



How to Draw a Residential Site Plan using AutoCAD

Week #	Lesson #	Lesson Title	Topics	Objectives	Video Length
1	1	Drawing Property Lines and Building Lines	Review the example site plan sketch	Identify and understand the layout and purpose of graphical elements in a site plan	01:03:25
1	1	Drawing Property Lines and Building Lines	Create Drawing	Understand how to create a drawing in AutoCAD	
1	1	Drawing Property Lines and Building Lines	Attach PDF	Display a page of a pdf file in AutoCAD	
1	1	Drawing Property Lines and Building Lines	Boundary Lines	Replicate the boundary lines displayed in the pdf by drawing lines in AutoCAD	00:21:26
1	1	Drawing Property Lines and Building Lines	Building Footprint	Drawing lines that represent the exterior walls of a building	
1	1	Drawing Property Lines and Building Lines	Save Drawing	Learn the when, how, and why you save a drawing in AutoCAD	
2	2	Organizing Objects Using Layers	Why Layers?	Learn what purpose layers serve to manage drawing content	00:22:00
2	2	Organizing Objects Using Layers	Layer Names	Understand how layer names add meaning to drawing content	
2	2	Organizing Objects Using Layers	Layer Properties	Learn what display characteristics are controlled by layers	
3	3	Editing Techniques to Create Setback Lines	Layer Display Control	Learn how to change the visibility settings of layers	00:28:36
3	3	Editing Techniques to Create Setback Lines	Editing Layer Properties	Learn how to change the layer properties	
3	3	Editing Techniques to Create Setback Lines	User Interface Controls for Layers	Discover the location and purpose of the parts of the AutoCAD user interface that control layers	
3	3	Editing Techniques to Create Setback Lines	Editing Commands for AutoCAD Objects	Learn to change drawing objects after they have been created	00:32:29
3	3	Editing Techniques to Create Setback Lines	Object Selection	Learn how to apply changes to specific drawing objects	
3	3	Editing Techniques to Create Setback Lines	Object Selection	Learn how to apply changes to specific drawing objects	
4	4	Creating and Editing AutoCAD Objects for the Driveway and Street	Creating Layers	Apply what you have learned about layers to create new layers	00:16:15
4	4	Creating and Editing AutoCAD Objects for the Driveway and Street	Entering Distances to Draw Lines	Learn to draw lines at a specific length	
4	4	Creating and Editing AutoCAD Objects for the Driveway and Street	More ways to draw objects	Learn various alternative ways to draw lines	
5	4	Creating and Editing AutoCAD Objects for the Driveway and Street	Using Object Snaps	Learn to be exact when drawing objects	00:33:46
5	4	Creating and Editing AutoCAD Objects for the Driveway and Street	More ways to edit objects	Learn various alternative ways to edit drawing objects	
5	4	Creating and Editing AutoCAD Objects for the Driveway and Street	Controlling Display of PDF in Drawing Editor	Learn the display controls applicable to a PDF underlay	
6	5	Creating Text for Lot Numbers and Lot Data	Text Style Settings	Learn what controls the display of text objects	00:39:56
6	5	Creating Text for Lot Numbers and Lot Data	Creating Text Objects	Learn how to create text objects	
6	5	Creating Text for Lot Numbers and Lot Data	How Annotative Scale Affects Text	Learn about displaying drawing objects at a specific scale on paper	
6	5	Creating Text for Lot Numbers and Lot Data	Other Properties of Text Objects	Understand how text object properties can be displayed and changed	00:20:42
6	5	Creating Text for Lot Numbers and Lot Data	Copying and Editing Text	Learn to replicate text objects then modify their content	
7	6	Changing Text Styles and Settings for Street Name and Drawing Title	Text Styles Strategy	Learn how to establish graphical standards to convey meaning and organization	
7	6	Changing Text Styles and Settings for Street Name and Drawing Title	Create a New Text Style	Practice creating a new text style utilizing your knowledge of text properties	01:06:21
7	6	Changing Text Styles and Settings for Street Name and Drawing Title	How Dialog Boxes and Palettes are Different	Understanding parts of the AutoCAD user interface that provide similar purpose but have different behaviors	
7	6	Changing Text Styles and Settings for Street Name and Drawing Title	Controlling Text Size	Learn about system settings that control text size	
8	7	Dimensioning Buildings, Setbacks, and other Distances	Text Editing and Formatting	Practice techniques to change the content and display of text objects	00:34:45
8	7	Dimensioning Buildings, Setbacks, and other Distances	Controlling Object Display using Layers	Learn to use layer settings to control display characteristics of drawing objects	
8	7	Dimensioning Buildings, Setbacks, and other Distances	Dimension Styles	Understand how dimension object properties are managed	
8	7	Dimensioning Buildings, Setbacks, and other Distances	Dimension Commands	Learn to create dimension objects	00:30:12
8	7	Dimensioning Buildings, Setbacks, and other Distances	Editing Dimensions	Learn to change dimension object properties	
8	7	Dimensioning Buildings, Setbacks, and other Distances	Controlling Display of Dimension Object Components	Learn to change the display of dimension objects	
9	8	Labeling with Leaders	Differences between Dimensions and Leaders	Learn when and how to choose between using a dimension or a leader	01:06:21
9	8	Labeling with Leaders	Multileader Styles	Understanding how to control the display of multileaders	
9	8	Labeling with Leaders	Creating Multileader Objects	Learn how to create multileader objects	
10	8	Labeling with Leaders	Editing Multileader Object Properties	Learn how to edit multileader properties to control display of arrowhead, leader, and text	00:30:12
10	8	Labeling with Leaders	Grip Editing Multileader Objects	Practice changing the position of multileader components using grips	
11	9	Paperspace Layouts	Layout Tab	Understanding what Paper Space is and what will be drawn in Paper Space	
11	9	Paperspace Layouts	Scaled Viewports in Paper Space	Understanding how the Viewport displays Model Space objects in a Layout	01:06:21
11	9	Paperspace Layouts	Page Setups	Learn how to control the settings for plot device and paper size	
12	10	Drawing in Paper Space	Creating a new Text Style	Learn to create a new Text Style to match the example sketch properties	
12	10	Drawing in Paper Space	Creating and Editing MTEXT objects	Learn how to create and copy MTEXT objects in Paper Space then use the MTEXT Editor	00:30:12
13	10	Drawing in Paper Space	Creating and Editing Lines	Learn how to create, copy, grip edit, and break horizontal lines in Paper Space	
13	10	Drawing in Paper Space	Drawing Rectangles	Learn to draw rectangles at specific dimensions using the RECTANGLE command	
13	10	Drawing in Paper Space	Drawing in Model Space while in a Layout	Learn to create and edit objects displayed in the Model Space Viewport	00:34:45
13	10	Drawing in Paper Space	Drawing a North Arrow	Learn to create and edit a Multileader object to look like a North Arrow	
14	11	Printing to PDF	Plot Style Tables	Understand how Plot Styles are used to control color when plotting	
14	11	Printing to PDF	Creating a Named Page Setup	Learn how to create a Named Page Setup and assign it to a Layout	00:30:12
14	11	Printing to PDF	Viewport Properties and Settings	Review the scale of a Viewport then Lock the Viewport	
14	11	Printing to PDF	Using the PLOT Command to Create a PDF File	Learn how to use the Plot dialog box and Preview the output then plot to a PDF file	
14	11	Printing to PDF	Viewing the PDF File in Adobe Reader	Display the plotted drawing in PDF format using Adobe Reader	00:34:45
15	12	Enhancing the Printed Output	Controlling Lineweights Using Layer Properties	Learn how to assign Lineweight as a Layer Property	
15	12	Enhancing the Printed Output	Applying a Layer Naming Convention	Learn to use Layer names as a method to group objects for better display control	
15	12	Enhancing the Printed Output	Using the Properties Palette to Reassign a Layer to an Object	Learn to use the Properties Palette and Layer Drop-down list to reassign layers to objects	00:34:45
15	12	Enhancing the Printed Output	File Naming Convention for PDF Files	Learn why file naming conventions are important	
15	12	Enhancing the Printed Output	Viewing the PDF File in Adobe Reader	Learn how to use the display controls in Adobe Reader while viewing the drawing in PDF format	
15	12	Enhancing the Printed Output	Creating a Black and White PDF File	Learn to create a black and white version of the drawing in PDF format	