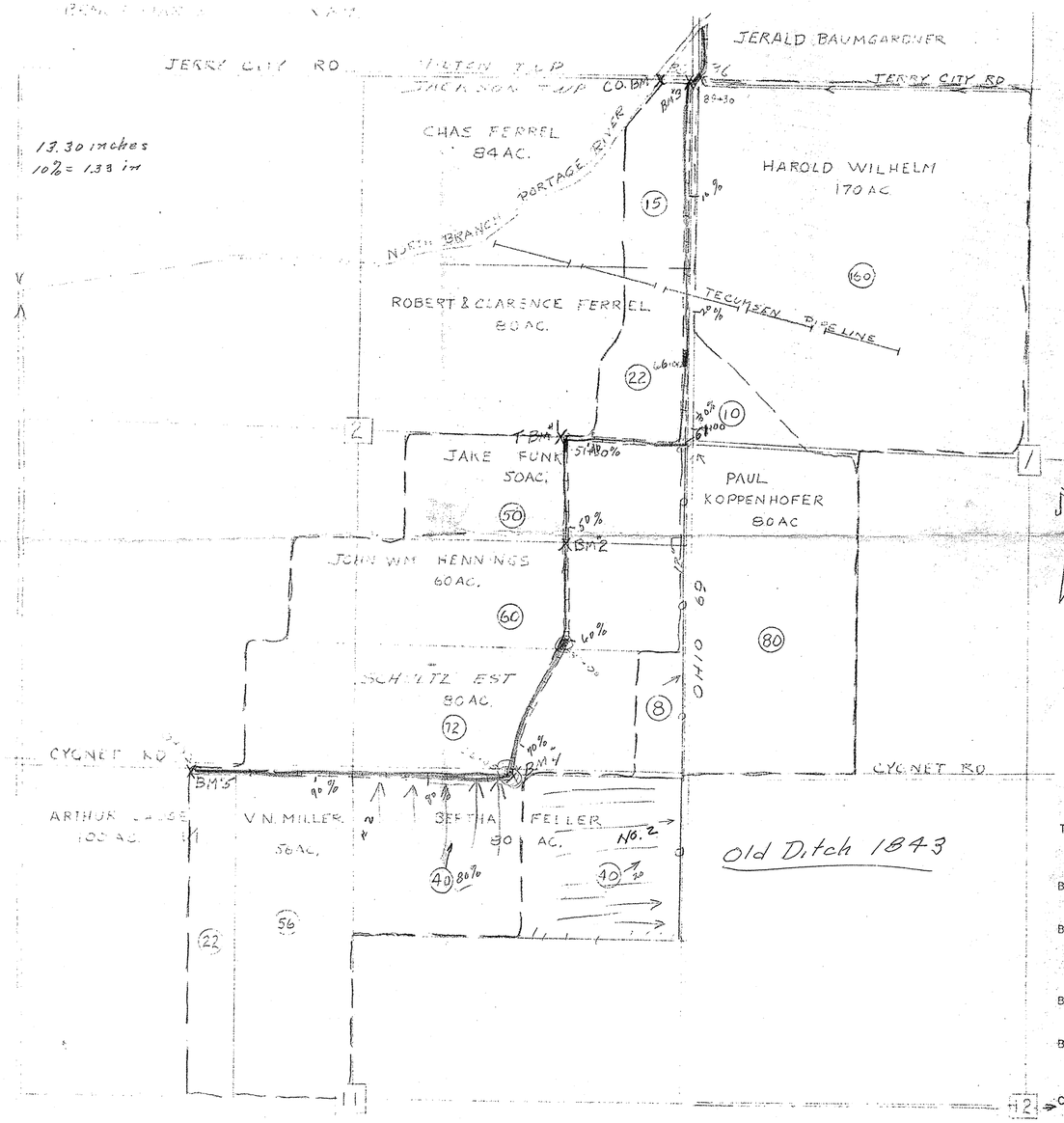
LEGEND

ROADS
WATERSHED BOUNDARY
EXISTING DITCH
OPEN DITCH TO BE CLEANED
SECTION LINES
TOWNSHIP LINES
TILE LINES
BENCH MARKS
WOODS
BUILDINGS



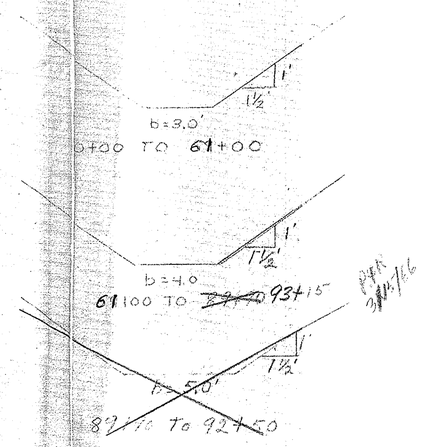
OWNERSHIP & WATERSHED MAP

660 330 0 660 1320 1960

SCALE IN FEET

W½ SEC. 1; SEC. 2; N½ SEC. 11 NW¼ SEC. 12.
T-3-N R-9-E JACKSON TOWNSHIP
STATE OF OHIO

TYPICAL CROSS SECTIONS



BENCH MARK DESCRIPTIONS

TBM#1. X on top of the S.W. corner of a flat rock just west of 36" cmp culvert of J. Funks. Elevation 692.52

BM #2. Spike 1 ft. above ground on west side of property line post of Funks & Hennings. Elevation 697.45

BM #3 Chiseled X on top of the west end of the west wingwall of concrete and stone masonry headwall on the S.W. corner of Jerry City Road and State Hwy. 69. Elevation 695.31.

BM #4. X on top of east end of the south headwall of Cygnet Road culvert. Elevation 697.32

BM #5. Top of the tongue at the east end of a 14" dia. concrete pipe culvert at A. Lause farm. Elevation 692.91.

Co BM X on S.E. wingwall, 1.0 foot south of the east bridge abutment over N. Branch of Portage River at Cygnet Road. Elevation 695.33.

SURVEY NOTES FILED IN WOOD CO SOIL & WATER CONSERVATION DISTRICT OFFICE.

SPECIFICATIONS

I. EXCAVATION

A. Bottom Width: The bottom width shall be five (4) feet between sta. 92+50 and sta. 89+90. Four (4) feet between sta. 89+30 and 61+00. Three (3) feet between sta. 61+00 and 0+00.

B. Bank Slopes: The ditch banks are to be constructed to at least 1½ foot horizontal to 1 foot vertical. Between 92+50 and 61+00. 1½ foot horizontal to 1 foot vertical Between 61+00 and 0+00.

C. Alignment: The centerline of the improvement shall be approximately the centerline of the existing ditch unless otherwise indicated on the plan.

D. Total Excavation: The total excavation consists of ~~8085~~ 7820 cubic yards of earth over 9250 lineal feet of ditch. ~~3650 cu. yds. from sta. 61+00 to 0+00.~~ 5300 cu. yds. from 76+50 to 0+00,

E. Excess Yardage: No extra compensation will be paid for such excavation in excess of yardage herein estimated. This estimate was made from cross-sections of the proposed ditch. The contractor should view the proposed work to his own satisfaction.

II. CLEARING

All trees and/or brush which would interfere with the excavation operation must be cleared from the ditch right-of-way ahead of the dragline operations. Stumps on the berm should be removed or cut as low as cutting tools permit. Cleared debris should be disposed of by furning or removed from the right-of-way. All stumps on ditch banks shall be sprayed.

III. BERM WIDTHS

Unless otherwise noted the berms will have the following minimum widths: ten (10) foot depth for ditches over six feet in depth.

IV. SPOIL BANKS

Excavated material should be deposited and spread along one or both sides of the ditch, as determined, except where used for levees, and in overflow areas with timber or brush cover. Slope of the spoil after spreading should be at least 3:1 on the channel side and at least 4:1 on the field side. The height of the spoil should not exceed one foot above average ground level. Openings shall be provided for surface water to enter the ditch.

V. TILE OUTLETS

Landowners shall protect their tile outlets with a section of continuous rigid pipe and flap-gates or grid to exclude rodents. For details of construction see your Soil Conservation Technician.

VI. SURFACE WATER OUTLETS

Wherever a lateral or a surface ditch enters the main ditch at a higher elevation, protection from erosion should be provided by: drop structures, pipe drops, other suitable structure or grassed waterway. For assistance on outlets see your Soil Conservation Technician.

VIII. DITCH BANK SEEDING

The ditch banks will be seeded, immediately after each day's work, to tall fescue (Kentucky 31 or Alta) at the rate of 25 lbs. per acre. A minimum of 500 lbs. of 10-10-10 fertilizer or equivalent will be applied. ~~5.5~~ 4.3 acres of ditch bank seeding will be required.

IX. CULVERTS AND BRIDGES

Existing culverts and bridges will be cleaned and the inverts (flow line) lowered to correspond to the proposed ditch grade as indicated on the plan.

Station 26+05 bridge
Station 89+30 bridge
Station 51+30
Station 37+00 Remove 30" cmp and replace with 36" reinforced concrete pipe 20 ft. long. If the state highway department moves Ferrel's farm bridge, replace with 48" dia. 20 feet long of reinforced concrete pipe.

This plan has been reviewed by and meets the approval of the Wood County Engineer.

1-A

CLASS III JOB

HENNINGS GROUP DITCH, 65 POOLING MK #9
SEC. 1, 2 & 11 JACKSON TWP
WOOD COUNTY, STATE OF OHIO

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed	Date	Approved by Richard P. Nagel
Drawn	2-66	Title Civil Engineer
Traced		Title
Checked	2-66	Sheet / Drawing No.