City County on solutions that address both the temporary road repairs and the longer-term dam repairs. If you have further questions or comments, please feel free to contact me. I may be reached at 804-786-3914 or by e-mail at bill.browning@dcr.virginia.gov.

Sincerely,



William G. Browning, Director
Division of Dam Safety and Floodplain Management

c: The Honorable L. Preston Bryant, Jr., Secretary of Natural Resources
The Honorable Joseph H. Maroon, Director, Department of Conservation and Recreation
James M. Robinson, P. E., Dam Safety Program Manager
Mr. James O. Icenhour, Jr., James City County Board of Supervisors
Mr. Larry Foster, General Manager, James City Service Authority, James City County
Mr. William C. Kane, 4012 Grove Ave., Richmond, VA 23221

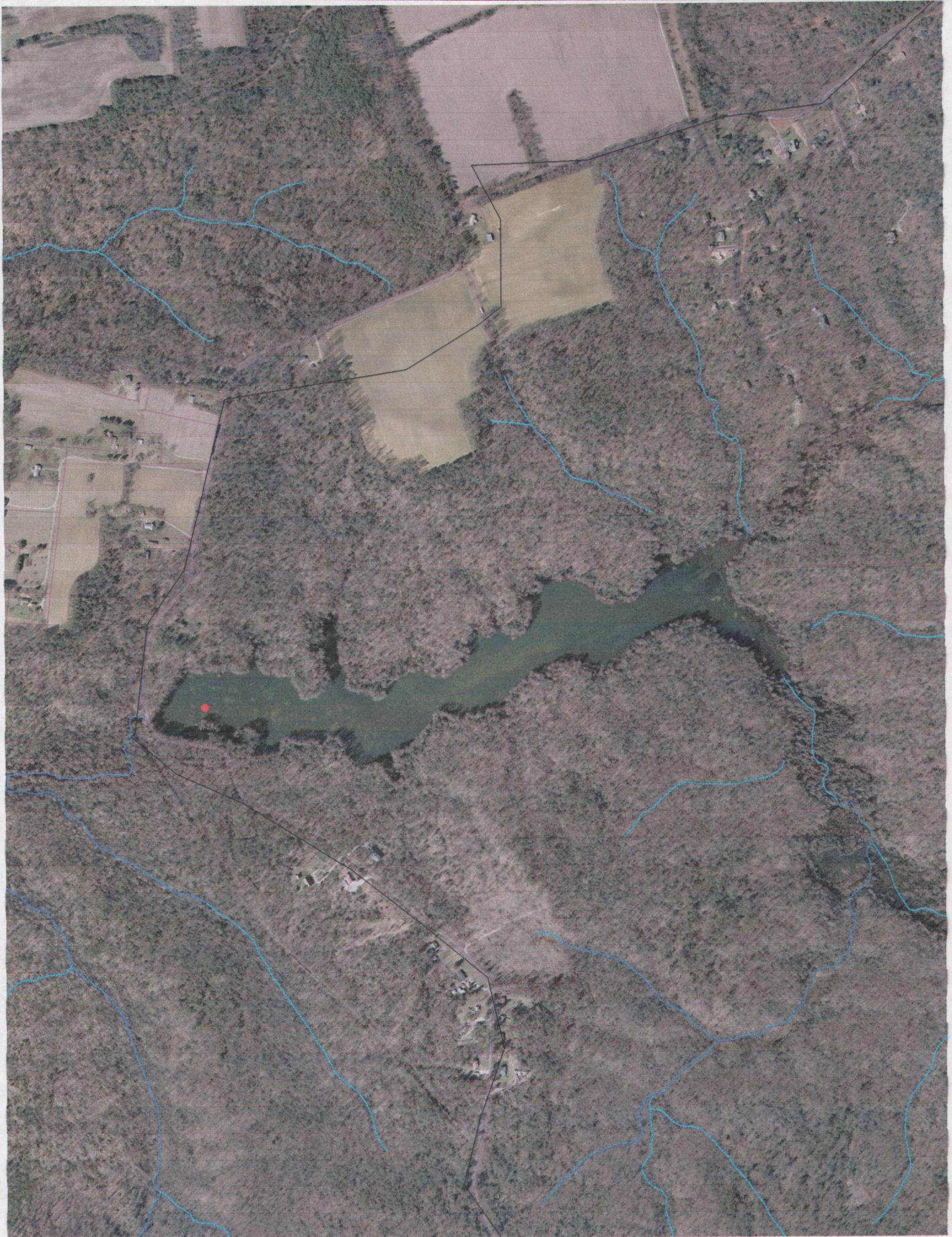


GC005



HAWKINS

GC005



Scott Thomas

From: Scott Thomas
Sent: Tuesday, February 07, 2006 10:59 AM
To: 'ted.miller@kimley-horn.com'
Cc: William A. Cain
Subject: Jolly Pond - GC 005 (Private Dam)

Ted

Yesterday between meetings I took a ride down Jolly Pond Road to take a look at existing Jolly Pond. These are my notes:

- **Primary Spillway:** Situated at east side at wooden bridge. Size is 7 ft. wide by 4 ft. deep by 30 ft. long rectangular concrete (weir) flume. Very little flow out.
- No outlet protection at the end of primary spillway flume. Scouring under concrete.
- Road at primary spillway is about 10-12 ft. paved with a wooden bridge
- **Emergency Spillway:** Situated at west side at wooden bridge. Size is 20 ft. wide by 4 ft. deep by 24 ft. long rectangular concrete weir flume with wing walls. Flow was 3 to 4 inches deep. Pretty good shape except for woody debris on upstream side and scour/channel erosion about 50 ft. downstream of the paved section.
- Road at emergency spillway is about 15 ft. wide paved with a wooden bridge.

Scott J. Thomas, P.E.
James City County
Environmental Division

Scott Thomas

From: Scott Thomas
Sent: Friday, March 02, 2007 1:04 PM
To: Mike Woolson
Subject: RE: Jolly Pond Road Dam

Attachments: Chapter_3-01.pdf

Mike – Here are general notes and a sequence of construction that should be put on the plan map. The state minimum standard for dam earthen embankment construction is attached and should be attached to the submittal package. It doesn't need to be on the drawing(s). An environmental inventory table (unless less than 5,000 sf disturbed) and County E&S notes should be put on the plan also. The plan will need to show total disturbed area and E&S measures to be used. I would think silt fence, erosion control matting and permanent seeding would be all the measures we need for this type of project. I am assuming soil material would need to be imported so we wouldn't worry too much as E&S control for the borrow area.



Chapter_3-01.pdf
(541 KB)

General Notes:

1. Compacted fill and topsoil used for the repair area shall follow construction specifications in accordance with Minimum Standard & Specification 3.01 of the Virginia Stormwater Management Handbook (VSMH).
2. All work activities shall follow the approved erosion and sediment control plan and comply with erosion and sediment control requirements of the Chapter 8 of the County Code, the County Standard Notes, Virginia Erosion and Sediment Control regulations and the Virginia Erosion and Sediment Control Handbook (VESCH).
3. Additional site erosion and sediment control measures may need to be implemented based on site observation and conditions to adequately protect the environmentally sensitive areas associated with the lake and downstream receiving channel areas.
4. Compacted soil areas shall be properly tested by a geotechnical engineer to ensure compliance with construction specification for earthen dam embankment construction.

Sequence of Construction:

1. Preconstruction Conference prior to start of Land-Disturbing Activities.
2. Traffic control measures shall be implemented during work plan activities.
3. Install all erosion and sediment control measures in accordance with the approved erosion and sediment control plan.
4. Perform dam repair activities include limited clearing and cleaning of debris, shaping and backfill of compacted earthen material in accordance with VSMH Minimum Standard 3.01 requirements.
5. Repair road and shoulder to previous conditions and in accordance with VDOT requirements.
6. Stabilize disturbed area with seed and mulch and/or erosion control matting in accordance with the approved erosion and sediment control plan.
7. Remove temporary erosion and sediment control measures with approval of the County Environmental Division inspector.

Scott J. Thomas, P.E.

*Chief Engineer - Stormwater
James City County
Environmental Division*

Visit:
http://www.james-city.va.us/resources/devmgmt/div_devmgmt_environ.html
and
www.protectedwithpride.org

From: Mike Woolson
Sent: Friday, March 02, 2007 9:41 AM
To: Scott Thomas
Subject: Jolly Pond Road Dam
Importance: High

Scott,

Please give me references for compaction and other technical stuff for the E&S plan for the Dam repair at Jolly Pond.

Michael Woolson, CLA
James City County Environmental Division
Senior Watershed Planner
757-253-6823 - office : 757-259-4032 - fax

Visit www.protectedwithpride.org