

TIPPECANOE COUNTY SURVEYOR
TIPPECANOE COUNTY OFFICE BUILDING
20 NORTH 3RD STREET
LAFAYETTE, INDIANA 47901
Tel. (765) 423-9228 Fax (765) 423-9241
surveyor@tippecanoe.in.gov
WAPLES MCDILL REGULATED DRAIN #85
RECONSTRUCTION REPORT
FEBRUARY 16, 2016

A Petition to Reconstruct the Waples McDill Regulated Drain #85 was accepted by the Tippecanoe County Drainage Board and referred to the County Surveyor for a Reconstruction Report on August 1, 2012.

The Waples McDill Regulated Drain #85 and its watershed are located in Sections 10,11,14,15 and 22 of Township 21 North Range 4 West in the political township of Lauramie and section 16 of Township 21 North Range 4 West in the political township of Randolph all being within Tippecanoe County, Indiana.

The Waples McDill Regulated Drain #85 prior to 1936 was known as the Meigs Ditch. Per Tippecanoe County Superior Court Case No. 9632 File Box 451, a petition was filed by the landowners to repair and reconstruct the Meigs ditch. During this hearing in 1936 the name was also changed to Waples McDill Ditch. The watershed area is 1438.18 acres.

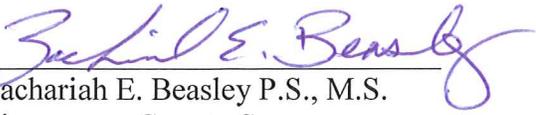
A maintenance fund of \$1.00 per acre was established by the Tippecanoe County Drainage Board on the 9th day of September 1971. However, in 2012 the maintenance rate was increased 25% to \$1.25 per acre in accordance to I.C. 36-9-27-42.

I have personally walked, drove, talked and met with landowners, and inspected the Waples McDill drainage system per the request of the landowners who signed the petition. Based on the wishes and needs of the petitioners in this watershed it is my professional judgement that the existing clay and concrete main tile be removed and replaced with a larger capacity new tile. To reach this goal 2900 lineal feet of 42" diameter tile, 1800 lineal feet of 36" diameter tile, 1400 lineal feet of 30" diameter tile, 2400 lineal feet of 24" diameter tile, 5090 lineal feet of 18" diameter tile, and 4590 lineal feet of 15" and 12" diameter tile will be installed combined with other miscellaneous items.

It is the judgement of the Tippecanoe County Surveyor that a sum of approximately \$670,411.48 is needed to reconstruct and improve the Waples McDill regulated drainage system. After completion of the project there will be 700 lineal feet of open ditch, 10,480 lineal feet of main tile and 17,300 lineal feet of branch tile under maintenance.

An assessment of \$94.00 per acre and a \$50.00 minimum over a five (5) year period is recommended. This will generate \$676,092.87 over a five (5) year period. Assuming the reconstruction and improvements are completed and the general drain fund has been repaid after the five (5) year period, the Tippecanoe County Surveyor recommends the per acre assessment be lowered to a maintenance rate of \$6.00 per acre and a \$30.00 minimum with an eight (8) year collection total.

Respectfully submitted by:


Zachariah E. Beasley P.S., M.S.
Tippecanoe County Surveyor

CC: file