

Section 205

- 1 *Select Tree Removal* will be measured and paid as the actual number of select trees removed
- 2 from the project.
- 3 Work performed in cleaning up non-wooded areas between the construction limits and the
- 4 limits of the project right of way or easements shown in the plans; work performed in the
- 5 dressing up of areas between the construction limits and the clearing limits; and the removal
- 6 of weeds, vines, plant stalks, loose rock and small scattered trees will be incidental to the
- 7 work of clearing and grubbing.
- 8 Where plants are damaged by construction operations, the work to cut and dispose of them
- 9 will be incidental to the work of clearing and grubbing.
- 10 Payment will be made under:

Pay Item	Pay Unit
Clearing and Grubbing	Lump Sum
Supplementary Clearing and Grubbing	Acre
Select Tree Removal	Each

SECTION 205
SEALING ABANDONED WELLS

205-1 DESCRIPTION

14 Seal abandoned wells at locations shown in the contract or as directed. Perform all work in
15 accordance with NCDEQ requirements.

205-2 CONSTRUCTION METHODS

17 Use a Well Contractor certified by the State of North Carolina to perform abandonment.

18 Environmental Ground Water Monitoring Well abandonment should be coordinated with the
19 GeoEnvironmental Section of NCDOT.

20 Seal each well before clearing and grubbing the well site. Check the well from land surface to
21 the entire depth of the well before it is sealed to ensure freedom from obstructions that may
22 interfere with sealing operations. Before sealing, place chlorine in the well in sufficient
23 quantities to produce a chlorine residual of at least 100 milligrams per liter in the well.

24 All casing and screen materials may be salvaged except casing that is cemented in place. In
25 the case of gravel-packed wells in which the casing and screens have not been removed,
26 perforate the casing opposite the gravel pack at intervals not exceeding 10 feet.

27 Completely fill bored wells with cement grout or dry clay compacted in place. Completely
28 fill wells constructed in unconsolidated formations with cement grout by introducing it
29 through a pipe extending to the bottom and raising it as the well is filled. Fill wells
30 constructed in consolidated rock formations or that penetrate zones of consolidated rock to at
31 least 5 feet below the top of the consolidated rock with sand, gravel or grout opposite the
32 zones of consolidated rock. Fill the remainder of the well with cement grout.

33 Complete a certified well abandonment record (Form GW-30) and submit to the Engineer.

205-3 MEASUREMENT AND PAYMENT

35 *Sealing Abandoned Wells* will be measured and paid in units of each for the actual number of
36 wells acceptably sealed. Work includes, but is not limited to, chlorinating the well before
37 sealing; perforating the well casing; filling the well with cement grout, dry clay, sand or
38 gravel; and furnishing all necessary records.

39 Payment will be made under:

Pay Item	Pay Unit
Sealing Abandoned Wells	Each