



CARLSON ENVIRONMENTAL CONSULTANTS, PC

LANDFILL GAS AND SOLID WASTE SPECIALISTS

August 27, 2020

Iredell County Landfill

Re: Addendum #1 - Phase 5 GCCS Expansion

This addendum becomes a part of the original Bidding Documents. The following items are issued to add, modify, and clarify the Bidding Documents. These items shall have the full force and effect as the Bidding Documents, and the cost involved shall be included in the bid prices. Bidder shall acknowledge receipt of this addendum on the bid form. Failure to do so does not remove the Bidder's responsibility for complying with the changes made in this addendum.

All Plan Holders of Record,

Carlson Environmental Consultants, PC took the following notes and issued clarifications during the August 26, 2020 pre-bid meeting held at the Iredell County Landfill.

1. Dean Lail started the meeting at 10:05 a.m. and reviewed the following topics from the bid package documents:

- Read the bid package documents thoroughly.
- Deadline is 2:00 p.m. firm on September 8, 2020 and will be a publicly opened bid at that time.
- This bid process is formal bid process requiring approval by the Board of County Commissioners at their September 15th meeting.
- Bids should be sent to Dean Lail's address as noted in the bid package. Any delays caused by 3rd party delivery are not Iredell County's responsibility. Late bids will not be accepted. Highly encourage hand delivering.
- Upon receipt of award, the successful bidder will be required to show proof of insurance meeting the County's required minimum insurance levels.
- Standard General Conditions of the Construction Contract are stipulated by EJCDC – 2007 (Engineer's Joint Contract Documents Committee)
- The correct bid number is **21-750-FC-01**.
- Bid bond of 5% of the Bidders total project must be included with the bid and on time.
- All information in the submitted bid is public information unless separated and directed as a trade secret, etc.
- Any questions regarding the front-end documents should be directed to Dean Lail, e-mail address is included in the bid package.

2. Brock McNabb, P.E., Carlson Environmental Consultants, PC, continued the meeting and reviewed the following topics and clarifications below:

- Meeting minutes will be distributed to attendees via e-mail after the meeting. Electronic copy of the Bid Schedule of Unit Prices (00405) will also be attached.

- Phase 5 area has no existing GCCS in place other than the tie-in location along the perimeter access road.
- Project includes 19 vertical gas wells of approximately 900 LF and approximately 4,000 LF of buried HDPE pipe of various sizes.
- County would like at least 2-days notification prior to any well drilling.
- All header/lateral LFG piping must be at minimum 4% unless otherwise noted and there should be no deep cut instances to facilitate this slope.
- ICSW would like the Contractor to estimate the weight/volume of (1) load of waste and count the hauled trips to the active face.
- All new condensate forcemain to be installed is 4-inch. Drawings will be updated for final construction set to reflect minor edits pointed out during the meeting.
- This site does have an active Gas to Energy Plant. Any shut downs of the gas system should be coordinated with ICSW personnel and Ray Handy of DTE Biomass.
- Screened material may be available near Phase 6 but is dependent on Phase 6 Cell Construction completion. Bidders should plan to get backfill soils from the active borrow pit near Phases 3 and 4, utilizing their own equipment to load and haul soils. Boorw pit is approximately 1 mile from the Project Area.
- The County will consider work hours outside of their normal operating hours. No night time, after dark or Sunday morning work before 12:00 will be allowed.
- Waste to be placed at the active working face in Phases 1 and 2 should be delivered at least 30 minutes before the County closes for the day. Working face hours are 8:00-4:00 M-F and 8:00-12:00 on Saturday. The landfill is closed on Sundays but access can be provided with ample notification of intent to work outside of landfill operation hours.
- The County prefers that an area identified on top of Phase 5 be used for waste disposal. Intermediate cover soils will need to be stripped for reuse to allow waste on waste contact. All exposed waste must be covered at the end of each operating day with either a tarp or soils...NO EXCEPTIONS. The ICSW can provide a roll-off box for temporary storage of excavated materials with ample notification prior.
- This project is a 45-day to substantial completion and 60-days to final completion project with liquidated damages of \$500/day starting on Day 61. It was requested a 90-120 day project but decided against in favor of the original 45-60 day schedule.
- Weather delays should be requested in writing as they occur. This does not include normal weather events.
- Schedule 80 PVC for well construction.
- Matting to be used for restoration of disturbed areas on all slopes, flat areas may use blown straw with crimping and/or tactifier.
- The well casing Detail 1 on sheet 4 shows a #57 stone with ½” perforations...this should be a 1-inch to 3-inch stone to reduce clogging of well casing.
- The 2-in ball valve on the vacuum riser should have a 6x2-inch fernco reducer instead of HDPE reducer.
- Dust control is the responsibility of the Bidder
- Bucket compaction, to the satisfaction of the CQA Technician will be acceptable.
- CEC will attach a Draft Well Schedule to this document.
- Well heads and dewatering pumps preferred by ICSW are as follows:
Wellhead Model # - 2" PSY2WHNK
Pneumatic Pump & Fittings – **Viridian** Standard Bottom Loading Pneumatic Pump

- There are no synthetic final cap (FML) areas to be disturbed during the project, therefore Note 7 under Detail 7 Header/Air/Forcemain Trench Detail on sheet 4 of 5 is not needed; and Note 2 under Detail 5 LFG Header/Lateral Trench Detail on sheet 4 of 5 does not pertain to this project.
- Contractor must provide its own water source for dust mitigation and well seal hydration
- Contractor to acknowledge receipt of meeting minutes and any addenda on the Bid Form
- Road crossing timeline should be coordinated with ICSW personnel to accommodate other subcontractors that may be utilizing the perimeter road around Phase 5
- Contractor must replace or repair the fabric base within the road crossings
- Additional comments and/or questions are to be submitted to Brock McNabb at bmcnabb@cecenv.com by September 3 at 2:00 p.m.

Please review and comment as needed. If you have any questions, do not hesitate to contact me.

Sincerely,

Brock McNabb, P.E.
Carlson Environmental Consultants, PC
Project Engineer

Attachment(s):

Sign-In Sheet
Draft Well Schedule
Schedule of Unit Prices

**IREDELL COUNTY LANDFILL
LANDFILL GAS SYSTEM CONSTRUCTION
PRE-BID MEETING - SIGN IN SHEET**

**AUGUST 26, 2020
10:00 AM**

Name	Company	Phone Number	Email Address
BROCK McNABB	CEC	336-264-1097	bmcnabb@cecenv.com
Scott Travis	APTIM	M 225-987-6803 W 225-354-6791	Josh.Broggi@aptim.com
Jonathan Lynn	BTM	706-206-7571	Jlynn@btmexcavating.com
Jeff Webster	ICSW	704-437-0655	Jeff.webster@co.iredell.nc.us
David Lambert	ICSW	704-878-5432	dlambert@co.iredell.nc.us
Jamie Buzze	ICSW	704.928.2024	jamie.buzze@co.iredell.nc.us
Ray Hoffman	CEC	704-464-6800	rhoffman@cecenv.com
Michael Ruffin	ICSW	704-437-0653	MIKE.RUFFIN@CO.IREDELL.NC.US
Jeff Boyd	ICSW	704-880-7328	Jeffrey.Boyd@co.Iredell.nc.us
Tom Lennon	Piedmont Industrial	336 722 6505	t.scott@PIS-Inc.com
Mike Curran	Advance One	704-993-8332	Michael.curran@landfillgroup.com
MIKE STALLARD	TRICON WORKS	772-538-8816	MSTALLARD@TRICONWORKS.COM
Dean Carl	Iredell County	704-878-5043	dcarl@co.iredell.nc.us
Joel McCree	BLUE FLAME CREW	704-490-4042	Jmccree@blueflameco.com

WELL SCHEDULE
LFG COLLECTION SYSTEM EXPANSION - 2020
IREDELL COUNTY SW LANDFILL - STATESVILLE, NC

Well No	Northing	Easting	EST. Surface Grade Elevation (ft-MSL)	EST. Base Grade Elevation (ft-MSL)	Proposed Drill Depths (ft)	Liner Separation (ft)	Bottom of Well (ft-MSL)	Perf Pipe (ft)	Solid Pipe (ft)
W-501	737,903.1103	1,456,833.2033	954	879	60	15	894	44	15
W-502	737,862.3585	1,457,006.8795	932	876	41	15	891	25	15
W-503	737,706.1433	1,457,069.5539	926	873	38	15	888	22	15
W-504	737,680.4848	1,456,944.9601	934	875	44	15	890	28	15
W-505	737,703.1246	1,456,796.9578	930	877	38	15	892	22	15
W-506	737,903.1103	1,456,672.3640	966	878	73	15	893	57	15
W-507	737,743.1218	1,456,633.8531	926	880	31	15	895	15	15
W-508	737,783.8735	1,456,455.6462	922	876	31	15	891	15	15
W-509	737,885.1224	1,456,361.8353	926	873	38	15	888	22	15
W-510	737,968.8900	1,456,521.1644	966	875	76	15	890	60	15
W-511	738,024.7350	1,456,341.4473	918	871	32	15	886	16	15
W-512	738,146.9904	1,456,435.0814	920	871	34	15	886	18	15
W-513	738,233.7766	1,456,564.9610	921	873	33	15	888	17	15
W-514	738,106.2386	1,456,634.4315	960	875	70	15	890	54	15
W-515	738,240.5686	1,456,766.5765	926	876	35	15	891	19	15
W-516	738,229.2486	1,456,944.7834	926	879	32	15	894	16	15
W-517	738,142.4624	1,457,018.7846	936	879	42	15	894	26	15
W-518	738,090.3907	1,456,827.7407	968	879	74	15	894	58	15
W-519	738,014.1697	1,456,968.9470	942	878	49	15	893	33	15
Totals					871			567	285

Notes:

1. Estimated surface grade elevations taken from from ground survey completed and compiled by MESCO in May 2020.
2. Design base grade elevations for Phase 5 taken from information provided by Iredell County on a drawing dated January 30, 2012 completed by MESCO.
3. This well schedule is a DRAFT and for estimation purposes only and not to be used for Construction.
4. The entities below have reviewed this well schedule, notified CEC of any discrepancies, and believe to the best of their knowledge that this well schedule is correct.
5. All wells are to have a minimum of 15 feet of separation between the top of liner and the bottom of the bore.
6. The solid pipe shown does not include the above grade portion. This portion of the pipe must be added to the total amount shown, and is typically 3-5 feet.
7. **This well schedule is for planning purposes only and is not issued for drilling.**