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: **PC212**

DATE VERIFIED: **October 1, 2012**

QUALITY ASSURANCE TECHNICIAN: **Leah Hardenbergh**

Leah Hardenbergh

LOCATION: WILLIAMSBURG, VIRGINIA

Stormwater Division

MEMORANDUM

Date: March 23, 2012

To: Michael J. Gillis, Virginia Correctional Enterprises Document Management Services

From: Leah Hardenbergh

PO: 110426

Re: Files Approved for Scanning

General File ID or BMP ID:	**PC212**
PIN:	**3910100011**
Owner Name (if known):	**BOB CAT CONDOMINIUM MANAGEMENT CENTER**
Legal Property Description:	**CA BOB-CAT CONDOMINIUM MANAGEMENT CENTER**
Site Address:	**116 TEWNING ROAD**

(For internal use only):

Box # 1

Agreements (in file as of scan date): Y Book or Doc #: 020018258/020024550

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

COUNTY OF JAMES CITY, VIRGINIA

COPY

DECLARATION OF COVENANTS

INSPECTION/MAINTENANCE OF DRAINAGE SYSTEM

THIS DECLARATION, made this 15 day of OCTOBER, 2002, between ROBERT F. RIPLEY, F. SCOTT HEDERER & TRACY L. RIPLEY, Agents Hederer and all successors in interest, ("COVENANTOR(S),") owner(s) of the following property: BOB-CAT CONDOMINIUM MANAGEMENT CENTER, project name, BOB-CAT CONDOMINIUM BUILDING ADDITION UNIT 'E', Document No. _____, Deed Book 474, Page No. 592; Instrument No. 020018258, and the County of James City, Virginia ("COUNTY.")

WITNESSETH:

We, the COVENANTOR(S), with full authority to execute deeds, mortgages, other covenants, and all rights, titles and interests in the property described above, do hereby covenant with the COUNTY as follows:

1. The COVENANTOR(S) shall provide maintenance for the drainage system including any runoff control facilities, conveyance systems and associated easements, hereinafter referred to as the "SYSTEM," located on and serving the above-described property to ensure that the SYSTEM is and remains in proper working condition in accordance with approved design standards, and with the law and applicable executive regulations. The SYSTEM shall not include any elements located within any Virginia Department of Transportation rights-of-way.

2. If necessary, the COVENANTOR(S) shall levy regular or special assessments against all present or subsequent owners of property served by the SYSTEM to ensure that the SYSTEM is properly maintained.

3. The COVENANTOR(S) shall provide and maintain perpetual access from public right-of-ways to the SYSTEM for the COUNTY, its agent and its contractor.

4. The COVENANTOR(S) shall grant the COUNTY, its agent and its contractor a right of entry to the SYSTEM for the purpose of inspecting, operating, installing, constructing, reconstructing, maintaining or repairing the SYSTEM.

5. If, after reasonable notice by the COUNTY, the COVENANTOR(S) shall fail to maintain the SYSTEM in accordance with the approved design standards and with the law and applicable executive regulations, the COUNTY may perform all necessary repair or maintenance work, and the COUNTY may assess the COVENANTOR(S) and/or all property served by the SYSTEM for the cost of the work and any applicable penalties.

Instrument # 020024550
Recorded on Oct. 22, 2002

6. The COVENANTOR(S) shall indemnify and save the COUNTY harmless from any and all claims for damages to persons or property arising from the installation, construction, maintenance, repair, operation or use of the SYSTEM.

7. The COVENANTOR(s) shall promptly notify the COUNTY when the COVENANTOR(S) legally transfers any of the COVENANTOR(S)' responsibilities for the SYSTEM. The COVENANTOR(S)' shall supply the COUNTY with a copy of any document of transfer, executed by both parties.

8. The covenants contained herein shall run with the land and shall bind the COVENANTOR(S) and the COVENANTOR(S)' heirs, executors, administrators, successors and assignees, and shall bind all present and subsequent owners of property served by the SYSTEM.

9. This COVENANT shall be recorded in the County Land Records.

IN WITNESS WHEREOF, the COVENANTOR(S) have executed this DECLARATION OF COVENANTS as of the date first above written.

COVENANTOR(S)

Robert Ripley

Print Name/Title ROBERT F. RIPLEY, OWNER

ATTEST:

_____

COVENANTOR(S)

Tracy Ripley

Print Name/Title TRACY L. RIPLEY, OWNER

ATTEST:

F. Scott Hederer

_____

F. SCOTT HEDERER, OWNER

 Agnes D. Hederer Revised 01/02

Agnes D. Hederer

COMMONWEALTH OF VIRGINIA
CITY/COUNTY OF James City

I hereby certify that on this 15th day of October, 2002, before the subscribed, a Notary Public of the State of Virginia, and for the City/County of James City, aforesaid personally appeared Robert Ripley, Tracy L. Ripley, F. Scott Agnes D. Hedrick, Hedrick and did acknowledge the aforegoing instrument to be their Act.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal this 15th day of October, 2002.

Linda S. Heuton
Notary Public

My Commission expires: 1/30/03

Approved as to form:

Asst. County Attorney

This Declaration of Covenants prepared by:

Robert F. Ripley
(Print Name)

OWNER / CONTRACTOR
(Title)

122 TEWNING ROAD
(Address)

WMSBG, VA 23188
(City) (State) (Zip)

drainage.pre

James City County Environmental Division
Stormwater Management/BMP Record Drawing & Construction Certification Review
Tracking Form

Project Name: Bob-Cat Condominium Building Addition
County Plan No.: SP-093-01
Stormwater Management Facility: Infiltration Trench
BMP Phase #: ☐ I ☐ II ☐ III

- ☐ Information Package Received. Date/By: _____
- ☒ Completeness Check:
  - ☒ Record Drawing Date/By: _____
  - ☒ Construction Certification Date/By: _____
  - ☐ RD/CC Standard Forms (Required for all BMPs after Feb 1st 2001Only)
  - ☒ Insp/Maint Agreement # / Date: _____
  - ☒ BMP Maintenance Plan Location: _____
  - ☐ Other: _____
- ☐ Standard E&SC Note on Approved Plan Requiring RD/CC or County comment in plan review
  - ☐ Yes ☐ No Location: _____
- ☒ Assign **County BMP ID Code #**: Code: PC-212
- ☒ Preliminary Input/Log into Division's "As-Built Tracking Log"
- ☒ Add Location to GIS Map. Obtain basic site information (GPIN, Owner, Address, etc.)
- ☒ Preliminary Log into Access Database (BMP ID #, Plan No., GPIN, Project Name, etc.)
- ☒ Active Project File Review (correspondence, H&H, design computations, etc.).
- ☒ Initial As-Built File setup (File label, folder, copy plan/details/design information, etc.). fld
- ☒ Inspector Check of RD/CC (forward to Inspector using transmittal for cursory review).
- ☒ Pre-Inspection Drawing Review of Approved Plan (Quick look prior to Field Inspection).
- ☒ Final Inspection (FI) Performed Date: 1/21/10 Aye
- ☒ Record Drawing (RD) Review Date: 1/21/10
- ☒ Construction Certification (CC) Review Date: 1/21/10
- ☒ Actions:
  - ☒ No comments.
  - ☐ Comments. Letter Forwarded. Date: _____
  - ☐ Record Drawing (RD)
  - ☐ Construction Certification (CC)
  - ☐ Construction-Related (CR)
  - ☐ Site Issues (SI)
  - ☐ Other : _____
- ☐ Second Submission: _____
- ☐ Reinspection (if necessary): _____
- ☒ Acceptable for SWM Purposes (RD/CC/CR/Other). Ok to proceed with bond release.
- ☒ Complete "Surety Request Form".
- ☒ Check/Clean active file of any remaining material and finish "As-Built" file.
- ☐ Add to County BMP Inventory/Inspection schedule (Phase I, II or III).
- ☒ Copy Final Inspection Report into County BMP Inspection Program file.
- ☐ Obtain Digital Photographs of BMP and save into County BMP Inventory.
- ☐ Request mylar/reproducible from As-Built plan preparer.
- ☒ Complete "As-built Tracking Log".
- ☒ Last check of BMP Access Database (County BMP Inventory).
- ☐ Add BMP to JCC Hydrology & Hydraulic database (optional).
- ☐ Add BMP to Municipal BMP list (if a County-owned facility)
- ☐ Add BMP to PRIDE BMP ratings database.

Final Sign-Off

Inspector: Amy Parker Date: 1/21/10

Chief Engineer: _____ Date: _____

*** See separate checklist, if needed.

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: Bob-Cat Condo. Building Addition
Structure/BMP Name:
Project Location: 128 Tewning Rd
BMP Location: 128 Tewning Rd
County Plan No.: SP - 93 - 01

Project Type:
- ☐ Residential
- ☑ Commercial
- ☐ Institutional
- ☐ Public
- ☐ Other
- ☐ Business
- ☐ Office
- ☑ Industrial
- ☐ Roadway

Tax Map/Parcel No.: (39-1)(1-11)
BMP ID Code (if known):
Zoning District:: M-1
Land Use:
Site Area (sf or acres): 1.30 Acres

Brief Description of Stormwater Management/BMP Facility:

25 Ft Sq x 5'6" Dp Infiltration Trench

Nearest Visible Landmark to SWM/BMP Facility: Existing One-Story Building

Nearest Vertical Ground Control (if known):
☐ JCC Geodetic Ground Control ☐ USGS ☐ Temporary ☐ Arbitrary ☑ Other
Station Number or Name: Building - 128 Tewning Rd
Datum or Reference Elevation: 106.00 Existing Bldg FF
Control Description: N/A
Control Location from Subject Facility: N/A

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: Pre-Existing
Facility Monitored by County Representative during Construction: ☐ Yes ☐ No ☑ Unknown
Name of Site Work Contractor Who Constructed Facility: Robert Ripley
Name of Professional Firm Who Routinely Monitored Construction: Simmons Engineering Inc
Date of Completion for SWM/BMP Facility: Dec 2007
Date of Record Drawing/Construction Certification Submittal: Originally Dec 18, 2007

(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: Robert F. Ripley
Mailing Address: 120 Tewning Rd
Williamsburg VA 23188
Business Phone: 253-0233 Fax: 253-8735
Contact Person: Robert Ripley Title: Owner

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: Simmons Engineering Inc
Mailing Address: PO Box 6512
Williamsburg VA 23188
Business Phone: (757) 258-5000
Fax: (757) 258-5950
Responsible Plan Preparer: Ralph C. Simmons PE
Title: President
Plan Name: Bob-Cat Condominium Bldg Add
Firm's Project No. 01-136
Plan Date: August 1, 2001
Sheet No.'s Applicable to SWM/BMP Facility: C1 / ~~~~

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

Name: Same as Owner/
Mailing Address: Developer
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: Simmons Eng, Inc
Mailing Address: Po Box 6512
Williamsburg VA 23188
Business Phone: 258-5000
Fax: 258 - 5950

Name: Ralph C. Simmons PE
Title: President
Signature: Ralph C. Simmons
Date: 5/27/09

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.

COMMONWEALTH OF VIRGINIA
RALPH C. SIMMONS
Lic. No.18289
PROFESSIONAL ENGINEER

Ralph C. Simmons (Seal)
Virginia Registered Professional Engineer or Certified Land Surveyor

Construction Certification

Firm Name: Simmons Engineering Inc
Mailing Address: Po Box 6512
Williamsburg VA 23188
Business Phone: 258-5000
Fax: 258 - 5950

Name: Ralph C. Simmons PE
Title: President
Signature: Ralph C. Simmons
Date: 5/27/09

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.

COMMONWEALTH OF VIRGINIA
RALPH C. SIMMONS
Lic. No.18289
PROFESSIONAL ENGINEER

Ralph C. Simmons (Seal)
Virginia Registered Professional Engineer

Section 5 - Record Drawing and Construction Certification Requirements and Instructions:

☐ PreConstruction Meeting - Provides an opportunity to review SWM / BMP facility construction, maintenance and operation plans and address any questions regarding construction and/or monitoring of the structure. The design engineer, certifying professionals (if different), Owner/Applicant, Contractor and County representative(s) are encouraged to attend the preconstruction meeting. Advanced notice to the Environmental Division is requested. Usually, this requirement can be met simultaneously with Erosion and Sediment Control preconstruction meetings held for the project.

Not Completed

☑ A fully completed ***STORMWATER MANAGEMENT / BMP FACILITIES, RECORD DRAWING and CONSTRUCTION CERTIFICATION FORM*** and ***RECORD DRAWING CHECKLIST***. All applicable sections shall be completed in their entirety and certification statements signed and sealed by the registered professional responsible for individual record drawing and/or construction certification.

☑ The Record Drawing shall be prepared by a Registered Professional Engineer or Certified Land Surveyor for the drainage system of the project including any Best Management Practices.

☑ Construction Certification. Construction of Stormwater Management / BMP facilities which contain impoundments, embankments and related engineered appurtenances including subgrade preparation, compacted soils, structural fills, liners, geosynthetics, filters, seepage controls, cutoffs, toe drains, hydraulic flow control structures, etc. shall be visually observed and monitored by a Registered Professional Engineer or his/her authorized representative. The Engineer must certify that the structure, embankment and associated appurtenances were built in accordance with the approved design plan, specifications and stormwater management plan and standard accepted construction practice and shall submit a written certification and/or drawings to the Environmental Division as required. Soil and compaction test reports, concrete test reports, inspection reports, logs and other required construction material or installation documentation may be required by the Environmental Division to substantiate the certification, if specifically requested. The Engineer shall have the authority and responsibility to make minor changes to the approved plan, in coordination with the assigned County inspector, in order to compensate for unsafe or unusual conditions encountered during construction such as those related to bedrock, soils, groundwater, topography, etc. as long as changes do not adversely affect the integrity of the structure(s). Major changes to the approved design plan or structure must be reviewed and approved by the original design professional and the James City County Environmental Division.

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

Dual Purpose Facilities - Completion of construction also includes an interim stage for Stormwater Management / BMP facilities which serve dual purpose as temporary sediment basins during construction and as permanent stormwater management / BMP facilities following construction, once development and stabilization are substantially complete. For these dual purpose facilities, construction certification is required once the temporary sediment basin phase of construction is complete. Final record drawing and construction certification of additional permanent components is required once permanent facility construction is complete.

Interim Construction Certification is required for those dual purpose embankment-type facilities that are generally ten (10) feet or greater in dam height (*) and may not be converted, modified or begin function as a permanent SWM / BMP structure for a period generally ranging from six (6) to eighteen (18) months or more from issuance of a Land Disturbance permit for construction.

Interim or final record drawing and construction certifications are not required for temporary sediment basins which are designed and constructed in accordance with current minimum standards and specifications for temporary sediment basins per the Virginia Erosion and Sediment Control Handbook (VESCH); have a temporary service life of less than eighteen (18) months; and will be removed completely once associated disturbed areas are stabilized, unless a distinct hazard to the public's health, safety and welfare is determined by the Environmental Division due to the size or presence of the structure or due to evidence of improper construction.

(*Note: Dam Height as referenced above is generally defined as the vertical distance from the natural bed of the stream or waterway at the downstream toe of the embankment to the top of the embankment structure in accordance with 4VAC50-20-30, Virginia Impoundment Structure Regulations and the Virginia Dam Safety Program.)

☑ Record Drawings shall provide, at a minimum, all information as shown within these requirements and the attached **RECORD DRAWING CHECKLIST** specific to the type of SWM/BMP facility being constructed. Other additional record data may be formally requested by the James City County Environmental Division. *(Note: Refer to the current edition of the James City County Guidelines for Design and Construction of Stormwater Management BMP's manual for a complete list of acceptable BMP's. Currently there are over 20 acceptable water quality type BMP's accepted by the County.)*

☑ Record Drawings shall consist of blue/black line prints and a reproducible (mylar, sepia, diazo, etc.) set of the approved stormwater management plan including applicable plan views, profiles, sections, details, maintenance plans, etc. as related to the subject SWM / BMP facility. The set shall indicate **"RECORD DRAWING "** in large text in the lower right hand corner of each sheet with record elevations, dimensions and data drawn in a clearly annotated format and/or boxed beside design values. Approved design plan values, dimensions and data shall not be removed or erased. Drawing sheet revision blocks shall be modified as required to indicate record drawing status. Elevations to the nearest 0.1' are sufficiently accurate except where higher accuracy is needed to show positive drainage. Certification statements as shown in Section 4 of the Record Drawing and Construction Certification Form, ***or similar forms thereof***, and professional signatures and seals, with dates matching that of the record drawing status in the revision or title block, are also required on all associated record drawing plans, prints or reproducibles.

☑ Submission Requirements. Initial and subsequent submissions for review shall consist of a minimum of one (1) blue/black line set for record drawings and one copy of the construction certification documents with appropriate transmittal. Under certain circumstances, it is understood that the record drawing and construction certification submissions may be performed by different professional firms. Therefore, record drawing submission may be in advance of construction certification or vice versa. Upon approval and prior to release of bond/surety, final submission shall include one (1) reproducible set of the record drawings, one (1) blue/black line set of the record drawings and one (1) copy of the construction certification. Also for current and/or future incorporation into the County BMP database and GIS system, it is requested that the record drawings also be submitted to the Environmental Division on a diskette or CD-ROM in an acceptable electronic file format such as *.dxf, *.dwg, etc. or in a standard scanned and readable format. The electronic file requirement can be discussed and coordinated with Environmental Division staff at the time of final submission.

STORMWATER MANAGEMENT / BMP FACILITIES
RECORD DRAWING CHECKLIST

(Key for Checklist is as follows: XX Acceptable N/A Not Applicable Inc Incomplete)

I. Methods and Presentation: *(Required for all Stormwater Management / BMP facilities.)*

XX 1. All constructed facilities meet approved design plans, unless otherwise shown. Record information or deviations from approved design plan shown in clearly annotated format and/or boxed beside design values.

XX ~~N/A~~ 2. Elevations to the nearest 0.1' unless higher accuracy is needed to show positive drainage.

XX 3. All plan sheets labeled with "RECORD DRAWING" in large text in lower right hand corner (Approved County Plan Number and BMP ID Code can be included if known).

XX 4. All plan sheet revision blocks modified to indicate date and record drawing status.

XX 5. All plan sheets have certification statements and certifying professional's signature and seal.

II. Minimum Standards: *(Required for all Stormwater Management / BMP facilities, as applicable.)*

XX 1. All requirements of Section I (Methods and Presentation) apply to this section.

XX 2. Plan Views: Show general location, arrangement and dimensions. Location and alignment shall generally match approved design plans.

N/A 3. Profile or elevations along top or berm of the facility. At a minimum, elevations are required at each end, at intervals not to exceed 50 feet and where low spots may be present. Top of embankment or berm elevations must be no less than design elevation plus any settlement allowances.

N/A 4. Top widths, berm widths and embankment side slopes.

XX 5. Show length, width and depth of facility or grading, contours or spot elevations as required to verify permanent pool and design storage volumes were met or were reasonably close to the approved design. Evaluation of as-built grading, contours, spot elevations, or cross-sections, may be necessary by the professional to ensure approved design configurations, depths and volumes were closely maintained. If grading or elevations are significantly different from the approved plan, the Environmental Division shall be contacted immediately to determine whether the variation is acceptable or whether further evidence will be required. Facilities which do not closely resemble approved plan grades, elevations or configurations may require regrading by the Contractor; check volumetric computations; and/or a check hydraulic routing to ensure approved design water surface elevations, discharges or freeboard were closely maintained.

N/A 6. Cross-section of the embankment through the principal spillway or outlet barrel. Must extend at least 100 ft. downstream of the pipe outlet or to recorded site property line, whichever is closer. Proper correlation is required between principal spillway (control structure) crest, emergency spillway crest, orifice and weirs and the top of the dam or facility. All elevations and dimensions must reasonably match the design plan or be sequentially relative to each other and the facility must reflect the required design storage volume(s) and/or design depth.

N/A 7. Profile or elevations along the entire centerline of the emergency spillway. Emergency spillway may be steeper, but no flatter or narrower than design.

N/A 8. Elevation of the principal spillway crest or outlet crest of the structure.

N/A 9. Primary control structure (riser) diameter or dimensions, height, type of material and base size. Indicate provisions for access that are present such as steps, ladders, etc.

N/A 10. Dimensions, locations and elevations of outlet orifices, weirs, slots and drains.

N/A 11. Type and size of anti-vortex and trash rack device. Height, diameter, dimensions, bar spacings (if applicable) and elevations relative to the principal spillway crest. Indicate if lockable hatch is present or not.

N/A 12. Type, location, size and number of anti-seep collars or documentation of other methods utilized for seepage control. **May need to obtain this information during construction.**

N/A 13. Top of impervious core embankment, core trench limits and elevation of cut-off trench bottom. **May need to obtain this information during construction.**

N/A 14. Elevation of the principal spillway barrel (outlet pipe) inlet and outlet invert.

N/A 15. Outlet barrel diameter, length, slope, type and thickness class of material and type of flared end sections, headwall or endwall.

N/A 16. Outfall protection dimension, type and depth of rock and if underlain filter fabric is present.

N/A 17. BMP interior and periphery landscaping zones conform with arrangements and requirements of the approved design plan.

XX 18. Maintenance plan taken from approved design plan transposed onto record drawing set.

N/A 19. Fencing location and type, if applicable to facility.

XX 20. BMP vicinity properly cleaned of stockpiles and construction debris.

XX 21. No visual signs of erosion or channel degradation immediately downstream of facility.

XX 22. Any other information formally requested by the Environmental Division specific to the constructed SWM/BMP facility.

(Key for Checklist is as follows: XX Acceptable N/A Not Applicable Inc Incomplete)

III. Group A - Wet Ponds *(Includes A-1 Small Wet Ponds; A-2 Wet Ponds; A-3 Wet Ext Det Ponds.)*

_____ A1. All requirements of Section II, Minimum Standards, apply to Group A facilities.

_____ A2. Principal spillway consists of reinforced concrete pipe with O-Ring gaskets for watertight joint construction.

_____ A3. Sediment forebays or pretreatment devices provided at inlets to pond. Generally 4 to 6 ft. deep.

_____ A4. Access for maintenance and equipment is provided to the forebay(s). Access corridors are at least 12 ft. wide, have a maximum slope of 15 percent and are adequately stabilized to withstand heavy equipment or vehicle use.

_____ A5. Adequate fixed vertical sediment depth markers installed in the forebay(s) for future sediment monitoring purposes.

_____ A6. Pond liner (if required) provided. Either clay liners, polyliners, bentonite liners or use of chemical soil additives based on requirements of the approved plan.

_____ A7. Minimum 6 percent slope safety bench extending a minimum of 15 feet outward from normal pool edge and/or an aquatic bench extending a minimum of 10 feet inward from the normal shoreline with a maximum depth of 12 inches below the normal pool elevation, if applicable, per the approved design plans. (Note: Safety benches may be waived if pond side slopes are no steeper than 4H:1V).

_____ A8. No trees are present within a zone 15 feet around the embankment toe and 25 feet from the principal spillway structure.

_____ A9. Wet permanent pool, typically 3 to 6 feet deep, is provided and maintains level within facility.

_____ A10. Low flow orifice has a non-clogging mechanism.

_____ A11. A pond drain pipe with valve was provided.

_____ A12. Pond side slopes are not steeper than 3H:1V, unless approved plan allowed for steeper slope.

_____ A13. End walls above barrels (outlet pipe) greater than 48 inch in diameter are fenced to prevent a fall hazard.

STORMWATER MANAGEMENT / BMP FACILITIES
RECORD DRAWING CHECKLIST

(Key for Checklist is as follows: XX Acceptable N/A Not Applicable Inc Incomplete)

IV. Group B - Wetlands *(Includes B-1 Shallow Marsh; B-2 Ext Det Shallow Wetlands; B-3 Pond Wetland System and B-4 Pocket Wetland)*

_____ B1. Same requirements as Group A Wet Ponds.

_____ B2. Minimum 2:1 length to width flow path provided across the facility.

_____ B3. Micropool provided at or around outlet from BMP (generally 3 to 6 ft. deep).

_____ B4. Wetland type landscaping provided in accordance with approved plan. Includes correct pondscaping zones, plant species, planting arrangements, wetland beds, etc. Wetland plants include 5 to 7 emergent wetland species. Individual plants at 18 inches on center in clumps.

_____ B5. Adequate wetland buffer provided (Typically 25 ft. outward from maximum design water surface elevation and 15 ft. setback to structures).

_____ B6. No more than one-half (½) of the wetland surface area is planted.

_____ B7. Topsoil or wetland mulch provided to support vigorous growth of wetland plants.

_____ B8. Planting zones staked or flagged in field and locations subsequently established by appropriate field surveying methods for record drawing presentation.

STORMWATER MANAGEMENT / BMP FACILITIES
RECORD DRAWING CHECKLIST

(Key for Checklist is as follows: XX Acceptable N/A Not Applicable Inc Incomplete)

V. Group C - Infiltration Practices *(Includes C-1 Infiltration Trench; C-2 Infiltration Trench; C-3 Infiltration Basin; and C-4 Infiltration Basin)*

XX C1. All requirements of Section II, Minimum Standards, apply to Group C facilities as applicable.

XX C2. Facility is not located on fill slopes or on natural ground in excess of six (6) percent.

XX C3. Pretreatment devices provided prior to entry into the infiltration facility. Acceptable pretreatment devices include sediment forebays, sediment basins, sediment traps, sump pits or inlets, grass channels, plunge pools or other acceptable measures.

N/A C4. Three (3) or more of the following pretreatment devices provided to protect long term integrity of structure: grass channel; grass filter strip; bottom sand layer; upper filter fabric layer; use of washed bank run gravel aggregate.

XX C5. Sides of infiltration practice lined with filter fabric.

XX C6. Facility was not used for erosion and sediment control purposes and sediment was prevented from entering the facility to the greatest extent possible during construction.

XX C7. Stabilization and acceptable vegetative cover established over contributing drainage area prior to conveyance of stormwater to the facility.

XX C8. Minimum one hundred (100) foot separation horizontally from any known water supply well and minimum one hundred (100) foot separation upslope from any building.

XX C9. Minimum twenty-five (25) foot separation down gradient from any structure.

XX C10. Stormwater outfalls provided for overflow associated with larger design storms.

XX C11. No visual signs of erosion or channel degradation immediately downstream of facility.

XX C12. Facility does not currently cause any apparent surface or subsurface water problems to downgrade properties.

XX C13. Observation well provided.

XX C14. Adequate, direct access provided to the facility for future maintenance, operation and inspection.

STORMWATER MANAGEMENT / BMP FACILITIES
RECORD DRAWING CHECKLIST

(Key for Checklist is as follows: XX Acceptable N/A Not Applicable Inc Incomplete)

VI. Group D - Filtering Systems *(Includes D-1 Bioretention Cells; D-2 Surface Sand Filters; D-3 Underground Sand Filters; D-4 Perimeter Sand Filters; D-5 Organic Filters; and D-6 Pocket Sand Filters)*

_____ D1. All requirements of Section II, Minimum Standards, apply to Group D facilities.

_____ D2. Sediment pretreatment devices provided.

_____ D3. For D-1 BMPs (Bioretention Cells), pretreatment consisting of a grass filter strip below level spreader (deflector); a gravel diaphragm; and mulch and planting soil layers were provided.

_____ D4. For D-1 BMPs (Bioretention Cells), plantings consist of native plant species; vegetation provided was based on zones of hydric tolerances; trees and understory of shrubs and herbaceous materials were provided; woody vegetation is absent from inflow locations; and trees are located around facility perimeter.

_____ D5. Facility was not used for erosion and sediment control purposes and sediment was prevented from entering the facility to the greatest extent possible during construction.

_____ D6. No visible signs of accumulated silt/sediment were present in the facility following construction or alternately, accumulated silt/sediment was properly removed .

_____ D7. Filtering system is off-line from storm drainage conveyance system.

_____ D8. Overflow outlet has adequate erosion protection.

_____ D9. Deflector, diversion, flow splitter or regulator structure provided to divert the water quality volume to the filtering structure.

_____ D10. Minimum four (4) inch perforated underdrain provided in a clean aggregate envelope layer beneath the facility.

_____ D11. Minimum fifty (50) foot separation from any slope fifteen (15) percent or greater. Minimum one hundred (100) foot separation horizontally from any known water supply well. Minimum one hundred (100) foot separation upslope and twenty-five (25) foot separation downslope from any building.

_____ D12. Stabilization and acceptable vegetative cover established over contributing drainage area prior to conveyance of stormwater to the facility.

_____ D13. No visual signs of erosion or channel degradation immediately downstream of facility.

_____ D14. Adequate, direct access provided to the pretreatment area and/or filter bed for future maintenance.

STORMWATER MANAGEMENT / BMP FACILITIES
AS-BUILT PLAN CHECKLIST

(Key for Checklist is as follows: XX Acceptable N/A Not Applicable Inc Incomplete)

VII. Group E - Open Channel Systems *(Includes E-1 Wet Swales (Check Dams); E-2 Dry Swales;and E-3 Biofilters)*

_____ E1. All requirements of Section II, Minimum Standards, apply to Group E facilities as applicable.

_____ E2. Open channel system has constructed longitudinal slope of less than four (4) percent.

_____ E3. No visual signs of erosion in the open channel system's soil and/or vegetative cover.

_____ E4. Open channel side slopes are no steeper than 2H:1V at any location. Preferred channel sideslope is 3H:1V or flatter.

_____ E5. No visual signs of ponding are present at any location in the open channel system, except at rock check dam locations for E-1 systems (Wet Swales).

_____ E6. For E-2 BMPs (Dry Swales), an underdrain system was provided.

_____ E7. Treated timber or rock check dams provided as pretreatment devices for the open channel system.

_____ E8. Gravel diaphragm provided in areas where lateral sheet flow from impervious surfaces are directly connected to the open channel system.

_____ E9. Grass cover/stabilization in the open channel system appears adaptable to the specific soils and hydric conditions for the site and along the channel system.

_____ E10. Open channel system areas with grass covers higher than four (4) to six (6) inches were properly mowed.

_____ E11. Facility was not used for erosion and sediment control purposes and sediment was prevented from entering the facility to the greatest extent possible during construction.

_____ E12. No visible signs of accumulated silt/sediment were present in the facility following construction or alternately, accumulated silt/sediment was properly removed and no adverse affects to the function of the facility are anticipated.

_____ E13. For E-3 BMPs (Biofilters), the bottom width is six (6) feet maximum at any location.

_____ E14. For E-3 BMPs (Biofilters), sideslopes are 3H:1V maximum at any location.

_____ E15. For E-3 BMPs (Biofilters), the constructed channel slope is less than or equal to three (3) percent at any location.

_____ E16. For E-3 BMPs (Biofilters), the constructed grass channel is approximately equivalent to the constructed roadway length.

STORMWATER MANAGEMENT / BMP FACILITIES
RECORD DRAWING CHECKLIST

(Key for Checklist is as follows: XX Acceptable N/A Not Applicable Inc Incomplete)

VIII. Group F - Extended Dry Detention *(Includes F-1 Timber Walls; and F-2 Dry Extended Detention with Forebay)*

_____ F1. All requirements of Section II, Minimum Standards, apply to Group F facilities.

_____ F2. Basin bottom has positive slope and drainage from all basin inflow points to the riser (or outflow) location.

_____ F3. Timber wall BMP used in intermittent stream only. (ie. Prohibited in perennial streams.)

_____ F4. Forebay provided approximately 20 ft. upstream of the facility. Forebays generally 4 to 6 feet in depth.

_____ F5. A reverse slope pipe, vertical stand pipe or mini-barrel and riser was provided to prevent clogging.

_____ F6. Principal spillway and outlet barrel provided consisting of reinforced concrete pipe with O-Ring gaskets for watertight joint construction.

_____ F7. Mini-barrel and riser, if used, contains a removable trash rack to reduce clogging.

_____ F8. Low flow orifice, if used, has a minimum diameter of three (3) inches or two (2) inches if internal orifice control was utilized and a small, cage type external trash rack.

_____ F9. Timbers properly reinforced or concrete footing provided if soil conditions were prohibitive.

_____ F10. Timber wall cross members extended to a minimum depth of two (2) feet below ground elevation.

_____ F11. Protection against erosion and scour from the low flow orifice and weir-flow trajectory provided.

_____ F12. Stilling basin or standard outlet protection provided at principal spillway outlet.

_____ F13. Adequate, direct access provided to the facility. Access corridor to facility is at least ten (10) feet wide, slope is less than twenty (20) percent and appropriate stabilization provided for equipment and vehicle use. Access extends to forebay, standpipe and timber wall, as applicable.

_____ F14. No visual signs of undercutting of timber walls or clogging of the low orifice were present.

_____ F15. No visual signs of erosion or channel degradation immediately downstream of facility.

_____ F16. No visible signs of accumulated silt/sediment were present in the facility following construction or alternately, accumulated silt/sediment was properly removed and no adverse affects to the function of the facility are anticipated.

STORMWATER MANAGEMENT / BMP FACILITIES
RECORD DRAWING CHECKLIST

(Key for Checklist is as follows: XX Acceptable N/A Not Applicable Inc Incomplete)

IX. Group G - Open Spaces *(Includes All Open Space Types G-1; G-2; and G-3)*

_____ G1. All requirements of Section II, Minimum Standards, apply to Group G facilities as applicable.

_____ G2. Constructed impervious areas appear to conform with locations indicated on the approved plan and appear less than sixty (60) percent impervious in accordance with the requirements of the James City County Chesapeake Bay Preservation Ordinance.

_____ G3. Dedicated open space areas are in undisturbed common areas, conservation easements or are protected by other enforceable instruments that ensures perpetual protection.

_____ G4. Provisions included to clearly specify how the natural vegetated areas utilized as dedicated open space will be managed and field identified (marked).

_____ G5. Adequate protection measures were implemented during construction to protect the defined dedicated open space areas.

_____ G6. Dedicated open space areas were not disturbed during construction (ie. cleared, grubbed or graded).

STORMWATER MANAGEMENT / BMP FACILITIES
RECORD DRAWING CHECKLIST

(Key for Checklist is as follows: XX Acceptable N/A Not Applicable Inc Incomplete)

X. Storm Drainage Systems (Associated with BMP's Only)

(Includes all incidental stormwater drainage conveyance systems associated with SWM/BMP facilities such as onsite or offsite storm drains, open channels, inlets, manholes, junctions, outlet protections, deflectors, etc. These facilities are external to the treatment function of, but are directly associated with drainage to and/or from a constructed SWM/BMP facility. The intent of this portion of the certification is to accurately identify the type and quantity of inflow or outflow points associated with the facility for future reference. The Professional may use his/her own discretion to determine inclusive facilities to meet the intent of this section. As a general rule, storm drainage systems would include incidental facilities to the nearest access structure upslope or downslope from the normal physical limits of the facility or 800 feet of storm drainage conveyance system length, whichever is less.)

XX SD1. All requirements of Section II, Minimum Standards, apply to Storm Drainage Systems.

N/A SD2. Horizontal location of all pipe and structures relative to the SWM/BMP facility.

N/A SD3. Type, top elevation and invert elevation of all access type structures (inlets, manholes, etc.).

N/A SD4. Material type, size or diameter, class, invert elevations, lengths and slopes for all pipe segments.

N/A SD5. Class, length, width and depth of riprap and outlet protections or dimensions of special energy dissipation structures.

XII. Other Systems

(Includes any non-typical, specialty, manufactured or innovative stormwater management/BMP practices or systems generally accepted for use as or in conjunction with other acceptable stormwater management / BMP practices. Requires evidence of prior satisfactory industry use and prior Environmental Division approval, waiver or exception .)

N/A O1. All requirements of Section II, Minimum Standards, apply to this section.

N/A O2. Certification criteria to be determined on a case-by-case basis by the Environmental Division specific to the proposed SWM/BMP facility.

STORMWATER MANAGEMENT / BMP FACILITIES
RECORD DRAWING CHECKLIST

XIII. References *(The James City County Record Drawing and Construction Certification Forms and Checklists for Stormwater Management / BMP facilities were developed using the following sources and references.)*

- ❒ Baltimore County, Maryland Soil Conservation District, As-Built Stormwater Management Pond Checklist.
- ❒ James City County, Virginia, Guidelines for Design and Construction of Stormwater Management BMP's (October 1999).
- ❒ James City County, Virginia, Stormwater Detention/Retention Basin Design Checklist and Erosion and Sediment Control and Stormwater Management Design Plan Checklists.
- ❒ James City County Stormwater Policy Framework, Final Report of the James City County BMP Policy Project, October 1998, The Center for Watershed Protection.
- ❒ Prince Georges County, Maryland, As-Built Requirements Retention or Detention Pond/Basin.
- ❒ Prince William County, Virginia, Stormwater Management Fact Sheet.
- ❒ Stafford County, Virginia, As-Built Plan Checklist.
- ❒ Stormwater Management Design Manual, NRCS Maryland Code No. 378, Pond Standards and Specifications.
- ❒ USEPA/Watershed Management Institute, Stormwater Management Inspection Forms.
- ❒ Virginia Impounding Structure Regulations (Dam Safety), Department of Conservation & Recreation, 1997.
- ❒ Virginia Erosion and Sediment Control Handbook, Third Edition 1992, Virginia Department of Conservation and Recreation, Division of Soil and Water Conservation.
- ❒ Virginia Stormwater Management Handbook, 1999 edition, Virginia Department of Conservation and Recreation, Division of Soil and Water Conservation.

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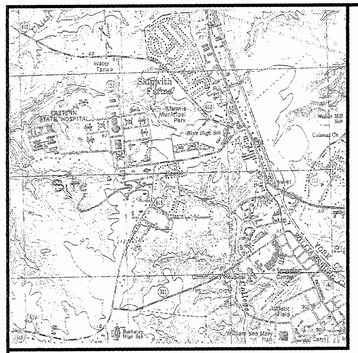


Vicinity Map

Scale: 1" = 2,000'

Statistics

Address	128 Tewning Road
Magistrial District	Berkeley District
Zoning	Limited Business/Industrial District, M-1
Tax Map	(39-1)(1-11)
	Parcel ID #3910100011
Site Area	1.30 Acres (56,625 SF)
Utilities:	
Water	Public
Sewer	Public
Building Statistics:	
Stories	One Stories
Square Footage	2,000 SF
Height	18'
VDOT:	
ITE Code	710, General Office Building
Peak Hour Trip Generation	16 Vehicle Trips
Site Statistics:	
Setbacks:	
Front Yard (ROW)	50'
Side Yard	20'
Rear Yard	20'
Parking:	
Required Parking	29 Spaces
Handicap Spaces	2 Spaces
Van Accessible Handicap Spaces	1 Space
Parking Provided	32 Spaces
Van Accessible Hanicap Spaces	2 spaces
Impervious Area:	
Building Footprint:	
Existing	0.20 Acres (8,569 SF)
New	+ 0.05 Acres (2,000 SF)
Total Building Footprint	= 0.24 Acres (10,569 SF) - 18.66%
Pavement Areas	
Existing (Includes Gravel)	0.74 Acres (32,070 SF)
Removed	- 0.07 Acres (3,002 SF Gravel Storage Yard Removed)
Total Pavement	= 0.67 Acres (29,068 SF) - 51.33%
Total Impervious Area	0.91 Acres (39,637 SF) - 70.00%
Open Space:	
Required	0.39 Acres (16,988 SF) - 30%
Provided	0.39 Acres (16,988 SF) - 30%
Total Disturbed Area	0.07 Acres (3,242 SF)

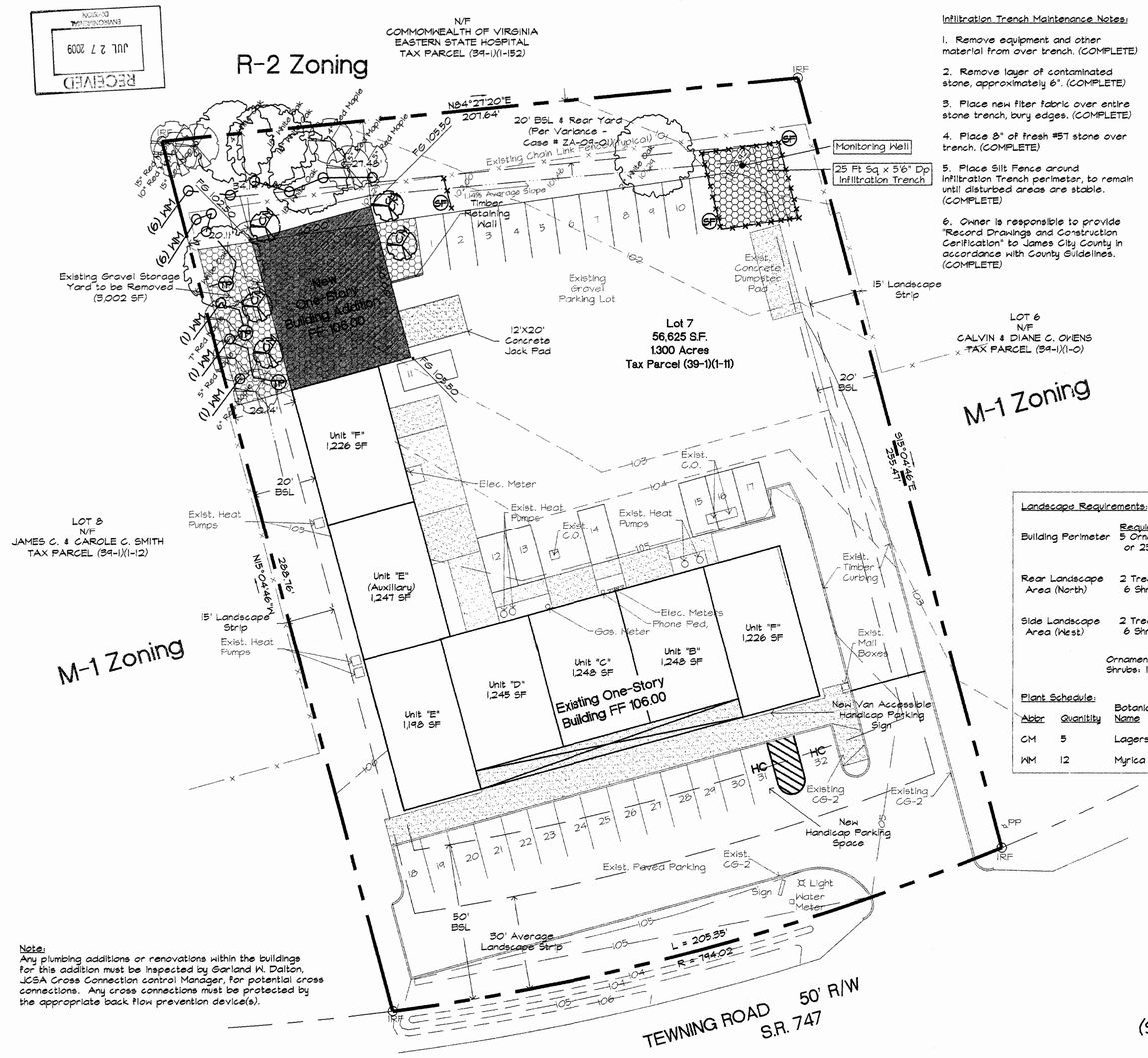
Simmons Engineering, Inc.

Civil & Structural Engineering Design and Consulting

PO Box 6512
Williamsburg, VA 23188

Voice: (757) 258-5000
Fax: (757) 258-5950
E-mail: simmonseng@cox.net

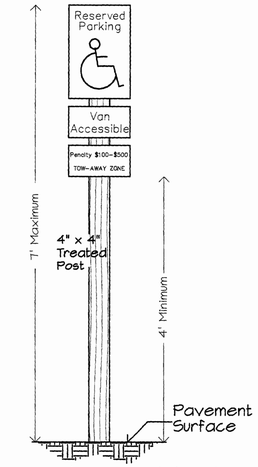
RECEIVED
JUL 27 2009
ENVIRONMENTAL DIVISION



Note:
Any plumbing additions or renovations within the buildings for this addition must be inspected by Garland N. Dalton, JCSA Cross Connection control Manager, for potential cross connections. Any cross connections must be protected by the appropriate back flow prevention device(s).

Infiltration Trench Maintenance Notes:

1. Remove equipment and other material from over trench. (COMPLETE)
2. Remove layer of contaminated stone, approximately 6". (COMPLETE)
3. Place new filter fabric over entire stone trench, bury edges. (COMPLETE)
4. Place 8" of fresh #57 stone over trench. (COMPLETE)
5. Place Silt Fence around infiltration Trench perimeter, to remain until disturbed areas are stable. (COMPLETE)
6. Owner is responsible to provide "Record Drawings and Construction Certification" to James City County in accordance with County Guidelines. (COMPLETE)



Handicap Accessible Sign

NTS

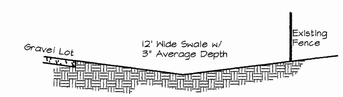
Landscape Requirements:

	Required:	Existing (Credits):	Provided:
Building Perimeter	5 Ornamental Trees or 23 Shrubs	None	5 Trees/ 0 Shrubs
Rear Landscape Area (North)	2 Trees and 6 Shrubs	4 Viable Trees x 0.33 Credits = 1.33 Trees 6 Mature Trees x 2 Credits = 12 Trees 13.33 Trees	0 Trees/ 6 Shrubs
Side Landscape Area (West)	2 Trees and 6 Shrubs	3 Viable Tree x 0.33 Credits = 1 Tree 1 Mature Tree x 2 Credits = 2 Trees 3 Trees	0 Trees/ 6 Shrubs

Ornamental Trees: 1.25" @ Caliper & 8' High
Shrubs: 18" Evergreen / 22" Deciduous

Plant Schedule:

Abbr	Quanitity	Botanical Name	Common Name	Size	Remarks
CM	5	Lagerstroemia Indica	Crape Myrtle	8' Ht. B&B	Multi-Stem
WM	12	Myrica cerifera	Wax Myrtle	18" Ht	



Cross-Section of Existing Swale

NTS

Table of Contents

C1 Site Plan
C2 Notes & Details
(Sheet C2 Not Included in Record Drawing)

Owner/Developer

Robert F. Ripley &
Catherine J. Ripley
120 Tewning Road
Williamsburg, VA 23188

Site Plan

Scale: 1" = 20'

PB 32, PG 8

Boundary and physical survey information based on "Exhibit "B" Plat of Bob-Cat Condominium Management Center Units A, B, C, D, E, E(Auxiliary) & F" by AES , a professional corporation, dated 4/26/90.

Record Drawing Certification

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.

COMMONWEALTH OF VIRGINIA
RALPH C. SIMMONS
Lic. No.18289
5/27/09
PROFESSIONAL ENGINEER

Construction Certification

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.

COMMONWEALTH OF VIRGINIA
RALPH C. SIMMONS
Lic. No.18289
5/27/09
PROFESSIONAL ENGINEER

BEFORE DIGGING CALL "MISS UTILITY" OF VIRGINIA AT 1-800-552-7001

Responsible Land - Disturber: Ralph C. Simmons PE #18289

Bob-Cat Condominium Building Addition SP-93-2001 RECORD DRAWING

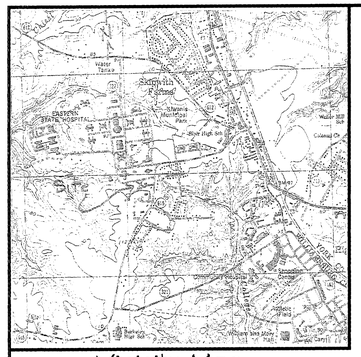
James City County, Virginia

No.	By	Revision	App.	Date
2	rcs	BMP Record Drawings	rcs	5.27.09
1	CAN	Per Staff Comment Ltr Dtd 10/3/01	rcs	10.31.01

Date: August 1, 2001

Project # 01-136

Sheet No. C1



Vicinity Map

Scale: 1" = 2,000'

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Total Building Footprint	= 0.24 Acres (10,569 SF) - 18.66%
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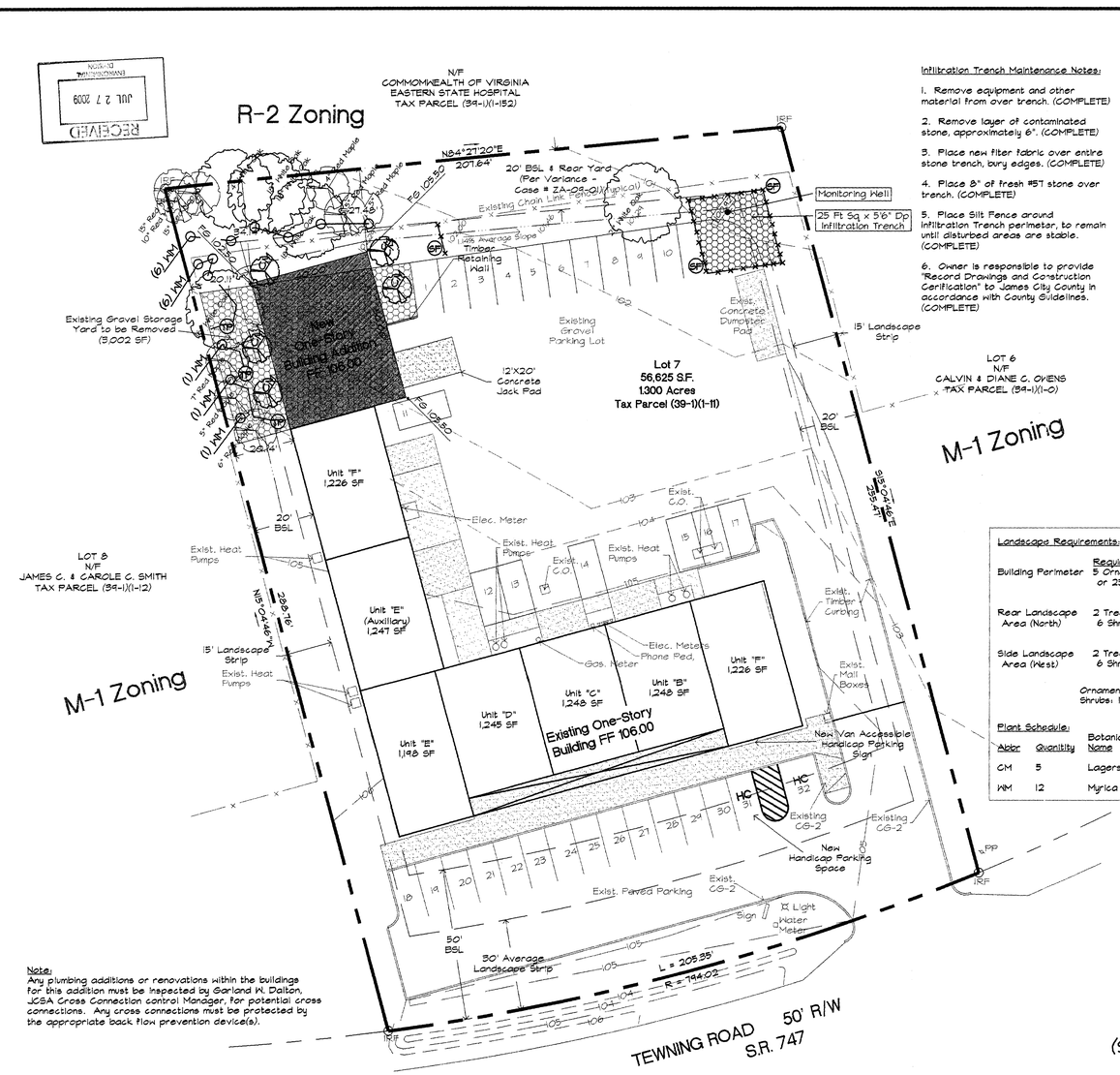

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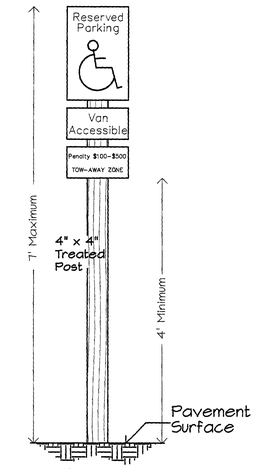

Handicap Accessible Sign

NTS

Landscape Requirements:

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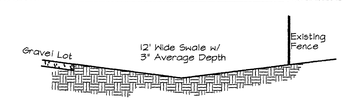

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(Sheet C2 Not Included in Record Drawing)

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Catherine J. Ripley
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Scale: 1" = 20'

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COMMONWEALTH OF VIRGINIA
RALPH C. SIMMONS
Lic. No.18289
5/27/09
PROFESSIONAL ENGINEER

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RALPH C. SIMMONS
Lic. No.18289
5/27/09
PROFESSIONAL ENGINEER

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Responsible Land - Disturber: Ralph C. Simmons PE #18289

Bob-Cat Condominium Building Addition SP-93-2001 RECORD DRAWING

James City County, Virginia

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1	CAN	Per Staff Comment Ltr Dtd 10/3/01	rcs	10.31.01

Date: August 1, 2001

Project # 01-136

Sheet No. C1

Date: 3/17/10

Subject: Record Drawing/Mylar

Bob – Cat Condominium PC212 Infiltration Trench

TO: James City County Stormwater Division

From: Environmental Division

ATTN: Amy Parker

Comments:

Mylar will be forwarded once received.

Transmittal

Simmons Engineering, Inc.
Civil & Structural Engineering Design and Consulting

PO Box 6512
Williamsburg, VA 23188
(757) 258-5000
fax: (757) 258-5950
e-mail: simmonseng@cox.net

To: Mr. Patrick T. Menichino **Date:** 7-27-09

JCC Environmental Division

101 - E Mounts Bay Road

Williamsburg, VA 23185

RECEIVED
JUL 27 2009
ENVIRONMENTAL DIVISION

Re: Bob-Cat Condominium Building Addition Site Plan

Record Drawings

JCC Case No. SP-93-2001

Project #01-136

Number of Copies	Date	Number of Pages	Description
1	5/27/09	16	SWM / BMP Facilities Record Drawing and Construction Certification Forms
1	Rv 2 - 5/27/09	1	Site Plan Record Drawings (Black Line)

X **For Approval** ☐ **For Your Action** ☐ **For Information** ☐ **As Requested** ☐ **For Your Use**

- **Comments:** Please call with questions.

Ralph C. Simmons, PE
President

cc: Mr. Bob Ripley

\\Jonathan\c on jonathan\SEI Documents\project documents 2000-01\01-136 bob-cat\trns to jcc env record drawings 7-27-09.doc

SP.093.01

RECEIVED NOV 2001 PLANNING DIVISION

COUNTY OF JAMES CITY FINAL SITE PLAN

APPROVALS	DATE
Fire Dept.	9/17/01
Health Dept.	
VDOT	
Planning	11/26/01
Environ.	11/26/01
Zoning Adm.	11/21/01
JCSA	11/15/01
County Eng.	9/12/01
RSA	
Other	

Vicinity Map

Scale: 1" = 2,000'

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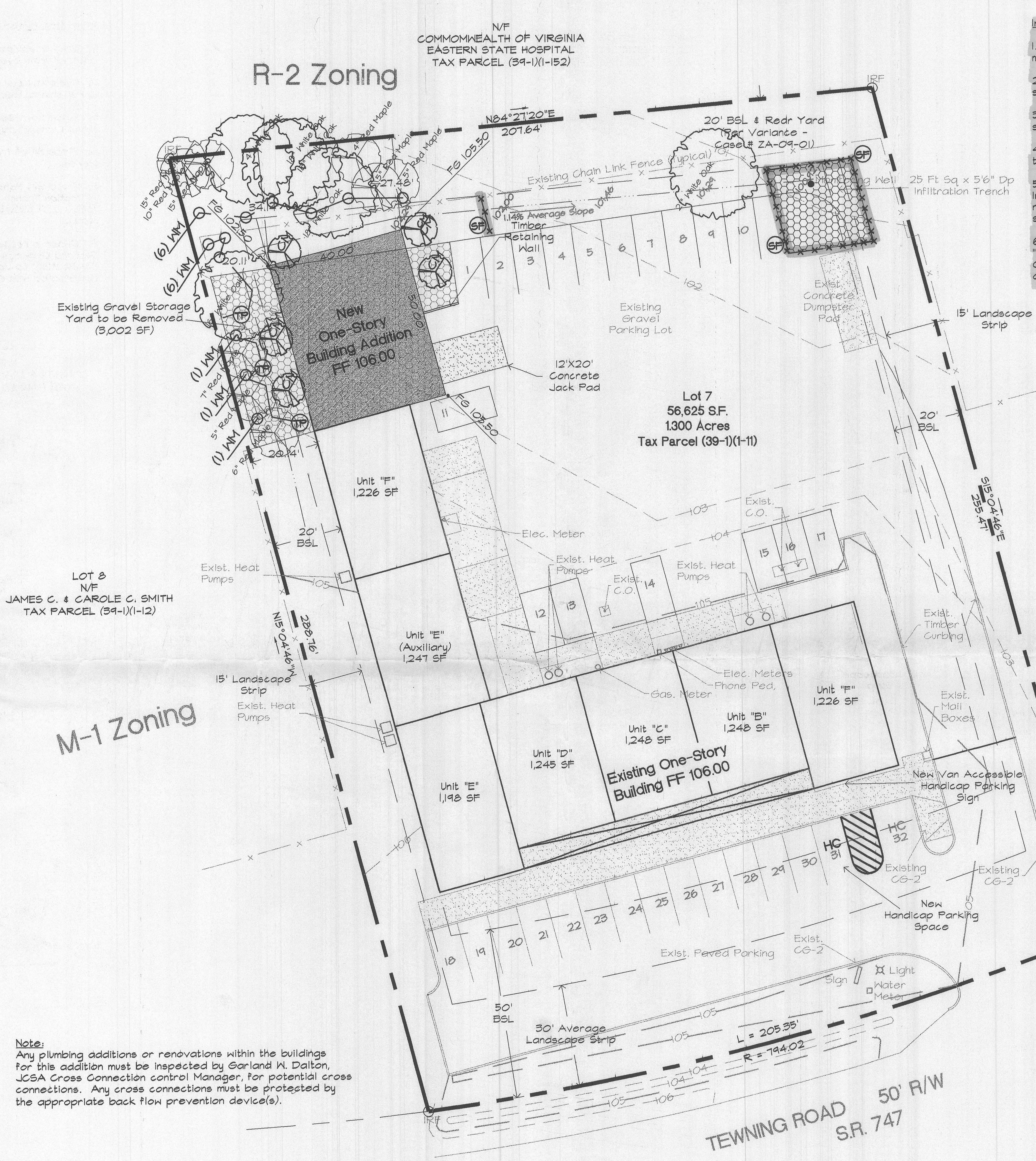
Existing	0.20 Acres (8,569 SF)
New	+ 0.05 Acres (2,000 SF)
Total Building Footprint	= 0.24 Acres (10,569 SF) - 18.66%
Pavement Areas	
Existing (includes Gravel)	0.74 Acres (32,070 SF)
Removed	- 0.07 Acres (3,002 SF Gravel Storage Yard Removed)
Total Pavement	= 0.67 Acres (29,068 SF) - 51.33%
Total Impervious Area	0.91 Acres (39,637 SF) - 70.00%
Open Space:	
Required	0.39 Acres (16,988 SF) - 30%
Provided	0.39 Acres (16,988 SF) - 30%
Total Disturbed Area	0.07 Acres (3,242 SF)



Note:
Any plumbing additions or renovations within the buildings for this addition must be inspected by Garland W. Dalton, JCSA Cross Connection control Manager, for potential cross connections. Any cross connections must be protected by the appropriate back flow prevention device(s).

Infiltration Trench Maintenance Notes:

1. Remove equipment and other material from over trench.

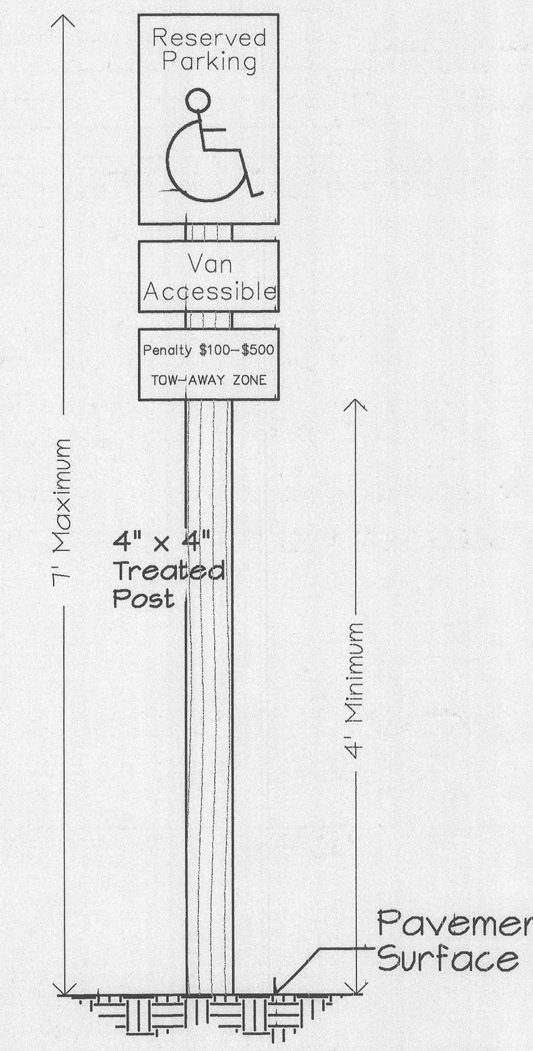
2. Remove layer of contaminated stone, approximately 6".

3. Place new fiter fabric over entire stone trench, bury edges.

4. Place 8" of fresh #57 stone over trench.

5. Place Silt Fence around Infiltration Trench perimeter, to remain until disturbed areas are stable.

6. Owner is responsible to provide "Record Drawings and Construction Cerification" to James City County in accordance with County Guidelines.



Handicap Accessible Sign

NTS

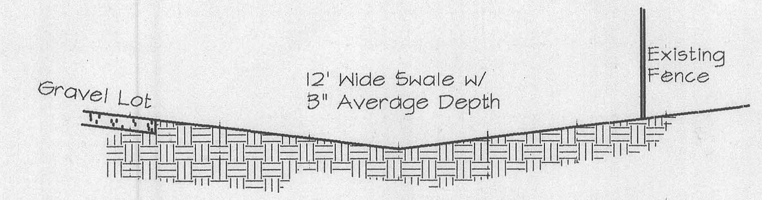
Landscape Requirements:

	Required:	Existing (Credits):	Provided:
Building Perimeter	5 Orndmental Trees or 23 Shrubs	None	5 Trees/ 0 Shrubs
Rear Landscape Area (North)	2 Trees and 6 Shrubs	4 Viable Trees x 0.33 Credits = 1.33 Trees 6 Mature Trees x 2 Credits = 12 Trees 13.33 Trees	0 Trees/ 6 Shrubs
Side Landscape Area (West)	2 Trees and 6 Shrubs	3 Viable Tree x 0.33 Credits = 1 Tree 1 Mature Tree x 2 Credits = 2 Trees 3 Trees	0 Trees/ 6 Shrubs

Ornamental Trees: 1.25" Φ Caliper & 8' High
Shrubs: 18" Evergreen / 22" Deciduous

Plant Schedule:

Abbr	Quanitity	Botanical Name	Commoh Name	Size	Remarks
CM	5	Lagerstroemia indica	Crape Myrtle	8' Ht, B&B	Multi-Stem
WM	12	Myrica cerifera	Wax Myrtle	18" Ht	



Cross-Section of Existing Swale

NTS

Table of Contents

C1 Site Plan
C2 Notes & Details

Site Plan

Scale: 1" = 20'

Boundary and physical survey information based on "Exhibit "B" Plat of Bob-Cat Condominium Management Center Units A, B, C, D, E, E(Auxiliary) & F" by AES, a professional corporation, dated 4/26/90.

BEFORE DIGGING CALL "MISS UTILITY" OF VIRGINIA AT 1-800-552-7001

Responsible Land - Disturber: Ralph C. Simmons PE #18289

Simmons Engineering, Inc.
Civil Engineering Design And Consulting

Williamsburg Business Center
4732 Longhill Road, Suite 3103
Williamsburg, VA 23188

Voice: (757) 258-5000
Fax: (757) 258-3758
E-mail: rcsPE@QuixNet.net

COMMONWEALTH OF VIRGINIA
RALPH C. SIMMONS
No. 018289
11/6/01
PROFESSIONAL ENGINEER

Owner/Developer

Robert F. Ripley &
Catherine J. Ripley
120 Tewning Road
Williamsburg, VA 23188

Bob-Cat Condominium Building Addition

James City County, Virginia

No.	By	Revision	App.	Date
1	CAN	Per Staff Comment Ltr Dtd 10/5/01	rcs	10.31.01

Date: August 1, 2001
Project #: 01-136
Sheet No.: C1

James City County Environmental Division
Erosion and Sediment Control Notes
Revised 7/6/01

The purpose of the erosion control measures shown on these plans shall be to preclude the transport of all waterborne sediments resulting from construction activities from entering onto adjacent properties or State waters. If field inspection reveals the inadequacy of the plan to confine sediment to the project site, all appropriate modifications will be made to correct any plan deficiencies. In addition to these notes, all provisions of the Virginia Erosion and Sediment Control Regulations shall apply to this project.

1. All erosion and sediment control measures shall be installed and maintained in accordance with the Virginia Erosion and Sediment Control Handbook, 3rd Edition, 1992. The contractor shall be thoroughly familiar with all applicable measures contained therein that may be pertinent to this project, including Minimum Standards 1 through 19. If the approved Erosion and Sediment Control plan is found to be inadequate in the field, the Minimum Standards will apply in addition to the provisions of the approved plan.

2. As a prerequisite to approval of an erosion and sediment control plan for land-disturbing activities, the name of a Responsible Land-Disturber shall be provided. The Responsible Land-Disturber shall be an individual who holds a valid certificate of competence issued by the Virginia Department of Conservation and is defined as the person in charge of and responsible for carrying out the land-disturbing activity. Permits or plans without this information are deemed incomplete and will not be approved until proper notification is received. Also, if the person designated as Responsible Land-Disturber changes between the time of plan approval and the scheduled preconstruction meeting, the Environmental Division shall be informed of the change, in writing, 24-hours in advance of the preconstruction meeting.

3. A preconstruction meeting shall be held on site between the County, the Developer, the Project Engineer, the Responsible Land-Disturber and the Contractor prior to issuance of the Land Disturbing Permit. The Contractor shall submit a Sequence of Construction to the County for approval prior to the preconstruction meeting. The designated Responsible Land-Disturber is required to attend the preconstruction meeting for the project.

4. All points of construction ingress and egress shall be protected by a temporary construction entrance to prevent tracking of mud onto public right-of-ways. An entrance permit from VDOT is required prior to any construction activities within State right-of-ways. Where sediment is transported onto a public road surface, the road shall be thoroughly cleaned at the end of each day (Std & Spec 3.02).

5. Sediment basins and traps (Std & Spec 3.13 and 3.14), perimeter dikes (Std & Spec 3.09 and 3.12), sediment filter barriers (Std. & and Spec 3.05) and other measures intended to trap sediment on-site must be constructed as a first step in grading and must be made functional prior to any upslope land disturbance taking place. Earthen structures such as dams, dikes and diversions must be seeded and mulched immediately after installation. Periodic inspections of the erosion control measures by the owner or owners representative shall be made to assess their condition. Any necessary maintenance of the measures shall be accomplished immediately and shall include the repair of measures damaged by any subcontractor including those of the public utility companies.

6. Surface flows over cut and fill slopes shall be controlled by either redirecting flows from transversing the slopes or by installing mechanical devices to safely lower water downslope without causing erosion. A temporary fill diversion (Std. & Spec. 3.10) and slope drain (Std. & Spec. 3.15) shall be installed prior to the end of each working day.

7. Sediment control measures may require minor field adjustments at time of construction to insure their intended purpose is accomplished. Environmental Division approval will be required for other deviations from the approved plan.

8. The Contractor shall place soil stockpiles at the locations shown on the plan. Soil stockpiles shall be stabilized or protected with sediment trapping measures. Off-site waste or borrow areas shall be approved by the Environmental Division prior to the import of any borrow or export of any waste to or from the project site.

9. The Contractor shall complete drainage facilities within 30 days following completion of rough grading at any point within the project. The installation of drainage facilities shall take precedence over all underground utilities. Outfall ditches from drainage structures shall be stabilized immediately after construction of the same (Std & Spec 3.18). This includes installation of erosion control stone or paved ditches where required. Any drainage outfalls required for a street must be completed before street grading or utility installation begins.

10. Permanent or temporary soil stabilization shall be applied to denuded areas within seven days after final grade is reached on any portion of the site. Temporary soil stabilization shall be applied within seven days to denuded areas that may not be at final grade but will remain dormant for longer than 30 days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one year.

11. No more than 300 feet of sanitary sewer, storm drain, water or underground utility lines are to be open at one time. Following installation of any portion of these items, all disturbed areas are to be immediately stabilized (i.e., the same day).

12. If disturbed area stabilization is to be accomplished during the months of December, January or February, stabilization shall consist of mulching (Std & Spec 3.35). Seeding will then take place as soon as the season permits.

13. The term Seeding, Final Vegetative Cover or Stabilization on this plan shall mean the successful germination and establishment of a stable grass cover from a properly prepared seedbed containing the specified amounts of seed, lime and fertilizer (Std & Spec 3.32). Irrigation shall be required as necessary to ensure establishment of grass cover.

14. All slopes steeper than 3H:1V shall require the use of erosion control blankets and mattings to aid in the establishment of a vegetative cover. Installation shall be in accordance with Std. & Spec. 3.35, Mulching, Std. & Spec. 3.36, Soil Stabilization Blankets and Matting and Manufacturers Instructions. No slopes shall be created steeper than 2H:1V.

15. Inlet protection (Std & Spec 3.07 and 3.08) shall be provided for all storm drain and culvert inlets following construction of the same.

16. Temporary liners, such as polyethylene sheets, shall be provided for all paved ditches until the permanent concrete liner is installed.

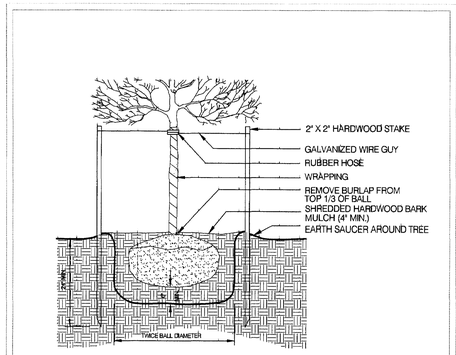
17. Paved ditches shall be required wherever accelerated erosion is evident. Particular attention shall be paid to those areas where grades exceed 3 percent.

18. Temporary erosion control measures such as silt fence are not to be removed until all disturbed areas are stabilized. Trapped sediment shall be spread, seeded and mulched. After the project and stabilization is complete, all erosion and sediment control measures shall be removed within 30 days.

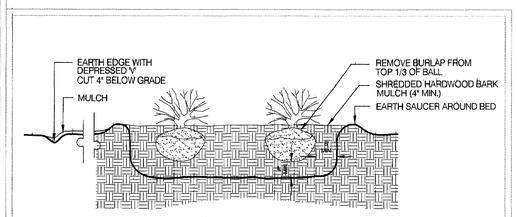
19. No sediment trap or sediment basin shall be removed until a) at least 75 percent of the lots within the drainage area to the trap or basin have been sold to a third party (unrelated to the developer) for the construction of homes and/or b) 60 percent of the single family lots within the drainage area to the trap or basin have been completed and the soil stabilized. A bulk sale of the lots to another builder does not satisfy this provision. Sediment traps and sediment basins shall not be removed without the express authorization of the James City County Environmental Division.

20. Record Drawings (As-Builts) and Construction Certifications are both required for newly constructed or modified stormwater management/BMP facilities. Certification activities shall be adequately coordinated and performed before, during and following construction in accordance with the current version of the James City County Environmental Division, Stormwater Management/BMP Facilities, Record Drawing and Construction Certification, Standard Forms & Instructions.

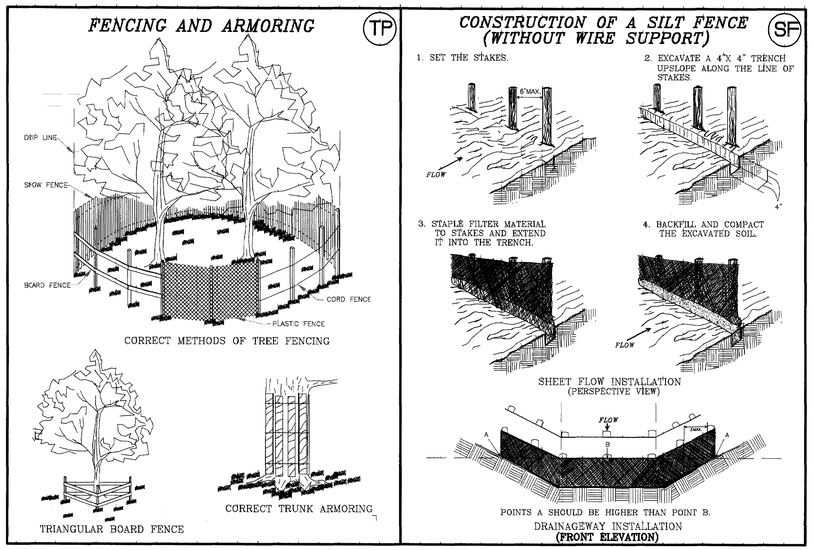
21. Design and construction of private-type site drainage systems outside VDOT rights-of-way shall be performed in accordance with the current version of the James City County Environmental Division, Stormwater Drainage Conveyance Systems (Non-BMP related), General Design and Construction Guidelines.



TREE PLANTING - UP TO 3" CALIPER
N.T.S.



SHRUB PLANTING BED
N.T.S.



BEFORE DIGGING CALL "MISS UTILITY" OF VIRGINIA AT 1-800-552-7001

Simmons Engineering, Inc.
Civil Engineering Design And Consulting
Williamsburg Business Center
4732 Longhill Road, Suite 3103
Williamsburg, VA 23188
Voice: (757) 258-5000
Fax: (757) 258-3758
E-mail: rcsPE@quicknet.net

Designed By: rcs | Drawn By: C.A.N. | Scale: 1" = 20' | Date: August 1, 2001

COMMONWEALTH OF VIRGINIA
RALPH C. SIMMONS
No. 018698
11/6/01
PROFESSIONAL ENGINEER

By	Revision	App.	Date
1 CAN	Per Staff Comment Ltr Dtd 10/5/01	rcs	10/31/01

Bob-Cat Building
Building Addition
Notes & Details
James City County, Virginia

01-136 | C2

EASTERN STATE HOSPITAL

NORTH

N84/27/20E 207.64'

N/F C. LEWIS CASEY ET AL

N15/04/46W 288.76'

S15/04/46E 285.47'

PROPOSED ADDITION ONE-STORY TYPE 5B
FLOOR AREA: 2472 SF HEIGHT: 25'

ONE-STORY TYPE 5B CONSTRUCTION
FLOOR AREA: 6115 SF HEIGHT: 25'

LOADING

SURFACE: 6" COMPACTED CRUSHER-RUN STONE BASE ON COMPACTED EARTH AGGREGATE SUB-BASE FOR FUTURE ASPHALT SURFACING

MONITORING WELL DETAIL

Δ:14/49/03
L:205.35'
R:794.02'
C:204.77'
CB:S75/13/49W

TEWNING ROAD 50' R-O-W STATE ROUTE 747

AMENDED SITE PLAN

1":20'

LOCATION MAP

TYPICAL PARKING LOT INFILTRATION BASIN OR TRENCH

(39-1)(01-0-0011-)
125 Tewning Road
Williamsburg 23185

FINAL ADDRESS ISSUED
RECEIVED 7/6/89

Δ NOTE: SIGHT DISTANCE OF 250' (DOT 25 MPH LIMIT) IS EXCEEDED TO THE WEST (APPROX. 400') AND TO THE EAST (APPROX. 550').

Δ NOTE: OCCUPANCY WILL BE LIMITED TO PERMITTED ACTIVITIES & USES IN ACCORDANCE WITH JCC ORDINANCE

NOTE: THIS PROPERTY DOES NOT LIE WITHIN THE 100-YEAR FLOOD PLAIN.

NOTE: BOUNDARY & TOPOGRAPHIC DATA ARE TAKEN FROM A PLAT PREPARED BY LBS & PROFESSIONAL CORPORATION, DATED 10/02/86.

NOTE: PARKING SPACES WILL BE DENOTED BY PAINTED STRIPES WHEN FUTURE ASPHALT SURFACING IS INSTALLED.

DRAINAGE CALCULATIONS

OVERLAND (TIMEPAPER) = 20'

RALE = $I_1$103 - 72.103 = 27

SOURCE = 17'/120' = 1.2%

PRE-DEVELOPMENT

T_c = 20, I_2 = 3.6, c = 0.1

Q = c i a = 0.1 · 3.6 · 1.6

POST-DEVELOPMENT

T_c = 5, I_2 = 5.1

Q = c i a = 0.9 · 5.1 · 1.6 = 7.3 cfs

Q_{post} - Q_{pre} = 7.3 - 2.9 = 4.4 cfs

Q_{post} = 7.3 cfs

Given Slope: Q = c i a = 0.9 · 5.1 · 1.6 = 7.3 cfs

Actual Flow from site:

Q = c i a = 0.9 · 5.1 · 0.9 = 4.1 cfs

TOTAL DETENTION TO:

Excavation Ditch Detention (Upper Tree Control & Variable Slope properties for Actual Storm)

2.7 cfs < 3.5 cfs = 4.1 cfs

MINIMUM CAPACITY OF PIPE = (Same pipe control = 3.5 cfs assuming inlet control & full flow)

Therefore, design culvert for a capacity of 3.5 cfs

SITE SUMMARY

PROPERTY DESCRIPTION: LOT 7, TEWNING COMMERCIAL PARK
ZONED M-1

AREA = 1.30 ACRES	= 56,682 SF	100.00%
TOTAL BUILDING AREA	= 9,080 SF	16.02%
PAVED AREA	= 35,320 SF	62.31%
GREEN AREA	= 12,282 SF	21.67%

PARKING SPACES REQUIRED - 9587/250 = 38.35
PARKING SPACES PROVIDED = 36
HANDICAPPED SPACES REQUIRED = 1
HANDICAPPED SPACES PROVIDED = 1
LOADING SPACES REQUIRED = 5
LOADING SPACES PROVIDED = 5
PARKING AREA TREES REQUIRED = 36/10 = 3.6
PARKING AREA TREES PROVIDED - EXCEEDS 4
PERIMETER TREES REQUIRED = 317.22/50 = 18.34
PERIMETER TREES PROVIDED - EXCEEDS 19

CONSTRUCTION OF A FILTER BARRIER (SF)

PROPER PLACEMENT OF A FILTER BARRIER IN A DRAINAGE WAY (SF)

CE GRAVEL CONSTRUCTION ENTRANCE

CURB VDH&T CG-2

SECTION A-A

SECTION B-B

ISOMETRIC VIEW

HANDICAPPED RAMP

BOBCAT BUILDING TEWNING ROAD, JAMES CITY COUNTY, VIRGINIA

ROBERT COWLING, AIA, & ASSOCIATES · ARCHITECTURE · PLANNING

Robert F. Ripley, Owner-Developer

9 FEB 87

PROJECT 8614 DRAWING S1

THIS DOCUMENT IS AN INSTRUMENT OF PROFESSIONAL SERVICE AND SHALL REMAIN THE SOLE PROPERTY OF ROBERT COWLING, AIA, & ASSOCIATES. USE OF THIS DOCUMENT ON ANY OTHER PROJECT OR ANY ADDITION TO THIS PROJECT IS PROHIBITED EXCEPT BY PRIOR WRITTEN AGREEMENT WITH ROBERT COWLING, AIA, & ASSOCIATES OR THEIR SUCCESSORS.

BURGET BLVD
DRAINAGE CALC

DAC
[illegible]
[illegible]

FLOW TO FRONT DRAINAGE
DITCH $\boxed{1.1 \text{ CFS}}$

TOTAL DRAINAGE ACROSS FRONT

BOULE ROAD DRAINAGE .5% slope
12' FRONT, 12' DITCH $C = .69$
$L = 15$ $I_{10} = 5.2$

DITCH FLOW
$Q = CIA$
$= .69(5.2)(.75) = 2.7$ cfs

ADDITIONAL FLOW FROM LOT
$Q = CIA$
$= .65(5.2)(.44) = 1.5$ cfs

TOTAL DITCH FLOW TO OUTFLOW
DITCH BETWEEN JAMES PEST &
WARHILL VET. FOR 10 YR STORM
2.7 cfs + 1.5 cfs = 4.2 cfs

MINIMUM CAPICITY OF PIPE AT
JAMES PEST CONTROL ASSUMING
INLET CONTROL & 1.15 HW/D RATIO
5.5 cfs ∴ ROADSIDE DITCH
& CULVERTS ADEQUATE

BOBCAT [illegible]

DRAINAGE CALC.

OVERLAND FLOW 320'
FALL = 7'
SLOPE 2.2%

PRE-DEVELOPMENT
$T_c = 20$ I_2 $C = .3$
$Q = CIA$
$= .3(3.9)(1.3)$

POST DEVELOPMENT
$t_c = 15$ $I_2 = 3.9$

$C = .9$ ROOF & PAVEMENT 59%
$C = .3$ FOREST 41%
$C = .65$

$Q = CIA$
$= .65(3.9)(1.3) =$
$= 3.3$ cfs

INCREASE IN RUNOFF FOR SITE 2.0 cfs

A PORTION OF RUN OFF TO BE REDIRECTED TO ROADSIDE DITCH
$Q = CIA$
$= .65(3.9)(.44) = 1.1$ cfs

DRAINAGE TO REAR
$3.3 - 1.1 = 2.2$ cfs
INCREASE TO REAR THAT SHEETS OVER CURB TO EASTERN STATE SYSTEM $2.2 - 1.3 =$ **0.9 CFS**

Pat Menichino

From: Scott Thomas
Sent: Tuesday, February 07, 2006 12:04 PM
To: Pat Menichino
Subject: RE: Project Closures

To the best of my knowledge, I have gotten nothing on either of these projects.

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

-----Original Message-----
From: Pat Menichino
Sent: Friday, January 20, 2006 9:28 AM
To: Scott Thomas
Cc: Darryl Cook; Rick Hall
Subject: Project Closures

On 1/19/06 Rick and I performed field inspections of the following projects that require BMPs. We need to identify if the projects have the required certifications and record drawings prior to project closure.

Bob-Cat Condominium Building Addition

RE Berry - Contractor Yard and Warehouse, (note: field inspection revealed no sign of BMP installation)

Patrick T. Menichino
James City County Environmental Division
757-253-6675

Simmons Engineering, Inc.
Civil & Structural Engineering Design and Consulting
Greensprings Center
4300 Ewell Circle
Williamsburg, VA 23188
(757) 278-7000 Fax (757) 278-5950

December 18, 2007

Mr. Patrick T. Menichino
Environmental Division
101-E Mounts Bay Road
Williamsburg, VA 23187

PC-212

SP-093-01

re: **Bob-Cat Condominium Building Addition**
Record Drawing & Construction Certification
Project # 01-136

Sent via fax 259-4032

Dear Mr. Menichino:

This letter is Certification that the maintenance of the onsite Infiltration Trench is complete as specified by the approved Site Plan documents. Attached is a excerpt of the Site Plan for your records.

Thank you.

Sincerely,

Ralph C. Simmons, P.E.
President

COMMONWEALTH OF VIRGINIA
RALPH C. SIMMONS
No. 018289
PROFESSIONAL ENGINEER

Attachment

cc: Mr. Bob Ripley

\\Jonathan\c on jonathan\SEI Documents\project documents 2000-01\01-136 bob cat\01-136 as-built ltr on bmp 12-18-07.doc

DEVELOPMENT MANAGEMENT

101-E MOUNTS BAY ROAD, P.O. BOX 8784, WILLIAMSBURG, VIRGINIA 23187-8784
(757) 253-6671 Fax: (757) 259-4032 E-MAIL: devtman@james-city.va.us

ENVIRONMENTAL DIVISION (757) 253-6670 environ@james-city.va.us
PLANNING (757) 253-6685 planning@james-city.va.us
COUNTY ENGINEER (757) 253-6678
MOSQUITO CONTROL (757) 259-4116

February 13, 2006

Mr. Robert F. Ripley
122 Tewning Road
Williamsburg, VA 23188

Re: Bob-Cat Condominium Building Addition

Dear Mr. Ripley:

The Environmental Division is in the process of closing files on completed projects within the County. Prior to closing out projects we are conducting a review of our files to insure all required documentation has been received. Our review indicates that we have not received a record drawing (as built) or construction certification for the following stormwater management facility at the above referenced project.

Record Drawing & Construction Certification:

Our review indicates in the note section on Sheet No. C1 of the approved plan that a record drawing (as built) and construction certification were required for the onsite stormwater management/BMP listed above. None have been receive by this office to date.

Please forward these documents to our office at your earliest convenience. Please call me at 253-6675 should you have any questions concerning this matter.

Sincerely,

Patrick T. Menichino

Patrick T. Menichino
Environmental Division

CC: Darryl Cook
Scott Thomas
Rick Hall

James City County Environmental Division
Stormwater Management / BMP Inspection Report
Infiltration Basin and Trench Facilities

County BMP ID Code (if known): PC-212

Name of Facility: Bob-Cat Condominium Bldg. Addition BMP No.: _____ Date: 1/21/10

Location: northeast corner of project

Name of Owner: Robert F. Bipley

Name of Inspector: Amy Parker

Type of Facility: Infiltration Trench

Weather Conditions: cloudy Type: ☒ Final Inspection ☐ County BMP Inspection Program ☐ Owners Inspection

If an inspection item is not applicable, mark NA, otherwise mark the appropriate column.

O.K. - The item checked is in adequate condition and the maintenance program is currently satisfactory. No action required.
Routine - The item checked requires attention, but does not present an immediate threat to the function/integrity of the BMP.
Urgent - The item checked requires immediate attention to keep the BMP operational and prevent damage to the facility.

Provide an explanation and details in the comment column, if routine or urgent are marked.

Facility Item	O.K.	Routine	Urgent	Comments
Accessibility:				
Roads	✓			
Parking Areas	✓			
Gates	N/A			
Locks	N/A			
Safety Fencing	N/A			
Observation Wells/Areas:				
Trap Doors	✓			
Manhole Covers	N/A			
Grates				
Steps	N/A			
Pretreatment Devices: ☐ Inlet ☐ Sump ☐ Forebay ☒ Other Swale				
Sediment	✓			
Trash & Debris	✓			
Structure	N/A			
Other				

Facility Item	O.K.	Routine	Urgent	Comments
Primary Storage/ Infiltration Area:				
Trash & Debris	✓			
Sediment	✓			
Ponding / Drawdown	✓			
Surface Aggregates	✓			
Aesthetics	✓			
Other				
Inlet Structure # 1 (Describe Location):				
Condition of Structure				
Erosion				
Trash and Debris				
Sediment				
Aesthetics				
Other				
Inlet Structure # 2 (Describe Location):				
Condition of Structure				
Erosion				
Trash and Debris				
Sediment				
Aesthetics				
Other				
Inlet Structure # 3 (Describe Location):				
Condition of Structure				
Erosion				
Trash and Debris				
Sediment				
Aesthetics				
Other				
Outlets - Overflow or Bypass Control Structures (Describe Location):				
Condition of Structure				
Erosion				
Trash and Debris				
Sediment				
Other				
Nuisance Type Conditions:				

Facility Item	O.K.	Routine	Urgent	Comments
Mosquito Breeding	✓			
Animals, Rodents	✓			
Graffiti	✓			
Other				
Perimeter (Contributing Drainage Area) Conditions:				
Stabilization	✓			
Vegetation Condition				
Trash and Debris	✓			
Aesthetics	✓			
Other				

Remarks:

Overall Environmental Division Internal Rating: 3.5

Signature: Amy Park **Date:** 1/21/10

Title: Inspector

SWMProg\BMP\CoInspProg\SubDetInfil.wpd