



# CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE 09/23/2008

**Subject:** Approval of Addendum No. 22 to the contract with Quentin Hampton Associates: Sleepy Hollow Stormwater Ditch Improvements Project.

**Department:** Public Works

## Recommended Motion:

Staff recommends approval of Addendum No. 22 to the contract with Quentin Hampton Associates for the design and permitting portion of the Sleepy Hollow stormwater ditch improvements project for a cost not to exceed \$48,245.00.

## Summary:

Staff met with Quentin Hampton Associates regarding erosion of the drainage ditch in the Sleepy Hollow subdivision. Quentin Hampton has submitted preliminary construction estimates on two different options both to correct the erosion problem and still provide for adequate drainage in the area. Also attached is their estimate for engineering fees associated with the project.

As shown, total cost for engineering fees associated with the design and permitting portion of the project is \$48,245.00. *Funding is available in the FY09 412 Fund Budget.*

**Attachments:**  Ordinance  Resolution  Budget Resolution

Other  Support Documents/Contracts Available for Review in Manager's Office  
QLHA Preliminary Construction Estimates (2 Options) and Estimate of Engineering Fees

<b>Department Head</b> <i>[Signature]</i>	Submitted	Date	8/27/08
<b>Finance Department</b> <i>[Signature]</i>	Approved as to Budget Requirements	Date	8/27/08
<b>City Attorney</b>	Approved as to Form and Legality <i>[Signature]</i>	Date	
<b>City Manager</b> <i>[Signature]</i>	Approved Agenda Item For	Date	9/23/08

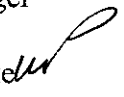
**COUNCIL ACTION:**  Approved as Recommended  Disapproved

Tabled Indefinitely  Continued to Date Certain  Approved with Modification

## MEMORANDUM

**TO:** Kenneth W. Parker  
City Manager

**DATE:** August 27, 2008

**FROM:** Warren Pike   
Public Works Director

**SUBJECT:** Agenda Item for September 23, 2008

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Please place approval of Addendum No. 22 to the contract with Quentin Hampton Associates for the Sleepy Hollow stormwater ditch improvements on the September 23<sup>rd</sup> Council Agenda.

### **Commentary**

Some time ago, residents of Sleepy Hollow approached Council regarding their concern over the erosion of a drainage ditch behind their homes.

Staff along with Quentin Hampton Associates looked at several options to restore the ditch bank and still allow for adequate and proper drainage in the area. Attached are preliminary construction cost estimates on two options: sheet pile, the more costly of the two, and installation of pipe and a shallow swale. Staff feels the installation of pipe in the ditch is the more favorable option, both for the residents and the City. Installing pipe in the ditch will drastically reduce the need for maintenance and will only require the occasional cleaning of the inlets.

Also attached is an estimate from Quentin Hampton Associates for engineering fees associated with the project and, as shown, the design and permitting portion should not exceed \$48,245.00.

### **Recommendation**

Staff recommends approval Addendum No.22 to the contract with Quentin Hampton Associates for the design and permitting portion of the Sleepy Hollow stormwater ditch improvements for a cost not to exceed \$48,245.00.

COPY  
originals (5) on file  
with City Clerk.

**ADDENDUM NUMBER 22  
TO AGREEMENT DATED MARCH 15, 1988  
BETWEEN CITY OF PORT ORANGE AND QUENTIN L. HAMPTON ASSOCIATES, INC.**

By Agreement made and entered into this \_\_\_ day of \_\_\_\_\_, 2008 by and between the City of Port Orange, Volusia County, Florida, hereinafter called the "City", party of the first part and Quentin L. Hampton Associates, Inc., a Florida corporation having its office in Port Orange, Florida, hereinafter called the "Engineers", party of the second part.

**WITNESSETH**

The City and Engineers mutually agree to amend to that certain Agreement between the City and Engineers made and entered into on March 15, 1988 the following:

- (1) The Engineers shall provide engineering services including grant application assistance, surveying, geotechnical services, permitting, design, general supervision, inspection and plans and specifications for construction of:
  - a) Sleepy Hollow Subdivision Ditch Stormwater Improvements
- (2) The Engineers shall provide surveying, environmental consulting, soils engineering, and inspection services and be compensated as described in Article III, of the March 15, 1988 Agreement between Quentin L. Hampton Associates, Inc. and the City of Port Orange.
- (3) The parties acknowledge that all other terms, provisions and conditions of the aforesaid original Agreement and all additions thereto not amended or changed by the provisions of the Addendum are republished, ratified and reaffirmed by the parties hereto.

**IN WITNESS HEREOF** the parties have made and executed this Addendum the day and year written above.

ATTEST:  
  
By \_\_\_\_\_  
Kenneth W. Parker, City Manager

CITY OF PORT ORANGE  
  
By \_\_\_\_\_  
Allen Green  
  
Title: \_\_\_\_\_  
Mayor

WITNESS:  
  
\_\_\_\_\_

QUENTIN L. HAMPTON ASSOCIATES, INC.  
  
By \_\_\_\_\_  
Mark A. Hampton, P.E.  
  
Title: \_\_\_\_\_  
President

Date: \_\_\_\_\_  
8/5/08

**CITY OF PORT ORANGE**  
**SLEEPY HOLLOW SUBDIVISION DITCH REPLACEMENT**  
**ESTIMATE OF ENGINEERING FEES**

<b>1. Design Phase</b>	
a. Design Phase Engineering and Permitting (based on 4.7% of Construction Cost)	\$28,745
b. Survey Allowance (incl. tree survey)	\$12,000
c. SJRWMD Permit Fee Allowance	\$1,500
d. Geotechnical Allowance	\$4,000
e. Reimbursables (printing, etc.)	<u>\$2,000</u>
<b>Total Design Phase</b>	<b>\$48,245</b>
<b>2. Contract Administration</b> (based on 2.3% of construction cost)	<b>\$14,067</b>
<b>3. Project Representation: (Estimated)</b>	
a. Construction Services Supervisor 4 mos. x 12 hrs/mo x \$70/hour	\$4,200
b. Project Representative 5 mos. x 22 days/mo. x 8 hrs/day x \$57.50/hour (estimated FY 09 rate)	\$50,600
<b>Total Construction Phase (2 &amp; 3)</b>	<b>\$68,867</b>

**PROJECT SUMMARY**

Design Phase	\$48,245
Construction Phase	
A. Estimated Construction Cost	\$611,600
B. Contract Admin & Project Representation	<u>\$68,867</u>
<b>Total Estimate Project Cost</b>	<b>\$728,712</b>

Note: 1. Project representative fees shall be invoiced at the applicable fiscal year rates  
2. If Florida sales tax becomes due on professional services the City shall reimburse QLH for the additional sales tax cost.

Prepared by:  
Quentin L. Hampton & Associates, Inc.  
-Consulting Engineers-  
August 4, 2008

**City of Port Orange**  
**Sleepy Hollow Ditch Stormwater Improvements**  
**Preliminary Construction Cost Estimate**

<b>ITEM NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL</b>
<b>A.</b>	<b>Drainage</b>				
1	Storm Drainage Pipe incl. Cut sheet preparation				
	c) 48" RCP Class III	1,900	LF	\$170.00	\$323,000.00
2	Storm Drainage Structures				
	Type 'E' Inlet	8	EA	\$5,000.00	\$40,000.00
	24" MES	2	EA	\$3,000.00	\$6,000.00
	<b>Subtotal Part A - Drainage</b>				<b>\$369,000.00</b>
<b>B.</b>	<b>Paving &amp; Restoration</b>				
1	Swale Grading	2,000	LF	\$7.00	\$14,000.00
2	Seed and Mulch				
	a) Argentine Bahia	10,000	SY	\$3.00	\$30,000.00
3	Place and Compact Additional Fill over Pipe	10,000	CY	\$10.00	\$100,000.00
	<b>Subtotal Part B - Paving and Restoration</b>				<b>\$144,000.00</b>
<b>C.</b>	<b>Miscellaneous</b>				
1	Pre-Construction Video Taping	1	LS	\$2,000.00	\$2,000.00
2	Compliance with Trench Safety Act	1	LS	\$5,000.00	\$5,000.00
3	Record Drawing Preparation	1	LS	\$5,000.00	\$5,000.00
4	Indemnification	1	LS	\$1,000.00	\$1,000.00
5	General Conditions	1	LS	\$30,000.00	\$30,000.00
	<b>Subtotal Part C - Miscellaneous</b>				<b>\$43,000.00</b>
	<b>SUBTOTAL</b>				<b>\$ 556,000.00</b>
	<b>CONTINGENCY (10%)</b>				<b>\$ 55,600.00</b>
	<b>TOTAL ESTIMATED CONSTRUCTION COST</b>				<b>\$ 611,600.00</b>

Prepared By  
QUENTIN L. HAMPTON ASSOCIATES, INC  
-Consulting Engineers-  
Revised July 30, 2008

**City of Port Orange**  
**Sleepy Hollow Ditch Stormwater Improvements**  
**Preliminary Construction Cost Estimate-Sheet Pile Option**

<b>ITEM NO.</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL</b>
1	16' Vinyl Sheet Pile with cap and tie-backs	3,800	LF	\$290.00	\$1,102,000.00
2	Place and Compact Fill	5,000	CY	\$10.00	\$50,000.00
3	Sodding				
	a) Argentine Bahia	5,000	SY	\$3.00	\$15,000.00
4	Pre-Construction Video Taping	1	LS	\$2,000.00	\$2,000.00
5	Compliance with Trench Safety Act	1	LS	\$5,000.00	\$5,000.00
6	Record Drawing Preparation	1	LS	\$5,000.00	\$5,000.00
7	Indemnification	1	LS	\$1,000.00	\$1,000.00
8	General Conditions	1	LS	\$30,000.00	\$30,000.00
<b>SUBTOTAL</b>					<b>\$1,210,000.00</b>
<b>CONTINGENCY (10%)</b>					<b>\$ 121,000.00</b>
<b>TOTAL ESTIMATED CONSTRUCTION COST</b>					<b>\$ 1,331,000.00</b>

Prepared By  
QUENTIN L. HAMPTON ASSOCIATES, INC  
-Consulting Engineers-  
Revised August 19, 2008