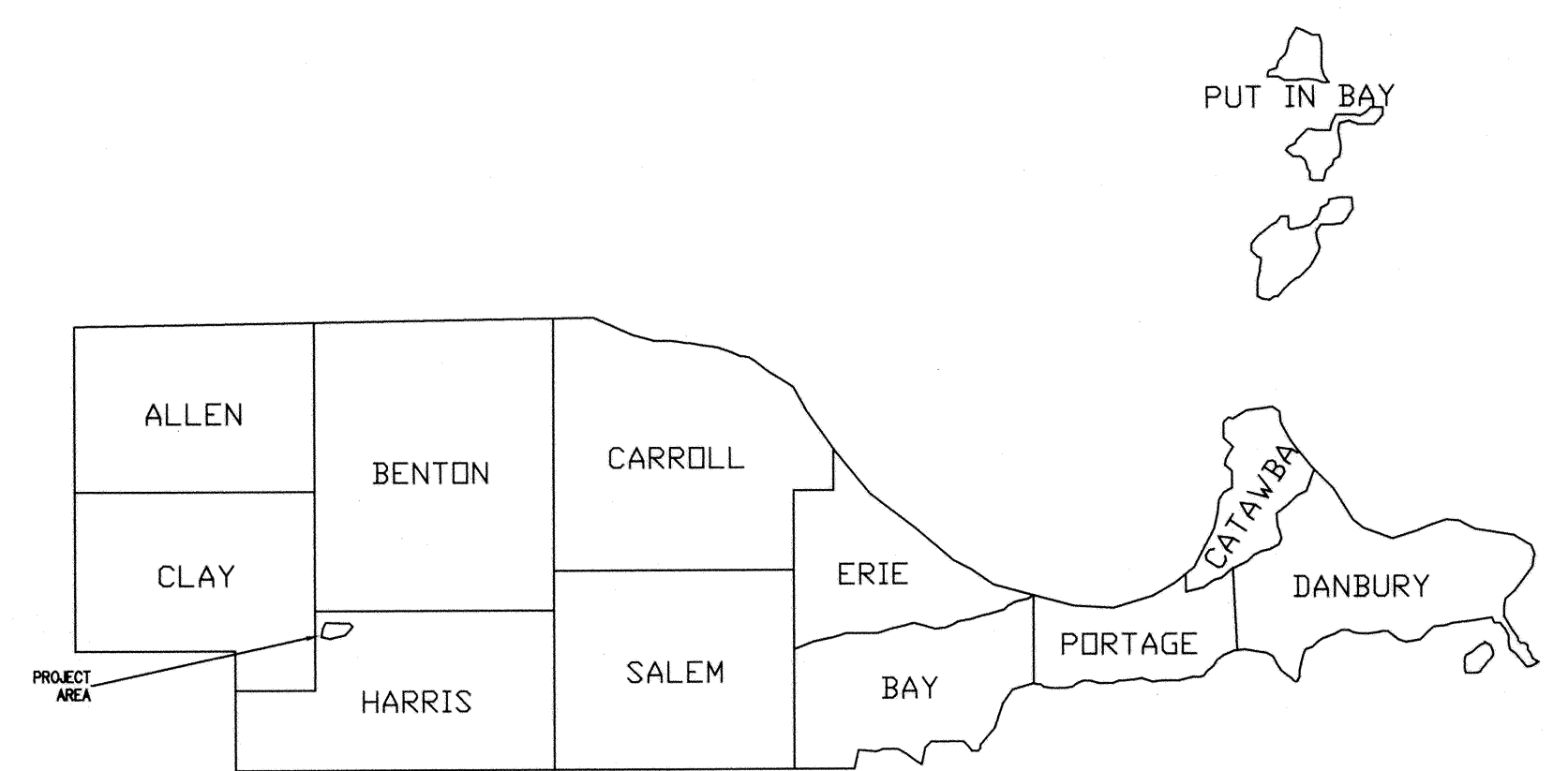
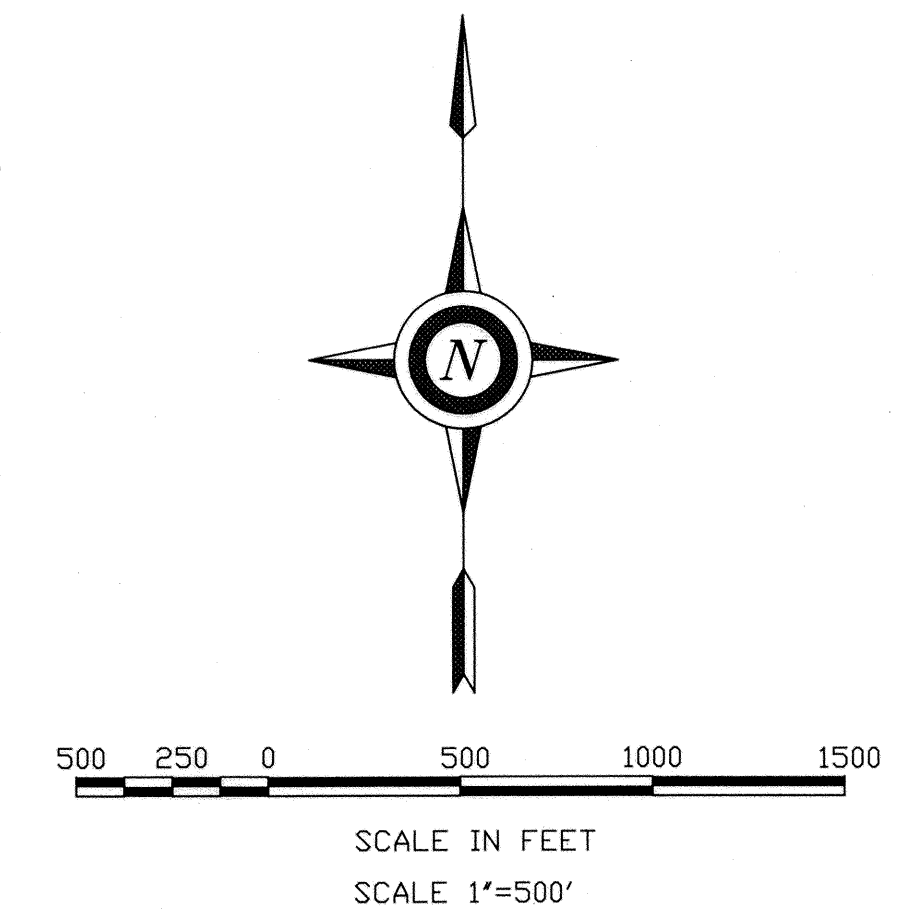
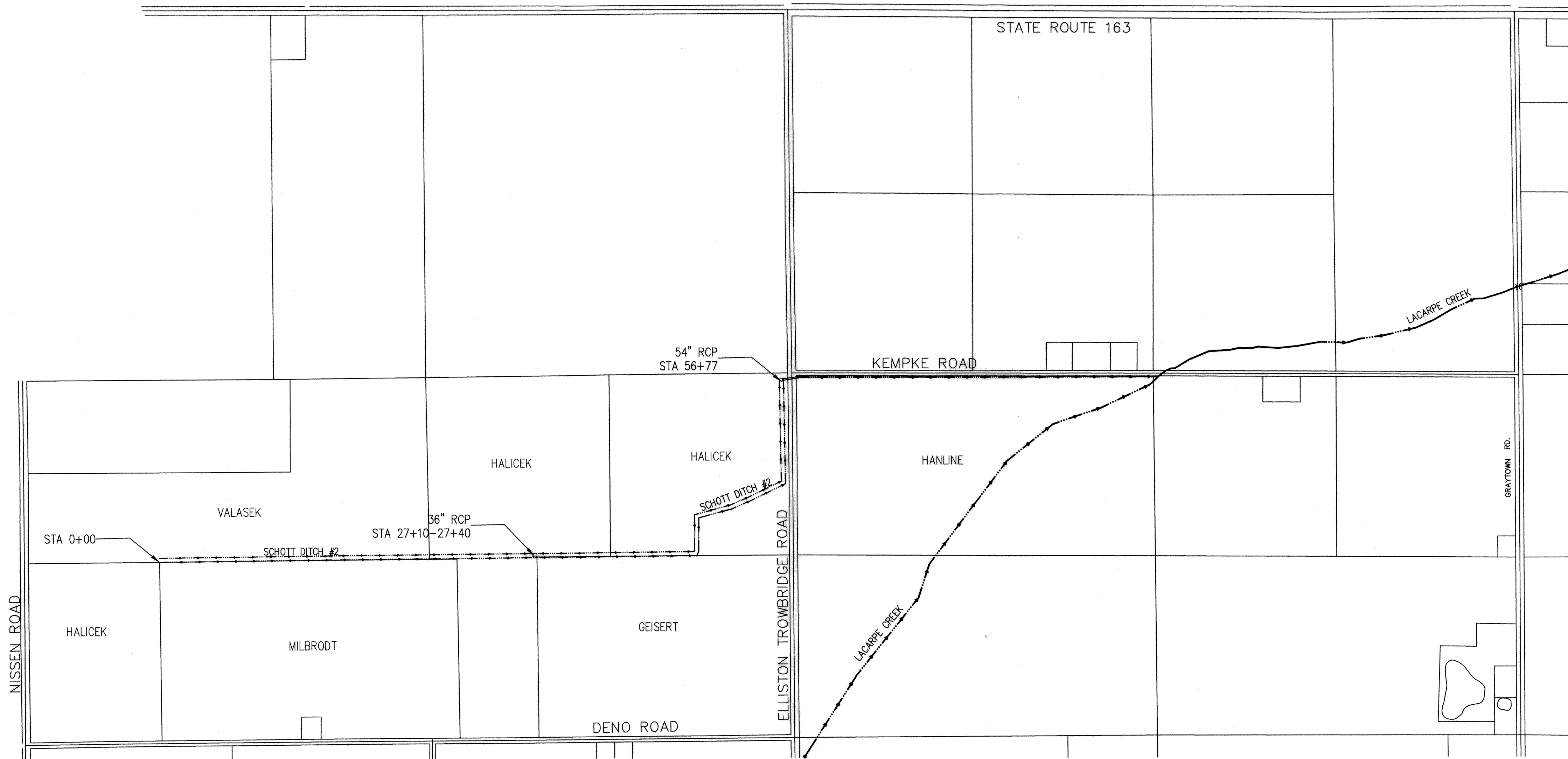


# SCHOTT DITCH #2

## MAINTENANCE PROJECT 2014

### SECTION 6 HARRIS TWP



**NOTE TO EXCAVATOR**

Excavator must notify all utilities at least 48 hours and not more than 10 days prior to the planned commencement of excavation.

1. OUPS member utilities will be contacted by calling oups (1-800-362-2764 or 811)
2. Each Limited Basis Participant and the Ohio Oil and Gas Producers Underground Protection Service (1-800-925-0988) will be contacted by the excavator using the telephone number provided.

2 WORKING DAYS - 2 CALLS  
**BEFORE YOU DIG**

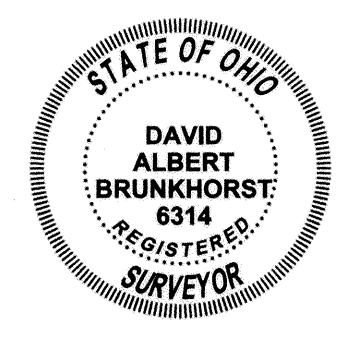
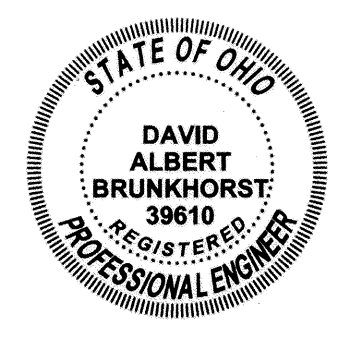
CALL TOLL FREE 800-362-2764 or 811  
OHIO UTILITIES PROTECTION SERVICE

CALL TOLL FREE 800-925-0988  
Ohio Oil and Gas Producers Underground Protection Service (OUPPS)

I HEREBY APPROVE THESE PLANS.

*David A. Brunkhorst*  
DAVID A. BRUNKHORST, P.E., R.S.  
OTTAWA COUNTY ENGINEER

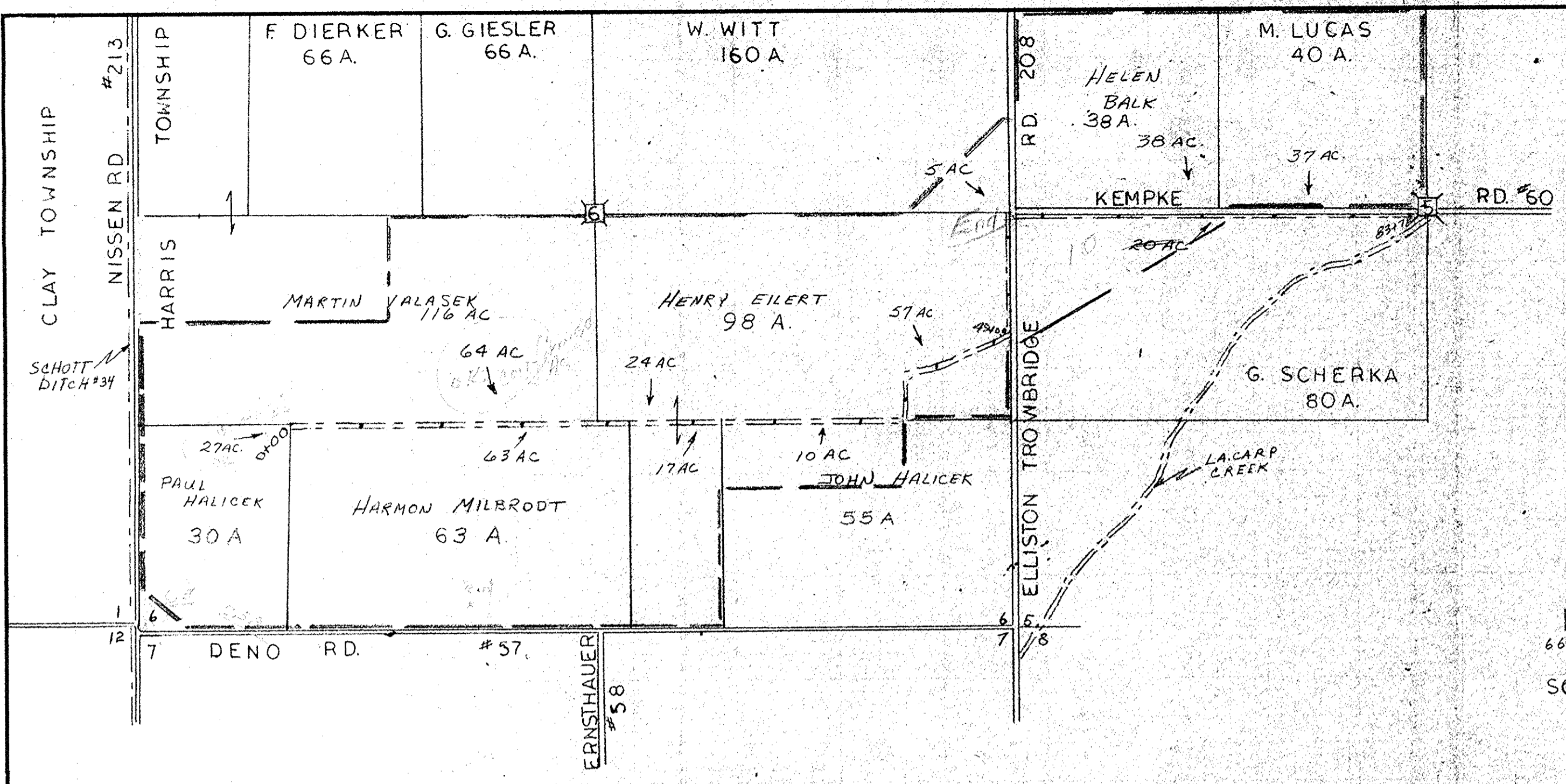
12/22/14  
DATE

<p style="font-size: 2em; margin: 0;"><b>SCHOTT DITCH #2</b></p> <p style="margin: 0;">MAINTENANCE PROJECT</p> <p style="margin: 0;">OTTAWA SOIL &amp; WATER CONSERVATION DISTRICT</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">DATE</td> <td style="width: 50%; text-align: center;">DATE</td> </tr> <tr> <td style="text-align: center;">Approved</td> <td style="text-align: center;">Approved</td> </tr> <tr> <td style="text-align: center;">Title</td> <td style="text-align: center;">Title</td> </tr> <tr> <td style="text-align: center;">Construction Approved</td> <td style="text-align: center;">Construction Approved</td> </tr> <tr> <td style="text-align: center;">Title</td> <td style="text-align: center;">Title</td> </tr> </table>	DATE	DATE	Approved	Approved	Title	Title	Construction Approved	Construction Approved	Title	Title
DATE	DATE										
Approved	Approved										
Title	Title										
Construction Approved	Construction Approved										
Title	Title										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">DATE</td> <td style="width: 50%; text-align: center;">DATE</td> </tr> <tr> <td style="text-align: center;">Designed JASON LAUBACHER</td> <td style="text-align: center;">10/20/14</td> </tr> <tr> <td style="text-align: center;">Drawn JASON LAUBACHER</td> <td style="text-align: center;">10/20/14</td> </tr> <tr> <td style="text-align: center;">Redlined</td> <td style="text-align: center;">MICHAEL GARGAC</td> </tr> <tr> <td style="text-align: center;">Checked</td> <td style="text-align: center;">10/20/14</td> </tr> </table>		DATE	DATE	Designed JASON LAUBACHER	10/20/14	Drawn JASON LAUBACHER	10/20/14	Redlined	MICHAEL GARGAC	Checked	10/20/14
DATE	DATE										
Designed JASON LAUBACHER	10/20/14										
Drawn JASON LAUBACHER	10/20/14										
Redlined	MICHAEL GARGAC										
Checked	10/20/14										
<p>CAD FILE I.D.</p> <p>DRAWING NUMBER</p> <p>Sheet <u>1</u> of <u>2</u></p>											

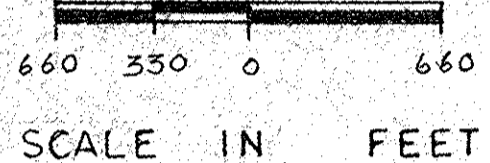
#30 (formerly #11)  
Harris - Sec 5-6  
1976

Schott Ditch #2  
BENCH MARK DESCRIPTIONS



Approval for Maintenance  
8/9/76

- BM#1: SPIKE IN NORTHEAST TAP ROOT OF 18" DBH BURR OAK AT STA. 0+00 MSL. 609.89
- BM#2: SPIKE IN NORTH SIDE OF 24" DBH OAK TREE IN TAP ROOT. STA. 23+00 MSL. 609.01
- BM#3: SPIKE IN WEST SIDE OF POWER POLE 30 FT. SOUTH OF STA. 49+00 MSL. 607.63
- BM#4: TOP OF R.R. SPIKE IN WEST SIDE OF POWER POLE ALONG ROAD MSL. 609.97 STA. 51+00
- BM#5: X-ON SOUTH SIDE OF EAST HEADWALL ALONG ELLISTON ROAD ADJACENT TO KEMPKE ROAD MSL. 608.20 STR. 57+27



SUPPORTING DATA

DRAINAGE AREA	362
DESIGN COEFFICIENT	9c
LAND USE	GENERAL & CASH CROPS
SOIL TYPES	HOYTVILLE, TOLEDO RIMER
LAND SLOPE	0-2%
TYPE DRAINAGE	SURFACE & TILE

LEGEND

PROPOSED IMPROVEMENT	=====
HIGHWAYS	=====
PROPERTY LINE	-----
SECTION CENTER	□
WATERSHED	-----
ACRES OWNED	00 ACRE
ACRES BENEFITED	00
RAIL ROAD	-----

LOCATION & OWNERSHIP MAP  
SPECIFICATIONS

- I. EXCAVATION:
  - A. Bottom Width: The bottom width shall be THREE (3) feet between sta. 0+00 and sta. 83+78.
  - B. Bank Slopes: The ditch bank slopes are to be constructed to at least 2 foot horizontal to 1 foot vertical.
  - 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 16,040 cubic yards of earth over 83178 lineal feet of ditch from sta. 0+00 to sta. 83+78.
  - 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.
  - F. The contractor shall be given a right-of-way on each side of the ditch 50 feet from the bank of the ditch at all points.
- 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 construction operations. Stumps on the berm shall be removed or cut as low as cutting tools permit. All stumps on the slopes shall be removed. Cleared debris should be disposed of by burning or removed from the right-of-way.
- III. BERM WIDTHS:
 

Unless otherwise noted the berms will have the following minimum widths: four (4) feet wide for ditches up to four (4) foot depth; six (6) feet wide for four to six foot depth; and ten (10) foot depth for ditches over six feet in depth.
- IV. SPOIL BANKS:
 

Excavated material should be deposited and spread along one and/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 Service Technician.
- VI. SURFACE WATER OUTLETS:
 

Whenever 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 Service Technician.
- VII. DITCH BANK SEEDING:
 

Area to be seeded Berm 2.0 acres  
Ditch Banks 7.5 acres.

The ditch banks will be seeded each day within 4 hours after the clearing and shaping is completed. The berms will be seeded after spoil is spread. Fertilizer will be applied at the time or within 24 hours after seeding. Seed will be covered by use of adjustable spike tooth harrow, if not seeded within the above time limits.

Seeding rates per acre: Permanent seeding.  
40 pounds tall fescue - (Kentucky 31 or Alta)  
500 pounds 12-12-12 or equivalent fertilizer  
2 tons straw or hay per acre for mulch or  
2 bushels oats seeded during spring or summer or 2 bushel wheat or rye seeded in the fall or winter may be used as a growing green mulch in place of straw mulch.

Mow when grass reaches a height of 10 to 12 inches.  
A split seeding can be made after September 15 where weather conditions are good—with half the fescue applied in the fall or winter and the balance in the spring.

The establishment of the seeding on the ditch bank and berm shall be the responsibility of the contractor. A minimum of 20 fescue plants per square foot will be considered adequate establishment.
- VIII. Existing culverts will be cleaned and the inverts (flow line) lowered if necessary to correspond to the proposed ditch grade as indicated on the plan. If necessary, culverts will be enlarged to meet drainage design.
- IX. ALL OF THE ABOVE SPECIFICATIONS ARE TO BE COMPLETED BEFORE PERFORMANCE IS CERTIFIED.

5/10/76  
AT THIS TIME THE IMPROVEMENT PROJECT WILL BE FROM STA. 0+00 THRU STA. 56+99. AT THIS POINT A PUMPING PLANT WILL BE INSTALLED AND WILL OPERATE AS NOTED ON PLAN # 39-01-383-76-50

THIS PLAN HAS BEEN APPROVED BY

*John G. Pappas*  
OTTAWA COUNTY ENGINEER  
5/10/76  
DATE

HARRIS TWP TRUSTEES DATE

LOCATION - S. 1/2 OF SECTION 6 S.W. 1/4 OF SECTION 5 R 14 E T 6N HARRIS TOWNSHIP OTTAWA COUNTY, OHIO.

SURVEYED - 4/3/74 THRU 5/22/74

REFERENCE LOOSE LEAF NOTES IN GROUP FOLDER #92

JOB CLASS V GROUP #92

DESIGN SURVEY  
SCHOTT DITCH #2  
DITCH OUTLET IMPROVEMENT

HARRIS TWP. OTTAWA CO.

**U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE**

Designed <i>Robbman</i>	Date <i>1/79</i>	Approved by <i>John G. Pappas</i>	Title <i>Chief Engineer</i>
Drawn <i>T.M. AM. B. Rose</i>	Date <i>4/79</i>	Checked <i>John G. Pappas</i>	Title <i>Chief Engineer</i>
Traced	Sheet	Drawing No. <i>39-01-383-75-29</i>	
Checked <i>M. Acuar</i>	Date <i>1/79</i>	No. <i>1</i>	of <i>6</i>