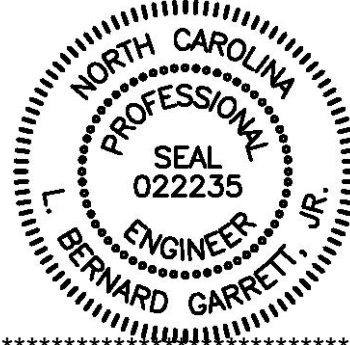


ADDENDUM NO. 2

**BID #25-1020
PROJECT MANUAL
FOR THE
BLACKBURN RESOURCE RECOVERY FACILITY
WASTE PROCESSING FACILITY PROJECT**

Signed, sealed, and dated this 26th day of June 2024

By: *Bernie Garrett*
Bernie Garrett, P.E.



Title: Project Manager

Bidders on this Project are hereby notified that this Addendum shall be attached to and made a part of the above-named Bidding and Contract Documents dated May 2025.

The following items are issued to add to, modify, and clarify the Bidding and Contract Documents. These items shall have full force and effect as the Bidding and Contract Documents, and cost involved shall be included in the bid prices. Bids, to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

Acknowledge receipt of the Addendum by inserting its number and date on Page 2 of 4 of Section C-410 Bid Form. Failure to do so may subject the bidder to disqualification.

GENERAL

Contractor shall comply with all requirements of the NCDOT Approved Driveway Permit attached to this Addendum No. 2.

Contractor shall use Republic Services for dumpster/roll-off container services in accordance with the Catawba County Dumpster/Roll-off Container requirements attached to this Addendum No. 2.

Auto-Cad files are available for the Contractor's convenience by emailing a request to download to Bernie Garrett at bgarrett@garrett-moore.com.

Addendum No. 2

Blackburn Resource Recovery Facility Waste Processing Facility Project

June 26, 2025

DRAWINGS

Replace the Civil Drawings with the revised Civil Drawings using the link to the Bid Notices web site <https://www.catawbacountync.gov/county-services/purchasing/bid-notice/>

END OF ADDENDUM NO. 2



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

JOSH STEIN
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

June 24, 2025

Catawba County

D123-018-25-00045

Catawba County
Attn: Pete Shonka
25 Government Drive
Newton, NC 28658

SUBJECT: Approved Driveway Permit for Blackburn Resource Recovery Treatment and Processing Facility on SR2135, Woodtech Drive in Catawba County

Dear Applicant:

Enclosed, please find an approved driveway permit for the above-mentioned site.

This permit is subject to the attached provisions and is valid for a period of one year from the date that appears hereon. If you have any questions, please contact me at (704)748-2400.

Sincerely,

DocuSigned by:
Travis R Jordan
3736B5E303564F6...
Travis R. Jordan, PE
District Engineer
District 3, Division 12

TRJ:mrw

CC: Garrett & Moore, Inc.
file

EXHIBIT A SPECIAL PROVISIONS

Driveway ID:	D123-018-25-00045	County: Catawba	Route: SR2135
Project:	Blackburn Resource Recovery Treatment and Processing Facility		
Encroaching Party:	Catawba County		
Work Description:	New access on Woodtech Dr.		

General Notes

1. The encroaching party shall notify the District Engineer's Office prior to beginning construction and after construction is complete. Please notify Michael Watson, by e-mail at mrwatson@ncdot.gov or by telephone at (980) 405-6000.
2. NCDOT Contacts:

Name	Title	Telephone
Michael Watson	Assistant District Supervisor	(980) 405-6000
Jeffrey Kanipe	Engineering Technician	(980) 405-6000
Dustin Ledford	Engineering Technician	(980) 405-6000
Travis Carswell	Engineering Technician	(980) 405-6000
Travis R. Jordan, PE	District Engineer	(980) 405-6000

3. An executed copy of this driveway permit and plans shall be present at the construction site at all times during construction. If safety or traffic conditions warrant such an action, NCDOT reserves the right to further limit, restrict or suspend operations within the right of way.
4. All work shall comply with the attached special provisions that are made a part of this contract. Traffic shall be maintained at all times in compliance with the Manual on Uniform Traffic Control Devices for Streets and Highways.
5. As specified in the approved encroachment agreement, it is agreed by both parties that this agreement shall become void if actual construction of the work contemplated herein is not begun within one (1) year from the date of authorization by the party of the first part unless written waiver is secured by the party of the second part from the party of the first part.

Erosion Control

1. The encroaching party shall comply with all applicable federal, state, and local environmental regulations, and shall obtain all necessary federal, state, and local environmental permits, including but not limited to, those related to sediment control, stormwater, wetland, streams, endangered species, and historic sites.
2. Vegetative cover shall be established on all disturbed areas in accordance with the attached recommendations.
3. Proper temporary and permanent measures shall be used to control erosion and sedimentation in accordance with all local, State and Federal regulations.

Construction Operations

1. Trenching, bore pits and/or other excavations shall not be left open or unsafe overnight. The Contractor shall comply with all OSHA requirements and provide a competent person on site to supervise excavation at all times.
2. All materials and workmanship shall conform to the N.C. Department of Transportation's Standards and Specifications Manuals.
3. Strict compliance with the Policies and Procedures for Accommodating Utilities on Highway Rights of Way manual shall be required.
4. Excavating within 1,000 LF of a signalized intersection will require notification by the party of the second part to the Division Traffic Engineer at telephone number (704) 480-9033. All traffic signal or detection cables must be located prior to excavation.
5. Any drainage structure disturbed or damaged shall be restored to its original condition as directed by the District Engineer.
6. **The encroaching party shall notify NCDOT for an inspection before covering any new or altered pipe or drainage structure. The encroaching party may be required to uncover any new or altered drainage within right of way that has not been inspected.**

EXHIBIT A SPECIAL PROVISIONS

Driveway ID:	D123-018-25-00045	County: Catawba	Route: SR2135
Project:	Blackburn Resource Recovery Treatment and Processing Facility		
Encroaching Party:	Catawba County		
Work Description:	New access on Woodtech Dr.		

7. All open cuts shall be backfilled, paved and traversable prior to removing the lane closure.
8. Any disturbed guardrail shall be reset according to the applicable standard or as directed by the District Engineer.
9. All driveways altered during construction shall be returned to a state comparable with the condition of the driveways prior to construction.
10. Right of Way monuments disturbed during construction shall be referenced by a registered Land Surveyor and reset after construction.
11. Ingress and egress shall be maintained to all businesses and dwellings affected by the project. Special attention shall be paid to police and fire stations, fire hydrants and hospitals.
12. Any work requiring equipment or personnel within 5' of the edge of any travel lane of an undivided facility and within 10' of the edge of any travel lane of a divided facility shall require a lane closure with appropriate tapers.
13. Work shall not be performed on both sides of the road simultaneously within the same area.
14. No parking or material storage shall be allowed along the shoulders of any state maintained roadway.
15. All utility access points, such as manholes, splice boxes and junction boxes shall be located at or outside the right of way line. Manholes, splice boxes, junction boxes and vaults shall not be placed in the ditch line, side slopes of the ditches or in the pavement. All manholes, splice boxes, junction boxes and vaults and covers shall be flush with the ground when located within the vehicle recovery area.
16. All utility facilities, including manholes, valve boxes, meter boxes, splice boxes, junction boxes, vaults and access covers, within NCDOT right of way shall have been designed for HS-20 loading rated for continuous traffic. A listing of currently approved manholes and vaults is available at <https://apps.dot.state.nc.us/vendor/approvedproducts/>. If any proposed structure is not of a design pre-approved by NCDOT, the encroaching party shall submit details and design calculations signed and sealed by a Professional Engineer for approval prior to construction.
17. Any utility marker required shall be as close to the right of way line as possible. If it is not feasible to install markers at or near the right of way line, written approval specific to the site shall be obtained from the District Engineer prior to installation.
18. During non-working hours, equipment shall be parked as close to the right of way line as possible and properly barricaded in order not that have any equipment obstruction within the Clear Recovery Area.
19. All roadway signs that are removed due to construction shall be reinstalled at the end of each day.
20. Excavation material shall not be placed on the pavement. Drainage structures shall not be blocked with excavation materials.
21. The proposed construction shall in no way impede or alter the drainage of the existing roadway. All disturbed ditches, shoulders and slopes shall be reshaped, seeded and mulched to the satisfaction of the Department. All drainage areas shall maintain a positive drainage flow.
22. All excavations inside the theoretical 1:1 slope from the existing edge of pavement to the bottom of the nearest trench wall shall be made in accordance with the following conditions:
 - A. All trench excavation inside the limits of the theoretical one-to-one slope, as defined by the policy, shall be completely backfilled and compacted at the end of each construction day. No portion of the trench shall be left open overnight.
 - B. Active excavation shoring, such as sheet piling shall be installed. The design of the shoring shall include the effects of traffic loads. The shoring system shall be designed and sealed by an engineer registered in North Carolina. Shoring plans and design calculations shall be submitted to the Division Engineer for review prior to construction. **Trench boxes shall not be accepted as shoring.**
 - C. Installation of trench shoring shall be accomplished with minimal over-excavation. Trench boxes will be allowed, however, they shall not be used as shoring.

EXHIBIT A SPECIAL PROVISIONS

Driveway ID:	D123-018-25-00045	County: Catawba	Route: SR2135
Project:	Blackburn Resource Recovery Treatment and Processing Facility		
Encroaching Party:	Catawba County		
Work Description:	New access on Woodtech Dr.		

- D. Traffic shall be moved to a travel lane outside the limits of the theoretical 2:1 slope from the bottom of the nearest trench wall to the pavement surface.
- E. The trench backfill material shall meet the Statewide Borrow Criteria. The trench shall be backfilled in accordance with Section 300-7 of the 2012 Statewide Standard Specifications for Roads and Structures, which basically "requires the backfill material to be placed in layers not to exceed 6 inches loose and compacted to at least 95% of the density obtained by compacting a sample in accordance with AASHTO T99 as modified by DOT.

Utilities

1. The encroaching party is required to contact the appropriate Utility Companies involved and make satisfactory arrangements to adjust the utilities in conflict with the proposed work prior to beginning construction.

Work Zone Traffic Control

WORK ZONE TRAFFIC CONTROL QUALIFICATIONS AND TRAINING PROGRAM

Effective July 1, 2010, all flagging operations within NCDOT Right of Way require qualified and trained Work Zone Flaggers.

Effective July 1, 2011, qualified and trained Work Zone Traffic Control Supervisors will be required on Significant Projects.

Training for this certification is provided by NCDOT approved training resources and by private entities that have been pre-approved to train themselves. If you have any questions, contact our web site at <https://connect.ncdot.gov/projects/WZTC/Pages/Training.aspx>, or contact Stuart Bourne, P.E. with NCDOT Work Zone Traffic Control Unit at (919) 662-4338 or sbourne@ncdot.gov.

1. Work Time Restrictions:

No work requiring a lane restriction allowed from 6:00-8:00 AM and 4:00–6:00 PM Monday-Friday

No work requiring a lane restriction shall be permitted between the following holiday times:

- **New Year's Day** – Between the hours of the hours of 5 p.m. December 31st and 8 a.m. January 2nd. If New Year's Day is on a Friday, Saturday, Sunday or Monday, then until 8 a.m. the following Tuesday.
- **Easter** – Between the hours of 5 p.m. Thursday and 8 a.m. Monday.
- **Memorial Day** – Between the hours of 5 p.m. Friday and 8 a.m. Tuesday.
- **Independence Day** – Between the hours of the hours of 5 p.m. the day before Independence Day and 8:00 a.m. the day after Independence Day. If Independence Day is on a Friday, Saturday, Sunday, or Monday then 5 p.m. the Thursday before to 8 a.m. the Tuesday after Independence Day.
- **Labor Day** – Between the hours of 5 p.m. Friday and 8 a.m. Tuesday.
- **Thanksgiving Day** – Between the hours of 5 p.m. Tuesday and 8 a.m. Monday.
- **Christmas** – Between the hours of 5 p.m. the Friday before the week of Christmas Day and 8 a.m. the following Tuesday after the week of Christmas Day.

No work shall be permitted for any event that creates unusually high traffic volumes in the surrounding areas. The District Engineer shall advise the encroaching party of any such event and detail the time restrictions.

2. The contractor shall not begin the construction until after the traffic control and erosion control devices have been installed to the satisfaction of the District Engineer.
3. All traffic control signs and supports shall meet NCHRP 350 standards. If work is to be performed at night, all signs must be retro-reflective.

EXHIBIT A SPECIAL PROVISIONS

Driveway ID:	D123-018-25-00045	County: Catawba	Route: SR2135
Project:	Blackburn Resource Recovery Treatment and Processing Facility		
Encroaching Party:	Catawba County		
Work Description:	New access on Woodtech Dr.		

4. All signal work shall be performed by an approved NCDOT Signal Contractor.
5. All Lanes of travel shall be open during non-working hours. Do not exceed a difference of 2-inches in elevation between open lanes of traffic for nominal lifts of 1.5-inches. Install advance warning UNEVEN LANES signs (W8-11 at 48" x 48") 500 feet in advance.
6. Backfill at 6:1 slope up to the edge and elevation of the existing pavement in areas adjacent to an open travel lane that has an edge of pavement drop-off as follows:
 - (A) Drop-off that exceeds 2-inches on roadways with posted speed limits of 45 mph or greater
 - (B) Drop-off that exceeds 3-inches on roadways with posted speed limits less than 45 mph
 Backfill the unacceptable drop-off with suitable compacted material, as approved by the Engineer.
7. Two-way traffic shall be maintained at all times. The traveling public shall be warned of construction with complete and proper signing and traffic control devices in accordance with the MUTCG, Roadway Standard Drawings and MUTCD. The encroaching party agrees to provide traffic control devices, lane closures, road closures, positive protection and/or any other warning or positive protection devices necessary for the safety of the motorists and workers during construction and any subsequent maintenance. This shall be performed in conformance with the latest NCDOT Maintenance/Utility Traffic Control Guidelines (MUTCG), NCDOT Roadway Standard Drawings and Standard Specifications for Roads and Structures and Amendments or Supplements thereto. When there is no guidance provided in the Roadway Standard Drawings or Specifications, comply with the Manual of Traffic Control Devices for Streets and Highways (MUTCD) and Amendment or Supplement thereto. Information as to the above rules and regulations may be obtained from the District Engineer.

Flaggers

8. **All personnel performing flagging, spotting, or operating Automated Flagger Assist Devices (AFAD) inside highway right of way shall be certified and trained in an NCDOT approved Flagger Course.**
9. **Flaggers shall be Certified and carry a card issued by a NCDOT certified firm.**
10. Flaggers shall wear ANSI Class 2 safety vest. An ANSI Class 3 safety vest is encouraged for flagging at night.
11. All others shall wear ANSI Type 2 safety vests at all times while on the right-of-way.
12. Stop/Slow paddles shall be a minimum of 18-inches wide and be attached to a 7-ft. pole.
13. Flaggers should be used at all adjacent streets and driveways. Radio communication is recommended. Red flags are only used in emergencies.

Flaggers should never:

- Try to stop moving traffic while standing in the lane.
- Turn your back to moving traffic.
- Do not sit down or lean on something.
- Put stop/slow paddle in a cone or drum.

Portable Signs

14. Use Type VII, VIII or IX (prismatic) fluorescent orange retroreflective sheeting or better without adhesive backing for roll-up or composite portable work zone signs
15. No wood, aluminum, or mesh signs shall be permitted.
16. Signs and sign stand assemblies must meet or exceed the requirements of the NCHRP350 for Work Zone Category II Devices.
17. Lay portable work zone sign flat on the ground and collapse the sign stand and lay it flat on the ground when not in use for longer that 30 minutes.
18. Sand bags are permitted for holding down sign stands.
19. Keep portable signs cleaned and well maintained. Replace the portable when it has become damaged, torn, or

EXHIBIT A SPECIAL PROVISIONS

Driveway ID:	D123-018-25-00045	County: Catawba	Route: SR2135
Project:	Blackburn Resource Recovery Treatment and Processing Facility		
Encroaching Party:	Catawba County		
Work Description:	New access on Woodtech Dr.		

deteriorated beyond effectiveness.

20. For 2 lane, 2 way roadways use a minimum mounting height of 1 foot (edge of pavement to bottom of sign).
21. For multi-lane roadways, use a minimum mounting height of 5 feet (edge of pavement to bottom of sign).
22. No matter what the distance from the bottom of the portable work zone sign, install the portable work zone sign stand to carry only roll-up or composite material work zone signs.

Stationary Signs

23. Stationary work zone signs shall be mounted at a minimum height for 7-ft. Do not back brace the work zone sign supports. Splicing work zone sign posts is acceptable. (42-inch minimum ground embedment depth, 18-inch minimum and 20-inch maximum splice). All bolts and hardware must be galvanized.
24. The party of the second part agrees to provide traffic control devices, lane closures, road closures, positive protection and/or any other warning or positive protection devices necessary for the safety of road users during construction and any subsequent maintenance. This shall be performed in conformance with the latest NCDOT Roadway Standard Drawings and Standard Specifications for Roads and Structures and amendments or supplements thereto. When there is no guidance provided in the NCDOT Roadway Standard Drawings and Specifications for Roads and Structures, comply with the Manual on Uniform Traffic Control Devices for Streets and Highways and amendment or supplements thereto. Information as to the above rules and regulations may be obtained from the NCDOT Division Engineer-.

Seeding and Mulching

The kinds of seed and fertilizer, and the rates of application of seed, fertilizer, and limestone, shall be as stated below. During periods of overlapping dates, the kind of seed to be used shall be determined. All rates are in pounds per acre.

Shoulder and Median Areas

August 1 - June 1		May 1 - September 1	
20#	Kentucky Bluegrass	20#	Kentucky Bluegrass
75#	Hard Fescue	75#	Hard Fescue
25#	Rye Grain	10#	German or Browntop Millet
500#	Fertilizer	500#	Fertilizer
4000#	Limestone	4000#	Limestone

Areas Beyond the Mowing Pattern, Waste and Borrow Areas:

August 1 - June 1		May 1 - September 1	
100#	Tall Fescue	100#	Tall Fescue
15#	Kentucky Bluegrass	15#	Kentucky Bluegrass
30#	Hard Fescue	30#	Hard Fescue
25#	Rye Grain	25#	German or Browntop Millet
500#	Fertilizer	500#	Fertilizer
4000#	Limestone	4000#	Limestone

Approved Tall Fescue Cultivars

2 Millennium	Coyote	Inferno	Olympic Gold	Signia
Avenger	Davinci	Justice	Padre	Silverstar
Barlexas	Dynasty	Jaguar 3	Paraiso	Southern Choice II
Barlexas II	Dominion	Kalahari	Picasso	Stetson

EXHIBIT A SPECIAL PROVISIONS

Driveway ID:	D123-018-25-00045	County: Catawba	Route: SR2135
Project:	Blackburn Resource Recovery Treatment and Processing Facility		
Encroaching Party:	Catawba County		
Work Description:	New access on Woodtech Dr.		

Barrera	Duster	Kentucky 31	Piedmont	Tarheel
Barrington	Endeavor	Kitty Hawk	Pure Gold	Titan Ltd
Biltmore	Escalade	Kitty Hawk 2000	Prospect	Titanium
Bingo	Falcon II, III, IV & V	Lexington	Quest	Tomahawk
Bravo	Fidelity	Magellan	Rebel Exeda	Tacer
Cayenne	Finesse II	Masterpiece	Rebel Sentry	Trooper
Chapel Hill	Firebird	Matador	Regiment II	Turbo
Chesapeake	Focus	Matador GT	Rembrandt	Ultimate
Constitution	Grande II	Millennium	Rendition	Watchdog
Chipper	Greenkeeper	Montauk	Scorpion	Wolfpack
Coronado	Greystone	Mustang 3	Shelby	

Approved Kentucky Bluegrass Cultivars:

Alpine	Apollo	Arcadia	Arrow	Award
Bariris	Bedazzled	Bordeaux	Champagne	Chicago II
Envicta	Impact	Midnight	Midnight II	Rugby
Rugby II	Showcase	Sonoma		

Approved Hard Fescue Cultivars:

Chariot	Firefly	Heron	Kenblue	Minotaur
Nordic	Oxford	Reliant II	Reliant IV	Rhino
Scaldis II	Spartan II	Stonehenge	Warwick	

On cut and fill slopes 2:1 or steeper add 20# Sericea Lespedeza January 1 - December 31.

Fertilizer shall be 10-20-20 analysis. A different analysis of fertilizer may be used provided the 1-2-2 ratio is maintained and the rate of application adjusted to provide the same amount of plant food as a 10-20-20 analysis and as directed.

TEMPORARY SEEDING:

Fertilizer shall be the same analysis as specified for *Seeding and Mulching* and applied at the rate of 400 pounds and seeded at the rate of 50 pounds per acre. German Millet, or Browntop Millet shall be used in summer months and rye grain during the remainder of the year. The Engineer will determine the exact dates for using each kind of seed.

FERTILIZER TOPDRESSING:

Fertilizer used for topdressing shall be 16-8-8 grade and shall be applied at the rate of 500 pounds per acre. A different analysis of fertilizer may be used provided the 2-1-1 ratio is maintained and the rate of application adjusted to provide the same amount of plant food as 16-8-8 analysis and as directed.



catawba county
finance

DUMPSTER / ROLL-OFF CONTAINER REQUIREMENTS

Catawba County has a franchise agreement with Republic Services for solid waste disposal. If you need a dumpster or roll-off container for your project, you must use Republic Services.

REPUBLIC SERVICES CONTACT: TABETHA TALLENT
CONSTRUCTION ACCOUNT MANAGER
TELEPHONE: 828-303-0191

- If you own a solid waste dumpster or roll-off container and means to transport it, you may use your own equipment.
- If you have issues establishing service with Republic Services, please contact the Catawba County Utilities & Engineering Office at 828-465-8217.

catawbacountync.gov

Purchasing Office

25 Government Drive | PO Box 389 | Newton NC 28658 | 828.465.8227

MAKING. LIVING. BETTER.