

PROJECT SPECIAL PROVISIONS**ROADWAY****BURNING RESTRICTIONS:**

(7-1-95)

200, 210, 215

SP2 R05

Open burning is not permitted on any portion of the right-of-way limits established for this project. Do not burn the clearing, grubbing or demolition debris designated for disposal and generated from the project at locations within the project limits, off the project limits or at any waste or borrow sites in this county. Dispose of the clearing, grubbing and demolition debris by means other than burning, according to state or local rules and regulations.

GRADING

Grading work on this project shall be performed in accordance with Section 226 of the Standard Specifications. In addition to the work included in Section 226-1, grading for removal of the existing pipe system and excavation necessary to complete this work (to include borrow material) shall be incidental and no separate payment will be made. Work covered under lump sum grading shall include all fill material within the excavated area greater than one foot above the culvert.

All existing pipe shall be removed. All pipe removal will be considered waste material. It shall be the responsibility of the Contractor to dispose of waste to an approved construction landfill site or other waste disposal site provided by the contractor. **A copy of the waste site permit shall be provided to the inspector prior to hauling off any materials.**

Comprehensive grading work will be paid for at the contract lump sum price for "Grading". Payment will be made under:

Pay Item
Grading

Pay Unit
Lump Sum

INSTALLATION OF STATE SUPPLIED PIPE:**Description**

The Contractor shall notify the Engineer 7 days in advance of delivery and is required to be on-site during the delivery and assembly of the State Supplied Pipe. The Contractor shall provide equipment, an operator, and rigger to load, transport and unload the State Supplied Pipe. Care shall be taken not to damage items.

Prior to commencing excavation for the installation of the *State Supplied Pipe*, provide a bypass pumping plan, utilizing "Best Management Practices" (BMP's) 5.2.1 for approval.

Link to BMP's:

<https://connect.ncdot.gov/resources/roadside/FieldOperationsDocuments/Best%20Management%20Practices%20for%20Construction%20and%20Maintenance%20Activities.pdf>

Prior to commencing excavation for the installation of the State Supplied Pipe, implement the approved bypass pumping plan. (See Special Provision for Impervious Dike). This includes but is not limited to furnishing, installing, maintaining and removal of all pumps and any incidentals required to effectively implement the approved bypass pumping plan and dewatering plan. Bypass pumping and dewatering is required to isolate the watercourse from the work area and to ensure all work within the limits of the stream is conducted in the dry, in accordance with project environmental permits and Department BMP's.

Isolate upstream and downstream work area utilizing impervious dikes (See Impervious Dike Special Provision). Every effort shall be made to construct the impervious dikes sufficiently to prevent infiltration of water into the work area and to work in the dry. In the event that water infiltrates the work area, this water shall be immediately and continuously pumped into a special stilling basin prior to impacting work area. The inability of the contractor to isolate the work area from water infiltration and or to properly handle infiltrated water may be cause for excavation work to be temporally suspended in accordance with Article 108-7 of the Standard Specifications, until compliance can be achieved.

There will be no additional payment for furnishing, installing, maintaining and removing pumps and any incidentals required to effectively implement an approved bypass pumping plan and dewatering plan as this is considered incidental to the *Installation of State Supplied Pipe*.

Except as modified below, prepare the work site **in accordance with Section 300 Pipe Installation of the Standard Specifications** to the lines and grades shown on the plans or as established based onsite conditions and approved by the Engineer.

Excavate, undercut, provide material, condition foundation, furnish and place all backfill material as necessary to complete the project to the line and grade established. As part of the excavation, remove and properly dispose of all existing pipe structure. Only excavated material that is approved by the Engineer shall be allowed to be reused as backfill. All excavated material not approved as backfill shall be properly disposed of at an approved waste facility.

Install all components of supplied proposed pipe structure and headwalls. A representative from the pipe manufacturer will be on site during the assembly and backfilling of the State Supplied Pipe. When Structural pipe plates are required, the pipe manufacturer will provide On-Site assembly of the structure. The Contractor shall cooperate with the manufacturer's representative, in accordance with Article 105-7, Cooperation between Contractors.

Measurement and Payment

Installation of State Supplied Pipe Structure and Headwalls will be measured and paid at the lump sum price for the contract item.

Pay Item

Pay Unit

Installation of State Supplied Pipe Structure and Headwalls

Lump Sum

PIPE BEDDING MATERIAL**Description**

Pipe bedding material shall be #57 stone, or Engineer approved equal. Payment to the contractor will be full compensation for all work involving pipe bedding, including all pipe undercut excavation, placing pipe bedding material, shaping the pipe foundation and hauling and disposing of materials.

The Contractor shall place #57 stone in accordance with the details of the proposal and the following provision. Backfill material shall be #57 stone placed one (1) foot below the pipe invert and a minimum of one (1) foot above the top of the pipe. An NCDOT approved soil engineering fabric shall be required on top of the #57 stone prior to placing the Aggregate Base Course and pavement structure. The contractor shall thoroughly and carefully backfill the pipe in accordance with plans.

Materials

Item	Section
# 57 Stone	1005

Construction Methods

The stone shall be placed and compacted as directed by the Engineer.

Measurement and Payment

#57 Stone will be measured and paid in tons that are completed and accepted. The stone will be measured by being weighed in trucks on certified platform scales or other certified weighing devices. The price and payment will be full compensation for furnishing, hauling, placing, and all incidentals necessary to complete the work.

Payment will be made under:

Pay Item	Pay Unit
#57 Stone	Ton

FOUNDATION CONDITIONING GEOTEXTILE

All #57 stone backfill materials shall be encapsulated with engineering fabric (Foundation Conditioning Geotextile). Engineering fabric, meeting the requirements of Article 1056-2 of the *Standard Specifications*, shall be provided.