



Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS

Additional Services Agreement

DATE: December 9, 2011
RE: Hallandale Beach SW Quadrant Increased Project Scope & FEMA Grant Assistance
CLIENT: City of Hallandale Beach
 630 NW 2nd Street
 Hallandale Beach, FL 33009
ATTENTION: Mr. Rick Labinsky, P.E.
CGA NO.: 09-2591.18

CGA HAS BEEN ADVISED TO PROCEED WITH THE FOLLOWING ADDITIONAL SERVICES:

Due to the client's request for work outside the original scope of services, Calvin, Giordano & Associates, Inc. will provide the following additional services:

I. Professional Engineering Services

A. Civil Engineering

1. Final Engineering and Permitting for Stormwater Pump Station & Force main Design for SW quadrant, the area West of Dixie Highway (\$300,125.00)

- Design a stormwater conveyance system for the SW quadrant to include the limits from SW 11th Street north to SW 3rd Street, from SW 8th Avenue to Dixie Highway, including pump stations within the project area (easement acquisition and/or property acquisition for pump station & force main is the responsibility of the City), and a force main from the pump stations to the area of the proposed drainage wells. As part of the design CGA will:

- Prepare stormwater pump station calculations for pumps and force main for the chosen Level of Service
- Prepare stormwater pump station plans including; site plan, pump station sections and details, and electrical plans
- Prepare forcemain plans and details
- Prepare collection system plans and details.

Building Code Services
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 Construction Engineering & Inspection
 Construction Services
 Contract Government
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 Engineering
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 Transportation Planning & Traffic Engineering
 Utility & Community
 Maintenance Services

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 Fort Lauderdale, FL 33316
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www.calvin-giordano.com

- Design of injection well system per FDEP requirements.
 - Preparation of budgetary cost estimate
 - Permitting
 - Prepare and process permit applications through the following agencies: Broward County Environmental Protection Department - ERP License, South Florida Water Management District, and the City of Hallandale Beach
 - Initiate FDEP license (to ultimately be completed by the contractor)
 - Meetings with the above entities during the permit process (6 meetings total)
2. Engineering and Permitting for the SW expanded project area east of Dixie Highway (\$77,000)
- Design a stormwater conveyance system for the SW quadrant, East of Dixie Highway to include the limits from SW 11th Street north to SW 3rd Street, from Dixie Highway to Federal Highway, including pump stations within the project area (easement acquisition and/or property acquisition for pump station & force main is the responsibility of the City), with a connection to the force main for the proposed drainage wells. As part of the design CGA will:
 - Perform a hydraulic analysis to determine the number and location of drainage structures and if upsizing of existing piping or addition of piping is required to adequately convey the stormwater to the pumping stations.
 - Prepare stormwater pump station calculations and plans for pumps and force mains including pump station site plans, sections and details.
 - Preparation of plans based on hydraulic analysis and calculations for collection system and details.
 - Prepare budgetary cost estimate
 - Permitting

- Prepare and process permit applications through the following agencies: Broward County Environmental Protection Department - ERP License, South Florida Water Management District, and the City of Hallandale Beach
 - Meetings with the above entities during the permit process (6 meetings total)
3. Grant Administration for additional funding with FEMA (\$20,000)
 4. Lump Sum amount for reimbursables associated with the design and permitting of the stormwater pump station and force main above (\$6,000)
 5. Geotechnical engineering consultant for soil borings with in project construction areas. (\$6,000)
 6. Structural engineering design for pumping stations (\$25,000)
- B. Electrical Engineering
1. Electrical engineering services shall be provided for proposed master drainage pump station and two additional minor drainage pump stations located in the SW quadrant of the City of Hallandale Beach.

PROPOSED SCHEDULE OF FEES	
I	Professional Engineering Services
A	Professional Civil Engineering Services
	Preliminary Engineering
	Final Engineering
	Engineering Permitting
	Other Engineering Work Activity
	Sub-Consultant
	\$434,125.00
	\$128,365.00
	\$172,600.00
	\$51,910.00
	\$50,250.00
	\$31,000.00

B	Professional Electrical Engineering Services	\$40,875.00
	Electrical Engineering	
	Electrical Engineering	\$40,875.00
	TOTAL	\$475,000.00

AUTHORIZATION

Kindly sign and return this authorization at your earliest convenience.
Calvin, Giordano & Associates, Inc.
 will proceed upon receipt of authorization..

By: _____

Mr. Rick Labinsky, P.E.
 City Engineer

Date: _____

By: _____

Dennis J. Giordano
 President

Date: _____