

Agenda Item is over 50 pages can be reviewed in the Minutes Department.

Agenda Item #: 3-C-5

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

| | | | | | |
|-----------------------|---------------------------------------|-------------------------------------|-----------------|--------------------------|-----------------------|
| Meeting Date: | October 19, 2010 | <input checked="" type="checkbox"/> | Consent | <input type="checkbox"/> | Regular |
| | | <input type="checkbox"/> | Workshop | <input type="checkbox"/> | Public Hearing |
| Department: | | | | | |
| Submitted By: | Engineering & Public Works Department | | | | |
| Submitted For: | Roadway Production Division | | | | |

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Supplemental Agreement No. 2 to Project Agreement R2009-1135 in the amount of \$149,228.01 with Wantman Group, Inc. for professional services.

SUMMARY: Approval of this Supplemental Agreement will provide the services necessary for the preparation of design plans and construction bid documents for Community Drive and Military Trail Intersection Improvements.

District 2 (PK)

Background and Justification: On July 21, 2009, the Board of County Commissioners (Board) approved an Agreement R2009-1135 with Wantman Group, Inc. (WGI) to provide professional services required to prepare a preliminary study for the Community Drive and Military Trail Intersection Improvements (Project). Palm Beach County now desires WGI to prepare design plans and construction bid documents for the Project, as detailed in Exhibit "A" of the attached Supplemental Agreement. The Small Business Enterprise (SBE) goal for the Project is 15%. The SBE participation committed for this supplement by WGI is 17.69%. The fee, as detailed in Exhibit "A" of the attached Supplemental Agreement, has been negotiated as just and reasonable compensation as follows:

| | | |
|---|---------------------|---|
| Basic Services (Lump Sum) | \$113,917.06 | (Roadway Design and Plans, Drainage Design and Plans, Permitting, Environmental, Structural and Traffic Engineering). |
| Reimbursable Expenses (Not to Exceed).... | \$ 24,932.50 | (Survey, Geotechnical and Reproduction). |
| Optional Services (Not to Exceed)..... | \$ <u>10,378.45</u> | (Post Design and Geotechnical Services). |
| Total: | <u>\$149,228.01</u> | |

After reviewing the attached Supplemental Agreement and finding it in proper order, staff recommends the Board's approval.

Attachments:

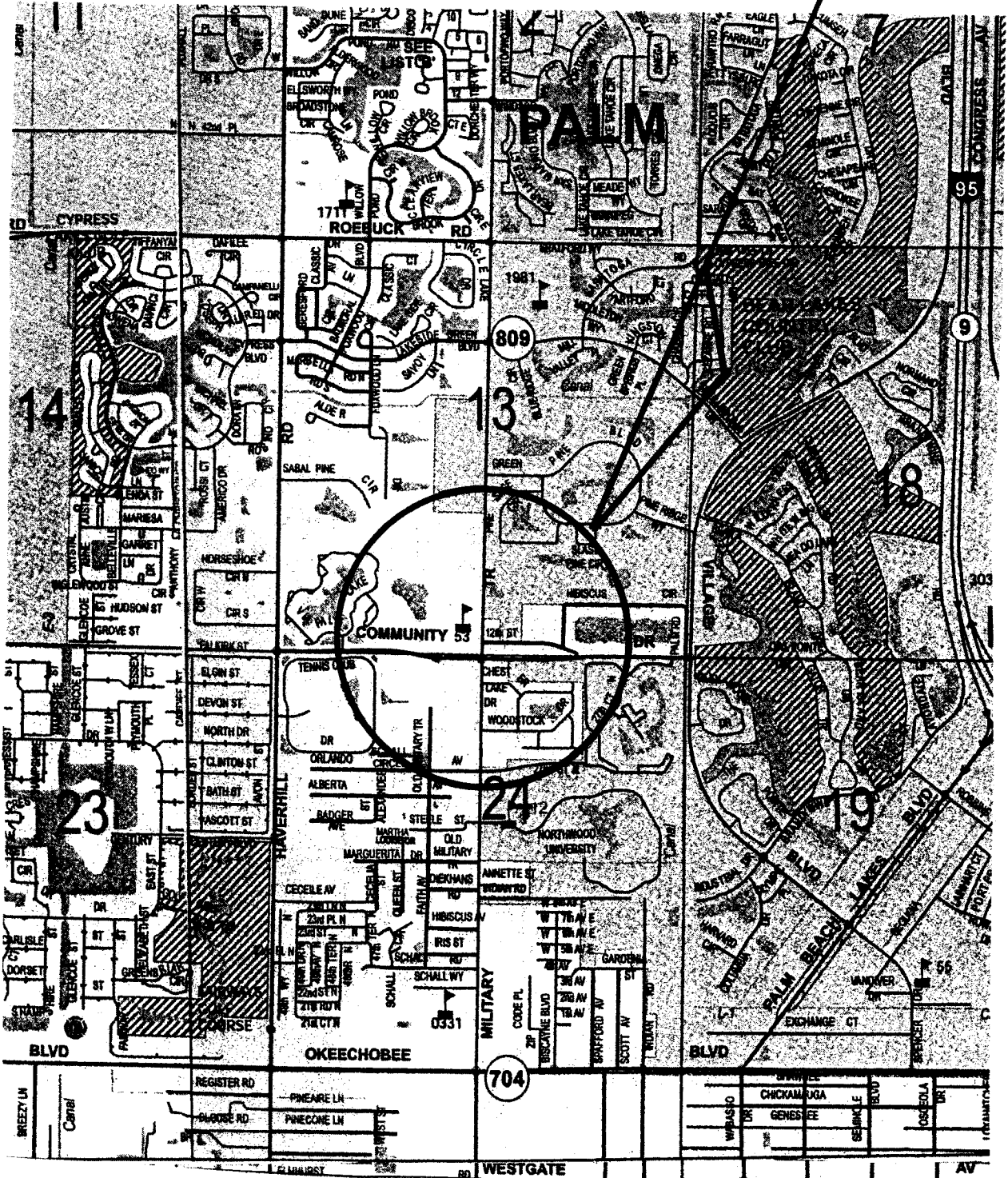
1. Location Map
2. Supplemental Agreement with Exhibits and Certificate of Insurance (2)
3. Project Work Schedule

=====

Recommended by: *[Signature]* 9/21/10
 Division Director Date

Approved By: *[Signature]* 10/5/10
 County Engineer Date

**COMMUNITY DRIVE AND MILITARY TRAIL
INTERSECTION IMPROVEMENTS
PALM BEACH COUNTY PROJECT NO. 2004525**



LOCATION SKETCH

ATTACHMENT 2

SUPPLEMENTAL AGREEMENT BETWEEN

**PALM BEACH COUNTY
AND
WANTMAN GROUP, INC.**

FOR PROFESSIONAL ENGINEERING SERVICES ON

**COMMUNITY DRIVE AND MILITARY TRAIL
INTERSECTION IMPROVEMENTS**

**PROJECT #: 2004525
PALM BEACH COUNTY, FLORIDA**

THIS SUPPLEMENTAL AGREEMENT No. 2, made and entered into this day of _____ 2010 by and between Palm Beach County, hereinafter COUNTY, and, Wantman Group, Inc., a Florida Corporation with an address of 2035 Vista Parkway, Suite 100, West Palm Beach, Florida 33411, hereinafter CONSULTANT.

WITNESSETH

WHEREAS, the COUNTY and CONSULTANT entered into a Project Agreement dated July 21, 2009 (R2009-1135), to provide professional engineering services required to prepare a preliminary study for Community Drive and Military Trail Intersection Improvements, Palm Beach County, Florida (hereinafter PROJECT); and.

WHEREAS, the COUNTY now desires for the CONSULTANT to prepare design plans and construction bid documents for the PROJECT; and

WHEREAS, the following fee has been negotiated as just and reasonable compensation for these professional services to be performed by the CONSULTANT:

**RE: Community Drive and Military Trail Intersection Improvements
Project No. 2004525**

Basic Services in a lump sum fee of **\$113,917.06**;

Reimbursable Services (Not to Exceed) \$ 24,932.50;

Optional Services (Not to Exceed) \$ 10,378.45;

Totaling \$149,228.01

NOW, THEREFORE, THIS INDENTURE WITNESSETH: That for and in consideration of the mutual benefits to flow from each to the other, the parties hereto agree as follows:

1. The **CONSULTANT** agrees to provide professional services as described in Exhibit "A" of the Agreement known as "SCOPE OF WORK & FEE".
2. The **CONSULTANT** agrees to "CERTIFICATION" statements as described in Exhibit "B" of the Agreement.
3. The **CONSULTANT** agrees to Small Business Enterprise (SBE) Participation, described in Exhibit "C" of the Agreement.
4. The **CONSULTANT** has provided sub-consultants Letter of Intent to perform as an SBE as described in Exhibit "D" of the Authorization.
5. The **COUNTY** agrees to pay the **CONSULTANT** a fee of One Hundred Forty-Nine Thousand Two Hundred Twenty-Eight Dollars and One Cent (\$149,228.01).
6. The **CONSULTANT** agrees to indemnify, defend and hold harmless the **COUNTY** against all claims that may arise as a result of negligence, wrongdoing, misconduct or want of care by the **CONSULTANT**.

Except as hereby amended, changed or modified, all other terms and conditions of the original Agreement dated **July 21, 2009 (R2009-1135)**, and;

Supplements and Amendments thereto, shall remain in full force and effect.

**RE: Community Drive and Military Trail Intersection Improvements
Project No. 2004525**

IN WITNESS WHEREOF, the parties hereto have made and executed this Authorization as of the day and year first above written.

OWNER:

**Palm Beach County, Florida, a
Political Subdivision of the
State of Florida**

CONSULTANT:

**Wantman Group, Inc.
a Florida Corporation**

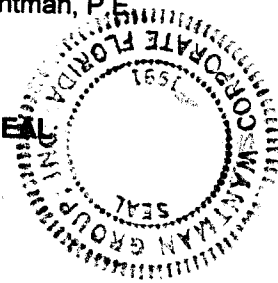
BOARD OF COUNTY COMMISSIONERS

BY: _____
~~Burt Aaronson, Chair~~
Burt Aaronson, Chair

BY: _____
David Wantman, P.E.
President

ATTEST:
Sharon R. Bock, Clerk & Comptroller
Circuit Court

CORPORATE SEAL



BY: _____
Deputy Clerk

WITNESS:

BY: _____
Dathleen Fontaine

SEAL

Dathleen Fontaine
(Printed Name)

**APPROVED AS TO TERMS
AND CONDITIONS:**

BY: _____
Omela A. Ferment

BY: _____
Dawn Marie Cox

**APPROVED AS TO FORM & LEGAL
SUFFICIENCY:**

Dawn Marie Cox
(Printed Name)

County Attorney

EXHIBIT "A"

**COMMUNITY DRIVE /
MILITARY TRAIL
INTERSECTION IMPROVEMENTS**

*OK as to
slope & fee.
VGF
9/10/10*

**PALM BEACH COUNTY PROJECT
NO. 2004525**

**DESIGN SCOPE, STAFF HOUR
AND FEE ESTIMATE**

*OK to proceed.
M. J. [Signature]
9/10/10*

PREPARED FOR:



PREPARED BY:



Wantman Group, Inc.
2035 Vista Parkway, Suite 100 • West Palm Beach, Florida 33411
(561) 687-2220 • (561) 687-1110 (fax)
e-mail: wgi@wantmangroup.com
Cert. No. 6091

April 23, 2010

Revised: 7/8/10, 8/18/10, 9/10/10

SCOPE OF SERVICES

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Community Drive and Military Trail Intersection Improvements

April 23, 2010

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SCOPE OF SERVICES

Community Drive and Military Trail Intersection Improvements

Palm Beach County Project Number: 2004525

April 23, 2010

I. DESCRIPTION

The Community Drive design project involves improvements to the Palm Beach County collector facility at the Military Trail intersection, spanning an approximate distance of 0.50 miles.

The project consists of improving the intersection of Community Drive and Military Trail by adding dual left turn lanes at both the east and west approach. Roadway improvements are being driven by the immediate need to address substandard intersection capacity and issues associated with access management. The overall design effort will include horizontal and vertical alignments, roadway typical sections, closed drainage conveyance systems, use of existing stormwater management facilities, permitting through multiple agencies, utility coordination, signing and pavement markings, signal modifications, intersection traffic volume analysis, topographic survey, geotechnical investigation, and optional services.

II. OBJECTIVES

The Wantman Group, Inc. (WGI) and its subconsultant partners (Design Team) shall design and prepare a complete set of construction plans and secure the appropriate permits for construction within the specified project limits. Elements of work will include:

- A. Roadway Design
- B. Drainage Design
- C. Environmental Permitting
- D. Utilities
- E. Structural & Signal Foundation Design
- F. Lighting Design (Not Required)
- G. Signing and Pavement Marking Plans
- H. Survey Services
- I. Geotechnical Services
- J. Aerial Photography

- K. Miscellaneous Agency Coordination
- L. Optional Services

III. SCOPE OF SERVICES

The services to be provided within the limits of the Scope of Services shall address items A through L in Section II in accordance with the Palm Beach County (PBC) Thoroughfare Road Design Procedures, February 2006, and the latest State criteria, as applicable and as expanded below.

A. ROADWAY DESIGN

Roadway Design will include a complete set of roadway plans and permits required for construction. The roadway design will include the following:

1. Roadway plans that provide a divided 4-lane urban facility, with dual left turn lanes at both the east and west approach, within the previously described project limits. This effort will include (at a minimum): Key Sheet, Drainage Maps at a scale of 1"= 200', Typical Sections and Notes, Summary of Quantities, General Notes, Plan and Profile Sheets on PBC raster imagery base maps at a scale of 1"= 40', Intersection Details, Cross Sections at 100' intervals, Quantities and Computation Books with 96% and final phase submittals, Cost Estimates with the 65%, 96% and final phase submittals and other detail sheets as necessary to produce final construction plans.
 2. Typical Section development was based on the following criteria during the Study Phase:
 - a. Existing right-of-way (R/W),
 - b. Addition of dual left turn lanes (eastbound & westbound),
 - c. Traffic separation using 7' curbed median,
 - d. Sidewalk on both sides of Community Drive,
 - e. Drainage requirements,
 - f. Maximum design speed based on horizontal and vertical constraints, and
 - g. Curb and gutter on the outside.
- Two (2) typical sections, developed from the criteria listed above, were approved by PBC during the Study Phase. The final design will be based on these typical sections.
3. All design elements will be based on an existing R/W width of 80', with one exception. The east approach has an existing R/W width of 94.5' that runs east for approximately 240' before tapering to 80'.

4. A preliminary horizontal alignment was established during the Study Phase and is based on the existing R/W. Initial evaluations of the horizontal alignment indicate a maximum design speed of 40 mph will be established for both the horizontal and vertical geometry. As such, superelevation will not be required, as per FDOT's design standards.
5. Pavement Design, Value Engineering, and Traffic Control Plans are items not required.
6. One intersection grading detail will be provided for the intersection of Community Drive and Military Trail.
7. Accommodations for the inclusion of PBC's standard u-turn movement (52' width) were made at the intersection during the Study Phase and will be incorporated in the final design.
8. The Design Team will participate in the kick-off meeting with the appropriate PBC staff in order to define key concerns, stakeholders, and protocols for communication and submittals. Additionally, the Design Team will participate in regularly scheduled team progress and coordination meetings throughout the life of the project. This scope assumes at least one (1) meeting with PBC personnel every three (3) months, over a 12-month period, exclusive of phase review meetings.
9. All plans and specifications will be prepared in accordance with the latest PBC and Florida Department of Transportation (FDOT) Standards, as applicable. This includes the 2010 FDOT Roadway and Traffic Design Standards Index, the 2007 Standard Specifications for Road and Bridge Construction and the 2009 Manual of Uniform Minimum Standards for Design, Construction, and Maintenance of Streets and Highways (i.e. "Florida Green Book").

B. DRAINAGE DESIGN

Drainage requirements for the proposed improvements will be determined through research, documentation, and evaluation of existing and proposed conditions along the project corridor. Specific activities include:

- a. Identifying existing soils data from the Palm Beach Soil Survey and geotechnical data collected,
- b. Reviewing USGS topographic data,
- c. Identifying existing drainage patterns,
- d. Investigating existing and proposed South Florida Water Management District (SFWMD) permits for this area,
- e. Identifying SFWMD criteria for water quality and quantity,

- f. Reviewing FEMA and SFWMD Floodplain maps to identify encroachments,
- g. Investigating existing Northern Palm Beach County Improvement District (NPBCID) Plans and permits for this area.

Initial assessment indicates that exfiltration will be necessary to provide the required treatment and attenuation associated with the improvements for the Community Drive west drainage basin. The required treatment associated with the east drainage basin is provided within the Archstone Village Apartments central pond.

Once existing conditions have been accurately determined, the proposed drainage systems will be laid out and evaluated using the existing data and the following criteria:

- Design storm sewer systems to meet County hydrologic design criteria for hydraulic clearances,
- Evaluate proposed inlet locations for spread,
- Analysis of Archstone Village Apartments stormwater management system to determine available capacity,
- Design of floodplain encroachment compensation, if necessary.

The drainage design and associated plans will be prepared in conformance with South Florida Water Management District (SFWMD) criteria.

A drainage report will also be prepared to discuss results of the analysis while providing drainage documentation of the proposed drainage design. The report will include calculations, computer-generated analysis, exhibits for stormwater management sections and drainage maps. The report will be of sufficient detail to demonstrate compliance with County standards and will be used to secure all required permits.

C. ENVIRONMENTAL PERMITTING

The Design Team will complete the following tasks as part of the Environmental work effort:

1. Environmental Permitting – The permitting process will consist of all necessary documentation assembly to apply for an Environmental Resource Permit (ERP). The Design Team will prepare the Joint Environmental Resource Permit and associated exhibits (Aerial, FLUCFCS, Quadrangle, Location and Soils Maps). The Design Team will respond to up to two (2) requests for additional information from each of the regulatory agencies.

Additional activities, to be coordinated by WGI, include permit application submittals to the Northern Palm Beach County Improvement District (NBPCID) and Florida Department of Transportation (FDOT) – District IV.

2. Meeting Attendance – In addition to attending the meetings listed in Section III.A.7, two meetings are anticipated for the environmental permitting process. The following is a list of anticipated meetings:

- 1 Pre-application meeting with the SFWMD.
- 1 Pre-application meeting with the NPBCID.

D. UTILITIES

The Design Team will assist Palm Beach County in the utility coordination effort. We will attend two (2) utility coordination meetings (post-65% and post-96% submittals), review Utility Agency Owner's (UAO) "red-lined" plans, and plot applicable utility information on the roadway plans. Disposition of existing utilities, as provided by utility agencies, will be depicted on the roadway plan and profiles sheets as well, if necessary.

E. STRUCTURAL AND SIGNAL FOUNDATION DESIGN

Bridge Design Associates, Inc. (BDA) will provide complete Structural Design of two new mast arms. These new mast arms will be needed to replace the existing poles and mast arms located in the NW and SE corner of Community Drive and Military Trail. The existing poles are being impacted by the preliminary geometrical layout that was presented during the Study Phase. See their attached Scope of Services for additional information.

WGI will perform all signal design (including signal plan production) that is required at the intersection of Community Drive and Military Trail. Signal head modifications will be necessary to accommodate the additional turn lanes at the east and west approach. BDA will provide structural analysis support.

Internally illuminated sign replacements may be required at the intersection of Community Drive and Military Trail. If necessary, the design effort for these replacement signs will be addressed with a supplemental agreement.

F. LIGHTING DESIGN

Lighting Design is not required and will therefore not be included in the Design Phase. All plans and electronic files will be provided to PBC Street Lighting Division, as necessary, should any lighting be required. Existing lighting is found only within the limits of unincorporated Palm Beach County (west of Military Trail).

G. SIGNING AND PAVEMENT MARKING PLANS

Signing and Pavement Marking Plans will be prepared in accordance with PBC and FDOT Standards, as applicable, and will be a separate component plan set. Pinder Troutman (PTC) will assist with the signing and pavement marking plans. See PTC proposal for further detail.

H. SURVEY SERVICES

Brown & Phillips, Inc. (B&P) will provide legal descriptions and parcel sketches associated with this project; see B&P proposal for further detail. B&P provided all necessary Survey Services (i.e., existing topography and R/W) during Phase I. If additional topographic data is needed, additional Survey Services will be addressed through a Supplemental Agreement. Title work on properties located within the project was completed by PBC during the Study Phase.

I. GEOTECHNICAL SERVICES

Tierra South Florida, Inc. (TSF) will provide all Geotechnical Services as detailed in their attached Scope of Services. The required Phase I Environmental Assessment Report (EAR) was completed in the Study Phase and no effort associated with this EAR will be included in the Design Phase.

J. AERIAL PHOTOGRAPHY

Aerial photography for the entire corridor has already been provided by PBC and is suitable for output at 1"= 40' (Plan Sheets) and 1"= 200' (Drainage Maps).

K. MISCELLANEOUS AGENCY COORDINATION

It is anticipated that coordination will be required with the following agencies during project development and analysis:

- PBC Engineering & Public Works (PBC)
- Florida Department of Transportation (FDOT) – District IV
- United States Army Corps of Engineers (USACE)
- South Florida Water Management District (SFWMD)
- Northern Palm Beach County Improvement District (NPBCID)

All anticipated meetings with these agencies are outlined in their corresponding scope tasks listed above.

L. OPTIONAL SERVICES

- a) Post Design Services – WGI will provide Post Design Services during the project's construction phase as an Optional Service.
- b) See Tierra's proposal for additional detail regarding standard penetration tests (SPT) in the event a 3rd and/or 4th new mast arm at the SW and NE corners of Community Drive and Military Trail are needed.

IV. REIMBURSABLE EXPENSES

The Design Team will be reimbursed for all printing services related to project milestones and submittals and as outlined in this Scope of Services.

Geotechnical Engineering and permit fees are also considered reimbursable expenses.

V. GENERAL REQUIREMENTS FOR WORK

A. DESIGN TEAM'S SCHEDULE OF ACTIVITIES

The Design Team will submit a schedule of project milestones with the negotiated staff hour and fee package for Palm Beach County Board of County Commission approval. This schedule will be revised and resubmitted ten (10) business days following receipt of written County Notice to Proceed. For purposes of scheduling, the Design Team shall allow three (3) weeks review time for the 65% Plans, 96% Plans and 100% Plans. However, the schedule will be updated and resubmitted for the County's approval throughout the course of the project based on actual review times.

B. PHASE REVIEWS

Interim Plan Submittals will include the following:

- Seven (7) sets of 11"x 17" Plans (5 Bound / 2 Unbound)
- One (1) copy of the Design Documentation Notebook – to be submitted with the final plans ONLY.

In addition, up to thirty-five (35) sets of 11"x17" plans will be provided for utility coordination as follows:

- | | |
|---|-------------------|
| <input type="checkbox"/> Initial Utility Contact | Fifteen (15) Sets |
| <input type="checkbox"/> 1 st Utility Coordination Meeting | Ten (10) Sets |
| <input type="checkbox"/> Final Utility Coordination Meeting | Ten (10) Sets |

PBC will reproduce additional plans as may be needed beyond the limit listed above.

The Final Plans Submittal will include the following:

- One (1) original Construction Plan set (signed and sealed),
- Three (3) copies of Construction Plans (Bound),
- One (1) copy of the Quantity Computation Books,
- One (1) copy of the final Design Documentation Notebook,
- One (1) copy of all the design files on CD,
- All required environmental permits, and
- Responses to final comments.

VI. COUNTY RESPONSIBILITIES

The County shall provide the Design Team with adequate information regarding the County's requirements for the project including any desired or required design or construction schedule, any budgetary requirements, and any existing files, plans or other engineering information deemed appropriate.

The County shall review any documents submitted by the Design Team requiring the County's decision and shall render any required decision pertaining thereto.

If the County becomes aware of any fault or defect in the project or of any errors, omissions or inconsistencies in the design documents or specifications, the County shall give prompt notice to the Design Team.

The County's review of any documents prepared by the Design Team or its subconsultants shall be solely for the purpose of determining whether such documents are generally consistent with the County's road program and intent. No review of such documents shall relieve the Design Team of its responsibility for the accuracy, adequacy, or suitability and coordination of its work product.

The County shall designate in writing a representative or representatives to represent the County in all technical matters pertaining to and arising from the work and performance of this Scope of Services.

VII. LENGTH OF SERVICES

The Basic Services will be completed within 10 months from the date of the Letter of Authorization.

FEE ESTIMATE

Master Summary - Estimate of Work Effort & Fee Proposal

PBC Project No.: 2004525
 WGI Project No.: 20810871.00
 Job Description: COMMUNITY & MILITARY - INTERSECTION IMPROVEMENTS

Consultant: WANTMAN GROUP, INC.
 Date Prepared: September 13, 2010
 From: 1000' West of Military Trail
 To: 1500' East of Military Trail
 Length: 0.5 miles

| Work Element / Activity | Project Manager | | Senior Engineer | | Engineer | | Engineer Intern | | Senior CADD Technician | | Total Man Hours By Activity | Salary Cost By Activity |
|---------------------------------------|-----------------|-------------------|-----------------|-------------------|-------------|-------------------|-----------------|-------------------|------------------------|-------------------|-----------------------------|-------------------------|
| | Staff Hours | Hourly Rate | Staff Hours | Hourly Rate | Staff Hours | Hourly Rate | Staff Hours | Hourly Rate | Staff Hours | Hourly Rate | | |
| A. ROADWAY DESIGN PLANS | 63 | \$50.94 | 106 | \$47.41 | 132 | \$38.20 | 106 | \$29.15 | 131 | \$25.91 | 828 | \$19,175.23 |
| B. DRAINAGE DESIGN PLANS & PERMITTING | 23 | \$50.94 | 48 | \$47.41 | 87 | \$38.20 | 48 | \$29.15 | 88 | \$25.91 | 236 | \$8,245.18 |
| C. SIGNING & MARKING PLANS | 18 | \$50.94 | 19 | \$47.41 | 24 | \$38.20 | 19 | \$29.15 | 24 | \$25.91 | 96 | \$3,502.88 |
| D. SIGNAL PLANS | 7 | \$50.94 | 14 | \$47.41 | 18 | \$38.20 | 14 | \$29.15 | 18 | \$25.91 | 72 | \$2,808.31 |
| E. ENVIRONMENTAL SERVICES | 3 | \$50.94 | 6 | \$47.41 | 8 | \$38.20 | 6 | \$29.15 | 9 | \$25.91 | 32 | \$1,150.97 |
| Totals | 96 | \$4,890.24 | 189 | \$8,960.48 | 239 | \$8,128.80 | 189 | \$5,508.35 | 239 | \$6,182.49 | 962 | \$34,682.37 |

| Total Burdened Salary Costs By Activity | |
|---|---------------------|
| A. ROADWAY DESIGN PLANS | \$87,525.88 |
| B. DRAINAGE DESIGN PLANS & PERMITTING | \$24,735.52 |
| C. SIGNING & MARKING PLANS | \$10,508.04 |
| D. SIGNAL PLANS | \$7,824.83 |
| E. ENVIRONMENTAL SERVICES | \$3,482.91 |
| Total | \$104,947.84 |

| Subconsultant Fees | |
|-------------------------------------|--------------------|
| A. Brown & Phillips, Inc. | \$6,750.00 |
| B. Tierra South Florida, Inc. | \$4,895.00 |
| C. Pinder Troutman Consulting, Inc. | \$4,332.00 |
| D. Bridge Design Associates, Inc. | \$5,538.00 |
| Total | \$21,515.00 |

| Optional Services | |
|-------------------------------|-------------------|
| A. Post Design Services (WGI) | \$5,483.45 |
| Subtotal | \$5,483.45 |

| Optional Services (Reimbursables) | |
|-----------------------------------|--------------------|
| B. Tierra South Florida | \$4,895.00 |
| Subtotal | \$4,895.00 |
| Total | \$10,378.45 |

| Permit Fees | |
|--|--------------------|
| A. Florida Department of Transportation (FDOT - District IV) | \$0.00 |
| B. South Florida Water Management District (SFWMD) | \$3,500.00 |
| C. Northern Palm Beach County Improvement District (NPBCID) | \$7,500.00 |
| Total | \$11,000.00 |

| Total Contract Fee Computations | |
|---|--------------------------|
| Total Activity Salary Costs | \$34,682.37 |
| 1.) Overhead Additives | |
| a.) Combined Administrative & General & Fringe Benefits Cost (limited to PBC maximum) | ✓ 167.857% ✓ \$58,216.79 |
| Subtotal (Salaries + Combined Overhead) | ✓ \$92,899.16 |
| 2.) Operating Margin Cost (Fixed Fee) | ✓ 12% ✓ \$11,147.90 |
| Subtotal (Burdened Salaries + Operating Margin) | ✓ \$104,047.06 |
| BASIC LUMP SUM FEE (WGI) | \$104,047.06 |
| Subconsultants | |
| Pinder Troutman Consulting, Inc. | ✓ \$4,332.00 |
| Bridge Design Associates, Inc. | ✓ \$5,538.00 |
| TOTAL LUMP SUM FEE | ✓ \$113,917.06 |

| REIMBURSABLE EXPENSES | |
|------------------------------------|----------------------|
| Permit Fees (WGI) | |
| Brown & Phillips, Inc. | ✓ \$11,000.00 |
| Tierra South Florida, Inc. | ✓ \$6,750.00 |
| Reproduction (WGI) | ✓ \$4,895.00 |
| | ✓ \$2,287.50 |
| TOTAL REIMBURSABLE EXPENSES | ✓ \$24,932.50 |

| | |
|--|-----------------------|
| OPTIONAL SERVICES (INCL: REIMBURSABLES) | \$10,378.45 |
| TOTAL MAXIMUM LIMITING FEE | ✓ \$149,228.01 |

✓ * 2.999% Multiplier

Optional Services - Estimate of Work Effort & Fees

PBC Project No.: 2004625
 WGI Project No.: 20810871.00
 Job Description: COMMUNITY & MILITARY - INTERSECTION IMPROVEMENTS

Consultant: WANTMAN GROUP, INC.
 Date Prepared: September 13, 2010
 From: 1000' West of Military Trail
 To: 1500' East of Military Trail
 Length: 0.6 miles

| Work Element / Activity | Project Manager | | Senior Engineer | | Engineer | | Engineer Intern | | Senior CADD Technician | | Total Man Hours By Activity | Salary Cost By Activity |
|-------------------------|-----------------|-----------------|-----------------|-----------------|-------------|-----------------|-----------------|-----------------|------------------------|-----------------|-----------------------------|-------------------------|
| | Staff Hours | Hourly Rate | Staff Hours | Hourly Rate | Staff Hours | Hourly Rate | Staff Hours | Hourly Rate | Staff Hours | Hourly Rate | | |
| A. POST DESIGN SERVICES | 5 | \$60.94 | 10 | \$47.41 | 13 | \$38.20 | 10 | \$29.15 | 12 | \$25.91 | 60 | \$1,827.82 |
| Totals | 5 | \$254.70 | 10 | \$474.10 | 13 | \$486.60 | 10 | \$291.60 | 12 | \$310.92 | 60 | \$1,827.82 |

| Total Burdened Salary Costs By Activity | |
|---|-------------------|
| A. POST DESIGN SERVICES | \$5,483.46 |
| Total | \$5,483.46 |

| Subconsultant Fees / Reimbursables | |
|------------------------------------|-------------------|
| B. Tierra South Florida | \$4,895.00 |
| Total | \$4,895.00 |

| Total Contract Fee Computations | | |
|---|----------|-------------------|
| Total Activity Salary Costs | | \$1,827.82 |
| 1.) Overhead Additives | | |
| a.) Combined Administrative & General & Fringe Benefits Cost (limited to PBC maximum) | 167.857% | \$3,068.12 |
| Subtotal (Salaries + Combined Overhead) | | \$4,895.94 |
| 2.) Operating Margin Cost (Fixed Fee) | 12% | \$587.51 |
| Subtotal (Burdened Salaries + Operating Margin) | | \$5,483.46 |
| OPTIONAL LIMITING AMOUNT FEES (WGI) | | \$5,483.46 |

| REIMBURSABLE EXPENSES | |
|---|-------------------|
| Subconsultants | |
| a) Tierra South Florida | \$4,895.00 |
| OPTIONAL LIMITING AMOUNT FEES (Subconsultants) | \$4,895.00 |

| | |
|---|--------------------|
| TOTAL OPTIONAL SERVICES LIMITING FEE | \$10,378.46 |
|---|--------------------|

9/13/2010, Printed Date

** 2.999% multiplier*

STAFFHOUR SUMMARY

**COMMUNITY & MILITARY
INTERSECTION IMPROVEMENTS**

Staff Hour Estimate

WANTMAN GROUP, INC.
2035 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FL 33411
(561) 687-3220

Date: September 10, 2010
PBC No: 2004525
WGI No: 20010871.00

A. ROADWAY DESIGN/PLANS

| | Scale | Basis of Estimate | No. of Units/Sheets | Manhours/ Unit/Sheet | Total Manhours | Comments |
|--|---------|-------------------|---------------------|----------------------|----------------|--|
| ROADWAY PLANS | | | | | | |
| 1 Key Sheet | N/A | SHT | 1 | 2 | 2 | Preliminary Sheet assembled in Phase I; Effort includes updating index of Roadway Plans & Commissioners |
| 2 Typical Sections and Notes | N/A | LS | 1 | 20 | 20 | 2 Typical Sections (TS) assembled in Phase I; TS modifications = 2 hrs; 3 Details, 1 Gen Notes, 1 Ref points = 3 sheets @ 6 hrs/sheet = 18 hrs |
| 3 Summary of Quantities | N/A | SHT | 2 | 10 | 20 | Pay Item Table + Pay Item Footnotes + Summary Tables (Earthwork, Sodding, Fencing, etc.) |
| 4 Plan Sheets | 40 | SHT | 5 | 16 | 80 | 5 Prelimin. Sheets assembled in Phase I. Effort includes sheet labeling. Total hours = 5 shts x 16 hrs/sht (Community) = 80 hrs |
| 5 Profile Sheets | 40 | SHT | 5 | 28 | 140 | No profile sheets provided in Phase I; Total hours = 5 shts x 28 hrs/sht = 140 hrs (includes exist. / prop. utilities and exist. / prop. drain. structure layouts) |
| 6 Side Road and/or Curb Return Profiles | N/A | EA | 12 | 1.5 | 18 | Includes Military (4) and returns @ residential community & shopping center entrances |
| 7 Miscellaneous Design or Construction Details | N/A | LS | 1 | 35 | 35 | 3 (min) Exhibits for coord. meetings (incl. Roll Plots) |
| 8 Cross Sections | 20/10 | EA | 26 | 1 | 26 | Finalize X.S. preliminarily established in Phase I |
| 9 Intersection Profiles and Grading | 1"= 20' | SHT | 1 | 28 | 28 | Intersection plateau for Community / Military ONLY. |
| TRAFFIC CONTROL | | | | | | |
| 1 Traffic Control Plans (MOT) | N/A | LS | 0 | 0 | 0 | NOT REQUIRED |
| MISCELLANEOUS TASKS | | | | | | |
| 1 Quantities/Computation Books | N/A | LS | 1 | 40 | 40 | 96% Submittal (24 hrs) + Final Plans (16 hrs) |
| 2 Cost Estimates | N/A | EA | 3 | 5 | 15 | 3 Estimates Needed (w/ 65%, 90%, and Final Submittals) |
| 3 Design Documentation and Data Collection | N/A | LS | 1 | 24 | 24 | Geometric Calcs, project directory maintenance, Data collection/ research |
| 4 Field Reviews | N/A | EA | 2 | 8 | 16 | 2 x 2 people @ 4 hrs |
| COORDINATION | | | | | | |
| 1 Coordination with PBC Engineering | N/A | LS | 1 | 32 | 32 | 6 total meetings - 2 mtgs x 2 ppl @ 3 hrs (incl. minutes) + 1 mtg/3 mths (for 12 months) = 4 mtgs. Inclusive of phase review meetings as needed. |
| 2 Coordinate Access Management with PBC | N/A | LS | 0 | 0 | 0 | NOT REQUIRED |
| 3 Coordination with Other Agencies | N/A | LS | 1 | 6 | 6 | FDOT & concurrent projects |
| 4 Coordination with Utility Companies | N/A | LS | 1 | 24 | 24 | 2 meetings x 2 people @ 4 hrs (incl minutes) = 16 hrs + 2 hrs coord time x 4 agencies = 8 hrs |

ROADWAY PHASE TOTAL

526

**COMMUNITY & MILITARY
INTERSECTION IMPROVEMENTS**

Staff Hour Estimate

WANTMAN GROUP, INC.
3835 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FL 33411
(561) 687-2320

Date: September 10, 2010
PBC No: 2004525
WGI No: 20810071.00

B. DRAINAGE DESIGN/PLANS & PERMITTING

| | Scale | Basis of Estimate | No. of Units/Sheets | Manhours/ Unit/Sheet | Total Manhours | Comments |
|--|-------|-------------------|---------------------|----------------------|----------------|---|
| DRAINAGE ANALYSIS AND DESIGN | | | | | | |
| 1 Design of Storm Sewers | N/A | EA | 18 | 3 | 54 | (2500 R / 500 +1) x 3 (2 inlets + MH per 250') = 18 structures (Incl. Prop. structure data in Plan Sheets); No drainage improvements on Military Trail anticipated |
| 2 Design of Stormwater Detention/Retention Facilities | N/A | EA | 1 | 16 | 16 | East Basin - Routing Design (ensure Archstone Village central lake can accept post-dev runoff) |
| 3 Design of Special Drainage Systems/Features | N/A | LS | 1 | 8 | 8 | Exfiltration Trench (West Basin treatment purposes) |
| 4 Drainage Design Report/Documentation | N/A | LS | 1 | 24 | 24 | Report (incl: spread, Stormtab, design storm stage/flows, correspondence, and all documents associated w/ final drainage documentation); Hours limited due to hours included in Phase I |
| 5 Field Reviews | N/A | EA | 0 | 0 | 0 | Included in Roadway |
| DRAINAGE PLANS | | | | | | |
| 1 Drainage Maps | 200 | SHT | 2 | 18 | 36 | 2 Maps - West & East Drainage Basin |
| 2 Existing Drainage Data Sheet | N/A | SHT | 1 | 8 | 8 | Exist. drainage data (from topographic survey) |
| 3 Drainage Structure Sheets | N/A | EA | 0 | 0 | 0 | Not Required by PBC |
| 4 Summary of Drainage Structures | N/A | SHT | 1 | 8 | 8 | All proposed drainage structure data will be summarized on one summary plan sheet |
| PERMITTING (ENGINEERING-RELATED) | | | | | | |
| 1 SPWMD Permit Application & Coordination | | LS | 1 | 28 | 28 | Includes effort associated with 2 RAIs |
| 2 NPBCID Permit Application & Coordination | | LS | 1 | 16 | 16 | Includes all necessary coordination associated with permitting efforts |
| 3 FDOT - District IV Permit Application & Coordination | | LS | 1 | 8 | 8 | Includes all necessary coordination associated with permitting efforts |
| 4 Prepare Erosion Control Plans and NPDES NOI and NOT | | LS | 1 | 20 | 20 | SWPPP & Erosion Control Plans (SWPPP - 2 sheets + Erosion Control - 3 sheets) = 5 sheets @ 4 hrs/sheet |

DRAINAGE PLANS/DESIGN AND PERMITTING PHASE TOTAL

226

**COMMUNITY & MILITARY
INTERSECTION IMPROVEMENTS**

Staff Hour Estimate

WANTMAN GROUP, INC.
2835 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FL 33411
(561) 687-2228

Date: September 18, 2010
PBC No: 2004525
WGI No: 20010071.00

C. SIGNING & MARKING PLANS

| | Scale | Basis of Estimate | No. of Units/Sheets | Manhours/ Unit/Sheet | Total Manhours | Comments |
|--|-------|-------------------|---------------------|----------------------|----------------|--|
| SIGNING AND MARKING PLANS | | | | | | |
| 1 | | SHT | 1 | 4 | 4 | Effort includes updating Index |
| 2 | | SHT | 1 | 4 | 4 | All required PBC notes associated with S/PM Plans |
| 3 | | SHT | 1 | 4 | 4 | |
| 4 | | SHT | 3 | 20 | 60 | Double-stacked Sheets (104hr panel); initial work completed by PTC |
| 5 | | LS | 1 | 16 | 16 | 96% Submittal (10 hrs) + Final Plans (6 hrs) |
| 6 | | LS | 1 | 8 | 8 | 3 Estimates Needed (w/ 65%, 96%, and Final Submittals) |
| SIGNING AND MARKING PLANS TOTAL | | | | | 96 | |

**COMMUNITY & MILITARY
INTERSECTION IMPROVEMENTS**

Staff Hour Estimate

WANTMAN GROUP, INC.
2835 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FL 33411
(561) 687-2228

Date: September 10, 2010
PBC No: 2004525
WGI No: 20010071.00

D. SIGNAL PLANS

| | Scale | Basis of Estimate | No. of Units/Sheets | Manhours/ Unit/Sheet | Total Manhours | Comments | |
|---------------------------|-------|-------------------|---------------------|----------------------|----------------|----------|--|
| SIGNAL PLANS | | | | | | | |
| 1 | | N/A | SHT | 1 | 4 | 4 | Development + modifications for the extent of the project |
| 2 | | N/A | SHT | 1 | 8 | 8 | All applicable notes and pay item footnotes |
| 3 | | N/A | SHT | 1 | 6 | 6 | All applicable signal quantities |
| 4 | | 1" = 40' | SHT | 1 | 36 | 36 | Intersection of Community / Military |
| 5 | | N/A | SHT | 0 | 0 | 0 | Not required |
| 6 | | N/A | EA | 0 | 0 | 0 | If req'd, will be handled w/ an SA |
| 7 | | N/A | EA | 0 | 0 | 0 | Not required |
| 8 | | N/A | EA | 0 | 0 | 0 | PBC to coordinate, if necessary |
| 9 | | N/A | PI | 0 | 0 | 0 | Completed by BDA |
| 10 | | N/A | EA | 2 | 2 | 4 | 2 separate field reviews (pre 65%, post 96%) |
| 11 | | N/A | EA | 4 | 2 | 8 | 65%, 96%, 100%, and Final |
| 12 | | N/A | EA | 1 | 6 | 6 | Anticipate 1 meeting with Traffic Division (includes initial coordination effort, travel, and meeting minutes) |
| SIGNAL PLANS TOTAL | | | | | | | |

**COMMUNITY & MILITARY
INTERSECTION IMPROVEMENTS**

Staff Hour Estimate

WANTMAN GROUP, INC.
2035 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FL 33411
(561) 687-2220

Date: September 10, 2010
PBC No: 2004525
WGI No: 20010671.00

E. ENVIRONMENTAL SERVICES

| | Scale | Basis of Estimate | No. of Units/Sheets | Manhours/ Unit/Sheet | Total Manhours | Comments |
|-------------------------------------|-------|-------------------|---------------------|----------------------|----------------|--|
| ENVIRONMENTAL SERVICES | | | | | | |
| 1 | | LS | 0 | 0 | 0 | Effort covered by other tasks listed below |
| 2 | | LS | 1 | 8 | 8 | Includes obtaining all relevant adjacent existing permits, historical land use, DO conditions, soils map. |
| ENVIRONMENTAL PERMITTING | | | | | | |
| 1 | | LS | 1 | 12 | 12 | Includes submittal of the joint ERP application (SPWMD and USACE) and all of the associated exhibits, drawings, maps, plans, reports, etc. |
| 2 | | LS | 0 | 0 | 0 | Effort included in above task. |
| MEETINGS | | | | | | |
| 1 | | LS | 1 | 12 | 12 | SPWMD and NPBCID = 1 pre-application meeting each (includes ongoing coordination) |
| ENVIRONMENTAL SERVICES TOTAL | | | | | 32 | |

REIMBURSABLE EXPENSES

**COMMUNITY & MILITARY
INTERSECTION IMPROVEMENTS**

Reimbursable Expense Summary

WANTMAN GROUP, INC.
2035 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FL 33411
(561) 687-2220

Date: September 10, 2010
PBC No: 2004525
WGI No: 20810871.00

| COPIES (11"x17") | | | | | |
|--|------|----------------|--------------|----------------------|--------------|
| AGENCY | SETS | SHEETS PER SET | TOTAL SHEETS | NUMBER OF SUBMITTALS | TOTAL COPIES |
| Palm Beach County - Roadway | 7 | 50 | 350 | 5 | ✓ 1750 |
| Palm Beach County - Traffic (Incl. in Roadway) | 0 | 0 | 0 | 0 | 0 |
| Utility Coordination (Initial Contact) | 15 | 50 | 750 | 1 | ✓ 750 |
| Utility Coordination (1st Meeting) | 10 | 50 | 500 | 1 | ✓ 500 |
| Utility Coordination (Final Meeting) | 10 | 50 | 500 | 1 | ✓ 500 |
| SFWMD | 5 | 50 | 250 | 2 | ✓ 500 |
| NPBCID | 5 | 50 | 250 | 2 | ✓ 500 |
| FDOT - District IV | 5 | 50 | 250 | 2 | ✓ 500 |
| TOTAL SHEETS | | | | | ✓ 5000 |
| PRICE PER SHEET | | | | | \$0.30 |
| TOTAL COST FOR COPIES | | | | | ✓ \$1,500.00 |

| COPIES (8-1/2"x 11") | | | | | |
|---------------------------------------|------|----------------|--------------|----------------------|--------------|
| ELEMENT | SETS | SHEETS PER SET | TOTAL SHEETS | NUMBER OF SUBMITTALS | TOTAL COPIES |
| Miscellaneous Correspondence | 1 | 1500 | 1500 | 1 | ✓ 1500 |
| Drainage Design Documentation | 2 | 250 | 500 | 7 | ✓ 3500 |
| Design Documentation Notebook - Final | 1 | 250 | 250 | 1 | ✓ 250 |
| TOTAL SHEETS | | | | | ✓ 5290 |
| PRICE PER SHEET | | | | | \$0.15 |
| TOTAL COST FOR COPIES | | | | | ✓ \$787.50 |

| | | | | | |
|-----------------------------------|--|--|--|--|--------------|
| REIMBURSABLE EXPENSE TOTAL | | | | | ✓ \$2,287.50 |
|-----------------------------------|--|--|--|--|--------------|

**COMMUNITY & MILITARY
INTERSECTION IMPROVEMENTS**

Permit Expense Summary

WANTMAN GROUP, INC.
2035 VISTA PARKWAY, SUITE 100
WEST PALM BEACH, FL 33411
(561) 687-2220

Date: September 10, 2010
PBC No: 2004525
WGI No: 20810871.00

| PERMITS | |
|---|----------------------|
| AGENCY | PERMIT FEE |
| SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) | |
| FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT - District IV) | ✓ \$3,500.00 |
| NORTHERN PALM BEACH COUNTY IMPROVEMENT DISTRICT (NPBCID) | \$0.00 |
| Includes: Submittal Fee = \$500 | ✓ \$7,500.00 |
| Review Fee = \$2000 (estimate) | |
| Inspection/Usage Fee = \$5,000 (estimate based on 2% of construction features of concern to NPBCID) | |
| | |
| | |
| | |
| PERMIT FEES TOTAL | ✓ \$11,000.00 |

BROWN & PHILLIPS, INC.

 **BROWN & PHILLIPS, Inc.**
PROFESSIONAL SURVEYING SERVICES

June 22, 2010

Mr. J. D. Whitaker, P.E.
The Wantman Group
2035 Vista Parkway, Suite 100
West Palm Bch, FL 33411

Re: **Community / Military Intersection Improvements**
PBC Project No. 2004525
WGI Project No. 20810871.00
Legal & Sketches

Dear Mr. Whitaker:

Thank you for the opportunity to provide you with the following services for the subject site. This proposal is based on documentation and information provided by your office. The scope of services is as follows:

SCOPE OF SERVICES

I. LEGAL & SKETCHES

We will prepare legal descriptions & sketches (TCE, EE, Right-of-Way takes, etc.) as required for each parcel within the intersection improvement project. These sketches will be based on record ownership data and record plats provided by Palm Beach County. All sketches will be consistent with the requirements of Palm Beach County and Florida Minimum Technical Standards. We have estimated fifteen (15) parcels for this project at \$450.00 each totaling \$6,750.00.

II. CLOSURE

The proposed cost for this project is \$6,750.00. Please do not hesitate to call me with any questions you might have regarding this proposal. We look forward to working with you on this project.

Sincerely,

Brown & Phillips, Inc.


John E. Phillips III, P.L.S.
Principal

Attachment

JEP/mb

Accepted This _____ Day Of _____, 2010.

Wantman Group, Inc.

By: _____

Print Name: _____

PINDER TROUTMAN CONSULTING, INC.

PTC

Transportation Consultants

5114 Okeechobee Boulevard, Suite 210
West Palm Beach, FL 33417-4904
(561) 296-9696 Fax 296-8899
www.pindertributman.com
Certificate of Authorization Number 7989

**SCOPE OF SERVICES – TRAFFIC ENGINEERING SERVICES
COMMUNITY DRIVE / MILITARY TRAIL
#PTC08-078**

**TASK 1 - SIGNING AND PAVEMENT MARKING DESIGN: COMMUNITY DRIVE AND
MILITARY TRAIL**

Assist in the development of signing and pavement marking plans for the roadway plan set in accordance with applicable Palm Beach County and Florida Department of Transportation (FDOT) standards and guidelines.

The following items will be provided by PTC:

- ◆ Designed signs and locations
- ◆ Designed roadway striping

Items not included in this scope that are to be provided by others include:

- ◆ Development of roadway base plans
- ◆ Surveys
- ◆ Utility locations/coordination
- ◆ Approval / modification drawings
- ◆ Permitting
- ◆ Summary of quantities
- ◆ Construction of plans

**Palm Beach County
Roadway Production Division
Estimate of Work Effort and Fee**

Name of Project:
County:
FPN:
FAP No.:

Community Dr / Military Tr - PBC Project No. 2004525
Palm Beach County

Consult. Name: Pinder Troutman Consulting, Inc.
Consult. No. PTC08-078
Date: 8/16/2010
Estimator: rjm

| Staff Classification | Senior | Project Manager | | | | Staff Hours By Activity | Salary Cost By Activity | Average Rate Per Task |
|--|----------|-----------------|--|--|--|-------------------------|-------------------------|-----------------------|
| Task | \$60.00 | \$48.20 | | | | | | |
| 1. Signing and Pavement Marking Design | 8 | 20 | | | | 28 | \$1,444 | \$51.57 |
| Total Staff Hours | 8 | 20 | | | | 28 | | |
| Total Staff Cost | \$480.00 | \$964.00 | | | | | \$1,444.00 | \$51.57 |

TOTAL ACTIVITY COSTS: \$1,444.00
 OVERHEAD: 167.857% \$2,423.86
 SUBTOTAL: \$3,867.86
 OPERATING MARGIN: 12.00% \$464.14
 TOTAL BASIC SERVICES (LS) \$4,332.00
 REIMBURSABLE EXPENSES: \$0.00
 SUBTOTAL ESTIMATED FEE: \$4,332.00
 Optional Services \$0.00
 GRAND TOTAL ESTIMATED FEE: \$4,332.00

* 3.0% multiplier

TIERRA SOUTH FLORIDA, INC.



September 9, 2010

Wantman Group, Inc.
2035 Vista Parkway, Suite 100
West Palm Beach, FL 33411

Attn: Mr. Gary Williams, PE, Senior Vice President

Re: **Proposal for Geotechnical Services**
Proposed Mast Arms
Community Drive and Military Trail
Palm Beach County, Florida
TSF Proposal No.: 1004-144

Dear Gary:

As requested, TIERRA SOUTH FLORIDA, INC. (TSF) is pleased to submit this proposal for the above-referenced project. The proposal is based on a telephone conversation on September 9, 2010 with Mr. Gary Williams, P.E. of Wantman Group, Inc. This proposal includes an outline of our proposed scope of work, an estimate of the total fees, and our anticipated schedule for completion of the work.

PROPOSED SCOPE OF WORK

All work performed by TSF will be in general accordance with Palm Beach County and FDOT standards. As requested, TSF will perform two (2) Standard Penetration Test (SPT) borings to a depth of 30 feet at the corner of Community Drive and Military Trail for the proposed mast arms. Additionally, as an optional services, we have requested drilled two (2) SPT to a depth of 30 feet.

Boring locations will be approximately located in the field by our personnel by measuring distances with a tape from known reference points. Elevations at boring locations can be interpreted from topographic plans if furnished by others.

Prior to drilling at the project site, TSF will notify the local utility companies and request that underground utilities be marked. Our experience, however, is that the utility companies will not

mark privately owned utilities. Our proposal assumes that private utility lines will be located in the field by others prior to mobilization of the drill rig.

Upon completion of the field exploration, laboratory testing will be performed on selected samples. The study will be summarized in accordance with the FDOT's Soil and Foundation Manual.

A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A report will be issued that contains the exploration data, a discussion of the site and subsurface conditions, recommendations for foundation design, and a discussion of some construction considerations.

ESTIMATED FEES

It is proposed that the fee for the performance of the services outlined above be determined on a unit price basis in accordance with the attached Fee Schedule and that the work be performed pursuant to TSF's General Conditions enclosed herewith and incorporated into this proposal. The estimated fees for the project are attached.

Our estimate covers the work needed to present our findings and recommendations in a formal report. Not included are reviews of drawings, preparation of construction specifications, special conferences and any other work requested after submittal of our report.

SCHEDULE AND AUTHORIZATION

TSF will proceed with the work after receipt of a signed copy of this proposal. With our present schedule, we can commence work within several days of project approval (weather permitting and permit approval). The fieldwork will take about three days to complete. The written report can be submitted about one week after completion of the field exploration, depending on the extent of the laboratory-testing program. Verbal preliminary recommendations can be made to appropriate parties prior to submittal of the written report.

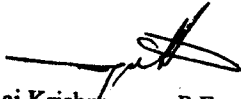
Wantman Group, Inc
TSF Proposal No. 1004-144

3

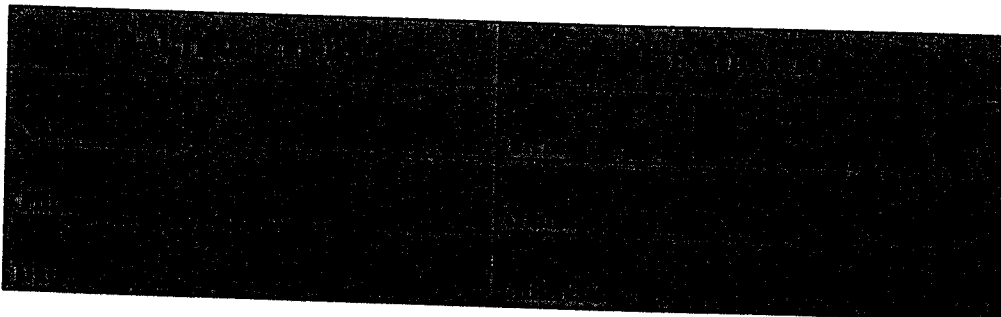
We at TSF appreciate the opportunity to submit this proposal and look forward to working with you on this project. If you should have any questions concerning our proposal, please contact our office.

Respectfully submitted,

TIERRA SOUTH FLORIDA, INC.


Raj Krishnasamy, P.E.
Principal Geotechnical Engineer/ President

Attachments: 1. Fee Estimate



TIERRA SOUTH FLORIDA, INC.

| I. | FIELD INVESTIGATION | Unit | # of Units | Unit Price | Total |
|-------|---|------|------------|------------|-------------------|
| | Mobilization of Men and Equipment Truck-Mounted Equipment | Trip | 1 | \$ 350.00 | ✓ 350.00 |
| | SPT Borings 0 - 50 ft depth | L.F. | 60 | \$ 12.00 | ✓ 720.00 |
| | Grout Boreholes 0 - 50 ft depth | L.F. | 60 | \$ 5.50 | ✓ 330.00 |
| | Casing Allowance 0 - 50 ft depth | L.F. | 30 | \$ 7.00 | ✓ 210.00 |
| | Percolation Test | Test | 0 | \$ 275.00 | 0.00 |
| | Roadway Auger Borings | L.F. | 0 | \$ 9.00 | 0.00 |
| | Traffic Control (1-man crew with safety equipments) | Day | 1 | \$ 800.00 | ✓ 800.00 |
| II. | LABORATORY TESTING | | | | |
| | Visual Examination by Staff Engineer | Hour | 2 | \$ 85.00 | ✓ 170.00 |
| | Natural Moisture Content Tests | Test | 0 | \$ 10.00 | 0.00 |
| | Grain-Size Analysis - Full Gradation | Test | 0 | \$ 60.00 | 0.00 |
| | Grain-Size Analysis - Single Sieve | Test | 0 | \$ 30.00 | 0.00 |
| | Organic Content Tests | Test | 0 | \$ 45.00 | 0.00 |
| | Atterberg Limit Tests | Test | 0 | \$ 70.00 | 0.00 |
| | Environmental Tests (pH, sulfates, chlorides, resistivity) | Set | 2 | \$ 185.00 | ✓ 370.00 |
| III. | FIELD ENGINEERING AND TECHNICAL SERVICES | | | | |
| | Site Recon./Utility Coordination/MOT | | | | |
| | Sr. Engineering Technician | Hour | 6 | \$ 65.00 | ✓ 390.00 |
| IIIA. | ENGINEERING AND TECHNICAL SERVICES | | | | |
| | Principal Engineer | Hour | 1 | \$ 145.00 | ✓ 145.00 |
| | Senior Geotechnical Engineer | Hour | 2 | \$ 125.00 | ✓ 250.00 |
| | Project Engineer | Hour | 8 | \$ 115.00 | ✓ 920.00 |
| | Draftperson | Hour | 4 | \$ 60.00 | ✓ 240.00 |
| | TOTAL FEE FOR GEOTECHNICAL SERVICES | | | \$ | ✓ 4,895.00 |

TIERRA SOUTH FLORIDA, INC.

Optional Services

Same Scope as Above

Unit

of Units

Unit Price

Total

\$

4895.00

BRIDGE DESIGN ASSOCIATES, INC.

BRIDGE DESIGN ASSOCIATES, INC.
CONSULTING ENGINEERS

BRIAN C. RHEULT, P.E.
President

September 10, 2010

The Wantman Group
2035 Vista Parkway, Suite 100
West Palm Beach, Florida 33411

ATTENTION: J.D. Whitaker, P.E.

REGARDING: Community Drive and Military Trail Mast Arms
Revised Proposal

Dear J.D.:

Pursuant to your request we have reviewed the information for the proposed modifications to the mast arms at the above referenced project site.

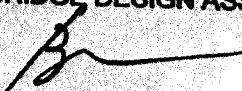
The attached Exhibit "A" is an approximate manhour breakdown of tasks with commensurate fees.

These manhours are for one analysis per mast arm for two new mast arms.

If you have any questions, please give me a call.

Respectfully,

BRIDGE DESIGN ASSOCIATES, INC.



Brian C. Rheault, P.E.
President

BCR:kedS:\2010-Job\Proposals\Community at Military Trail\proposal 09-10-10.wpd

BRIDGE DESIGN ASSOCIATES, INC.
 COMMUNITY DRIVE & MILITARY TRAIL MAST ARMS

September 10, 2010 / Revision 1
 HOURLY BREAKDOWN OF SERVICES
 EXHIBIT 'A'

| ACTIVITY | CHIEF ENGINEER | SENIOR ENGINEER | ENGINEER INTERN | ENGINEER TECHNICIAN | CAD TECHNICIAN | TOTAL HOURS BY ACTIVITY | LABOR COST BY ACTIVITY |
|--|----------------|-----------------|-----------------|---------------------|------------------|-------------------------|------------------------|
| | \$195.00 | \$190.00 | \$75.00 | \$88.00 | \$83.00 | | |
| | | | | | | 0.0 | \$0.00 |
| Design new mast arm & foundations for Mast Arm No. 1 | 2.0 | | 12.0 | | | 14.0 | \$1,280.00 |
| Design new mast arm & foundations for Mast Arm No. 2 | 2.0 | | 12.0 | | | 14.0 | \$1,280.00 |
| Mast Arm Tabulation Table and Standard Sheets | 2.0 | | 4.0 | | 16.0 | 22.0 | \$2,178.00 |
| Coordinate with Soils Engineer | 2.0 | | | | | 2.0 | \$380.00 |
| Coordinate with Civil Engineer | 2.0 | | | | | 2.0 | \$380.00 |
| | | | | | | | |
| TOTAL MANHOURS | ✓ 10.0 | 0.0 | ✓ 28.0 | 0.0 | ✓ 16.0 | ✓ 54.0 | |
| DIRECT LABOR COST | ✓ \$1,950.00 | \$0.00 | ✓ \$2,100.00 | \$0.00 | ✓ \$1,488.00 | | ✓ \$5,538.00 |
| | | | | | ENGINEERING FEES | | ✓ \$5,538.00 |

NOTE:
 NTP WILL BE PROVIDED AFTER 65% SUBMITTAL COMMENTS
 HAVE BEEN RECEIVED AND ADDRESSED BY WGL. FIRST
 SUBMITTAL WILL BE 90% SUBMITTAL.

✓ 30% Multiple

09/13/2010

Engineering & Public Works Roadway Production
PARTICIPATION FOR MWBE/SBE CONSULTANTS
 Supplement Number 2

Project Name: Community Drive and Military Trail Intersection

Project No.: 2004525

Prime Consultant: Wantman Group, Inc.

Prime Contact Person:

Telephone No.: (561) 687-2220

Resolution Date: 07/21/2009

Res #: R2009-1135

Supplement date: 09/13/2010

Department: Engineering & Public Works

| Name / Address / Telephone of Minority Sub-Consultant | Type / Description of Work Performed by Sub-Consultant | Contract Dollar Amount for Sub-Consultant | | | | | |
|---|--|---|-----------------|-------------|-----------------|-----------------|-----------------|
| | | Black | Hispanic | Other | Women | White Male | |
| Bridge Design Associates, Inc. 1402 ROYAL PALM BEACH BLVD BLDG 200 ROYAL PALM BEACH, FL 33411 (561) 686-3660 | Structural (Vertical) | MWBE | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | SBE | 0.00 | 0.00 | 0.00 | 0.00 | 5,538.00 |
| Brown & Phillips, Inc. 901 NORTHPOINT PKY STE 119 WEST PALM BEACH, FL 33407 (561) 615-3988 | Surveyor | MWBE | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | SBE | 6,750.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Pinder Troutman Consulting, Inc. 5114 OKEECHOBEE BLVD STE 210 WEST PALM BEACH, FL 33417 (561) 296-9698 | Design | MWBE | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | SBE | 0.00 | 0.00 | 0.00 | 4,332.00 | 0.00 |
| Tierra South Florida, Inc. 2765 VISTA PKY STE 9 WEST PALM BEACH, FL 33411 (561) 687-8539 | Geotechnical Geotechnical | MWBE | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | SBE | 0.00 | 0.00 | 9,790.00 | 0.00 | 0.00 |
| Total MWBE | | | 0.00 | 0.00 | 0.00 | 0.00 | |
| % | | | | | | | |
| Total SBE | | | 6,750.00 | 0.00 | 9,790.00 | 4,332.00 | 5,538.00 |
| % | | | 4.52 | | 6.56 | 2.90 | 3.71 |

Total Supplement Amount: 149,228.01

Exhibit c

Page 1

WITNESSES

WITNESSES

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
6/30/2010

PRODUCER
ISU Suncoast Insurance Assoc
P.O. Box 22668
Tampa, FL 33622-2668
813 289-5200

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED
Wantman Group, Inc.
2035 Vista Parkway Suite 100
West Palm Beach, FL 33411-2719

| INSURERS AFFORDING COVERAGE | NAIC # |
|---|--------|
| INSURER A: XL Specialty Insurance Company | 37885 |
| INSURER B: | |
| INSURER C: | |
| INSURER D: | |
| INSURER E: | |

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| TYPE OF INSURANCE | POLICY NUMBER | POLICY EFFECTIVE DATE (MM/DD/YYYY) | POLICY EXPIRATION DATE (MM/DD/YYYY) | LIMITS |
|--|---------------|------------------------------------|-------------------------------------|--|
| GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | | | | EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (EA OCCURRENCE) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMPROP AGG \$ |
| AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS | | | | COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ |
| GARAGE LIABILITY <input type="checkbox"/> ANY AUTO | | | | AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EA ACC \$ AGG \$ |
| EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE \$ RETENTION \$ | | | | EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$ |
| WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE/OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below | | | | <input type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$ |
| A OTHER Professional Liability | DPR9685862 | 07/01/10 | 07/01/11 | \$1,000,000 per claim \$4,000,000 annl aggr. |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

Professional Liability is written on a claims made and reported basis.

For all projects in Palm Beach County.

Professional Liability Retroactive Date is 07/01/1991

CERTIFICATE HOLDER

Palm Beach County
c/o Engineering Department
2300 N. Jog Road, 3rd Floor
West Palm Beach, FL 33411-2745

CANCELLATION 10 Days for Non-Payment

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE



DESCRIPTIONS (Continued from Page 1)

Palm Beach County, Board of County Commissioners, a Political Subdivision of the State of Florida, its officers, Employees and Agents are included as " additional insured " with respects to the Comprehensive General Liability and Auto Liability ONLY. Includes Prior Acts Coverage to Effective Date of the Contract.

DESCRIPTION OF OPERATIONS SECTION CONTINUED

DATE
10/20/2009

CERTIFICATE HOLDER:

Palm Beach County
c/o Engineering Department
2300 N. Jog Road, 3rd Floor
West Palm Beach FL 33411-2745

INSURED:

Wantman Group, Inc.
2035 Vista Parkway, Suite 100
West Palm Beach FL 33411

DESCRIPTION OF OPERATIONS CONTINUED:

The companies will not allow us to strike the words "endeavor to" and "But failure to do so shall impose no obligation or liability of any kind upon the insurer, its agents or representatives" from the cancellation clause shown on the certificate.

10 days notice of cancellation shall apply in the event of nonpayment of policy premiums. Palm Beach County, Board of County Commissioners, a Political Subdivision of the State of Florida, it's Officers, Employees and Agents are included as "additional insureds" with respects to the General Liability and Auto Liability, for all projects in Palm Beach County

COMMUNITY DRIVE @ MILITARY TRAIL
INTERSECTION IMPROVEMENTS
PBC PROJECT NO. 204525

Tue 01/10

