New Hanover County
Environmental Management Department
RFB 19-0328
LEACHATE SEEP AND EROSION REPAIR SERVICES
ADDENDUM #1
2/4/19
Responses to Bidder Questions

1. The total area for erosion repair work is estimated at 135,000 square feet. What is the total square feet in the large sediment basin not requiring seeding? This will help determine the total square feet remaining for seeding in other areas.
   - The floor of the sedimentation basin is 156,000 square feet (per AutoCad). The remaining area to be repaired and seeded totals approximately 30,000 square feet.

2. Please specify the seed mix (% blend) New Hanover County requires for the seeding of the erosion areas.
   - For the seed blend, we need a “Coastal Mix” for Southeast North Carolina. This blend should be readily available at local seed retailers.

3. On Page 11, the requested price for erosion control services is per linear foot, however the scope of work is in square feet. Please clarify the unit requested. I believe square feet is the best way to measure the erosion control services.
   - Agreed. We have changed the bid price sheet to show square feet for the pricing of the erosion control services work. Revised Price Sheet/Bid Form is attached.

4. For the longer seeps, if stone/brick and block are not effective for allowing the leachate absorption/seeping, is there a backup plan and would this work be conducted as Time and Materials?
   - The Scope of Service has been revised via the addition of the scope contained in Exhibit A-1 to account for continuous seeps on the West side of the landfill, both at the toe of the slope and above the partial side slope closure on the South end. We have determined that the liquid in these areas must be removed and tied into existing leachate collection piping to eliminate the seeps. This requires a different approach than described in the original scope. Please refer to the attached drawings and schematics regarding these areas. Other isolated seeps will be repaired per the original scope.

5. What are the work days and hours? Our understanding is that the landfill typically closes at noon on Saturday. There was reference to working 7 days per week. Please let us know what the hours would be.
   - The Contractor will have 30 days from the Notice to Proceed to complete the work. The Contractor will have access to the site during all daylight hours seven (7) days/week. It is the intent of this contract that the Contractor work seven (7) days/week to expedite the work. The Contractor will be given a key to unlock the gate after normal hours.
6. We need a minimum 1 – 2 week bid extension in order to be able to bid on this project.
   - An extension of one (1) week is granted. The revised deadline for receipt of sealed bids is now Thursday, February 14, 2019, 2:00 p.m. All other dates remain the same.

7. Due to the scope and nature of this project (variances in depth & etc.), a linear foot payment item for seep and repair services will be very difficult if not impossible to price accurately. This payment item would need to be changed to a daily crew rate item.
   - The pricing measure for the leachate seep repairs will remain linear feet. The pricing measure for the erosion control services has been changed to square feet.

8. We currently have several other projects starting up and would not be able to commit to a 2 day callout startup timeframe. We would need an extension on the allowable start time given in the RFP.
   - An extension on the activation time is granted. The updated activation time is now within one (1) week after the contract has been fully executed and/or notice to proceed has been issued. There will inherently be approximately ten (10) days of lead time from the date the award is made to the date the notice to proceed is issued, due to the three (3)-day period for the contractor to sign the contract plus the time it takes to circulate the contract for County signatures, estimated to be an additional seven (7) days. Once the contract is fully executed/notice to proceed is given, the contractor will now have one (1) week to activate.

9. When do you anticipate a Notice to Proceed being issued?
   - Approximately ten (10) days after the award is made.

10. In the scope of service, it states that we are to price leachate seep repairs based on an 8’ wide x 6’ deep excavation. However, it also says that depth will ultimately depend on what it takes to get the leachate to infiltrate. Will there be additional compensation for depths exceeding 6’?
    - No. Please review the information included in the response to question #4 above, and the attached Exhibit A-1, “Additional Scope of Service/Revision” with regard to adjustments to seep repairs. Other isolated seeps will be no deeper than six (6) feet.

11. Will the contractor be responsible for dewatering leachate during excavation operations?
    - Yes, the Contractor will be responsible for de-watering as necessary during excavation. Any liquid to be de-watered will be temporarily piped to be pumped into the nearest leachate cleanout pipe.

12. For backfill material (concrete / brick / block), do we need to provide an excavator to load onto trucks and transport to excavation site?
    - Yes, the Contractor is responsible for providing all equipment necessary to complete the work.

13. The Sedimentation Basin is roughly an acre in size. How are we to price the sediment removal work by the LF? How will work be quantified in the field?
    - Please see answer to question #1 above. Repair work for this and other erosion control repairs shall be bid on total square feet. The Contractor and staff shall field measure the repairs to agree on the total square feet of repairs to be completed.
NEW HANOVER COUNTY
LEACHATE SEEP AND EROSION REPAIR SERVICES
Price Sheet/Bid Form REVISED 2/4/19
RFB # 19-0328

TO: Kim Roane, Business Officer
    New Hanover County
    3002 Hwy. 421 North
    Wilmington, NC 28401

DATE: ____________________  CONTRACTOR: ____________________
OFFICE PHONE: _____________  CELL PHONE: ________________
ADDRESS: ___________________
EMAIL ADDRESS: ___________________

The undersigned, having carefully examined the Instructions to Bidders, New Hanover County
RFB # 19-0328– Leachate Seep and Erosion Repair Services Services, and draft contract dated
January 24, 2019, including the following addenda;
ADDENDUM # ________________  DATED: ____________________
As well as the premises and conditions affecting the work, proposes to furnish all services,
labor, materials and equipment called for to complete the project in accordance with the
contract documents for the following unit price amounts.

Project Price:

    Price for Erosion Control Services  $____/square foot (all inclusive)

    Price for Leachate Seep and Erosion Repair Services $____/linear foot (all inclusive)

REFERENCES: References for work completed at landfills shall be attached to this Price
Sheet/Bid Form.

______________________________  _________________
Signature                                     Title

______________________________
State of Incorporation
RFB 19-0328
ADDITIONAL SCOPE OF SERVICES
Landfill Leachate Seep Repairs
Horizontal Collector Piping

Several sections of the landfill along the toe of slope and above the partial side slope closure on the South end have extensive lengths of seep. It has been determined that the liquid must be removed to eliminate the seeps. Piping will be placed to tie into existing leachate cleanout pipes/landfill gas condensate lines in order to collect and remove the liquid. There will be three (3) separate horizontal collectors to address these seep areas. Please review the drawings and sketches attached to this addendum for detailed specifications for the work.

The intent of the work is to identify the depth of the seeps and then to place horizontal collector piping at such depth to collect the liquid and transport it by gravity into existing leachate collection or landfill gas condensate piping. Given that the liquid will be collected and removed, the depth of trenches may not need to be a minimum of six (6) feet deep. It could be that the trenches only need to be 3-4 feet deep.

The horizontal collector piping shall be six (6) inch SDR 17 HDPE. The horizontal sections shall be perforated per the specifications attached. Contractors should anticipate 1,640 feet of perforated piping. The vertical piping that connects the collectors to each other and to the existing leachate cleanout piping/landfill gas condensate line shall be solid wall HDPE pipe. Contractors should anticipate 325’ of solid wall pipe.

Two horizontal collectors shall be placed at the toe of slope. These tie in to existing leachate clean out pipes (see sketches). One of the collectors will tie in to an existing eight (8) inch HDPE cleanout. For the eight (8) inch cleanout, a reducer will have to be used to tie in to the six (6) inch collector pipe. The other collector will be tied into a six (6) inch HDPE cleanout. Caps shall be fused to the ends of the collectors.

One horizontal collector above the partial side slope closure area will tie in to an existing landfill gas condensate pipe (see sketches). The condensate pipe is three (3) inch HDPE. The Contractor will need to reduce the collector piping to tie in to the three (3) inch line. Caps shall be fused to the ends of the collectors.

The perforated horizontal collectors shall be wrapped with 8 OZ non-woven geotextile. The geotextile shall be in twelve (12) foot wide rolls in order to fully contain NON CALCAREOUS rock between the textile and collector piping (see sketches). The Contractor shall provide documentation that the rock is NON CALCAREOUS. The size of the rock shall be 57 stone. The rock layer shall extend above the leachate seep point in order to force the leachate into the piping. The rock layer shall be two (2) feet by two (2) feet and encase the horizontal collector piping.

Vertical sections of solid wall HDPE pipe DO NOT need geotextile cloth or rock.
Tie-ins to existing shall be determined by conditions in the field. For example, a “T” cut into the existing cleanout pipe may need a 22 or 45 degree fitting added to align to the horizontal collector for welding. These connections will have to be “field fit”.
(not to scale)

Interceptors at toe of slope (1 of 2)
Interceptor above partial slope closure

Line (reduce from 6" to 3"
Tie in to existing 3" Gas well condensate

6" SDR 17 HDPE perforated pipe

6" Solid HDPE pipe
6" cleanout
Tie in to existing 6" SDR 17 HDPE perforated pipe
6" solid Wall Pipe
CLEANOUT CONNECTION DETAIL
NOT TO SCALE

SEEP COLLECTION PIPE
NOT TO SCALE