



## CERTIFICATE OF AUTHENTICITY

THIS IS TO CERTIFY THAT THE FOLLOWING ELECTRONIC RECORDS ARE TRUE AND ACCURATE REPRODUCTIONS OF THE ORIGINAL RECORDS OF JAMES CITY COUNTY GENERAL SERVICES DEPARTMENT- STORMWATER DIVISION; WERE SCANNED IN THE REGULAR COURSE OF BUSINESS PURSUANT TO GUIDELINES ESTABLISHED BY THE LIBRARY OF VIRGINIA AND ARCHIVES; AND HAVE BEEN VERIFIED IN THE CUSTODY OF THE INDIVIDUAL LISTED BELOW.

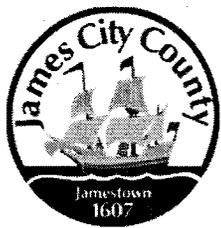
**BMP NUMBER:** PC088

**DATE VERIFIED:** June 6, 2012

**QUALITY ASSURANCE TECHNICIAN:** Leah Hardenbergh

*Leah Hardenbergh*

**LOCATION:** WILLIAMSBURG, VIRGINIA



# Stormwater Division

## MEMORANDUM

**DATE:** February 24, 2010  
**TO:** Michael J. Gillis, Virginia Correctional Enterprises Document Management Services  
**FROM:** Jo Anna Ripley, Stormwater  
**PO:** 270712  
**RE:** Files Approved for Scanning

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**BMP ID or General File ID** PC088

**PIN:** 3720200001B

**Subdivision, Tract, Business or Owner**

**Name (if known):**

Fords Colony

**Property Description:**

Blue Heron Course Holes 1-4 & 14-18

**Site Address:**

*(For internal use only)*

**Box:** FC001

**Drawer:** 1

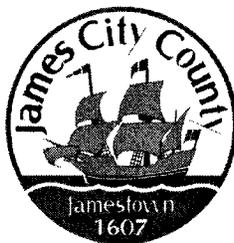
**Agreements:** (in file as of scan date)

N

**Book or Doc#:**

**Page:**

**Comments:**



James City County, Virginia  
Environmental Division

Stormwater Management / BMP Facilities  
Record Drawing and Construction Certification Forms

*(Note: In accordance with the requirements of the Chesapeake Bay Preservation Ordinance, Chapter 23, Section 23-10(4), BMP's shall be designed and constructed in accordance with the manual entitled James City County Guidelines for Design and Construction of Stormwater Management BMP's. Erosion and sediment control policy and approved plans generally require that at the completion of the project and prior to release of surety, an "as-built" plan prepared by a registered Professional Engineer or Certified Land Surveyor must be provided for the drainage system for the project, including any Best Management Practice (BMP) facilities. In addition, for BMP facilities involving the construction of an impounding structure or dam embankment, certification is required by a Professional Engineer who has inspected the structure during its construction. Currently there are over 20 water quality type BMP's accepted by the County.)*

**Section 1 – Site Information:**

Project Name: Ford's Colony at Williamsburg - Links BMP  
 Structure/BMP Name: BMP #2  
 Project Location: Ford's Colony at Williamsburg  
 BMP Location: Adjacent to Links Townhomes, 17TH HOLE  
 County Plan No.: S \_\_\_\_\_ - 99 \_\_\_\_\_ unknown

Project Type:  Residential  Business Tax Map/Parcel No.: (37-2)(1-1)  
 Commercial  Office BMP ID Code (if known): ~~PC085~~ PC088  
 Institutional  Industrial Zoning District: R4  
 Public  Roadway Land Use: Residential Planned Community  
 Other Site Area (sf or acres): n/a

Brief Description of Stormwater Management/BMP Facility: Wet Pond with normal pool elevation of 48.1

Nearest Visible Landmark to SWM/BMP Facility: Intersection of Dogleg Drive and St. Andrews Drive

Nearest Vertical Ground Control (if known):  
 JCC Geodetic Ground Control  USGS  Temporary  Arbitrary  Other  
 Station Number or Name: Inline Storm MH on embankment  
 Datum or Reference Elevation: 52.59 - on Ford's Colony Datum  
 Control Description: Top of Manhole  
 Control Location from Subject Facility: North of structure

**Section 2 – Stormwater Management / BMP Facility Construction Information:**

PreConstruction Meeting Held for Construction of SWM/BMP Facility:  Yes  No  Unknown  
Approx. Construction Start Date for SWM/BMP Facility: Unknown  
Facility Monitored by County Representative during Construction:  Yes  No  Unknown  
Name of Site Work Contractor Who Constructed Facility: Unknown  
Name of Professional Firm Who Routinely Monitored Construction: Unknown at time of construction  
Date of Completion for SWM/BMP Facility: Approximately 1986  
Date of Record Drawing/Construction Certification Submittal: \_\_\_\_\_

***(Note: Record Drawing and Construction Certifications are required within thirty (30) days of the completion of Stormwater Management and/or BMP facility construction. Record Drawings and Construction Certifications must be reviewed and approved by the James City County Environmental Division prior to final inspection, acceptance and bond or surety release.)***

**Section 3 – Owner / Designer / Contractor Information:**

Owner/Developer: *(Note: Site Owner or Applicant responsible for development of the project.)*

Name: Ford's Colony Home Owners Association  
Mailing Address: 100 Manchester Drive  
Williamsburg, VA 23188  
Business Phone: (757) 258-4230 Fax: (757)258-4065  
Contact Person: Drew Mulhare Title: \_\_\_\_\_

Design Professional: *(Note: Professional Engineer or Certified Land Surveyor responsible for the design and preparation of plans and specifications for the Stormwater Management / BMP facility.)*

Firm Name: AES Consulting Engineers  
Mailing Address: 5248 Olde Towne Road, Suite 1  
Williamsburg, VA 23188  
Business Phone: (757) 253-0040  
Fax: (757) 220-8994  
Responsible Plan Preparer: Jason Grimes  
Title: Project Manager  
Plan Name: Ford's Colony at Williamsburg  
Firm's Project No. 5652-33C  
Plan Date: \_\_\_\_\_  
Sheet No.'s Applicable to SWM/BMP Facility:  / / / /

BMP Contractor: *(Note: Site Work Contractor directly responsible for construction of the Stormwater Management / BMP facility.)*

Name: Unknown  
Mailing Address: \_\_\_\_\_  
Business Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Site Foreman/Supervisor: \_\_\_\_\_  
Specialty Subcontractors & Purpose (for BMP Construction Only):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Section 4 – Professional Certifications:**

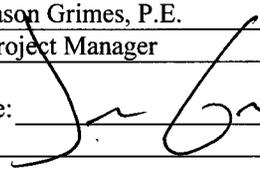
Certifying Professionals: *(Note: A Registered Professional Engineer or Certified Land Surveyor is responsible for preparation of a Record Drawing, sometimes referred to as an As-Built plan, for the drainage system for the project including any Stormwater Management/BMP Facilities. A Registered Professional Engineer is responsible for the inspection, monitoring and certification of Stormwater Management / BMP facilities during its construction.)*

**Record Drawing and Construction Certifications for Stormwater Management / BMP Facilities**

**Record Drawing Certification**

Firm Name: AES Consulting Engineers  
Mailing Address: 5248 Olde Towne Road, STE 1  
Williamsburg, VA 23188  
Business Phone: (757) 253-0040  
Fax: (757) 220-8994

Name: Jason Grimes, P.E.  
Title: Project Manager

Signature:   
Date: 4/25/06

I hereby certify to the best of my knowledge and belief that this record drawing represents the actual condition of the Stormwater Management / BMP facility. ~~The facility appears to conform with the provisions of the approved design plan, specifications and stormwater management plan, except as specifically noted.~~

*No construction design plans are available for this facility.*



\_\_\_\_\_  
(Seal)  
Virginia Registered Professional Engineer  
Or Certified Land Surveyor

**Construction Certification**

Firm Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
Business Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_

Name: \_\_\_\_\_  
Title: \_\_\_\_\_

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

*SEE EARTHWORKS  
FIELD REPORT*

I hereby certify to the best of my knowledge and belief that this Stormwater Management / BMP facility was monitored and constructed in accordance with the provisions of the approved design plan, specifications and stormwater management plan, except as specifically noted.

\_\_\_\_\_  
(Seal)  
Virginia Registered  
Professional Engineer



*Earthworks Consulting Engineers, Inc.*  
 4305 Cutshaw Avenue · Richmond, Virginia 23230  
 Phone: (804) 355-4567 Fax: (804) 355-5958

**FIELD REPORT No. 1**

Page 1 of 1

Project No. 1552

Permit No. N/A  
 Permit Date:

Project Name:  
**Fords Colony BMP Inspections**

Day/Date: Weather/Temp:  
**Thurs/6 April 06 Clear/60°**

Location:  
**Fords Colony, James City Co., VA**

Arrive on Site:  
**1100**

Client:  
**Fords Colony**

Depart Site:  
**1330**

Contractor:  
**N/A**

Time on Site:  
**2.5**

Travel Time:  
**1.0**

Reporting Time:  
**0.5**

Scope of Services:  
**Dam Embankment Observations**

**TOTAL CHARGEABLE HOURS: 4.0**  
**CHARGEABLE EXPENSES: 60 Mi.**

Deficiency Needing Correction

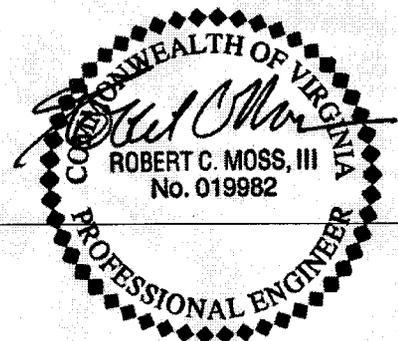
No Deficiency Observed

Professional Engineer visited site to observe condition of dam embankments at BMP's PC 083 and PC 088 within the Fords Colony Development. These impoundments are to serve as part of the stormwater management system for the Fords Colony Condominiums project to be located near the Club House.

Observations of the embankments were made for indications of erosion, seepage, slope failure, and damaging vegetation as well as seepage around the spillway pipe structures.

The existing embankments appear to be in good condition. No erosion or excessive seepage was present. No tree growth is present on the embankments. Grass cover is well established and maintained. Both embankments contain golf fairways, and their crest width and side slopes exceed typical design requirements for earthen dams.

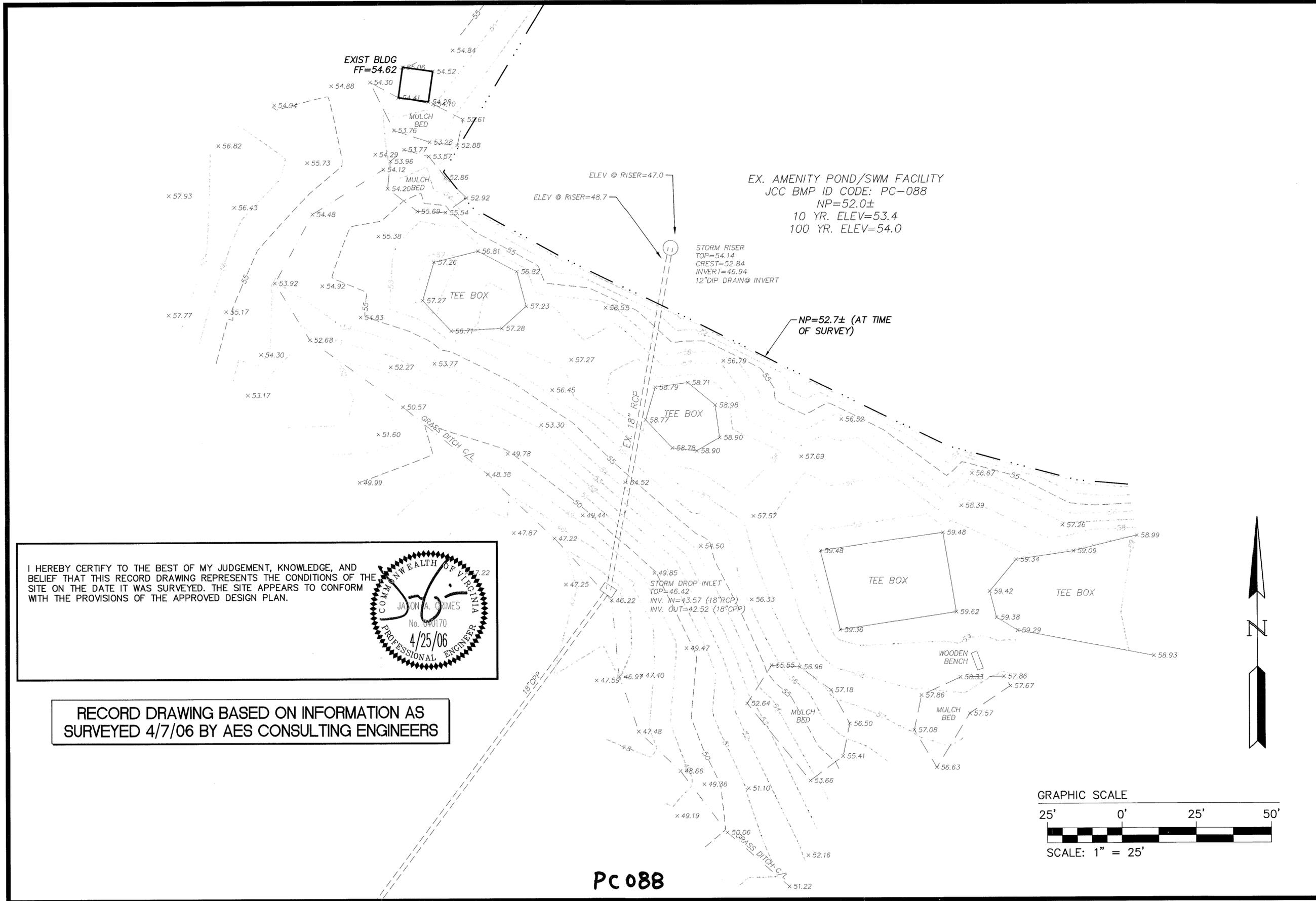
No embankment maintenance appears required at this time.



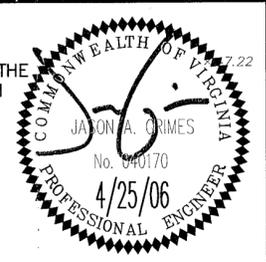
Distribution:  
 (1) Client  
 (1) AES Consulting Engineers

By:

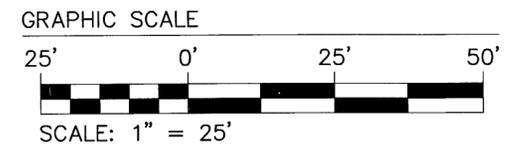
Robert C. Moss, PE  
 Earthworks Consulting Engineers, Inc.



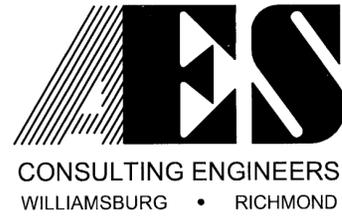
I HEREBY CERTIFY TO THE BEST OF MY JUDGEMENT, KNOWLEDGE, AND BELIEF THAT THIS RECORD DRAWING REPRESENTS THE CONDITIONS OF THE SITE ON THE DATE IT WAS SURVEYED. THE SITE APPEARS TO CONFORM WITH THE PROVISIONS OF THE APPROVED DESIGN PLAN.



RECORD DRAWING BASED ON INFORMATION AS SURVEYED 4/7/06 BY AES CONSULTING ENGINEERS



**PC 088**  
**17TH HOLE POND**

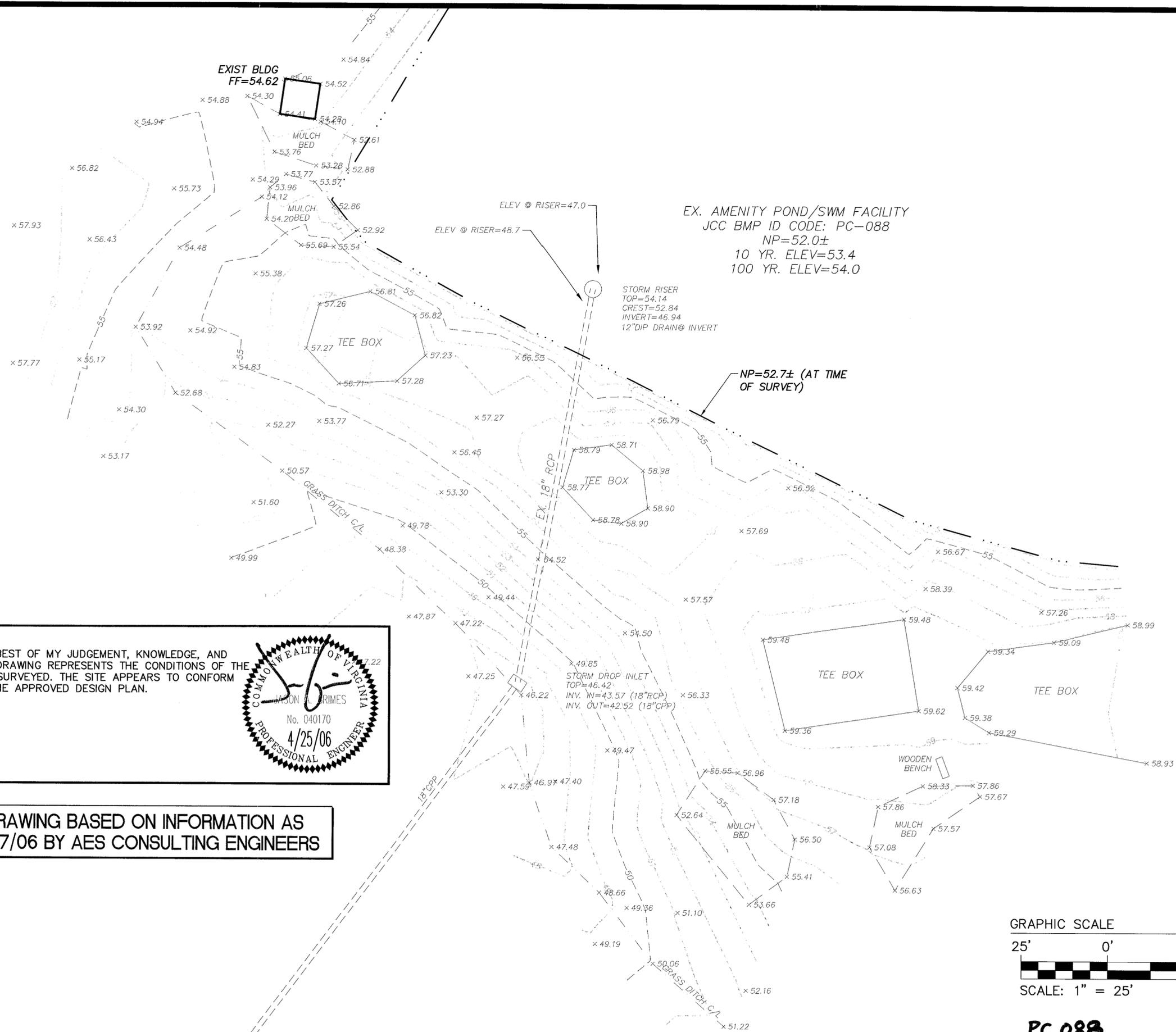


5248 Olde Towne Road, Suite 1  
Williamsburg, Virginia 23188  
(757) 253-0040  
Fax (757) 220-8994

AS-BUILT SURVEY OF ~~DAM#2~~  
**FORD'S COLONY  
AT WILLIAMSBURG**  
OWNER / DEVELOPER : FORD'S COLONY COUNTRY CLUB  
POWhatan DISTRICT    JAMES CITY COUNTY    VIRGINIA

| No. | DATE | REVISION / COMMENT / NOTE | BY |
|-----|------|---------------------------|----|
|     |      |                           |    |
|     |      |                           |    |
|     |      |                           |    |
|     |      |                           |    |

|                        |                 |
|------------------------|-----------------|
| Designed<br>CBR        | Drawn<br>DLD    |
| Scale<br>1"=25'        | Date<br>3/22/05 |
| Project No.<br>5652-63 |                 |
| Drawing No.<br>1 OF 1  |                 |



EX. AMENITY POND/SWM FACILITY  
 JCC BMP ID CODE: PC-088  
 NP=52.0±  
 10 YR. ELEV=53.4  
 100 YR. ELEV=54.0

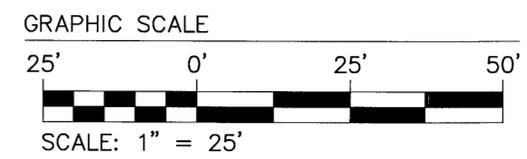
STORM RISER  
 TOP=54.14  
 CREST=52.84  
 INVERT=46.94  
 12" DIP DRAIN @ INVERT

NP=52.7± (AT TIME OF SURVEY)

I HEREBY CERTIFY TO THE BEST OF MY JUDGEMENT, KNOWLEDGE, AND BELIEF THAT THIS RECORD DRAWING REPRESENTS THE CONDITIONS OF THE SITE ON THE DATE IT WAS SURVEYED. THE SITE APPEARS TO CONFORM WITH THE PROVISIONS OF THE APPROVED DESIGN PLAN.

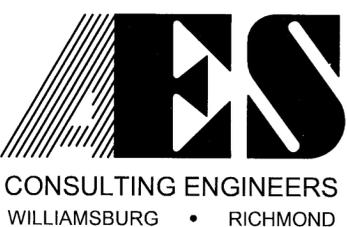


RECORD DRAWING BASED ON INFORMATION AS SURVEYED 4/7/06 BY AES CONSULTING ENGINEERS



PC 088

17TH HOLE POND



AS-BUILT SURVEY OF ~~DAM#2~~  
**FORD'S COLONY  
 AT WILLIAMSBURG**  
 OWNER / DEVELOPER : FORD'S COLONY COUNTRY CLUB  
 POWHATAN DISTRICT JAMES CITY COUNTY VIRGINIA

| No. | DATE | REVISION / COMMENT / NOTE | BY |
|-----|------|---------------------------|----|
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|                        |                 |
|------------------------|-----------------|
| Designed<br>CBR        | Drawn<br>DLD    |
| Scale<br>1"=25'        | Date<br>3/22/05 |
| Project No.<br>5652-63 |                 |
| Drawing No.<br>1 OF 1  |                 |

(757) 253-0040  
 FAX (757) 220-8994

|  |                     |
|--|---------------------|
| DATE<br>4/25/06                            | JOB NO.<br>5652-33c |
| ATTENTION<br>Scott Thomas                  |                     |
| RE:<br>Ford's Colony<br>Egglecliffe Condos |                     |

TO JCC Environmental

WE ARE SENDING YOU  Attached  Under separate cover via \_\_\_\_\_ the following items:

- Shop drawings   
  Prints   
  Plans   
  Samples   
  Specifications  
 Copy of letter   
  Change order   
  \_\_\_\_\_

| COPIES | DATE | NO. | DESCRIPTION                     |
|--------|------|-----|---------------------------------|
| 2      |      |     | BMP As-builts<br>BMP#1<br>BMP#2 |

ENVIRONMENTAL  
DIVISION

APR 25 2006

RECEIVED

PC088,  
PC088

THESE ARE TRANSMITTED as checked below:

- For approval   
  Approved as submitted   
  Resubmit \_\_\_\_\_ copies for approval  
 For your use   
  Approved as noted   
  Submit \_\_\_\_\_ copies for distribution  
 As requested   
  Returned for corrections   
  Return \_\_\_\_\_ corrected prints  
 For review and comment   
  \_\_\_\_\_  
 FOR BIDS DUE \_\_\_\_\_   
  PRINTS RETURNED AFTER LOAN TO US

REMARKS

Please contact me on these as-builts.

COPY TO \_\_\_\_\_ SIGNED: JASON GRIMES

If enclosures are not as noted, kindly notify us at once.

**WATERSHED** PC  
**BMP ID NO** 088  
**PLAN NO**  
**TAX PARCEL** (30-4)(1-2)  
**PIN NO** 3040100002  
**CONSTRUCTION DATE** 1/1/1984  
**PROJECT NAME** Ford's Colony - The Links  
**FACILITY LOCATION**  
**CITY-STATE**  
**CURRENT OWNER** RealTech Inc.  
**OWNER ADDRESS** One Fords Colony Drive  
**OWNER ADDRESS 2**  
**CITY-STATE-ZIP CODE** Williamsburg, VA 23185  
**OWNER PHONE**  
**MAINT AGREEMENT** Yes  
**EMERG ACTION PLAN** No

**MAINTENANCE PLAN** No  
**SITE AREA acre**  
**LAND USE** SF Residential  
**old BMP TYP** Wet Pond  
**JCC BMP CODE**  
**POINT VALUE** 8  
  
**SVC DRAIN AREA acres** 54.6  
**SERVICE AREA DESCR** Links, Marriott & Hotel/Conv Ctr  
**IMPERV AREA acres**  
**RECV STREAM** UT of Pow Creek  
**EXT DET-WQ-CTRL** No  
**WTR QUAL VOL acre-ft** 23.7  
**CHAN PROT CTRL** No  
**CHAN PROT VOL acre-ft** 0  
**SW/FLOOD CONTROL** No  
**GEOTECH REPORT** No

**CTRL STRUC DESC** RCP Riser  
**CTRL STRUC SIZE inches**  
**OTLT BARRL DESC** RCP Barrel  
**OTLT BARRL SIZE inch** 18  
  
**EMERG SPILLWAY** No  
**DESIGN HW ELEV** 54.0  
**PERM POOL ELE** 52.7  
**2-YR OUTFLOW cfs**  
**10-YR OUTFLOW cfs**  
**REC DRAWING** Yes  
  
**CONSTR CERTI** No  
  
**LAST INSP DATE** 8/29/2000  
**INTERNAL RATING** 4  
**MISC/COMMENTS**  
 17th Hole Pond. AB received Apr 25 2006.

**Get Last BMP No**

**Return to Menu**



PC088

