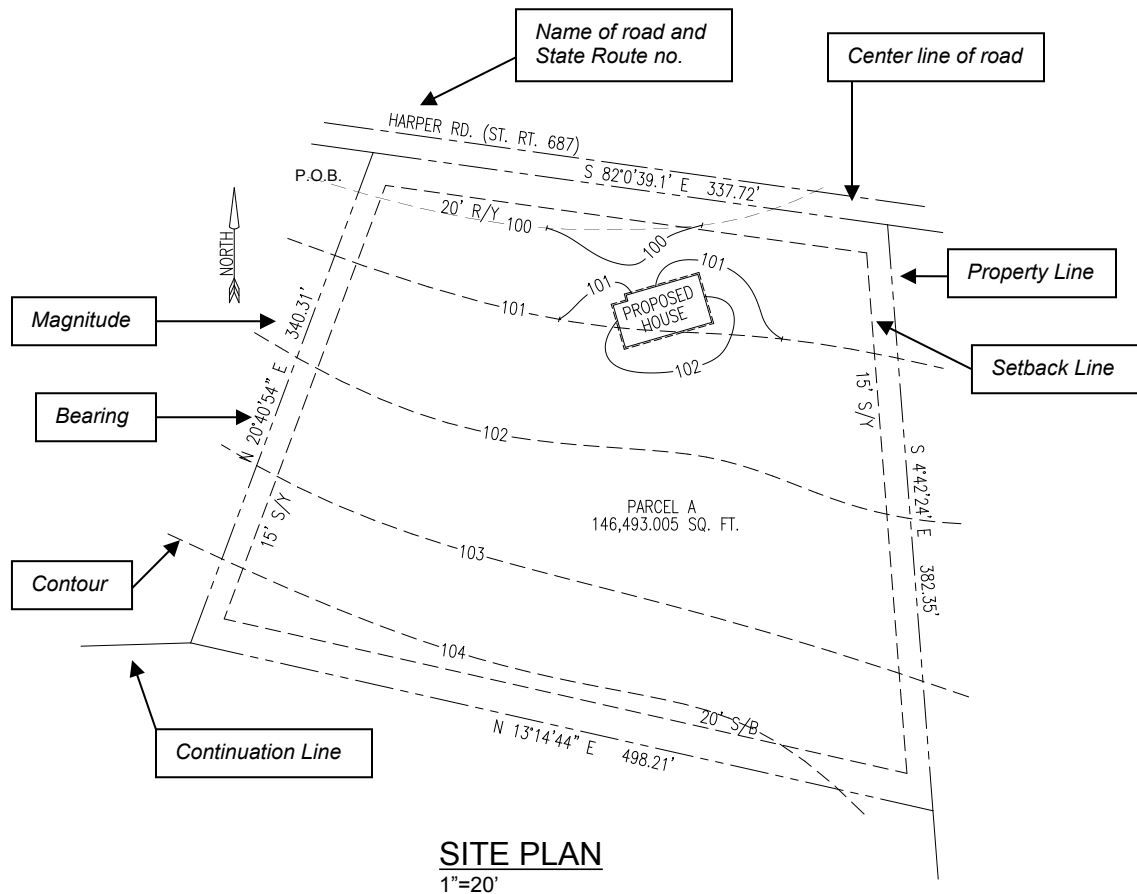


Terminology

- **Magnitude** – Distance, measured in decimal feet.
- **Bearing** – Specifies direction relative to an angle east or west of north and south.
- **Property Line** – Show the boundaries of the piece of land. Usually drawn with a thick phantom line.
- **Setback Line** – Boundaries within the property outside of which buildings may not be placed. Usually drawn with thin, short, dashed lines
- **Continuation Line** – Shows the direction of the property line beyond the drawn site.
- **Easement** – A portion of land set aside for utilities (electrical, water, sewer).
- **Right-Of-Way** - A portion of land set aside for roads or access to a property.
- **Legal Descriptions of Land** – Metes & bounds, Rectangular System and Lots & Blocks
- **Plot (or Site) Plan** – A drawing which shows the property boundaries, locations and orientation of structures.
- **Contour** – A line of constant elevation.
- **Contour Interval** – Vertical distance between contour lines.
- **Topography** – Physical description of land surface using contours to show elevation.
- **Grid Survey** – Divides the site into a checkerboard pattern and records the elevations at each point of the grid to reproduce the topography of the land.
- **Acre** – 43,560 square feet.
- **Point-of-Beginning (POB)** – The point at which the measurements – magnitude & bearing – of the property are begun.



Site plans are drawn using the engineer's scale. Possible scales are:

1"=10', 1"=20', 1"=30', 1"=40', 1"=50', 1"=60'
1"=100', 1"=200', etc.

A North Arrow must be placed on the Site Plan.

Topics for Competency 4

Site Plan information & Terminology

- Elevations
- Topography
- Contours
- Utilities
- Grading
- Line types used on site plans
- Plot Plan

Terms to be defined or identified for Competency 4

- Contour Line
- Sanitary Sewer
- Elevation
- Topographic
- Grading Plan
- Site Analysis
- Acreage (acreage calculations)
- Control Point

True and False

The indication S drawn on top of a line would indicate a Sanitary Sewer.

It is a good practice to show existing trees on the Site Drawing.

Existing Building are never shown on the Site Drawing

Overhead Utilities should be only shown on the Electrical Floor Plan

The Electrical floor plan is where the overhead utilities are shown.

Which of the following would not be found in the curve table on a site plan?

- a. Curve radius
- b. Chord length
- c. Chord bearing
- d. Invert elevation

On a site plan, what does the abbreviation “IPF” mean?

- a. Initially Proposed Foundation
- b. Iron Pipe Found
- c. Inverse Pipe Flow
- d. In Process of Formalizing

What does a contour line show on a site plan?

- a. Area set aside for utilities.
- b. Beginning point of measurements.
- c. Line of constant elevation.
- d. Point of known elevation.

A grading plan shows how a:

- a. Site is to be excavated.
- b. Subdivision is broken into blocks.
- c. Lot is evaluated for solar access.
- d. None of the above.

A township contains:

- a. 6 sections.
- b. 36 square miles.
- c. 6 square miles.
- d. 1 square mile.

The number of square feet in a quarter acre is:

- a. 10,890
- b. 8,712
- c. 21,780
- d. 10,115

Setbacks are:

- a. Boundaries within which a building should be placed.
- b. Boundaries set outside of which a building should be placed
- c. Determined by the accessor's office.
- d. Should be drawn to match the property line.

Which of the following items would be completed last on a plot plan?

- a. Lay out the proposed structure.
- b. Draw the setbacks.
- c. Place the legal description.
- d. Add the dimensions

The type of survey that layouts the elevations for the contour lines based on elevation points given on a map is the:

- a. Radial survey.
- b. Control point survey.
- c. Grid survey.
- d. Contour survey.

Soil removed from a building site to create a finish grade is called

- a. Rubbish
- b. Cut
- c. Removal
- d. Strip

A yard fence is located near the roadway and driveway intersections.

What would be the best height of the fence for the first 25'

- a. 3'-0"
- b. 4'-0"
- c. 6'-0"
- d. 5'-0"