

City of High Point

*Municipal Office Building
211 South Hamilton Street
High Point, NC 27261*



Meeting Agenda

Monday, December 15, 2008

4:45:00 PM

Council Chambers

Committee of the Whole

*Rebecca R. Smothers, Mayor
William S. Bencini, Mayor Pro Tem
Latimer B. Alexander, IV, Mary Lou Blakeney,
Foster Douglas, John Faircloth, Michael D. Pugh,
Bernita Sims, M. Christopher Whitley*

ROLL CALL, PRAYER, PLEDGE OF ALLEGIANCE**PRESENTATION OF ITEMS****FINANCE COMMITTEE - Council Member Whitley, Chair****Committee Members: Bencini, Douglas, Alexnader****(all were present)***Committee Members - Bencini, Douglas, Alexander***080330****Contract - Bid No. 33 - Power Transformer**

Approval for contract awarding Bid No. 33 for purchase of a Power Transformer. Purchasing and the Electric Department recommends that contract be awarded to Kuhlman Electric Corporation in the amount of \$648,065.00 which is the lowest responsive and responsible bidder meeting specifications.

12/15/2008 Committee of the Whole approved**080331****Contract Extension - Water & Sewer Chemicals**

Approval of extensions to contracts for Water Treatment Chemicals for the Water & Sewer Department based on original contracts awarded by City Council on July 7, 2008.

12/15/2008 Committee of the Whole approved**080332****Engineering Design & Construction Administration for the Kersey Valley Landfill Phase 4**

Consideration and approval for engineering design, bidding and construction administrative services for the construction of Kersey Valley Landfill Expansion, Area 2 - Phase 4, in the amount of \$239,076 to Richardson Smith Gardner & Associates.

12/15/2008 Committee of the Whole approved**080333****Engineering Services Contract - Hazen & Sawyer - Phase 1 Upgrade - Westside WWTP**

Consideration and approval of contract for engineering services related to Phase 1 Upgrade of the Westside WWTP in the amount of \$668,910.00 to Hazen and Sawyer.

12/15/2008 Committee of the Whole approved**080334****Contract - Engineering Services - Environmental Assessment for the Westside WWTP**

Consideration and approval of contract for engineering services related to the Environmental Assessment for the Westside WWTP in the amount of \$255,795.00 to Hazen & Sawyer.

12/15/2008 Committee of the Whole approved

080339 Contract - Triad Center Phase 1 Sewer Improvements - David Martin Powell

Consideration and acceptance of contract for engineering services related to Triad Center Phase 1 Sewer Improvements (Northwest Sewer Improvements Phase 1) with Davis Martin Powell and Associates in the amount of \$145,000.00.

12/15/2008 Committee of the Whole approved

080335 Budget Ordinance Amendment - Defibrillators for Fire Department

Adoption of ordinance amending the 2008-2009 Budget Ordinance to appropriate funds in the amount of \$10,462.00 from Medtronics for four defibrillators purchased by the High Point Fire Department.

12/15/2008 Committee of the Whole adopted

080336 Audit Services Contract Amendment - McGladrey & Pullen

Council is requested to amend the contract for audit services with McGladrey & Pullen for the fiscal year June 30, 2008.

Pending Items**080314 Offer to Purchase Property - 1646 Penny Road - High Point Jaycees**

Council is requested to authorize the City Attorney's office to proceed with the purchase of property located at 1646 Penny Road belonging to the High Point Jaycees in the amount of \$134,500. Property is needed for the construction of an electric substation to help serve the increasing load in the Northwest and to serve as a backup for the substations on Barrow Road and Deep River Road.

12/1/2008 Committee of the Whole referred Finance Committee

12/15/2008 Committee of the Whole approved

PUBLIC SAFETY COMMITTEE - Council Member Faircloth, Chair

Committee Members: Douglas, Pugh and Alexander

(all were present)

Committee Members - Douglas, Pugh, Alexander

080337 Ordinance to Demolish Structure - 1415 W. English Road

Council is requested to adopt an ordinance ordering the housing inspector to effectuate the demolition of a dwelling located at 1415 W. English Road, belonging to L. James Hackenberg.

12/15/2008 Committee of the Whole adopted

080338 Ordinance to Demolish Structure - 1417 W. English Road

Council is requested to adopt an ordinance ordering the housing inspector to effectuate the demolition of a dwelling located at 1417 W. English Road, belonging to L. James Hackenberg.

Pending Items**080300 Ordinance Amendment - Presence of Sex Offenders in City Parks and Recreation Centers**

Council is requested to adopt an amendment to the High Point Code of Ordinances to create a new Section 12-1-15, Article 12, Chapter 1 entitled Presence of Registered Sex Offenders in City parks and City recreation centers prohibited.

080320 Amendment to the Code of Ordinances - Section 12 - "Offenses"

Monday, November 3, 2008 at 5:30 p.m. is the date and time established by City Council to receive public comments on the following changes to the High Point Code of Ordinances:

A new section 12-1-14 - Urinating or Defecating on any public place

Amendment to section 12-1-4 - Possession or consumption of malt beverages and unfortified wine on streets and city property. (this matter was split out, please refer to Matter #090052.

PUBLIC SERVICES COMMITTEE - Council Member Sims, Chair

Committee Members: Blakeney, Faircloth, Whitley and Alexander

(all were present)

There were no matters appearing on tonight's Agenda for consideration by the Public Services Committee.

Committee Members - Blakeney, Faircloth, Whitley, Alexander

PLANNING & DEVELOPMENT COMMITTEE - Council Member Bencini, Chair

Committee Members: Blakeney, Pugh, Sims and Faircloth

(all were present)

Committee Members - Blakeney, Pugh, Sims, Faircloth

080340 Westchester Christian Center - Request for Exception to Sign Regulations

Consideration of a request to replace an existing sign permitted by an exception granted by Council in 2002 with a new sign. The request is filed in accordance with the Development Ordinance regulations regarding Planned Unit Developments, Section 9-4-3(c)(6).

12/15/2008 Committee of the Whole approved

PUBLIC HEARINGS ON ITEMS**080341 Washington Drive District Plan**

A request by the City of High Point for consideration of the Washington Drive District Plan.

12/15/2008 Committee of the Whole approved

ADJOURNMENT

MEMORANDUM

TO: Honorable Mayor and City Council

FROM: Robert L. Robbins, AICP
Development Services Administrator

DATE: December 15, 2008

SUBJECT: Request for Exception to the Sign Regulations as Applied in
the Planned Unit Development District

Applicant: Westchester Christian Center, dba Providence Place

In August of 1998, City Council approved the rezoning of approximately 51 acres at the northeast corner of Westchester Drive and Whittier Avenue (the former Westchester Mall property and various outparcels) to a Conditional Use Planned Unit Development – Mixed (CU-PDM) District. Since that time the site has been redeveloped to a retirement center with several different retirement living options including a skilled nursing facility, along with various retail and service uses and a church. The new development has been generally known as Providence Place.

As part of the review and approval process of a Planned Unit Development, the applicant must prepare a Unified Development Plan (UDP), which is reviewed by the Planning and Zoning Commission and formally approved by the City Council. Included as one element of the UDP is a Common Signage Plan that contains general specifications (size, type, location, design, illumination, number, etc.) for all signs to be placed within the development. These specifications may be as restrictive or more restrictive than the Development Ordinance sign regulations, but may not be less restrictive unless an exception is approved by the City Council (see Section 9-4-3(c)(6)).

Administration
336.883.3328

Planning Services
336.883.3328

Development Services
336.883.3328

Inspection Services
336.883.3151

In June of 2002, the applicant requested and the City Council approved such an exception, which permitted the reuse of a large (190 ± sq.ft.) freestanding monument sign that was originally constructed for the old mall. The location of this sign is on Westchester Drive at the south end of the old mall building, as shown on the attached map. The applicant is now seeking the Council's permission to replace this sign with a new one.

Recently, the applicant has leased space to two major tenants, Cornerstone Health Care and RHA Health Services, Inc. The new sign would identify these and other tenants of Providence Place, at the most appropriate entrance for traffic to access them. Although about one foot taller than the old sign, the new one would contain about half the sign area and would be interior lighted (See attached sign drawing).

The new sign would not be permitted under the provisions of the Development Ordinance because only one freestanding sign is allowed per frontage, and there is an existing freestanding sign located at the northernmost entrance to the development. This sign contains a nonconforming LED programmable panel that the applicant has offered to cease use of and replace with a stationary panel for the First Wesleyan Church, in consideration of this request.

The applicant is also planning to erect interior directional signage to guide on-site traffic and place large building numbers on the various facades for easy identification. These signs are permitted by our sign regulations, and therefore need no special review by the Council.

Staff Recommends Approval

Staff has no objection to the approval of this request. The requested sign would meet the required setback, and would not exceed height or area limitations for signs located in the Shopping Center or Highway Business districts that otherwise dominate this area of Westchester Drive. It would be about half as large as the existing monument type sign, yet would be more visible, and would help direct traffic to the most appropriate site entrance, particularly for the Cornerstone and RHA businesses. As a replacement, the requested sign will not increase the number of freestanding signs on the premises, and the offer to discontinue the use of the LED panel on the other freestanding sign is a concession that would bring that sign into compliance with current sign regulations.



To the City Council of the City of High Point and the Planning and Development Department

RE: Signage

Westchester Christian Center, DBA Providence Place

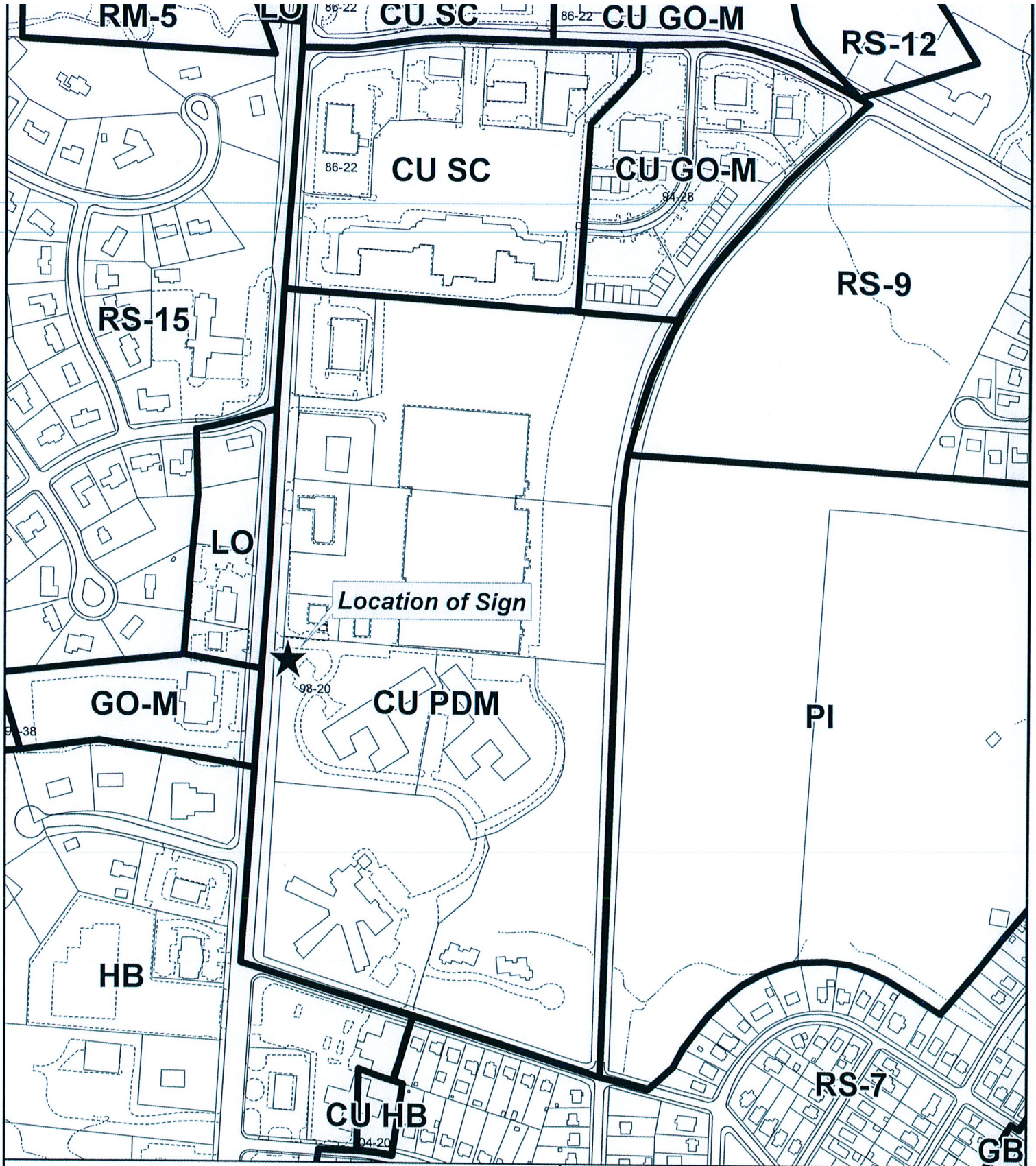
Having had informational and planning meetings with Bob Robbins, Director of Planning and Catherine Bossi, Enforcement Manager, Providence Place is requesting a variance in the signage on our property.

1. We propose to remove the sign now identifying "Providence Place" and replacing it with a new interior lighted sign which will allow identification of tenants (see attached sketch).
2. We propose also to turn off the electronic sign and cover the digital area with an applied panel that reads "First Wesleyan Church".
3. We propose to install lighted directional signs, where appropriate, which will comply with the signage code.
4. We propose to install the street number(s) on the various buildings which will be readable from the street.

Thank you for your consideration and we will appreciate your approval of our proposal(s).

Sincerely,

Carlis Vernon
Consulting Engineer, Providence Place



Sign Replacement Request

Providence Place

Existing Zoning Boundary
Subject Property Boundary



Planning & Development
Department

City of High Point

Date: December 9, 2008



Scale: 1"=400'
y:/ba-pz/2008/pz/z98-20.mxd



Superior Sign Company, Inc.

804 W. Main St. • PO Box 1082 • Jamestown, NC 27282
PH. 336-454-2226 • FAX 336-454-6563

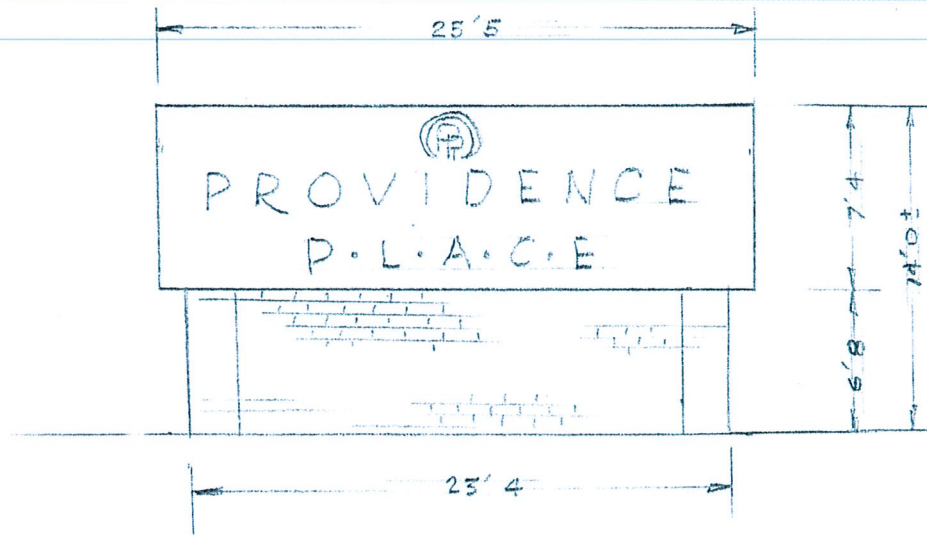
This is an original unpublished drawing designed by
SUPERIOR SIGN CO., INC. It is not to be shown to
anyone outside of your company, copied, used, or
reproduced in any manner. It remains the sole property
of SUPERIOR SIGN CO., INC. until purchased or released
in written form.

DRAWN BY: W. JONES
DATE: 06/18/2008
REVISED BY: W. JONES
REVISION: ONE
REV DATE: 10/15/2008

PROJECT: PROVIDENCE PLACE
NUMBER: D8-1563-RI
LOCATION: HIGH POINT
SCALE: 1/2" = 12"
PAGE: 1 OF 1



15' X 10' Internally Lighted
Tenant Sign



EXISTING SIGN 336 #
ILLUMINATED WITH 4 FLOODS



MEMORANDUM

Date: Dec 3, 2008

To: Pat Pate, Asst. City Manager

From: Terry Houk, Asst. Director of Public Services (T.H.)

Re: Agenda Item

I respectfully request that the following be included for consideration on the next Council Agenda:

Acceptance of bids submitted for Water and Sewer Chemicals for fiscal year 08-09

Public Services is recommending that the following bids be accepted:

<u>Ward Water Plant</u>	(Account:	<u>621758-526103)</u>	
Chemical	Term	Bidder	Amount
Corrosion Inhibitor	6 months	Shannon Chemical	\$103,753.00
Alum	6 months	Alchem	\$167,500.00
<u>Eastside WWTP</u>	(Account:	<u>621752-526103)</u>	
Chemical	Term	Bidder	Amount
Alum	6 months	Alchem	\$ 77,720.00
<u>Westside WWTP</u>	(Account:	<u>621753-526103)</u>	
Chemical	Term	Bidder	Amount
Alum	6 months	Alchem	\$ 50,250.00

Cc: W. Chris Thompson
Jeff Moore
Bob Martin
Robert Pickett
John Hodges
File

BID TABULATION WATER & WASTEWATER TREATMENT CHEMICALS BID NUMBER 47-060408															
ITEM A = Six Month Firm Pricing				ITEM B = Twelve Month Firm Pricing											
ITEM	DESCRIPTION	TON	ALCHEM	BASIC	C & S	CARMEUSE	CHEM LIME	DABCO	GENERAL	GEO SPECIAL	GREER	KEY CHEM	SHANNON	SURRY	UNIVAR
1A	Aluminum Sulfate-Ward	500	167,500.00		167,500.00				204,500.00	224,500.00					
1B	Aluminum Sulfate	1000	335,000.00		335,000.00				460,000.00	449,000.00					
2A	Aluminum Sulfate-ES	150	50,250.00		50,250.00				61,350.00	67,350.00					
2B	Aluminum Sulfate	200	100,500.00		100,500.00				138,000.00	134,700.00					
3A	Aluminum Sulfate-WS	232	77,720.00		77,720.00				94,888.00	104,168.00					
3B	Aluminum Sulfate	464	155,440.00		155,440.00				213,440.00	208,336.00					
4A	Fluoride-Ward Plant	50										30,900.00			26,850.00
4B	Fluoride-Ward Plant	100										63,800.00			53,700.00
5A	Sodium Hydroxide-Ward	110		105,019.20								108,455.60		94,820.00	91,190.00
5B	Sodium Hydroxide	220		254,038.40								230,111.20		211,640.00	188,320.00
6A	Sodium Hydroxide-WS	10		12,339.70								9,859.60		8,620.00	8,290.00
6B	Sodium Hydroxide	20		28,679.40								20,919.20		19,240.00	17,120.00
	Sodium Hydroxide-ES	59		72,804.23								58,171.64		50,858.00	48,911.00
	Sodium Hydroxide	118		169,208.46								123,423.28		113,516.00	101,008.00
7A	Corrosion Inhibiter-Ward	65						45,500.00					103,753.00		
7B	Corrosion Inhibiter	130						91,000.00					222,575.60		
9A	1/4" Pebble Quick Lime Westside	63				11,484.90	No Resp.								
9B	1/4" Pebble Quick Lime	125				22,787.50	20,276.25								

**DEPARTMENT OF PLANNING AND DEVELOPMENT
INSPECTION SERVICES
HOUSING ENFORCEMENT DIVISION**

**ORDINANCE
REQUEST:**

Ordinance to Demolish

**PROPERTY
ADDRESS:**

1415 W English Road

OWNER:

L. James Hackenberg

**FIRST
INSPECTION:
7-28-2008**

Number of Violations: Unsafe 2 Minor 27

**HEARING
RESULTS:**

Dwelling substandard due to number of violations and estimated cost of repairs exceed 50% of the tax value of the structure.

8-15-2008

**ORDER(S)
ISSUED:**

8-15-2008

Order to Repair or Demolish (90-day)
compliance date of 11-10-2008

APPEALS:

None

**OWNER
ACTIONS:**

no actions taken

**STATUS OF
CLOSED DWELLINGS:**

12-5-2008

Vacant, not permits or repairs

**COMPLIANCE
DATE STATUS:
11-10-2008**

Conditions still exist

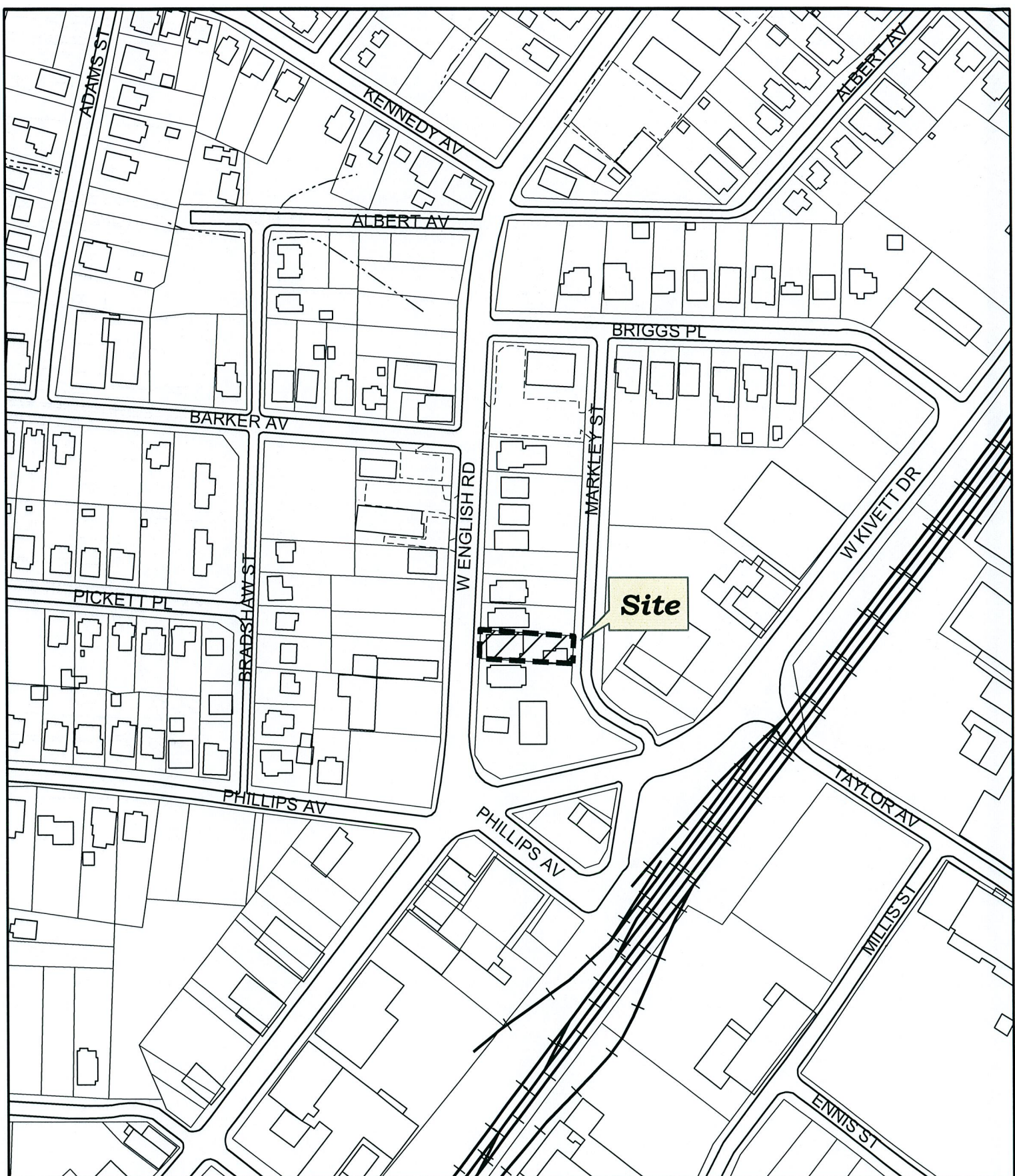
EXTENSIONS:

none requested

STAFF COMMENTS:

Guilford County Tax \$19,200
Estimated Repairs \$29,150

This demolition includes the accessory structure located on the property



1415 W English Road

Ordinance to Demolish



Location of subject property

**Department of Planning
and Development**

City of High Point

Date: December 9, 2008



Scale: 1"=200'

y:/ba-pz/Inspections/
ord-demo.mxd



1415 W. English Road



1415 W. English Road

A RESOLUTION ADOPTING THE WASHINGTON DRIVE DISTRICT PLAN

WHEREAS, the revitalization of the Washington Drive District was identified as a priority in the Core City Plan; and

WHEREAS, the Washington Drive District is an important historical part of the Core City Area located on the edge of downtown that once served the area with commercial and personal services, hotels, medical offices, entertainment, churches and a school; and

WHEREAS, it has been identified that there are development, redevelopment and revitalization needs for the Washington Drive Area; and

WHEREAS, a strong Core City area promotes a strong City of High Point; and

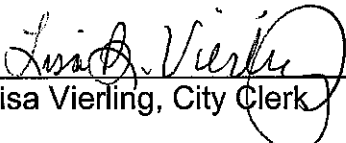
WHEREAS, it is expected that development interest in the Washington Drive area will increase with infrastructure and other improvements and initiatives; and

WHEREAS, the Core City Steering Committee met on October 20, 2008 and recommended adoption of this plan to the High Point Planning and Zoning Commission and City Council; and

WHEREAS, public hearings were held before the High Point Planning and Zoning Commission on November 11, 2008 and before the City Council of the City of High Point on December 15, 2008 regarding the adoption of said Washington Drive District Plan;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIGH POINT, NORTH CAROLINA that the Washington Drive District Plan recommended for adoption by the Core City Steering Committee and the Planning and Zoning Commission be adopted as a guide for future development of the Washington Drive area.

Adopted by City Council,
this 15th day of December, 2008



Lisa Vierling, City Clerk





MEMORANDUM

Date: December 8, 2008

To: Pat Pate, Assistant City Manager

From: Terry Houk, Assistant Director of Public Services (T. H.)

Re: Agenda Item

I respectfully request that the following be included for consideration on the next Council Agenda:

Acceptance of contract for engineering services related to Phase 1 Upgrade – Westside WWTP between the City of High Point and Hazen and Sawyer, P. C. (Engineers)

Engineering services refers to construction services overseeing Phase 1 construction for Westside WWTP. Phase 1 is the upgrade of the influent of the plant referred to as the headworks.

Public Services is recommending this amendment be accepted for:

Engineering Services – Phase 1- Headworks	\$668,910.00
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Funding for this amendment will come from 421779-527105-421001001220-40206.

Cc: Chris Thompson
Jeff Moore
Bob Martin
Patty Sykes
File

AMENDMENT NO. 4
CONTRACT FOR
PROFESSIONAL ENGINEERING SERVICES
for
WESTSIDE WASTEWATER TREATMENT PLANT

THIS AMENDMENT NO. 4 modifies the original Agreement entered into on November, 2004 for engineering services related to the Westside Wastewater Treatment Plant, by and between THE CITY OF HIGH POINT, NORTH CAROLINA (OWNER) and HAZEN AND SAWYER, P.C. (ENGINEERS).

WHEREAS, the OWNER desires to increase the capacity of its Westside Wastewater Treatment Plant and upgrade portions thereof to meet more stringent NPDES permit effluent limits, and

WHEREAS, the ENGINEERS have completed a Preliminary Engineering Report for upgrade and expansion of the Westside Wastewater Treatment Plant, the Owner now desires the Engineers to expand the scope of work for the environmental assessment for the Westside Wastewater Treatment Plant.

WITNESSETH, that the parties hereto do mutually agree as follows:

ARTICLE I - DESCRIPTION OF PROJECT

The scope of services related to the project contained in the original Agreement as amended is to be modified by this Amendment No. 4 to include the construction administration for Phase I construction at the Westside Wastewater Treatment Plant to include office services, field inspection, operation and maintenance manual and materials testing as described.

ARTICLE II - SERVICES TO BE PERFORMED

The following services shall be provided as described in detail in Attachment A:

- Construction Administration Office Services

- Construction Administration Field Services
- Operation and Maintenance Manual
- Materials Testing

ARTICLE III - SCHEDULE

The work to be performed and the services to be rendered under this Amendment No. 4 shall commence approximately December 16, 2008 as directed by the OWNER and shall be coordinated with the construction schedule.

ARTICLE IV - COMPENSATION

For the project described in Article I and scope of services described in Article II of the original Agreement as amended and this Amendment No. 4, the OWNER shall pay the ENGINEERS all allowable and allocable costs that are incurred up to the cost ceilings indicated below under Basis of Compensation or the lump sum amounts contained therein.

BASIS OF COMPENSATION

	<u>Lump Sum</u>
Construction Administration Office	\$233,310.00
Construction Administration Field Services	\$340,600.00
Operation and Maintenance Manual	\$75,000.00
Materials Testing	\$20,000.00
Total	\$668,910.00

IN WITNESS WHEREOF, the parties hereto have made and executed this
Amendment No. 4 to the original Agreement this _____ day of
_____, 2008.

Attest: CITY OF HIGH POINT, NORTH CAROLINA

By: Pat Pate
Assistant City Manager

Date

Witness: HAZEN AND SAWYER, P.C.

James Cramer, P.E.
Vice President

By: _____
Robert S. DiFiore, P.E.
Vice President

APPROVED BY FINANCE OFFICER

This instrument has been preaudited in the matter required by the Local
Government Budget and Fiscal Control Act.

Date

Finance Officer

APPROVAL BY CITY ATTORNEY

Approved as to form and legality:

Fred P. Baggett, City Attorney

Date

APPROVAL BY FINANCE OFFICER

This instrument has been preaudited in the manner required by the Local Government Budget and Fiscal Control Act.

Jeffrey A. Moore, Director of Financial Services

Date

Attachment A
Construction Administration Office Services
Preliminary Treatment Facility
City of High Point
Based on Manhour Estimates/Unit Cost

4.A.1.e Construction Administration (Office)

Notice of Award, Review of Insurance, Preparation of
Construction Contracts for Execution, and Notice to Proceed

	24 Hours X	\$95 /Hour	\$2,280
Preconstruction Meeting	24 Hours X	\$95 /Hour	\$2,280
Project Management 20 Months	16 Hours X	\$95 /Hour	\$30,400
Review Meetings 20 Meetings	16 Hours X	\$95 /Hour	\$30,400
Submittal Review 120 Submittals	8 Hours X	\$85 /Hour	\$81,600
Interpretations/Clarifications	120 Hours X	\$95 /Hour	\$11,400
Pay Requisition Review 20 requisitions	8 Hours X	\$95 /Hour	\$15,200
Record Drawings	200 Hours X	\$85 /Hour	\$17,000
Change Orders 15 changes	30 Hours X	\$95 /Hour	\$42,750
Operation and Maintenance Manual			\$75,000

Total Office Construction Fee **\$308,310**

C4.02.A.1 Construction Administration (Field Services)

Full Time Inspector
Assume 20 Months
Direct Labor Rate = \$35 per hour \$6,067 per month
\$6,067 X 2.7 (field multiplier) \$16,380 per month
20 months X \$16,380 per month = \$327,600
Auto Allowance 18 months X \$650 month \$13,000

Concrete and Soils Testing \$20,000

Total Field Fee= **\$360,600**

Total Construction Services Fee **\$668,910**

Public Services Department

Richard D. McMillan, P.E.
ASSISTANT DIRECTOR



MEMORANDUM

DATE: December 5, 2008
TO: Pat Pate, Assistant City Manager
W. Chris Thompson, PE, Director of Public Services
FROM: Richard D. McMillan, P.E., Asst. Director of Public Services *Richard D. McMillan*
SUBJECT: Agenda Item:
Engineering Design & Construction Adm. for Kersey Valley Landfill, Phase 4

I respectfully request that the following be included for consideration on the next City Council Agenda:

Consideration and approval for engineering design, bidding, and construction administrative services for the construction of Kersey Valley Landfill Expansion, Area 2 - Phase 4, in the amount of \$239,076 to Richardson Smith Gardner & Associates (RSG).

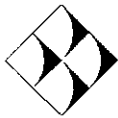
RSG has performed the preliminary design and permitting for Phase 4, as well as past landfill design for Kersey Valley Landfill. The State permit approval is expected by February 2009, with bidding and construction to follow in the Spring 2009.

Funding for this payment will be made from the following account:

MSA Account: 661749-533701 – 661001000105-40202

If you have any questions, please contact me.

pc: Jeff Moore, Finance Director
Steve Pendry, Landfill Superintendent
File



November 17, 2008

Mr. Richard McMillan, P.E.
Assistant Director
City of High Point Department of Public Services
211 S. Hamilton Street
High Point, NC 27260

**RE: Engineering Services Proposal
Kersey Valley MSW Landfill
Phase 4 Bid Procurement and Construction**

Dear Richard:

Richardson Smith Gardner & Associates, Inc. (RSG) is pleased to submit the following scope and cost proposal for engineering services pertaining to bid procurement and construction of Phase 4 of the Kersey Valley Landfill.

Scope of Technical Services

Our proposed Scope of Technical Services is provided as **Attachment A**. This scope outlines RSG's approach in providing the required engineering services. The work plan presented in this Scope of Technical Services is divided into phases and tasks including:

- 1.0 Phase I - Construction Documents and Bid Procurement
 - 1.1 Construction Documents
 - 1.2 Bid Procurement
- 2.0 Phase II - Construction Services
 - 2.1 Construction Management & Engineering
 - 2.2 Construction Quality Assurance (CQA) (Field Services & Conformance Testing)
- 3.0 Phase III - Construction Certification and CQA Report

Each task includes a description of the task objective, RSG activities, task deliverables, key understandings, planned meetings, and information and services required by others.

Schedule

RSG is prepared to begin work on these tasks immediately upon your authorization. RSG can complete preparation of the documents within 6 to 8 weeks. The construction of Phase 4 is anticipated to take no more than 9 months.

Mr. Richard McMillan, P.E.
November 17, 2008
Page 2

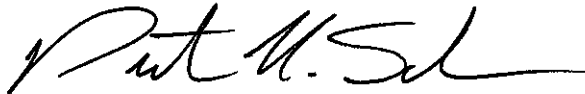
Cost Estimate

RSG proposes to undertake the above scope of work on a time and materials basis for a not to exceed cost of \$239,076 as detailed in **Tables 1 - 3**. This estimate includes a 5% contingency and is conservatively based on having an on-site technician on-site during the full 9 months of construction. Also note that the budget includes a 5% markup on subcontracted services, which is half of our normal 10% markup.

During the course of the project, the City may wish additional services and/or adjustments to the scope of work, which may require supplemental budget adjustments. We will keep the City notified of our budget status and we will not exceed the written cost estimate without the City's prior approval.

If you have any questions, or require further information, please contact us at your earliest convenience.

Sincerely,
Richardson Smith Gardner & Associates, Inc.



Pieter K. Scheer, P.E.
Project Manager

Attachments: Tables 1, 2, & 3
 Scope of Technical Services

cc: Stacey Smith, P.E., RSG

If you find this proposal to be acceptable, please indicate by an authorized signature below and return one copy to RSG.

City of High Point, North Carolina

BY: _____

TITLE: _____

DATE: _____

**RICHARDSON SMITH GARDNER & ASSOCIATES**

Engineering and Geological Services

14 N. Boylan Avenue

Raleigh, NC 27603

Tel: 919-828-0577

Fax: 919-828-3899

Date: 11/17/08

By: PKS

Kersey Valley MSW Landfill**Phase 4 Construction****Table 1: Services Estimate - Summary**

Item	Description	Cost	Totals
Engineering & CQA Services (See Table 2)			\$202,858
RSG	Construction Documents & Bid Procurement	\$24,524	
	Construction Management & Engineering	\$33,906	
	CQA - Field Services	\$85,308	
	Construction Certification & CQA Report	\$2,536	
Subcontractors (Costs Include 5% Mark-Up)	Construction Documents & Bid Procurement	\$7,350	
	Construction Management & Engineering	\$6,300	
	CQA - Field Services	\$42,935	
Conformance Testing (See Table 3)			\$24,834
Subcontractors (Costs Include 5% Mark-Up)	General Earthwork	\$4,540	
	Soil Liner	\$14,559	
	Geomembrane	\$2,211	
	GCL	\$1,544	
	Coarse Aggregate	\$326	
	Leachate Collection Media	\$767	
	Geotextiles	\$887	
Subtotal:			\$227,692
Contingency (5%):			\$11,385
Total Estimated Construction Services:			\$239,076



RICHARDSON SMITH GARDNER & ASSOCIATES

Engineering and Geological Services

14 N. Boylan Avenue
Raleigh, NC 27603

Tel: 919-828-0577
Fax: 919-828-3899

Date: 11/17/08
By: PKS

**Kersey Valley MSW Landfill
Phase 4 Construction
Table 2: Engineering & CQA Services**

Item	Description	Quantity	Unit	Rate	Cost	Totals
Construction Documents & Bid Procurement ----->						\$31,874
RSG	Senior Engineer (PKS)	140	HR	\$115	\$16,100	
	Senior AutoCAD Designer (CTJ)	32	HR	\$82	\$2,624	
	AutoCAD Technician II	80	HR	\$60	\$4,800	
	Travel & Misc. Expenses	1	LS	\$1,000	\$1,000	
						\$24,524
Subcontractors	Electrical Engineering (H. Thio, P.E.)	1	LS	\$6,500	\$6,500	
	Structural Engineering (B. Ross, P.E.) (Review)	1	LS	\$500	\$500	
	Subcontractor Markup (5%)				\$350	
						\$7,350
Construction Management & Engineering ----->						\$40,206
RSG	Senior Engineer (PKS)	250	HR	\$115	\$28,750	
	Senior Engineer (SAS)	8	HR	\$125	\$1,000	
	Senior Hydrogeologist (JAS)	12	HR	\$98	\$1,176	
	AutoCAD Technician II	8	HR	\$60	\$480	
	Travel & Misc. Expenses	1	LS	\$2,500	\$2,500	
						\$33,906
Subcontractors	Electrical Engineering (H. Thio)	1	LS	\$5,000	\$5,000	
	Structural Engineering (B. Ross)	1	LS	\$1,000	\$1,000	
	Subcontractor Markup (5%)				\$300	
						\$6,300
CQA - Field Services ----->						\$128,242
RSG	CQA/Field Technician (BSH) (6 Mos.)	1,200	HR	\$55	\$66,000	
	Mileage	9,500	MI	\$0.59	\$5,558	
	Expenses	1	LS	\$2,500	\$2,500	
	Per Diem (Trailer Rental/Food/Etc.)	150	Day	\$75	\$11,250	
						\$85,308
Subcontractor (Geotechnics)	Field Technician (3 Mos.)	690	HR	\$45	\$31,050	
	Mileage	4,000	MI	\$0.59	\$2,340	
	Expenses	1	LS	\$1,500	\$1,500	
	Per Diem (Hotel/Food/Etc.)	60	Day	\$100	\$6,000	
	Subcontractor Markup (5%)				\$2,045	
						\$42,935
Construction Certification & CQA Report ----->						\$2,536
RSG	Senior Engineer (PKS)	12	HR	\$115	\$1,380	
	Senior AutoCAD Designer (CTJ)	8	HR	\$82	\$656	
	Travel & Misc. Expenses	1	LS	\$500	\$500	
Total Estimated Engineering & CQA Services:						\$202,858

**Kersey Valley MSW Landfill
 Phase 4 Construction
 Table 3: Conformance Testing**

Item	Test	Frequency	Unit	Estimated Quantity	Unit	CQA Tests	Cost per Test (\$)	Subtotal Cost (\$)	Total Costs (\$)	Test Method	Testing Firm
General Earthwork	Grain Size	5,000	CY	80,000	CY	16	\$52	\$832		ASTM D422	Geotechnics
	Atterberg Limits	5,000	CY	80,000	CY	16	\$54	\$864		ASTM D4318	Geotechnics
	Moisture-Density Relationship	5,000	CY	80,000	CY	16	\$110	\$1,760		ASTM D698	Geotechnics
	Moisture Density	370	CY	80,000	CY	217	\$2	\$434		ASTM D3017	Geotechnics
Soil Liner									\$4,324	ASTM D2922	Geotechnics
	Moisture	2,000	CY	30,000	CY	15	\$8	\$120		ASTM D2216	Geotechnics
	Grain Size	2,000	CY	30,000	CY	15	\$52	\$780		ASTM D422	Geotechnics
	Atterberg Limits	2,000	CY	30,000	CY	15	\$54	\$810		ASTM D4318	Geotechnics
	Moisture-Density Relationship	5,000	CY	30,000	CY	6	\$110	\$660		ASTM D698	Geotechnics
	Permeability - Lab Remolded	10,000	CY	30,000	CY	3	\$260	\$780		ASTM D5084	Geotechnics
	Atterberg Limits	1	L/R	3	L/R	3	\$54	\$162		ASTM D4318	Geotechnics
	Grain Size	1	L/R	3	L/R	3	\$52	\$156		ASTM D422	Geotechnics
	Moisture	3	L/R	3	L/R	9	\$2	\$18		ASTM D3017	Geotechnics
	Density	3	L/R	3	L/R	9	\$2	\$18		ASTM D2922	Geotechnics
	Permeability - Undisturbed	1	L/R	3	L/R	3	\$230	\$690		ASTM D5084	Geotechnics
	Moisture	185	CY	30,000	CY	163	\$2	\$326		ASTM D3017	Geotechnics
In-place Tests	Density	185	CY	30,000	CY	163	\$2	\$326		ASTM D2922	Geotechnics
	Permeability - Undisturbed	740	CY	30,000	CY	41	\$220	\$9,020		ASTM D5084	Geotechnics
									\$13,866		
Geomembrane	Thickness	100,000	SF	600,000	SF	6	\$8	\$48		ASTM D5199/D5994	Geotechnics
	Density	100,000	SF	600,000	SF	6	\$10	\$60		ASTM D1505/D792	Geotechnics
	Carbon Black Content	100,000	SF	600,000	SF	6	\$23	\$138		ASTM D1603	Geotechnics
	Carbon Black Dispersion	100,000	SF	600,000	SF	6	\$25	\$150		ASTM D5596	Geotechnics
	Tensile Properties	100,000	SF	600,000	SF	6	\$45	\$270		ASTM D6693 (Type IV)	Geotechnics
	Tear Resistance	100,000	SF	600,000	SF	6	\$40	\$240		ASTM D1004	Geotechnics
GCL	Peel & Shear	500	L/F	30,000	L/F	60	\$20	\$1,200		ASTM D6392	Geotechnics
									\$2,106		
	Hydraulic Conductivity	100,000	SF	600,000	SF	6	\$175	\$1,050		ASTM D5084/D5887	Geotechnics
Coarse Aggregate	Bentonite Content	100,000	SF	600,000	SF	6	\$20	\$120		ASTM D5993	Geotechnics
	Peel Strength	100,000	SF	600,000	SF	6	\$50	\$300		ASTM D6496	Geotechnics
									\$1,470		
Leachate Collection Media	Gradation	5,000	CY	5,000	CY	1	\$60	\$60		ASTM C136	Geotechnics
	Carbonate Content	1	Source	1	Source	1	\$250	\$250		ASTM D3042	Geotechnics
									\$310		
Geotextiles	Gradation	5,000	CY	40,000	CY	8	\$60	\$480		ASTM C136	Geotechnics
	Carbonate Content	1	Source	1	Source	1	\$250	\$250		ASTM D3042	Geotechnics
	Permeability	10,000	CY	40,000	CY	4	\$175	\$700		ASTM D2434	Geotechnics
									\$730		
Geotextiles	Grab Tensile	100,000	SF	650,000	SF	7	\$40	\$280		ASTM D4632	Geotechnics
	Puncture Resistance	100,000	SF	650,000	SF	7	\$25	\$175		ASTM D4833	Geotechnics
	Trapezoidal Tear Strength	100,000	SF	650,000	SF	7	\$45	\$315		ASTM D4533	Geotechnics
	Apparent Opening Size (Type GT-S Only)	100,000	SF	50,000	SF	1	\$75	\$75		ASTM D4751	Geotechnics
Subtotal: \$23,651											
5% Markup on Expenses: \$1,183											
Total Estimated Conformance Testing: \$24,834											

NOTE: Bold type indicates Control Tests.
 Italic type indicates Record Tests

Attachment A

Scope of Technical Services

Scope of Technical Services

The following Scope of Services outlines RSG's approach in providing the engineering, construction management, and Construction Quality Assurance (CQA) services requested by the City. This Scope of Technical Services is divided into Phases and Tasks as follows:

- 1.0 Phase I - Construction Documents and Bid Procurement
 - 3.1 Construction Documents
 - 3.2 Bid Procurement
- 2.0 Phase II - Construction Services
 - 4.1 Construction Management & Engineering
 - 4.2 Construction Quality Assurance (CQA) (Field Services & Conformance Testing)
- 3.0 Phase III - Construction Certification and CQA Report

1.0 Phase I - Construction Documents and Bid Procurement

The task elements under this phase will provide for the necessary documents for the construction of the Phase 4 landfill unit (11.9 lined acres), leachate management system (force main and tanks), citizen's convenience center, and site roads, will provide for obtaining bids for construction, and will provide for assisting the City in contract negotiations. RSG will coordinate with the City's selected architect for inclusion of the planned scales and scale house and maintenance building into the documents.

1.1 Construction Documents

Objective: To prepare final construction drawings and specifications (Construction Documents) to assist the City in advertising for and obtaining proposals for the landfill development.

RSG Activities: In this task, RSG will produce the Construction Documents for use in receiving bids from contractors for the landfill development. The Construction Documents will include:

- 1. Drawings and Specifications to Address:
 - Site Clearing, Drainage and Erosion Control Facilities
 - Fill Area Subgrade Preparation
 - Liner System Material and Installation
 - Leachate Collection System Piping and Bedding
 - Leachate Storage and Handling System
 - Borrow Area Development
 - Access Road Construction
 - Convenience Center Construction
 - Vehicle Tracking Pad Construction
 - Electrical Work (outside of buildings)
 - Other Components, as Necessary
- Other Construction Documents Necessary to Bid and Enter into a Formal Construction Contract including:
 - Advertisement
 - Bid Form(s)
 - Contract
 - Standard Forms
 - General Conditions
 - General Specifications, etc.

Scope of Technical Services

RSG will prepare and submit an erosion and sedimentation control permit application to the Land Quality Section to obtain an erosion control permit for the planned construction activities.

RSG will prepare and submit to the City an opinion of probable construction cost based on the information contained in the Construction Documents.

Task Deliverables: Copies of Construction Documents will be submitted to the City for review and approval at the 90% completion stage and at time of bid.

Erosion and Sedimentation Control Permit Application.

Construction Cost Estimate.

Key

Understandings: The permit application documents will be modified to make construction-level documents. Construction documents will meet the City's requirements.

RSG will incorporate revisions to the Construction Documents requested by City staff as appropriate.

RSG assumes that an architect will be employed by the City for the design of any buildings (i.e. scale house). RSG will coordinate with the City's architect as necessary.

Planned Meetings: One (1) meeting, one-half day duration, with City staff at the 90% completion stage.

Information and Services Provided

By Others: Review of documents by City staff.

1.2 Bid Procurement

Objective: To select contractors and subcontractors to complete the proposed construction.

RSG Activities: Prepare a project Notice to Bidders for advertisement of the construction contract.

Issue for bid the Contract Documents and addenda (drawings, specifications, etc.).

Assist the City with coordinating and presiding over a pre-bid meeting to respond to technical questions.

Assist the City in evaluating bids or proposals and in assembling and awarding the contract.

Consult with and advise the City as to the acceptability of subcontractors proposed by the prime contractor.

Scope of Technical Services

Consult with and advise the City as to the acceptability of substitute materials and equipment proposed by the contractor(s).

Task Deliverables: RSG will provide Construction Documents to all interested contractors.

Technical memorandum evaluating each contractor or subcontractor regarding the acceptability of their bid or proposal. Prepared bid tabulation sheets.

Key

Understandings: RSG may charge contractors a non-refundable fee to cover reproduction and handling costs for each set of bidding documents requested. City staff will be responsible for final contractor and subcontractor selection.

Planned Meetings: Three (3) meetings, one-half day duration, with City staff including attendance of pre-bid conference, bid opening, and awarding of contracts.

Information and Services Provided

By Others: Availability of City personnel.

Scope of Technical Services

2.0 Phase II - Construction Services

Included in this phase is the required construction management, engineering, and construction monitoring for this project.

2.1 Construction Management & Engineering

Objective: To manage construction activities and report to the City regarding progress made in fulfilling the terms of the construction contracts and to perform minor engineering evaluations.

RSG Activities: Attend and preside at a pre-construction conference.

Review shop drawings, samples and other substitutes from the contractor to verify compliance with the Contract Documents.

Prepare change orders as required for City approval.

Schedule and conduct construction progress meetings with the City and the contractor (typically every two weeks during active construction).

Review and certify partial payment requests submitted by the contractor.

Prepare progress reports (typically included as part of progress meeting minutes).

Review and report the condition of the constructed subgrade to the NC DWM.

Task Deliverables: Change orders, field orders, copies of shop drawings, and partial payment requests as necessary. Monthly progress reports.

Key Understandings: Work done under this task will be coordinated closely with Task 2.2 below.

Note that it is assumed that well/piezometer abandonment will be included as part of the Contractor's scope of work. However, monitoring well installation will need to be handled under a separate scope as the NC DWM has yet to approve the ground water monitoring plan at this time.

Planned Meetings: Progress meetings with RSG, the City, and contractor(s) (average every 2 weeks during active construction).

Information and Services Provided

By Others: Availability of City personnel.

2.2 Construction Quality Assurance (CQA) (Field Services & Conformance Testing)

Objective: To perform the necessary monitoring and testing of the construction to meet the requirements of the project CQA plan as approved by the NCDWM.

Scope of Technical Services

RSG Activities:	Provide a field representative on-site during periods of major construction including: • Well/Piezometer Abandonment • Earthwork construction • Subgrade preparation • Installation of the liner system • Installation of the leachate collection and handling system • Construction of Citizen's Convenience Center • Construction of Site Roads. RSG will administer and oversee the Construction Quality Assurance (CQA) testing program for placement of earthworks and geosynthetics. This work will consist of density, permeability, and other tests at a sufficient frequency to satisfy the NCDWM requirements. RSG will subcontract to Geotechnics or other acceptable geotechnical firm to provide for soil materials testing and a full-time technician during placement of earthworks and other portions of the work as needed. RSG will subcontract to Geotechnics or other accredited geosynthetics lab for testing of geosynthetics.
Task Deliverables:	In the event that an unexpected occurrence effects progress status, an interim progress status report will be prepared for the City.
Key Understandings:	RSG is prepared to respond within 24 clock hours to unexpected occurrences. <u>The total construction period has been assumed to be no longer than 270 days.</u>
Planned Meetings:	Site visits for this task will be coordinated with Task 2.1 above.
Information and Services Provided By Others:	Construction Quality Assurance testing and oversight (as required) provided by Geotechnics (or other acceptable firm) as a subcontractor to RSG. Availability of City representative to attend progress meetings.

Scope of Technical Services

3.0 Phase III - Construction Certification and CQA Report (.1624)

Objective: To prepare and submit to the City and the NCDWM a CQA Report documenting and certifying the quality of landfill construction activities.

RSG Activities: Upon completion of landfill construction, RSG will prepare and submit to the City and the NCDWM a CQA Report containing:

- As-built drawings noting any deviation from the approved engineering plans
- A comprehensive narrative report
 - Site visit reports from Engineering and CQA personnel
 - A series of color photographs of major project features
 - Results of all CQA and CQC testing
 - Documentation of any failed test results, descriptions of procedures used to correct the improperly installed material, and results of all retesting performed
- Certification by the Project Engineer that construction was completed in accordance with:
 - The Project Specifications
 - The CQA Plan
 - The conditions of the permit to construct
 - The requirements of Rule .1624
 - Acceptable engineering practices.

Upon review of this document by the City, RSG will submit to the NCDWM for approval. RSG will provide all necessary responses, data, and input for the NCDWM approval.

Task Deliverables: CQA Report

Key

Understandings: RSG will compile and review all construction documentation produced by the contractor's Quality Control agent(s), the Owner's Quality Assurance agent, and RSG's field representative into a comprehensive CQA Report for submittal to the NCDWM.

Planned Meetings: One (1) meeting, one-day duration, with City staff to present and discuss the CQA Report. One meeting, one-half day duration, with the NCDWM to present and discuss the CQA Report.

**Information and
Services Provided
By Others:**

Availability of City staff.

BID INFORMATION AND RECOMMENDATION**BID # 33-111908****DATE OPENED: 11/26/08****DESCRIPTION: Power Transformer****BID PACKAGES DISTRIBUTED: 16****DEPARTMENT: Electric****SOURCE OF FUNDS: 631799-533701-631001002805-40202 BUDGETED AMOUNT: \$1,000,000.****RECOMMENDED AWARD**

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	Power Transformer	\$648,065.00	\$648,065.00

PURPOSE: To provide new substation with transformer.**COMMENTS:** Bid tabulation below.

VENDOR NAME & ADDRESS	ITEM	QTY.	TOTAL PRICE	DELIVERY
Kuhlman Electric Corp. 101 Kuhlman Blvd. Versailles, KY 40383	POWER XFMR	1	\$648,065.00	26-30 wks.
Delta Star c/o R.W. Chapman & Co. P.O. Box 240748 Charlotte, NC 28224	POWER XFMR	1	\$698,991.00	34-40 wks.
WEG Electric Motors 1327 Northbrook Pkwy. Suite 490 Suwanee, GA 30024	POWER XFMR	1	\$746,885.00	46-48 wks.
Waukesha Electric Systems Attn: Mr. Thom Froelich 207-6A South Broad St. Mooresville, NC 28115	POWER XFMR	1	\$750,763.00	28-34 wks.
Pauwels Transformers P.O. Box 189 Washington, MO 63090	POWER XFMR	1	\$816,516.00	46 wks.
Howard Industries 3225 Pendorff Rd. Laurel, MS 39440	POWER XFMR	1	\$839,448.00	34 wks.
ABB Wesco Distribution 1533 Woody Creek Rd. Matthews, NC 28105	POWER XFMR	1	\$942,000.00	40-42 wks.
HD Supply 5031 Unicon Dr. Wake Forest, NC 27587	POWER XFMR	1	\$942,990.00	38-42 wks.

Shihlin Electric 80 S. Lake Ave. Suite 780 Pasadena, CA 91101	POWER XFMR	1	\$965,430.00	43 wks.
Siemens Energy c/o National Transformer Sales 2613-B Discovery Dr. Raleigh, NC 27616	POWER XFMR	1	\$1,085,500.00	62-64 wks.
Federal Pacific Transformer Co. P.O. Box 8200 Bristol, VA 24203-8200	POWER XFMR	1	NO QUOTE	-
Irby P.O. Box 7457 Rocky Mount, NC 27803	POWER XFMR	1	NO QUOTE	-
JSHP Transformer 335-103 West Olive Ave. Sunnyvale, CA 94086	POWER XFMR	1	NO QUOTE	-
Virginia Transformer c/o Ensales 222 Peedin Rd. Smithfield, NC 27577	POWER XFMR	1	NO QUOTE	-
Hico Inc. c/o Jake Rudisill Assoc. P.O. Box 36248 Charlotte, NC 28236	POWER XFMR	1	NO QUOTE	-
National Electrical Systems Inc 13357 State Route 12 Boonville, NY 13309	POWER XFMR	1	NO QUOTE	-

The **PURCHASING DEPARTMENT** and **ELECTRIC DEPARTMENT** recommend that KUHLMAN ELECTRIC be awarded the bid in the amount of **\$648,065.00**. They are the lowest responsive bidder meeting specifications.

DATE OF RECOMMENDATION: December 3, 2008


Approved by:
Strib Boynton, CITY MANAGER

City of High Point

Garey S. Edwards

DIRECTOR OF ELECTRIC UTILITIES



December 8, 2008

To: Randy McCaslin, Assistant City Manager
From: Garey Edwards, Director of Electric Utilities
Subject: Bid #33-111908
Power Transformer

The City of High Point held a bid opening on November 26, 2008 for the purchase of one (1) power transformer. This is a large (30 MVA) unit to be used at a proposed substation.

We received bids from 10 firms and the bid amount is under the budgeted amount.

I recommend that the City Council authorize the purchase of one (1) Power Transformer from the **Kuhlman Electric Corporation** for the total price of **\$648,065.00**.

cc: file
Bob Martin
Jeff Moore
Josh Williams
Sherry Smith
Larry Hopkins

Office
336.883.3485

Cell
336.870.1105

Fax
336.883.3478

TDD
336.883.8517

City of High Point, P.O. 230, 816 E. Green Dr., High Point, NC 27261 USA
garey.edwards@highpointnc.gov



December 8, 2008

MEMORANDUM

TO: Strib Boynton
City Manager

FROM: Louanne C. Hedrick
Budget & Evaluation Officer

SUBJECT: Agenda Item for City Council

The City has received reimbursement check from Medtronic for \$10,462 for four defibrillators the Fire Department paid for in 2007. The equipment was never received due to a halt by the FDA in the production of the defibrillators. The Fire Department has requested in the attached memo that these funds be appropriated in the current fiscal year in order to purchase the four defibrillators.

Attached is a budget amendment to recognize the revenues received, and to appropriate funds for the purchase of the equipment.

Martha Younts and I will be available to answer any questions you may have.

Cc: Pat Pate
Randy McCaslin
Martha Younts
David Taylor

"AN ORDINANCE AMENDING THE 2008-2009 BUDGET ORDINANCE
OF THE CITY OF HIGH POINT, NORTH CAROLINA
TO APPROPRIATE FUNDS FOR FIRE DEPARTMENT DEFIBRILLATORS

Be it ordained by the City Council of the City of High Point, North Carolina, as follows:

Section 1. The City has received a \$10,462 reimbursement check from the Medtronic for defibrillators purchased in 2007 that were never received due to a production compliance issue with the FDA. The reimbursement will be used for to repurchase the four defibrillators in the current fiscal year.

Section 2. In order to appropriate these funds, the Budget Ordinance of the City of High Point would need to be amended as follows:

(A) That the following General Fund revenues be amended as follows:

General Fund Revenues (101999/451104)	\$ 10,462
---------------------------------------	-----------

(B) That the following Fire Department Equipment expenditures be amended as follows:

Medical Supplies & Equipment (101352/526108)	\$ 10,462
--	-----------

Section 3. That all ordinances or parts of ordinances in conflict with this ordinance are hereby repealed to the extent of such conflict.

Section 4. That this ordinance shall be effective from and after its passage."

Adopted this _____ day of December, 2008



HIGH POINT FIRE DEPARTMENT

To: Lou Hedrick
From: Martha Younts
Subject: Budget Amendment
Date: November 18, 2008

During the 2007 fiscal year the fire department purchased four automatic defibrillators at a cost of \$10,461.50. The department never received delivery of this equipment due to the production of the model we used being halted by the FDA. Medtronic, the defibrillator company, returned the \$10,461.50 to the fire department. The fire department is requesting the money to purchase defibrillators for the reasons stated below.

- Current defibrillators are outdated
- Equip all fire apparatus with the same defibrillators
- The new defibrillators are designed for small children not just adults
- No annual cost to recertify defibrillators (we currently pay yearly fee for each defibrillator)
- Cost of new defibrillators are less than previous model

Thank you for your consideration

Martha Younts
Martha Younts



MEMORANDUM

December 9, 2008

To: Honorable Mayor and City Council
From: Heidi H. Galanti, AICP, Planning Administrator
Subject: **Washington Drive District Plan Public Hearing**

In January 2008, the Washington Drive District Plan was kicked-off with stakeholder meetings and a general public input meeting. Since that time we have held several public meetings to receive additional input and feedback. Based on the feedback received, revisions were made to create the final plan which has been placed on the city's website for the public to review.

On October 20th the plan was presented to the Core City Steering Committee and they unanimously recommended its approval. They also felt that the creation of the museum should be spear-headed by the private sector and not the City, so they recommended removing the City as a responsible party on the implementation table and to move it to a long-term project instead of a mid-term project. On November 11th the Planning and Zoning Commission held a public hearing and they unanimously recommended approval as recommended by the Core City Steering Committee.

On December 2nd the Planning and Development Committee met and following a presentation from staff and some discussion they unanimously recommended approval as recommended by the Core City Steering Committee and the Planning and Zoning Commission. A public hearing to consider adoption of the plan has been scheduled for December 15th. Council members were previously provided copies of the plan which included an executive summary.

After the public hearing, please consider the adoption of the Washington Drive District Plan. Staff will be available to respond to any questions.

Administration
336.883.3328

Planning Services
336.883.3328

Development Services
336.883.3328

Inspection Services
336.883.3151

City of High Point, P.O. 230, 211 South Hamilton Street, High Point, NC 27261 USA
Fax: 336.883.3056 www.high-point.net/plan Permit Fax: 336.883.8518 TDD 336.883.8517

MEMORANDUM

Date: December 8, 2008

To: Pat Pate, Assistant City Manager

From: Terry Houk, Assistant Director of Public Services (T.H.)

Re: Agenda Item

I respectfully request that the following be included for consideration on the next Council Agenda:

Acceptance of contract for engineering services related to Triad Center Phase 1 Sewer Improvements (NW Sewer Improvements Phase 1) between the City of High Point and Davis-Martin-Powell and Associates, Inc.

Engineering services refers to construction services overseeing Phase 1 construction for the outfall line improvements from the City of High Point to the Triad Center.

Public Services is recommending this amendment be accepted for:

Engineering Services – Phase 1- NW Sewer Improvements	\$145,000.00
---	--------------

Funding for this amendment will come from 421779-527105-421001021020-40206.

Cc: Chris Thompson
Jeff Moore
Bob Martin
Patty Sykes
File



DAVIS-MARTIN-POWELL & ASSOCIATES, INC.

ENGINEERING • LAND PLANNING • SURVEYING

6415 Old Plank Road, High Point, NC 27265

(336) 886-4821 • Fax (336) 886-4458 • www.dmp-inc.com

November 21, 2008

Re: City of High Point, NC
Triad Center Phase 1 Sewer Improvements
DMP Project E-3927 (AL)

Mr. Chris Thompson, PE
Director of Public Services
City of High Point
PO Box 230
High Point, NC 27261

Dear Chris:

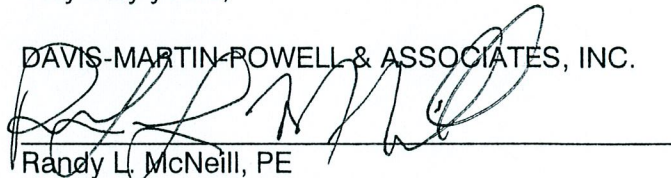
Now that the referenced project is moving to the construction phase, and since construction related Engineering Services were not authorized in our original contract for water and sewer extensions to serve the Triad Center Area, we are enclosing six copies of our proposed Engineering Services Agreement Amendment to add construction related services to our contract.

Since the project as bid includes classified rock excavation we have expanded our anticipated construction inspection intensity accordingly and recommend a budget of \$145,000 for the detailed daily Inspections and Construction Administration Services as indicated in the Amendment and as presented in our recommendation of construction contract award letter dated September 4th.

If you find this Amendment acceptable, please process for signatures and if you have questions, please let us know.

Very truly yours,

DAVIS-MARTIN-POWELL & ASSOCIATES, INC.


Randy L. McNeill, PE

CP/dd
C: Terry Houk
Greg Hall
File

RECEIVED

NOV 24 2008

Public Services Dept.

**Amendment No. 1
To the
Triad Center Area Sewer and Water Extensions
Engineering Services Agreement
Dated May 7, 2007**

THIS AMENDMENT made the _____ day of _____ 2008 by and between the City of High Point, NC for itself and its successors and assigns (hereinafter called the Owner) and Davis-Martin-Powell & Associates, Inc., a North Carolina Corporation of High Point, Guilford County, NC for itself and its successors and assigns (hereinafter called Engineer).

This Amendment is a supplement to the above referenced Engineering Services Agreement for "Triad Center Area Sewer and Water Extensions" (hereinafter called Agreement) between the Owner and Engineer that was executed on May 7, 2007.

WHEREAS, the original Engineering Agreement did not authorize Construction Related Services for the Engineer, and;

WHEREAS, the scope of construction for the Phase 1 main outfall portion of the project has been designed and bid and the construction phase is beginning, and;

WHEREAS, since the project was bid with classified rock excavation, the Owner request the Engineer provide detailed daily Inspections and Construction Administration Services, and;

NOW, THEREFORE, the Owner and Engineer, for considerations hereinafter named agree as follows:

Engineers Services during Construction shall be provided on a per diem bases with an estimated budget of \$145,000 as indicated in the cost summary of the recommendation of construction contract award letter dated September 4th.

The Engineer also request the two year old "Standard Rate Schedule" be updated as attached to compensate the Engineer for per diem services based upon current salaries and cost.

The OWNER and the ENGINEER hereby agree to the full performance of the covenants contained herein.

IN WITNESS WHEREOF, they have executed this Amendment the day and year first above written.

WITNESS:

CITY OF HIGH POINT, NC

For Owner

By: _____

Name & Title

Approved as to Form:

Fred Baggett, City Attorney

DAVIS-MARTIN-POWELL & ASSOCIATES, INC.

Robert David
For Engineer

By: [Signature]
Randy L. McNeill, Vice President

This instrument has been pre-audited in accordance with the Local Government Budget and Fiscal Control Act.

By: _____

"Attachment B"
STANDARD RATE SCHEDULE

Senior Associate	\$140.00
Senior Electrical/Structural Engineer	\$125.00
Associate	\$125.00
Senior Project Manager	\$110.00
Project Manager	\$100.00
Electrical or Structural Engineer	\$110.00
Project Engineer/Surveyor	\$90.00
Engineering/Surveying Technician I	\$75.00
Engineering/Surveying Technician II	\$60.00
Engineering/Surveying Technician III	\$50.00
Construction Manager	\$100.00
Senior Construction Representative	\$70.00
Construction Representative	\$60.00
3-Man Surveying Crew	\$130.00
2-Man Surveying Crew	\$105.00
Robotics or Single Unit GPS	\$25.00
GPS Equipment - Three Unit System	\$55.00
Senior Administrative Assistant	\$55.00
Administrative Assistant	\$45.00
Travel Mileage	\$0.48
Copies (Letter, Legal, and Ledger sizes)	\$0.10
Color Copies (Letter and Legal)	\$0.50
Paper Prints (B Size, 12" x 18")	\$0.50
Color Prints (B Size, 12" x 18")	\$3.00
Paper Prints (C Size, 18" x 24")	\$1.50
Paper Prints (D Size, 24" x 36")	\$2.00
Paper Prints (E Size, 30" x 42")	\$2.50
Color Plots or Mylar (C Size, 18" x 24")	\$15.00
Color Plots or Mylar (D Size, 24" x 36")	\$20.00
Color Plots or Mylar (E Size, 30" x 42")	\$25.00
Meals and Lodging	At Cost
Reimbursable Expenses (sub-consultants, courier, etc.)	At Cost + 15%
Permit and Review Fee Reimbursement	At Cost + 15%
Iron Pipes	\$1.50
Wood Stakes, Wire Flags, or Nails	\$0.50
Long Wood Stakes	\$1.00

**DEPARTMENT OF PLANNING AND DEVELOPMENT
INSPECTION SERVICES
HOUSING ENFORCEMENT DIVISION**

ORDINANCE

REQUEST: Ordinance to Demolish

PROPERTY

ADDRESS: 1417 W English Road

OWNER: L. James Hackenberg

**FIRST
INSPECTION:**
7-28-2008

Number of Violations: Unsafe 2 Minor 25

HEARING

RESULTS: Dwelling substandard
9-12-2008

ORDER(S)

ISSUED: Order to Repair or Demolish (90-day)
9-12-2008 compliance date of 12-11-2008

APPEALS: None

OWNER

ACTIONS: no actions taken

STATUS OF

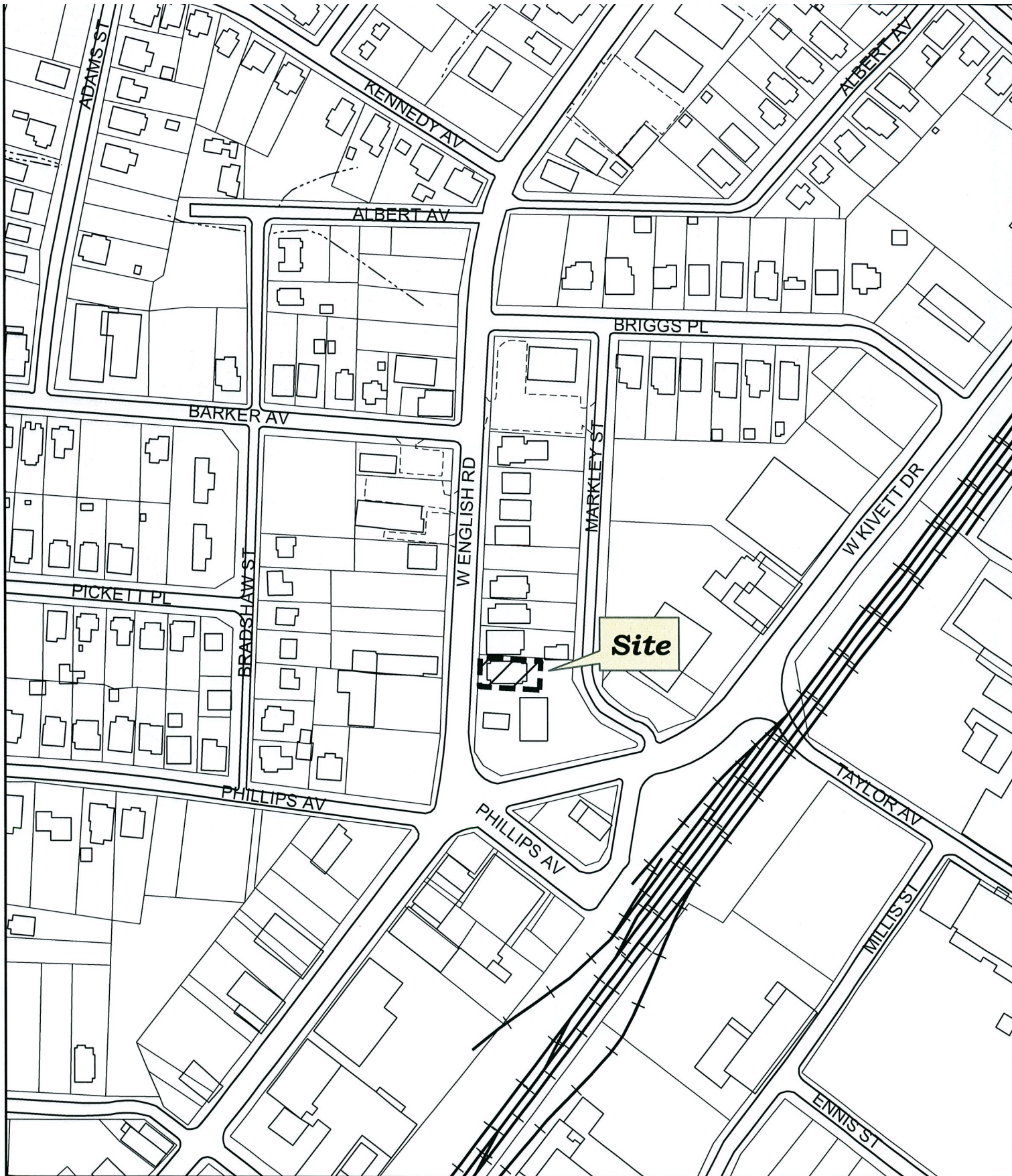
CLOSED DWELLINGS:
12-5-2008 Vacant, not permits or repairs

COMPLIANCE

DATE STATUS: Conditions still exist
12-11-2008

EXTENSIONS: none requested

STAFF COMMENTS: Guilford County Tax \$8,600
Estimated Repairs \$27,800



1417 W English Road

Ordinance to Demolish



Location of subject property

**Department of Planning
and Development**

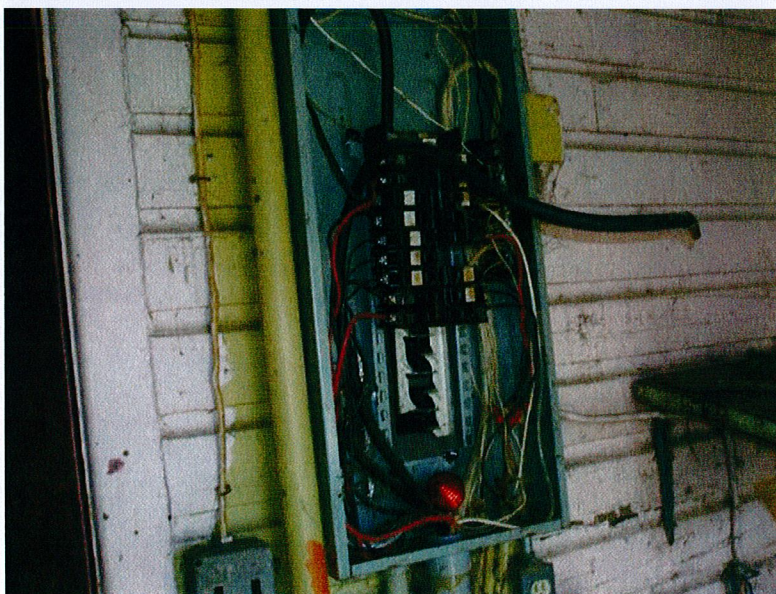
City of High Point

Date: December 9, 2008

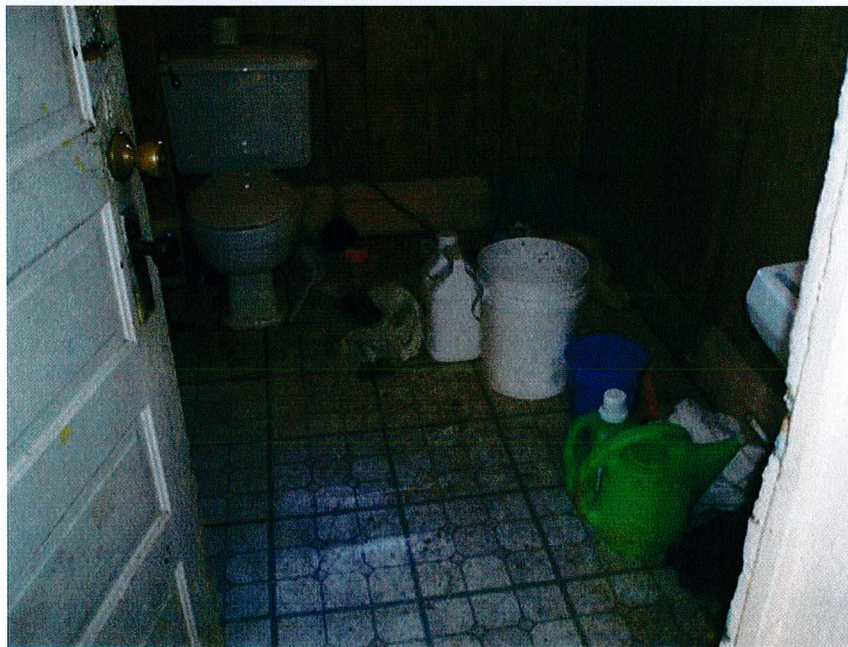


Scale: 1"=200'

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ord-demo.mxd



1417 W. English Road



1417 W. English Road



MEMORANDUM

Date: December 8, 2008

To: Pat Pate, Assistant City Manager

From: Terry Houk, Assistant Director of Public Services (T. H.)

Re: Agenda Item

I respectfully request that the following be included for consideration on the next Council Agenda:

Acceptance of contract for engineering services related to Environmental Assessment for the Westside WWTP between the City of High Point and Hazen and Sawyer, P. C. (Engineers)

Engineering services refers to surveying and field work for stream improvements and updated alternative analysis. This has been requested by NCDENR.

Public Services is recommending this amendment be accepted for:

Engineering Services – Environmental Assessment	\$255,795.00
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Funding for this amendment will come from 421779-527105-421001013420-40205.

Cc: Chris Thompson
Jeff Moore
Bob Martin
Patty Sykes
File

AMENDMENT NO. 3
CONTRACT FOR
PROFESSIONAL ENGINEERING SERVICES
for
WESTSIDE WASTEWATER TREATMENT PLANT

THIS AMENDMENT NO. 3 modifies the original Agreement entered into on November, 2004 for engineering services related to the Westside Wastewater Treatment Plant, by and between THE CITY OF HIGH POINT, NORTH CAROLINA (OWNER) and HAZEN AND SAWYER, P.C. (ENGINEERS).

WHEREAS, the OWNER desires to increase the capacity of its Westside Wastewater Treatment Plant and upgrade portions thereof to meet more stringent NPDES permit effluent limits, and

WHEREAS, the ENGINEERS have completed a Preliminary Engineering Report for upgrade and expansion of the Westside Wastewater Treatment Plant, the Owner now desires the Engineers to expand the scope of work for the environmental assessment for the Westside Wastewater Treatment Plant.

WITNESSETH, that the parties hereto do mutually agree as follows:

ARTICLE I - DESCRIPTION OF PROJECT

The scope of services related to the project contained in the original Agreement as amended is to be modified by this Amendment No. 3 to include the surveying and field work for the stream improvements, updated alternative analysis and coordination meeting as described.

ARTICLE II - SERVICES TO BE PERFORMED

The following services shall be provided as described in detail in Attachment A:

- Stream Modeling and Meeting Preparation by Tetra Tech
- Surveying oversight by Tetra Tech including aerial survey

- Detailed Field Surveying by Davis, Martin & Powell
- Meetings and Coordination of Environmental Assessment
- Detailed Alternative Analysis

ARTICLE III - SCHEDULE

The work to be performed and the services to be rendered under this Amendment No. 3 shall commence approximately December 16, 2008 as directed by the OWNER and shall be coordinated with the construction schedule.

ARTICLE IV - COMPENSATION

For the project described in Article I and scope of services described in Article II of the original Agreement as amended and this Amendment No. 3, the OWNER shall pay the ENGINEERS all allowable and allocable costs that are incurred up to the cost ceilings indicated below under Basis of Compensation or the lump sum amounts contained therein.

BASIS OF COMPENSATION

	<u>Lump Sum</u>
Stream Modeling by Tetra Tech	\$55,000.00
Surveying oversight by Tetra Tech	\$43,795.00
Field Surveying by DMP	\$47,000.00
Meetings and Coordination for EA	\$25,000.00
Detailed Alternative Analysis	\$75,000.00
Arial Photography	\$10,000.00
Total	\$255,795.00

IN WITNESS WHEREOF, the parties hereto have made and executed this
Amendment No. 3 to the original Agreement this _____ day of
_____, 2008.

Attest:

CITY OF HIGH POINT, NORTH CAROLINA

By: _____
Pat Pate
Assistant City Manager

Date

Witness:

HAZEN AND SAWYER, P.C.

By: _____
James Cramer, P.E.
Vice President
Robert S. DiFiore, P.E.
Vice President

APPROVED BY FINANCE OFFICER

This instrument has been preaudited in the matter required by the Local
Government Budget and Fiscal Control Act.

Date

Finance Officer

APPROVAL BY CITY ATTORNEY

Approved as to form and legality:

Fred P. Baggett, City Attorney

Date

APPROVAL BY FINANCE OFFICER

This instrument has been preaudited in the manner required by the Local Government Budget and Fiscal Control Act.

Jeffrey A. Moore, Director of Financial Services

Date

Proposed Scope of Work – Amendment 4

**Stream Restoration Planning & Design
Services for Rich Fork Creek
Below the High Point Westside
Discharge**



**Tetra Tech, Inc.
PO Box 14409
Research Triangle Park, NC 27709**

September 19, 2008

1 Introduction

The City of High Point Westside wastewater treatment plant (WWTP) discharges to Rich Fork Creek, which flows into Abbotts Creek before entering High Rock Lake within the Yadkin River Basin. Data collected by the City and the North Carolina Division of Water Quality (DWQ) show that dissolved oxygen (DO) levels downstream frequently drop below the state water quality standard of 5 mg/L during the warmer summer months. The City is interested in expanding its WWTP discharge with a higher quality of effluent. However, DWQ has indicated that it is concerned about the apparent lack of assimilative capacity downstream of the facility.

The City and its engineering consultant, Hazen & Sawyer, contracted with Tetra Tech in November 2005 to provide third party expert services to examine whether more detailed modeling would help shed light on available assimilative capacity and discharge impacts. High-level modeling typically involves collection of significant amounts of field data to calibrate and validate models, which can be time and resource intensive. Prior to investing extensive City resources in such an endeavor, Tetra Tech recommended that a modeling scoping analysis be performed to assess the potential benefits of more detailed modeling.

The Scoping Analysis was completed by Tetra Tech in March 2006 as Phase 1 of the project. The analysis provided a compelling hypothesis that impairment to the Rich Fork Creek stream channel from sand mining operations at three locations below the Westside outfall, along with sediment oxygen demand (SOD) from a buildup of organic material below the discharge, is the primary cause of dissolved oxygen standard violations in Rich Fork Creek.

The next step in validating this hypothesis was to collect field data on velocity, SOD, and reaeration to confirm or update the QUAL2E model setup and analysis before pursuing stream restoration of the mining-impaired areas. Tetra Tech received approval of Amendment 1 in May 2006 authorizing Phase 2 of the project: field work to confirm or update the scoping modeling assumptions dependent on the results of the sampling. Tetra Tech developed monitoring plans, conducted reconnaissance, and completed SOD and reaeration field studies during the summer critical period in 2006. However, flow conditions did not reach critical levels for long enough durations to support low flow velocity studies and channel profiling work.

In late July 2007, stream flow and temperature levels had reached critical thresholds and the time of travel studies were performed and channel profiling was initiated. Rainfall events delayed some activity, and additional profiling work was conducted during the second week of August 2007. Results of the DO profiling were inconsistent, and based upon data analysis, Tetra Tech hypothesized that higher than normal plant effluent flows and rainfall events prior to sampling days had influenced the DO profile in the critical DO sag zone segment. Therefore, additional DO profiling was recommended to confirm which of the DO sag patterns is representative of summer low flow steady state conditions.

Amendment 2 was issued in September, 2007, to Tetra Tech to set up a special sampling plan and provide onsite training to City staff to conduct additional DO profiles at six points from upstream of the WWTP outfall to the end of the primary sag zone. The sampling was completed, and Tetra Tech proceeded to analyze all field data, and reconfigure the QUAL2E model to establish a calibrated model for existing conditions.

Additionally, under Amendment 2, Tetra Tech conducted initial Phase 3 work (restoration plan reconnaissance) in late October. The reconnaissance supported the feasibility of restoration from a physical standpoint, and conceptual ideas were developed. Modeling analyses with the recalibrated model were then performed to evaluate the potential improvements to stream assimilative capacity from the proposed restoration. Results were presented to the City and Hazen & Sawyer representatives on

December 10, 2007 in High Point. Written documentation submitted to Hazen & Sawyer and the City in January 2008.

Amendment 3 was issued to Tetra Tech in January 2008. Under the amended Scope, Tetra Tech was tasked to meet with the Division of Water Quality to present results of the monitoring study and QUAL2E model update. Amendment 3 also provides for initial discussion with the U.S. Army Corps of Engineers, DWQ and the NC Dept. of Transportation to begin discussing the proposed stream restoration and tree clearing actions recommended as an outcome of the updated modeling analysis.

This Amendment Number 4 will support the remainder of Phase 3 Restoration Planning and Design. Five subtasks (3.3 – 3.6) will be conducted as described below.

2 Description of Work

PHASE 3 (CONTINUED)

TASK 3.3: STREAM CHANNEL SURVEY OVERSIGHT

Tetra Tech will provide planning and general oversight of stream channel survey work that will support restoration design and planning for the tree-clearing from the stream channel. Three types of survey information are needed: 1) cross-sectional at the three existing sand mining pool areas, 2) longitudinal streambed depth between the WWTP outfall and the Kanoy Road pool, and 3) aerial digital photography of the stream channel and adjacent buffer between the WWTP outfall and Kanoy Road pool.

Tetra Tech will advise the subcontracted Survey team regarding survey cross-sectional and depth survey locations and types of information required. Tetra Tech will supply one staff member to accompany each surveying team ensuring that information collected meets the project objective. It is anticipated that the surveying will be completed within 2 - 3 weeks using two surveying teams.

Tetra Tech will subcontract with a local aerial photographing firm to conduct a flyover to produce 0.5 ft pixel imagery and deliver a seamless mosaic of digital orthophotography. These digital files will support the Tetra Tech field team in preparing for and conducting both restoration design and tree removal/channel flow enhancement. Tetra Tech will help design the flight mission, oversee the subcontractor, and catalog the results.

Deliverables and Schedule:

1. Finalize Survey Plan (by October 31, 2008)
2. Provide two professional staff to accompany two surveying teams in field (tentatively planned for November 2008)
3. Flight plan design for aerial photography (December 2008)
4. Cataloged survey results (January - February 2009)

TASK 3.4: HYDROLOGY & HYDRAULICS MODELING

Tetra Tech will obtain and analyze any available (pre-existing) hydrology & hydraulics (H&H) studies such as those typically developed for FEMA. In order to estimate hydrologic impacts by the future land use, a HEC-HMS model will have to be assembled. Tetra Tech will contact the Piedmont Triad Council of Governments to determine the best available information for estimating future land use and land cover in the Rich Fork Creek watershed. Tetra Tech will then build a HEC-RAS model for the portion of



stream channel between the WWTP outfall and Kanoy Road pool, incorporating survey results from Task 3.3, HEC-HMS results (based on land use and land cover information from Task 3.4), and the available H&H studies for Rich Fork Creek. Tetra Tech will develop model applications for existing and project conditions considering the impacts on hydrology from anticipated future land use.

Deliverables and Schedule:

1. H&H internal memo to support restoration design (March, 2009)

TASK 3.5: CONSTRUCTION PLANS & SPECIFICATIONS

Tetra Tech will design restoration plans for the three pooled areas (Hwy 109; Ball Road; and Kanoy Road) and prepare construction plans, specifications, cut and fill estimates, an erosion and sedimentation control plan, and cost estimates. Designs will incorporate the survey information from Task 3.3 and the H&H modeling results from Task 3.5. Plans will be sufficient to support obtaining necessary permits from regulatory agencies and for obtaining construction bid estimates. It is assumed that the Erosion and Sedimentation Control Plan will be reviewed by the County in addition to the NC Division of Land Resources.

Deliverables and Schedule:

1. 60 percent Construction plans for internal discussion (May, 2009)
2. 100 percent Construction plans, specifications, and Erosion and Sedimentation Control Plan (July, 2009)

TASK 3.6: AGENCY COORDINATION/PERMITTING SUPPORT

Tetra Tech will support the City in obtaining required permits for stream restoration activities. Discussion with the U.S. Army Corps of Engineers (USACE) Regulatory Program representative for Davidson County, it is anticipated that a Nationwide 27 permit will be required (John Thomas, USACE, 9-19-08). Under this permit, a joint application for USACE and North Carolina Division of Water Quality (DWQ) review will be completed (Pre-Construction Notification or PCN application form). Additionally, approval of the Erosion and Sedimentation Control Plan will be required by the Division of Land Resources. Approval of this latter plan is usually held until the USACE and DWQ have approved the Nationwide 27 permit.

Tetra Tech will coordinate with the City, USACE and DWQ representatives to ensure that a complete application package is developed and submitted. Tetra Tech will complete the application form, and determine impacts and whether those impacts will require mitigation. This scope assumes that the project will not require an environmental document under NEPA/SEPA since it is a Nationwide 27 permit application.

Deliverables and Schedule:

1. Meetings and correspondence with agencies to ensure complete application (TBD)
2. Completed Permit Application (July 2009)



3 Cost

PHASE 3 – TASKS 3.3 THROUGH 3.7

Description of Cost Item	Amount \$
3.3 Surveying Oversight (surveyor costs provided separately)	\$43,795
3.5 H&H Modeling	\$51,346
3.6 Construction Plans, Specifications, Erosion & Sedimentation Control Plan, Cost Estimates	\$154,526
3.7 Agency Coordinating/Permitting Support	\$25,024
Project Coordination and Management	\$10,754
Phase 3 Amendment 4 Total	\$285,445
Contingency	\$14,555
Total with Contingency	\$300,000



DAVIS-MARTIN-POWELL & ASSOCIATES, INC.

ENGINEERING • LAND PLANNING • SURVEYING

8415 Old Plank Road, High Point, NC 27265

(336) 886-4821 • Fax (336) 886-4458 • www.dmp-inc.com

October 10, 2008

Re: City of High Point, NC
Westside WWTP Expansion
DMP Project E-3692.31

Mr. Alan Stone, PE
Hazen and Sawyer, P.C.
4011 Westchase Blvd.
Raleigh, NC 27607

Dear Alan:

We are submitting this fee proposal for Surveying Services in support of Tetrattech modeling downstream from the High Point Westside Treatment Plant. As you recall, Tetrattech is requiring 3.9 miles of surveys downstream from the Westside Treatment Plant, which includes a centerline survey of the receiving creek and thalway points in the channel every 200 to 250 feet. In addition, we would also show X and Y coordinates which would provide a profile of the bottom of the creek.

There are three pools that have been created by mining of sand along the length of this stream, one at Highway 109, one at Ball Road and one at Kanoy Road. Each of these pools is 500 to 800 feet long and Tetrattech has requested cross sections every 200 feet for the entire length plus 500 feet upstream through the pool and 500 feet downstream. These cross sections would extend five times the bank height beyond the edge of the creek. We are basing upon the pool width of 500 to 600 foot, cross sections at each of these proposing 8 to 9 cross sections at each pool.

After the field work has been prepared, we would develop Plan Profile sheets along the centerline of the creek and for the cross sections taken at each of the three above described pools. These would be plotted at 4 foot horizontal and 4 foot vertical scales and would be suitable for use in the Tetrattech design of the stream restoration.

Our cost for these Plan Profile sections including X, Y, Z for future control would be a lump sum fee of \$47,000.

In addition, the City of High Point will be required to secure right-of-ways and easements along this length. We anticipate that we would have approximately 15 different property owners in this area and total sites in excess of 300 acres requiring boundary and location surveys to generate easement maps. These maps would probably cost in the area of \$240 per acre which is reasonable cost for easements in this type of area where surveying has not previously been accomplished. Therefore, we would provide these easement services at a lump sum fee of \$84,000.

Alan, we understand that this is a very involved project and that the cost is significant, however not excessive. We appreciate the opportunity of working with you on this project and providing this

service for the City of High Point and look forward to continuing the planned improvements for High Point Westside Wastewater Treatment Plant.

If you or the City has any questions regarding these projected cost we would be pleased to talk with you about it in detail.

With best personal regards, I remain,

Very truly yours,

DAVIS-MARTIN-POWELL & ASSOCIATES, INC.



Charles E. Powell, PLS, PE

CP/dd

C: File