

ANSON DELPHINE RECONSTRUCTION REPORT  
DRAIN #04

Referred to the Tippecanoe County Surveyor by the Tippecanoe County  
Drainage Board for a Reconstruction Report on April 11, 2005  
July 25, 2005

The Delphine Anson Regulated Drain, originally known as the Mary A. Fouts Ditch, is located in Tippecanoe Township in Sections 7,8,17 and 18 in Township 24 North, Range 4 West and Sections 1,12 and 13 in Township 24 North and Range 5 West. The Anson was organized in 1903 in Tippecanoe Superior Court, Case Number 7834, File Box 343, Order Book Number 37, and Page 247.

The watershed area currently contains 1433.2959 acres.

A Petition for New Drainage, Oliver Henderson, etal was filed in Superior Court, Cause No. 1928, on September 1949. Although the case was dismissed in June 1951, the report of the survey and viewers and the construction plans prepared, contain detailed information regarding the condition and location of the Anson Drain.

A maintenance fund of \$1.00 per acre was established on July 7, 1971 by the Tippecanoe County Drainage Board. The rate was increased twenty-five percent (25%) by the Tippecanoe County Drainage Board on January 8<sup>th</sup>, 2003 as allowed by I.C. 36-9-27-42.

I have personally walked, drove, talked with various landowners, and inspected the Anson Drain and observed the majority of the breakdowns, blowouts, erosion and spot excavations to examine the existing conditions. Based on my investigation, surveys and plan preparation it is my opinion that the best and cheapest method of reconstructing the ~~Drain~~ <sup>ANSON</sup> is as follows:

1. The main from the Station 72+50 to Station 59+50 at C.R. 100W is completely plugged with tree roots and silt. This portion of the main needs to be replaced and the right of way needs to be cleared of trees.
2. Branch No. 10, which ties into the main at approximately Station 110+20, and Branches 12, 13, 14, 15, 16 and 35 are not currently functioning and the condition is poor. It has been assumed for cost

estimation purposes that 900 foot portion Branch No. 10 will be replaced, but not the Branches of Branch No. 10 at this time.

3. Branch No. 3 appears to be in fair condition except for the portion North of C.R. 800 North. This portion is functioning but residential development in the area has overloaded the tile and homeowners in the area are reporting drainage problems. Surface work South and North of CR. 800N should help this problem by reducing the load on the tile.
4. The County Surveyor also recommends adding the open ditch from the outfall of the existing Anson tile to the existing culvert at CR 725N. This ditch section is in fair shape and needs spot cleaning and clearing. This will add approximately 2000 feet of open ditch channel to the Anson Regulated Drain. The Surveyor also recommends that the Regulated Drain right-of-way for this portion of the Anson be 30 feet from the top of each bank. Open Ditch total tile outfall to CR 725N culvert 2000 feet.
5. The main from the existing outfall approximately 2000 feet from C.R. 725N to Station 72+50 near the East line of the Northwest quarter of the Northwest quarter of Section 7 is in fair condition.
6. The main from Station 59+50 at C.R. 100 West to the upper end of the main at Station 0+00 is in poor condition with some breakdowns. The tile appears to be partially clear, but due to the lack of flow East of C. R. 100 West it is not possible to determine how much of the existing tile will need to be replaced. It has been assumed for cost estimation purposes that this stretch of the main will need to be replaced. (See estimate)

Based upon the records of the Tippecanoe County Surveyor, the Anson contains the following lengths of tile and open ditch. It should be noted that these lengths are based upon the County Surveyor's report by A.D. Ruth dated July 6<sup>th</sup>, 1971 and as shown on the maps for each Section contained in said report.

Main: 10-inch, 500 feet; 12-inch, 3800 feet; 14-inch, 600 feet; 16-inch, 2130 feet; 18-inch, 3980 feet; 22-inch, 5065 feet. Total 16,075 feet.

MAIN TILE TOTAL 16,075 feet

Branch 1: Unknown tile size, 1300 feet. Total 1300 feet.  
Branch 2: Unknown tile size, 418 feet. Total 418 feet.  
Branch 3: Unknown tile size, 4300 feet; 8-inch, 252 feet. Total 4552 feet.  
Branch 4: Unknown tile size, 417 feet. Total 417 feet.  
Branch 10: 7-inch, 1000 feet; 8-inch, 200 feet; 12-inch, 1280 feet; 14-inch, 1532 feet. Total 4012 feet.  
Branch 12: 6-inch, 400 feet. Total 400 feet.  
Branch 13: 6-inch, 216 feet. Total 216 feet.  
Branch 14: 6-inch, 196 feet. Total 196 feet.  
Branch 15: 6-inch, 227 feet. Total 227 feet.  
Branch 16: Unknown tile size, 364 feet. Total 364 feet.  
Branch 18: Unknown tile size, 172 feet. Total 172 feet.  
Branch 19: Unknown tile size, 1100 feet. Total 1100 feet.  
Branch 21: 6-inch, 700 feet; 8-inch, 960 feet. Total 1660 feet.  
Branch 25: 6-inch, 845 feet. Total 845 feet.  
Branch 29: 6-inch, 146 feet. Total 146 feet.  
Branch 31: 6-inch, 155 feet. Total 155 feet.  
Branch 32: 8-inch, 700 feet; 10-inch, 1088 feet. Total 1788 feet.  
Branch 33: 7-inch, 1076 feet. Total 1076 feet.  
Branch 35: Unknown tile size, 1177 feet. Total 1177 feet.

BRANCH TILE TOTAL 20,421 feet

The original court records indicate 16,425 feet of main and 27,813 feet of branches. It is therefore assumed that when the maintenance fund was established in 1971, that Branches 5,6,7,8,11,17,20,22,23,24,26,27,28,30, 36 and 37 were not to be maintained.

It is my opinion that there are not any damages sustained by any owner as a result of this reconstruction. I have considered all benefits accruing to each parcel of land and it is my opinion that the expenses of the proposed reconstruction will be less than the benefits accruing to the owners of the land benefited by the construction and the benefits are not excessive. It is my opinion each acre of land is benefited by the recommended rates per acre and that all tracts or lots are benefited by the per lot rates as recommended and that all tracts or lots are benefited by the minimum rates as recommended.

The recommended rates are as follows:

Reconstruction; \$10.00 minimum charge, \$30.00 per lot (a lot is 4.99 acres or less) and \$6.00 per acre.

Maintenance During Reconstruction: \$5.00 minimum, \$10.00 per lot and \$2.00 per acre.

This will result in an assessment total of \$15.00 minimum charge, \$40.00 per lot and \$8.00 per acre for a five-year period.

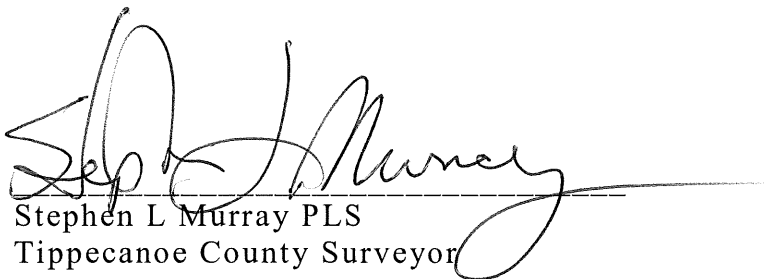
After the end of the five-year period, the rate will drop to a \$5.00 minimum charge, \$20.00 per lot and \$4.00 per acre for periodic maintenance. The fund should be allowed to build to a total of eight times the annual assessment.

The Tippecanoe County Surveyor estimates that a sum of approximately \$49,000.00 is needed to complete the Reconstruction of the Anson Regulated Drain. The Tippecanoe County Surveyor estimates that a sum of approximately \$3300.00 is needed annually for periodic maintenance during the reconstruction period.

After the five-year reconstruction period the County Surveyor estimates that a sum of approximately \$6500.00 is needed annually for periodic maintenance and that fund should be allowed to build to an eight year total.

I have included and attached hereto a list of all lands that I feel are benefited by the Anson Drain along with all information as required by I.C. 36-9-27-50 AND I.C. 36-9-27-52.

Respectfully Submitted by



Stephen L Murray PLS  
Tippecanoe County Surveyor

SLM/bjg