

Section 215

1 steps, chimneys, column footings, other footings, foundation slabs, basements or other
2 foundation components.

3 Do not disturb any fencing, outbuilding or other obstruction that are entirely clear of the right
4 of way unless otherwise indicated in the plans or in the contract.

5 Conform to all applicable safety codes pertaining to the work, secure all permits that may be
6 required and pay all fees in connection therewith.

7 **210-3 UTILITIES**

8 Make all necessary arrangements with utility companies for the disconnecting of all services
9 and the removal of and recovery by them of all meters, telephones and any other utility
10 facilities or equipment owned by them. Arrange for and actually effect the disconnecting and
11 closing of water and sewer connections to buildings, including but not limited to any work
12 that shall be done in addition to that normally done by the utility company, in conformity with
13 all applicable codes and regulations of the local Boards of Health. Pay for all costs incurred
14 in connection with the above work. All refunds or deposits that may become due as a result
15 of the disconnection of service and the returning of equipment or facilities to any utility
16 company become the property of the Department.

17 **210-4 DISPOSAL**

18 Unless otherwise indicated in the contract, all materials recovered during demolition become
19 the property of the Contractor to remove from the project. Disposal by burning is permitted,
20 subject to all other applicable sections of these *Standard Specifications* and all State and local
21 ordinances.

22 Dispose of materials and debris in accordance with Section 802.

23 **210-5 MEASUREMENT AND PAYMENT**

24 There will be no direct payment for demolishing the buildings and appurtenances listed in the
25 contract. Payment for this work will be included in the contract lump sum price for *Clearing*
26 *and Grubbing* in accordance with Article 200-8.

27 Where underground storage tanks are indicated, there will be no direct payment for the
28 closure or assessment, as payment at the contract lump sum price for *Clearing and Grubbing*
29 will be full compensation for all costs of such closure or assessment.

30 As an exception to the above, when the description of the work covered by a particular
31 building demolition item does not contain information concerning the presence of asbestos
32 material or underground storage tanks and the asbestos material or underground storage tanks
33 are discovered after the opening of bids for the project, the Engineer may have the work
34 performed by others or the cost of removal and disposal of such asbestos material or
35 underground storage tanks will be paid in accordance with Article 104-7.

36 **SECTION 215**
37 **REMOVAL OF EXISTING BUILDINGS**

38 **215-1 DESCRIPTION**

39 Remove and dispose of all buildings, building components and appurtenances indicated in the
40 contract.

41 **215-2 CONSTRUCTION METHODS**

42 Buildings may be removed intact, removed in sections or demolished. Dispose of resulting
43 material and debris. All materials resulting from the removal of buildings, except such
44 materials as may be the property of utility companies providing service to the building,
45 become the property of the Contractor to dispose of or use or sell by him as his own property.

1 Provide all permits and dispose of all contaminated material encountered in connection with
2 the work. Before removal of any building, comply with the notification requirements of
3 40 CFR Part 61, Subpart M that applies to asbestos. Give notification to the North Carolina
4 Department of Health and Human Services, Division of Public Health Epidemiology Branch
5 and/or the appropriate county agency when the county performs enforcement of the Federal
6 Regulation. Submit a copy of the notification to the Engineer before the building removal.

7 Perform removal and disposal of asbestos in accordance with 40 CFR. Comply with all
8 Federal, State and local regulations when performing building removal; asbestos removal and
9 disposal; and UST removal and contaminated material disposal. Any fines resulting from
10 violations of any regulation are the sole responsibility of the Contractor and the Contractor
11 agrees to indemnify and hold harmless the Department against any assessment of such fines.

12 The Department will perform asbestos assessments and abatement for building items
13 identified in the contract. Copies of this report may be obtained through the
14 Division Right-of-Way Agent. When a building has had or will have asbestos removed and
15 the Contractor elects to remove the building such that it becomes a public area, the Contractor
16 is responsible for any additional costs incurred including final air monitoring.

17 Before removal of a regulated UST, comply with the notification requirements of
18 40 CFR Part 280.71(a). Notification is not required if the tank is unregulated. Give
19 notification to the appropriate regional office of NCDEQ, Division of Waste Management,
20 UST Section. Submit a copy of the notification to the Engineer before the removal of the
21 UST.

22 Permanently close UST systems by removal and disposal in compliance with the regulations
23 set forth in 40 CFR Part 280.71 and 15A NCAC 2N and any applicable local regulations.
24 Assess UST sites at closure for the presence of contamination as required in
25 15A NCAC 2N .0803 and as directed by the appropriate Regional Office of the Division of
26 Waste Management. Remove and dispose of UST systems and contents in a safe manner in
27 conformance with *American Petroleum Institute Bulletin 1604*, Removal and Disposal of
28 Used Underground Petroleum Storage Tanks, Chapters 3 through 6. As an exception to these
29 requirements, the filling of the tank with water as a means of expelling vapors from the tank
30 as described in Section 4.2.6.1 of *American Petroleum Institute Bulletin 1604*, will not be
31 allowed. Disposition of any contaminated material associated with UST will be made in
32 accordance with Article 107-25.

33 Completely clear from the right of way all buildings, including sheds, outbuildings or other
34 obstructions as indicated in the contract. Remove all shelters, porches, roofed areas and other
35 appurtenances that are attached to the building. Remove steps, chimneys, column footings,
36 other footings, foundation slabs, basements or other foundation components shall be removed.

37 Do not disturb any fencing, outbuildings or other obstruction, that is entirely clear of the right
38 of way unless otherwise indicated in the plans or in the contract.

39 Conform to all applicable safety codes pertaining to the work and secure all permits that may
40 be required and pay all fees in connection therewith.

41 **215-3 UTILITIES**

42 Make all necessary arrangements with utility companies for the disconnecting of service and
43 the removal of and recovery by them of all meters, telephones or any other utility facilities or
44 equipment owned by them. Arrange for and effect the disconnecting and closing of water and
45 sewer connections to the buildings, including but not limited to any work that shall be done in
46 addition to that normally done by the utility company, in conformity with all applicable codes
47 and regulations of the local Boards of Health. Pay for all costs incurred in connection with
48 the above work. All refunds or deposits that may become due as a result of the disconnection
49 of service and the returning of equipment or facilities to any utility company becomes the
50 property of the Department.

Section 220

1 **215-4 DISPOSAL**

2 Unless otherwise indicated in the contract, all materials recovered during demolition become
3 the property of the Contractor to remove from the project. Disposal by burning is permitted,
4 subject to applicable sections of the *Standard Specifications*, State and local ordinances.

5 Dispose of materials and debris in accordance with Section 802.

6 **215-5 MEASUREMENT AND PAYMENT**

7 There will be no direct payment for removing the buildings listed in the contract. Payment for
8 this work will be included in the contract lump sum price for *Clearing and Grubbing*.

9 Where underground storage tanks are indicated in the contract, there will be no direct
10 payment for the assessment or closure. Payment for this work will be included in the contract
11 lump sum price for *Clearing and Grubbing*.

12 As an exception to the above, when the description of the work covered by a particular
13 building removal item does not contain information concerning the presence of asbestos
14 material or UST and the asbestos material or UST are discovered after the opening of bids, the
15 Engineer may have the work performed by others or the cost of removal and disposal of such
16 asbestos material or UST will be paid in accordance with Article 104-7.

17 **SECTION 220**
18 **BLASTING**

19 **220-1 DESCRIPTION**

20 Use blasting as needed to excavate, break up or remove rock, construct stable rock cut slopes
21 and for other approved reasons. This section applies to all types of blasting including
22 production, controlled, pre-split, trim, trench and secondary blasting except blasting adjacent
23 to highway structures. See Article 410-9 for blasting adjacent to highway structures. Unless
24 required otherwise in the contract, design blasts for the vibration and air overpressure limits in
25 this section. Pre-split rock cuts at locations shown on the plans and as directed. Provide
26 blasting plans, blast monitoring and post-blast reports as necessary or required. Perform
27 blasting in accordance with the contract, accepted submittals and as directed. Use
28 a prequalified Blasting Contractor for blasting.

29 **220-2 MATERIALS**

30 Refer to Division 10.

Item	Section
Coarse Aggregate	1005

31 Use coarse aggregate (standard size No. 67 or 78M) for stemming.

32 **220-3 CONSTRUCTION METHODS**

33 Notify the Engineer and all occupants and owners of residences, businesses and utilities near
34 where blasting will occur of the intention to use explosives. Inform the Engineer, occupants
35 and owners of blasting at least 48 hours before each blast. When blasting in the vicinity of
36 an open travel way, provide traffic control in accordance with the contract and Section 1101.

37 Control blasting to avoid endangering lives or damaging property. The Contractor is
38 responsible for any injuries and damages due to blasting in accordance with Article 107-11
39 except for damage to wells and springs, unless the Contractor did not use reasonable care to
40 prevent such damage. Exercise the utmost care when blasting near sensitive environmental or
41 populated areas, urban or sensitive communities or historical structures. Comply with all the
42 latest applicable Federal, State and local codes, laws and regulations, as well as professional
43 society standards for the storage, transportation and use of explosives. Keep a copy of all
44 regulations on site and in case of conflict, the more stringent applies.