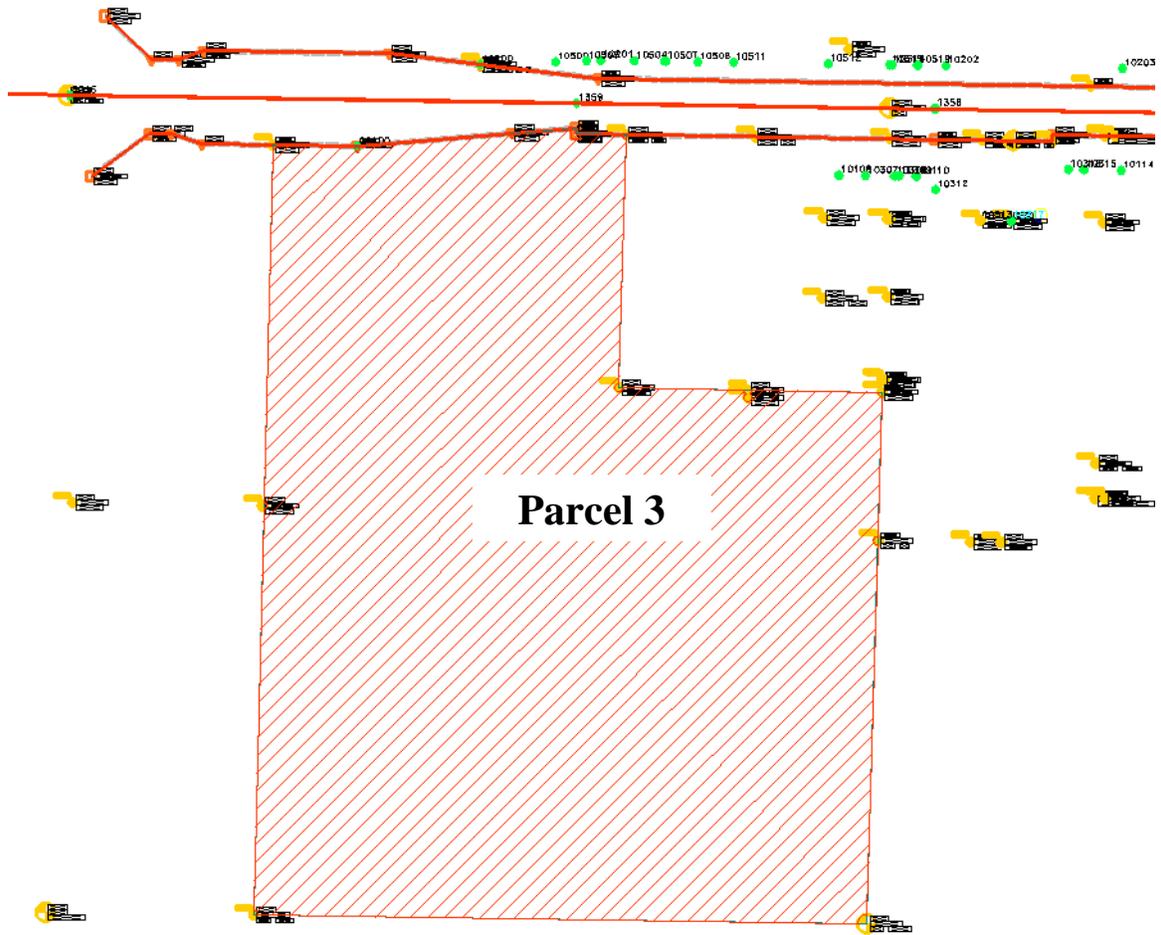


**Exercise 3-2**

Instruction: Using land descriptions from the deed for parcel 3 (provided in the appendix) titled to Nona Trahan Ancell place points using GEOPAK cogo tools to include the Intersect tool, Locate On tool and various other tools. We will use the points created in order to store parcel 3.



\*\* More information contained on next page. \*\*

1. Plot a point using the Locate Traverse tool and the description given of “All of the East 30 Acres of the Northwest Quarter of the Northwest Quarter of Section 8, Township 27, Range 32, a part of which is located in the Village of Duquesne, Jasper County, Missouri, EXCEPT a tract of land beginning at a point 902 feet East of the Northwest corner of Section 8 and 50 feet South of the North Section line, **Start the point numbers with 2001.**

Point 2545 represents the NW Corner. Point 1307 represents a corner due East on the Section line.

2. Thence South 208.7 feet,

The screenshot shows the 'Locate Traverse' software window. The 'Locate Point' field contains '2002'. The 'Station Point' section has 'Name' set to '2001' and an 'Equate' button. 'Elevation' and 'Station Height' are both set to '0.000000'. The 'Direction' section shows 'Bearing' as 'S', a distance of '0', and 'E'. An 'Offset Distance' of '258.700000000' is entered. The 'Distance' section has 'Distance' set to '208.7', 'Zenith Angle' as '90 00 00.00', and 'Rod Height' as '0.000000'. A 'Locate' button is at the bottom.

3. Thence East 208.7 feet,

The screenshot shows the 'Locate Traverse' software window. The 'Locate Point' field contains '2003'. The 'Station Point' section has 'Name' set to '2002' and an 'Equate' button. 'Elevation' and 'Station Height' are both set to '0.000000'. The 'Direction' section shows 'Bearing' as 'S', a distance of '90', and 'E'. An 'Offset Distance' of '50.000000000' is entered. The 'Distance' section has 'Distance' set to '208.7', 'Zenith Angle' as '90 00 00.00', and 'Rod Height' as '0.000000'. A 'Locate' button is at the bottom.

4. Thence North 208.7 feet,

5. Beginning at a point 902 feet East and 258.7 feet South of the Northwest corner of the Northwest Quarter of the Northwest Quarter,

6. Thence South 201 feet,

Locate Traverse

Locate Point : 2006  Elevation On

Side Shot Mode

Station Point

Name : 2005

Elevation : 0.000000 Station Height : 0.000000

Direction

Bearing S 0 E +

Offset Distance : 258.700000000

Distance

Distance 201

Zenith Angle : 90 00 00.00 Rod Height : 0.000000

7. Thence East 208.7 feet,

Locate Traverse

Locate Point : 2007  Elevation On

Side Shot Mode

Station Point

Name : 2006

Elevation : 0.000000 Station Height : 0.000000

Direction

Bearing S 90 E +

Offset Distance : 258.700000000

Distance

Distance 208.7

Zenith Angle : 90 00 00.00 Rod Height : 0.000000

8. Thence North 213 feet,

**Locate Traverse**

Locate Point : 2008  Elevation On

Side Shot Mode

Station Point

Name : 2007

Elevation : 0.000000 Station Height : 0.000000

Direction

Bearing N 0 E +

Offset Distance : 258.70000000

Distance

Distance 213

Zenith Angle : 90 00 00.00 Rod Height : 0.000000

9. Thence West 208.7 feet to the point of beginning.

**Locate Traverse**

Locate Point : 2009  Elevation On

Side Shot Mode

Station Point

Name : 2008

Elevation : 0.000000 Station Height : 0.000000

Direction

Bearing N 90 W +

Offset Distance : 258.70000000

Distance

Distance 208.7

Zenith Angle : 90 00 00.00 Rod Height : 0.000000

10. Beginning at a point 50 feet South of the Northeast corner of the Northwest Quarter of the Northwest Quarter of Section,

**Locate Traverse**

Locate Point : 2010  Elevation On  
 Side Shot Mode

Station Point  
Name : 1307   
Elevation : 0.000000 Station Height : 0.000000

Direction  
Pa To Pb 1307 2481 +  
 Offset Distance : 258.70000000

Distance  
Distance 50  
Zenith Angle : 90 00 00.00 Rod Height : 0.000000

11. Thence South along the East line of said 40 acres, 410 feet,

**Locate Traverse**

Locate Point : 2011  Elevation On  
 Side Shot Mode

Station Point  
Name : 2010   
Elevation : 0.000000 Station Height : 0.000000

Direction  
Pa To Pb 1307 2481 +  
 Offset Distance : 258.70000000

Distance  
Distance 410  
Zenith Angle : 90 00 00.00 Rod Height : 0.000000

12. Thence West parallel to the North line of said 40 acres, 216.2 feet,

The screenshot shows the 'Locate Traverse' software interface with the following fields and values:

- Locate Point: 2012
- Elevation On:
- Side Shot Mode:
- Station Point Name: 2011
- Equate: [Button]
- Elevation: 0.000000
- Station Height: 0.000000
- Direction: Pa To Pb
- Angle 1: 1307
- Angle 2: 2545
- Offset Distance:  258.70000000
- Distance: 216.2
- Zenith Angle: 90.00.00.00
- Rod Height: 0.000000
- [Locate Button]

13. Thence North 410 feet to a point 50 feet South of the North line of said 40 acres, said point being on the South right-of-way line of the highway, thence East along said right-of-way 216.2 feet to the point of beginning.



14. Use the Store Parcel from Elements Tool to create parcel 3 with the owner name Nona Ancell. Start at the iron pin numbered 2472 and connect the survey points that make up the parcel. Use the point numbers listed in the dialog box below.

Store Parcel From Elements

Parcel Name: 3

Parent Tract: [dropdown]

Element List

2472 4813 1337 1364 1365 2463 2470  
2486 2481 2480 2472

Element Selection

Element Type: Point

Point Name: [input]

< Add

Owner Name: Nona Ancell

Improvement: [input]

Attributes

Name	Type	Value

Store Parcel

15. Select Store Parcel to store the parcel into your gpk file.

Store Parcel