Joe Lauro, CPPO/CPPB
Director

August 6, 2015

TO:	ALL PREQUALIFIED BIDDERS
INVITATION TO BID:	Side Slope Closure – Bridgeway Acres Class 1 Landfill
BID NUMBER:	145-0282-CP(DF)
BID SUBMITTAL IS DUE:	August 11, 2015 @ 3:00 PM

ADDENDUM NO. 2

Following is additional information, clarifications, questions and responses relative to referenced Invitation to Bid (ITB):

Questions/Answer

Question 1:

On sheet 38 of 67 in the ITB it states that the contractor is to provide "Professional Liability (Errors & Omissions) insurance. We have never seen this type of insurance be required by a contractor. I am not even sure we can get this coverage. The coverage is required by the EOR. Can this requirement be deleted?

Answer:

Please refer to Invitation to Bid Section C. Professional Liability is required due to field engineering and survey services which will be provided for this project.

Question 2:

It is not specifically shown in the requirements, but we have seen many Pinellas County bids have a requirement for Builders Risk coverage. Please confirm this bid does not.

PLEASE ADDRESS REPLY TO:
400 South Ft. Harrison Avenue, Sixth Floor
Clearwater, Florida 33756
Phone: (727) 464-3311
FAX: (727) 464-3925
Website: www.pinellascounty.org/purchase

Answer:

Please refer to Invitation to Bid Section C. Builders Risk is not a requirement.

Question 3:

Specification Section 01 20 00, Measurement and Payment, Item 1.02G. Item 7 – Furnish and Install Textured 40-mil LLDPE Geomembrane Liner, states that "The quantity of liner will be measured in place by computing the edge of the lined area…" Is it correct to assume that this will be a three-dimensional measurement of the lined area?

Answer:

The quantity of the 40-mil LLDPE Geomembrane Liner will be based on the in-place surface area as provided by the topographic survey.

Question 4:

On the Bid Form, Bid Item 16, Furnish and Install 12-inch Corrugated HDPE Downdrain Pipe, lists a quantity of 2,000 Lineal Feet. Our takeoff indicates that the quantity shown on the plans is significantly less. Please verify the quantity listed on the bid form.

Answer:

Project shall be bid based on the quantities provided in the bid form. Contractor to field verify the quantity before installation.

Question 5:

The Pay Item 29 description on sheet 01 20 00-8 states that subbase, compacted asphalt, paving, shoulders, guardrail, swales, and turf reinforcement mat is to be included in the pay item. Typical section on sheet CD-6 does not show any asphalt paving, guardrail or handrail. How thick and what type of asphalt and where are the guardrails and handrails?

Answer:

The typical access road Details C and D are shown on Sheet CD-6. The Southwest Access Road Crossing and Northeast Access Road Crossing are shown on Sheets CD-4 and CD-4A. Refer to Section 2 on Sheet CD-4A, delete note stating the following, "GUARDRAIL PER FDOT INDEX 400 (TYP. BOTH SIDES)". Handrails or guardrails will not be required.

Question 6:

On the Bid Form, Bid Item 31, Furnish and Install 24-inch Corrugated Plastic Pipe, states a quantity of 60 Lineal Feet. Please indicate the location of this pipe on the plans.

Answer:

Bid Item 31 is in reference to the 24-inch Corrugated Plastic Pipe shown in the Northeast Access Road Connection on Sheet CD-4, which is also shown in Section 4 on Sheet CD-4A.

Question 7:

Bid Item 38 description shown on sheet 01 20 00-10 is vague and unclear. What driveways and sidewalks are expected to be restored? Please describe what "Incidental Work" is to be covered. Please define what signs and posts are to be re-installed. Please define the limits and location of the fence to be relocated. What is restoration of "Easement and ROW"? What is to be included in Temporary Facility? How many bollards are to be installed and where are they?

Answer:

The intended purpose of Pay Item 38 is to cover any additional costs of miscellaneous work and cleanup activities that are not specified in the contract documents but obviously necessary for the proper completion of the work. The items listed are provided as examples.

Question 8:

Specification Section 31 23 00, Earthwork, Item 3.02 Excavation Below Grade, states that "If, in the opinion of the ENGINEER, the material, in its undisturbed natural condition, at or below the normal grade of excavation…is unsuitable for foundations, it shall be removed to such depth and width as he/she may direct and be replaced with suitable material as approved by the ENGINEER at the CONTRACTOR's expense." Given that such conditions are neither foreseeable nor quantifiable at this time, and such determination will be based solely upon the Engineer's opinion, shouldn't such work be considered change order work?

Answer:

Specification Section 31 23 00, paragraph 3.02, is revised as follows:

"If, in the opinion of the ENGINEER, the material, in its undisturbed natural condition, at or below the normal grade of the excavation as indicated on the Drawings is unsuitable for foundations, it shall be removed to such depth and width as he/she may direct and be replaced with suitable material as approved by the ENGINEER."

Note: "at the CONTRACTOR's expense." has been removed and payment will be under waste excavation and waste regrading required per Section 31 75 01 covered under Pay Item 23 and Pay Item 24, respectively.

Question 9:

Specification Section 31 32 19, Composite Drainage Net (CDN), Item 1.08, Material Warranty, states that "The geocomposite manufacturer shall warrant the material on a prorated basis, against manufacturing defects and material degradation for a period of twenty years from the date of Final Acceptance by the Owner." In our communication with the geocomposite manufacturers, they have stated to us that the maximum warranty duration that they can provide is five years, on a prorated basis, from the date of installation. Please consider changing the material warranty requirement for the geocomposite to a total of five years prorated from the date of installation.

Answer:

Specification Section 31 32 19, Paragraph 1.08.A is revised to “The geocomposite manufacturer shall warrant the material on a prorated basis, against manufacturing defects and material degradation for a period of five (5) years from the date of Final Acceptance by the OWNER. The MANUFACTURER shall replace, at no cost to the OWNER, any defective geocomposite material, including labor, within the warranty period. The Manufacturer shall furnish a written warranty covering the requirements of this Paragraph.”

Question 10:

The geocomposite manufacturers also asked us to seek clarification on the following items pertaining to Specification Section 31 32 19 – Puncture 4833 and Mullen Burst 3786 have been replaced with CBR Puncture ASTM 6241 - Since 2010 these testing methods are no longer recognized by ASTM D35 committee or AASHTO M288. Carbon Black ASTM 1603 is outdated and is now tested per ASTM 4218. Geonet tensile is now tested by ASTM 7179, not ASTM 5035.

Answer:

The required conformance testing for the Composite Drainage Net is in paragraph 2.05.A of Section 31 32 19. The revised list of required conformance test is as follows:

1. Density (ASTM D1505) of geonet component.
2. Carbon Black Content (ASTM D4218) of geonet component.
3. Thickness (ASTM D5199) of geonet component.
4. Transmissivity (ASTM D4716) of the geocomposite.
5. Tensile Strength (ASTM D7179) of the geonet component.
6. Mass Per Unit Area (ASTM D5261) of the top and bottom geotextile component.
7. Apparent Opening Size (ASTM D4751) of the top and bottom geotextile component.
8. Peel Adhesion (ASTM 7005) of the geocomposite.

Specification Section 01 43 00, paragraph 5.2.3, Table 5-2, and Specification Section 31 32 19, Table 1, shall use ASTM D4218 for Carbon Black Content and ASTM D7179 for Tensile Strength.

Question 11:

Specification Section 31 75 01, Waste Grading, Relocation, and Excavation Support and Protection, Item 3.01, paragraph B, indicates that existing demolition debris generated during the work should be stored separately in roll off containers. It also states that “These materials shall be disposed appropriately in coordination with County, and may require disposal fees paid by the CONTRACTOR to the County.” The last part of this statement raises the question of how much the disposal fees would be and how the disposal process would be conducted. First, will disposal fees apply and how much would the fees be? Secondly, will debris need to be weighed? Thirdly, can the waste be taken directly to the working face of the landfill or will it need to be taken to the incinerator or another location?

Answer:

There will be no disposal fees associated with the waste grading, relocation and excavation support and protection. The construction inspector will determine where the material will be disposed. In most cases, the material can be taken directly to the working face. If the material can be used as clean fill, then the material will be directed to the County's stockpile. In either case, the material will not be weighed. If significant combustible materials are encountered, the waste will be weighed and taken to the waste-to-energy facility. Roll off containers will not be required for the waste relocation. However, construction debris generated with this project will be required to use roll off containers. See question/response # 13 below for clarification.

Question 12:

For disposal of waste material, can waste excavated from anchor trench excavation be taken directly to the working face of the landfill? Will fees apply to the disposal of such excavated waste material?

Answer:

Waste excavated from the anchor trench can be taken directly to the working face of the landfill**.** At the County's discretion, excavated or clean material will be directed to the County's stockpile located on-site. No tipping fees will be assessed for the disposal of such excavated material.

Question 13:

One more question on waste disposal; can construction debris generated during the course of construction such as pipe scraps, geosynthetic material roll cores, liner scraps, etc., be disposed of onsite? Will tipping fees apply to the disposal of this material?

Answer:

Construction debris generated with this project**,** including construction office debris can be disposed of onsite in roll off containers. There will be no tipping fees, but the debris must be weighed since this is new material brought onsite.

Question 14:

Please consider the following question that one of the geosynthetic material manufacturers asked us to submit: "Assuming all performance requirements are exceeded, will Value Engineering (VE) alternative geosynthetic materials be considered to replace the 300 mil geocomposite drainage layer (i.e. geomembrane with integrated drainage system)?"

Answer:

No.

Question 15:

Specification Section 33 90 25 Corrugated HDPE Pipe, Part 2.01A specifies split couplings at each pipe joint. Part 2.01B of this same specification section indicates watertight pipe with split couplings at the fittings. N12 Watertight pipe and fittings are provided with gasketed ends that allow for connections without the use of couplings. Are we required to only provide split couplings in instances where the pipe and/or fitting is cut to fit, and the joint no longer has the factory gasket?

Answer:

Yes.

Question 16:

Detail E on plan sheet CD-1 shows the toe drain outlet pipe extending from the toe drain through the anchor trench flap. Likewise, Section 1 on plan sheet CD-3 shows an outlet from the terrace drain through the liner flap. For all of these drain outlet applications, is it correct to assume that each liner flap penetration would require a boot per detail D on plan sheet CD-5?

Answer:

Yes, install a boot connecting the HDPE pipes to the 40-mil LLDPE liner flap as shown in Detail D on Sheet CD-5.

Question 17:

Per Dwg. CD-1, Detail E, per the toe drain, at what point does the 40 mil LLDPE Cap turn into 40 mil LLDPE Flap? Also, will the “flap” be extrusion welded to the “cap” geomembrane? This detail does not clearly show whether the “flap” is an extension of the anchor trench, or whether the “flap” is a totally separate strip of geomembrane which is to be extrusion welded to the cap geomembrane. Please clarify this detail.

Answer:

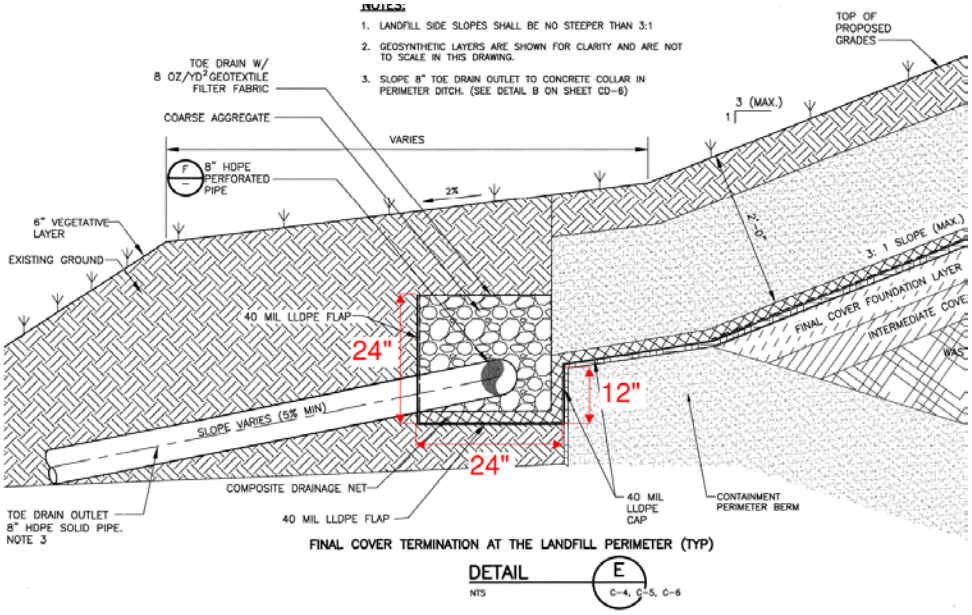
The “40-mil LLDPE flap” shown in Detail E on Sheet CD-1 is a continuation of the 40-mil LLDPE liner cap into the anchor to form the “toe drain”.

Question 18:

Per Dwg. CD-1, Detail E, this detail is not to scale. Please provide dimensions for the 40 mil LLDPE Cap and the 40 mil LLDPE Flap per this detail.

Answer:

Refer to Detail B on Sheet CD-6. The dimensions of Detail E on Sheet CD-1 are also clarified in the markup below:



Question 19:

Per Dwg. CD-1, Detail E, Flap, will the cost associated with installation of this flap be paid for per Bid Item #7? Please clarify.

Answer:

The 40-mil LLDPE liner flap shall be included as part of Pay Item #10 - Furnish and Install 8-inch Perforated Toe Drain HDPE Pipe.

Question 20:

Per Dwg. CD-1, Detail G, Terrace Drain Flap. Will a booted penetration thru this flap be required at the 8" Downdrain pipe connection with 24" or 18" Downdrain pipe per Dwg. CD-3, Detail D?

Answer:

Yes, install a boot connecting the downdrain pipes to the 40-mil LLDPE liner flap as shown in Detail D on Sheet CD-5.

Question 21:

Per Dwg. CD-1, Detail G, Terrace Drain Flap. Will a booted penetration thru this flap be required for the 18" & 24" Downdrain pipe where it extends thru the terrace drain flaps?

Answer:

As shown in Section 1 on Sheet CD-3, the 18-inch and 24-inch downdrain pipe will be installed above the terrace trench drain.

Question 22:

Per Dwg. CD-1, Detail D & Detail G, will the 300 mil Composite Drainage Net that extends above the 40 mil Textured LLDPE flap per this detail be measured and paid, or is it considered incidental to the scope of work? The composite for this flap detail amounts to about 80,000sf. Please clarify.

Answer:

Pay Item 20 is for the trench drain liner flap that is shown in Detail D and Detail G on Sheet CD-1. The unit price for Item 20 will be full compensation for furnishing and installing trench drain liner flap (40-mil LLDPE Liner and 300-mil Composite Drainage Net) including labor, material, equipment, supervision and incidentals necessary to perform the work required to successfully install the product as shown on the drawings and specified.

Question 23:

Detail D on Sheet No. CD-3 shows two (2) 45 degree elbows on the 12" corrugated pipe leading to the 24" flashboard riser. Are we correct in assuming that this pipe changes elevations and drops down prior to connecting to the 24" flashboard riser? If not, please clarify how this pipe is configured at these locations.

Answer:

As shown in Detail C on Sheet CD-1, the Flashboard risers collect stormwater from the bench swales at the low point. The 12-inch corrugated HDPE pipe connects the flashboard risers to the stormwater downdrain.

Question 24:

Detail B on Sheet No. CD-3 provides a width of 12'-0" for the fabric formed rip rap at the down drain outlet structures. However, there does not appear to be a length to allow us to get an accurate square footage quantity. Please provide the length of these areas.

Answer:

See Detail A on Sheet CD-3. The fabric formed riprap is to be installed to the centerline of the gradient channel. Fabric formed rip rap is covered under Pay Item 22 - Furnish and Install Fabric Formed Concrete Riprap.

Question 25:

Per Dwg. CD-5, Detail A, Will the 250 mil Composite Drainage Net (CDN For Gas Venting) that is underneath the 19" Oblong Corrugated Pipe be paid for per Bid Item # 20 or Bid Item # 8? If paid for under Bid Item # 8, how will this material be measured and paid? We are concerned that the nearly 300,000sf of composite for this detail may be treated as part of the incidental anchor trench material.

Answer:

The additional layer of 250-mil Composite Drainage Net required for installation of the 18-inch oblong corrugated slotted pipe as shown in Detail A on Sheet CD-5 shall be included as part of Pay Item 27 – Furnish and Install Oblong Corrugated Slotted Polyethylene Pipe.

Question 26:

Detail C on Sheet No. CD-5 calls out an “18” End Outlet Wrap w/ Geotextile”, which is shown as connecting to the round 6” SDR11 passive gas vent pipe. From the information given to us, the specified manufacturer has a fitting that would possibly allow this type of connection, except the width of that fitting is only 12” wide, rather than 18” wide. Please confirm that there is a fitting to accommodate this connection, as well as providing a detail or product number.

Answer:

Per Specification Section 33 90 32, paragraph 1.03.B, the oblong corrugated slotted polyethylene pipe shall be 18 inch, as manufactured by Advanced Drainage Systems Inc (ADS) or equal, and shall meet ASTM D7001.

Question 27:

Detail C on Sheet No. CD-5 shows a tee or cross to which the oblong corrugated passive gas vent pipe, running parallel along the upper level of the side slope, is connected. This detail appears to be unique to the location containing the passive gas vent vertical riser. Will this detail also pertain to the locations, in the middle and lower levels of the side slope, where the oblong corrugated passive gas vent pipe intersects in locations without the vertical riser? Are we required to install a small length of round pipe and tees? Or, are we to connect the oblong corrugated gas vent pipe with oblong tees?

Answer:

Detail C on Sheet CD-5 is unique to the locations of the passive gas vents shown on Sheets C-7, C-8, and C-9. The oblong corrugated slotted polyethylene pipe shall be installed with the appropriate oblong corrugated polyethylene pipe fittings (flared end sections, elbows, wyes, end sections, etc.) that meet the requirements of Specification Section 33 90 32, paragraph 2.01.

Question 28:

Detail B on Sheet No. CD-6 calls out the concrete pad surrounding the toe drain outlet as 2 foot by 3 foot. This detail also calls out a width for the fabric formed rip rap as 3 feet. The detail shows these two surfaces as running into each other. Is the concrete pad supposed to extend down the slope to the fabric formed rip rap? And, what is the length of the fabric formed rip rap?

Answer:

The 6” thick 2’ x 3’ concrete pad is only to be installed along the west side where the gradient channel is lined. Install the fabric formed riprap as shown in Detail B on Sheet CD-6 at locations where the gradient channel is unlined (See Note 1). Fabric formed rip rap is covered under Pay Item 22 - Furnish and Install Fabric Formed Concrete Riprap.

Question 29:

Please release CAD files with existing phasing (stage) & design grade contours.

Answer:

AutoCAD files will not be made available to bidders. Bidders must rely on the signed and sealed plans and specifications when preparing their bid submittal package.

Question 30:

Plan Page G-1 note 24 calls to remove and replace the existing fence on the east side of the closure area. Is this fence to be removed and re-installed or is this remove and provide new fence? If new fence is required please provide the specifications for the new fence.

Answer:

Note 24 on Sheet G-1 is revised as follows, “CONTRACTOR SHALL REMOVE AND REPLACE THE EXISTING FENCE ON THE ENTIRE EAST SIDE CLOSURE AREA WITH A NEW FENCE THAT MEETS THE REQUIREMENTS OF THE LATEST EDITION OF THE PINELLAS COUNTY STANDARD TECHNICAL SPECIFICATION FOR ROADWAY AND RELATED CONSTRUCTION, SECTION 550, TYPE B FENCING.”

Question 31:

Pay Item #33 is for 30” Ductile Iron Pipe Sleeve. This is used under the service roads but there is no specification for the class of pipe that is required. Please provide a specification for the pipe.

Answer:

The Ductile Iron Pipe Sleeve shall be Pressure Class 350 (see Sheet CD-6, Detail D, Note 2).

Question 32:

Pay Item #1 Mobilization is limited in the measurement and payment section 01-20-00-1 1.02 as not to exceed 2% of the base contract bid. Can this be adjusted to allow for a more reasonable mobilization price?

Answer:

No.

Question 33:

Can a flow rate for the existing Force Main be provided?

Answer:

The design flow for the pump station to the force main is 1 million gallons per day.

Question 34:

Is there any time the existing Force Main can be shut down for the tie in connections?

Answer:

With at least 48 hour notification, the force main can be shut down for a maximum of 6 hours.

All other specifications, terms and conditions remain the same.

Please remember to acknowledge receipt of this Addendum in Section F, Page 48 under Addendum No. 2 and return with completed bid package.

Sincerely,

Joe Lauro, CPPO/CPPB
Director of Purchasing