

BEGIN LandPlot ANALYSIS OF BOUNDARY DATA:

Clinton 28

Coordinate Reference:

T5

POINT COORDINATES AND RELATED CW HORIZONTAL ANGLES

Point #	Latitude (Northing)	Departure (Easting)	Line/Chord Length	CW Horizontal Backsight Angle to next Point.
	feet	feet	feet	(deg)(min)(sec)
1	5000.0000	10000.0000	1672.9500	269 44 59
2	6669.2423	10111.3180	600.9100	090 11 32
3	6631.8772	10711.0652	641.3400	269 48 03
4	7271.8388	10753.0915	924.8700	263 48 26
5	7214.4415	11676.1788	169.8200	211 42 35
6	7044.8010	11683.9851	341.5500	190 29 15
7	6746.2916	11518.0075	182.6700	188 06 55
8	6605.4658	11401.6614	429.0200	169 59 05
9	6316.6069	11084.4569	166.4900	163 00 29
10	6184.8095	10982.7300	310.1500	164 09 48
11	5894.6253	10873.2489	445.8800	174 29 34
12	5450.3312	10835.6758	648.2300	178 59 03
13	4802.1459	10843.2935	737.9900	230 08 30
14	4064.4766	10865.0475	75.6900	272 35 57
15	4014.2759	10808.4006	647.0600	177 14 54
16	4517.5030	10401.6462	518.4000	190 56 58
17	4904.5602	10056.7908	111.0700	214 33 57*

* Useful only when Closure Error is small - See below.

Closure error= .0139 feet

North Closure Error= - .0139 feet

East Closure Error= - .0005 feet

Angle of closure error=S 2/ 4/ 46 W

Waterloo
OR 68/1766

PERIMETER DISTANCE UPON CLOSURE = 8624.0900 feet

Note: Closure Precision is the relationship of closure error distance to perimeter distance

Closure Precision is 1 in 618216

Calculated area upon closure = 2456735.2076 square feet
= 228243.7201 square meters

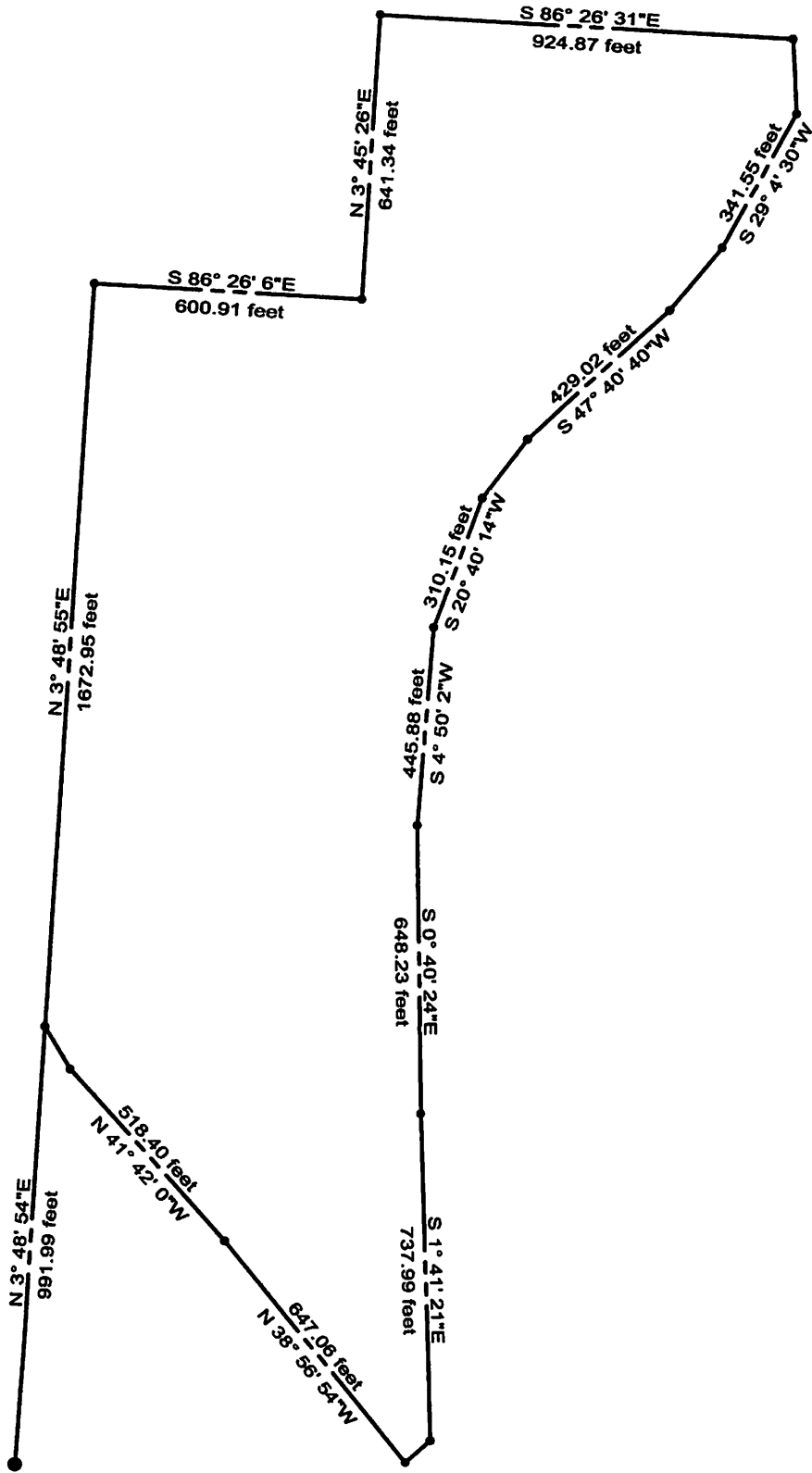
Calculated area upon closure = 56.3989 acres
= 22.824372 hectares

Desc 56.399A

----- BEGIN traverse LINES -----

PT.		---LINE/CHORD---			
#	CURVE	ARC-DEF	RADIUS (feet)	ARCLENGTH (feet)	CNTR DIRECTION DISTANCE (feet)
1	none				N 03/48/55 E 1672.9500
2	none				S 86/26/06 E 600.9100
3	none				N 03/45/26 E 641.3400
4	none				S 86/26/31 E 924.8700
5	none				S 02/38/05 E 169.8200
6	none				S 29/04/30 W 341.5500
7	none				S 39/33/45 W 182.6700
8	none				S 47/40/40 W 429.0200
9	none				S 37/39/45 W 166.4900
10	none				S 20/40/14 W 310.1500
11	none				S 04/50/02 W 445.8800
12	none				S 00/40/24 E 648.2300
13	none				S 01/41/21 E 737.9900
14	none				S 48/27/09 W 75.6900
15	none				N 38/56/54 W 647.0600
16	none				N 41/42/00 W 518.4000
17	none				N 30/45/02 W 111.0700

----- END OF BOUNDARY LINES -----



05-11-2004

1 inch=400 feet

North Rotation=0 deg

T5

PROPERTY DESCRIPTION

Being situated in Section 28, T-10-N, R-17-W, Clinton Township, Vinton County, Ohio, being a part of the Waterloo Coal Company, Inc., land (O.R.68/766), and being more particularly described as follows;

Commencing at a set iron pin being Southwest corner of the Southeast Quarter of the Southwest Quarter of Section 28; thence, N 3° 48' 54" E, passing as set iron pin at 961.99 feet, a distance of 991.99 feet to a point being in the center of Township Road 1 as the PLACE OF BEGINNING of this description;

Thence, N 3° 48' 55" E, on the D. Carr line (V158/531) and passing a set iron pin at 30.00 feet, a distance of 1672.95 feet to a set iron pin being the Northeast corner of the West Half of the Southwest Quarter;

Thence, S 86° 26' 06" E, through the Waterloo Coal Company, Inc., land, a distance of 600.91 feet to a set iron pin;

Thence, N 3° 45' 26" E, through the Waterloo Coal Company, Inc., land, a distance of 641.34 feet to a set iron pin;

Thence, S 86° 26' 31" E, on the D. Lewis line (V136/509 & O.R.92/693), a distance of 924.87 feet to a set iron pin;

Thence, the following ten calls through the Waterloo Coal Company, Inc., land to set iron pins;
S 2° 38' 05" E, a distance of 169.82 feet;
S 29° 04' 30" W, a distance of 341.55 feet;
S 39° 33' 45" W, a distance of 182.67 feet;
S 47° 40' 40" W, a distance of 429.02 feet;
S 37° 39' 45" W, a distance of 166.49 feet;
S 20° 40' 14" W, a distance of 310.15 feet;
S 4° 50' 02" W, a distance of 445.88 feet;
S 0° 40' 24" E, a distance of 648.23 feet;
S 1° 41' 21" E, a distance of 737.99 feet;
S 48° 27' 09" W, a distance of 75.69 feet to a point being in the center of Township Road 1;

Thence, N 38° 56' 54" W, a distance of 647.06 feet to a point in the center of Township Road 1;

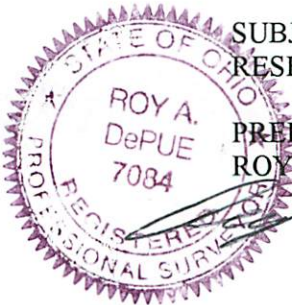
Thence, N 41° 42' 00" W, a distance of 518.40 feet to a point in the center of Township Road 1;

Thence, N 30° 45' 02" W, a distance of 111.07 feet to the PLACE OF BEGINNING containing 56.399 acres.

Bearings are based on a previous survey. All set iron pins are 5/8" X 36" with plastic cap number 7084.

SUBJECT TO ALL EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, AND RESERVATIONS OF RECORD.

PREPARED FROM A SURVEY IN MAY, 2004 BY ROY A. DePUE & ASSOCIATES, INC.
ROY A. DePUE, PS7084.



The description and plat submitted is approved for accurate mathematical closure and/or proper platting references.
APPROVED FOR TRANSFER BY
VINTON COUNTY ENGINEER'S OFFICE
BY nb DATE 8-17-04

BEARINGS BASED ON AN ASSUMED BEARING.
USE TO DENOTE ANGLES
ONLY.

A. SCHROCK
O.R.105/17

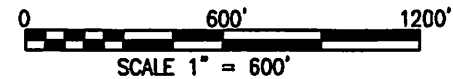
K. HUSTON
O.R.45/501

D. JAYJOHN
O.R.11/358

R. PHILLIPS
V155/181

LEGEND

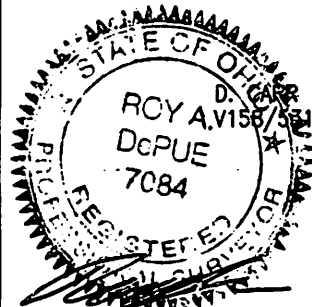
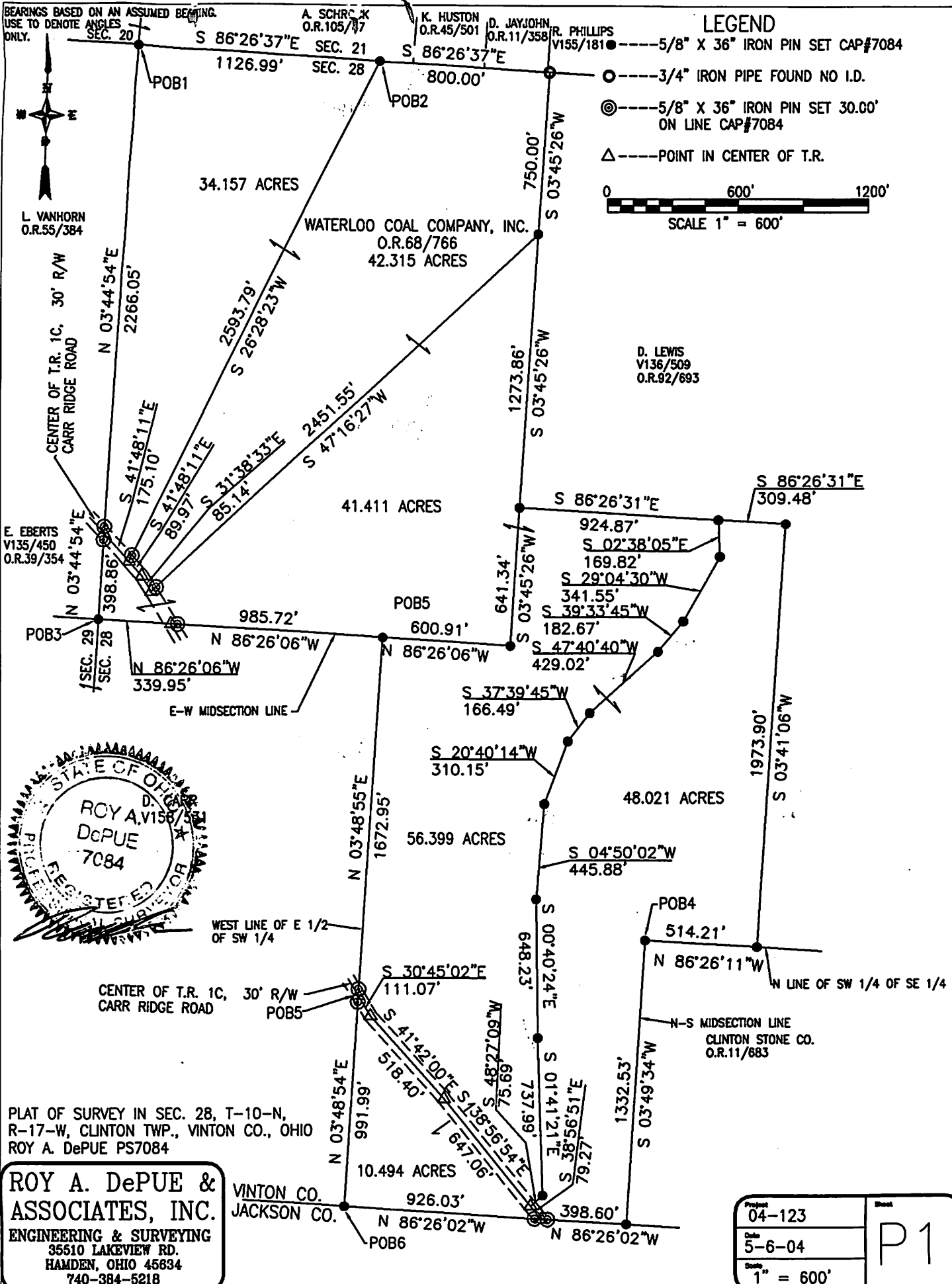
- 5/8" X 36" IRON PIN SET CAP#7084
- 3/4" IRON PIPE FOUND NO I.D.
- ⊙-----5/8" X 36" IRON PIN SET 30.00'
ON LINE CAP#7084
- △-----POINT IN CENTER OF T.R.



L. VANHORN
O.R.55/384

D. LEWIS
V136/509
O.R.92/693

E. EBERTS
V135/450
O.R.39/354



PLAT OF SURVEY IN SEC. 28, T-10-N,
R-17-W, CLINTON TWP., VINTON CO., OHIO
ROY A. DePUE PS7084

**ROY A. DePUE &
ASSOCIATES, INC.**
ENGINEERING & SURVEYING
35510 LAKEVIEW RD.
HAMDEN, OHIO 45634
740-384-5218

VINTON CO.
JACKSON CO.

Project 04-123	P1
Date 5-6-04	
Scale 1" = 600'	