December 29, 2010

MEMO TO: Prospective Bidders

FROM: Byron E. Brady, PE, Contract Management Supervisor

SUBJECT: Addendum No. 2
City of Durham Contract SW-26 – 2011 Sidewalk Construction Project

Request for Information

Request No. 1: Please provide a detail for Item #38 Install Chain Link Fence.
Response No. 2: Three NCDOT Fence pdfs have been attached to this Addendum for your use.

Request No. 2: Are the sidewalk and curb contraction and expansion joints required to be sealed?
Response No. 2: We do not require that the sidewalk expansion joints be sealed unless it is in a subdivision. The joint between the sidewalk and the curb should be sealed if the sidewalk comes in contact with the curb. Generally, we do not have the sidewalk come in contact with the curb. There is usually a 1 to 2 foot verge area between the sidewalk and the curb.

Request No. 3: Can you explain to me the Grading Construction Limits Pay Item and why it’s in CY not SY.
Response No. 3: The “Grading Construction Limits” is a pay item used when there will be cut or fill on the project. For this item we put in the “cut” quantity. This item was applied to Markham Avenue and Club Blvd. On Markham Avenue we are removing a portion of a hill to improve visibility at the intersection of Markham and Washington Street. For Club Blvd we put in a value just in case grading was required. The unit of measurement should be CY.

The deadline for submitting questions regarding this project was yesterday, Wednesday, December 29, 2010. We cannot guarantee answers to any questions submitted after that date.

Bid Date Reminder:
The City will open sealed bids for this project on Wednesday, January 5, 2011 at 2:00 PM in the Public Works Conference Room, 3rd floor, Durham City Hall.

Should you have any questions, please feel free to contact me.

Durham – Where Great Things Happen
**VARIATION DUE TO DIFFERING MANUFACTURING DIMENSIONS.**

THE FABRIC MAY EITHER BE FASTENED TO THE TENSION WIRE BY HOG RINGS SPACED AT 2' INTERVALS, OR THE TENSION WIRE MAY BE WOVEN THROUGH THE FABRIC. USE WIRE CLIPS OR TIES TO ATTACH FABRIC TO POSTS AT 12" CENTERS.

TIE WIRE: 12" FOR 4' & 5'
10" FOR 6'
8" FOR 4' & 5'
9" FOR 6'
7" FOR 4' & 5'
6" FOR 6'
TIE ROD: 375 DIAMETER WITH TURNBUCKLE

**H** IS THE HEIGHT OF FENCE. SEE PAY ITEM DESCRIPTION FOR REQ'D HEIGHT FOR PROJECT.

NOTE: ROLL FORMED LINE POST MAY BE DRIVEN TO A MINIMUM OF 3'-0" IN LIEU OF CONCRETE ANCHOR, UNLESS OTHERWISE DIRECTED BY THE CONTRACTOR.

END POST (3'-6" MIN. LENGTH)

TENSION WIRE #7 GA.

终端 POST (3'-6" Min. Length)

TENSION WIRE #7 GA.

**ELEVATION**

**METHOD OF TYING FENCE TO ENDWALL**

**DETAIL**

**METHOD OF CONSTRUCTING FENCE ON SHARP BREAK IN GRADE**

NOTES:
CAPS ARE REQUIRED ON PIPE POST. CAPS ARE NOT REQUIRED ON "H" POST OR ROLL FORMED POST. INSTALL FENCE FABRIC ON THE SIDE FARthest FROM THE HIGHWAY EXCEPT ON HORIZONTAL CURVES GREATER THAN 3 DEGREES, INSTALL THE FENCE TO PULL AGAINST LINE POST. CONSIDER ALL CHANGES IN DIRECTION OF FENCE LINE OF 30° OR MORE AS CORNERS.
SINGLE SWING GATE

**H** is the height of fence. See pay item description for min. height for project.

NOTE: Roll formed line post may be driven to a minimum of 3'-0" in lieu of concrete anchor, unless otherwise directed by the engineer.

DOUBLE SWING GATE

Maximum wire spacing to be 6'.

MAXIMUM CLEARANCE BETWEEN LOWEST STRAND AND GROUND TO BE 6'.

Erect brace rails between terminal or gate posts at intervals not exceeding 700' on tangents or 360' on short radius curves.

Erect additional terminal posts if directed by the engineer.

Brace terminal posts from both sides of post.

DETAIL OF DITCH CROSSING
**"H" is the height of fence. See pay item description for req'd height for project.**

<table>
<thead>
<tr>
<th>FABRIC</th>
<th>GALV. STEEL OR ALUMINUM COATED STEEL</th>
<th>ALUMINUM ALLOY OR ALUMINUM COATED STEEL (#1 GAGE)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>GALVANIZED STEEL #11 GAGE</td>
<td>GALVANIZED STEEL</td>
</tr>
<tr>
<td>SYSTEM</td>
<td>G1</td>
<td>G2</td>
</tr>
<tr>
<td>LINE POST</td>
<td>1.90&quot; O.D. STEEL PIPE</td>
<td>1.625&quot; X 1.875&quot; STEEL H</td>
</tr>
<tr>
<td>TERMINAL POST (END, CORNER, BRACES)</td>
<td>2.375&quot; O.D. STEEL PIPE</td>
<td>2.375&quot; O.D. STEEL PIPE</td>
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<tr>
<td>GATE POST 7' THRU 12' LEAF</td>
<td>4.000&quot; O.D. STEEL PIPE</td>
<td>4.000&quot; O.D. STEEL PIPE</td>
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**For 4' and 5' fence systems**

**ALLOWABLE COMPONENTS FOR FENCE SYSTEMS**

**For 6' fence systems**

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*Note: The diagram shows a chain link fence with dimensions and components listed in the text.*