



January 20, 2011

To: All Interested Parties

From: Corrice E. Patterson, Public Works Director
Village of Palmetto Bay
9495 SW 180th Street
Palmetto Bay, Florida 33157

Re: Bid Solicitation 2011-PW-101
Village-wide Drainage Improvements Phase IV

ADDENDUM NO. 1

Julio A. Rodriguez from *Pabon Engineering* submitted the following question:

Question:

Could you please advise as to when we can expect to have copies of the soil boring test results?

Response:

Attached

Ernesto Ruiz from *Morlic Engineering* submitted the following question:

Question:

Where the soil boring tests are?

Response:

Attached

Question:

In review of the contract requirements for this project I noticed that you are requiring \$2 Million in Automobile Liability. Is this mandatory or will \$1M be acceptable?

Response:

Please refer to section titled "Supplementary Conditions," item No. 5.04.A.6. It is required for the contractor to have \$2,000,000 Combined Single Limit for Comprehensive Automobile Liability Coverage.

Jose C. Perello from Southeastern Engineering Contractors, Inc. submitted the following question:

Question:

How long the Contractor will be required to retain the services of the Village of Palmetto Bay Officer? How many hours per day? How many dollars per hours (rate)?

Response:

The period of time and/ hours a Village of Palmetto Bay Officer will be needed cannot be determined at this time. The response to this question is dependant upon MOT Plan, safe vehicular travel at site and if it is necessary. The hourly rate of a Village of Palmetto Bay Officer is \$46.50.

Question:

Site 5 Plan Between Structures S5-1 and S5-2 there is a big palm, do we have to relocate or remove it or can we move the line to street?

Response:

A response to this question will be provided in an additional addendum. Included in the addendum will also be an extension for bid submissions.

All other terms and conditions stipulated in the original Village of Palmetto Bay Request for Proposal shall remain in force. This addendum will also need to be submitted along with the remainder of the bid package. Bid submittals without the addendum will be considered unresponsive.

Thank you for your participation in our bidding process.



Corrice E. Patterson, Director of Public Works
Village of Palmetto Bay

WINGERTER LABORATORIES, INC.

Engineering Testing & Inspection Services
 1820 NE 144 Street, North Miami, FL 33181
 Phone: (305) 944-3401 Fax: (305) 949-8698

REPORT: **SOIL PERMEABILITY TEST**
S.F.W.M.D./D.O.T PERCOLATION EXFILTRATION
USUAL CONDITION TEST METHOD

CLIENT: Corzo Castella Carballo Thompson & Salman
PROJECT: Village of Palmetto Bay
PROJECT LOCATION: 14565 SW 75th Ave., Palmetto Bay FL
TEST LOCATION: West Boundary, Central Area
REPORTED TO: Corzo Castella Carballo Thompson & Salman
 Attn: Carlos Herdocia, P.E.
 901 Ponce de Leon Blvd., Ste. 900
 Coral Gables, Florida 33134

DATE: 10/4/2010
TEST NO: Site 1
W.O. NO: 10-1321

Permeability test was performed by initially drilling the test hole to a depth of 15 feet. At this depth, water was added to the test hole at an average stabilized rate of 1.74 gallons per minute (gpm) for a period of 20 minutes in order to maintain a constant head at the ground surface level. The Hydraulic Conductivity was calculated as follows:

$$K = \text{Hydraulic Conductivity} = \frac{4Q}{\pi d(2H^2 + 4HDs + dH)} \frac{1}{448.8} \text{ (Conversion Factor gpm to cfs)}$$

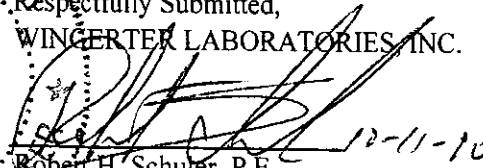
H = Depth to Groundwater Level: 4. Ft
 d = Diameter of Test Hole: 8 Inches

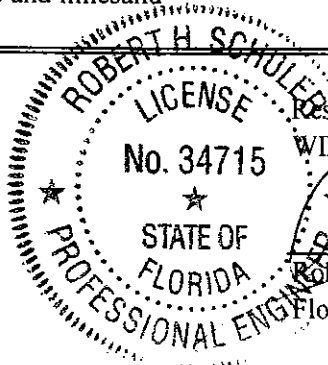
<u>Depth of Test Hole</u>	<u>Saturated Depth (Ds)</u>	<u>Stabilized Flow Rate (Q)</u>	<u>Hydraulic Conductivity (K)</u>
15.0 Ft	11.0 Ft	1.74 Gal/Min	3.51E-05 cfs/ft ² per foot of head

SUBSURFACE PROFILE :

<u>Depth</u>	<u>Soil Description</u>
0 - 3'	Gray silt sand
3 - 5'	Tan limesilt and limestone
5 - 15'	Tan limestone and limesand

Field Technician: JC

Respectfully Submitted,
WINGERTER LABORATORIES, INC.

 Robert H. Schuler, P.E.
 Florida Registration No. 34715



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Phone: (305) 944-3401 Fax: (305) 949-8698

REPORT: SOIL PERMEABILITY TEST
S.F.W.M.D./D.O.T PERCOLATION EXFILTRATION
USUAL CONDITION TEST METHOD

CLIENT: Corzo Castella Carballo Thompson & Salman
PROJECT: Village of Palmetto Bay
PROJECT LOCATION: 7920 SW 175th St., Palmetto Bay FL
TEST LOCATION: Northwest Corner Area
REPORTED TO: Corzo Castella Carballo Thompson & Salman
Attn: Carlos Herdocia, P.E.
901 Ponce de Leon Blvd., Ste. 900
Coral Gables, Florida 33134

DATE: 10/4/2010
TEST NO: Site 2
W.O. NO: 10-1321

Permeability test was performed by initially drilling the test hole to a depth of 15 feet. At this depth, water was added to the test hole at an average stabilized rate of 0.28 gallons per minute (gpm) for a period of 60 minutes in order to maintain a constant head at the ground surface level. The Hydraulic Conductivity was calculated as follows:

$$K = \frac{4Q}{\pi d(2H^2 + 4HDs + dH)} \times \frac{1}{448.8} \text{ (Conversion Factor gpm to cfs)}$$

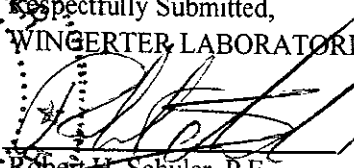
H = Depth to Groundwater Level: 3. Ft
d = Diameter of Test Hole: 8 Inches
K = Hydraulic Conductivity =

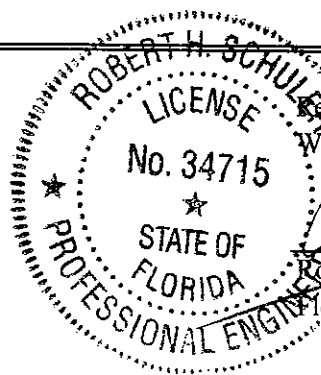
Depth of Test Hole	Saturated Depth (Ds)	Stabilized Flow Rate (Q)	Hydraulic Conductivity (K)
15.0 Ft	12.0 Ft	0.28 Gal/Min	7.19E-06 cfs/ft ² per foot of head

SUBSURFACE PROFILE :

Depth	Soil Description
0 - 2'	Gray silt sand and limestone
2 - 4'	Tan silty sand and limestone
4 - 15'	Tan limestone and limesilt

Field Technician: JC

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REPORT: SOIL PERMEABILITY TEST
S.F.W.M.D./D.O.T PERCOLATION EXFILTRATION
USUAL CONDITION TEST METHOD

CLIENT: Corzo Castella Carballo Thompson & Salman
PROJECT: Village of Palmetto Bay
PROJECT LOCATION: 14500 SW 81st Ave., Palmetto Bay FL
TEST LOCATION: East Boundary, Central Area
REPORTED TO: Corzo Castella Carballo Thompson & Salman
Attn: Carlos Herdocia, P.E.
901 Ponce de Leon Blvd., Ste. 900
Coral Gables, Florida 33134

DATE: 10/5/2010
TEST NO: Site 3
W.O. NO: 10-1321

Permeability test was performed by initially drilling the test hole to a depth of 15 feet. At this depth, water was added to the test hole at an average stabilized rate of 1.75 gallons per minute (gpm) for a period of 20 minutes in order to maintain a constant head at the ground surface level. The Hydraulic Conductivity was calculated as follows:

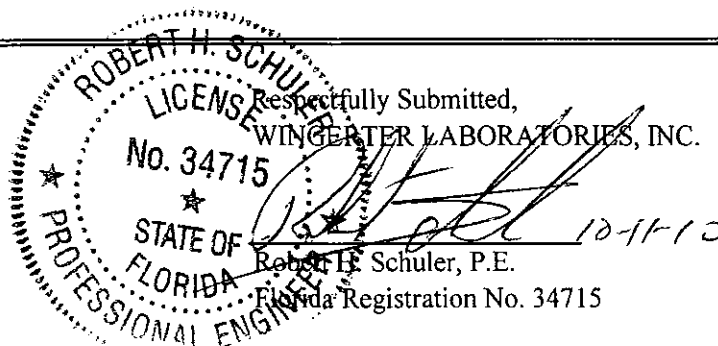
$$K = \frac{4Q}{\pi d(2H^2 + 4HDs + dH)} = \frac{1}{448.8} \text{ (Conversion Factor gpm to cfs)}$$

<u>Depth of Test Hole</u>	<u>Saturated Depth (Ds)</u>	<u>Stabilized Flow Rate (Q)</u>	<u>Hydraulic Conductivity (K)</u>
15.0 Ft	11.0 Ft	1.75 Gal/Min	3.54E-05 cfs/ft ² per foot of head

SUBSURFACE PROFILE :

<u>Depth</u>	<u>Soil Description</u>
0 - 2'	Gray limesilt
2 - 6'	Tan limesilt and limestone
6 - 15'	Tan limestone and limesand

Field Technician: JC



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**REPORT: SOIL PERMEABILITY TEST
 S.F.W.M.D./D.O.T PERCOLATION EXFILTRATION
 USUAL CONDITION TEST METHOD**

CLIENT: Corzo Castella Carballo Thompson & Salman
PROJECT: Village of Palmetto Bay
PROJECT LOCATION: 8560 SW 149th Terr., Palmetto Bay FL
TEST LOCATION: Northwest Corner Area
REPORTED TO: Corzo Castella Carballo Thompson & Salman
 Attn: Carlos Herdocia, P.E.
 901 Ponce de Leon Blvd., Ste. 900
 Coral Gables, Florida 33134

DATE: 10/5/2010
TEST NO: Site 4
W.O. NO: 10-1321

Permeability test was performed by initially drilling the test hole to a depth of 15 feet. At this depth, water was added to the test hole at an average stabilized rate of 1.88 gallons per minute (gpm) for a period of 20 minutes in order to maintain a constant head at the ground surface level. The Hydraulic Conductivity was calculated as follows:

H = Depth to Groundwater Level: 6.4 Ft
 d = Diameter of Test Hole: 8 Inches
 K = Hydraulic Conductivity =
$$\frac{4Q}{\pi d(2H^2 + 4HDs + dH)} \frac{1}{448.8 \text{ (Conversion Factor gpm to cfs)}}$$

<u>Depth of Test Hole</u>	<u>Saturated Depth (Ds)</u>	<u>Stabilized Flow Rate (Q)</u>	<u>Hydraulic Conductivity (K)</u>
15.0 Ft	8.6 Ft	1.88 Gal/Min	2.60E-05 cfs/ft ² per foot of head

SUBSURFACE PROFILE :

<u>Depth</u>	<u>Soil Description</u>
0 - 2'	Gray silt sand
2 - 15'	Tan limesilt and limestone

Field Technician: JC

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REPORT: **SOIL PERMEABILITY TEST**
S.F.W.M.D./D.O.T PERCOLATION EXFILTRATION
USUAL CONDITION TEST METHOD

CLIENT: Corzo Castella Carballo Thompson & Salman
PROJECT: Village of Palmetto Bay
PROJECT LOCATION: 15840 SW 89th Ave., Palmetto Bay FL
TEST LOCATION: South Boundary, Across 8910 SW 159th Terr.
REPORTED TO: Corzo Castella Carballo Thompson & Salman
Attn: Carlos Herdocia, P.E.
901 Ponce de Leon Blvd., Ste. 900
Coral Gables, Florida 33134

DATE: 10/5/2010
TEST NO: Site 5
W.O. NO: 10-1321

Permeability test was performed by initially drilling the test hole to a depth of 15 feet. At this depth, water was added to the test hole at an average stabilized rate of 0.80 gallons per minute (gpm) for a period of 40 minutes in order to maintain a constant head at the ground surface level. The Hydraulic Conductivity was calculated as follows:

$$K = \text{Hydraulic Conductivity} = \frac{4Q}{\pi d(2H^2 + 4HDs + dH)} \times \frac{1}{448.8} \text{ (Conversion Factor gpm to cfs)}$$

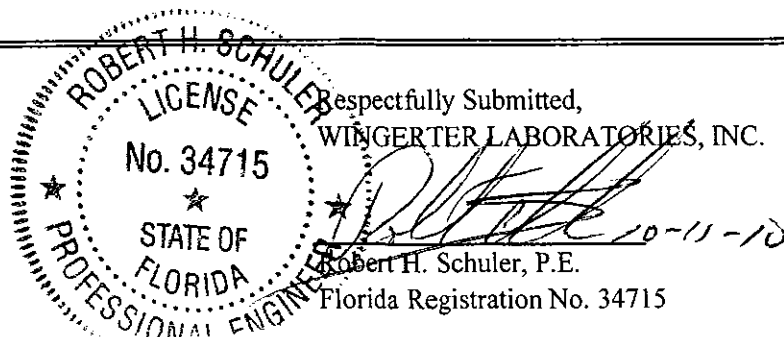
H = Depth to Groundwater Level: 4 Ft
d = Diameter of Test Hole: 8 Inches

<u>Depth of Test Hole</u>	<u>Saturated Depth (Ds)</u>	<u>Stabilized Flow Rate (Q)</u>	<u>Hydraulic Conductivity (K)</u>
15.0 Ft	11.0 Ft	0.80 Gal/Min	1.62E-05 cfs/ft ² per foot of head

SUBSURFACE PROFILE :

<u>Depth</u>	<u>Soil Description</u>
0 - 2'	Tan limesilt
2 - 15'	Tan limesilt and limestone

Field Technician: JC



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REPORT: SOIL PERMEABILITY TEST
S.F.W.M.D./D.O.T PERCOLATION EXFILTRATION
USUAL CONDITION TEST METHOD

CLIENT: Corzo Castella Carballo Thompson & Salman
PROJECT: Village of Palmetto Bay
PROJECT LOCATION: 8315 SW 183rd Terr., Palmetto Bay FL
TEST LOCATION: Northeast Corner Area
REPORTED TO: Corzo Castella Carballo Thompson & Salman
Attn: Carlos Herdocia, P.E.
901 Ponce de Leon Blvd., Ste. 900
Coral Gables, Florida 33134

DATE: 10/5/2010
TEST NO: Site 6
W.O. NO: 10-1321

Permeability test was performed by initially drilling the test hole to a depth of 15 feet. At this depth, water was added to the test hole at an average stabilized rate of 0.43 gallons per minute (gpm) for a period of 60 minutes in order to maintain a constant head at the ground surface level. The Hydraulic Conductivity was calculated as follows:

$$K = \text{Hydraulic Conductivity} = \frac{4Q}{\pi d(2H^2 + 4HDs + dH)} \times \frac{1}{448.8} \text{ (Conversion Factor gpm to cfs)}$$

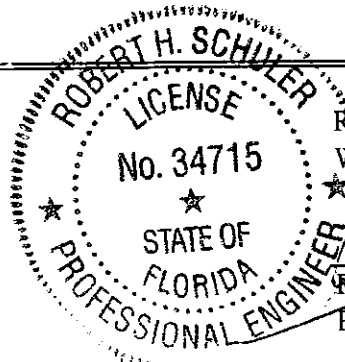
H = Depth to Groundwater Level: 5.4 Ft
d = Diameter of Test Hole: 8 Inches

<u>Depth of Test Hole</u>	<u>Saturated Depth (Ds)</u>	<u>Stabilized Flow Rate (Q)</u>	<u>Hydraulic Conductivity (K)</u>
15.0 Ft	9.6 Ft	0.43 Gal/Min	6.75E-06 cfs/ft ² per foot of head

SUBSURFACE PROFILE :

<u>Depth</u>	<u>Soil Description</u>
0 - 1'	Brown silty sand
1 - 15'	Tan silty sand and limestone

Field Technician: JC



Respectfully Submitted,
WINGERTER LABORATORIES, INC.

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**REPORT: SOIL PERMEABILITY TEST
S.F.W.M.D./D.O.T PERCOLATION EXFILTRATION
USUAL CONDITION TEST METHOD**

CLIENT: Corzo Castella Carballo Thompson & Salman
PROJECT: Village of Palmetto Bay
PROJECT LOCATION: 14440 SW 85th Ave., Palmetto Bay FL
TEST LOCATION: Northeast Corner Area
REPORTED TO: Corzo Castella Carballo Thompson & Salman
Attn: Carlos Herdocia, P.E.
901 Ponce de Leon Blvd., Ste. 900
Coral Gables, Florida 33134

DATE: 10/6/2010
TEST NO: Site 7
W.O. NO: 10-1321

Permeability test was performed by initially drilling the test hole to a depth of 15 feet. At this depth, water was added to the test hole at an average stabilized rate of 0.88 gallons per minute (gpm) for a period of 40 minutes in order to maintain a constant head at the ground surface level. The Hydraulic Conductivity was calculated as follows:

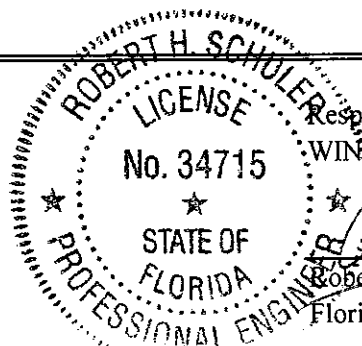
H = Depth to Groundwater Level: 6. Ft
d = Diameter of Test Hole: 8 Inches
K = Hydraulic Conductivity = $\frac{4Q}{\pi d(2H^2 + 4HDs + dH)}$ $\frac{1}{448.8}$ (Conversion Factor gpm to cfs)

<u>Depth of Test Hole</u>	<u>Saturated Depth (Ds)</u>	<u>Stabilized Flow Rate (Q)</u>	<u>Hydraulic Conductivity (K)</u>
15.0 Ft	9.0 Ft	0.88 Gal/Min	1.28E-05 cfs/ft ² per foot of head

SUBSURFACE PROFILE :

<u>Depth</u>	<u>Soil Description</u>
0 - 3'	Gray silica sand and limestone fill
3 - 15'	Tan limestone and silty limesand

Field Technician: JC

Respectfully Submitted,
WINGERTER LABORATORIES, INC.

Robert H. Schuler, P.E.
Florida Registration No. 34715



Acknowledgement of

Addendum of Solicitation

Amendment/Modification No.: 1

Amendment of RFQ No.: 2011-PW-101

Title of Bid: Villagewide Drainage Improvements Phase IV

Name of Proposer _____

Date Addendum Received _____

Total Pages of Addendum including Acknowledgement 10

Signature

Please return acknowledgement of Addendum to the Village of Palmetto Bay Public Works Department via facsimile (305) 969-5091.

The addendum will also need to be submitted along with the remainder of the bid package. Bid submittals without the addendum will be considered unresponsive.