



**TRANSMITTAL SHEET**  
**ENGINEERING & RESOURCE PROTECTION → STORMWATER**

Project: Chickahomony Haven (Canal Street)

County Plan No.: E&S-004-13

Assigned BMP No.: None storm pipe only

BMP Type:

Information Enclosed:

- Record Drawings (Asbuilts)
- Construction Certification
- Computations
- Other : Approved Plan and Deed of Easement

*Box 8  
99165*

---

---

---

---

---

---

---

---

---

---

Name: Tina Creech

Date: 8/27/13

Signature: *Tina Creech*

## **Contents for Stormwater Management Facilities As-built Files**

Each File is to contain:

- 1. Maintenance Agreement
- 2. Construction certification
- 3. As-Built plan
- 4. Design Calculations
- 6. Correspondence
- 7. Inspection records
- 8. Miscellaneous

Tax Parcel Number(s): 1910900041  
Consideration: \$1.00

**RECORDATION TAX IS EXEMPT PURSUANT TO THE CODE OF VIRGINIA, 1950,  
AS AMENDED, SECTION 58.1-811 (A)(3) AND (C)(1).**

**DEED OF EASEMENT  
DRAINAGE EASEMENT**

This DEED OF EASEMENT made this \_\_\_\_\_ day of \_\_\_\_\_, 2013,

by and between CAROL C. OWENS and PETER G. OWENS hereinafter referred to as  
“Grantor” and the COUNTY OF JAMES CITY, VIRGINIA, a political subdivision of the  
Commonwealth of Virginia hereinafter referred to as “Grantee.”

WITNESSETH: That for and in consideration of the sum of ONE DOLLAR (\$1.00) and  
other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the  
Grantor does grant and convey with GENERAL WARRANTY unto Grantee the following rights  
in and to certain real property situate, lying and being in James City County, Virginia, to-wit:

The privilege and easement, in perpetuity as indicated on the attached plat, of right-of-  
way to construct, lay, maintain, repair, inspect, improve, replace, and alter, and at will remove  
within the permanent easement hereinafter described works and systems for the transmission of  
stormwater and related services over, upon, across, and under property of the Grantor, said  
permanent easements being further described on a certain plat entitled, “PLAT SHOWING A 15’  
PUBLIC DRAINAGE EASEMENT” dated February 14, 2013, made by AES Consulting  
Engineers a copy of which is attached hereto and made a part hereof and to which reference

Prepared by and return to:  
James City County Stormwater  
Attn: Jo Anna Ripley  
5320 Palmer Lane Suite 2A  
Williamsburg, VA 23188  
(757)259-1447

is here made more accurate description of the easements for a herein conveyed (the "Easement Area").

Said real estate having been conveyed to the Grantor by Deed recorded March 12, 2002 as Instrument Number 020006545 in the Office of the Clerk of the Circuit Court of the City of Williamsburg and the County of James City.

The further terms and conditions of this grant are as follows:

- a. The Grantee may (but is not required) to trim, cut, remove, and clear all trees, limbs undergrowth, and any and all other obstructions within the Easement Area that may in any manner, in the Grantee's sole discretion, endanger or interfere with the proper and efficient construction operation of the works and systems therein or thereon, and the Grantee shall have all other rights and privileges as are reasonably necessary or convenient for the full enjoyment and use of the easement herein granted for the aforesaid purpose.
- b. The granting of this easement neither expressly or impliedly constitutes any payment or the waiver of any obligation for the payment by the Grantor or his successors or assigns of any fee or charge or obligation whatsoever, now due and payable or hereafter to become due and payable to the Grantee or to any person, firm, governmental body, or other corporation whatsoever.
- c. The Grantee will exercise reasonable care to protect the Grantor's property from damage or injury occasioned in the enjoyment of the easement and rights herein granted.

The Grantor further covenants that he has the right to convey the said easement, that the Grantee shall have quiet and peaceful enjoyment and possession of said easement and that the Grantor will execute such further assurance of the said grants and easements herein contained as may be requested by Grantee.

[Remainder of page left intentionally blank]

WITNESS the following signature and seal:

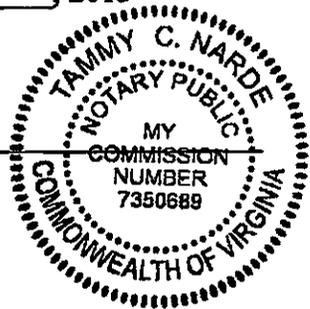
(SEAL) Carol C. Owens  
CAROL C. OWENS

(SEAL) Peter G. Owens  
PETER G. OWENS

COMMONWEALTH OF VIRGINIA  
COUNTY OF JAMES CITY, to wit:

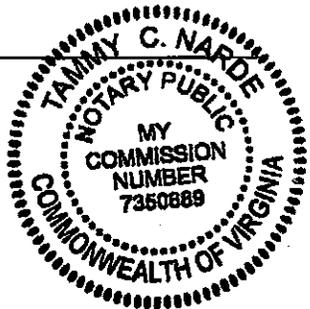
I, the undersigned Notary Public do certify that Carol C. Owens  
whose name is signed to the foregoing, writing, dated April 15 2013,  
has acknowledged the same before me in my jurisdiction aforesaid.

County/City of York GIVEN under my hand this 15 day of April, 2013  
Commonwealth/State of VA  
The foregoing instrument was acknowledged  
before me this 15 day of April  
2013, by  
Carol C. Owens  
(name of person seeking acknowledgement)  
Tammy C. Narde  
Tammy C. Narde, Notary Public ID No. 7350689  
My Commission Expires: 3/31/2014



I, the undersigned Notary Public do certify that Peter G. Owens  
whose name is signed to the foregoing, writing, dated April 15 2013,  
has acknowledged the same before me in my jurisdiction aforesaid.

County/City of York GIVEN under my hand this 15 day of April, 2013  
Commonwealth/State of VA  
The foregoing instrument was acknowledged  
before me this 15 day of April  
2013, by  
Peter G. Owens  
(name of person seeking acknowledgement)  
Tammy C. Narde  
Tammy C. Narde, Notary Public ID No. 7350689  
My Commission Expires: 3/31/2014



**The form of this Deed of Easement is approved and, pursuant to Resolution of the Board of Supervisors of James City County, Virginia, duly adopted on the 9<sup>th</sup> day of September 2008, this conveyance is hereby accepted on behalf of said County.**

---

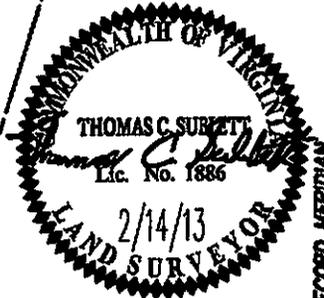
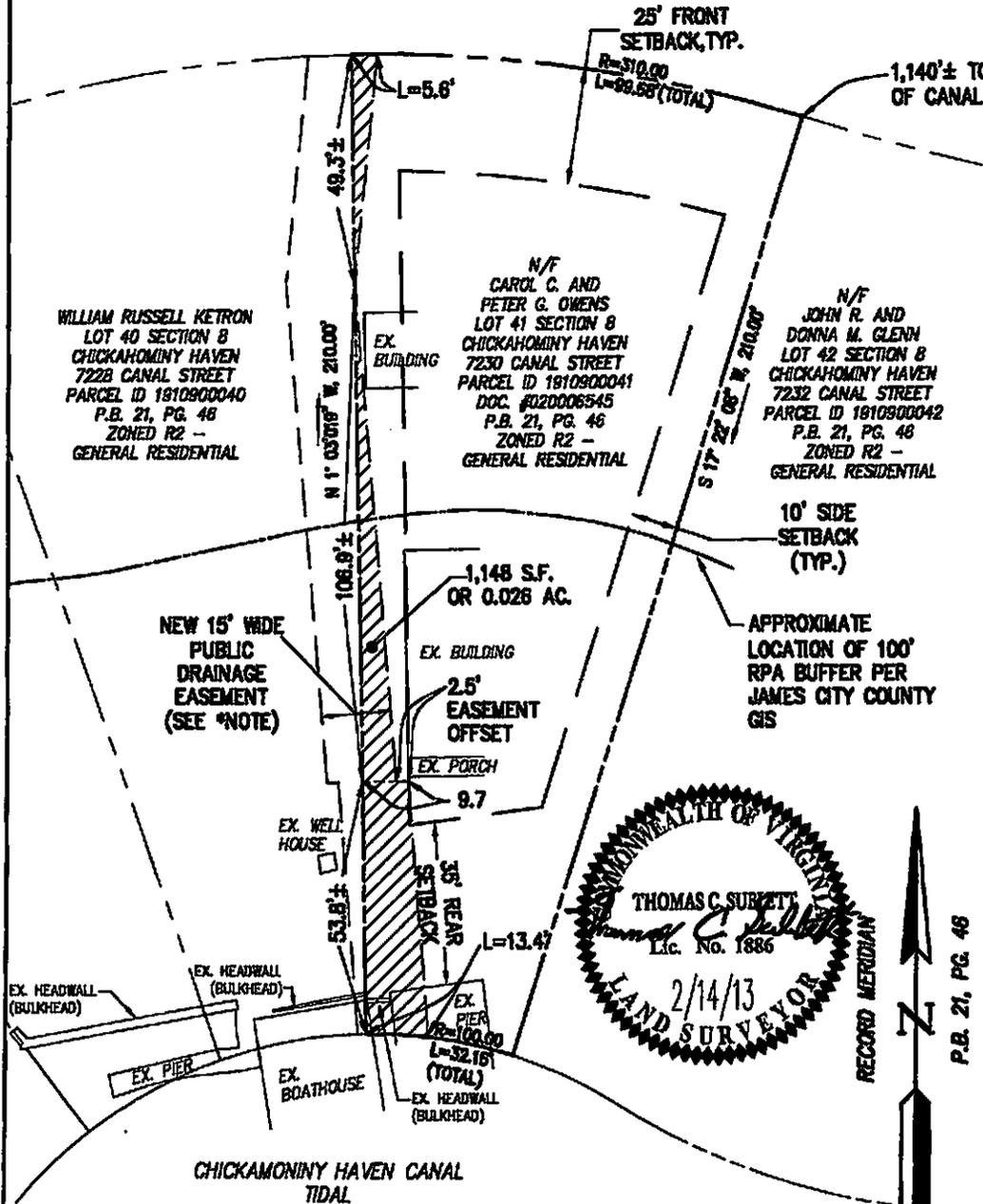
**Adam R. Kinsman  
County Attorney**

---

**Date**

**[Remainder of page left intentionally blank]**

CANAL STREET 50' R/W



P.B. 21, PG. 46

**///** DENOTES AREA OF 15' WIDE PUBLIC DRAINAGE EASEMENT RESIDING ON LOT.

**\*NOTE:**  
THE COUNTY OF JAMES CITY AND ITS AGENTS AND ASSIGNS ARE GRANTED A NONEXCLUSIVE RIGHT, BUT NOT RESPONSIBILITY, TO MAINTAIN THE PUBLIC DRAINAGE EASEMENT.



**15' PUBLIC DRAINAGE EASEMENT  
TO BE DEDICATED  
TO  
JAMES CITY COUNTY  
FROM  
CAROL C. AND PETER G. OWENS  
POWHATAN DISTRICT JAMES CITY COUNTY VIRGINIA**

Project Contacts: LBA	Scale: 1"=30'
Project Number: W10119-E-27	Date: 2/14/13
<p><b>AES</b> CONSULTING ENGINEERS</p>	5203 Old Towne Road, Suite 1 Williamsburg, Virginia 23188 Phone: (757) 253-0040 Fax: (757) 220-8884 <a href="http://www.aesva.com">www.aesva.com</a>
	Hampton Roads   Central Virginia   Middle Peninsula

Tax Parcel Number(s): 1910900040  
Consideration: \$1.00

**RECORDATION TAX IS EXEMPT PURSUANT TO THE CODE OF VIRGINIA, 1950,  
AS AMENDED, SECTION 58.1-811 (A)(3) AND (C)(1).**

**DEED OF EASEMENT  
DRAINAGE EASEMENT**

This DEED OF EASEMENT made this \_\_\_\_\_ day of \_\_\_\_\_, 2013,

by and between WILLIAM RUSSELL KETRON hereinafter referred to as "Grantor" and the  
COUNTY OF JAMES CITY, VIRGINIA, a political subdivision of the Commonwealth of  
Virginia hereinafter referred to as "Grantee."

WITNESSETH: That for and in consideration of the sum of ONE DOLLAR (\$1.00) and  
other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the  
Grantor does grant and convey with GENERAL WARRANTY unto Grantee the following rights  
in and to certain real property situate, lying and being in James City County, Virginia, to-wit:

The privilege and easement, in perpetuity as indicated on the attached plat, of right-of-  
way to construct, lay, maintain, repair, inspect, improve, replace, and alter, and at will remove  
within the permanent easement hereinafter described works and systems for the transmission of  
stormwater and related services over, upon, across, and under property of the Grantor, said  
permanent easements being further described on a certain plat entitled, "PLAT SHOWING A 15'  
PUBLIC DRAINAGE EASEMENT" dated February 14, 2013, made by AES Consulting  
Engineers a copy of which is attached hereto and made a part hereof and to which reference

Prepared by and return to:  
James City County Stormwater  
Attn: Jo Anna Ripley  
5320 Palmer Lane Suite 2A  
Williamsburg, VA 23188  
(757)259-1447

is here made more accurate description of the easements for a herein conveyed (the "Easement Area").

Said real estate having been conveyed to the Grantor by Deed recorded March 12, 2002 as Instrument Number 020006545 in the Office of the Clerk of the Circuit Court of the City of Williamsburg and the County of James City.

The further terms and conditions of this grant are as follows:

- a. The Grantee may (but is not required) to trim, cut, remove, and clear all trees, limbs undergrowth, and any and all other obstructions within the Easement Area that may in any manner, in the Grantee's sole discretion, endanger or interfere with the proper and efficient construction operation of the works and systems therein or thereon, and the Grantee shall have all other rights and privileges as are reasonably necessary or convenient for the full enjoyment and use of the easement herein granted for the aforesaid purpose.
- b. The granting of this easement neither expressly or impliedly constitutes any payment or the waiver of any obligation for the payment by the Grantor or his successors or assigns of any fee or charge or obligation whatsoever, now due and payable or hereafter to become due and payable to the Grantee or to any person, firm, governmental body, or other corporation whatsoever.
- c. The Grantee will exercise reasonable care to protect the Grantor's property from damage or injury occasioned in the enjoyment of the easement and rights herein granted.

The Grantor further covenants that he has the right to convey the said easement, that the Grantee shall have quiet and peaceful enjoyment and possession of said easement and that the Grantor will execute such further assurance of the said grants and easements herein contained as may be requested by Grantee.

[Remainder of page left intentionally blank]

WITNESS the following signature and seal:

(SEAL) William R Ketron  
WILLIAM RUSSELL KETRON

COMMONWEALTH OF VIRGINIA  
COUNTY OF JAMES CITY, to wit:

I, the undersigned Notary Public do certify that William Russell Ketron  
whose name is signed to the foregoing, writing, dated April 2 2013,  
has acknowledged the same before me in my jurisdiction aforesaid.

GIVEN under my hand this 2 day of April, 2013

JOYCE A. HUNTSINGER  
NOTARY PUBLIC  
COMMONWEALTH OF VIRGINIA  
MY COMMISSION EXPIRES JUNE 30, 2013  
COMMISSION # 309197

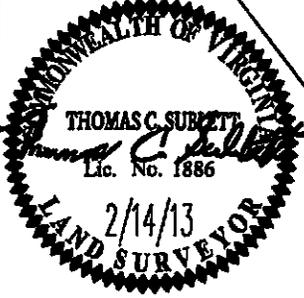
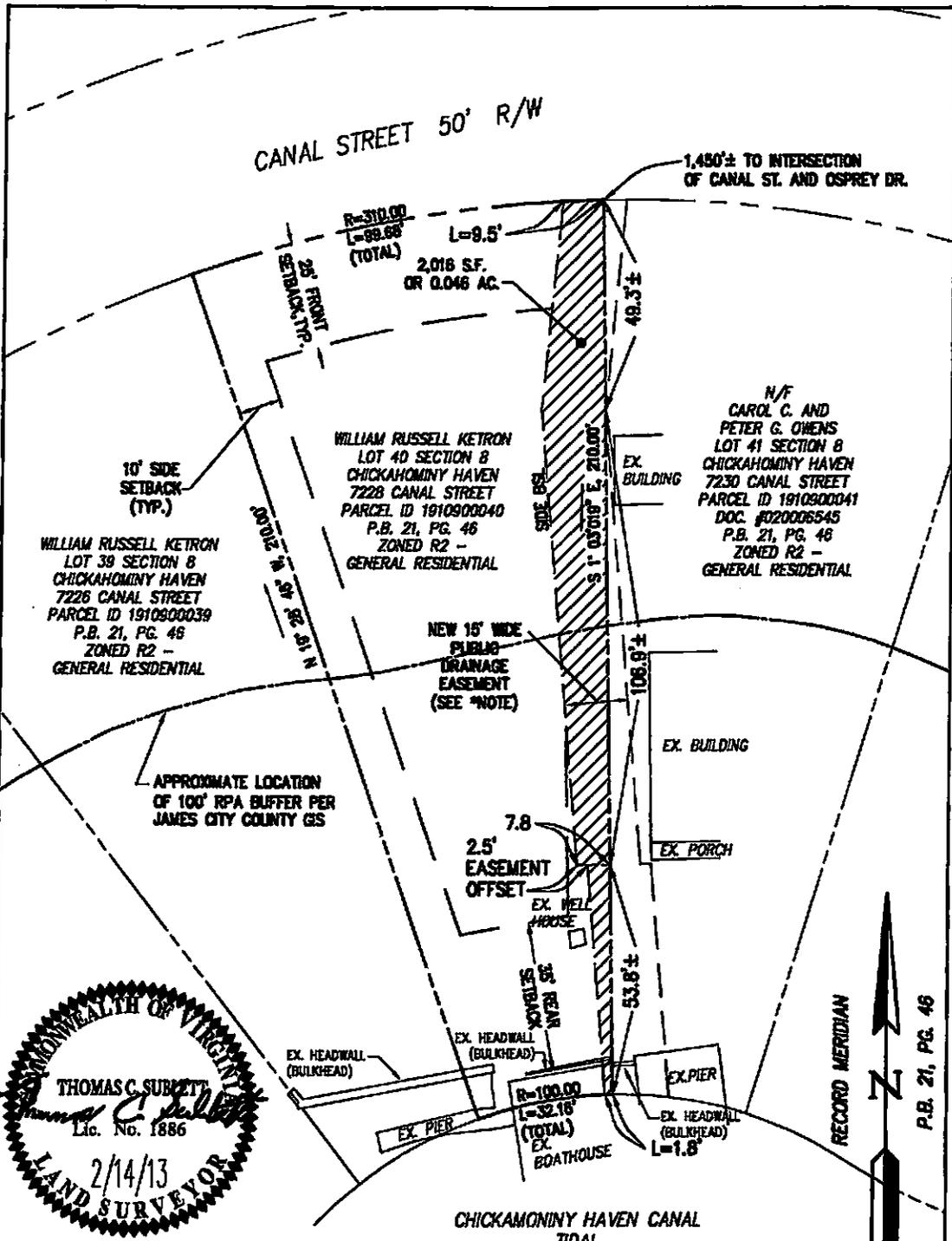
Joyce A. Huntsinger  
Notary Public  
Registration No.: 309197

My commission expires: 6/30/2013

The form of this Deed of Easement is approved and, pursuant to Resolution of the Board of Supervisors of James City County, Virginia, duly adopted on the 9<sup>th</sup> day of September 2008, this conveyance is hereby accepted on behalf of said County.

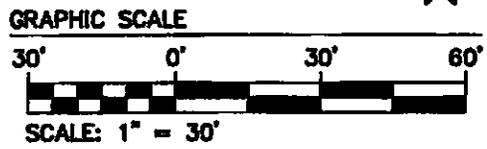
\_\_\_\_\_  
Adam R. Kinsman  
County Attorney

\_\_\_\_\_  
Date

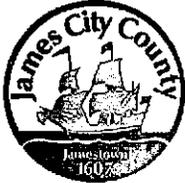


**///** DENOTES AREA OF 15' WIDE PUBLIC DRAINAGE EASEMENT RESIDING ON LOT.

**\*NOTES:**  
 THE COUNTY OF JAMES CITY AND ITS AGENTS AND ASSIGNS ARE GRANTED A NONEXCLUSIVE RIGHT, BUT NOT RESPONSIBILITY, TO MAINTAIN THE PUBLIC DRAINAGE EASEMENT.



<p>15' PUBLIC DRAINAGE EASEMENT          TO BE DEDICATED          TO  <b>JAMES CITY COUNTY</b>          FROM  <b>WILLIAM RUSSELL KETRON</b>          POWHATAN DISTRICT JAMES CITY COUNTY VIRGINIA</p>	Project Contacts: LBA	Scale: 1"=30'
	Project Number: W10118-E-27	Date: 2/14/13
<p><b>AES</b>          CONSULTING ENGINEERS</p>		<p>5208 Old Towne Road, Suite 1          Williamsburg, Virginia 23188          Phone: (757) 263-0040          Fax: (757) 220-8084  <a href="http://www.aesinc.com">www.aesinc.com</a></p>
<p>Hampton Roads   Central Virginia   Middle Peninsula</p>		



**James City County Engineering and Resource  
Protection Division  
Stormwater Management/BMP Record Drawing and  
Construction Certification Review Tracking Form**

Project Name: JCC Canal Street Stormpipe Repair/ Replacement

County Plan No. (List any amendments): EES-001-13

Stormwater Management Facility Type: Storm only

BMP Phase #:  I  II  III

Information Package Submittal Date: 7/23/13

Completeness Check:

Record Drawing Date/By: AES 7/18/13

Construction Certification Date/By: AES 7/18/13

RD/CC Standard Forms (Ensure that all forms for the BMP type are included)

Insp/Maint Agreement # / Date: N/A

BMP Maintenance Plan Location: N/A

Special Considerations: \_\_\_\_\_

Standard E&SC Notes on Approved Plan Requiring RD/CC or County comment in plan review  
Location (sheet #): C-01 - Note @ E&S Plan

County BMP ID Code #: N/A

Log Into Division's "As-Built Tracking Log"

Obtain basic site information (GPIN, Owner, Address, etc.)

Log Into Access Database (BMP ID #, Plan No., GPIN, Project Name, etc.)

Copy from Active Project File (correspondence, H&H, design computations, etc.).

Create As-Built File using Project File information (File label, folder, copy plan/details/design information, etc.).

Inspector Review of RD/CC (consult with Chief Engineer prior to completion of comments).

Record Drawing Review against Approved Plan prior to Field Inspection.

Final Site Inspection (FI) Performed Date: 8/22/13

Record Drawing (RD) Review Date: 8/21/13

Construction Certification (CC) Review Date: 8/20/13

Actions:

No comments.

Comments. Letter Forwarded. Date: \_\_\_\_\_

Record Drawing (RD)

Construction Certification (CC)

Construction-Related (CR)

Site Issues (SI)

Other : \_\_\_\_\_

Resubmittal (# and date): \_\_\_\_\_

Re-inspection (if necessary): \_\_\_\_\_

Drainage System Information Acceptable (RD/CC/System Info). Ok for bond release.

Complete "Surety Request Form".

Final Inspection of active file copying any relevant information to "As-Built" file.

On County BMP Inventory (Phase I, II or III).

Copy Final Inspection Report into County BMP Inspection Program file.

Provide 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: *Ving Orack*

Date: 8/27/13

Chief Engineer: *[Signature]*

Date: 8/27/13

\*\*\* See separate checklist, if needed.

Tax Parcel Number(s): 1910900040  
Consideration: \$1.00

**RECORDATION TAX IS EXEMPT PURSUANT TO THE CODE OF VIRGINIA, 1950,  
AS AMENDED, SECTION 58.1-811 (A)(3) AND (C)(1).**

**DEED OF EASEMENT  
DRAINAGE EASEMENT**

This DEED OF EASEMENT made this 24 day of April 2013,

by and between WILLIAM RUSSELL KETRON hereinafter referred to as "Grantor" and the  
COUNTY OF JAMES CITY, VIRGINIA, a political subdivision of the Commonwealth of  
Virginia hereinafter referred to as "Grantee."

WITNESSETH: That for and in consideration of the sum of ONE DOLLAR (\$1.00) and  
other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the  
Grantor does grant and convey with GENERAL WARRANTY unto Grantee the following rights  
in and to certain real property situate, lying and being in James City County, Virginia, to-wit:

The privilege and easement, in perpetuity as indicated on the attached plat, of right-of-  
way to construct, lay, maintain, repair, inspect, improve, replace, and alter, and at will remove  
within the permanent easement hereinafter described works and systems for the transmission of  
stormwater and related services over, upon, across, and under property of the Grantor, said  
permanent easements being further described on a certain plat entitled, "PLAT SHOWING A 15'  
PUBLIC DRAINAGE EASEMENT" dated February 14, 2013, made by AES Consulting  
Engineers a copy of which is attached hereto and made a part hereof and to which reference

Prepared by and return to:  
James City County Stormwater  
Attn: Jo Anna Ripley  
5320 Palmer Lane Suite 2A  
Williamsburg, VA 23188  
(757)259-1447

is here made more accurate description of the easements for a herein conveyed (the "Easement Area").

Said real estate having been conveyed to the Grantor by Deed recorded March 12, 2002 as Instrument Number 020006545 in the Office of the Clerk of the Circuit Court of the City of Williamsburg and the County of James City.

The further terms and conditions of this grant are as follows:

- a. The Grantee may (but is not required) to trim, cut, remove, and clear all trees, limbs undergrowth, and any and all other obstructions within the Easement Area that may in any manner, in the Grantee's sole discretion, endanger or interfere with the proper and efficient construction operation of the works and systems therein or thereon, and the Grantee shall have all other rights and privileges as are reasonably necessary or convenient for the full enjoyment and use of the easement herein granted for the aforesaid purpose.
- b. The granting of this easement neither expressly or impliedly constitutes any payment or the waiver of any obligation for the payment by the Grantor or his successors or assigns of any fee or charge or obligation whatsoever, now due and payable or hereafter to become due and payable to the Grantee or to any person, firm, governmental body, or other corporation whatsoever.
- c. The Grantee will exercise reasonable care to protect the Grantor's property from damage or injury occasioned in the enjoyment of the easement and rights herein granted.

The Grantor further covenants that he has the right to convey the said easement, that the Grantee shall have quiet and peaceful enjoyment and possession of said easement and that the Grantor will execute such further assurance of the said grants and easements herein contained as may be requested by Grantee.

[Remainder of page left intentionally blank]

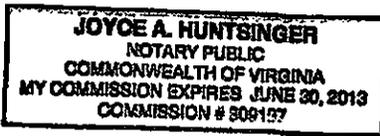
WITNESS the following signature and seal:

(SEAL) William R Ketron  
WILLIAM RUSSELL KETRON

COMMONWEALTH OF VIRGINIA  
COUNTY OF JAMES CITY, to wit:

I, the undersigned Notary Public do certify that William Russell Ketron  
whose name is signed to the foregoing, writing, dated April 2 2013,  
has acknowledged the same before me in my jurisdiction aforesaid.

GIVEN under my hand this 2 day of April, 2013



Joyce A. Huntsinger  
Notary Public  
Registration No.: 309197

My commission expires: 6/30/2013

The form of this Deed of Easement is approved <sup>as to form</sup> and, pursuant to Resolution of the Board of  
Supervisors of James City County, Virginia, duly adopted on the 9<sup>th</sup> day of September 2008, this  
conveyance is hereby accepted on behalf of said County.

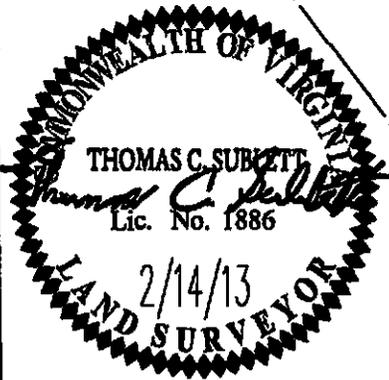
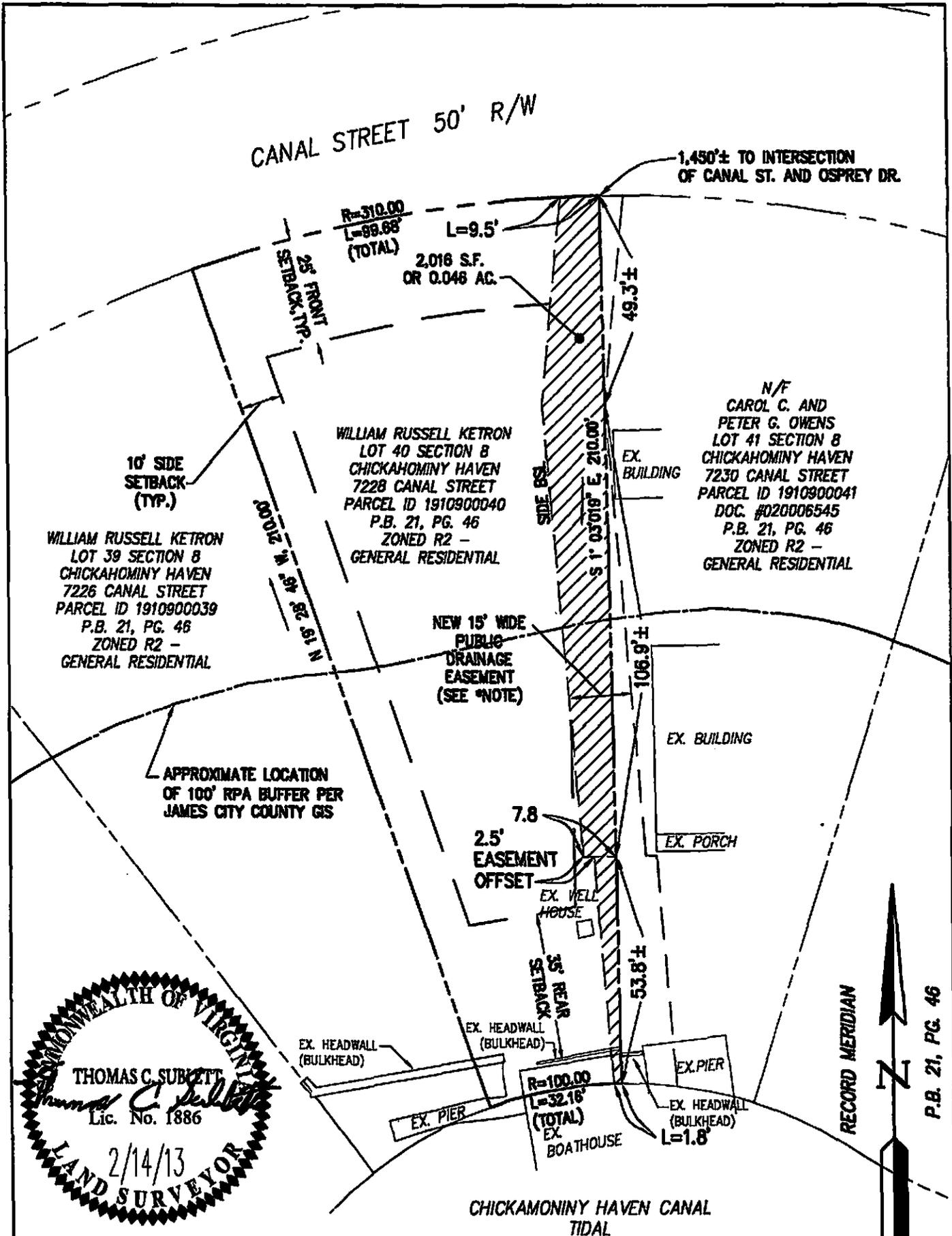
Adam R. Kinsman  
Adam R. Kinsman  
County Attorney

4.24.13  
Date

VIRGINIA: CITY OF WILLIAMSBURG & COUNTY OF JAMES CITY  
This document was admitted to record on 05-14-2013  
at 9:27 AM/PM. The taxes imposed by Virginia Code  
Section 58.1-801, 58.1-802 & 58.1-814 have been paid.

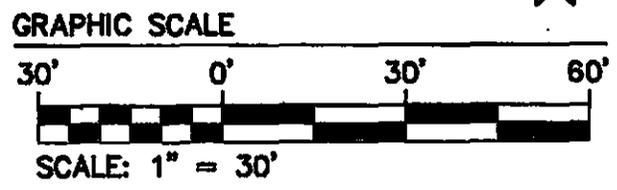
STATE TAX LOCAL TAX ADDITIONAL TAX  
\$ \_\_\_\_\_ \$ \_\_\_\_\_ \$ \_\_\_\_\_  
TESTE: BETSY B. WOOLRIDGE, CLERK  
BY: Betsy B. Woolridge Clerk

PLAT ATTACHED



DENOTES AREA OF 15' WIDE PUBLIC DRAINAGE EASEMENT RESIDING ON LOT.

\*NOTES:  
THE COUNTY OF JAMES CITY AND ITS AGENTS AND ASSIGNS ARE GRANTED A NONEXCLUSIVE RIGHT, BUT NOT RESPONSIBILITY, TO MAINTAIN THE PUBLIC DRAINAGE EASEMENT.



15' PUBLIC DRAINAGE EASEMENT  
TO BE DEDICATED  
TO  
JAMES CITY COUNTY  
FROM  
WILLIAM RUSSELL KETRON  
POWHATAN DISTRICT JAMES CITY COUNTY VIRGINIA

Project Contacts:	LBA	Scale:	1"=30'
Project Number:	W10119-E-27	Date:	2/14/13

5248 Old Towne Road, Suite 1  
Williamsburg, Virginia 23188  
Phone: (757) 253-0040  
Fax: (757) 220-8984  
[www.aesva.com](http://www.aesva.com)

CONSULTING ENGINEERS

Hampton Roads | Central Virginia | Middle Peninsula

Tax Parcel Number(s): 1910900041  
Consideration: \$1.00

**RECORDATION TAX IS EXEMPT PURSUANT TO THE CODE OF VIRGINIA, 1950,  
AS AMENDED, SECTION 58.1-811 (A)(3) AND (C)(1).**

**DEED OF EASEMENT  
DRAINAGE EASEMENT**

This DEED OF EASEMENT made this 27 day of APRIL 2013,

by and between CAROL C. OWENS and PETER G. OWENS hereinafter referred to as  
"Grantor" and the COUNTY OF JAMES CITY, VIRGINIA, a political subdivision of the  
Commonwealth of Virginia hereinafter referred to as "Grantee."

**WITNESSETH:** That for and in consideration of the sum of ONE DOLLAR (\$1.00) and  
other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the  
Grantor does grant and convey with GENERAL WARRANTY unto Grantee the following rights  
in and to certain real property situate, lying and being in James City County, Virginia, to-wit:

The privilege and easement, in perpetuity as indicated on the attached plat, of right-of-  
way to construct, lay, maintain, repair, inspect, improve, replace, and alter, and at will remove  
within the permanent easement hereinafter described works and systems for the transmission of  
stormwater and related services over, upon, across, and under property of the Grantor, said  
permanent easements being further described on a certain plat entitled, "PLAT SHOWING A 15'  
PUBLIC DRAINAGE EASEMENT" dated February 14, 2013, made by AES Consulting  
Engineers a copy of which is attached hereto and made a part hereof and to which reference

Prepared by and return to:  
James City County Stormwater  
Attn: Jo Anna Ripley  
5320 Palmer Lane Suite 2A  
Williamsburg, VA 23188  
(757)259-1447

is here made more accurate description of the easements for a herein conveyed (the "Easement Area").

Said real estate having been conveyed to the Grantor by Deed recorded March 12, 2002 as Instrument Number 020006545 in the Office of the Clerk of the Circuit Court of the City of Williamsburg and the County of James City.

The further terms and conditions of this grant are as follows:

- a. The Grantee may (but is not required) to trim, cut, remove, and clear all trees, limbs undergrowth, and any and all other obstructions within the Easement Area that may in any manner, in the Grantee's sole discretion, endanger or interfere with the proper and efficient construction operation of the works and systems therein or thereon, and the Grantee shall have all other rights and privileges as are reasonably necessary or convenient for the full enjoyment and use of the easement herein granted for the aforesaid purpose.
- b. The granting of this easement neither expressly or impliedly constitutes any payment or the waiver of any obligation for the payment by the Grantor or his successors or assigns of any fee or charge or obligation whatsoever, now due and payable or hereafter to become due and payable to the Grantee or to any person, firm, governmental body, or other corporation whatsoever.
- c. The Grantee will exercise reasonable care to protect the Grantor's property from damage or injury occasioned in the enjoyment of the easement and rights herein granted.

The Grantor further covenants that he has the right to convey the said easement, that the Grantee shall have quiet and peaceful enjoyment and possession of said easement and that the Grantor will execute such further assurance of the said grants and easements herein contained as may be requested by Grantee.

[Remainder of page left intentionally blank]

WITNESS the following signature and seal:

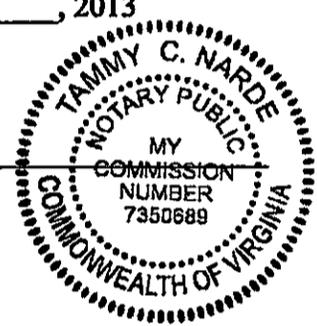
(SEAL) Carol C. Owens  
CAROL C. OWENS

(SEAL) Peter G. Owens  
PETER G. OWENS

COMMONWEALTH OF VIRGINIA  
COUNTY OF JAMES CITY, to wit:

I, the undersigned Notary Public do certify that Carol C. Owens  
whose name is signed to the foregoing, writing, dated April 15 2013,  
has acknowledged the same before me in my jurisdiction aforesaid.

County/City of York GIVEN under my hand this 15 day of April, 2013  
Commonwealth/State of VA  
The foregoing instrument was acknowledged  
before me this 15 day of April  
2013 by  
Carol C. Owens  
(name of person seeking acknowledgement)  
Tammy C. Narde  
Tammy C. Narde, Notary Public ID No. 7350689  
My Commission Expires: 3/31/2014



I, the undersigned Notary Public do certify that Peter G. Owens  
whose name is signed to the foregoing, writing, dated April 15 2013,  
has acknowledged the same before me in my jurisdiction aforesaid.

County/City of York GIVEN under my hand this 15 day of April, 2013  
Commonwealth/State of VA  
The foregoing instrument was acknowledged  
before me this 15 day of April  
2013 by  
Peter G. Owens  
(name of person seeking acknowledgement)  
Tammy C. Narde  
Tammy C. Narde, Notary Public ID No. 7350689  
My Commission Expires: 3/31/14  
My commission expires: 3/31/2014



The form of this Deed of Easement is approved and, pursuant to Resolution of the Board of Supervisors of James City County, Virginia, duly adopted on the 9<sup>th</sup> day of September 2008, this conveyance is hereby accepted on behalf of said County.

Adam R. Kinsman  
Adam R. Kinsman  
County Attorney

4.27.13  
Date

VIRGINIA: CITY OF WILLIAMSBURG & COUNTY OF JAMES CITY  
This document was admitted to record on 05-14-2013  
at 9:29 AM/PM. The taxes imposed by Virginia Code  
Section 58.1-801, 58.1-802 & 58.1-814 have been paid.

STATE TAX	LOCAL TAX	ADDITIONAL TAX
\$ <u>          </u>	\$ <u>          </u>	\$ <u>          </u>

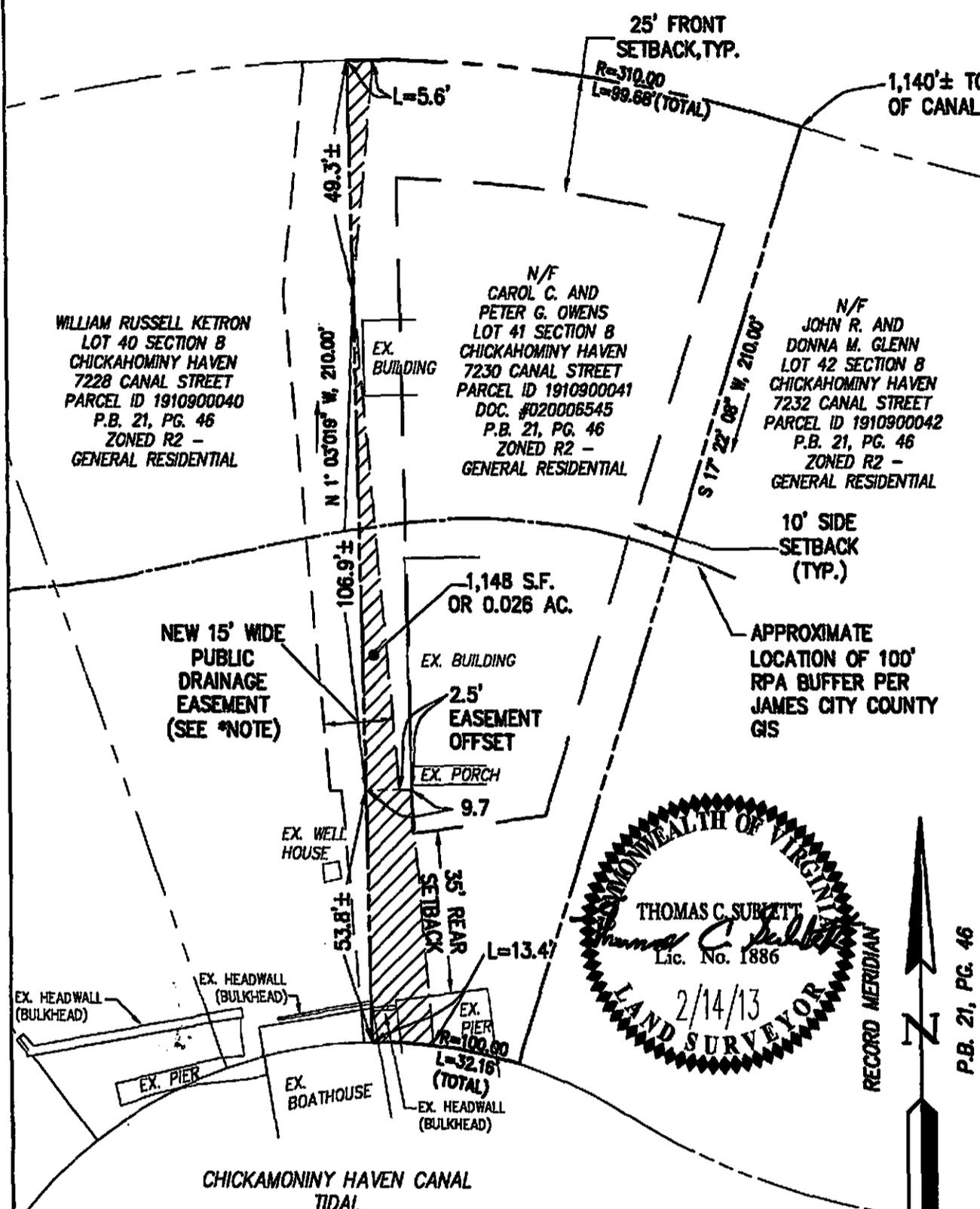
TESTE: BETSY B. WOOLRIDGE, CLERK

BY: Betsy B. Woolridge Clerk

[Remainder of page left intentionally blank]

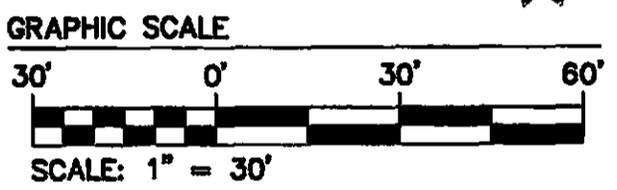
PLAT ATTACHED

CANAL STREET 50' R/W



**///** DENOTES AREA OF 15' WIDE PUBLIC DRAINAGE EASEMENT RESIDING ON LOT.

**\*NOTE:**  
THE COUNTY OF JAMES CITY AND ITS AGENTS AND ASSIGNS ARE GRANTED A NONEXCLUSIVE RIGHT, BUT NOT RESPONSIBILITY, TO MAINTAIN THE PUBLIC DRAINAGE EASEMENT.



15' PUBLIC DRAINAGE EASEMENT  
TO BE DEDICATED  
TO  
**JAMES CITY COUNTY**  
FROM  
**CAROL C. AND PETER G. OWENS**  
POWHATAN DISTRICT JAMES CITY COUNTY VIRGINIA

Project Contacts: LBA	Scale: 1"=30'
Project Number: W10119-E-27	Date: 2/14/13
<b>AES</b>	
CONSULTING ENGINEERS	
Hampton Roads   Central Virginia   Middle Peninsula	
5248 Old Towne Road, Suite 1 Williamsburg, Virginia 23188 Phone: (757) 263-0040 Fax: (757) 220-8984 <a href="http://www.aesva.com">www.aesva.com</a>	

P.B. 21, PG. 46

Environmental Division  
JUL 23 2013



**STORMWATER SYSTEM**  
**Stormwater Management/BMP Facilities**  
**Record Drawing and Construction Certification Forms**

RECEIVED

*(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: Chickahomony Haven (Canal Street)  
Structure/BMP Name: \_\_\_\_\_  
Project Location: 7226 and 7228 Canal Street  
BMP Location: \_\_\_\_\_  
County Plan No.: E&S -004-13

Project Type:  Residential  Business Tax Map/Parcel No.: 1910900039 and 40  
 Commercial  Office BMP ID Code (if known): \_\_\_\_\_  
 Institutional  Industrial Zoning District: R2 - General Residential  
 Public  Roadway Land Use: \_\_\_\_\_  
 Other \_\_\_\_\_ Site Area (sf or acres): \_\_\_\_\_

Brief Description of Stormwater Management/BMP Facility: \_\_\_\_\_  
Replacement of the existing clogged 18" storm drain pipe with new 18' storm drain and a concrete structure.  
\_\_\_\_\_  
\_\_\_\_\_

Nearest Visible Landmark to SWM/BMP Facility: 0.36 miles from intersection of Canal Street and South Riverside Drive

Nearest Vertical Ground Control (if known):  
 JCC Geodetic Ground Control  USGS  Temporary  Arbitrary  Other  
Station Number or Name: \_\_\_\_\_  
Datum or Reference Elevation: 6.32  
Control Description: Nail set in power pole in front of Lot 39  
Control Location from Subject Facility: \_\_\_\_\_  
7226 Canal Street

**STORMWATER SYSTEM**

**Stormwater Management/BMP Facilities  
Record Drawing and Construction Certification Forms**

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

Pre-Construction Meeting Held for Construction of SWM/BMP Facility:  Yes  No  Unknown  
Approx. Construction Start Date for SWM/BMP Facility: 6/4/2013  
Facility Monitored by County Representative during Construction:  Yes  No  Unknown  
Name of Site Work Contractor Who Constructed Facility: Toano Contractors, Inc.  
Name of Professional Firm Who Routinely Monitored Construction: AES Consulting Engineers  
Date of Completion for SWM/BMP Facility: 6/24/2013  
Date of Record Drawing/Construction Certification Submittal: 7/16/2013

*(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 Engineering and Resource Protection 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: James City County Stormwater Division (General Services)  
Mailing Address: 5320 Palmer Lane, Suite 2A  
Williamsburg, Virginia 23188  
Business Phone: (757) 259-1442 Fax: (757) 259-5833  
Contact Person: Darryl Cook, PE 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, Virginia 23188  
Business Phone: (757) 253-0040  
Fax: (757) 220-8994  
Responsible Plan Preparer: V. Marc Bennett, P.E.  
Title: \_\_\_\_\_  
Plan Name: Chickahominy Haven Canal Street Stormwater Replacement/Improvements  
Firm's Project No. W10119-E-27  
Plan Date: 1/29/13  
Sheet No.'s Applicable to SWM/BMP Facility: R-01 / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

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

Firm Name: Toano Contractors, Inc.  
Mailing Address: 8589 Richmond Rd  
Toano, Virginia 23168  
Business Phone: (757) 566-0097

Fax: (757) 566-8874  
Contact Person: Randy Taylor  
Site Foreman/Supervisor: Randy Taylor  
Specialty Subcontractors and 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, Suite 1  
Williamsburg, Virginia 23188  
Business Phone: (757) 253-0040  
Fax: (757) 220-8994  
Name: Thomas C. Sublett  
Title: Survey Manager  
Signature: \_\_\_\_\_  
Date: 07-18-2013

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 to the provisions of the approved design plan, specifications design, and stormwater management plan, except as specifically noted.

*stormwater system*

(Seal)

Virginia Registered Professional Engineer or Certified Land Surveyor

**Construction Certification**

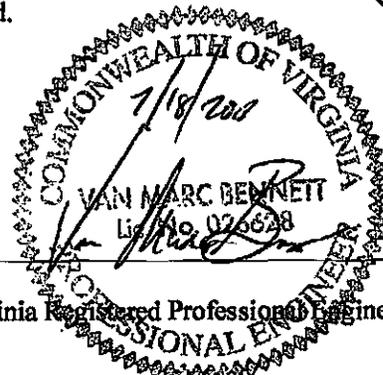
Firm Name: AES Consulting Engineers  
Mailing Address: 5248 Olde Towne Rd Suite 1  
Williamsburg, Virginia 23188  
Business Phone: (757) 253-0040  
Fax: (757) 220-8994  
Name: V. Marc Bennett, P.E.  
Title: Senior Project Manager  
Signature: *V. Marc Bennett*  
Date: 07-18-2013

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 plan, specifications, and stormwater management plan, except as specifically noted.

*stormwater system*

(Seal)

Virginia Registered Professional Engineer





Project Name: JCC Canal St Stormwater Repair  
 Location: 7226/7228 Canal St  
 Project Number: EES 00A-13  
 Date of Inspection: 6/20/13  
 Inspector(s): JCreech

Closed Storm Drain System Construction Inspection Checklist				
Development Status (Active, Inactive, ): _____				
Stage of Construction Installation, etc): _____				
Item		X		Comments
1. Type of closed pipe system				
a. Round		✓		
b. Elliptical				
2. Type of pipe material				
a. Reinforced concrete pipe (RCP)				
b. HPDE		✓		
d. Other				
<b>B. Site Preparation</b>				
S = Satisfactory U = Unsatisfactory N/A = Not Applicable				
Item	S	U	N/A	Comments
1. Pipe and structures delivered and inspected prior to construction	✓			
a. Inspect for material, diameter, dimensions and condition	✓			
<b>C. Excavation/Grading</b>				
S = Satisfactory U = Unsatisfactory N/A = Not Applicable				
Item	S	U	N/A	Comments
1. Excavation and grading conform to plans	✓			
a. Trench bottom shaped to permit barrel of pipe to be in direct contact with soil or bedding				
b. Areas excavated below established grade shall be backfilled with VDOT #25 or 26 aggregate (unless water is encountered - then #57 aggregate shall be used).				used #57
2. All earthwork shall be in conformance with VDOT Standard and Specification #303				
<b>D. Installation</b>				
S = Satisfactory U = Unsatisfactory N/A = Not Applicable				
Item	S	U	N/A	Comments
1. Bedding per VDOT 302.03(a)2(b)				
a. Material shall be VDOT #25 or #26 aggregate or as specified on the approved plans (unless water is encountered - then #57 aggregate shall be used).				
b. Shall be lightly compacted and shaped so pipe is in full contact with bedding				
c. Shall be shaped to accommodate the bell when bell and spigot pipe is used				
2. Placing Pipe per VDOT 302.03(a)2c				
a. Pipe shall be placed beginning at downstream end with bell or groove ends of rigid pipe facing upstream		✓		





**STORMWATER SYSTEM**  
**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: Chickahomony Haven (Canal Street)  
 Structure/BMP Name: \_\_\_\_\_  
 Project Location: 7226 and 7228 Canal Street  
 BMP Location: \_\_\_\_\_  
 County Plan No.: E&S -004-13

Project Type:  Residential  Business Tax Map/Parcel No.: 1910900039 and 40  
 Commercial  Office BMP ID Code (if known): \_\_\_\_\_  
 Institutional  Industrial Zoning District: R2 - General Residential  
 Public  Roadway Land Use: \_\_\_\_\_  
 Other Site Area (sf or acres): \_\_\_\_\_

Brief Description of Stormwater Management/BMP Facility: \_\_\_\_\_  
Replacement of the existing clogged 18" storm drain pipe with new 18' storm drain and a concrete structure.

Nearest Visible Landmark to SWM/BMP Facility: 0.36 miles from intersection of Canal Street and South Riverside Drive

Nearest Vertical Ground Control (if known):

JCC Geodetic Ground Control  USGS  Temporary  Arbitrary  Other

Station Number or Name: \_\_\_\_\_  
 Datum or Reference Elevation: 6.32  
 Control Description: Nail set in power pole in front of Lot 39  
 Control Location from Subject Facility: \_\_\_\_\_  
7226 Canal Street

**STORMWATER SYSTEM**

**Stormwater Management/~~BMP~~ Facilities  
Record Drawing and Construction Certification Forms**

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

Pre-Construction Meeting Held for Construction of SWM/BMP Facility:  Yes  No  Unknown  
 Approx. Construction Start Date for SWM/BMP Facility: 6/4/2013  
 Facility Monitored by County Representative during Construction:  Yes  No  Unknown  
 Name of Site Work Contractor Who Constructed Facility: Toano Contractors, Inc.  
 Name of Professional Firm Who Routinely Monitored Construction: AES Consulting Engineers  
 Date of Completion for SWM/BMP Facility: 6/24/2013  
 Date of Record Drawing/Construction Certification Submittal: 7/16/2013

*(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 Engineering and Resource Protection 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: James City County Stormwater Division (General Services)  
 Mailing Address: 5320 Palmer Lane, Suite 2A  
Williamsburg, Virginia 23188  
 Business Phone: (757) 259-1442 Fax: (757) 259-5833  
 Contact Person: Darryl Cook, PE 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, Virginia 23188  
 Business Phone: (757) 253-0040  
 Fax: (757) 220-8994  
 Responsible Plan Preparer: V. Marc Bennett, P.E.  
 Title: \_\_\_\_\_  
 Plan Name: Chickahominy Haven Canal Street Stormwater Replacement/Improvements  
 Firm's Project No. W10119-E-27  
 Plan Date: 1/29/13  
 Sheet No.'s Applicable to SWM/BMP Facility: R-01 / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

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

Firm Name: Toano Contractors, Inc.  
 Mailing Address: 8589 Richmond Rd  
Toano, Virginia 23168  
 Business Phone: (757) 566-0097

Fax: (757) 566-8874  
 Contact Person: Randy Taylor  
 Site Foreman/Supervisor: Randy Taylor  
 Specialty Subcontractors and Purpose (for BMP Construction Only): \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Section 4 - Professional Certifications:**

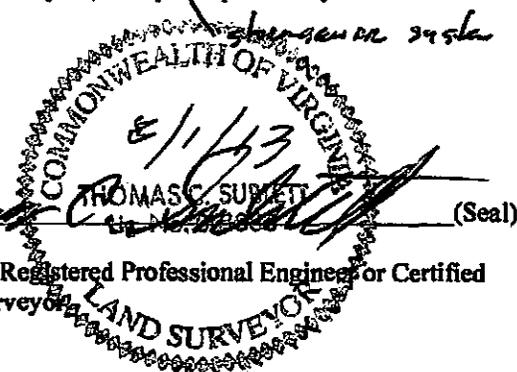
Certifying Professionals: *(Note: A Registered Professional Engineer or Certified Land Surveyor is responsible for preparation of a Record Drawing, sometimes referred to as an As-Built plan, for the drainage system for the project including any Stormwater Management/BMP Facilities. A Registered Professional 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, Suite 1  
Williamsburg, Virginia 23188  
 Business Phone: (757) 253-0040  
 Fax: (757) 220-8994  
 Name: Thomas C. Sublett  
 Title: Survey Manager  
 Signature: \_\_\_\_\_  
 Date: 07-18-2013

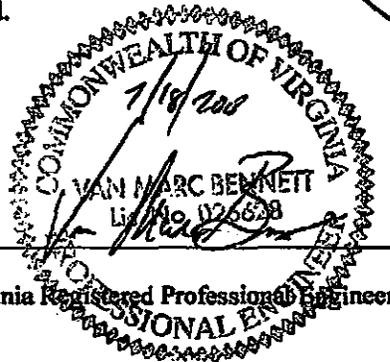
I hereby certify to the best of my knowledge and belief that this record drawing represents the actual condition of the Stormwater Management/BMP facility. The facility appears to conform to the provisions of the approved design plan, specifications design, and stormwater management plan, except as specifically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

*Stormwater System*  
 8/1/13  
  
 (Seal)  
 Virginia Registered Professional Engineer or Certified Land Surveyor

**Construction Certification**

Firm Name: AES Consulting Engineers  
 Mailing Address: 5248 Olde Towne Rd Suite 1  
Williamsburg, Virginia 23188  
 Business Phone: (757) 253-0040  
 Fax: (757) 220-8994  
 Name: V. Marc Bennett, P.E.  
 Title: Senior Project Manager  
 Signature: *V. Marc Bennett*  
 Date: 07-18-2013

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 plan, specifications, and stormwater management plan, except as specifically noted.

*Stormwater System*  
 7/18/2013  
  
 (Seal)  
 Virginia Registered Professional Engineer



**GENERAL NOTES**

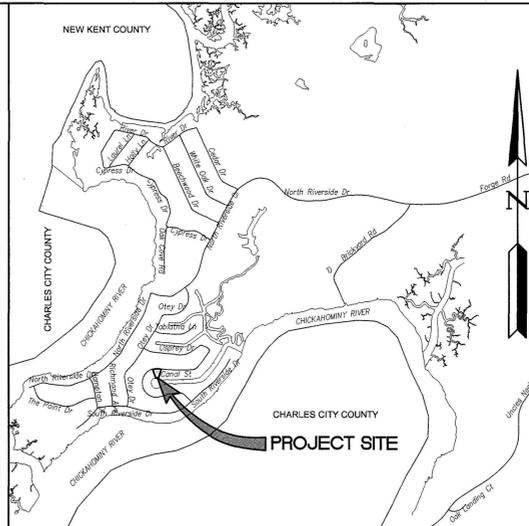
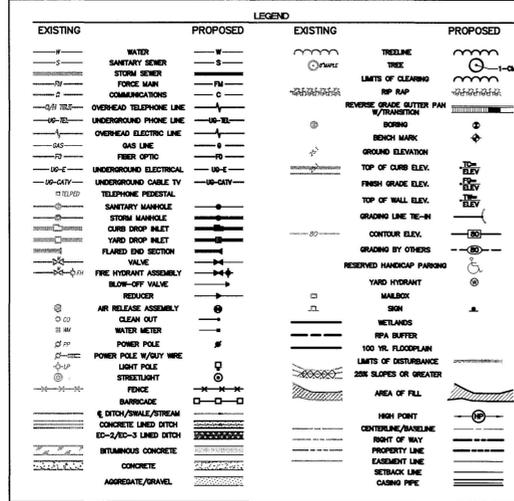
1. SITE IS CURRENTLY ZONED R2 GENERAL RESIDENTIAL
2. SITE ADDRESS: LOT 39 & 40, 7226 & 7228 CANAL STREET  
LOT 41 7230 CANAL STREET  
WILLIAMSBURG, VA 23188
3. TAX MAP PARCEL NO. 1910900039 & 40 (LOTS 39 & 40)  
1910900041 (LOT 41)
4. APPLICANT: JAMES CITY COUNTY STORMWATER DIVISION (GENERAL SERVICES)  
5320 PALMER LANE, SUITE 2A  
WILLIAMSBURG VA. 23188  
  
CONTACT: DARRYL COOK P.E.  
PHONE: (757) 259-1442  
FAX: (757) 259-5833
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING MISS UTILITY (1-800-552-7001) FOR EXISTING UTILITY LOCATIONS PRIOR TO COMMENCING CONSTRUCTION.
6. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED UPON THE FIELD MARKINGS BY "MISS UTILITY", EXISTING UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
7. ALL UTILITIES WILL BE PLACED UNDERGROUND.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR THIS PROJECT, INCLUDING VSMP AND JAMES CITY COUNTY LAND DISTURBING PERMIT.
9. ANY UTILITIES TO BE RELOCATED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE, INCLUDING UTILITIES WITHIN THE RIGHT-OF-WAY.
10. PRIOR TO OBTAINING A LAND DISTURBING PERMIT, THE CONTRACTOR SHALL OBTAIN A VSMP PERMIT (VIRGINIA STORMWATER MANAGEMENT PROGRAM) FROM DCR (DEPARTMENT OF CONSERVATION AND RECREATION).
11. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH HRPDC (FIFTH EDITION) AND VDOT SPECIFICATIONS AND STANDARDS.
12. THIS PROPERTY LIES IN ZONE AE EL. 7.5 (AREAS DETERMINED TO BE IN SPECIAL FLOOD HAZARD AREA SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD) PER F.I.R.M. # 51095C0085C, DATED 09/28/07.

**INDEX OF SHEETS**

- C-01 INITIAL EROSION & SEDIMENT CONTROL - SITE, UTILITY EROSION & SEDIMENT CONTROL PLAN  
C-02 EROSION & SEDIMENT CONTROL NOTES AND DETAILS

**CONSTRUCTION SEQUENCE**

1. PRIOR TO OBTAINING LAND DISTURBING PERMIT, THE CONTRACTOR SHALL OBTAIN A VSMP PERMIT (VIRGINIA STORMWATER MANAGEMENT PROGRAM) FROM DCR (VIRGINIA DEPARTMENT OF CONSERVATION AND RECREATION).
2. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE JAMES CITY COUNTY ENGINEERING AND RESOURCE PROTECTION DIVISION PRIOR TO BEGINNING ANY WORK AT THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING MISS UTILITY (1-800-552-7001) FOR EXISTING UTILITY LOCATIONS PRIOR TO COMMENCING CONSTRUCTION.
4. INSTALL CONSTRUCTION ENTRANCE, SILT FENCE AND CULVERT INLET PROTECTION.
5. REMOVE EXISTING PIPE AS NECESSARY AND ABANDON ANY PIPE LEFT IN PLACE AS PER HRPDC REQUIREMENTS (SEE NOTE 2 THIS SHEET).
6. INSTALL NEW 18" PIPE INTO THROUGH EXISTING BULKHEAD (SEE DETAIL SHEET C-02).
7. INSTALL PIPING SYSTEM AND NEW DROP INLET.
8. UPON COMPLETION OF DRAINAGE SYSTEM, RESTORE SITE.
9. REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES WITHIN THIRTY DAYS OF FINAL SITE STABILIZATION, BUT ONLY AFTER APPROVAL IS OBTAINED FROM THE ASSIGNED JAMES CITY COUNTY ENGINEERING AND RESOURCE PROTECTION DIVISION INSPECTOR.



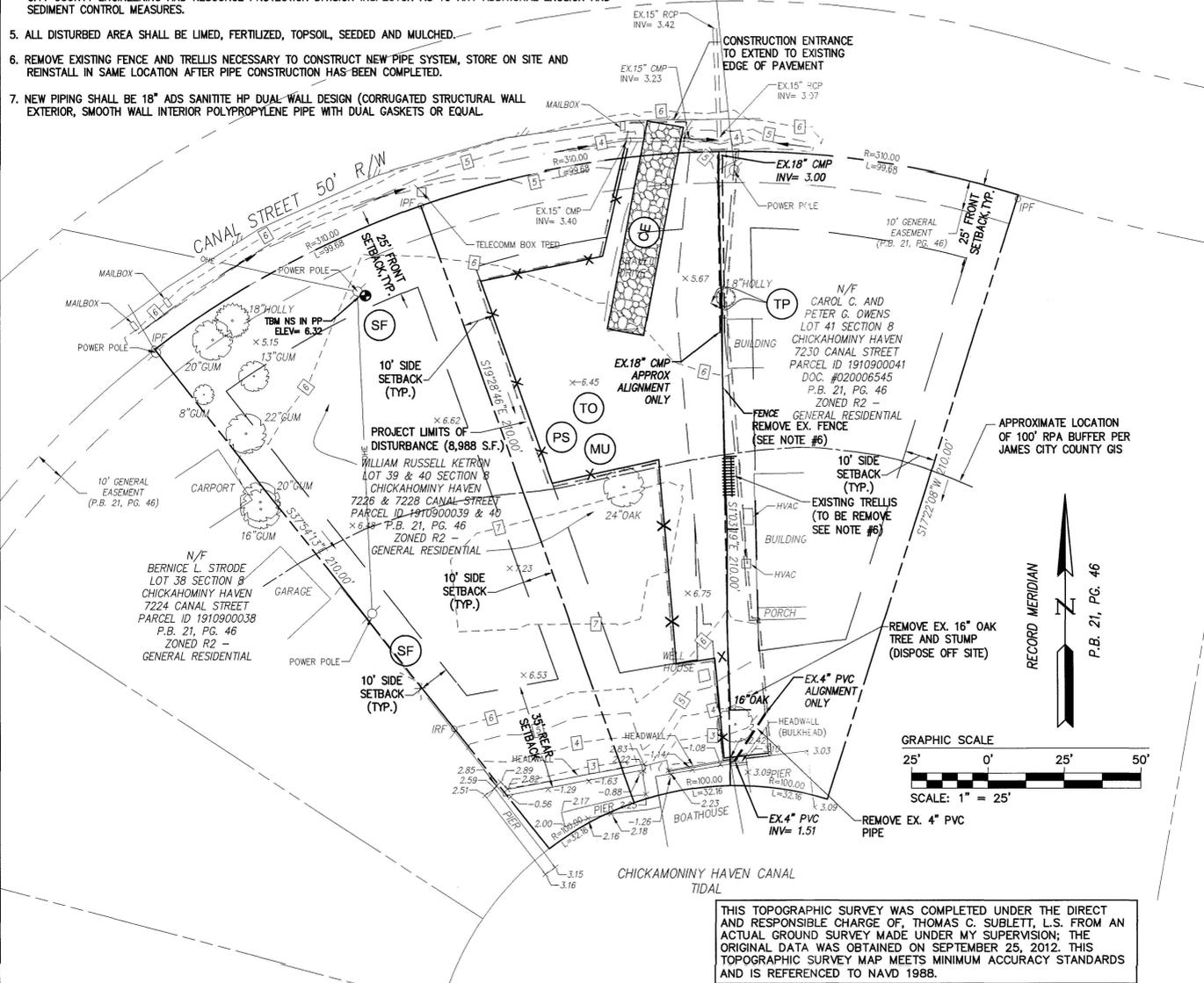
Rev.	Date	Description
2	3/20/13	REVISION PER OWNER
1	2/25/13	REVISION PER JCC COMMENTS

- NOTES:**
1. THE COUNTY OF JAMES CITY AND ITS AGENTS AND ASSIGNS ARE GRANTED A NONEXCLUSIVE RIGHT, BUT NOT RESPONSIBILITY, TO MAINTAIN THE PUBLIC DRAINAGE EASEMENT.
  2. REMOVE EXISTING 18" CMP AND 4" PVC PIPING AS NEEDED TO INSTALL NEW PIPE AND DISPOSE REMOVED PIPES OFF SITE. ANY EXISTING PIPE TO BE ABANDON IN PLACE SHALL BE IN ACCORDANCE WITH HRPDC SECTION 530 WHEN EXISTING PIPE IS NOT IN CONFLICT WITH THE INSTALLATION OF NEW PIPE.
  3. EXCESS EARTHEN MATERIAL FROM THE CONSTRUCTION OF NEW PIPE SYSTEM SHALL BE DISPOSED OFF SITE.
  4. CONTRACTOR TO DETERMINE TOPSOIL STOCKPILE AND LAY DOWN WITHIN THE PRESCRIBED AREA, COORDINATE WITH JAMES CITY COUNTY ENGINEERING AND RESOURCE PROTECTION DIVISION INSPECTOR AS TO ANY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES.
  5. ALL DISTURBED AREA SHALL BE LIMED, FERTILIZED, TOPSOIL, SEEDED AND MULCHED.
  6. REMOVE EXISTING FENCE AND TRELLIS NECESSARY TO CONSTRUCT NEW PIPE SYSTEM, STORE ON SITE AND REINSTALL IN SAME LOCATION AFTER PIPE CONSTRUCTION HAS BEEN COMPLETED.
  7. NEW PIPING SHALL BE 18" ADS SANITTE HP DUAL-WALL DESIGN (CORRUGATED STRUCTURAL WALL EXTERIOR, SMOOTH WALL INTERIOR POLYPROPYLENE PIPE WITH DUAL GASKETS OR EQUAL.

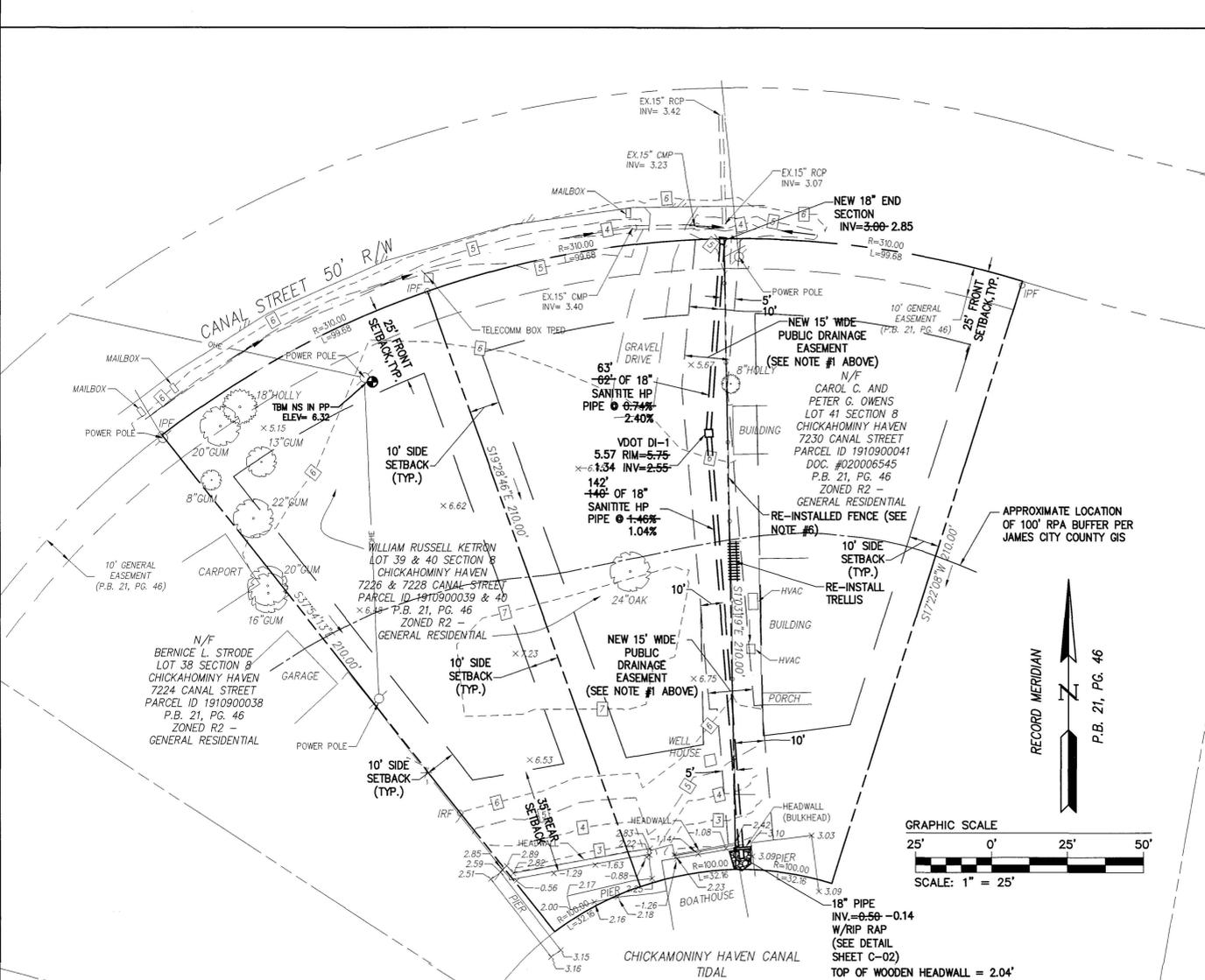
**NOTE:**  
ALL STORMWATER/BMP CONSTRUCTION SHALL BE OBSERVED BY A QUALIFIED LICENSED PROFESSIONAL. PRIOR TO THE RELEASE OF RELATED POSTED BONDS AND SURVEY, RECORD DRAWINGS AND CONSTRUCTION CERTIFICATIONS MUST BE PROVIDED TO, AND APPROVED BY THE JAMES CITY COUNTY ENGINEERING AND RESOURCE PROTECTION DIVISION AND SHALL BE CONSISTENT WITH THE STORMWATER MANAGEMENT/BMP FACILITIES RECORD DRAWINGS AND CONSTRUCTION CERTIFICATION FORMS.

"THE STORM DRAINAGE AS-BUILT LOCATIONS AND GRADES SHOWN ON THESE DRAWINGS, ARE ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF AND I CERTIFY THAT I, OR MY AGENT, HAVE MADE SUFFICIENT INSPECTION TO ENSURE THE ACCURACY OF THIS STATEMENT."

*Thomas C. Sublett* 7/17/13  
THOMAS C. SUBLETT DATE



THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF THOMAS C. SUBLETT, L.S. FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THE ORIGINAL DATA WAS OBTAINED ON SEPTEMBER 25, 2012. THIS TOPOGRAPHIC SURVEY MAP MEETS MINIMUM ACCURACY STANDARDS AND IS REFERENCED TO NAVD 1988.



6545 Old Towne Road, Suite 1  
Williamsburg, Virginia 23188  
Phone: (757) 253-0040  
Fax: (757) 250-0994  
www.abeva.com

**ABEVA**  
CONSULTING ENGINEERS

Hampton Roads | Central Virginia | Middle Peninsula

**CHICKAHOMINY HAVEN  
CANAL STREET  
STORMWATER AS-BUILT  
REPLACEMENT/IMPROVEMENTS**

POWhatan District | JAMES CITY COUNTY | VIRGINIA

Project Contacts: LBA  
Project Number: W10119-E-27  
Scale: 1"=25' Date: 1/29/13  
Sheet Title: INITIAL EROSION & SEDIMENT CONTROL - SITE, UTILITY EROSION & SEDIMENT CONTROL PLAN

Sheet Number  
**R-01**

**GENERAL NOTES**

1. SITE IS CURRENTLY ZONED R2 GENERAL RESIDENTIAL
2. SITE ADDRESS: LOT 39 & 40, 7226 & 7228 CANAL STREET  
LOT 41 7230 CANAL STREET  
WILLIAMSBURG, VA 23188
3. TAX MAP PARCEL NO. 1910900039 & 40 (LOTS 39 & 40)  
1910900041 (LOT 41)
4. APPLICANT: JAMES CITY COUNTY STORMWATER DIVISION (GENERAL SERVICES)  
5320 PALMER LANE, SUITE 2A  
WILLIAMSBURG VA. 23188
- CONTACT: DARRYL COOK P.E.  
PHONE: (757) 259-1442  
FAX: (757) 259-5833
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING MISS UTILITY (1-800-552-7001) FOR EXISTING UTILITY LOCATIONS PRIOR TO COMMENCING CONSTRUCTION.
6. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED UPON THE FIELD MARKINGS BY "MISS UTILITY", EXISTING UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
7. ALL UTILITIES WILL BE PLACED UNDERGROUND.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR THIS PROJECT, INCLUDING VSMP AND JAMES CITY COUNTY LAND DISTURBING PERMIT.
9. ANY UTILITIES TO BE RELOCATED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE, INCLUDING UTILITIES WITHIN THE RIGHT-OF-WAY.
10. PRIOR TO OBTAINING A LAND DISTURBING PERMIT, THE CONTRACTOR SHALL OBTAIN A VSMP PERMIT (VIRGINIA STORMWATER MANAGEMENT PROGRAM) FROM DCR (DEPARTMENT OF CONSERVATION AND RECREATION).
11. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH HRPDC (FIFTH EDITION) AND VDOT SPECIFICATIONS AND STANDARDS.
12. THIS PROPERTY LIES IN ZONE AE L. 7.5 (AREAS DETERMINED TO BE IN SPECIAL FLOOD HAZARD AREA SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD) PER F.I.R.M. # 51095C0085C, DATED 09/28/07.

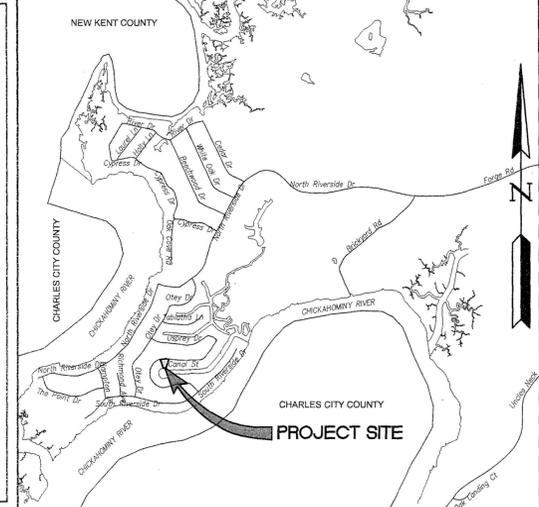
**INDEX OF SHEETS**

C-01	INITIAL EROSION & SEDIMENT CONTROL - SITE, UTILITY EROSION & SEDIMENT CONTROL PLAN
C-02	EROSION & SEDIMENT CONTROL NOTES AND DETAILS

**CONSTRUCTION SEQUENCE**

1. PRIOR TO OBTAINING LAND DISTURBING PERMIT, THE CONTRACTOR SHALL OBTAIN A VSMP PERMIT (VIRGINIA STORMWATER MANAGEMENT PROGRAM) FROM DCR (VIRGINIA DEPARTMENT OF CONSERVATION AND RECREATION).
2. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE JAMES CITY COUNTY ENGINEERING AND RESOURCE PROTECTION DIVISION PRIOR TO BEGINNING ANY WORK AT THE SITE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING MISS UTILITY (1-800-552-7001) FOR EXISTING UTILITY LOCATIONS PRIOR TO COMMENCING CONSTRUCTION.
4. INSTALL CONSTRUCTION ENTRANCE, SILT FENCE AND CULVERT INLET PROTECTION.
5. REMOVE EXISTING PIPE AS NECESSARY AND ABANDON ANY PIPE LEFT IN PLACE AS PER HRPDC REQUIREMENTS (SEE NOTE 2 THIS SHEET).
6. INSTALL NEW 18" PIPE INTO THROUGH EXISTING BULKHEAD (SEE DETAIL SHEET C-02).
7. INSTALL PIPING SYSTEM AND NEW DROP INLET.
8. UPON COMPLETION OF DRAINAGE SYSTEM, RESTORE SITE.
9. REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES WITHIN THIRTY DAYS OF FINAL SITE STABILIZATION, BUT ONLY AFTER APPROVAL IS OBTAINED FROM THE ASSIGNED JAMES CITY COUNTY ENGINEERING AND RESOURCE PROTECTION DIVISION INSPECTOR.

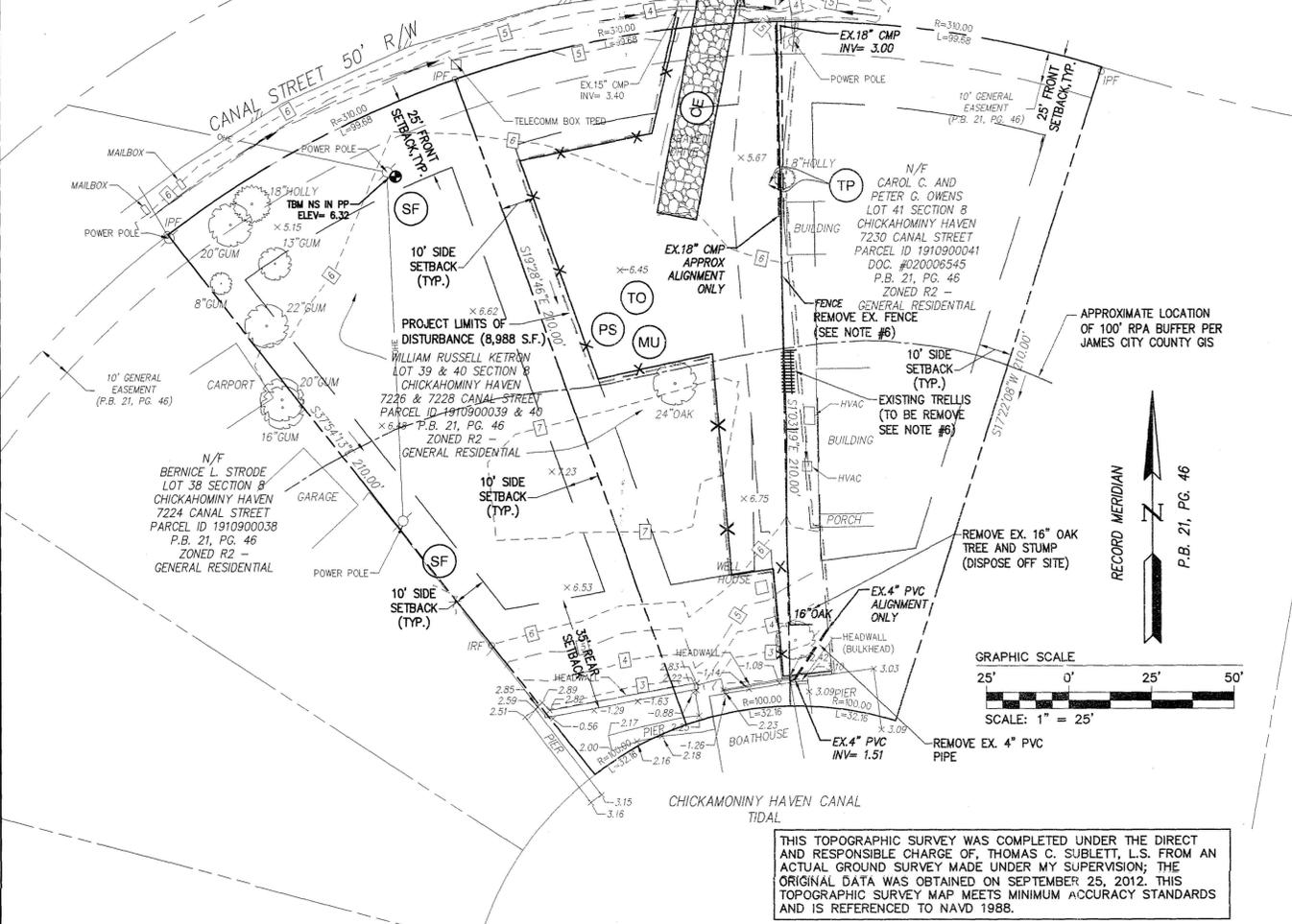
EXISTING	PROPOSED	EXISTING	PROPOSED
WATER	—	TREELINE	—
SANITARY SEWER	—	LIMITS OF CLEARING	—
STORM SEWER	—	TOP OF MAP	—
FORCE MAIN	—	REMOVE GRADE CUTTER PAN	—
COMMUNICATIONS	—	TRANSITION	—
OVERHEAD TELEPHONE LINE	—	BENCH MARK	—
UNDERGROUND PHONE LINE	—	GROUND ELEVATION	—
OVERHEAD ELECTRIC LINE	—	TOP OF CURB ELEV.	—
GAS LINE	—	FRESH GRADE ELEV.	—
FRESH SPRING	—	TOP OF WALL ELEV.	—
UNDERGROUND ELECTRICAL	—	GRADING LINE TO-TO	—
UNDERGROUND CABLE TV	—	CONTOUR ELEV.	—
TELEPHONE PEDISTAL	—	GRADING BY OTHERS	—
SANITARY MANHOLE	—	RESERVED HANDICAP PARKING	—
STORM MANHOLE	—	YARD HYDRANT	—
CURB DROP INLET	—	MALBOX	—
WALL DROP INLET	—	SPIN	—
FLARED END SECTION	—	WETLANDS	—
VALVE	—	RPA BUFFER	—
FIRE HYDRANT ASSEMBLY	—	100' YR FLOODPLAIN	—
BLOW-OFF VALVE	—	LIMITS OF DISTURBANCE	—
REDUCER	—	25% SLOPES OR GREATER	—
MR RELEASE ASSEMBLY	—	AREA OF FILL	—
CLEAN OUT	—	HIGH POINT	—
WATER METER	—	CENTRAL/BASELINE	—
POWER POLE	—	RIGHT OF WAY	—
POWER POLE W/OUT WIRE	—	PROPERTY LINE	—
LIGHT POLE	—	EXISTING LINE	—
STREETLIGHT	—	SETBACK LINE	—
FENCE	—	CASING PIPE	—
BARRICADE	—		
STITCH/DRAWN/STITCH	—		
CONCRETE LINED DITCH	—		
ED-2/ED-3 LINED DITCH	—		
STANDARD CONCRETE	—		
CONCRETE	—		
ASPHALTE/PAVEL	—		



Rev.	Date	Description
1	12/25/13	REVISION PER OWNER
2	3/20/13	REVISION PER OWNER

- NOTES:**
1. THE COUNTY OF JAMES CITY AND ITS AGENTS AND ASSIGNS ARE GRANTED A NONEXCLUSIVE RIGHT, BUT NOT RESPONSIBILITY, TO MAINTAIN THE PUBLIC DRAINAGE EASEMENT.
  2. REMOVE EXISTING 18" CMP AND 4" PVC PIPING AS NEEDED TO INSTALL NEW PIPE AND DISPOSE REMOVED PIPES OFF SITE. ANY EXISTING PIPE TO BE ABANDON IN PLACE SHALL BE IN ACCORDANCE WITH HRPDC SECTION 530 WHEN EXISTING PIPE IS NOT IN CONFLICT WITH THE INSTALLATION OF NEW PIPE.
  3. EXCESS EARTHEN MATERIAL FROM THE CONSTRUCTION OF NEW PIPE SYSTEM SHALL BE DISPOSED OFF SITE.
  4. CONTRACTOR TO DETERMINE TOPSOIL STOCKPILE AND LAY DOWN WITHIN THE PRESCRIBED AREA, COORDINATE WITH JAMES CITY COUNTY ENGINEERING AND RESOURCE PROTECTION DIVISION INSPECTOR AS TO ANY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES.
  5. ALL DISTURBED AREA SHALL BE LIMED, FERTILIZED, TOPSOIL, SEEDED AND MULCHED.
  6. REMOVE EXISTING FENCE AND TRELLIS NECESSARY TO CONSTRUCT NEW PIPE SYSTEM, STORE ON SITE AND REINSTALL IN SAME LOCATION AFTER PIPE CONSTRUCTION HAS BEEN COMPLETED.
  7. NEW PIPING SHALL BE 18" ADS SANITITE HP DUAL-WALL DESIGN (CORRUGATED STRUCTURAL WALL EXTERIOR, SMOOTH WALL INTERIOR POLYPROPYLENE PIPE WITH DUAL GASKETS OR EQUAL.

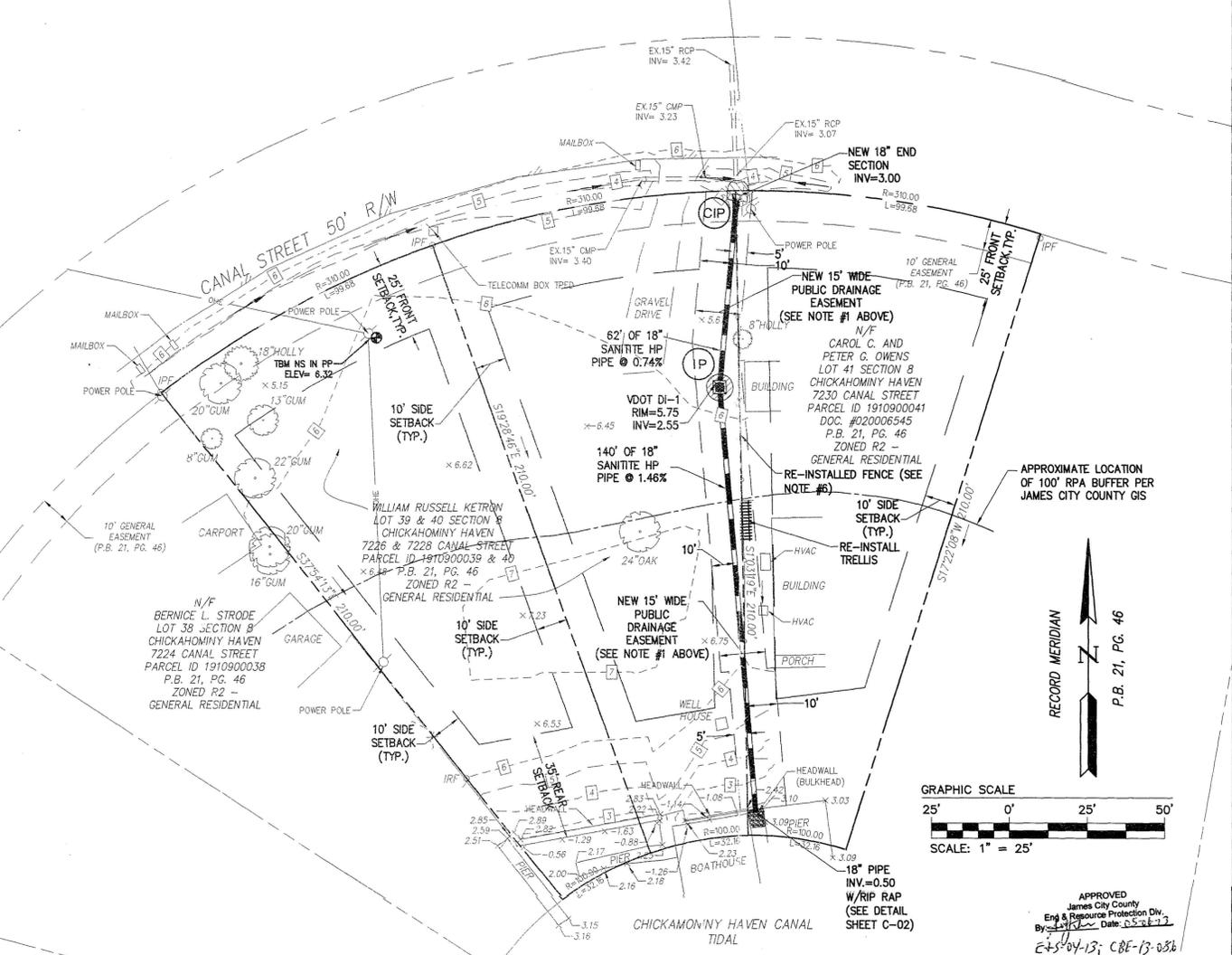
**NOTE:**  
ALL STORMWATER/BMP CONSTRUCTION SHALL BE OBSERVED BY A QUALIFIED LICENSED PROFESSIONAL PRIOR TO THE RELEASE OF RELATED POSTED BONDS AND SURVEY, RECORD DRAWINGS AND CONSTRUCTION CERTIFICATIONS MUST BE PROVIDED TO, AND APPROVED BY THE JAMES CITY COUNTY ENGINEERING AND RESOURCE PROTECTION DIVISION AND SHALL BE CONSISTENT WITH THE STORMWATER MANAGEMENT/BMP FACILITIES RECORD DRAWINGS AND CONSTRUCTION CERTIFICATION FORMS.



THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF, THOMAS C. SUBLETT, L.S. FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THE ORIGINAL DATA WAS OBTAINED ON SEPTEMBER 25, 2012. THIS TOPOGRAPHIC SURVEY MAP MEETS MINIMUM ACCURACY STANDARDS AND IS REFERENCED TO NAVD 1988.

**SOIL CHARACTERISTICS**

SOIL#	SOIL NAME	HYDROLOGIC GROUP	PROJECT AREA ENVIRONMENTAL INVENTORY
28	CRAVEN	C	TIDAL WETLANDS: TIDAL SHORES: NON-TIDAL WETLANDS IN RPA: RESOURCE PROTECTION AREAS: NON-TIDAL WETLANDS IN RMA: HYDROIC SOILS: FLOODPLAIN: SLOPES 25% OR GREATER AREA OF DISTURBANCE
			IMPACTS: NONE NONE NOT IMPACTED 0.05 AC. NOT IMPACTED NOT IMPACTED AE NONE 8,988 S.F., 0.21 AC.



6248 Old Towne Road, Suite 118  
Williamsburg, Virginia 23188  
Phone: (757) 220-8800  
Fax: (757) 220-8894  
www.ahs.com

**AHS**  
CONSULTING ENGINEERS

Hampton Roads | Central Virginia | Middle Peninsula

CHICKAHOMINY HAVEN  
CANAL STREET  
STORMWATER  
REPLACEMENT/IMPROVEMENTS

POWHEATAN DISTRICT | JAMES CITY COUNTY | VIRGINIA

Project Contacts: LBA  
Project Number: W10119-E-27  
Scale: 1"=25'  
Date: 1/29/13

Sheet Title:  
INITIAL EROSION & SEDIMENT CONTROL - SITE, UTILITY EROSION & SEDIMENT CONTROL PLAN

Sheet Number  
**C-01**

EES-004-13



8/29/13

Please replace the  
RD/CC supplied with  
the JC Canal Street  
Stream Replacement Project  
file sent to your division  
on 8/28/13.

Thank you  
TCrack

①