

6.4

Form No. 2

August 21, 2013

Division of Engineering  
City of Columbia  
Columbia, South Carolina

Gentlemen:

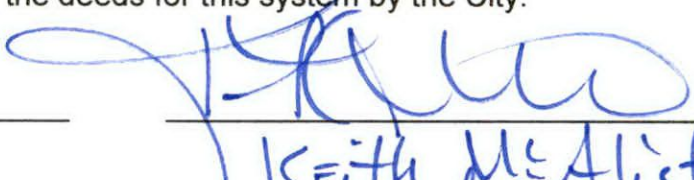
I certify that the described water mains, valves, and appurtenances have been installed in accordance with approved plans and specifications and request that the Utilities and Engineering Department approve and accept this installation.

The work to be accepted under this request is for Dutch Fork High School Renovations and Additions and is more particularly described as being located at 1400 Old Tamah Road, in Richland County.

I further certify that all outstanding encumbrances associated with these installations have been satisfied and that the above described work is free of all liens.

This request includes permission for City employees and equipment to enter upon the property described hereon for the purpose of doing any maintenance and repairs deemed necessary to protect the operational integrity of the system. It is understood and agreed that I will be billed, and pay for any maintenance/repairs required prior to final acceptance of the deeds for this system by the City.

8-21-13  
Date

  
Keith McAlister  
Owner's Representative

APPROVED ENGINEER DIVISION:

\_\_\_\_\_  
Inspector

\_\_\_\_\_  
Date

\_\_\_\_\_  
City Engineer

\_\_\_\_\_  
Date

**VENDOR:** 196500  
 CITY OF COLUMBIA  
 WATER COL DIV  
 PO BOX 7997  
 COLUMBIA SC 29202-7997

**PURCHASE ORDER**

Page 1

**PURCHASE ORDER NO: 164401**  
 NET 30 DAYS

OUR PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, PACKAGES AND CORRESPONDENCE.

**SEND ALL INVOICES FOR PAYMENT TO:**

Accounts Payable  
 School District Five of  
 Lexington and Richland Counties  
 1020 Dutch Fork Road  
 Irmo, South Carolina 29063

**SHIP TO:**

DUTCH FORK HIGH SCHOOL  
 1400 OLD TAMAH ROAD  
 IRMO SC 29063

803-476-3300  
 KEITH MCALISTER

ORDER DATE: Oct 01, 2014

QUANTITY/UNIT	CATALOG NUM.	DESCRIPTION	UNIT PRICE	TOTAL
1		DFHS - 2" IRRIGATION METER	7,040.00	7,040.00

Sub Total 7,040.00  
 Sales Tax 0.00  
**TOTAL \$7,040.00**

**ACCOUNT DISTRIBUTION DETAILS**

REV	APPRV	ACCOUNT NUMBER	AMOUNT	REV	APPRV	ACCOUNT NUMBER	AMOUNT	REV	APPRV	ACCOUNT NUMBER	AMOUNT
AKM	CDR	535-253-520-1000-27	\$7,040.00								

*Bruce Shear*

Signature



October 02, 2014

Date

**VENDOR**

**INSTRUCTIONS:**

- 1. Order is to be shipped in accordance with prices, delivery, and specifications shown below.**
- 2. Notify us immediately if you are unable to ship as specified.**
- 3. Visitors are prohibited from using tobacco on District property.**

\*PO\* 535-253-520-1000-27



8/28/2014

(DATE)

Michelle Garner

(QUOTE CREATED BY)

Dutch Fork High School

(PROJECT)

Old Tamah Rd.

(LOCATION)

(CITY FILE #)

METER SIZE: 2" IRRIGATION METER tap is existng

\$7,040.00

PROTECTUS-TYPE METER

\*OWNER MUST CHOOSE FROM APPROVED LARGE METER CONTRACTOR LIST FOR METER INSTALLATION

\*OWNER IS RESPONSIBLE FOR THE INSTALLATION OF THE BACKFLOW PREVENTOR AND METER VAULT.

\*Upon payment and application must tell Engineering which contractor has been chosen.

MAIN LINE TAPS:

TAP	_____	X	_____	@	_____
TAP	_____	X	_____	@	_____
TAP	_____	X	_____	@	_____
TAP	_____	X	_____	@	_____

FIRE HYDRANT INSTALLATION FEE: \_\_\_\_\_

SEWER TAP \_\_\_\_\_

REQUIREMENTS:

	YES	NO
COVENANT REQUIRED ?	_____	_____
EMAIL SUSAN/TORI/ANGELA once the covenant is executed	_____	_____
CONTIGUOUS TO CITY LIMITS?	_____	_____
* IF YES COVENANT FOR CONTIGUOUS PROPERTIES OR PETITION FOR ANNEXATION REQUIRED	_____	_____
PTO REQUIRED?	_____	_____
- WATER	_____	_____
- SEWER	_____	_____
STORM DRAINAGE CERT. REQUIRED?	_____	_____
FIRE HYDRANT INSTALLED? BY:	_____	_____
- CITY AT DEVELOPER'S EXPENSE	_____	_____
- CITY AT NO CHARGE	_____	_____
AGREEMENT TO COMPLY?	_____	_____
ENCROACHMENT REQUIRED? BY:	_____	_____
- CITY	_____	_____
- ENGINEER	_____	_____
NEED SIGNED GREASE TRAP LETTER?	_____	_____
RECORD DWG(S)?	_____	_____
DEED(S) TO LINE(S)?	_____	_____
EASEMENT(S) REQUIRED ?	_____	_____
SQUARE FOOTAGE OF BUILDING?	_____	_____
RATE TYPE FOR FIRE CHARGES	_____	_____
SMALL BUSINESS (1000 SQ FT AND UNDER)	_____	_____
COMMERCIAL (1000 - 10,000 SQ FT)	_____	_____
HEAVY COMMERCIAL (10,500 SQ FT AND UP)	_____	_____

CHECK WITH INSPECTOR and WITH SUSAN:

NUMBER OF UNITS PER METER (BUILDING) \_\_\_\_\_

NOTES:

req # 200754 (10/1/14 TJC)

apprd 10/1/14

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[Redacted area]

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[Redacted area]

Handwritten text in blue ink, possibly a name or signature.

SCHOOL DISTRICT FIVE OF LEXINGTON  
AND RICHLAND COUNTIES

DISTRICT PRO FORMA INVOICE

Special Instructions:

Return to Mandy Addy  Mail Check  
OR  Return to School  
Tracie Covey  Separate Check  
 Hold for Pick-Up

PO #

164401

Date

10/3/2014

Payee

City of Columbia

Address

Water Division

Purpose

DFHS - 2" Irrigation Meter

Amount

\$ 7,040.00

Requested by  
(optional)

Keith McAlister, Tracie Covey

Administrative Authorization  
(REQUIRED)

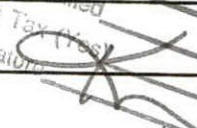


**THIS FORM IS TO BE USED WHEN AN INVOICE IS NOT AVAILABLE.**

It should be used for honorariums, memorials and services provided to the district by non-employees or agencies that do not provide invoices.

\*THIS FORM SHOULD NOT BE USED FOR AUTHORS/GUEST SPEAKERS - they should provide an invoice or statement of services to be provided (includes fee/amount).

**A PURCHASE ORDER IS REQUIRED WITH THE USE OF THIS FORM.**

Budget No. 535-253-530-1000-27  
PO No. 164401  
Complete or Partial Date 10/3/14  
Prices Verified COMPLETE  
Math Verified  
Use Tax (Yes)  
Signature  (No)

SCHOOL DISTRICT FIVE OF LEXINGTON  
AND RICHLAND COUNTIES

DISTRICT PRO FORMA INVOICE

Special Instructions:

- Please return to MANDY HITE
- Mail Check
  - Return to School
  - Separate Check
  - Hold for Pick-Up

PO # 156693 447399  
Date 12/12/2013  
Payee City of Columbia  
Address \_\_\_\_\_

Purpose DFHS Additions/Renovations  
water meters

RECEIVED  
DEC 13 2013  
OFFICE OF FINANCE

Amount \$ 10,554.00  
Requested by T. Covey / K. McAlister  
Administrative Authorization (REQUIRED) \_\_\_\_\_

Budget No. 535-253-520-1000-27  
PO No. 156693 Date 12/12/13  
Complete or Partial COMPLETE  
Price Verified \_\_\_\_\_  
Math Verified \_\_\_\_\_  
Use Tax (Yes) \_\_\_\_\_ (No) \_\_\_\_\_  
Signature \_\_\_\_\_

**THIS FORM IS TO BE USED WHEN AN INVOICE IS NOT AVAILABLE.**

It should be used for honorariums, memorials and services provided to the district by non employees or agencies that do not provide invoices.

\*THIS FORM SHOULD NOT BE USED FOR AUTHORS/GUEST SPEAKERS - they should provide an invoice or statement of services to be provided (includes fee/amount).

**A PURCHASE ORDER IS REQUIRED WITH THE USE OF THIS FORM.**



9/18/2012  
 (DATE)  
 SHEREKA C. JOHNSON  
 (QUOTE CREATED BY)  
 DUTCH FORK HIGH SCHOOL  
 (PROJECT)  
 OLD TAMAH ROAD  
 (LOCATION)  
 187-02C  
 (CITY FILE #)

192815 MH  
 12-10-13  
 apprd  
 12/10/13  
 AP

TOTAL = \$10554.00

FEES:	
METER SIZE:	1" TAP & METER INSTALLED BY COC FORCES (x2)
	4" PROTECTUS METER INSTALLED BY APPROVED CONTRACTOR \$3,181.00
	6" PROTECTUS METER INSTALLED BY APPROVED CONTRACTOR \$4,210.00

**PROTECTUS-TYPE METER**

- \*OWNER MUST CHOOSE FROM APPROVED LARGE METER CONTRACTOR LIST FOR METER INSTALLATION
- \*OWNER IS RESPONSIBLE FOR THE INSTALLATION OF THE BACKFLOW PREVENTOR AND METER VAULT.
- \*Upon payment and application must tell Engineering which contractor has been chosen.

**MAIN LINE TAPS:**

TAP		X		@	
TAP	8		8		OLD TAMAH RD \$3183.00
TAP		X		@	
TAP		X		@	
TAP		X		@	

**FIRE HYDRANT INSTALLATION FEE:**

**SEWER TAP**

RICHLAND COUNTY

**REQUIREMENTS:**

	YES	NO	
COVENANT REQUIRED ?	X		TMS# 03500-04-021
EMAIL SUSAN/TORI/ANGELA once the covenant is executed			RICHLAND CO
CONTIGUOUS TO CITY LIMITS?		X	
* IF YES COVENANT FOR CONTIGUOUS PROPERTIES OR PETITION FOR ANNEXATION REQUIRED			
PTO REQUIRED?			
- WATER	X		
- SEWER		X	
STORM DRAINAGE CERT. REQUIRED?		X	
FIRE HYDRANT INSTALLED? BY:			
- CITY AT DEVELOPER'S EXPENSE	X		
- CITY AT NO CHARGE		X	
AGREEMENT TO COMPLY?	X		
ENCROACHMENT REQUIRED? BY:			
- CITY		X	MAIN ON SITE
- ENGINEER		X	
NEED SIGNED GREASE TRAP LETTER?		X	
RECORD DWG(S)?	X		
DEED(S) TO LINE(S)?	X		
EASEMENT(S) REQUIRED ?	X		
SQUARE FOOTAGE OF BUILDING?			
RATE TYPE FOR FIRE CHARGES	N/A		SMALL BUSINESS (1000 SQ FT AND UNDER)
	N/A		COMMERCIAL (1000 - 10,000 SQ FT)
	N/A		HEAVY COMMERCIAL (10,500 SQ FT AND UP)
CHECK WITH INSPECTOR and WITH SUSAN:			

NOTES: The owner has decided not to purchase the 1" meters, as they will not be needed.  
 Cw 12/9/13

3,181.00+  
 4,210.00+  
 3,183.00-  
 10,574.00

\*PO\* 535-253-520-1000-27  
 DFHS - Water Meters



Tracie Covey <tcovey@lexrich5.org>

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**wd: Copy of 187-02C\_DUTCH FORK HS\_OLD TAMAH RD\_QUOTE revised at owner's request (3).xls**

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Chris Farr <cfarr@ccorpusa.com>

Tue, Dec 10, 2013 at 11:09 AM

cc: Keith McAlister <kmcalist@lex5.k12.sc.us>, Tracie Covey <tcovey@lexrich5.org>

cc: Chris Whitley <cwhitley@ccorpusa.com>

Keith & Tracie-

The City's quote for the Dutch Fork water meters is attached. The total is \$10,554.00. These are the meters in the original work scope at Dutch Fork, not to be confused with the meters previously paid for that John Stickney & David Shealy are installing on the site. Please generate a PO for this & let me know if I need to email it to the City or help with processing this. I think Keith had to pay for the last ones in person at the City. We are ready to pick these up from the City and install them as soon as they are paid for.

Keith-

This price includes the savings for deleting the two meters to the press boxes that we discussed last week. The old total was \$17,490.00, for a savings of \$6,900.

Thanks,  
Chris Farr, LEED AP BD+C  
CUMMING | 1213 Lady Street | Columbia, SC 29201  
(803) 760-0250

Begin forwarded message:

From: "Williams, Christopher M" <cmwilliams@columbiasc.net<mailto:cmwilliams@columbiasc.net>>  
Subject: Copy of 187-02C\_DUTCH FORK HS\_OLD TAMAH RD\_QUOTE revised at owner's request (3).xls  
Date: December 9, 2013 2:51:38 PM EST  
To: <cfarr@ccorpusa.com<mailto:cfarr@ccorpusa.com>>

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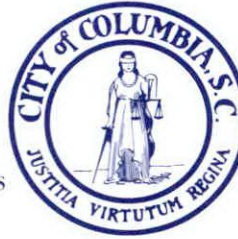
**2 attachments**

 **Copy of 187-02C\_DUTCH FORK HS\_OLD TAMAH RD\_QUOTE revised at owner's request (3).xls**  
68K

 **ATT00001.htm**  
1K

# COLUMBIA

Everybody Counts, Everybody Contributes, Everybody Benefits



October 30, 2013

NEW DESIGN & CONST

NOV 04 2013

RECEIVED

Re: Dutch Fork High School Renovations and Additions; Kevin Eubanks, P.E., Stevens & Wilkinson; Dated August 20, 2013, Last Revised October 25, 2013; DHEC Construction Permit #28630-WS; CF #187-02C

Lexington/Richland School District 5  
C/o Mr. Keith McAlister  
1020 Dutch Fork Road  
Irmo, SC 29063

Dear Mr. McAlister:

The water lines, as shown on record drawings, prepared by Kevin Eubanks, P.E., Stevens & Wilkinson, dated August 20, 2013, last revised October 25, 2013, have been accepted for ownership, operation and maintenance by the City of Columbia.

Also enclosed for your records are copies of the chlorination test, hydrant flow test and pressure test.

Should you have any further questions regarding the above, please feel free to contact me at 545-3400.

Yours very truly,

Suzanne B. Leitner  
Engineering Administration Manager

Enclosures

CC: Kevin Eubanks, P.E., Stevens & Wilkinson (w/enclosures)  
James Johnson, Superintendent, Water Distribution  
Richland County Planning and Development

COPY

CITY OF COLUMBIA  
SOUTH CAROLINA

INTER-OFFICE MEMO

TO: Mr. Michael Levy, Fire Logistics  
FROM: Michael F. Sheu, PE, ACE for Construction Management  
DATE: August 26, 2013  
SUBJECT: Fire Hydrant List – Dutch Fork High School Renovations and Additions;  
City File #187-02C  
INITIAL: *MS* 10-8-13

The following hydrants have been accepted for operation and maintenance by the City:

1. Located in front of Health Science Field House

Residual 60, Static 136, GPM 1276

2. Located approximately 120 feet west of proposed concessions building.

Residual 60, Static 136, GPM 1276

3. Located on approximately 100 feet north of proposed concessions building.

Residual 54, Static 114, GPM 1210

These fire hydrants need to be painted and numbered. Please return a copy of this memo with fire hydrant number to me for file.

AMJ/amj

# COLUMBIA WATER PLANT LABORATORY

**WATER MAIN**

**CHLORINATION**

PROJECT NAME & FILE NO.: DUTCH FORK HIGH SCHOOL 187-02C

INSTALLED BY: MITCH POOLE TEL. NO.: 803-600-3191

MAIN SIZE(S) & LENGTH: 8" DIP - 680 LF 6" DIP - 240 LF 4" DIP - 20 LF

CHLORINATION DATE(S): AS INSTALLED

METHOD USED: GRANULAR H.T.H

LOCATION OF SAMPLE POINTS: 1 - HYD. @ REAR OF NEW CONCESSION BLDG.  
2 - 2" STUB-OUT BETWEEN HIGH SCHOOL & STADIUM

SAMPLE PT. NUMBER	Time & DATE COLLECTED	BACTERIA (MF) Coliform		CHLORINE		TURBIDITY
		<del>TOTAL</del> COLIFORM/ P	<del>NON</del> COLIFORM A	TOTAL/	FREE	
#1	10/3/13 9:08	/	A	2.70	0.36	0.46
#2	10/3/13 9:19	/	A	2.52	0.22	0.39
#1	10/4/13 9:48	/	A	2.51	0.15	
#2	10/4/13 9:56	/	A	2.35	0.15	

REQUESTED BY: JIMMY NILES 216-4590 DATE: 9-30-13

SAMPLE DATE(S): 10/1, 10/3 & 10/4/13

DATE APPROVED FOR USE: 10/7/13 BY: B. Faris

DATE AS-BUILT TO FIRE DEPT: \_\_\_\_\_ BY: \_\_\_\_\_

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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**PRESSURE TEST**

Project DUTCH FORK HIGH SCHOOL 187-02C Date 7-24-13  
 Tested By MITCH POOLE 803-600-3191 City Inspector JIMMY NILES  
 Equipment 5 H.P. B&S Gauge/Test Pressure 150/300

TEST NO.	LOCATION		TEST TAP AT LOCATION	TIME		LEAK (gal./hr.)	ALLOW. LEAK (gal./hr.)	PIPE D (ins.)	LINEAL FEET
	FROM LOC.	TO LOC.		FROM	TO				
1	NEW TAP	HYD. @ END OF LINE	MIDDLE HYD.	1100	1300	Ø	Ø	8" DIP	680 <sup>LF</sup>
								6" DIP	240 <sup>LF</sup>
								4" DIP	20 <sup>LF</sup>

COMMENTS

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TEST PASSED AV 940<sup>LF</sup> - DIP

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3 - HYDRANTS

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4 - SERVICES

**PRESSURE TEST**

Project DUTCH FORK H.S. 187-02c -PART 2- Date 8-6-13  
 Tested By MITCH POOLE 800-600-3191 City Inspector TIM SOX  
 Equipment B&S 5HP Gauge/Test Pressure 150/300

TEST NO.	LOCATION		TEST TAP AT LOCATION	TIME		LEAK (gal./hr.)	ALLOW. LEAK (gal./hr.)	PIPE D (ins.)	LINEAL FEET
	FROM LOC.	TO LOC.		FROM	TO				
1	1ST INSTALLED VALVE	NEW 2" TAP	2" STUB-OUT	1000	1200	Ø	Ø	8" DIP	95 LF
								8" C900	110 LF

COMMENTS

TEST PASSED

205 LF PIPE  
1- 2" SERVICE LINE



# CITY OF COLUMBIA

## Department of Utilities and Engineering Division of Engineering

P.O. Box 147 | Columbia, South Carolina 29205

Phone: 803-545-3400 Fax: 803-988-8199

September 4, 2012

Re: **Proposed Water Main Construction Plans  
for Dutch Fork High School Renovations  
and Additions (Old Tama Road); Stevens  
& Wilkinson; Plans Dated July 30, 2012;  
City File #187-02C**

Mr. Keith McAlister  
Lexington / Richland School District 5  
1020 Dutch Fork Road  
Irmo, SC 29063

Dear Mr. McAlister:

The original of this signed statement must be returned to the City, prior to any construction activity for the project. Please retain a copy for your records.

**I HAVE READ THIS APPROVAL LETTER AND I AGREE TO COMPLY WITH THE  
REQUIREMENTS, TERMS AND CONDITIONS CONTAINED THEREIN.**

Keith McAlister

Print Owner/Developer Name

[Handwritten Signature]

Signature of Owner/Developer

9-13-12

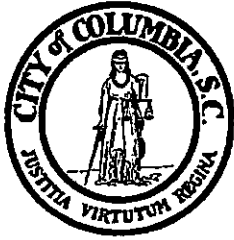
Date

Please return to:

Ms. Tori Salvant  
City of Columbia  
Utilities and Engineering Department  
P.O. Box 147  
Columbia, SC 29217

Should you require additional information, please feel free to contact Ms. Tori Salvant at 545-3296.

DD/dd



# CITY OF COLUMBIA

## Department of Utilities and Engineering

### Division of Engineering

P.O. Box 147 | Columbia, South Carolina 29205

Phone: 803-545-3400 Fax: 803-988-8199

September 4, 2012

Re: Proposed Water Main Construction Plans  
for Dutch Fork High School Renovations  
and Additions (Old Tama Road); Stevens &  
Wilkinson; Plans Dated July 30, 2012; City  
File #187-02C

Mr. Keith McAlister  
Lexington / Richland School District 5  
1020 Dutch Fork Road  
Irmo, SC 29063

SEP 11 2012  
10:07 AM  
LW/MS/12

Dear Mr. McAlister:

The referenced plans received August 30, 2012 have been examined and are approved with the following exceptions and provisions:

1. Service to properties contiguous to the City limits shall not be provided until a Declaration of Covenant for contiguous property, in such form as approved by the City of Columbia Legal Department, has been filed for all contiguous property of the owner in the area and has been properly executed for public recording. The Declaration of Covenant must include, as an exhibit, a current copy of the recorded deed for the property and shall run with the land. Water service to all properties outside of the corporate limits of Columbia is provided subject to approval by Columbia City Council and such rules, regulations and policies as City Council may from time to time establish or amend. Please contact Special Services at 803-545-3400 for more information regarding the Declaration of Covenant.
2. Initial and continued delivery of water service to this property is subject to such ordinances, policies, rules and regulations as the City of Columbia may, from time to time, adopt or amend.
3. All work and materials must conform to City Specifications, latest revision at beginning of construction, and City and County Regulations.
4. The developer must provide the City Engineer forty-eight (48) hours notice, prior to beginning construction. It is requested that this notice be given to Lisa Mills at 545-3292. Once the developer's contractor provides a work notice and the City

confirms all pre-construction requirements have been met (permits, insurance, etc.), the contractor **must** hold an on-site pre-construction conference with the City inspector (Jeff Jeffers) **prior to** performing any work on the project. The purpose of this meeting is to allow the contractor and **inspector** to review the plans and approval letter, as well as discuss concerns either party may have. **This is a mandatory meeting, no exceptions!** The contractor shall call the inspector at 545-3400 to schedule the meeting. The best time to contact the inspector is from 8:00 a.m. - 9:30 a.m.

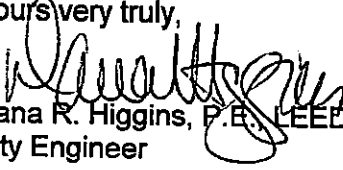
5. The developer through his engineer must provide the project contractor a copy of this approval letter, which must be maintained on the site until construction is completed (permit to operate issued).
6. In the event any of the work related to this project is to be performed within public street or road rights-of-way or in existing City easement by other than City of Columbia forces, indemnification of the City in accordance with **Chapter 11, Article III, Section 11-71** of the City Code is required. Proof of insurance must be provided prior to beginning construction. Should additional information regarding this be required, please contact Ms. Susan Leitner at 545-3250.
7. All grading of areas where water lines are approved for construction must be completed prior to installation of the pipe. If for any reason the grades are changed, thereby reducing the required minimum cover over these lines, the developer shall bear the expense of correcting line depth to that specified by current City Regulations.
8. The developer through his engineer is responsible for conducting final inspections of systems to be deeded to the City for operation and maintenance. Inspections must be coordinated with the Department of Engineering Inspector.
9. The proposed water plans have been submitted to the South Carolina Department of Health and Environmental Control for permitting under the Delegated Review Program.
10. Post Hydrants shall be installed on all dead end water mains greater than 200 feet in length (stubouts excluded).
11. The developer shall be responsible for installation of individual services off of the proposed main(s). The developer/builder shall be responsible for maintaining the accessibility, visibility and functionality of all water service lines and water meter boxes until the water meter is installed by the City of Columbia. If the aforementioned requirements are violated, the developer/builder shall be held responsible for all associated cost for installation of new service connection at his own expense including but not limited to the payment for the new tap fee. The City may require the developer/builder to hire an independent contractor to install a new tap, meter box and associated appurtenances solely at his own cost. The developer must obtain a prior approval from City

- before allowing the contractor to install a tap on the City's active water main. Service will be provided following City acceptance of the water system(s), DHEC granting a permit to operate and the owner's application, execution of Item #1, and payment of appropriate fees.
12. Static pressure will exceed 75 psi at elevations below pipe elevation 409 feet mean sea level. The developer shall be responsible for providing pressure-reducing devices to protect building plumbing systems.
  13. The proposed water mains must be deeded to the City of Columbia prior to final acceptance of the system(s) for operation and maintenance.
  14. The proposed water main(s) must be installed in private easements which must be dedicated exclusively to the City of Columbia. They shall be granted prior to final acceptance for operation and maintenance by the City and prior to the date the final plat for the subdivision is recorded. All easements required by the City must be shown on the record drawings and the final plat. A copy of the final plat must be submitted with the record drawings. The City has experienced tremendous difficulties with destruction of existing water sewer service fixtures. Therefore, if after payment of tap fees, the City of Columbia forces cannot locate the meter box for services, the developer and/or builder and/or owner will be required to pay an additional tap fee to the City of Columbia in order to facilitate a location/repair of existing service fixtures.
  15. For projects being developed under bond, the bonded plat showing all utility easements to be granted to the City of Columbia must be submitted for approval. These easements must be dedicated exclusively to the City prior to final approval of the bonded plat and the selling of individual lots.
  16. All water mains below 409 MSL pipe elevations must be ductile iron pipe.
  17. All water mains within 15 feet of a proposed or existing building structure must be ductile iron pipe.
  18. All water mains 12" and above shall be ductile iron pipe.
  19. The City of Columbia reserves the right to request additional easements as needed for access, ingress, egress, operation, maintenance and repair of the utilities to be conveyed to this City of Columbia for this project.
  20. The water main and/or storm drain shall provide a minimum of 3' separation from each utility's edge of pipe.
  21. **Prior to beginning construction, the attached "Agreement to Comply Form" shall be signed and returned to the City.**

22. Construction plan approval is valid for only three (3) years. In the event improvements have not been completed within that time, plans must be submitted for approval and shall be subject to ordinances and regulations in effect on that date.

Should you require additional information, please feel free to contact Scott Rogers at 545-3243.

Yours very truly,

  
Dana R. Higgins, P.E., LEED A.P.  
City Engineer

DD/dd

cc: David Koon, Deputy Fire Marshall  
Hope Hasty, AICP, CFM, Richland County Land Development Administrator  
Kevin Eubanks, P.E., Stevens & Wilkinson