

**Section 240**

1 **235-5 MEASUREMENT AND PAYMENT**

2 Payment will not be made for embankment construction. Payment at the contract unit prices  
3 for the various items covered by Sections 225, 226, 230 and 240 will be full compensation for  
4 all work covered by this section. Repairs to embankments caused by Contractor carelessness  
5 or negligence will be incidental to the work of Sections 225, 226, 230 and 240. Repairs to  
6 embankments as a result of natural causes will be at the contract unit price for the excavated  
7 material required to make the necessary repairs.

8 *Borrow Excavation* for surcharge material and additional material for maintaining  
9 embankment grade elevations will be measured and paid in accordance with Article 230-5.

10 *Unclassified Excavation* for surcharge material, additional material for maintaining  
11 embankment grade elevations and removing surcharges will be measured and paid in  
12 accordance with Article 225-7. When there is no pay item for *Borrow Excavation* or  
13 *Unclassified Excavation* in the contract, surcharge material and removing surcharges will be  
14 included in the lump sum payment for *Grading*. Additional material for maintaining  
15 embankment grade elevations will be paid as extra work in accordance with Article 104-7.

16 *Embankment Settlement Gauges* will be measured and paid in units of each. Settlement  
17 gauges will be measured as one per gauge location. The contract unit price for *Embankment*  
18 *Settlement Gauges* will be full compensation for fabricating and installing settlement gauges  
19 including placing and compacting fill material around gauges, adding pipes and couplers until  
20 embankment monitoring ends and any incidentals necessary to monitor settlement. No  
21 payment will be made for interfering with the Contractor’s operations due to embankment  
22 monitoring or damaged settlement gauges as determined by the Engineer.

23 Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Embankment Settlement Gauges	Each

24 **SECTION 240**  
25 **DITCH EXCAVATION**

26 **240-1 DESCRIPTION**

27 Excavate and satisfactorily dispose of all materials excavated in the construction of ditches  
28 except silt ditches.

29 **(A) Drainage Ditches**

30 Define “drainage ditches” as inlet and outlet ditches for pipe culverts and structures,  
31 changes in channels of streams, ditches draining borrow and material sources and parallel  
32 or lateral ditches when such ditches are separated from the roadway slope by an area of  
33 natural ground or berm.

34 Unless otherwise classified in the plans, parallel or lateral ditches constructed as  
35 an integral part of the graded roadbed, having a continuous slope from the outer limit of  
36 the shoulder to the bottom of the ditch, will be considered to be within the roadway  
37 grading limits and will be part of the work covered by Section 225.

38 **(B) Berm Ditches**

39 Define “berm ditches” as ditches constructed by either excavation or the construction of  
40 earth berms along the top of cut slopes. The location of berm ditches will be as shown in  
41 the plans or as directed.

42 **240-2 GENERAL**

43 Excavate to the lines, grades, typical sections and details shown in the plans or established.  
44 Coordinate all work covered by this section with the grading, construction of drainage

1 structures, excavation of borrow and material sources and other work along the project and  
 2 maintain in a satisfactory condition so that adequate drainage is provided at all times.  
 3 Maintain the ditches until the final acceptance of the project. Trim flush with the sides of the  
 4 ditch any roots that protrude into the ditch. Complete inlet and outlet ditches for pipelines  
 5 before the pipe is installed unless otherwise permitted.

### 6 **240-3 DISPOSAL OF MATERIALS**

7 Use all excavated materials in the construction of roadway embankments except where  
 8 otherwise directed. Deposit materials that are excess to the needs of the project alongside the  
 9 ditch and spread to form a low, flat, inconspicuous spoil bank of sufficient regular contour to  
 10 permit seeding and mowing, provided no drainage into the ditch is blocked.

### 11 **240-4 MEASUREMENT AND PAYMENT**

12 *Drainage Ditch Excavation* will be measured and paid in cubic yards, measured in the  
 13 original position by the average end area method of all materials excavated within the limits  
 14 established by the plans or directed. Work includes, but is not limited to, excavation, shaping  
 15 of the ditches, disposal of all materials, construction of earth berms and the maintenance of  
 16 the work in an acceptable condition until final acceptance.

17 No measurement and payment will be made where excavation has been performed beyond the  
 18 above limits; made solely for the convenience of the Contractor; for temporary drainage of the  
 19 project; or for any excavation to provide drainage of borrow or material sources furnished by  
 20 the Contractor.

21 Where the contract does not include a pay item for *Drainage Ditch Excavation*, all work of  
 22 drainage ditch excavation will be treated as *Unclassified Excavation* and will be paid in  
 23 accordance with Section 225.

24 *Berm Ditch Construction* will be measured and paid in linear feet, measured along the flow  
 25 line of the ditch within the pay limits shown in the plans, completed and accepted. Work  
 26 includes, but is not limited to, excavation, shaping of the ditches, disposal of all materials,  
 27 construction of earth berms and the maintenance of the work in an acceptable condition until  
 28 final acceptance.

29 Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Drainage Ditch Excavation	Cubic Yard
Berm Ditch Construction	Linear Foot

## 30 **SECTION 250**

### 31 **REMOVAL OF EXISTING PAVEMENT**

#### 32 **250-1 DESCRIPTION**

33 Break up, remove and satisfactorily dispose of the Portland cement concrete or asphalt  
 34 components of an existing roadway pavement structure, including paved shoulders, within the  
 35 limits shown in the plans or as directed. This work includes the removal of any temporary  
 36 roadway pavement structure placed during construction to serve as a detour.

#### 37 **250-2 PAVEMENT REMOVAL AND DISPOSAL**

38 Break up and remove the pavement for its entire depth. Where concrete or asphalt pavement  
 39 is to be removed, provide a neat edge along the pavement being retained by sawing the  
 40 pavement approximately 2 inches deep before breaking the adjacent pavement away.  
 41 Properly dispose of all materials resulting from the pavement removal as provided herein.

42 When existing pavement is located where embankment is to be constructed and the depth of  
 43 the embankment is greater than 1 foot exclusive of base and pavement, do not remove  
 44 existing pavement, but break up the existing pavement into pieces with the longest dimension