

## **F. HOEFLICH DITCH #142**

Sandusky County

### **PRELIMINARY REPORT**

The proposed F. Hoeflich Ditch project begins at/near the SE corner of Parcel No. 32-60-00-0097-00 (aka O.L. 97) in the City of Clyde (OH), approximately 1,075 feet west of the SE corner of Green Creek Township Section 11 on the existing enclosed ditch; thence continues in a Northerly direction for approximately 700 feet; thence turns and continues in a Westerly direction for approximately 180 feet; thence turns and continues in a Northerly direction for approximately 480 feet; thence turns and continues in a Westerly direction for approximately 150 feet; thence turns and continues in a Northerly direction for approximately 2,290 feet; thence turns in a general Northeasterly direction and continues for approximately 320 feet; thence turns in a general Northwesterly direction and continues for approximately 1,900 feet; thence turns and continues in a Westerly direction and runs approximately 530 feet before crossing under Bookmeyer Road (aka TR 223); thence continues to the Northwest for approximately another 1,100 feet and terminates at the junction with Raccoon Creek.

The portion petitioned is approximately 7,650' feet long and drains approximately 355 acres of farm ground and residential lots. The petition filed requests an improvement for the disposal or removal of surplus water utilizing any, all, or a combination of the methods provided in the Ohio Revised Code Section 6131.01 ( C ) (1)(2)(3) and (4) that is deemed most conducive to public welfare.

It is the opinion of the engineer that there is an issue of excess water that does not have a sufficient water course to accomplish the prayer of the petition. With the completion of the project, benefits will include an improved channel for farmable ground and relief of standing water in residential lots, as well as providing an improved outlet for the entire watershed.

The first approximately 4,150 feet of the project, to be known as the Hoeflich Ditch, will consist of removing the existing broken down, nonfunctioning clay tile that is approximately 1200 feet long. This stretch of removed tile will be converted into an open ditch with a 3-4 foot bottom width and 2:1 side slopes. The approximate remaining 2,950 feet of Hoeflich Ditch,

which is an existing open ditch, will have excess silt and brush removed to produce a more efficient channel with a 3-4 foot bottom and 2:1 side slopes.

At this point, the Hoeflich Ditch ends and empties into Buck Creek for the remainder of the project. The bottom of Buck Creek will be cleaned of excess silt and will have a varying width of no less than 8 feet. The banks of the creek will be removed of brush and given a 1 1/2 :1 side slope.

The estimated construction cost for the project is \$112,305.00 and the estimated incidental cost is \$12,695.00 for a grand total of \$125,000.00. Brush removal and disposal, excavation, spoil leveling, new pipe, seeding and fertilizer, and rock channel protection are included in the construction costs. Incidental costs include items such as first year's maintenance, capital interest fund, construction layout stakes and surveying, commissioner's expenses, and a contingency fund.

It should be pointed out that all costs are only an estimate. Final assessments would be based on actual costs.

It is the opinion of the Engineer that the proposed project is feasible, that it is conducive to the public, that there is a sufficient outlet, and that the benefits will exceed the cost.

Respectfully submitted

Date: 7-1-2014



James R. Moyer

Sandusky County Engineer

Date: 7-1-2014

A handwritten signature in black ink, appearing to read 'MSR', with a long horizontal stroke extending to the right.

Matthew S. Reinhart

Drainage Engineer