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Microsoft CERTIFIED Partner

Newsletter

Dear customers,

Sivan Design listens to its customers, and in 2014 important improvements were made, such as:

General

- Supporting AutoCAD 2015 version
- Supporting ZWCAD Software
- Save project's backups form Roads' Vertical Alignment & Cross Sections Menus
- New scales added to Global Scale options under Configurations menu

Roads

- New module for Roads Culverts Design

Reservoirs

- Display 'Dead Capacity' of reservoirs in Capacity Report

Pipelines

- Separation between Drainage and Sewage Definitions
- Adding material manually in Sewage & Drainage sections
- Materials column added to Drainage / Sewage Detailed Report
- Exporting Water / Drainage / Sewage sections to DXF file by stations definition
- Improved display of Manholes and Pipeline's data in Pipelines' layout

Please continue reading and learn more about all **CivilCAD 2014** improvements and new features.
We will always be happy to get your feedback.

Sincerely,
Shlomi Sivan, CEO

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The new CivilCAD 2014 V2.0 is available for download from Sivan Design website:

http://www.sivandesign.com/downloads

In the installation process it is strongly advised to follow the installation instructions and go through the entire 'Setup completion wizard' steps to fit the software to personal working methods.

This document presents the software's major improvements and new features. The changes are serially listed, and divided into the following subjects:

- **GENERAL**
- **ROADS**
- **RESERVOIRS**
- **PIPELINES**

Notes:

- Some paragraphs have been included under a certain subject ("ROADS" for example) can be useful for other users of the software (Surveyors for example). It is advised to go through the entire paragraphs included in the document; either if they are not directly refers to your specific field of interest.
- This document is written in the masculine form for convenience only, but is intended for both men and women.

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GENERAL

1. *Supporting AutoCAD 2015 Version*

CivilCAD 2014 supports AutoCAD 2015 32/64 bit and earlier versions of AutoCAD.
Sivan Design will support every new version of AutoCAD in the future.

2. *Supporting ZWCAD Software*

CivilCAD 2014 now supports Chinese ZWCAD software as well as AutoCAD and BricsCAD.

3. *Save project's backups form Roads' Vertical Alignment & Cross Sections Menus*

It is now possible to save multiple backups versions, not only from CivilCAD main menu, but also from Roads→Vertical Alignment & Roads→Cross Sections menus.
To use this feature:

- From CivilCAD main menu, go to 'Files→Configurations'.
- In 'General Settings' Tab, mark 'V' in 'Save Backup' option.
- Click the  button and define the desired path for the backup versions and click the 'Open' button.
- Define the desired number of backup versions (default number is 3 backup versions).
- In case you defined 3 backup versions, the 4th save will overwrite the first backup.

  Note: the backups are saved to ***.Lha** format.
- In order to define X number of backup versions for all future projects, you will need to define it in the Prototype project.

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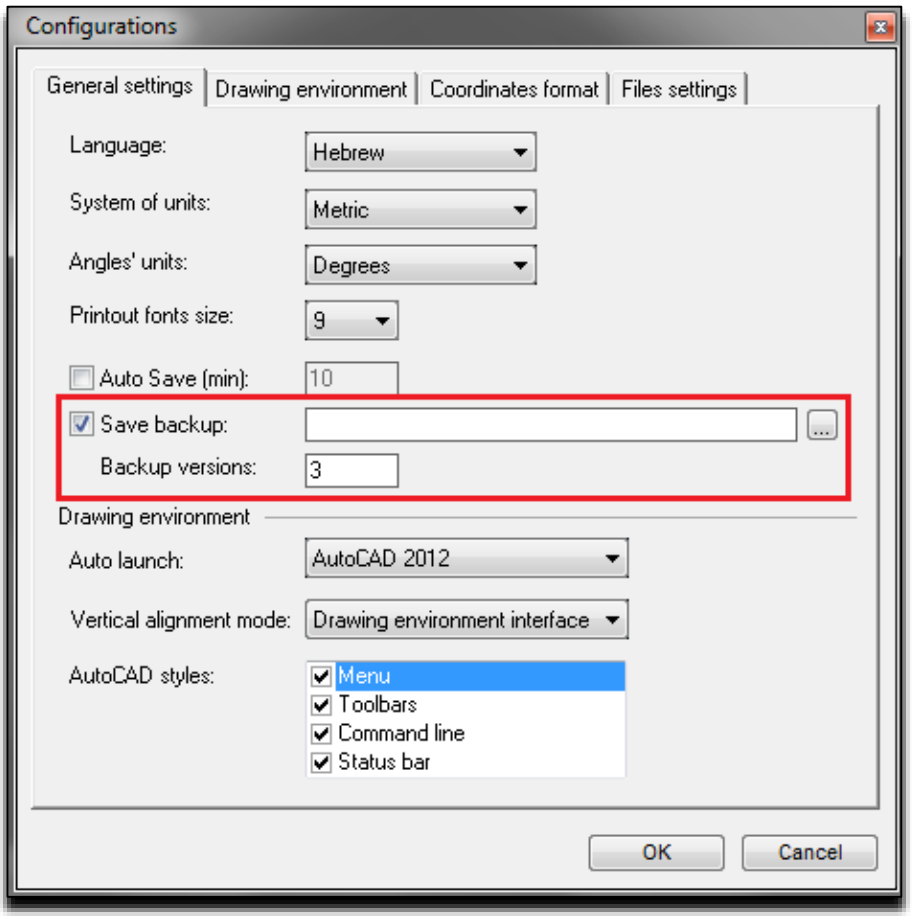

- In order to load a backup project, from CivilCAD main menu go to: 'File→Restore Project'.
- Select the desired file and click the 'Open' button.

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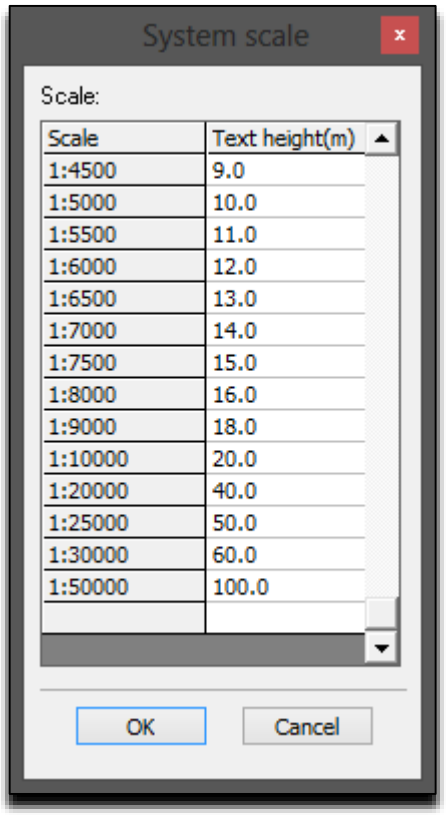
4. *New scales in Global Scale Definitions menu*

We added new scales in 'Global Scale' definitions menu:

1:20,000; 1:30,000. To define a Scale:

- From CivilCAD main menu, go to: 'File→Configurations'. 'Configurations' menu will open.
- Click the 'Drawing Environment' Tab and then click the 'Global Scale' button.
- Select the desired scale from the list.



- Click the 'OK' button to save the definitions.

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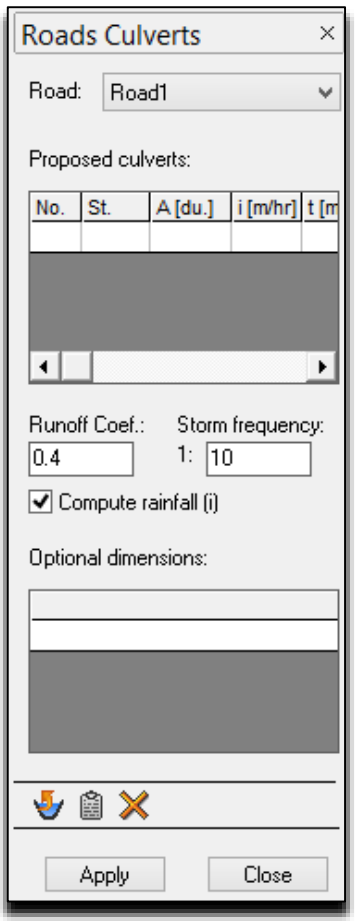
ROADS

5. *New module for Roads Culverts Design*

We added a new module which suggest the optimized location, size and shape of road's culverts. To use this Module:

- From CivilCAD main menu, go to: 'Roads→Culverts'. 'Culverts' menu will open.



- Click the 'Apply' button.
- A list of suggested culverts with its size and shape will be displayed, including station, runoff coefficients in mm/hour and rain frequency in minute/year will be displayed.

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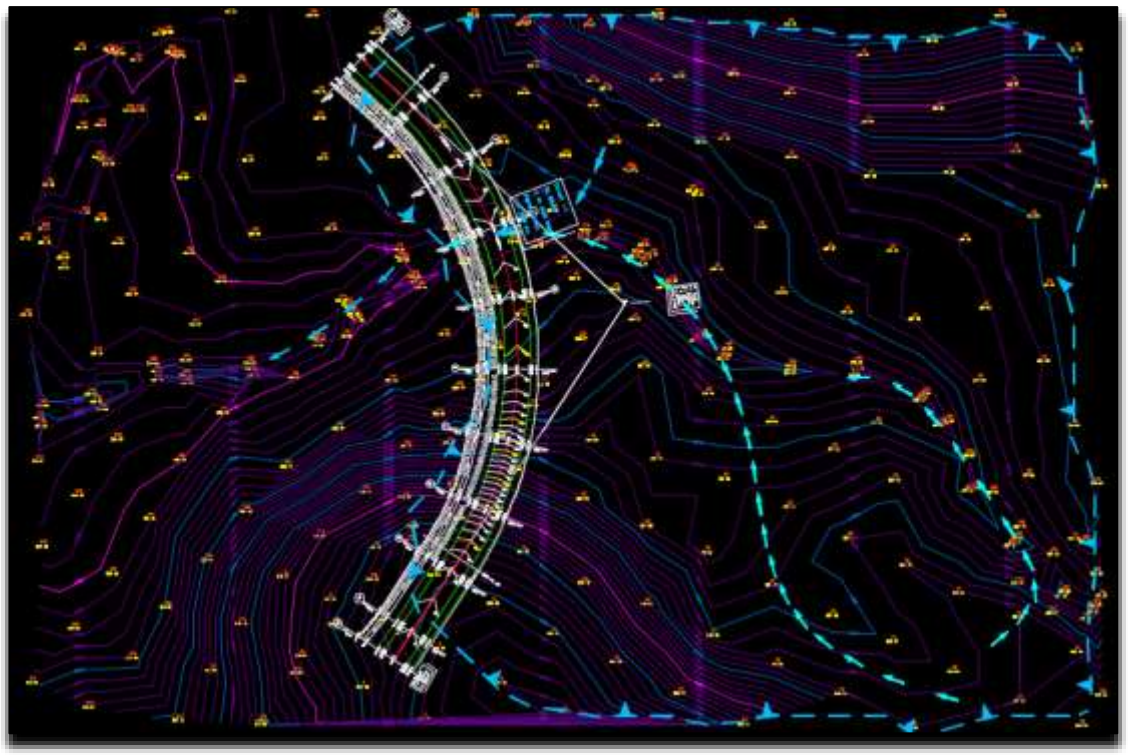
Note: The area of the water shed and the streambeds are determined according to the existing G.L. surface. The larger existing G.L. area will be – the more accurate culverts location will be computed.



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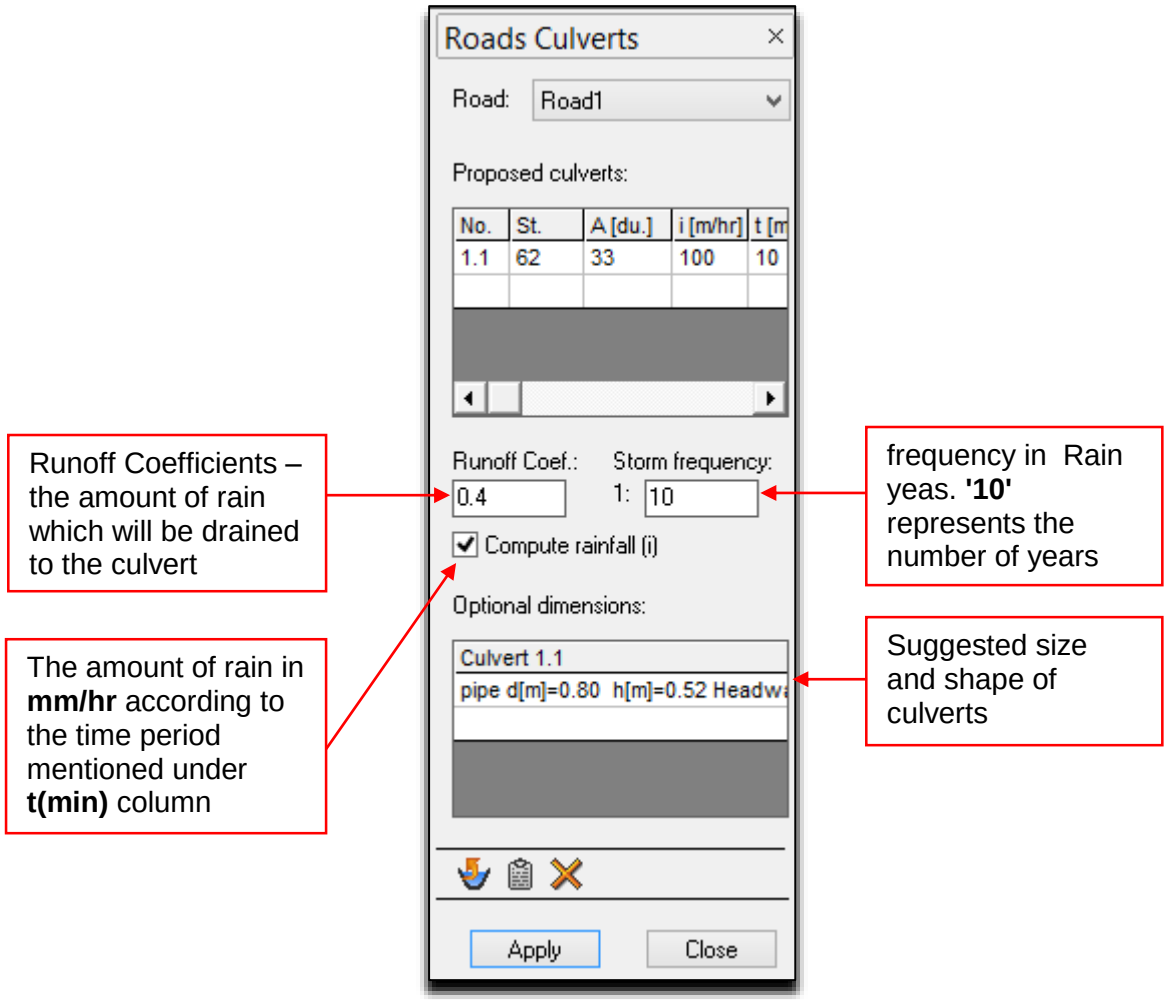

Notes:

- If 'Compute Rainfall (i)' option is check marked, the software will calculate the amount of rain in mm per hour according to the period of time, which is specified under **t(min)** column. The calculation is made by a built-in algorithm. In case the algorithm is not suitable for a particular country, the user should un-check the V mark, and enter data manually under **i(mm/hr)** column, and press 'Enter' button after entering any data.
- The user has the option to change the culverts station, runoff coefficients and storm frequency. After changing the data, click the 'Apply' button and then click the 'Update Culverts' button  in order to update the suggested culverts.

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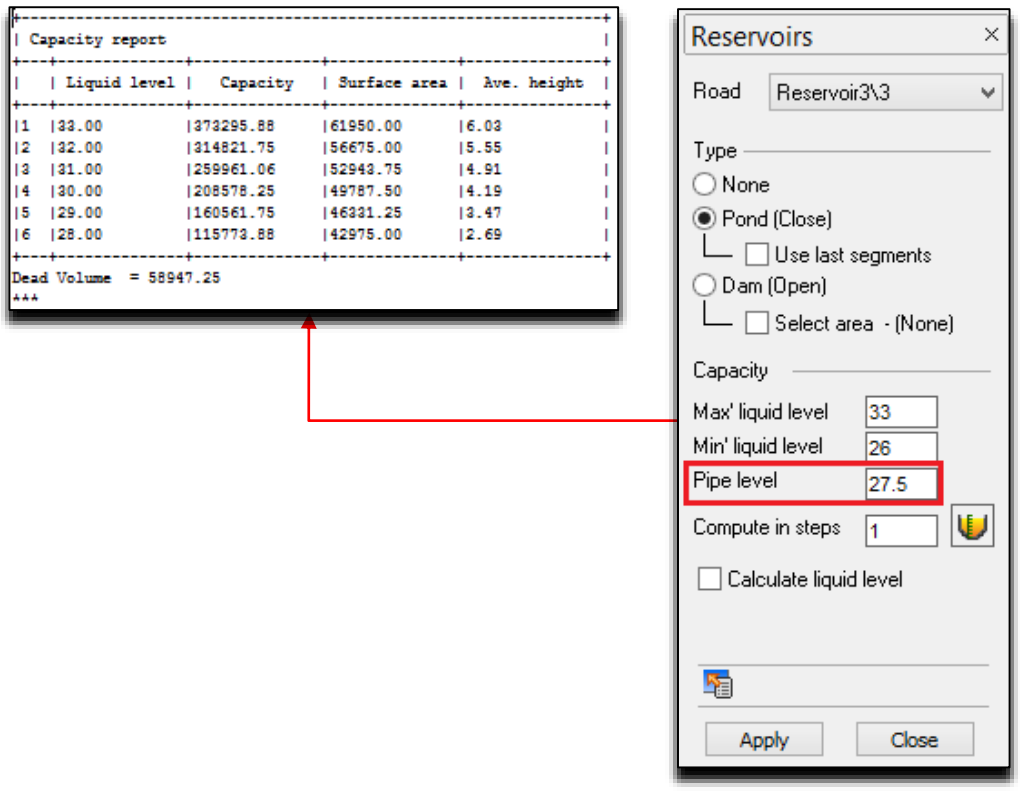
RESERVOIRS

6. *Display 'Dead Capacity' of reservoirs in Capacity Report*

We added a new option for calculating 'Dead Capacity' volume and display it in Capacity Report of a reservoir.

To use this feature (after full reservoir design):

- From CivilCAD main menu, go to: 'General→Reservoirs'. 'Reservoirs' menu will open on the right side of the screen.
- In 'Pipe Level' option, type the desired pipelines elevation
- Click the 'Compute Capacity' button. CivilCAD will calculate the capacity volumes and display the capacity report on screen.
  The capacity between the Minimum Liquid Level and the Pipe Level is the 'Dead Volume' capacity.



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PIPELINES

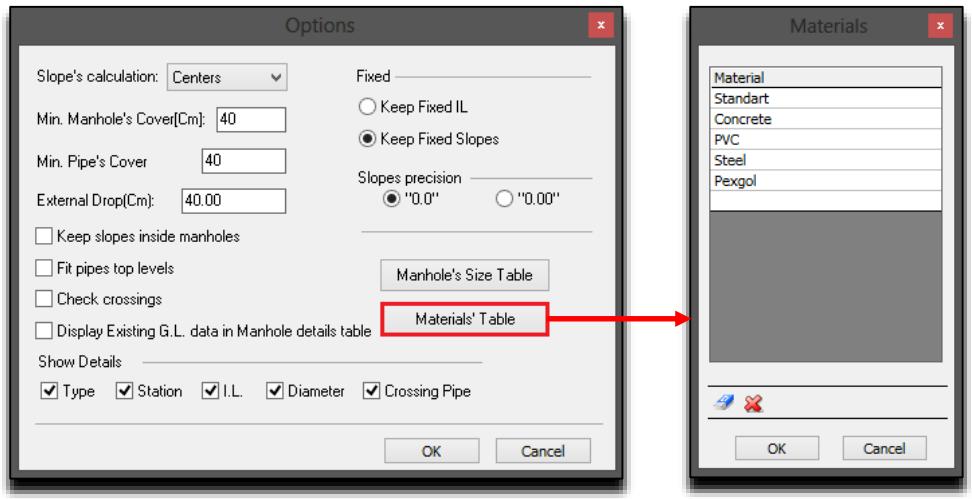
7. *Separation between Drainage and Sewage Definitions*

We made a separation between Drainage and Sewage Definitions under Pipelines→List menu, so one type's definition will not affect another type's definitions.

8. *Adding material manually in Sewage & Drainage sections*

We have improved the Options menu in 'Pipelines→Sections' menu, for Drainage & Sewage pipelines, and now, the user can manually add materials to the materials list. To use this feature:

- From CivilCAD main menu, go to: 'Pipelines→Sections'. 'Sections' menu will open on the right side of the screen.
- Click the 'Options'  button. 'Options' menu will open.
- Click the 'Materials Table' button and type the desired material.



- Click the 'OK' button and define the desired material under Material column, in Manholes Details table.

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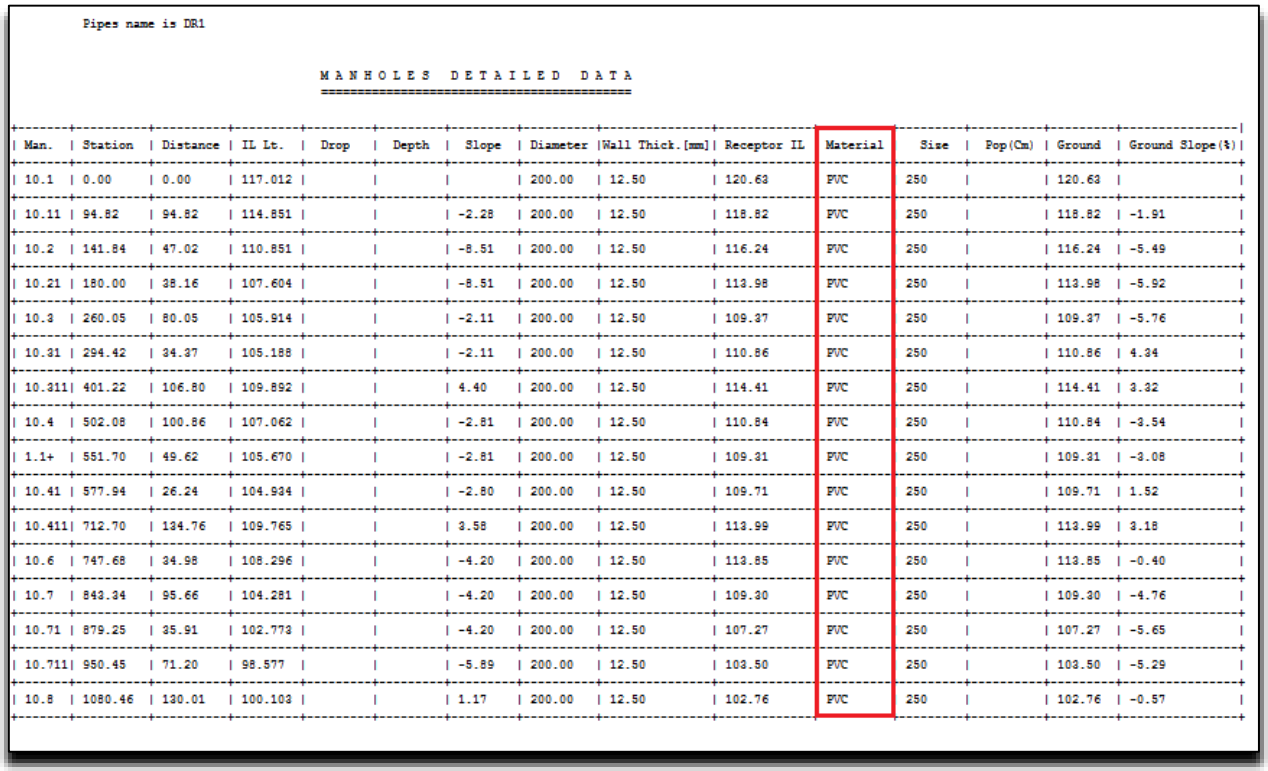
9. *Materials column added to Drainage / Sewage Detailed Report*

We added 'Materials' column to Drainage / Sewage Pipeline detailed report.

To use this feature:

- From CivilCAD main menu, go to: 'Pipelines→Sections'. 'Sections' menu will open on the right side of the screen.
- Define the desired material under Material column, in Manholes Details table.
- Click the 'Apply' button and then click the 'Close' button.
- From CivilCAD main menu, go to: 'Pipelines→Reports'. 'Reports' menu will open on the right side of the screen.
- Select the desired pipeline's type (sewage or drainage).
- Select the 'Detailed Report' in the Reports List.
- Check mark the desired pipeline or pipelines and click the 'Apply' button.



Pipes name is DR1

MANHOLES DETAILED DATA

Man.	Station	Distance	IL Lt.	Drop	Depth	Slope	Diameter	Wall Thick.[mm]	Receptor IL	Material	Size	Pop(Cm)	Ground	Ground Slope(%)
10.1	0.00	0.00	117.012				200.00	12.50	120.63	PVC	250		120.63	
10.11	94.82	94.82	114.851			-2.28	200.00	12.50	118.82	PVC	250		118.82	-1.91
10.2	141.84	47.02	110.851			-8.51	200.00	12.50	116.24	PVC	250		116.24	-5.49
10.21	180.00	38.16	107.604			-8.51	200.00	12.50	113.98	PVC	250		113.98	-5.92
10.3	260.05	80.05	105.914			-2.11	200.00	12.50	109.37	PVC	250		109.37	-5.76
10.31	294.42	34.37	105.188			-2.11	200.00	12.50	110.86	PVC	250		110.86	4.34
10.311	401.22	106.80	109.892			4.40	200.00	12.50	114.41	PVC	250		114.41	3.32
10.4	502.08	100.86	107.062			-2.81	200.00	12.50	110.84	PVC	250		110.84	-3.54
1.1+	551.70	49.62	105.670			-2.81	200.00	12.50	109.31	PVC	250		109.31	-3.08
10.41	577.94	26.24	104.934			-2.80	200.00	12.50	109.71	PVC	250		109.71	1.52
10.411	712.70	134.76	109.765			3.58	200.00	12.50	113.99	PVC	250		113.99	3.18
10.6	747.68	34.98	108.296			-4.20	200.00	12.50	113.85	PVC	250		113.85	-0.40
10.7	843.34	95.66	104.281			-4.20	200.00	12.50	109.30	PVC	250		109.30	-4.76
10.71	879.25	35.91	102.773			-4.20	200.00	12.50	107.27	PVC	250		107.27	-5.65
10.711	950.45	71.20	98.577			-5.89	200.00	12.50	103.50	PVC	250		103.50	-5.29
10.8	1080.46	130.01	100.103			1.17	200.00	12.50	102.76	PVC	250		102.76	-0.57

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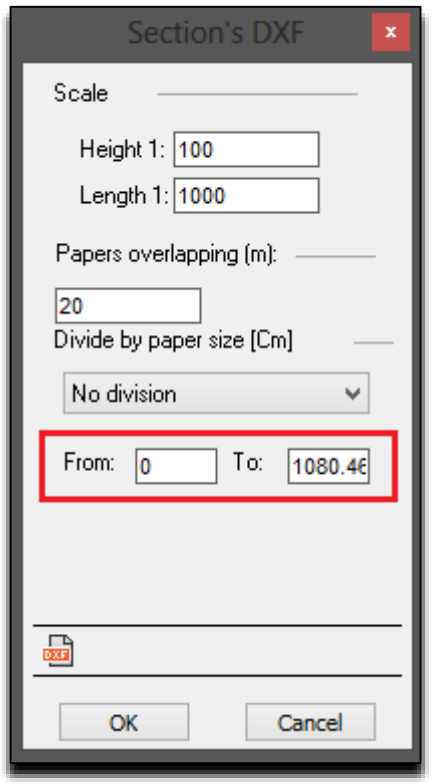
10. *Exporting pipelines sections to DXF file by stations definition*

We added a new option for exporting Water / Drainage / Sewage sections to DXF file by stations definition. To use this feature:

- From CivilCAD main menu, go to: 'Pipelines→Sections'. 'Sections' menu will open on the right side of the screen.
- Click the 'DXF Output'  button on the upper left side of the screen. 'Sections DXF' window will open.



- Define Scale, Paper Size and under 'From – To', define the desired Start & End stations.
- Click the 'OK' button.
- In the opened window, define the DXF file's name, path and click the 'Save' button.

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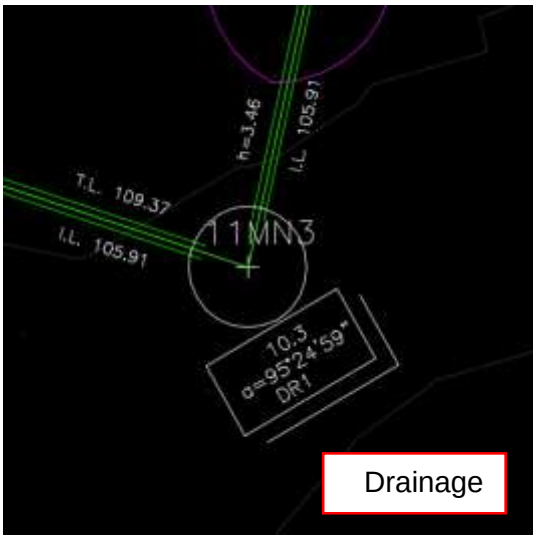
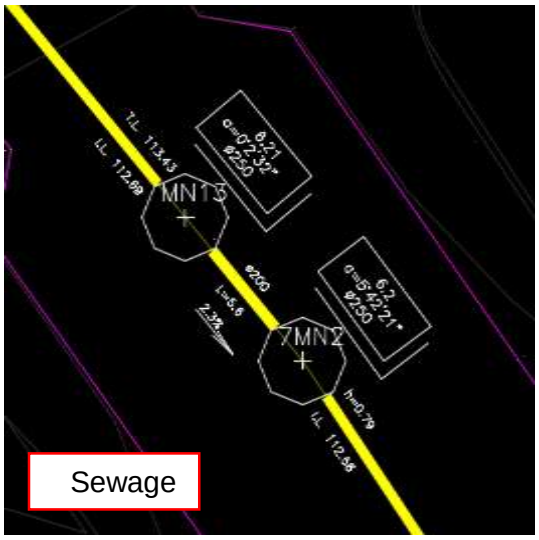
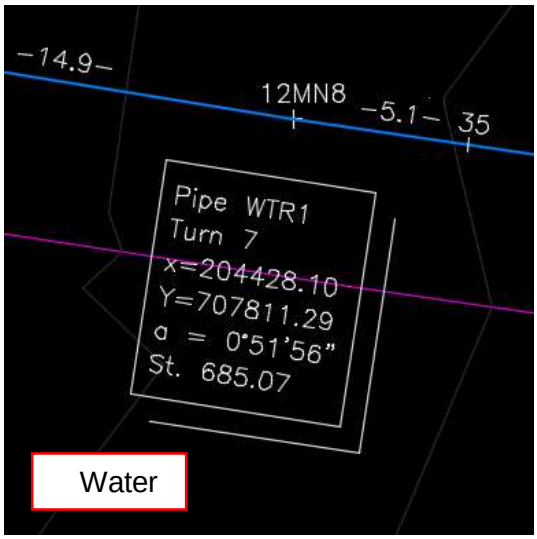
11. *Improved display of Manholes and Pipeline's data in Pipelines' layout*

We have improved the position of Manholes and Pipelines data display on Pipelines Layout drawing. Texts with different heights were combined to uniform height. Each manholes data is now displayed in a text box.







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