

ZW Geo



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Table of contents

Load	10
Manage points.....	10
Add points	10
Describe points	10
Quick point.....	11
Interpolate	11
Table of points	13
Report points as table.....	16
Points by distance	16
Manage lines	17
Describe objects.....	17
Draw by numbers.....	17
Mark middle segment of the polyline.....	18
Export polyline coordinates	18
Polyline coordinates to a table	19
Raster images	19
Insert all rasters from a selected folder.....	19
Insert multiple raster files.....	19
Tools	20
Rectangular offset.....	20
Front measure.....	21
Describe conduit	21
Mark a boundary.....	22
Insert a cross grid.....	23
Save text in txt file.....	23
Rectangle.....	23
View.....	24
Cover elements with text.....	24
Bring forward	24
Trim Map.....	24
Visibility	25
ZWGeo.....	26
Activate	26
Manual load	29
Profile	30
Mark Contour Lines.....	30
Label Contour Line	31
Draw Profile	31

ZWGeo	32
Import/Export	32
Import SHP	32
Export SHP	32
Data	33
Gis data panel	33
Data: Table edit	34
Data: Add data	34
Data: Remove data	35
GML	35
GML Import	35
GML Export	35
WFS Import	36
WMS	37
WMS_Import	37
OSM	37
OpenStreetMap	37
H	38
H	38
Reference systems	38
Set reference systems	38
Transform drawing	39
Mark coordinate	39
Tools	39
Label	39
Report	40
Select	40
Select by area	41
Turn on/off fill	42
Selection	42
Select inside polyline	42
Select crossing polyline	43
Select inside by point	43
Select inside and crossing by point	44
ZWMaps	45
PRPOG	45
Horizontal fundamental geodesic network	45
Horizontal base geodesic network	45
Fundamental height geodesic network	45

Vertical geodesic network.....	45
Fundamental gravimetric geodesic network	46
Gravimetric base geodesic network	46
Fundamental magnetic geodesic network.....	46
Base magnetic geodesic network	46
Detailed horizontal geodesic control network	47
Detailed height geodesic control network.....	47
PRG	47
Country border.....	47
Voivodeship border.....	47
District border	48
Commune border	48
Permanently stabilized state point of the state border.....	48
Permanently stabilized intermediate point of the state border.....	48
Land and building records	49
Cadastral unit.....	49
Cadastral precinct	49
Cadastral parcel	49
Border point.....	50
Land use outline.....	50
Classification outline	50
Building	51
Above ground storey.....	51
Underground storey.....	51
Connector.....	52
Overhang.....	52
Building passage.....	52
Different type of block	53
Terrace	53
Porch	53
Vestibule	54
Stairs.....	54
Pillar	54
Ramp	55
Entrance to the underground	55
Ramp for disabled people	55
Geodetic record of land utilities networks.....	56
Water pipe	56
Water supply technical device	56

Valve.....	56
Hydrophore plant.....	57
Hydrant	57
Street spring.....	57
Ordinary well.....	58
Deep well	58
Sewage pipe	58
Sewage technical device	58
Valve.....	59
Sewage well.....	59
Sewage grate.....	59
Linear drainage	60
Cesspool	60
Home sewage treatment plant	60
Sewer outlet.....	61
Pumping station	61
Electrical cable	61
Electrical technical device	62
Electrical cabinet or container	62
Transformer station	62
Lantern	62
Lightning pole.....	63
Wind turbine	63
Electric vehicle charging station.....	63
Gas pipe.....	64
Gas technical device.....	64
Valve.....	64
Gas cabinet or container	64
Gas station	65
Gas tank	65
Heat pipe.....	65
Heat technical device.....	66
Valve.....	66
Telecommunication cable.....	66
Telecommunication technical device.....	67
Telecommunication cabinet or container.....	67
Telecommunication tower	68
Telecommunication pole	68
Special cable.....	68

Special network's technical device	69
Unidentified wire	69
Unidentified network's technical device.....	69
Technological channel.....	70
Cable protective casing	70
Underground chamber.....	70
Manhole to a chamber or sewer.....	70
Overhead wire pole.....	71
Traction pole	71
Cable support.....	71
Underground building.....	72
Database of topographic objects.....	72
Building in construction	72
Building	72
Overground storey	73
Underground storey.....	73
Connector.....	73
Overhang.....	74
Drive through the building.....	74
Different type of block	74
Terrace	75
Porch	75
Vestibule	75
Stairs.....	76
Support associated with a building.....	76
Ramp	76
Entrance to the underground	77
Ramp for disabled people	77
Cooling tower.....	77
Industrial chimney.....	78
Water tower.....	78
Fire tower	78
Mine shaft tower.....	79
Observation tower	79
Tank or silo	79
Shed.....	80
Dumpster	80
Figure, cross	80
Fountain	80

Statue	81
Monumental ruin	81
Retaining wall.....	81
Support.....	82
Different building	82
Permanent fence.....	82
Gate.....	83
Wicket	83
Roadway.....	83
Curb.....	84
Pavement	84
Bike lane	84
Paved area.....	84
Roadside ditch.....	85
Stairs in the communication route	85
Bridge	85
Culvert.....	86
Overpass.....	86
Wharf	86
Protective barrier	86
Ramp	87
Acoustic screen	87
Track.....	87
Platform	87
Ramp	88
Cableway	88
Different communication object.....	89
Forest area	89
Tree or bush cover	89
Graveyard.....	90
Lawn.....	90
Deciduous tree.....	90
Conifer.....	91
Different land development facility	91
Outdoor pool.....	91
Different sport facility	92
Sports square	92
Playground	92
Ski lift.....	92

Flowing water.....	93
Flood embankment.....	93
Still water	93
Drainage ditch.....	94
Weir.....	94
Floodgate	95
Causeway	95
Dam	95
Spur	95
Different object related to water.....	96
Pier	96
Reinforced slope	96
Unreinforced slope	97
Natural picket.....	97
Artificial picket	97

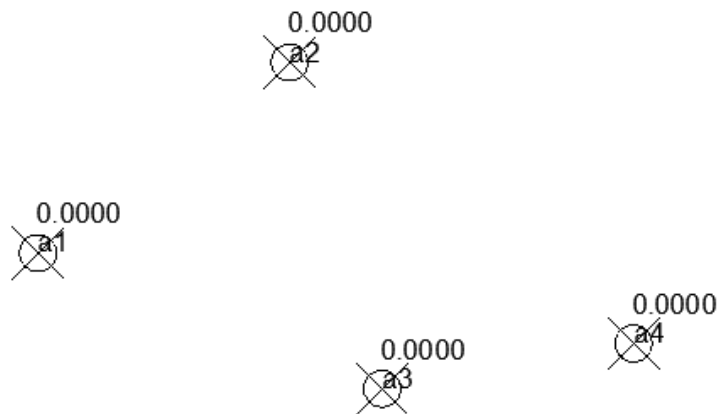
Load

In order to load ZWCAD faster, the application isn't active at all time. If you want to use the application during your project, please use this function to load its content into the ZWCAD. You can also run ZWCAD with ZWGeo by opening it from the desktop's icon.

Manage points

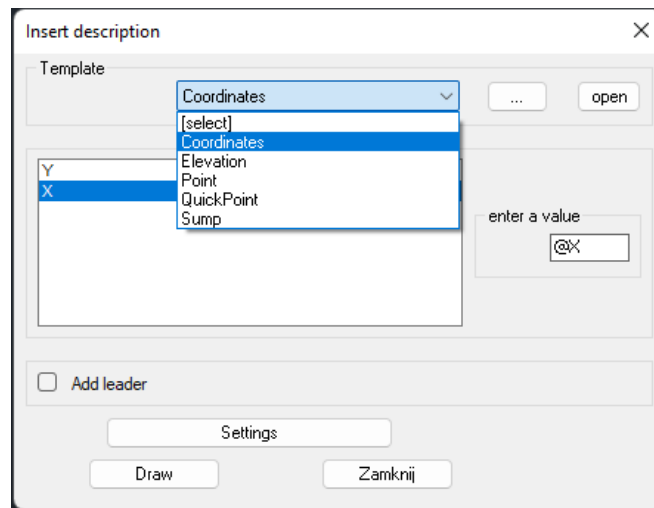
Add points

The command let user mark points by insert point entity and text containing series and number in points clicked by user. After running the command, the user will be asked to input series and start number. After that, click on the place where first point should be located, and set a symbol of this point.



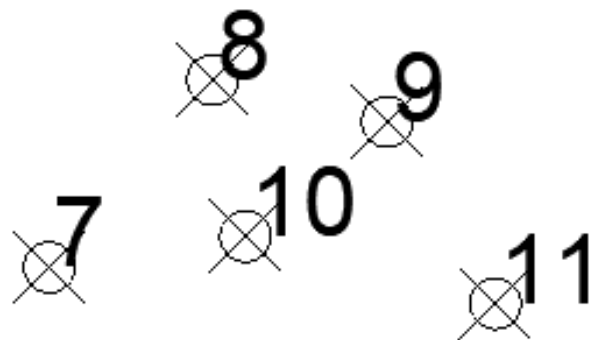
Describe points

You can use this function to insert points based on a template. Run the command, and choose set of values from: Coordinates, Elevation, Point, Quick Point and Sump. You can then put a point into a drawing with chosen description. You can also add a leader to your point.



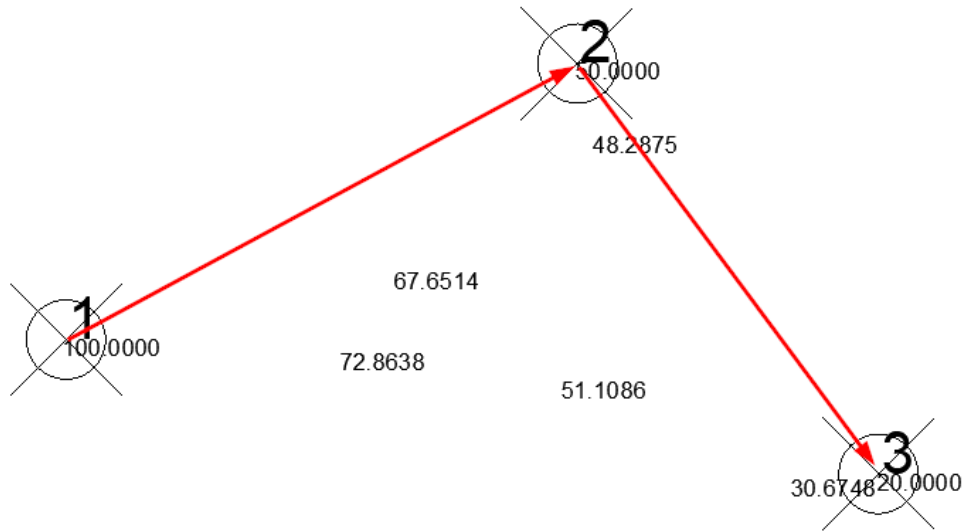
Quick point

You can use this function to conveniently insert many points, one by one. The points will have advancing numeration. You can also edit it any time by double clicking.



Interpolate

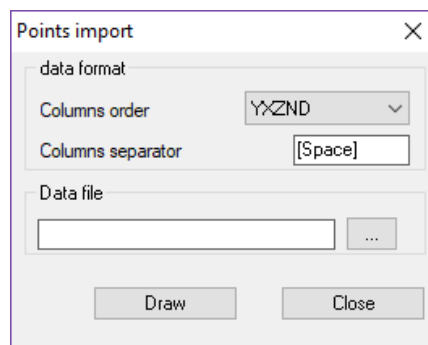
This function can be used to define a plane and calculate coordinates of points in this plane. Any points that are to be interpolated must be located within boundaries of 3 lines.



- First, choose 3 points you want to be your reference point. Make sure that they have Z value set, and its different from each other.
- Then you can draw a line between them, so a triangle is created, but this only makes it more readable. Make sure you have localization to point turned on, or you won't be able to catch your points.
- Run the command, and draw 2 lines between your points to make a triangle.
- Now you can click on any point within the figure, to create points with Z value, based on created plane.

Import points

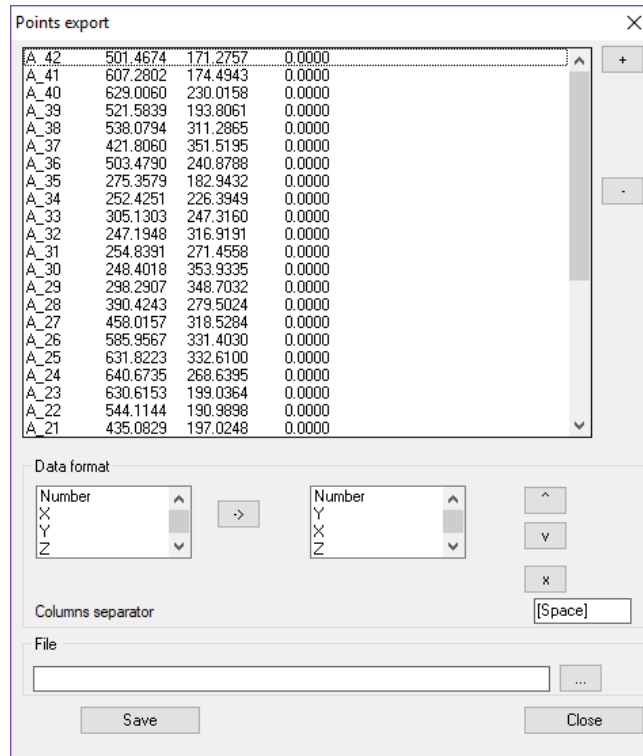
The command inserts into drawing points defined in text files. After executing the command, application will display a window:



In this window user may select format of files with data, columns order and separator of columns. Also user may select file with data. After clicking button [Draw], application will insert points, numbers and blocks of symbols if contained on a data file.

Export coordinates

The command will export coordinates of points into text files. After executing the command, application will display window:



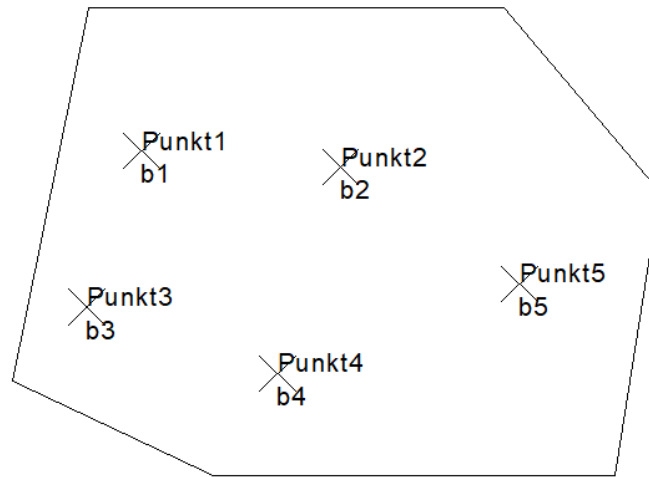
In this window, there is a list of points selected from drawing. If you want to select a new one, click point [+], and application will ask you to select points. You can remove them from this list by [-]. In this window you can also define format of a file, columns order and a separator. Also you must write or select a path to a file where points will be stored. After clicking [Save], points will be saved.

Table of points

Function can be run by using the command ATP_START. Once the function is started, the following table will appear:

ID	Column	Name	X	Y	Z

To which you can add points from drawing with this button and select objects (points in this case), just as presented below:



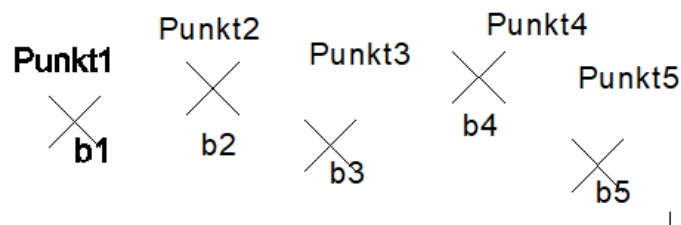
You will get the following result:

ATP Palette						
ID	Znajdź	Nazwa	X	Y	Z	
3C55	[*]	ZWGEO_Pt	446,207	172,375	0,000	
3C1C	[*]	ZWGEO_Pt	370,510	144,209	0,000	
3BE3	[*]	ZWGEO_Pt	310,657	165,040	0,000	
3BAA	[*]	ZWGEO_Pt	390,251	208,936	0,000	
3B71	[*]	ZWGEO_Pt	327,967	214,038	0,000	

This is the way how points have been added to the table. When changing properties in the table, the changes in the drawing are applied automatically.

ID	Znajdź	Nazwa	X	Y	Z
3B71	[*]	ZWGEO_Pt	400,000	150,000	25,000
3BAA	[*]	ZWGEO_Pt	390,251	208,936	0,000

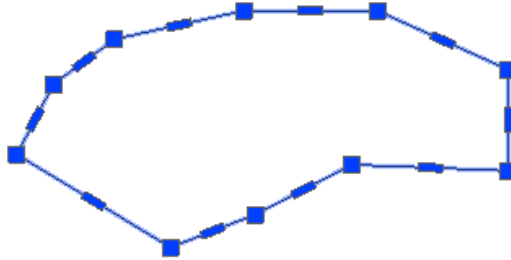
After changing coordinates of Punkt1, it will move to a different place. It is also possible to move points in the model:



Active Points Table will adjust values accordingly to their new position:

ID	Znajdź	Nazwa	X	Y	Z	NUMER
3B71	[*]	ZWGEO_Pt	323,356	183,939	25,000	Punkt1
3BAA	[*]	ZWGEO_Pt	359,888	192,734	0,000	Punkt2
3BE3	[*]	ZWGEO_Pt	391,007	177,851	0,000	Punkt3
3C1C	[*]	ZWGEO_Pt	430,245	195,778	0,000	Punkt4
3C55	[*]	ZWGEO_Pt	461,628	172,572	0,000	Punkt5

Once a selected polyline is added into the table, it will display all information regarding coordinates of polyline vertexes, its area and perimeter.

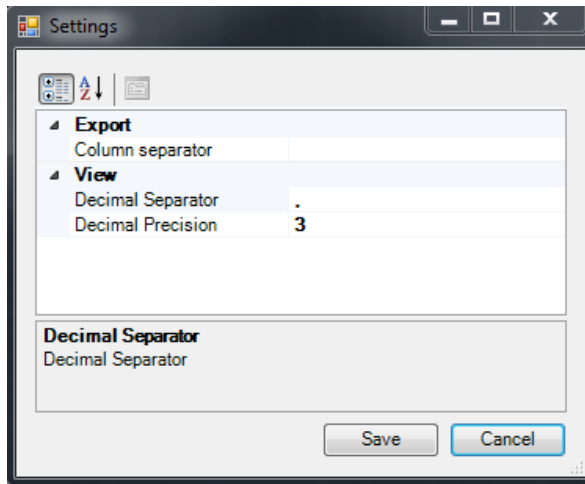


Znaj	Nazwa	X	Y	Z	Powierzchnia	Długość
[*]	Pollinia	820,572	446,304	0,000	8323,573	395,411
		863,129	455,687	0,000		
		907,027	455,687	0,000		
		950,255	436,251	0,000		
		950,255	403,076	0,000		
		898,650	405,087	0,000		
		866,816	388,667	0,000		
		839,002	377,944	0,000		
		788,402	408,438	0,000		
		800,466	431,560	0,000		
		820,572	446,304	0,000		

Any changes to polyline vertexes will be automatically applied within the table. Active Points Table handles:

- points,
- group of objects,
- attribute blocks,
- polylines.

To access settings, click on this icon or type in the command ATP_SETTINGS. Following parameters can be adjusted:



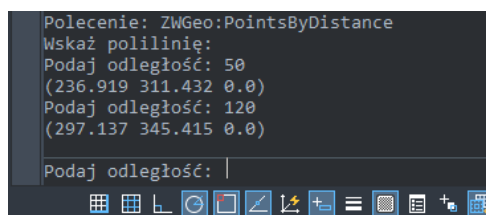
Report points as table

You can use this command to make a table of points. Run the function, select points you want in your table, and confirm with Enter. Then place it in your drawing.

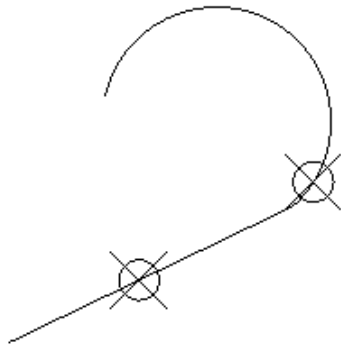
Zestawienie współrzędnych punktów			
Współrzędna X	Współrzędna Y	Współrzędna Z	Numer
322.813	185.3564	0	a1
402.6712	245.874	0	a2
431.9942	142.3078	0	a3
511.8524	156.6573	0	a4
739.0316	204.0972	100	1
814.6298	244.8452	50	2
859.1309	184.2594	20	3
803.9066	129.0351	0	4
896.6619	125.8182	0	5
942.2353	239.4836	0	6
975.6741	175.2768	0	7
990.3674	192.1299	0	8
1006.0752	188.3666	0	9
993.3126	178.0584	0	10
1015.8107	172.0044	0	11

Points by distance

With this function you can insert points on a polyline. You need to run the command, and choose a polyline. Command line will prompt for a distance:



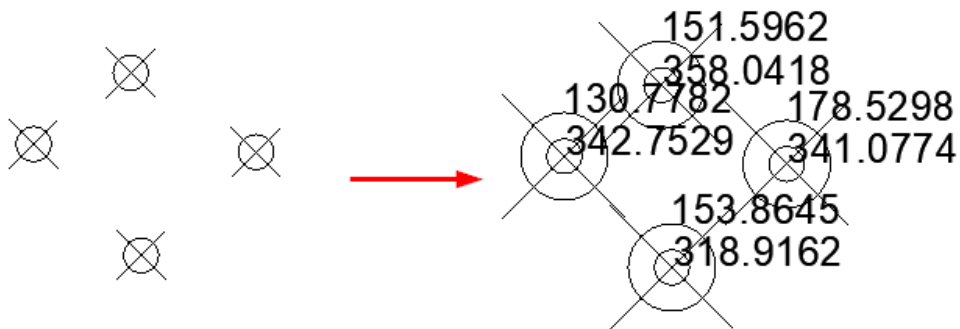
When you type the distance, a point will be made and its coordinates will be listed. You can continue inserting points or finish with Enter.



Manage lines

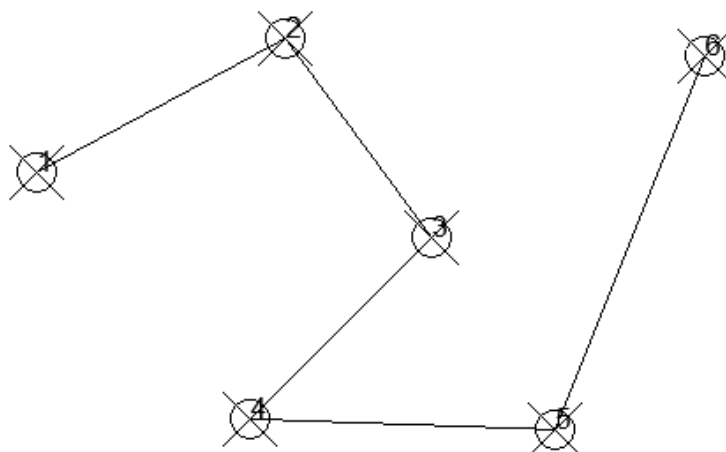
Describe objects

With this function, you can easily add values to points in your drawing. You may press S to go for setting, and then you can choose a set of values to input, for example Coordinates, Point etc.



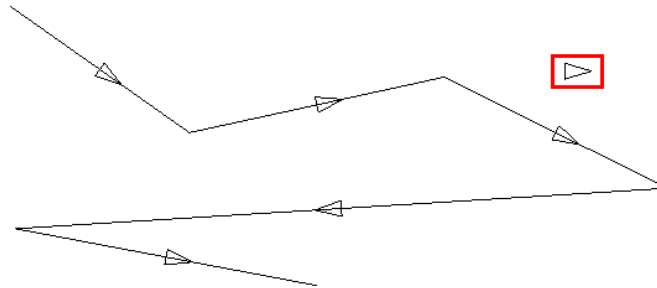
Draw by numbers

When using this function, you can draw a line through each point of your choosing. Run the command, and type points you want to be connected. You can divide points in order by a comma (,) or select more of them one by one for example 5-15.



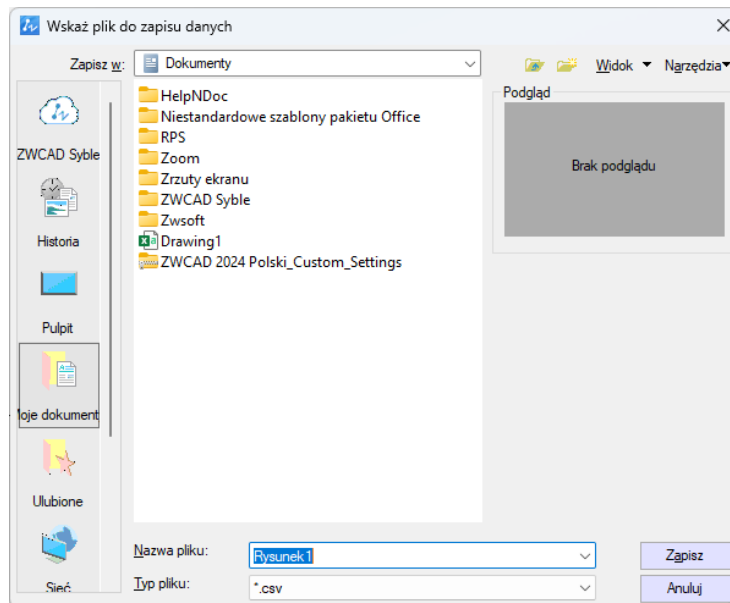
Mark middle segment of the polyline

With this function you can put a block into the middle of each section of polylines. Run the command, then click on a block that will be put in the middle of a line, and choose polylines. Confirm with Enter.



Export polyline coordinates

In order to export coordinates of polyline's points you can use this function. The program will ask for location and a file to save, in which coordinates will be saved. You can save it in .csv or .txt.



Here is how it looks after the process:

	A	B	C
1	X	Y	Z
2	1274.9220	183.3887	0.0000
3	1351.0564	129.7730	0.0000
4	1459.3602	153.3639	0.0000
5	1554.2601	106.1820	0.0000
6	1277.0666	89.0250	0.0000
7	1405.2083	64.8979	0.0000

Polyline coordinates to a table

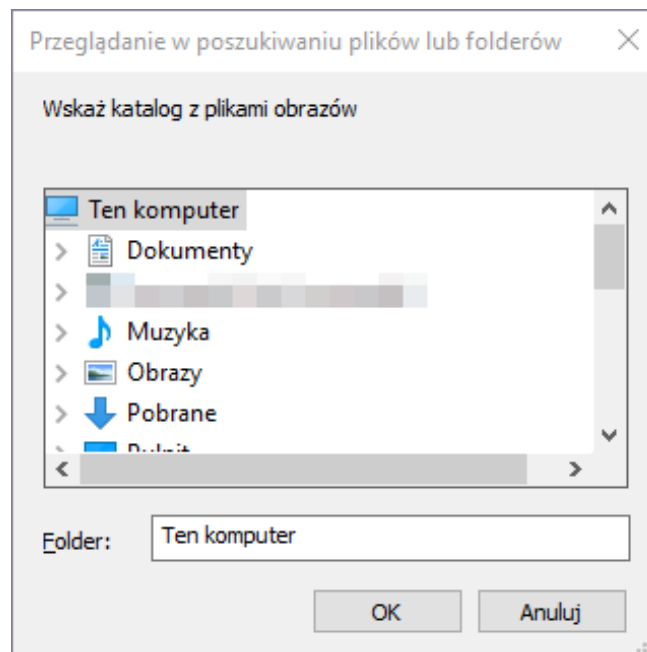
This function makes a table with coordinates of a chosen polyline. Just select polylines you want to be labelled and confirm with Enter.

Zestawienie punktów		
Pozycja X	Pozycja Y	Pozycja Z
1405.2083	64.8979	0
1277.0666	89.025	0
1554.2601	106.182	0
1459.3602	153.3639	0
1351.0564	129.773	0
1274.922	183.3887	0

Raster images

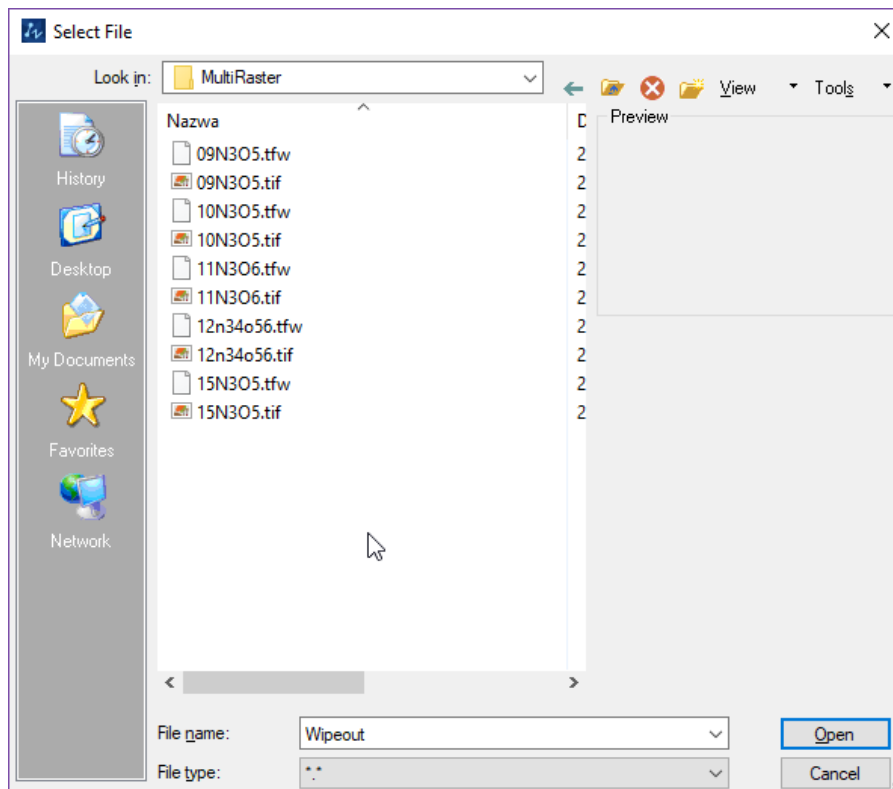
Insert all rasters from a selected folder

By this command you can export values of texts into external text file. After running the command, go to select Texts or MTexts and choose a path to text file where data will be stored.



Insert multiple raster files

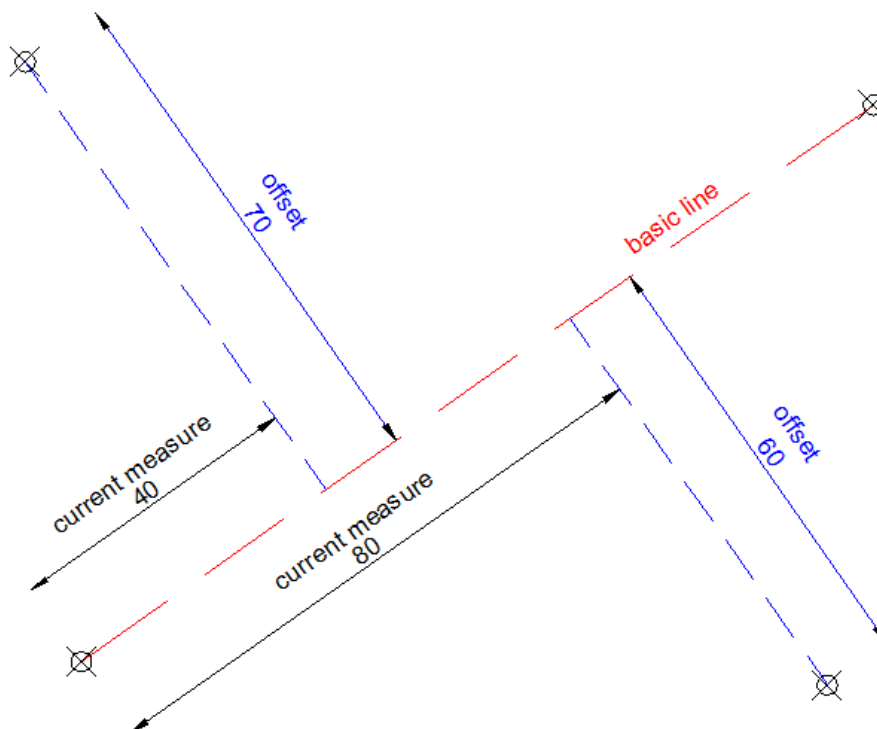
The function will let you select many raster images, and insert it automatically using positioning file.



Tools

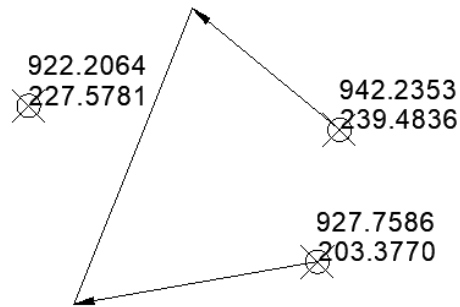
Rectangular offset

Offsets square is a function used to measure the details of a terrain. After activating the function, indicate two points on the base line. Then please specify the distance and offset. The location corresponding to the entered value will be inserted point.



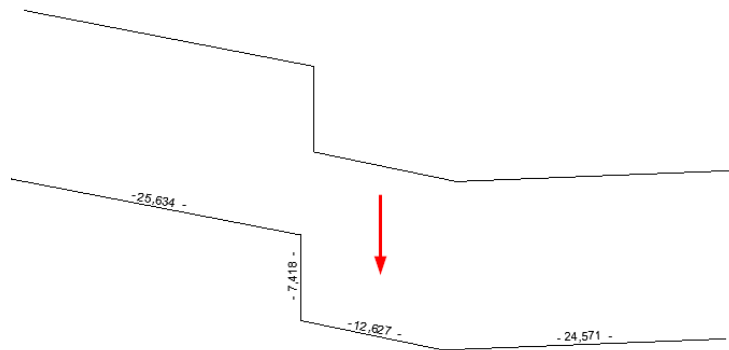
Insert coordinate description

By this command you can mark points in project by describing coordinates X and Y. The application will ask you to pick a point and insert description block in the chosen point. If you click next points, there will be leader connecting first click point with the rest of points, and description block will be always on last picked point.



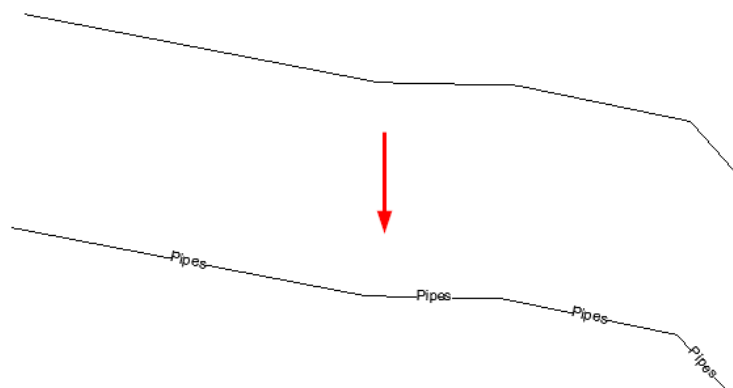
Front measure

Front measure can be used to add lengths of certain segments such as cabling or pipes.

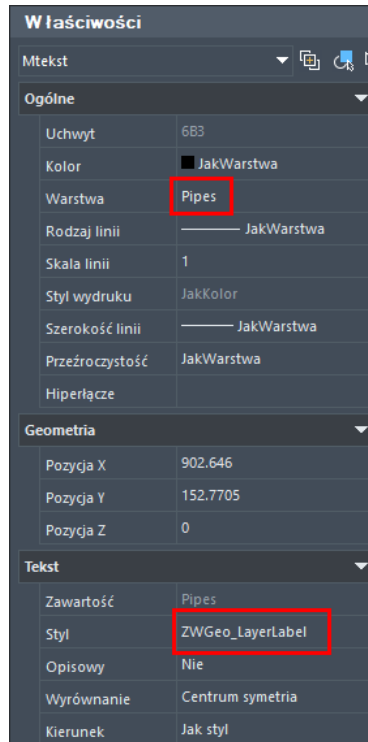


Describe conduit

After running the layer label command, you'll have to select polylines and they'll get labelled with a proper layer name in the middle of each segment:



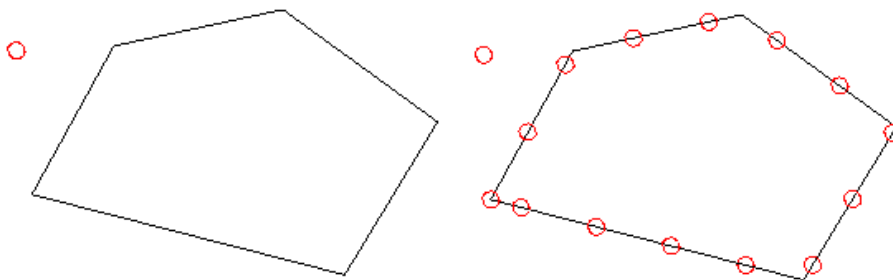
Layer label adds a description to each segment of a selected polyline as well as the name of the layer.



Mark a boundary

Draw a fence by multiple copy of selected object along selected path. To draw such fence you need to:

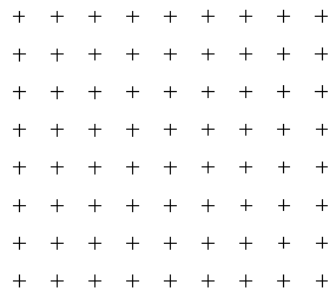
1. Draw symbol which should be copied
2. Draw axis of fence (lines or polylines).
3. Run the command.
4. Select a symbol to copy.
5. Pick a base point.
6. Write a distance between symbols or click two points.
7. Select fence objects, the same drawn on point 2.



On the picture above you can see project before and after using the command.

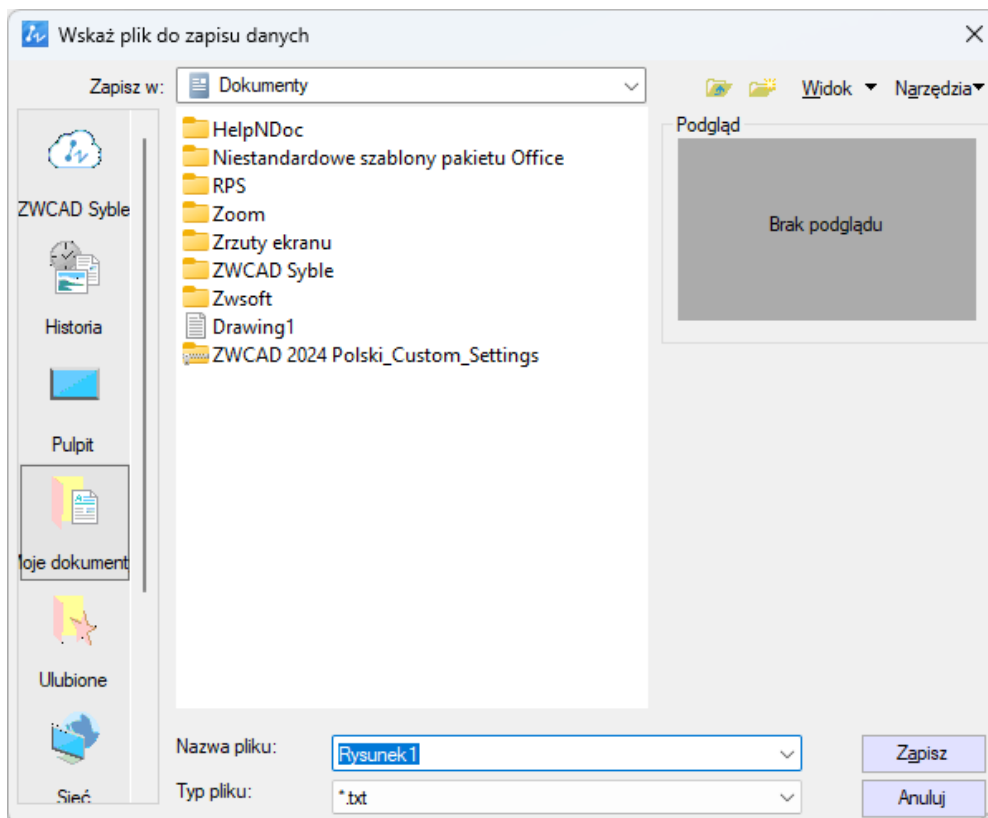
Insert a cross grid

The command will draw an array of crosses in range – windows selected by two opposite points. In the command bar you have to specify the distance between cross marks.



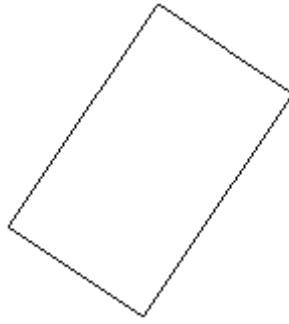
Save text in txt file

By this command you can export values of texts into external text file. After running the command, go to select Texts or MTexts and choose a path to text file where data will be stored.



Rectangle

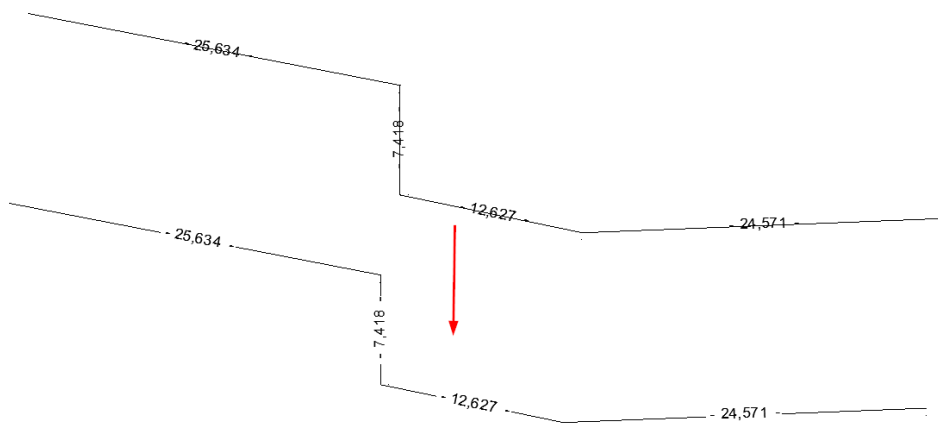
This function makes drawing rectangles at any angle. Run the command, choose an angle and height/width.



View

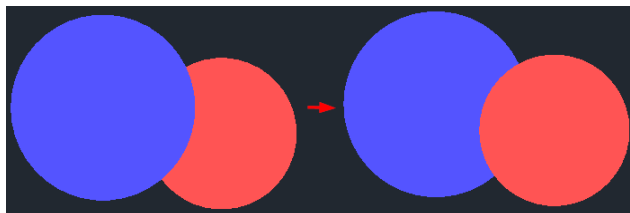
Cover elements with text

This command helps you make drawing more readable, by covering objects under MText by wipeout. All you need to do is run the command and select multiline text entity. Everything under this MText will not be visible, but it will remain there.



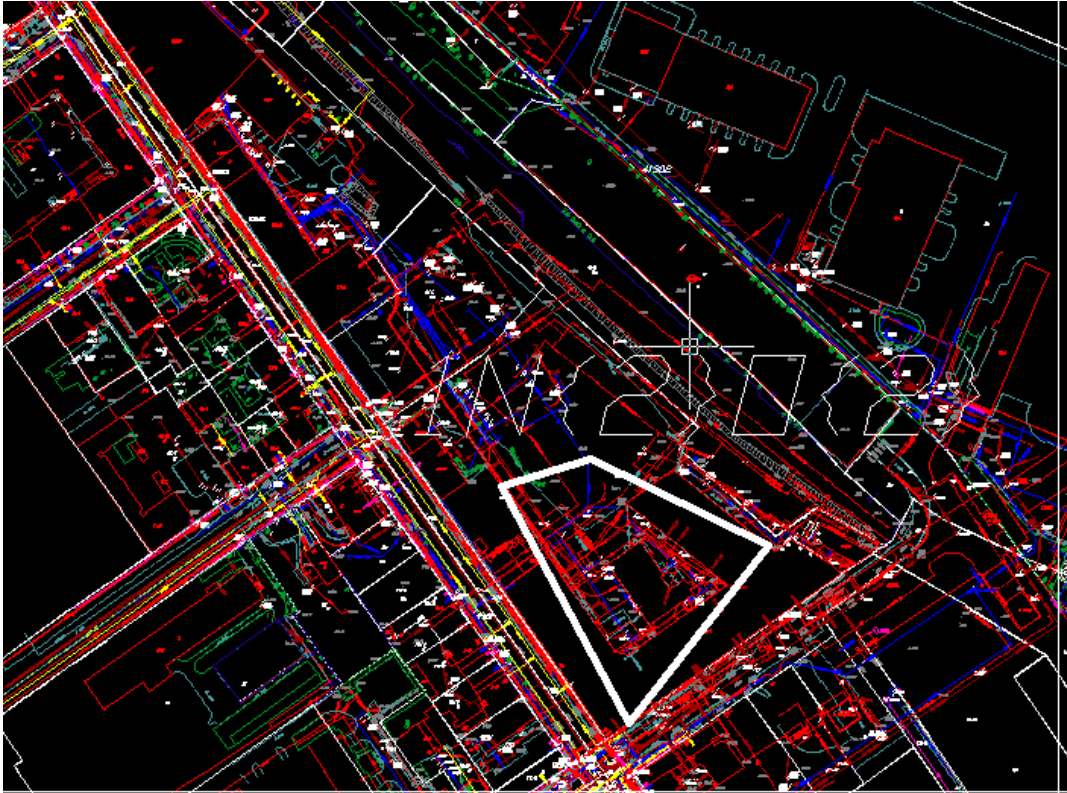
Bring forward

Just run the command and select those entities, which should be over the other ones, and then select one entity which should be at the bottom of draw order.

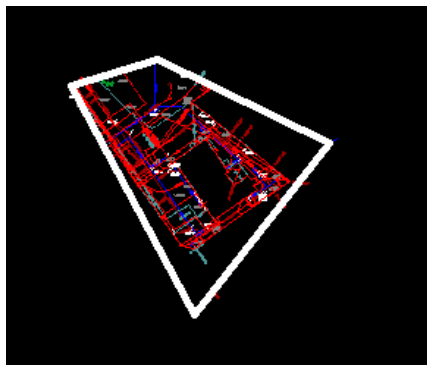


Trim Map

Maps can be cut by using a single button. Select an area outside of a closed polygon. Once the area to cut is selected (LINE, POLYLINE, ARC, CIRCLE, ELLIPSIS, IMAGE or TEXT), and there is something outside of the cut line, the effect will be similar to the one presented below:

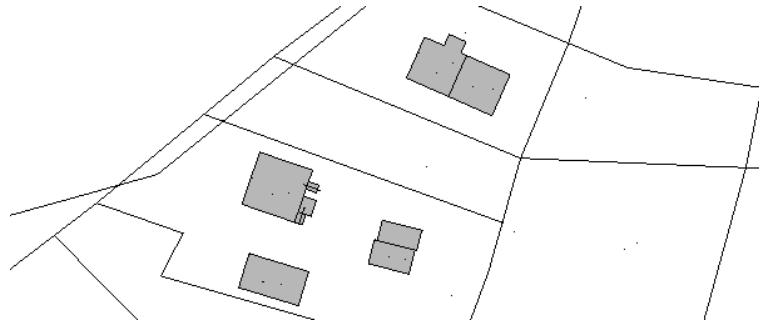


This functionality makes work much smoother and easier. Cutting maps is considered as a work improvement since at the end of the design process, almost always maps require manual cutting, as the terrain is too large and, as confirmed by many users, this part of work is the most time consuming one when working on maps.

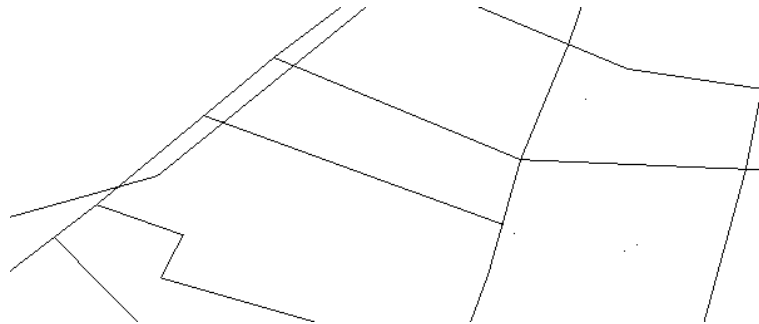


Visibility

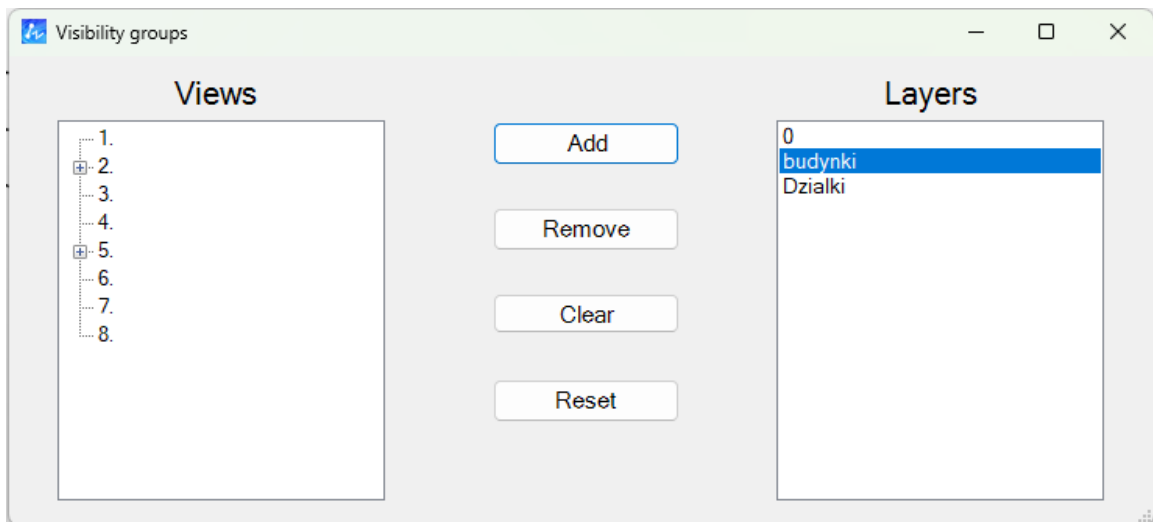
After running the command, indicate items that will be in one of the first group of objects. After selecting the items and approving by pressing Enter, previously selected objects won't be visible. To enable it you have to run the command. In this way, the user can quickly turn on and off groups of elements in the drawing. Just make sure that objects are on a different layers.



The user can make eight groups of objects in the drawing, they are formed in an analogous manner.



The function allows you to turn off or on all previously defined object groups 1-8. You can also change the assignment of visibility buttons in a specially designed options panel.



ZWGeo

Activate

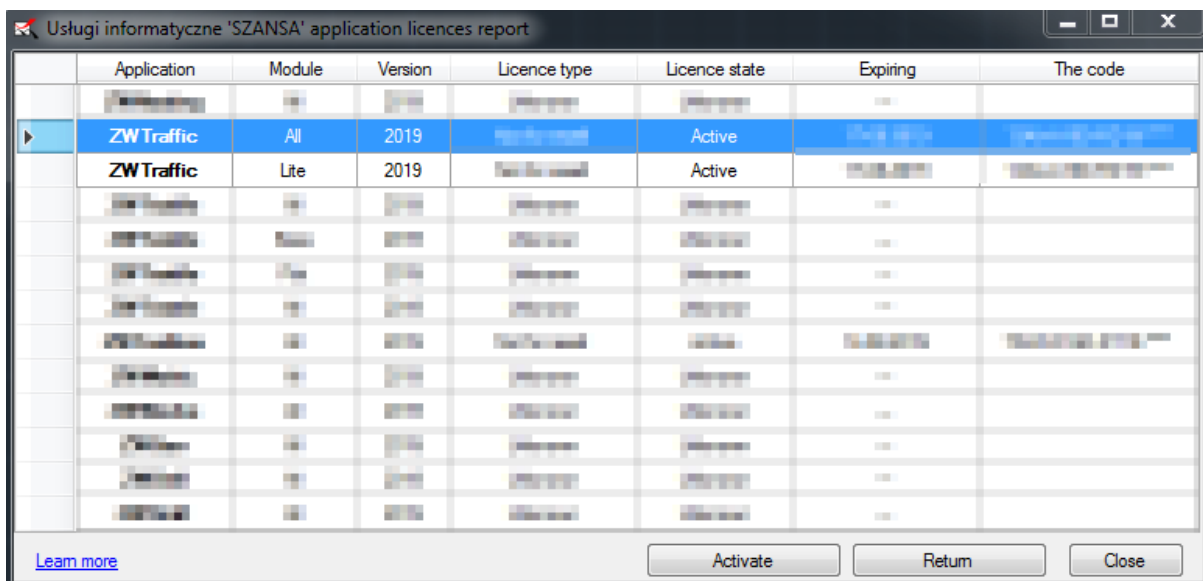
A trial period that lasts for 30 days with full functionality is available after installation of the application.

Activation must be completed on an account with administrative privileges.

Once the trial period of 30 days runs out, a licence will be needed in order to use the program. After receiving the payment, an e-mail with an activation code will be sent. Activation is available directly in ZWCAD or by using the function Activation from menu of the application. It is also possible to activate the program from its installation folder. By default located in: **C:\Szansa\Aktywator\2025\EN** and run **Aktywator_2025.exe**.

In operating systems such as Windows Vista, Windows 7, Windows 8 and Windows 10 it is necessary to right click on ZWCAD icon and select Run as Administrator.

Full licence code is only visible on the licence certificate that is sent out during completion of the order due to security reasons. Once Activator has been launched, the following window will be displayed:



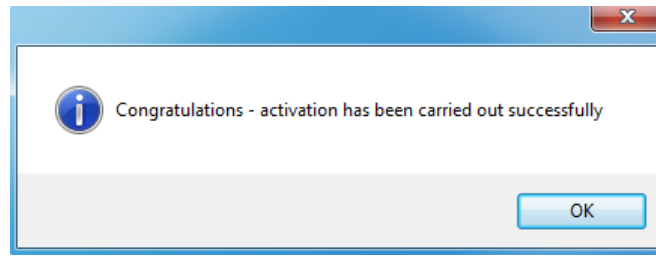
Please click on **Activate**.

A choice between activating the application online or offline will be present.

Online activation

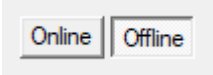
In the field **Activation code** please type in the information sent during realization of the order, afterwards click on **Activate**.

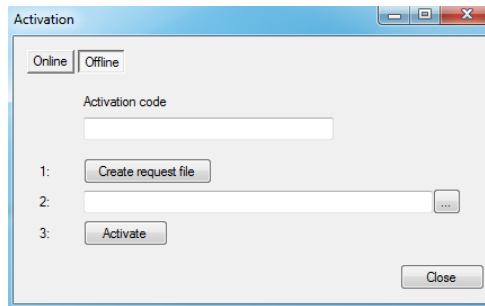
An information window will pop up confirming the activation.



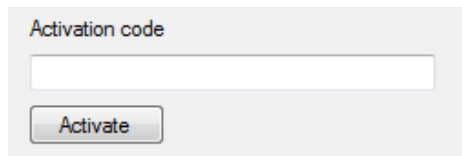
Once ZWCAD is launched, all functions of the program should be loaded and available.

Offline activation

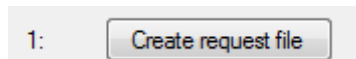
In the **Offline** tab  additional steps are required to complete the activation.



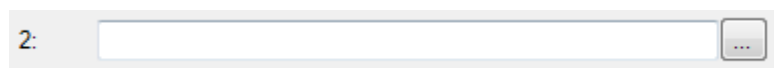
In the field **Activation code** please type in the information sent during realization of the order.




Afterwards it is necessary to click on Create a request file, it will create an additional file which needs to be saved on the desktop or in any other directory of the computer.



The file needs to be sent in a form of an attachment to, pomoc@zwcad.pl and a reply will consist of response file which then needs to be loaded in the activator:

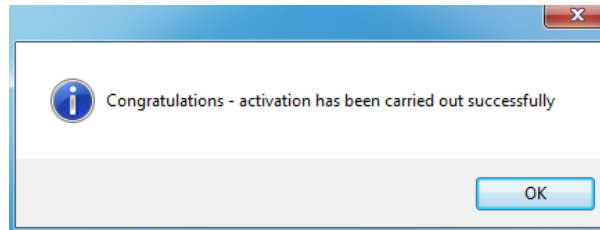


Response file needs to be saved on the computer and its localization needs to be determined by clicking on the following icon .

Once the response file is loaded, click on **Activate**.



An information window will pop up confirming the activation.

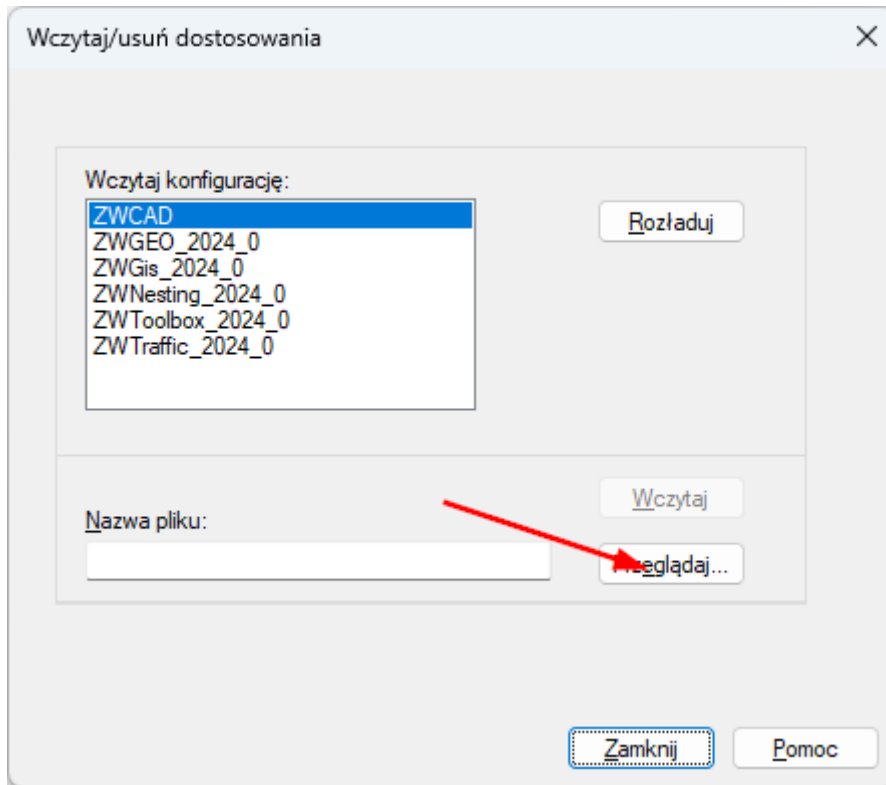


Once ZWCAD is launched, all functions of the program should be loaded and available.

Manual load

After installing the overlay, it should load automatically after running ZWCAD 2025. The functions should be available and the toolbar with the icons should be displayed. If after running ZWCAD the overlay does not appear, please follow these steps:

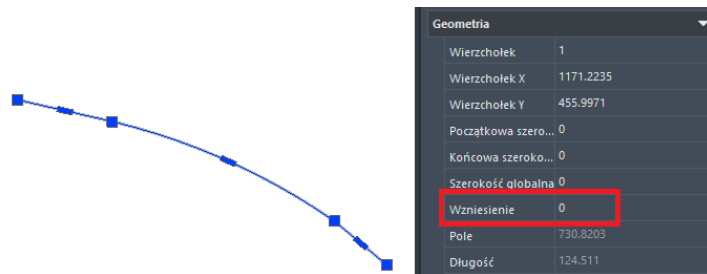
- Run the command `_menuload`.
- Press the button and select the file `ZWGeo.cuix` or `ZWGeo.cuix` located in `C:\Szansa\ZWGeo\2025\EN`. Confirm the file by clicking Add.



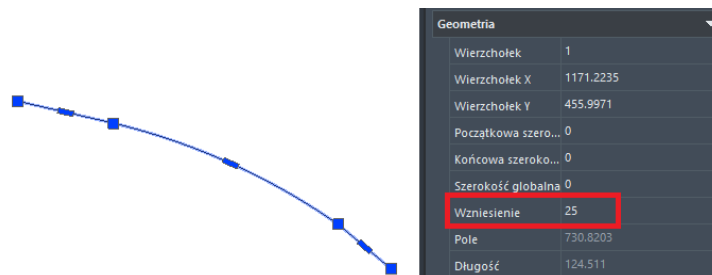
Profile

Mark Contour Lines

With this function, you can easily change a height of a contour line. To do so, run the command and click on a line, then type its value. The Z parameter will be changed.



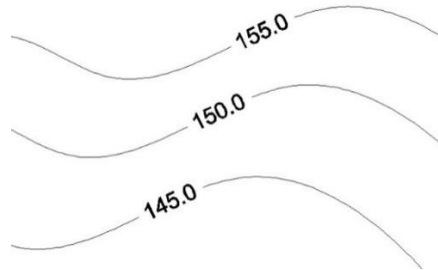
The picture before and after said function is used.



In case of problems, convert your contours to Light Polylines with a CONVERTPOLY command.

Label Contour Line

The function labels contour lines. After running the command, make a line that will go through your chosen lines. In each place that contour crosses with this function's line, a description of its height will be placed.

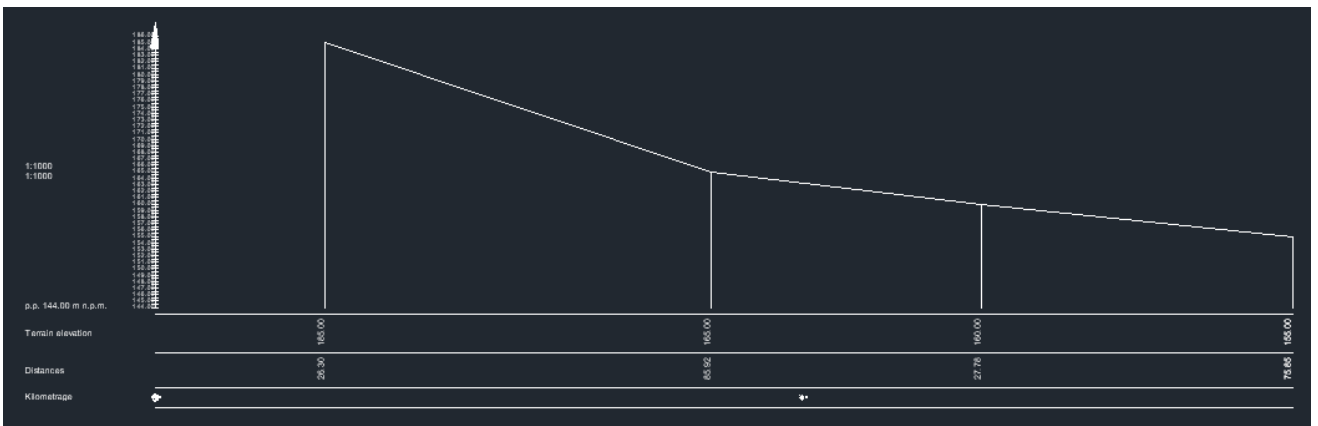


In case of problems, convert your contours to Light Polylines with a CONVERTPOLY command.

Draw Profile

To draw a longitudinal profile, run the command and select contour lines. Then, draw a line you want to be a profile, and insert it to the drawing.

In case of problems, convert your contours to Light Polylines with a CONVERTPOLY command.

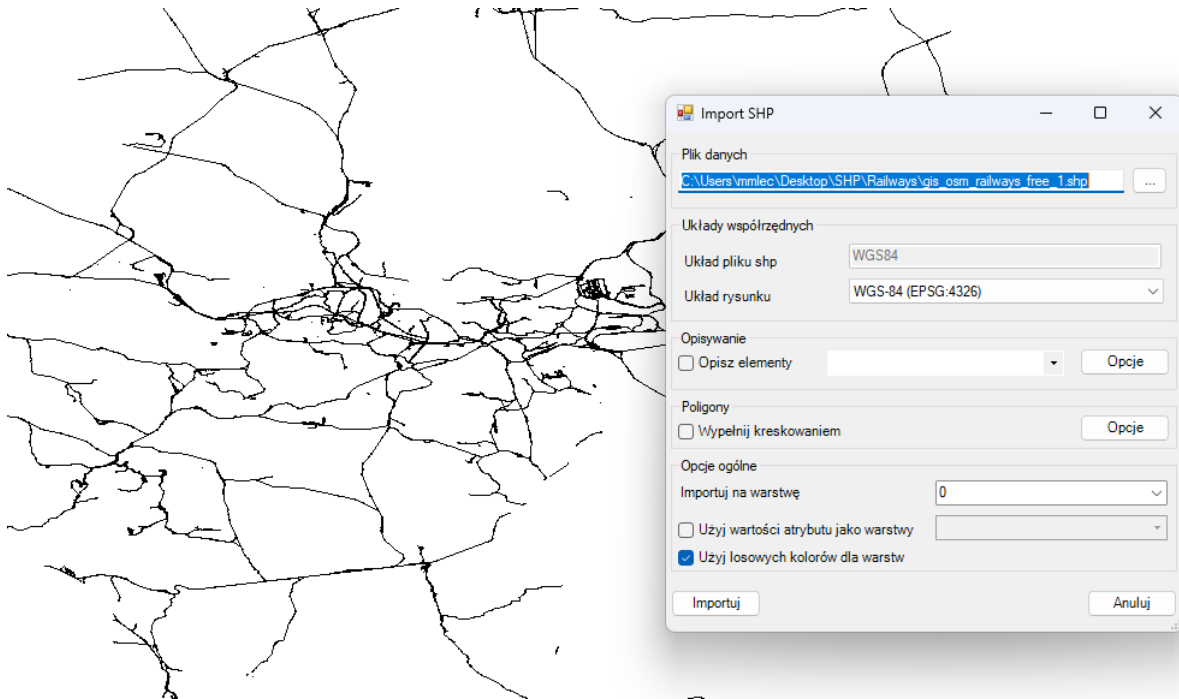


ZWGis

Import/Export

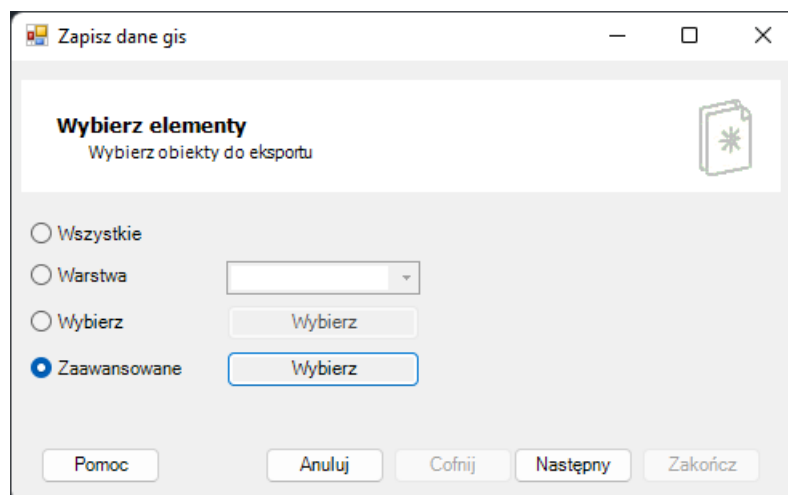
Import SHP

With this tool you can import .shp file to the drawing. Run the command, choose a file and click Import. You can also label with one category of the file or fill with hatch.

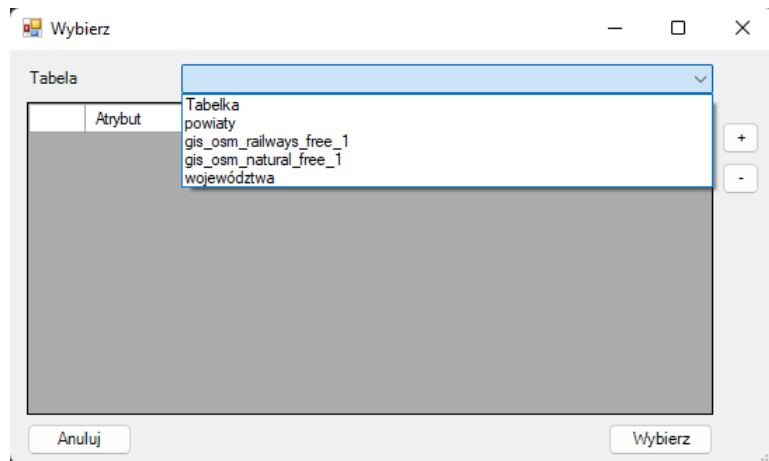


Export SHP

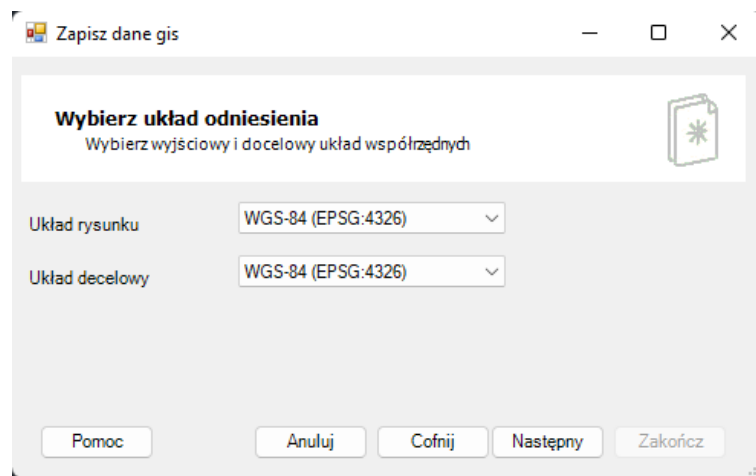
With this function you can export elements of the project with set values. Run the command so the window will pop out:



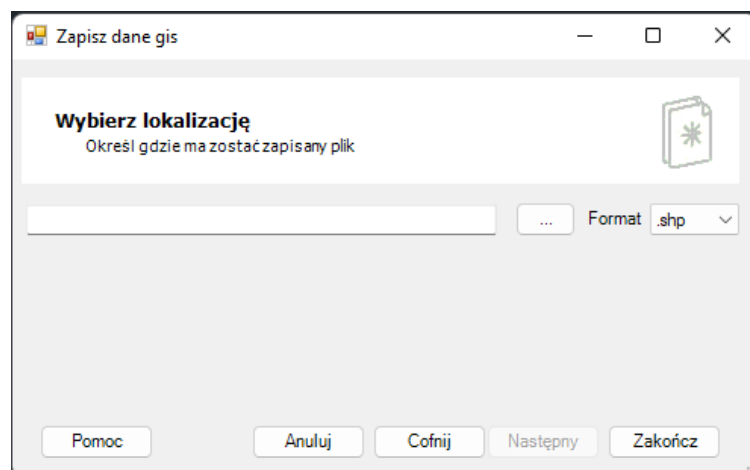
You can choose to export all, one layer, selected elements or one table.



In next window you should choose a reference systems to save to.



With last window, all there is to do is choose a location of the file to be saved in.



Data

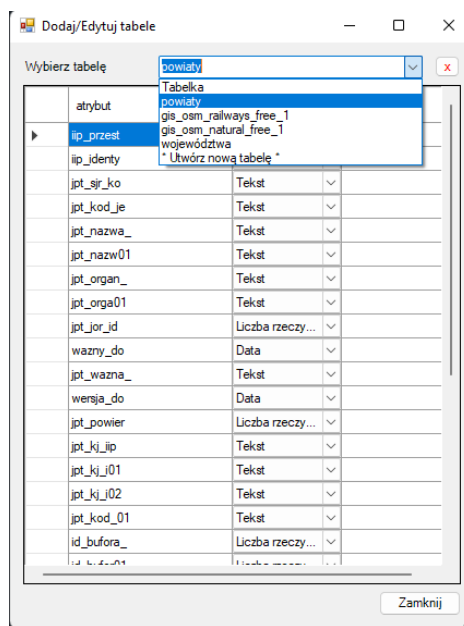
Gis data panel

With this command you can turn on the Gis data panel on.



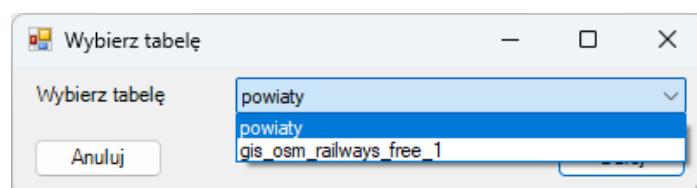
Data: Table edit

You can use this function to create or edit a table, that is used to label objects in your drawing.



Data: Add data

This function allows you to add a point or polyline to a table. After running the command, just point at proper table and object.



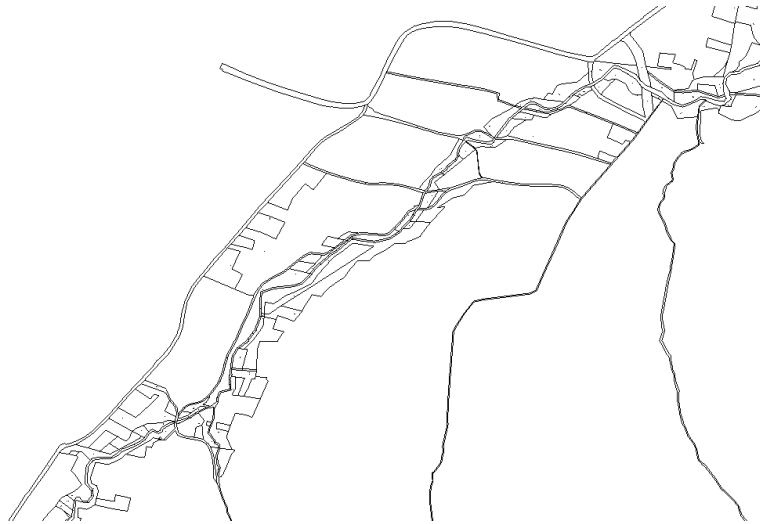
Data: Remove data

You can use this command to remove any element off the table. Run the function, then select proper elements and confirm with Enter.

GML

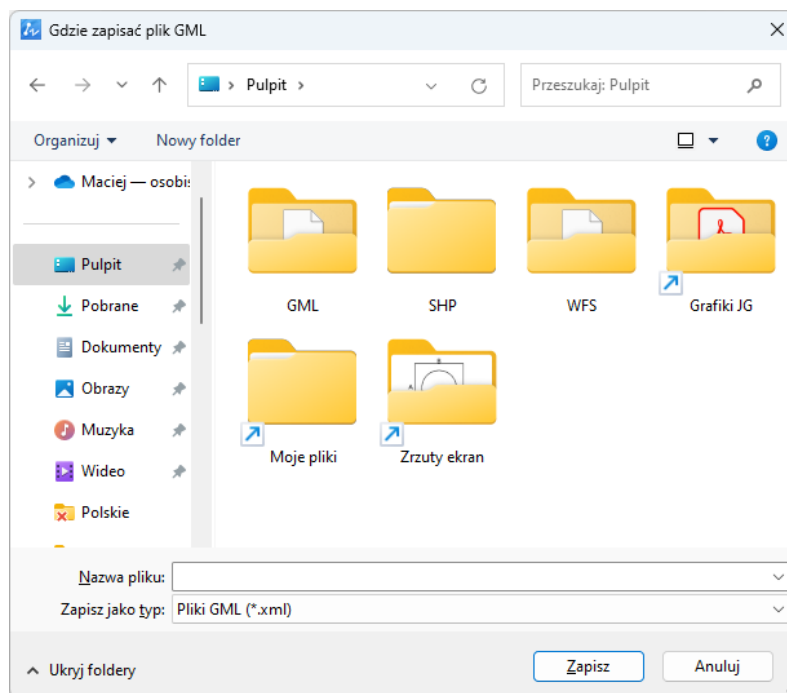
GML Import

This function can import a GML file into a drawing.



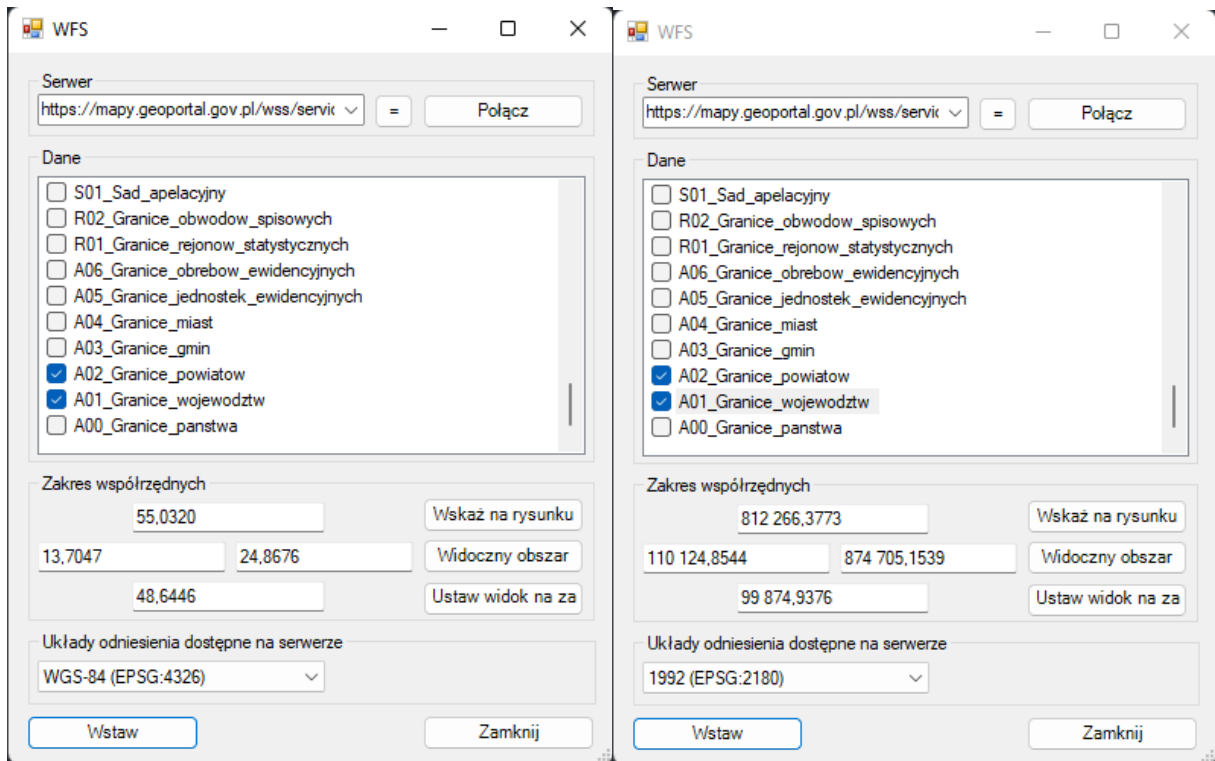
GML Export

This function can be used to export a piece of a drawing into GML file. You need to start the command, and then select needed elements, then press Enter.



WFS Import

You can use this function to insert WFS data from a server directly into your drawing. In order to do so, you need to copy an address of a service to the top box and connect.



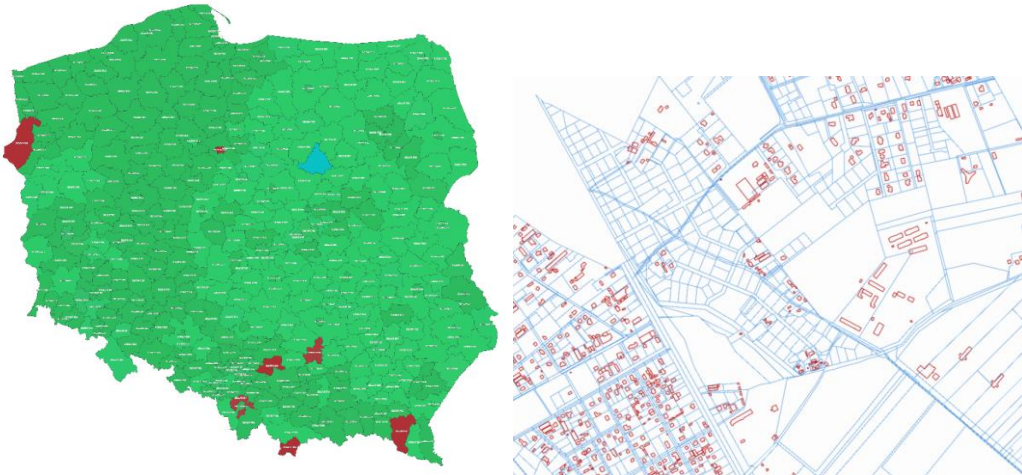
Here is the effect of importing WFS map with Polish borders.



WMS

WMS_Import

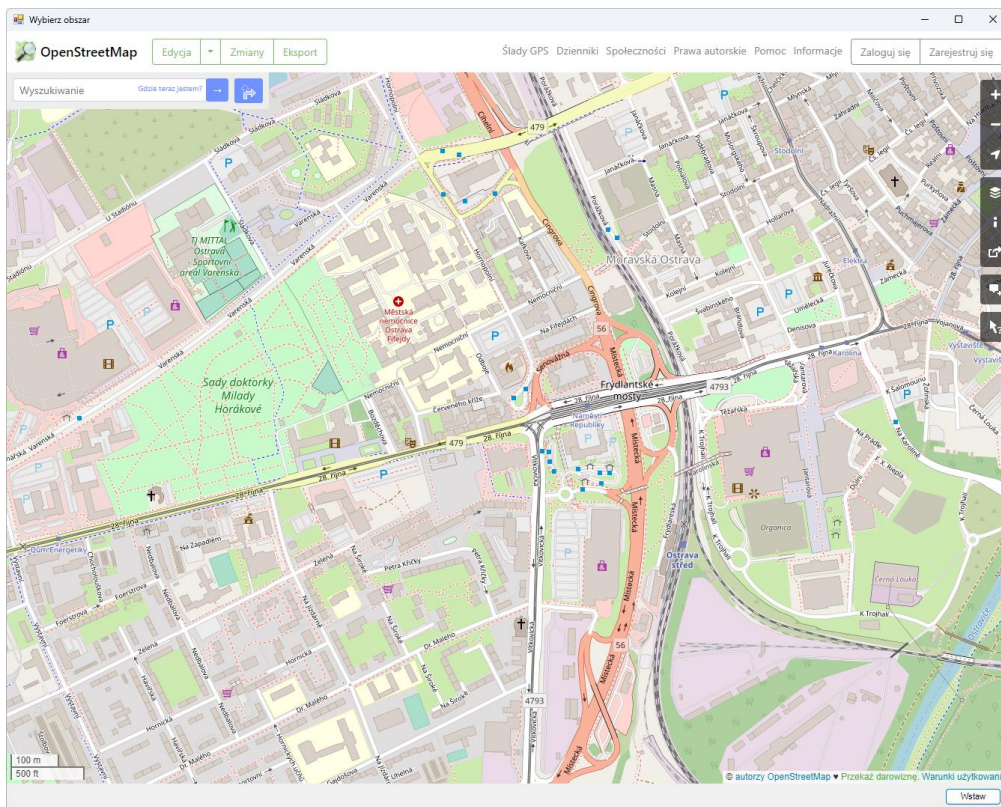
With this function you can import WMS map from Polish servers. You can choose a server and decide which features are to be imported.



OSM

OpenStreetMap

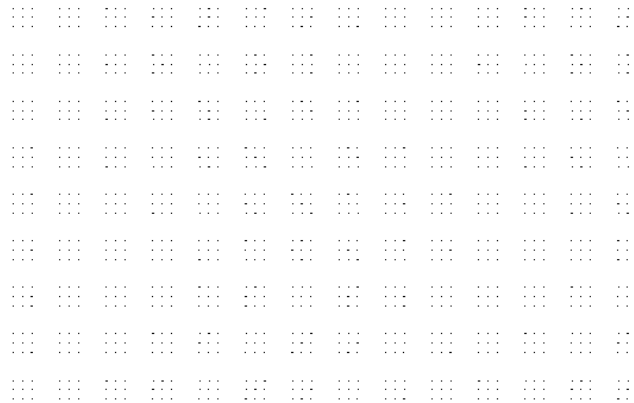
This function enables you to insert a map as a raster image from any place using OpenStreetMaps. After running the command, open a map you want to be placed and click Insert. You may have to choose a reference system as well.



H

H

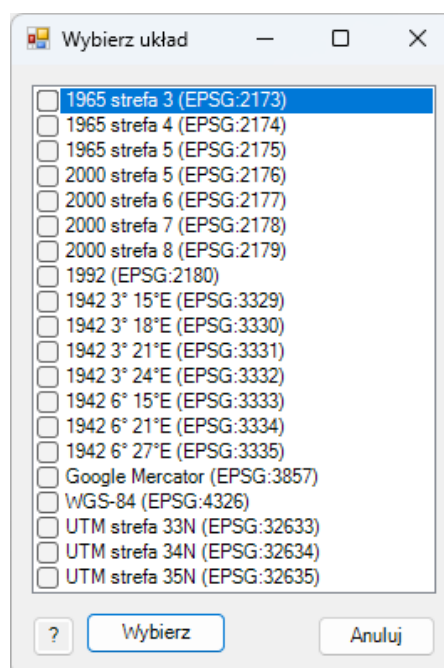
With this function you can easily set up points or blocks in the drawing, or copy them to fill an area. After running the command, choose a point or a block to be copied, then start inserting them. You can also type A as Area in command tab to fill a rectangular area with your objects. You can also type D as Density to control distance between elements.



Reference systems

Set reference systems

You can set a reference system in your drawing with this command. The window will pop out, in which you can choose the system you need.

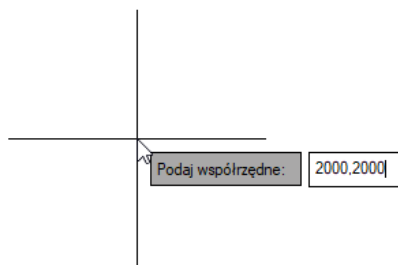


Transform drawing

With this function you can convert reference system in your drawing into another geodetic reference system. After executing the command and choosing a new system, a copy of it will be saved with date and time, and the current drawing will be converted into the new reference system.

Mark coordinate

You can use Mark coordinate function to insert a point into your drawing from another reference system. The system will ask for a system and then for coordinates to insert.



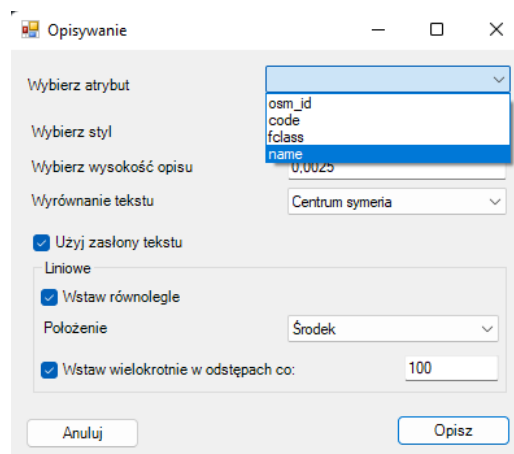
Here is an example of inserted point, labelled in two reference systems:

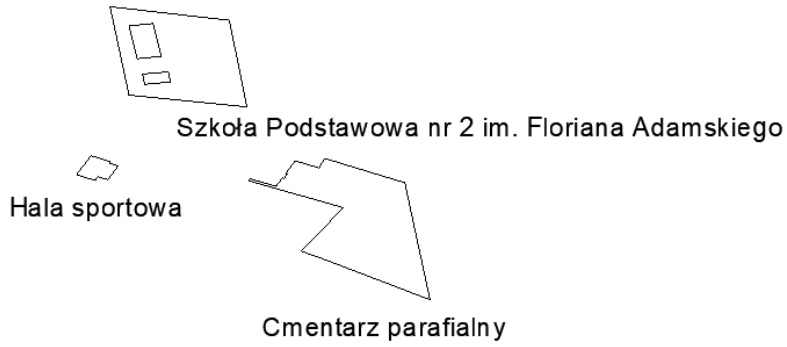
~~2000(15): 2000,2000~~
 2000(24): 2400,16619297023,1472250,46303924

Tools

Label

Label function is for inserting a description of a point that is available for it. After running the command, select the objects and choose the attribute.





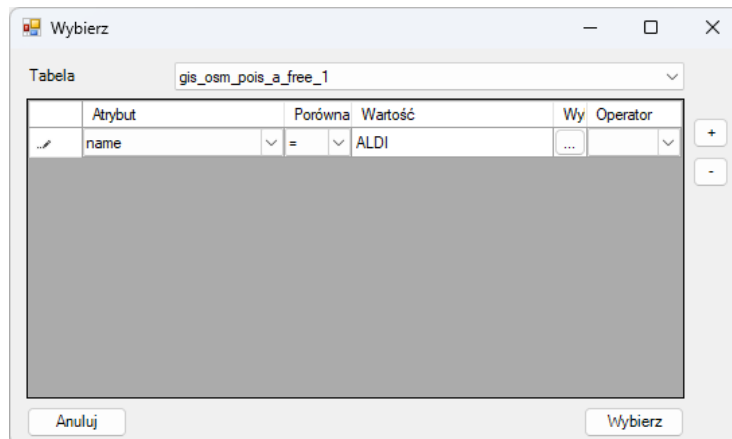
Report

The Report command creates an editable table in a drawing. You need to select the elements you want to be placed and confirm with Enter.

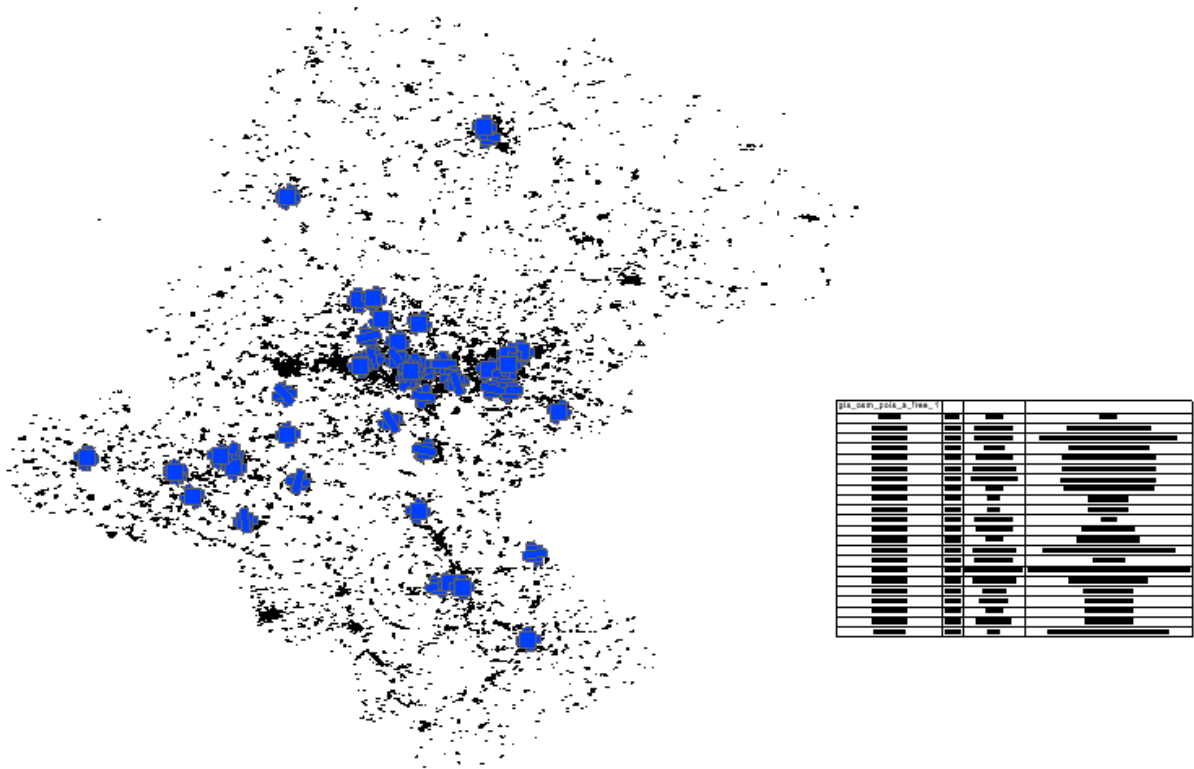
gis_osm_pois_a_free_1			
osm_id	code	fclass	name
770396316	2083	kindergarten	Przedszkole Miejskie nr 27
747454371	2083	kindergarten	Przedszkole Akademia Kolorowych Podróży
700129963	2082	school	Szkola Podstawowa nr 17
549207655	2744	theme_park	Centrum Rozrywki Sosnowiec
549207655	2251	sports_centre	Centrum Rozrywki Sosnowiec
469455864	2541	car_dealership	Skoda Auto Śliwka Sosnowiec
427792938	2950	to_wer	Dawna wieża transformatora
398213757	2204	park	Park Sielecki
398213756	2204	park	Park Sielecki
248842594	2501	supermarket	ALDI
193684679	2404	guesthouse	Pensjonat Sielec
193684541	2402	motel	Okraglak Residence
189308365	2251	sports_centre	Centrum wspinaczkowe Sport Poziom 450
180841320	2501	supermarket	Biedronka
180816934	2012	community_centre	Sosnowieckie Centrum Organizacji Pozarządowych
133017945	2251	sports_centre	MOSiR Kąpielisko Sielec
133002047	2256	stadium	Stadion Zimowy
133002039	2721	attraction	Zamek Sielecki
133002039	2731	castle	Zamek Sielecki
133002039	2014	arts_centre	Zamek Sielecki
70083988	2504	mall	Centrum Handlowe Plejada Sosnowiec

Select

You can use the Select function in order to select elements from one group. Just turn on the command and select a group from your table. All of the objects in this group will be selected.

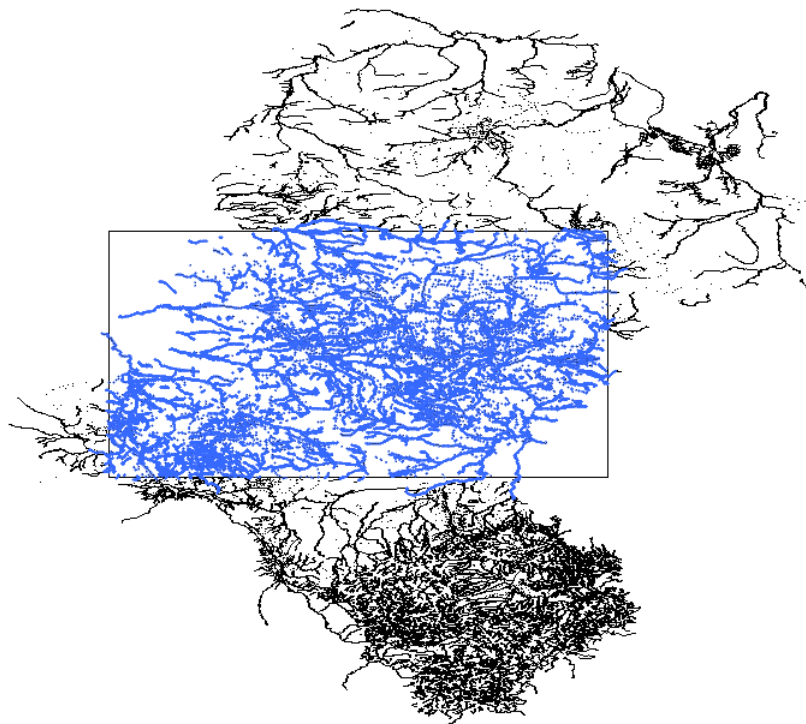


In this example, all ALDI buildings in the area were selected:



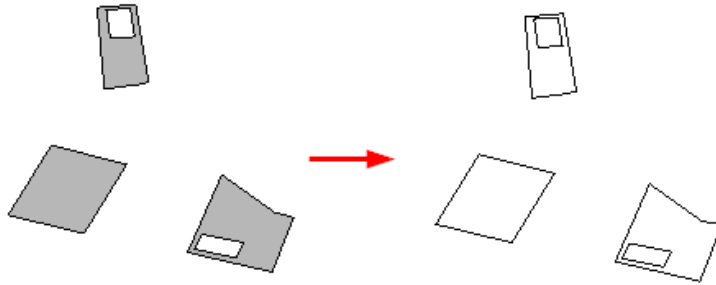
Select by area

You can use this function to select points or lines inside an area. Run the command, select the rectangular frame and all the objects inside will be selected.



Turn on/off fill

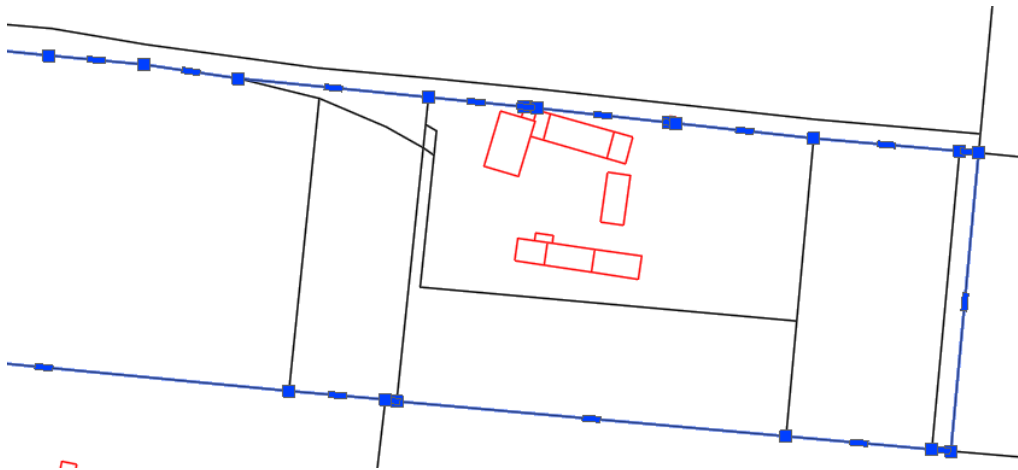
You can turn filling of objects on or off with this command.



Selection

Select inside polyline

This function allows all objects that are inside the selected polyline but not adjacent to it to be selected.

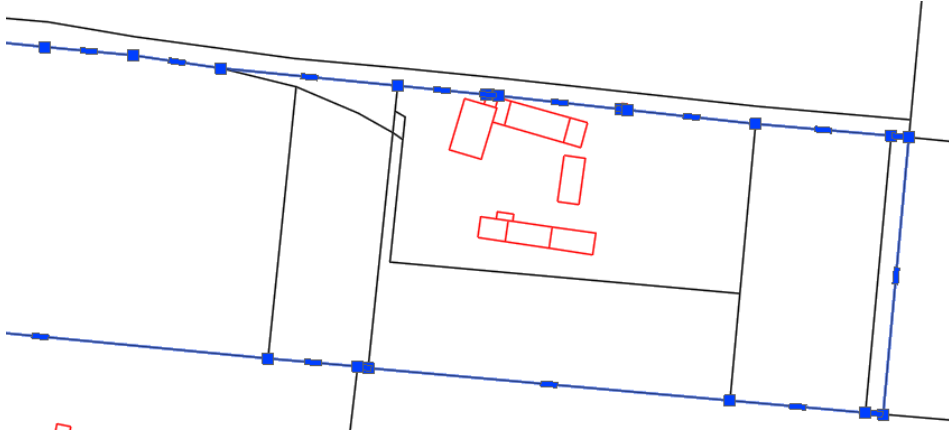


Here is the effect of the command after choosing the selected polyline.



Select crossing polyline

This function allows all objects that are inside the selected polyline but also adjacent to it to be selected.

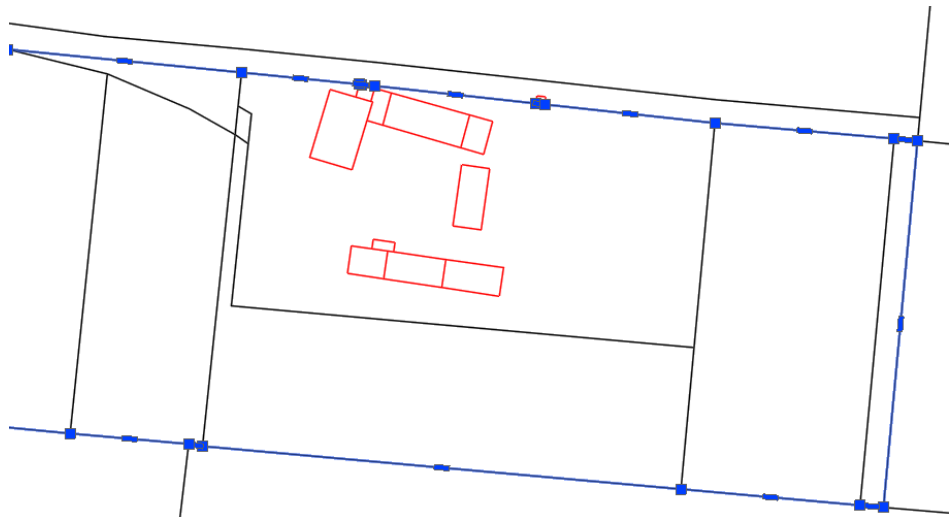


Here is the effect of the command after choosing the selected polyline.

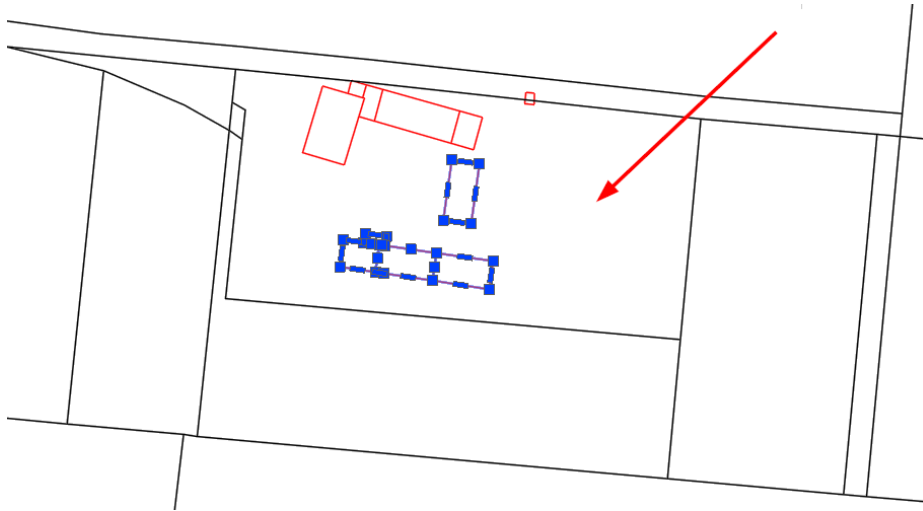


Select inside by point

This function allows all objects that are inside some enclosed area but are not adjacent to the boundary to be selected.

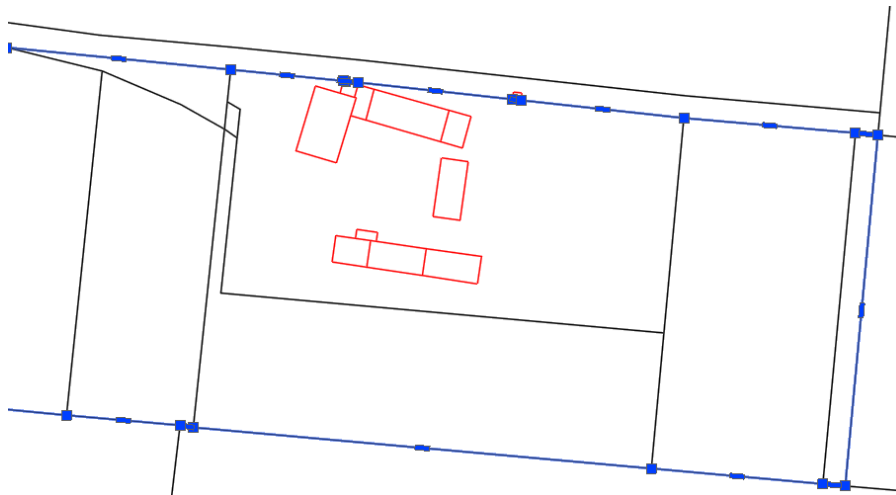


When a point inside the enclosed area is selected, the function will select all objects that are entirely within it and are not in contact with the boundary.

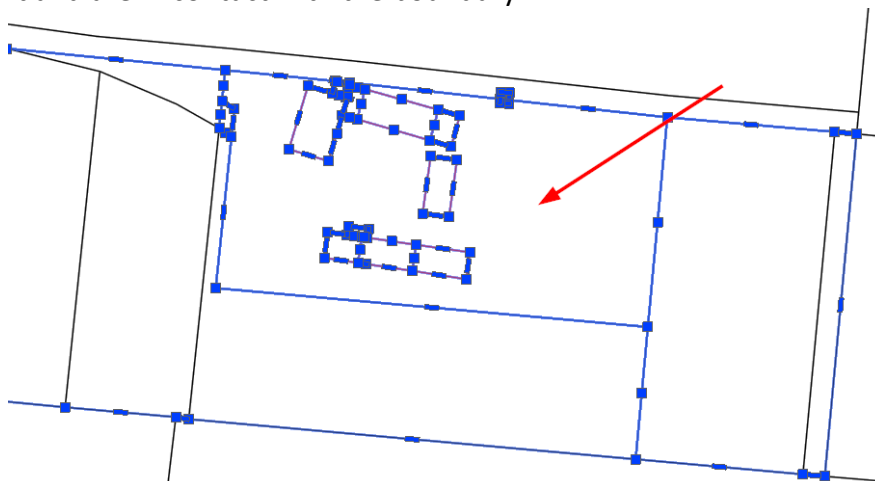


Select inside and crossing by point

This function allows all objects that are inside some enclosed area or crossing the boundary to be selected.



When a point inside the enclosed area is selected, the function will select all objects that are entirely within it and are in contact with the boundary.

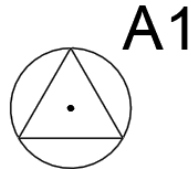


ZWMaps

PRPOG

Horizontal fundamental geodesic network

This function allows you to insert a warp mark. Run the command, enter the number and select the insertion point.



Horizontal base geodesic network

This function allows you to insert a warp mark. Run the command, enter the number and select the insertion point.



Fundamental height geodesic network

This function allows you to insert a warp mark. Run the command, enter the number and select the insertion point.



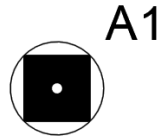
Vertical geodesic network

This function allows you to insert a warp mark. Run the command, enter the number and select the insertion point.



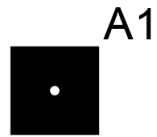
Fundamental gravimetric geodesic network

This function allows you to insert a warp mark. Run the command, enter the number and select the insertion point.



Gravimetric base geodesic network

This function allows you to insert a warp mark. Run the command, enter the number and select the insertion point.



Fundamental magnetic geodesic network

This function allows you to insert a warp mark. Run the command, enter the number and select the insertion point.



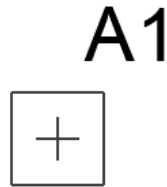
Base magnetic geodesic network

This function allows you to insert a warp mark. Run the command, enter the number and select the insertion point.



Detailed horizontal geodesic control network

This function allows you to insert a warp mark. Run the command, enter the number and select the insertion point.



Detailed height geodesic control network

This function allows you to insert a warp mark. Run the command, enter the number and select the insertion point.



PRG

Country border

With this function, you can easily change a polyline to mark a national border. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Voivodeship border

With this function, you can easily change a polyline to mark the boundary of a voivodeship. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



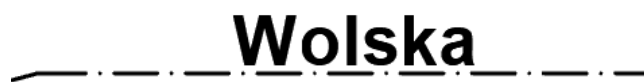
District border

With this function, you can easily change a polyline to mark a district boundary. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Commune border

With this function, you can easily change a polyline to mark a commune boundary. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



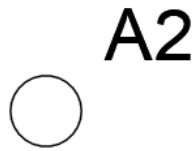
Permanently stabilized state point of the state border

This function allows you to insert a boundary point marker. Run the command, enter the number and select the insertion point.



Permanently stabilized intermediate point of the state border

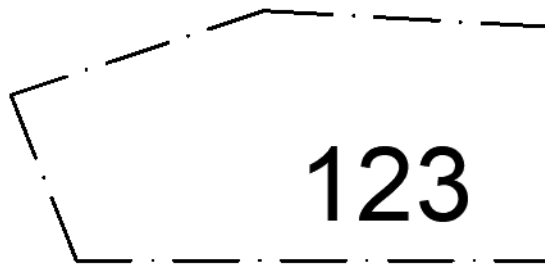
This function enables the insertion of an intermediate state border point marker. Run the command, enter the number and select the insertion point.



Land and building records

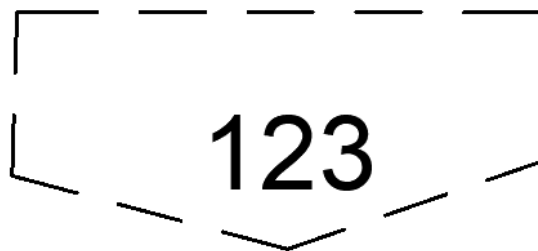
Cadastral unit

With this function, it is easy to change a polyline to a cadastral unit. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



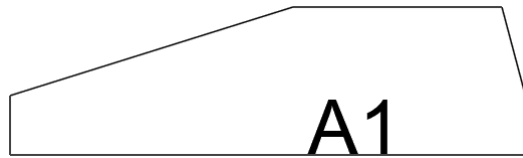
Cadastral precinct

With this function, it is easy to change a polyline to a cadastral precinct. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Cadastral parcel

With this function, it is easy to change a polyline to a cadastral precinct. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



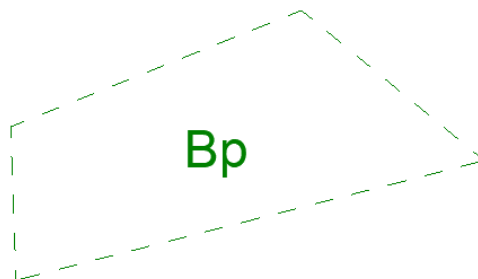
Border point

This function allows you to insert a boundary point marker. Run the command, select the type and indicate the insertion point.



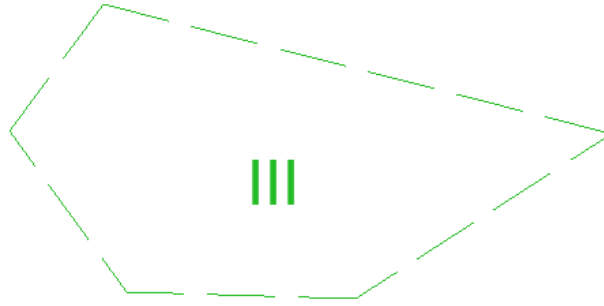
Land use outline

With this function, you can easily change a polyline to a land use contour marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



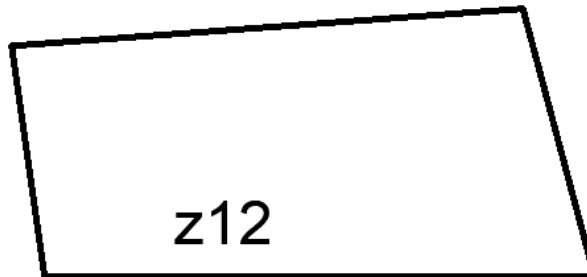
Classification outline

With this function, you can easily change a polyline to a classification outline marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



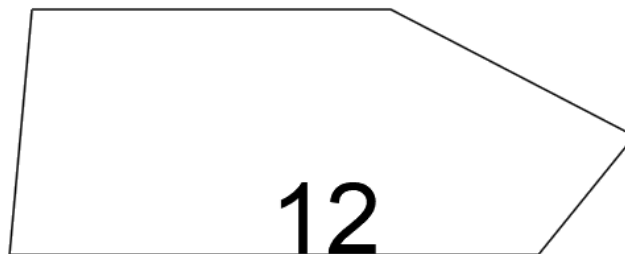
Building

With this function, you can easily change a polyline to a building designation. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



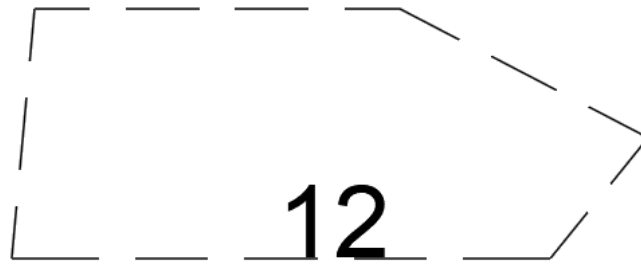
Above ground storey

With this function, a polyline can be easily changed to a ground floor designation. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



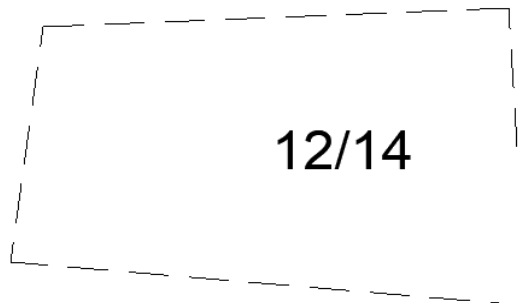
Underground storey

With this function, you can easily change the polyline to mark the underground storey. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Connector

With this function, it is easy to change a polyline to a connector marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



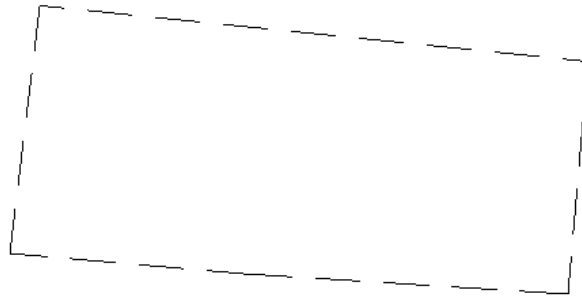
Overhang

With this function, you can easily change a polyline to an overhang marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



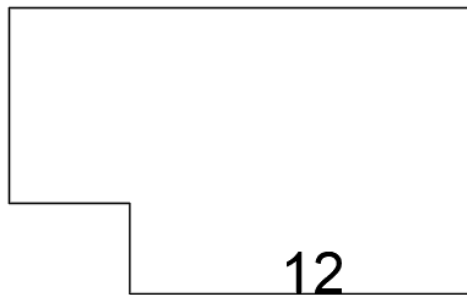
Building passage

With this function, you can easily change a polyline to mark a building crossing. Simply select the command and point to the object, or select D for Draw from the command line to manually create the marking.



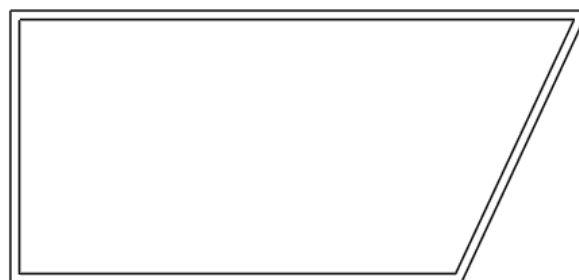
Different type of block

With this function, you can easily change a polyline to mark a different type of block. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Terrace

With this function you can easily change a polyline to a terrace marking. Simply select the command and point to the object or select D for Draw from the command line to manually create the marking.



Porch

With this function, you can easily change a polyline to mark a veranda or porch. Simply select the command and point to the object or select D for Draw from the command line to manually create the marking.



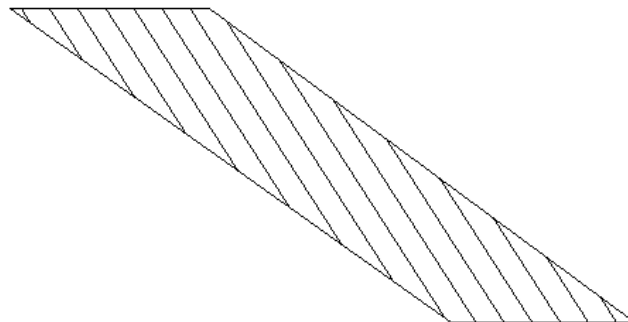
Vestibule

With this function, it is easy to change a polyline to a windfall marking. Simply select the command and point to the object or select R for Draw from the command line to manually create the marking.



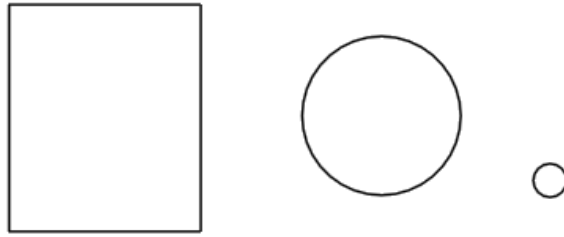
Stairs

With this function you can easily change a polyline to a staircase marking. Simply select the command and point to the object or select D for Draw from the command line to manually create the marking.



Pillar

With this function, you can easily change a polyline to a support marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw one of the support shapes manually.



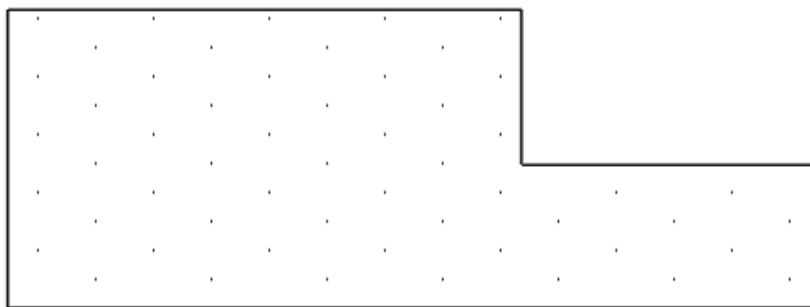
Ramp

With this function, you can easily change a polyline to a ramp marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



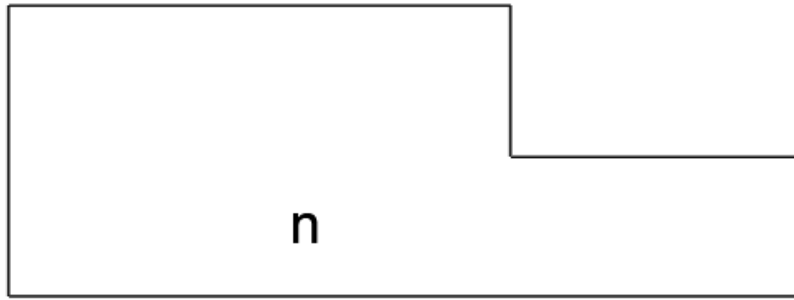
Entrance to the underground

With this function, you can easily change a polyline to mark an underground entrance. Simply select the command and point to the object or select D as Draw from the command line to manually create the marking.



Ramp for disabled people

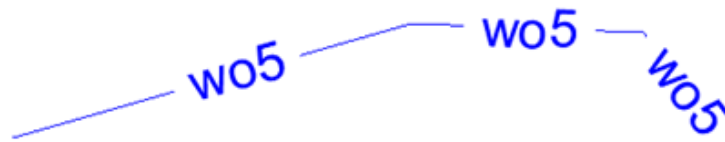
With this function, a polyline can be easily changed to mark a ramp for the disabled. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Geodetic record of land utilities networks

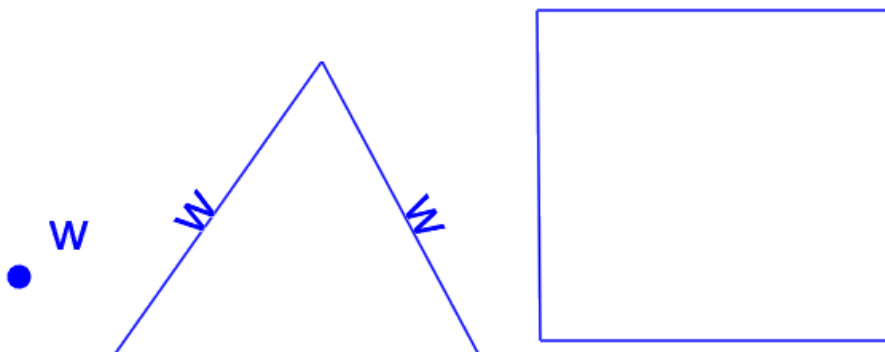
Water pipe

With this function, it is easy to change the polyline to a water pipe designation. Simply select the command, enter the diameter of the pipe and indicate the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



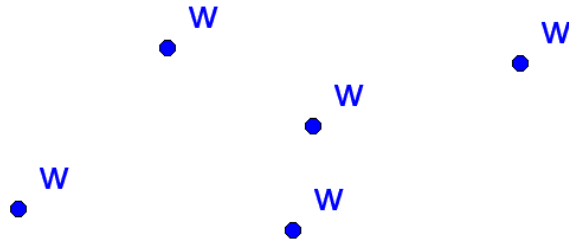
Water supply technical device

With this function, you can easily change a polyline to mark a water supply technical facility. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a line, point or polygon manually or enter a description.



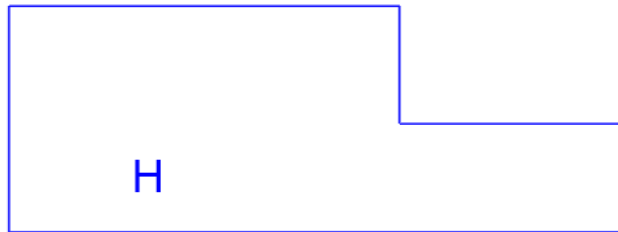
Valve

With this function, you can easily insert the designation of a gate or valve. Simply select the command and indicate the position on the drawing.



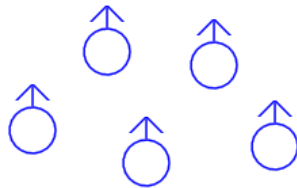
Hydrophore plant

With this function, it is easy to change the polyline to the hydro plant marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



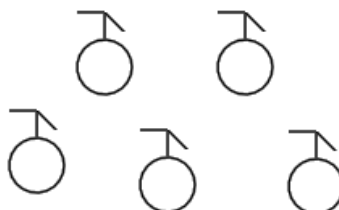
Hydrant

With this function, you can easily insert a hydrant marking. Simply select the command and indicate the location on the drawing.



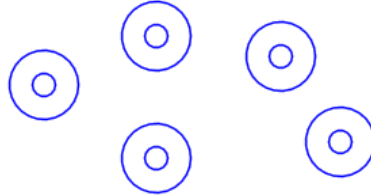
Street spring

With this function, it is easy to insert the designation of a street spring. Simply select the command and indicate the location on the drawing.



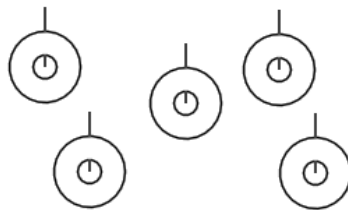
Ordinary well

With this function, you can easily insert a well marking. Simply select the command and indicate the location on the drawing.



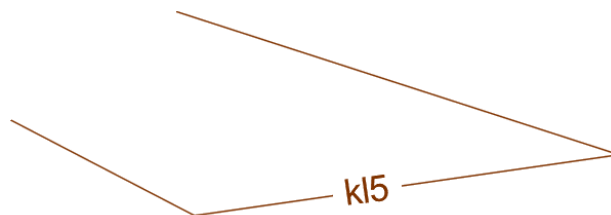
Deep well

With this function, it is easy to insert a deep well marking. Simply select the command and indicate the location on the drawing.



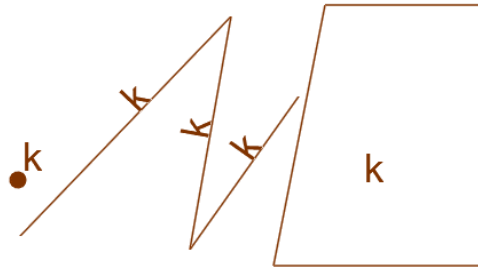
Sewage pipe

With this function, you can easily change a polyline to mark a sewer pipe. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



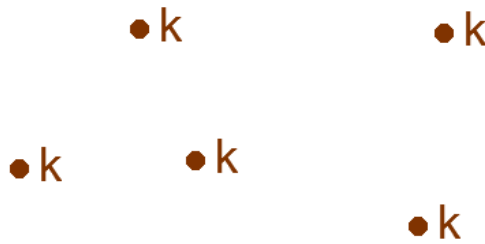
Sewage technical device

With this function, you can easily change the polyline to the designation of a sewer technical device. Simply select the command, enter the diameter and indicate the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Valve

With this function, you can easily insert the designation of a gate or valve. Simply select the command and indicate the position on the drawing.



Sewage well

With this function, you can easily change the polyline to mark a sewer manhole. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



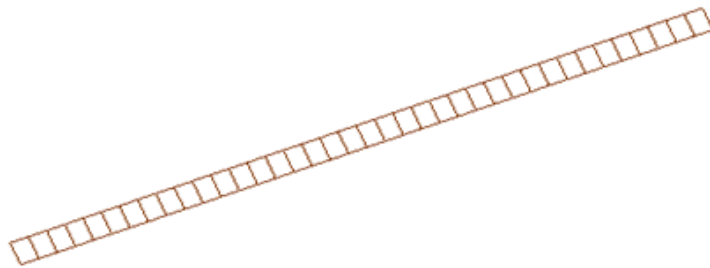
Sewage grate

With this function, it is easy to change a polyline to a drain marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



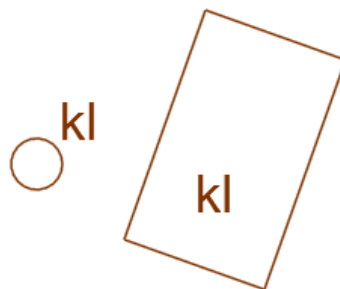
Linear drainage

With this function, it is easy to change a polyline to a linear drain marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually.



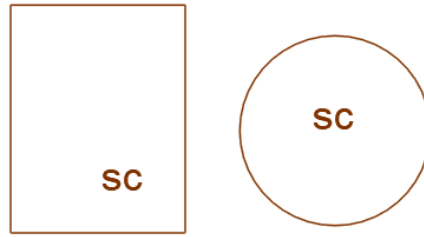
Cesspool

With this function, it is easy to change the polyline to mark the settling tank. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw a line or point manually or enter a description.



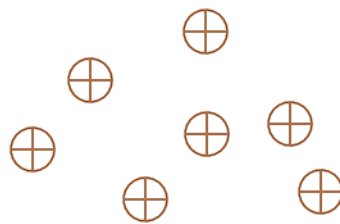
Home sewage treatment plant

With this function, you can easily change the polyline to mark a domestic wastewater treatment plant. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw it manually or enter a description.



Sewer outlet

With this function, it is easy to insert a sewer outlet marking. Simply select the command and indicate the location on the drawing.



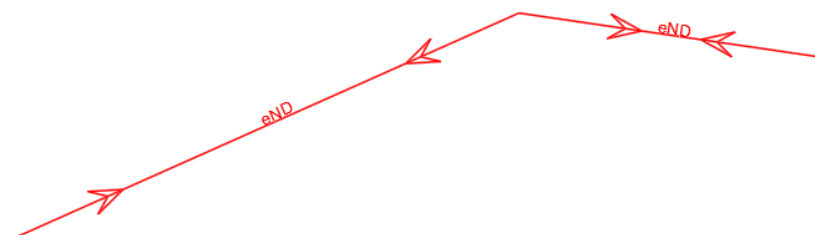
Pumping station

With this function, it is easy to change the polyline to the pumping station marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



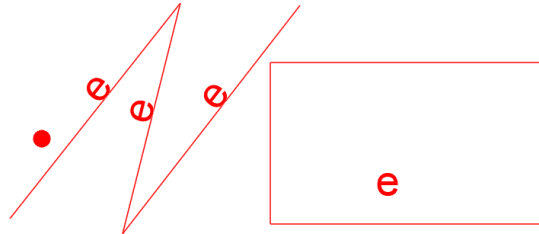
Electrical cable

With this function, it is easy to change a polyline to mark a power cable. Simply select the command, then the conductor type and indicate the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Electrical technical device

With this function, it is easy to change a polyline to mark an electrical technical device. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a line, point or polygon manually or enter a description.



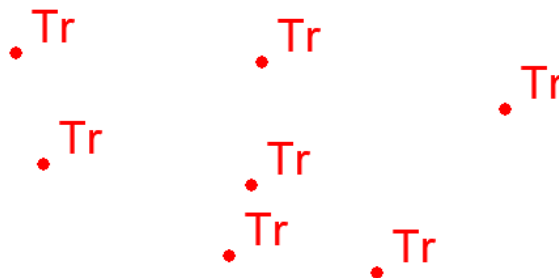
Electrical cabinet or container

With this function, you can easily change the polyline to mark a power cabinet or container. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a line, point or polygon manually or enter a description.



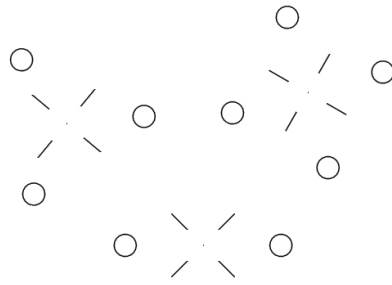
Transformer station

With this function, you can easily insert a transformer station marking. Simply select the command and indicate the location on the drawing.



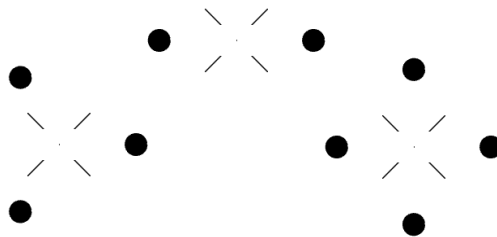
Lantern

With this function, you can easily insert a lantern marking. Simply select the command, enter the number of light sources and indicate the location on the drawing.



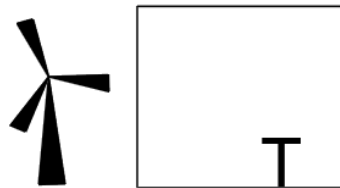
Lightning pole

With this function, it is easy to insert a lightning mast marking. Simply select the command, enter the number of light sources and indicate the location on the drawing.



Wind turbine

With this function, a polyline can be easily changed to a wind turbine designation. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a line or point manually or enter a description.



Electric vehicle charging station

With this function, you can easily insert the marking of the electric vehicle charging station. Simply select the command and indicate the location on the drawing.



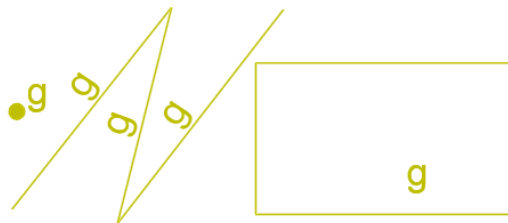
Gas pipe

With this function, a polyline can be easily changed to a gas line marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Gas technical device

With this function, a polyline can be easily changed to the designation of a gas technical device. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a line, point or polygon manually or enter a description.



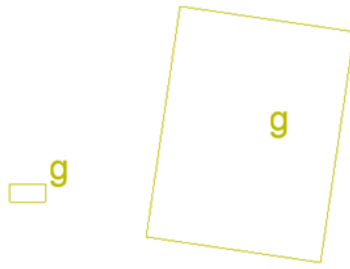
Valve

With this function, you can easily insert the designation of a gate or valve. Simply select the command and indicate the position on the drawing.



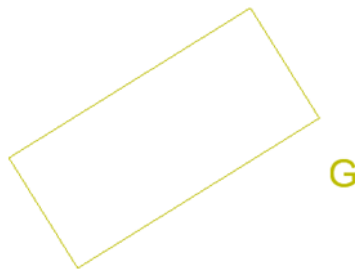
Gas cabinet or container

With this function, you can easily change a polyline to mark a gas cabinet or container. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a point or polygon manually or enter a description.



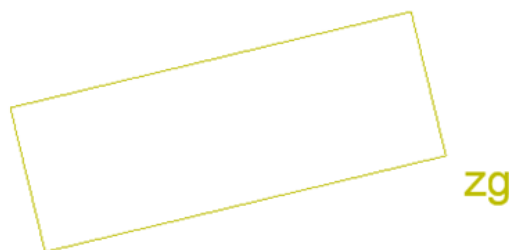
Gas station

With this function, you can easily change the polyline to the gas station marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a line or point manually or enter a description.



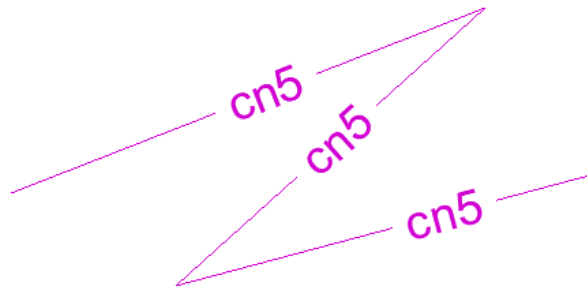
Gas tank

With this function, you can easily change the polyline to the gas tank marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



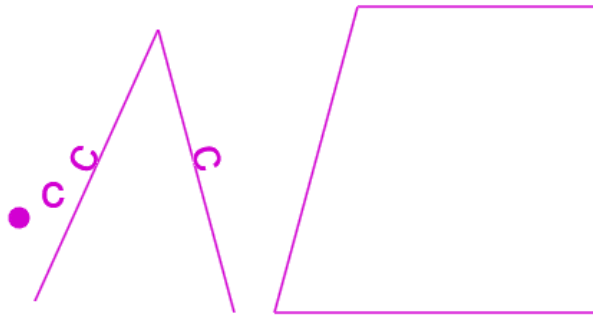
Heat pipe

With this function, you can easily change the polyline to the heat pipe marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



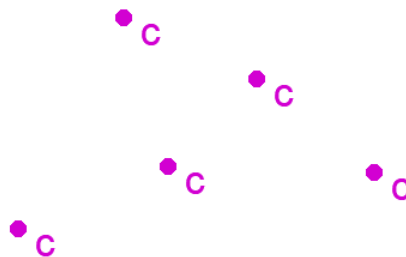
Heat technical device

With this function, a polyline can be easily changed to the marking of a heating technical device. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a line, point or polygon manually or enter a description.



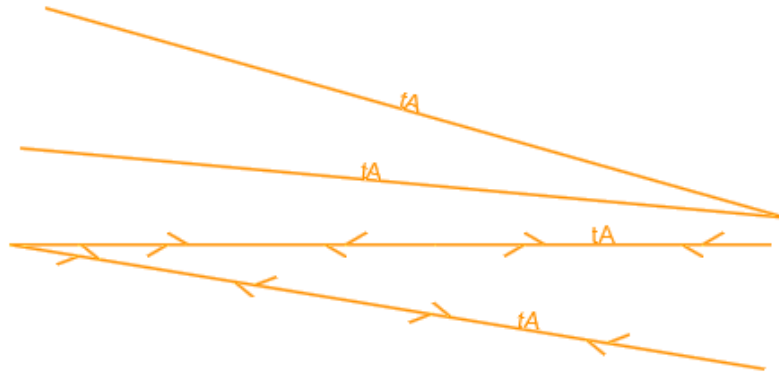
Valve

With this function, you can easily insert the marking of a gate or valve. Simply select the command and indicate the position on the drawing.



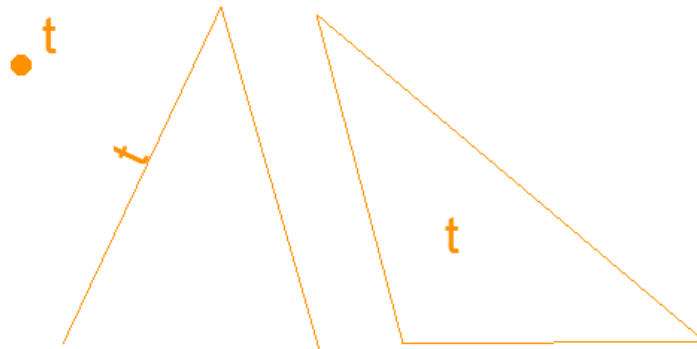
Telecommunication cable

With this function, a polyline can be easily changed to a telecommunications cable marking. Simply select the command and the type of conductor and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Telecommunication technical device

With this function, you can easily change a polyline to mark a telecommunications technical device. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a line, point or polygon manually or enter a description.



Telecommunication cabinet or container

With this function, you can easily change a polyline to mark a telecommunications cabinet or container. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a point or polygon manually or enter a description.



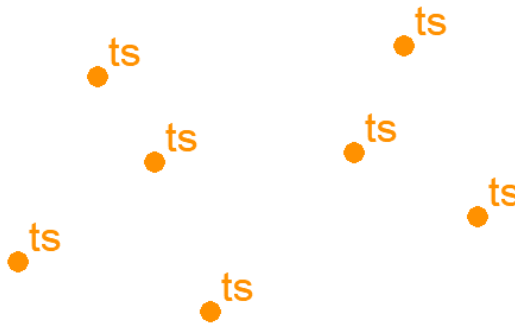
Telecommunication tower

With this function, you can easily change a polyline to mark a telecommunications tower. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a line or point manually or enter a description.



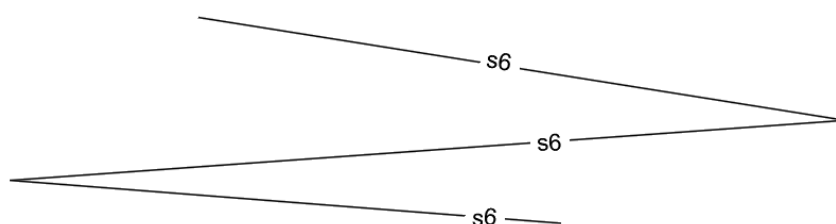
Telecommunication pole

With this function, you can easily insert a telecommunications pole marking. Simply select the command and indicate the location on the drawing.



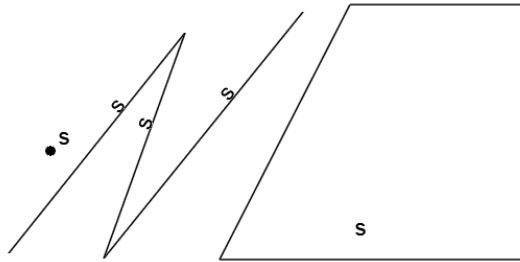
Special cable

With this function, a polyline can easily be changed to a special cable marking. Simply select the command and the diameter of the conductor and point to the object. Alternatively, you can use the prompts in the command line to draw the line manually or enter a description.



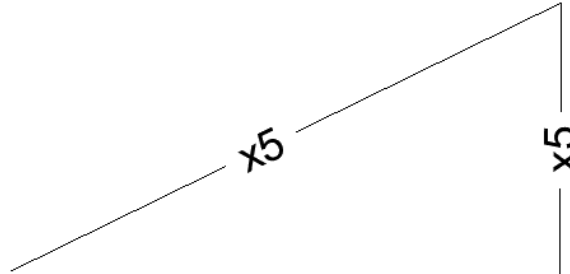
Special network's technical device

With this function, you can easily change the polyline to mark a technical device of a special network. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to insert a point, draw the outline manually or enter a description.



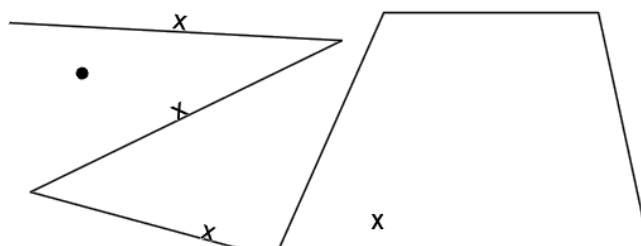
Unidentified wire

With this function, you can easily change the polyline to mark an unidentified wire. Simply select the command and the diameter of the conductor and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Unidentified network's technical device

With this function, you can easily change a polyline to mark a technical device of an unidentified network. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to insert a point, draw the outline manually or enter a description.



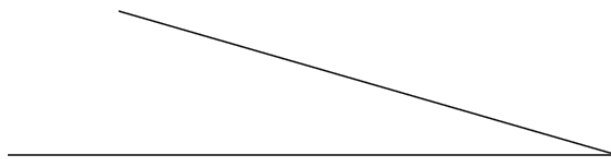
Technological channel

With this function, it is easy to change the polyline to a technological channel marking. Simply select the command and the diameter of the duct and indicate the object. Alternatively, you can use the prompts in the command line to draw the line manually or enter a description.



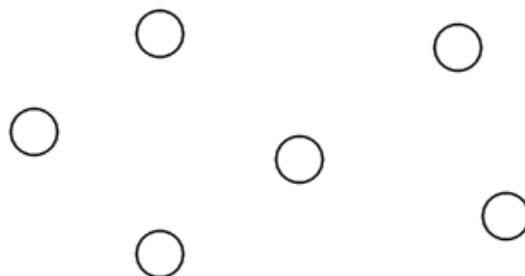
Cable protective casing

With this function, it is easy to change the polyline to the cable protective casing marking. Simply select the command, enter the diameter and indicate the object. Alternatively, you can use the prompts in the command line to draw the line manually.



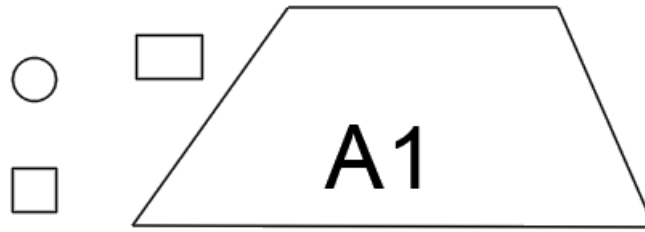
Underground chamber

With this function, you can easily insert the marking of an underground chamber. Simply select the command and point to a location on the drawing.



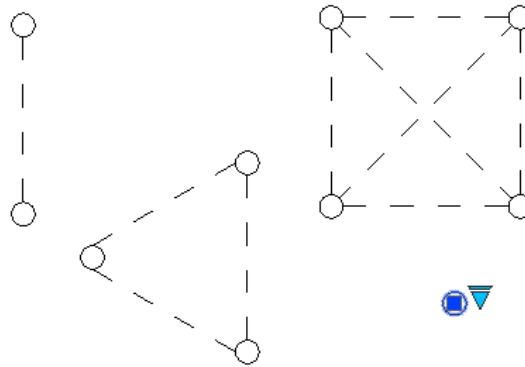
Manhole to a chamber or sewer

With this function, you can easily insert a manhole marking into a chamber or sewer. Simply select the command and point to a polyline on the drawing, or select any of the shapes available on the command line.



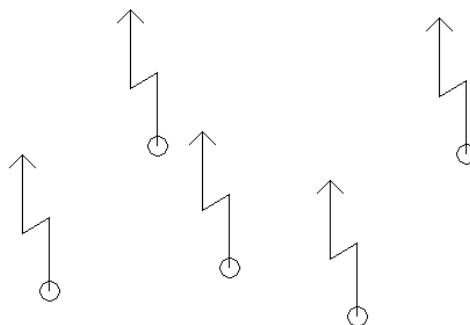
Overhead wire pole

With this function, it is easy to insert overhead wire markings. Simply select the command and indicate a location on the drawing. The markings are parametric blocks in which the visibility can be changed to different variants and then easily edited.



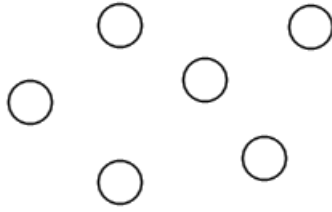
Traction pole

With this function, you can easily insert a traction pole marking. Simply select the command and indicate the location on the drawing.



Cable support

With this function, you can easily insert a cable support marking. Simply select the command and indicate the location on the drawing.



Underground building

With this function, you can easily change a polyline to mark an underground structure. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the line manually or enter a description.



Database of topographic objects

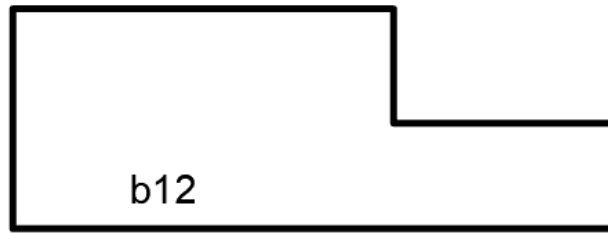
Building in construction

With this function, you can easily change a polyline to a building in construction marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



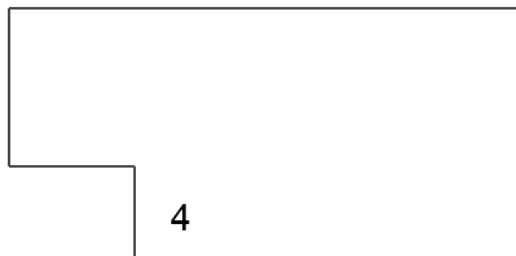
Building

With this function, you can easily change a polyline to a building marking. Simply select the command, the building location and indicate the object. Alternatively, you can use the prompts in the command line to draw the outline manually and insert a description in which the type of building and the top floor must be indicated.



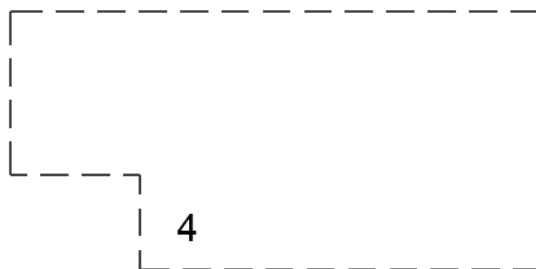
Overground storey

With this function, it is easy to change the polyline to mark the above-ground storey. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually and insert a description in which the top storey must be indicated.



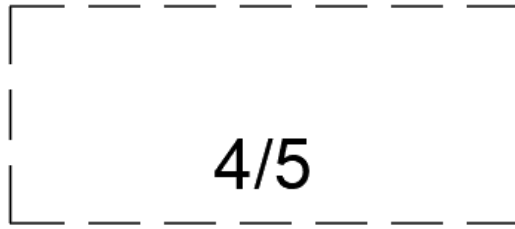
Underground storey

With this function, you can easily change the polyline to mark the underground storey. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a description.



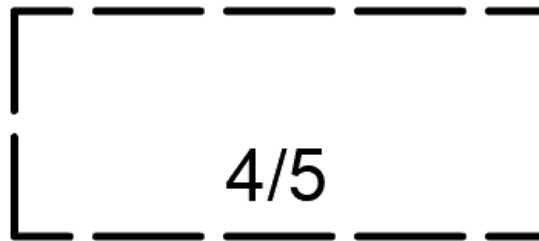
Connector

With this function, it is easy to change a polyline to a connector marking. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually and insert a description in which the storeys must be indicated.



Overhang

With this function, you can easily change a polyline to an overhang marking. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually and insert a description in which the storeys must be indicated.



Drive through the building

With this function, it is easy to change a polyline to mark a building crossing. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



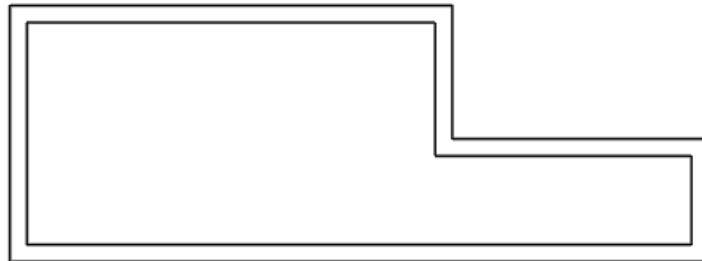
Different type of block

With this function, you can easily change a polyline to mark another type of block. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually and insert a description in which to indicate the storeys.



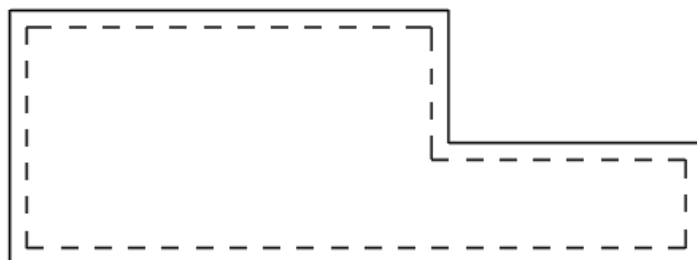
Terrace

With this function, you can easily change the polyline to a terrace marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



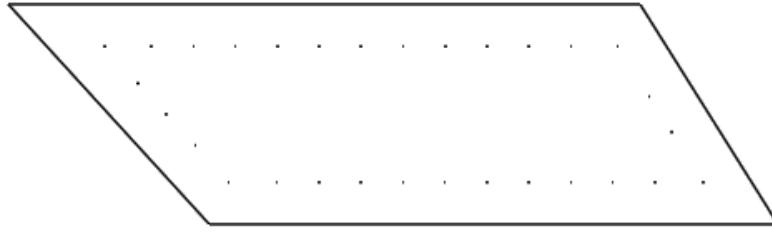
Porch

With this function, you can easily change a polyline to mark a porch. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



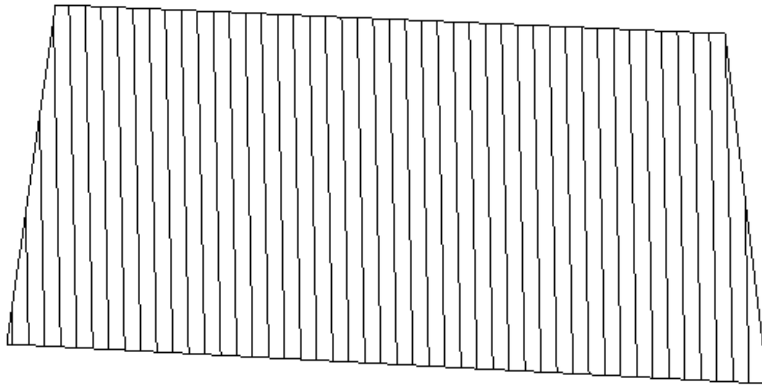
Vestibule

With this function, it's easy to change a polyline to a vestibule marking. Simply select the command and point to the object, or select R as Draw from the command line to manually create the marking.



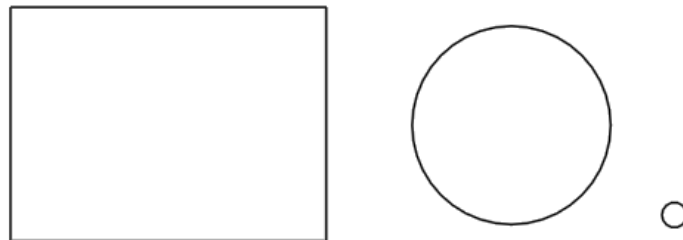
Stairs

With this function, you can easily change the polyline to mark the staircase. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually. You still only need to indicate the direction of the staircase.



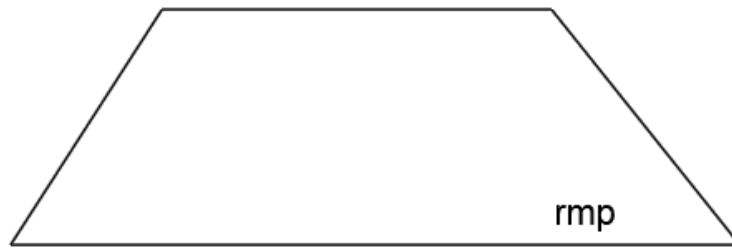
Support associated with a building

With this function, you can easily change a polyline to a support marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually in one of the available shapes.



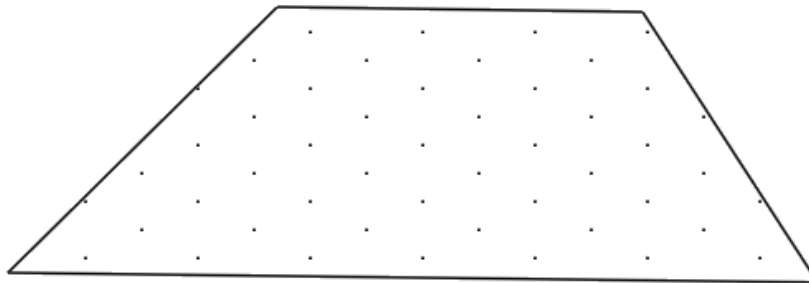
Ramp

With this function, you can easily change a polyline to a ramp marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually and insert a description.



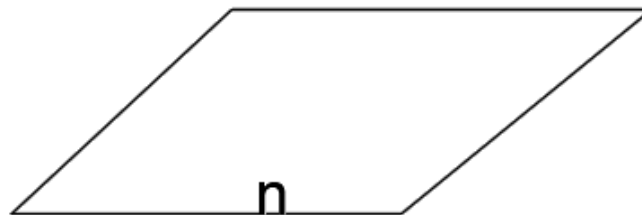
Entrance to the underground

With this function, you can easily change the polyline to mark the underground entrance. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



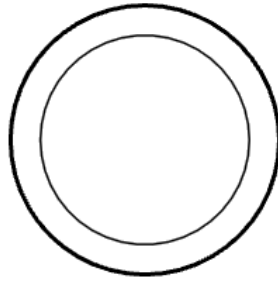
Ramp for disabled people

With this function, a polyline can be easily changed to mark a disabled ramp. Simply select the command and indicate the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a description.



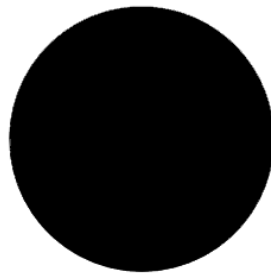
Cooling tower

With this function, you can easily change the polyline to mark the cooling tower. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually.



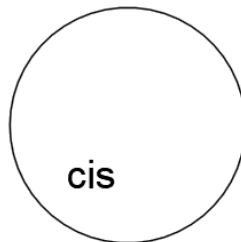
Industrial chimney

With this function, you can easily change the polyline to mark an industrial chimney. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the object manually.



Water tower

With this function, you can easily change the polyline to mark the water tower. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a description.



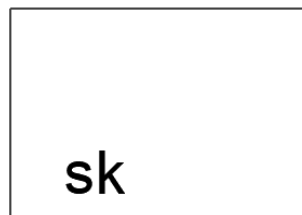
Fire tower

With this function, you can easily change the polyline to mark a fire tower. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a description.



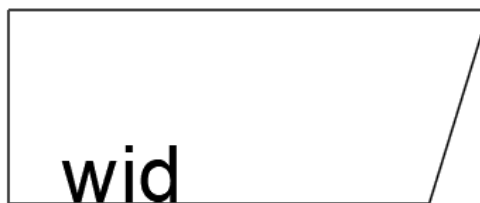
Mine shaft tower

With this function, you can easily change the polyline to mark the mine shaft tower. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a description.



Observation tower

With this function, you can easily change the polyline to mark the observation tower. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a description.



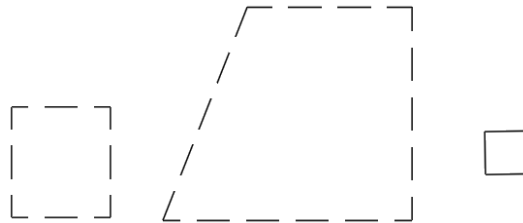
Tank or silo

With this function, you can easily change the polyline to mark a tank or silo. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a description.



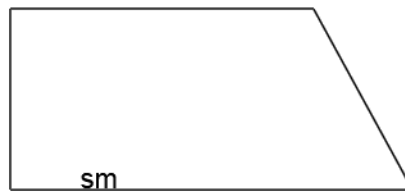
Shed

With this function, you can easily change the polyline to mark the shed. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually in one of the available shapes.



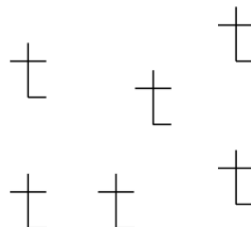
Dumpster

With this function, it is easy to change a polyline to mark a dumpster. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a description.



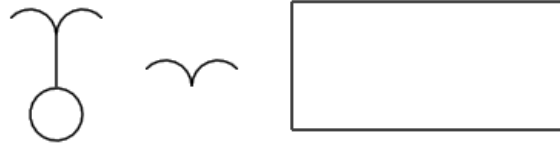
Figure, cross

With this function, you can easily insert a crosshair marking. Simply select the command and point to a location on the drawing.



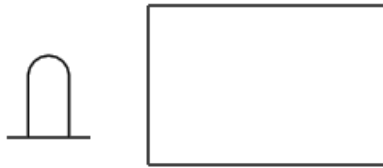
Fountain

With this function, you can easily change the polyline to mark the fountain. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the object manually in one of the available shapes.



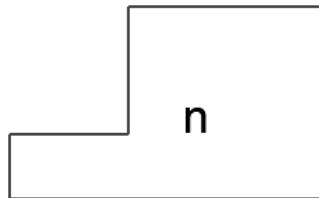
Statue

With this function, you can easily change a polyline to mark a monument. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the object manually or insert it as a point.



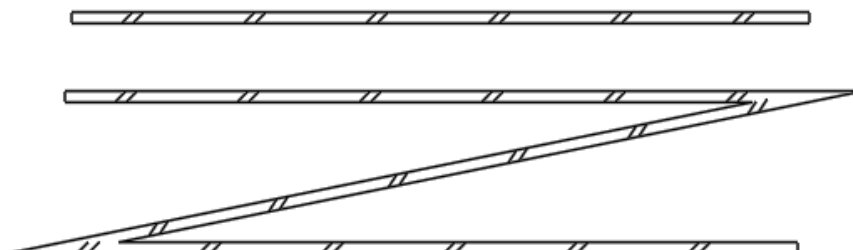
Monumental ruin

With this function, you can easily change a polyline to mark a monumental ruin. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the object manually or insert a description.



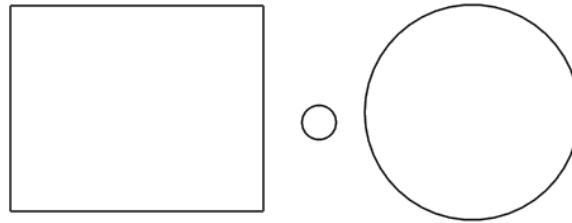
Retaining wall

With this function, you can easily change a polyline to a retaining wall marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the object manually.



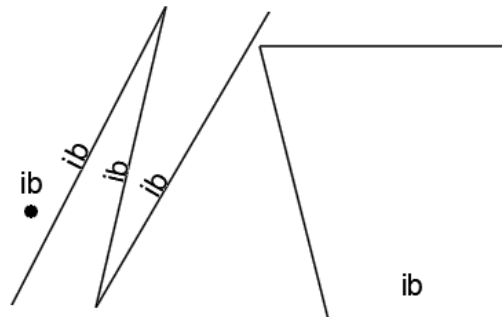
Support

With this function, you can easily change a polyline to a support marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually in one of the available shapes.



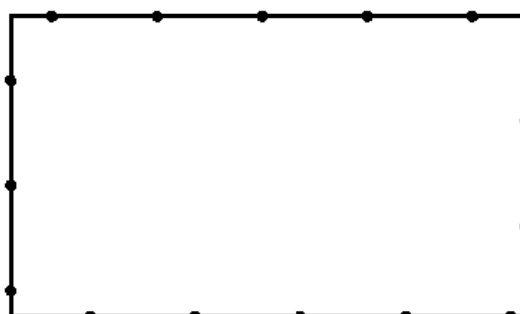
Different building

With this function, you can easily change a polyline to mark different building. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually in one of the available shapes.



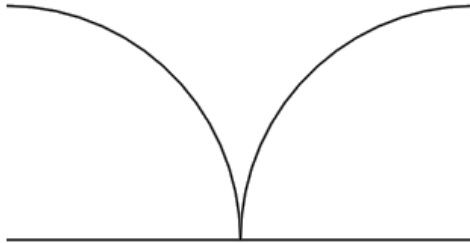
Permanent fence

With this function, you can easily change a polyline to mark a permanent fence. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually.



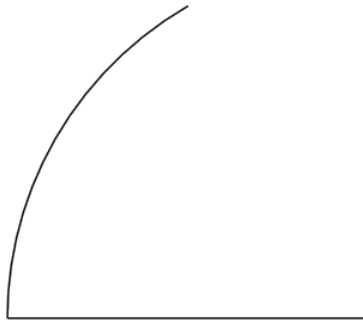
Gate

With this function, you can easily change a polyline to a gate marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the object manually.



Wicket

With this function, you can easily change a polyline to a wicket marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the object manually.



Roadway

With this function, you can easily change a polyline to a roadway marking. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the polyline manually or insert a description.



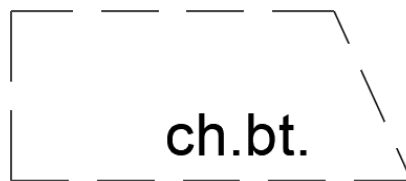
Curb

With this function, you can easily change a polyline to a curb marking. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the polyline manually or insert a description.



Pavement

With this function, you can easily change a polyline to a pavement marking. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the polyline manually or insert a description.



Bike lane

With this function, you can easily change a polyline to mark a bike lane. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the polyline manually or insert a description.



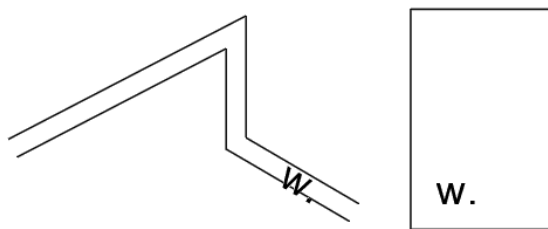
Paved area

With this function, you can easily change a polyline to mark a paved area. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the polyline manually or insert a description.



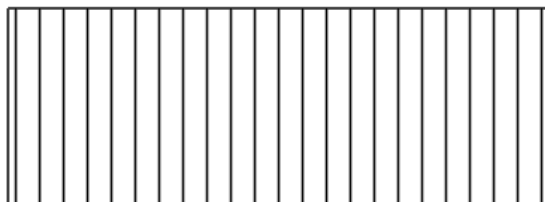
Roadside ditch

With this function, you can easily change a polyline to mark a roadside ditch. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the polyline manually or insert a description.



Stairs in the communication route

With this function, you can easily change the polyline to mark the staircase. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually and specify the direction.



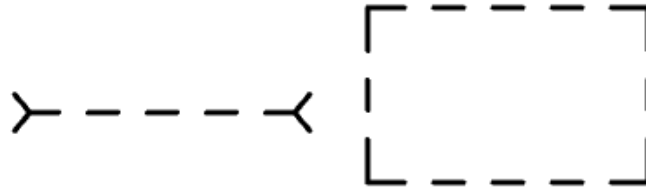
Bridge

With this function, you can easily change the polyline to mark a bridge. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually.



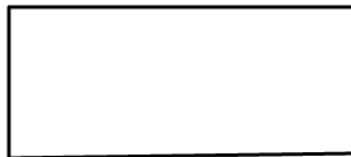
Culvert

With this function, you can easily change a polyline to a culvert marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw a line or polygon manually.



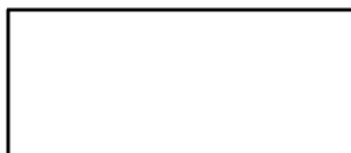
Overpass

With this function, you can easily change a polyline to mark a viaduct. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually.



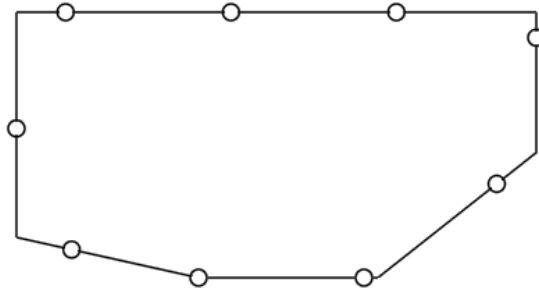
Wharf

With this function, it is easy to change a polyline to mark a flyover. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually.



Protective barrier

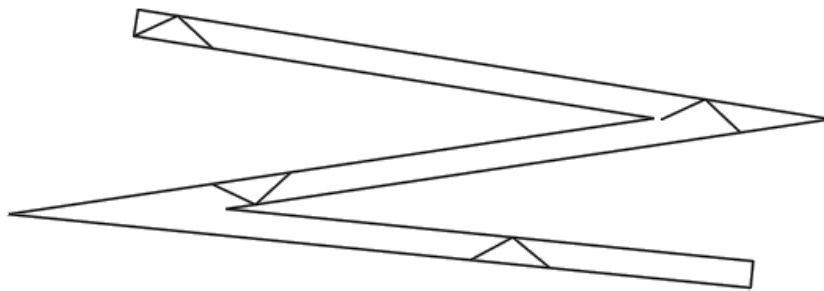
With this function, a polyline can be easily changed to a barrier marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually.



Ramp

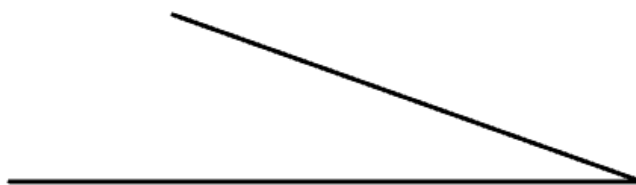
Acoustic screen

With this function, a polyline can be easily changed to a acoustic screen marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the object manually.



Track

With this function, you can easily change a polyline to a track marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually.



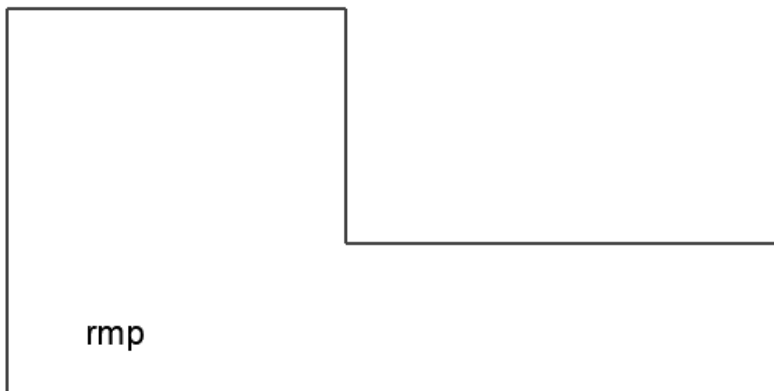
Platform

With this function, you can easily change a polyline to a platform marking. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the polyline manually or insert a description.



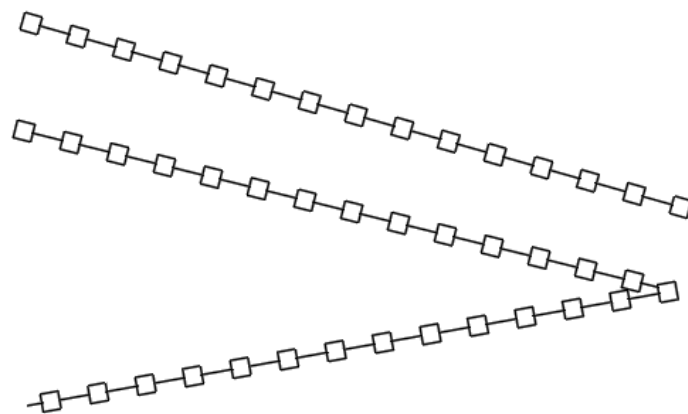
Ramp

With this function, you can easily change a polyline to a ramp marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually and insert a description.



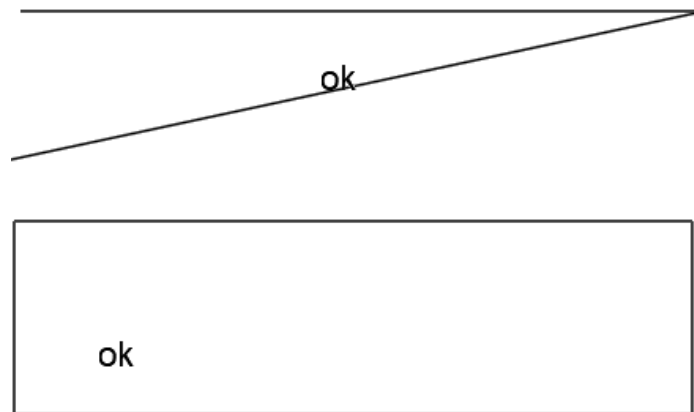
Cableway

With this function, you can easily change a polyline to a cableway marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the polyline manually or insert a description.



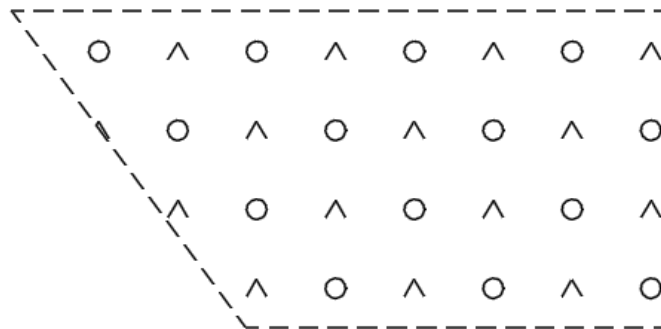
Different communication object

With this function, you can easily change a polyline to mark a different communication object. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw objects manually or insert a description.



Forest area

With this function, it is easy to change a polyline to a forest area designation. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the objects manually.



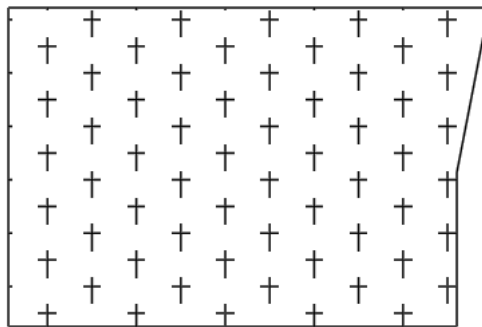
Tree or bush cover

With this function, it is easy to change a polyline into a tree and shrub designation. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the objects manually.



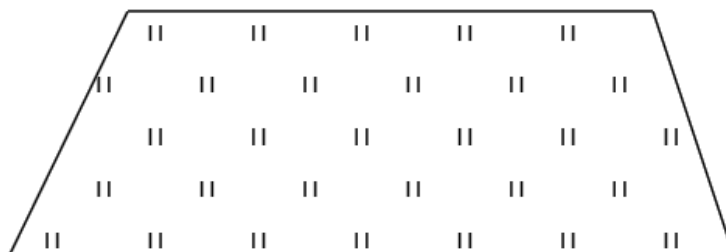
Graveyard

With this function, you can easily change a polyline to mark a cemetery. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



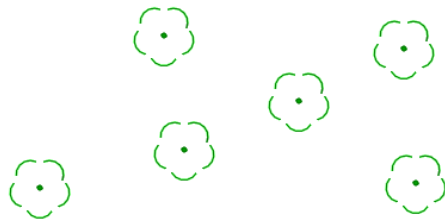
Lawn

With this function, you can easily change a polyline to a lawn marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



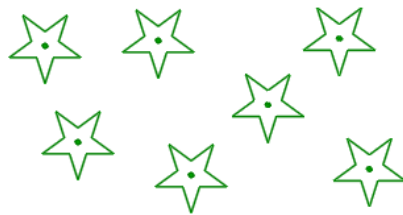
Deciduous tree

With this function, you can easily insert a tree marking. Simply select the command and point to a location on the drawing.



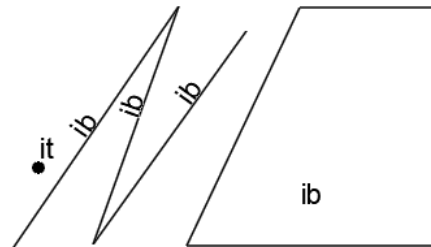
Conifer

With this function, you can easily insert a tree marking. Simply select the command and point to a location on the drawing.



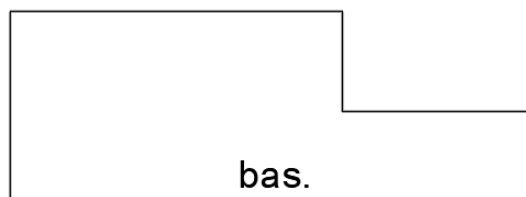
Different land development facility

With this function, you can easily change a polyline to mark different land use object. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw objects manually or insert a description.



Outdoor pool

With this function, you can easily change a polyline to mark an outdoor swimming pool. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a description.



Different sport facility

With this function, you can easily change a polyline to mark a sports ground. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually.



Sports square

With this function, you can easily change a polyline to mark a sports ground. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a symbol.



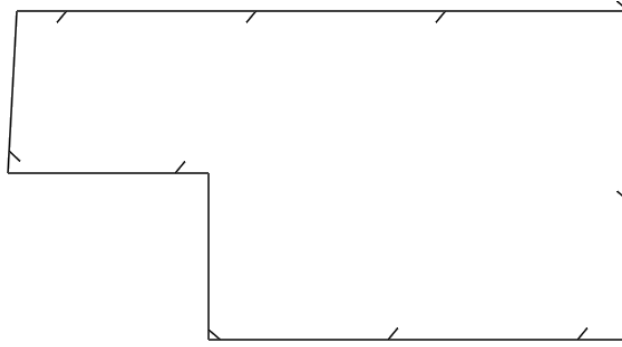
Playground

With this function, you can easily change a polyline to mark a playground. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a symbol.



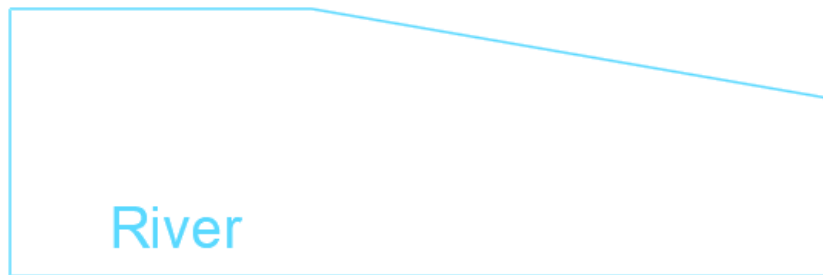
Ski lift

With this function, you can easily change a polyline to a ski lift marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



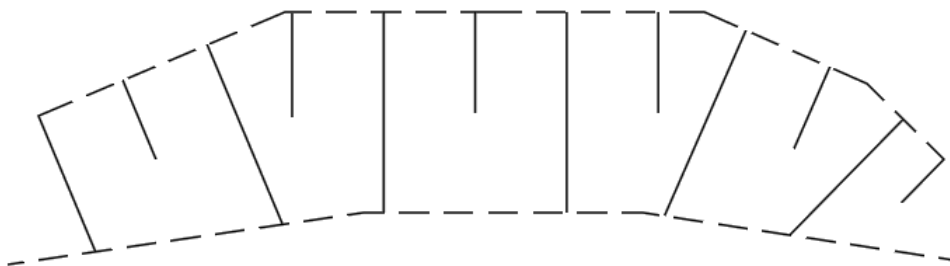
Flowing water

With this function, it is easy to change a polyline to a flowing water marking. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually and insert a description.



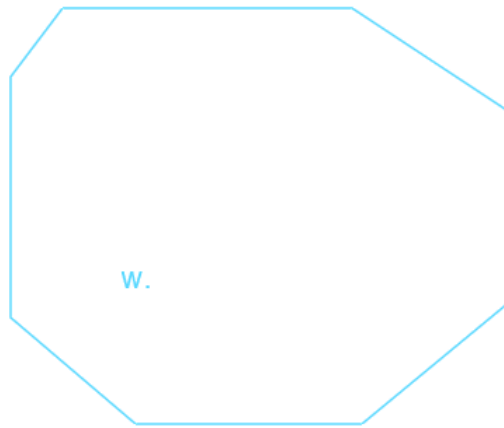
Flood embankment

With this function, you can easily create a flood embankment. To do so, start the command, then indicate both slope boundaries.



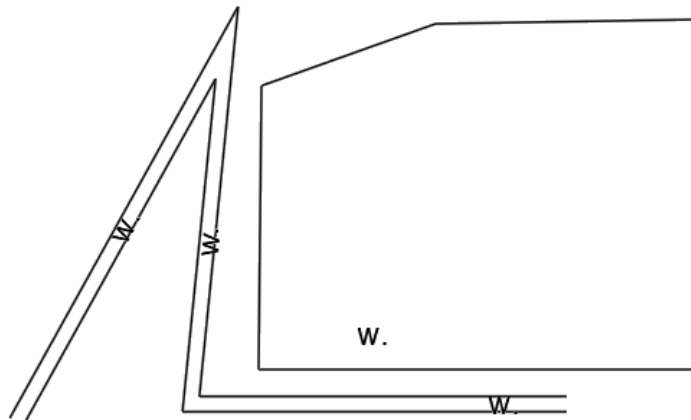
Still water

With this function, you can easily change a polyline to a standing water marker. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually and insert a description.



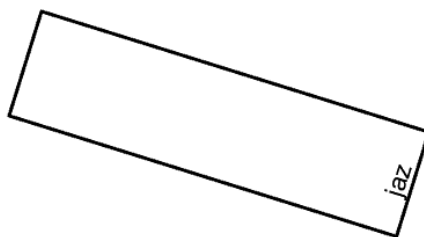
Drainage ditch

With this function, you can easily change the polyline to mark a drainage ditch. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the line or outline manually and insert a description.



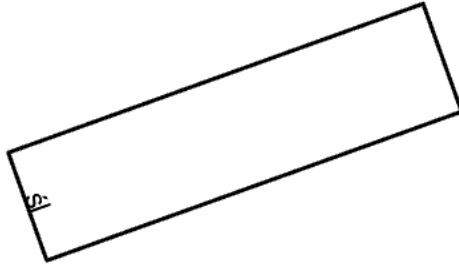
Weir

With this function, you can easily change the polyline to a weir designation. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw objects manually or insert a description.



Floodgate

With this function, a polyline can be easily changed to a floodgate marking. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw objects manually or insert a description.



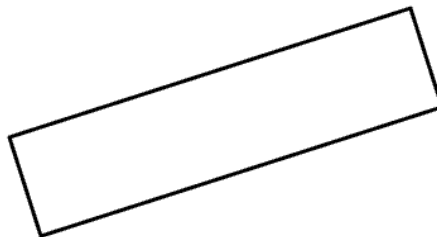
Causeway

With this function, you can easily create a causeway marking. To do so, start the command, then indicate both slope boundaries.



Dam

With this function, a polyline can be easily changed to a dam marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



Spur

With this function, you can easily change a polyline to a spur marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



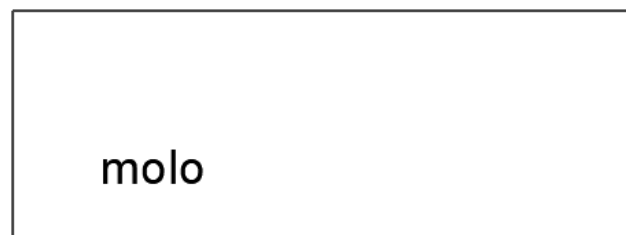
Different object related to water

With this function, you can easily change a polyline to a spur marking. Simply select the command and point to the object. Alternatively, you can use the prompts on the command line to draw the outline manually.



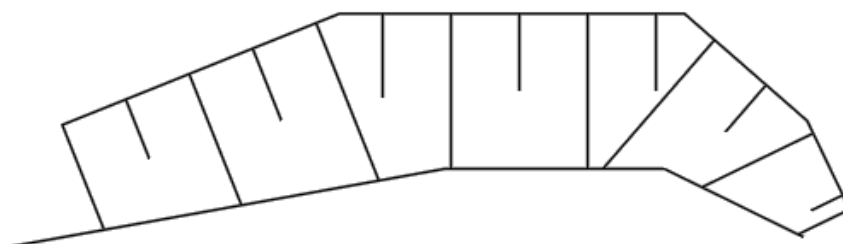
Pier

With this function, you can easily change a polyline to mark a pier. Simply select the command and point to the object. Alternatively, you can use the prompts in the command line to draw the outline manually or insert a description.



Reinforced slope

With this function, you can easily create a reinforced slope. To do so, start the command, then indicate both slope boundaries.



Unreinforced slope

With this function, you can easily create an unreinforced slope. To do so, start the command, then indicate both slope boundaries.



Natural picket

With this function you can easily insert a picket mark. Simply select the command, enter the number and indicate the location on the drawing.

A2

A1

Artificial picket

With this function you can easily insert a picket mark. Simply select the command, enter the number and indicate the location on the drawing.

A2

A1