

**Section 226**

1 No measurement will be made of any materials excavated outside of authorized excavation  
2 limits established by the Engineer or any materials excavated before slope stakes were set.

3 Article 104-5 will not apply for any underruns in the quantity of *Unclassified Excavation*  
4 resulting from the permitted use of such material as select granular material.

5 *Berm Ditch Construction* will be measured and paid in accordance with Article 240-4.

6 Materials excavated from stockpiles and used to construct earth shoulders will be paid as  
7 *Shoulder Borrow* in accordance with Article 560-4. No payment will be made for the  
8 removal and disposal of any surplus material remaining in the stockpile after the shoulders  
9 have been completed.

10 Payment for material that the Engineer directs to be removed beyond the limits of the original  
11 slope stakes will be made in accordance with Article 104-3.

12 If needed, investigative work within the top 12" of the subgrade to determine the necessity for  
13 rock undercut will be paid in accordance with Article 104-7.

14 Payment includes, but is not limited to, excavation, blasting, hauling anywhere along the  
15 project both within and across balance points shown in the plans, removal of undesirable  
16 material, removal of sidewalk, driveways, curb and gutter, endwalls, traffic islands and  
17 drainage structures, disposal of materials, formation and compaction of embankments,  
18 subgrades and shoulders, the cutting off, plugging and removal of private utility lines and  
19 underground tanks, any backfilling required, removing any existing shoulder drain or subdrain  
20 pipe and maintaining the work.

21 Payment for false sumps will be classified as *Unclassified Excavation, Borrow Excavation* or  
22 included in *Grading-Lump Sum*. Payment as *Unclassified Excavation* or *Borrow Excavation*  
23 will be at the contract unit price per cubic yard.

24 Excavation done in the shaping of old roadways in accordance with Section 808 is paid as  
25 *Unclassified Excavation*.

26 Where slides and overbreaks occur due to negligence or carelessness on the part of the  
27 Contractor, the removal and disposal of said slides and overbreaks will be incidental to the  
28 work of this section.

29 Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Unclassified Excavation	Cubic Yard
Undercut Excavation	Cubic Yard

30 **SECTION 226**  
31 **COMPREHENSIVE GRADING**

32 **226-1 DESCRIPTION**

33 The work covered by this section consists of all elements of work covered by Sections 200,  
34 225, 230, 235, 250, 500 and 560, except that the requirements of the above-referenced  
35 sections pertaining to measurement and payment will not apply unless specific reference is  
36 made to such.

37 **226-2 CONSTRUCTION METHODS**

38 Perform the work in accordance with Sections 200, 225, 230, 235, 250, 500 and 560.

39 **226-3 MEASUREMENT AND PAYMENT**

40 Seeding and mulching of all borrow sources will be measured and paid at the contract unit  
41 prices for such items established in the contract.

- 1 Payment for material that the Engineer directs the Contractor to obtain from borrow sources  
2 to backfill pipe culverts, box culverts, drainage structures or structure bents will be made in  
3 accordance with Article 104-7.
- 4 Payment for material that the Engineer directs to be removed beyond the limits of the original  
5 slope stakes will be made in accordance with Article 104-3.
- 6 *Grading* will be paid at the contract lump sum price. Partial payments will be equal to the  
7 percentage of such item that is complete as estimated by the Engineer. No separate payment  
8 will be made for clearing and grubbing, shoulder and fill slope material or draining borrow  
9 sources as such work will be incidental to the work covered by this section.
- 10 Clearing and grubbing work that is directed to be performed on areas outside the limits  
11 originally staked or beyond the limits of the right of way or easements shown on the original  
12 plans will be measured and paid at the contract unit price per acre for *Supplementary Clearing  
13 and Grubbing*. All measurements will be made horizontally. Where the contract does not  
14 include this item, a unit price per acre will be established by supplemental agreement.
- 15 *Undercut Excavation* will be measured and paid at the contract unit price per cubic yard. No  
16 separate payment will be made for materials used in backfilling the undercut areas, shoulders  
17 and slope areas as payment at the contract unit price per cubic yard for *Undercut Excavation*  
18 will be full compensation for furnishing such material. Where the contract does not include  
19 a pay item for *Undercut Excavation*, payment for such excavation will be made in accordance  
20 with Article 104-7.
- 21 Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Grading	Lump Sum
Supplementary Clearing and Grubbing	Acre
Undercut Excavation	Cubic Yard

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## SECTION 230 BORROW EXCAVATION

### 24 **230-1 DESCRIPTION**

- 25 Excavate approved material from borrow sources. Haul and use such material as required in  
26 the plans or as directed. Do not use borrow excavation until all available suitable unclassified  
27 excavation has been incorporated into the embankments, subgrades and shoulders except by  
28 execution of a supplemental agreement documenting the conditions prescribed below.
- 29 **(A)** All suitable unclassified excavation wasted as a result of the early use of borrow material  
30 will be deducted from the total volume of borrow excavation paid under the contract.
- 31 **(B)** Reimburse the Department for all additional costs, including additional engineering cost,  
32 associated with the wasting of suitable unclassified excavation.
- 33 **(C)** Any claim for contract time extensions related to the early use of borrow is waived  
34 should the Contractor use borrow material before all suitable unclassified excavation  
35 being incorporated into the project pursuant to a supplemental agreement.
- 36 **(D)** The Contractor specifically waives rights to request additional compensation with regard  
37 to the early use of borrow under the compensation requirements of Section 104 except  
38 when unclassified excavation is a major contract item, as defined in Section 101, and that  
39 unclassified excavation overruns by more than 25%.
- 40 Where the work required to complete the project is so phased by the plans to preclude using  
41 suitable unclassified excavation, the Contractor will be permitted to construct the required  
42 embankments, subgrades or shoulders so controlled by the phasing from approved borrow  
43 materials without having to execute the above required supplemental agreement.