

DURST DITCH, PROJECT NO. 983  
Sandusky County

PRELIMINARY REPORT

The proposed project begins at the inlet of the Jackson Township Structure No. JA 80-1.14 in Section 28 of Jackson Township; thence follows the existing open ditch downstream in a northeasterly direction to the junction with the Muskellunge Creek and there terminates.

The ditch is approximately 6,000 feet long and drains approximately 350 acres of farm ground and residential lots. Brush is extremely heavy along the entire length of the ditch and the channel is silted in to the point that the free flow of water is being inhibited. The Sandusky County Engineer has no records of the ditch ever being cleaned thru the petition ditch process.

The scope of work to be performed on the Durst Ditch, if the project should go to completion, will consist of open channel excavation, spoil leveling, removal and disposal of existing brush in the channel and on the berms, installation of rock channel protection where needed, installation of new outlet pipes where needed, and the seeding and fertilizing of the excavated areas. The removal of bedrock is not anticipated as the design of the project will attempt to re-establish the original grade line of the ditch.

The estimated construction cost for the project is \$52,000.00 and the estimated incidental cost is \$8,000.00 for a grand total of \$60,000.00. Brush removal, excavation, spoil leveling, riprap placement, tile extensions, and seeding of the banks are included in the construction costs. Incidental costs include items such as surveying/engineering/drainage area determination (\$1,400.00), commissioner's expenses (\$1,000.00), first year's maintenance (\$1,700.00), a contingency fund (\$2,100.00), and a capital interest amount (\$1,800.00).

It should be pointed out that all costs are only an estimate. Final assessments would be based on actual costs. It should also be pointed out at this time that all structures on the project will have to be checked for size, proper grade, and condition. Structures that need to be replaced, adjusted, or cleaned will be the responsibility and cost of the individual property owner.

It is the opinion of the Engineer that the project is needed, that it is conducive to public welfare, that there is a good and sufficient outlet, but that the costs will exceed the benefits.

Respectfully Submitted,

James R. Moyer Date 6-29-98  
James R. Moyer  
Sandusky County Engineer

PAUL H. FISER Date 6-29-98  
Paul H. Fiser  
Drainage Engineer  
Sandusky County

DURST DITCH, PROJECT NO. 983

TOTAL ESTIMATED COSTS

CONSTRUCTION:

BRUSH REMOVAL & DISPOSAL	\$32,950.00
EXCAVATION ( 6,000' @ \$1.20/FT)	7,200.00
LEVEL SPOILS (6,000YDS @ \$1.00/YD)	6,000.00
FERT. & SEED (5AC @ \$400.00/AC)	2,000.00
ROCK EXCAVATION (00YDS @ \$100.00/YD)	0,000.00
RIP RAP (40TON @ \$25.00/TON)	1,000.00
4" CONDUIT (50' @ \$7.00/FT)	350.00
6" CONDUIT (50' @ \$9.00/FT)	450.00
8" CONDUIT (50' @ \$10.00/FT)	500.00
10" CONDUIT (50' @ \$15.00/FT)	750.00
12" CONDUIT (50' @ \$16.00/FT)	800.00
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	\$52,000.00

INCIDENTALS:

ENGINEERING	\$ 1,400.00
COMMISSIONERS' EXPENSE	1,000.00
1ST YEAR'S MAINTENANCE	1,700.00
CONTINGENCY	2,100.00
CAPITAL INTEREST	1,800.00
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	\$ 8,000.00

TOTAL ESTIMATED COST \$60,000.00