

profiles and plans may be made for each of the proposed drains or levees. Frequent bench marks shall be established along the line, on permanent objects, and their elevation and full description recorded in the field books and their location shown on the map. If it is deemed expedient by the engineer and viewers, other levels may be run to determine the fall from one part of the district to another. If no old water course, ditch or channel is being widened, deepened or straightened, it shall be accurately cross-sectioned, so as to compute the amount of cubic yards saved by the use of such old channel. A drainage map of the district shall then be completed, showing the location of the ditch or ditches and other improvements, and the boundary, as closely as may be determined by the records, of the lands owned by such individual landowner within the district. The location of any railroads or public highways and the boundary of any incorporated towns or villages within the district shall be shown on the map. There shall also be prepared to accompany this map a profile of each levee, drain or water course, showing the surface of the ground, the bottom or grade of the proposed improvement and the number of cubic yards of excavation or fill in each mile or fraction thereof, and the total yards in the proposed improvement and the estimated cost thereof, and plans and specifications and the cost of any other work required to be done.

SEC. 6. *Be it enacted*, That it shall be the further duty of the engineer and viewers to assess the damages claimed by any one that is justly right and due to them for land taken or for inconvenience imposed because of the construction of the improvement and the establishment of the drainage district, or for any other legal damages sustained. Such damage shall be considered separate and apart from any benefit the land would receive because of the proposed work, and shall be paid by the Board of Drainage Commissioners when funds shall come into their hands, as hereinafter set forth.

SEC. 7. *Be it enacted*, That it shall be the further duty of the engineer and viewers to personally examine the land in the district and classify it with reference to the benefit it will receive from the construction of the levee, ditch, drain or water course or other improvement. In the case of drainage, the degree of wetness of the land, its proximity to the ditch or a natural outlet and the fertility of the soil shall be considered in determining the amount of benefit it will receive by the construction of the ditch. The land benefited shall be separated into five classes: The land receiving the highest benefit shall be marked "Class A," that receiving the next highest benefit