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MY PROJECTS

Your Site Solution

Welcome to the Contech DYO Design Suite! Our wide array of products offers you the solution for any situation.

With the most responsive team and the most cost-effective products, Contech has been helping engineers, contractors and owners on infrastructure and land development projects for more than a century.

- For reference, here is a [LINK](#) to the previous version of **DYODS**
- Click **CREATE NEW PROJECT** to add a project to your Project List
- To change **Project Title** or **Project Location** at any time, just click the Edit Project icon on the right
- Please feel free to **Contact Us** anytime at [513-645-7713](tel:513-645-7713) or rjohnson@conteches.com with any questions!
- We would love to hear from you - take our online anonymous survey to give **FEEDBACK HERE!**

- For quick help, move your mouse over an object to see a **Quick Hint** of what it does

Icon Legend

View/Hide Designs Edit Project Data Share Project Remove Project

CREATE NEW PROJECT

Sort By:

Project Name:

Check to HIDE Projects You Own:

Check to HIDE Projects You Are a Collaborator On:

Update

17 Projects Showing

Landing Page

- Upon logging into the system, you will be directed to our “Your Site Solution” Project Management page.
- Intuitive Search functions allow you to view designs you created, designs you have collaborated on. It also allows you to search for designs by date, or name.

Creating A New Project



The **CREATE NEW PROJECT** button will add a design project into your portfolio below. Click the pencil to input Project Information.

Project Information

Project ID: 20

Name: [Click here to enter PROJECT TITLE](#)

City: _____

State: _____

Country: _____

Zip: _____

Contact Name: _____

Contact Number: _____

Longitude: _____

Latitude: _____

Use My Location

Save **Cancel**

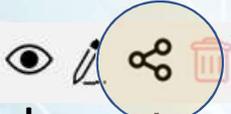
Your designs are located under the Project Name Tab. To add a new Detention System Design click “Add New Detention Design”

Project Number	Project Name	Project Location	# of Designs	Modified Date	
PRJ00230	*NEW PROJECT* Click the edit icon to set Project Information		0	6/8/2020	   

Add New Detention Design

Not Sure? Click [HERE](#) for our interactive product recommendation guide

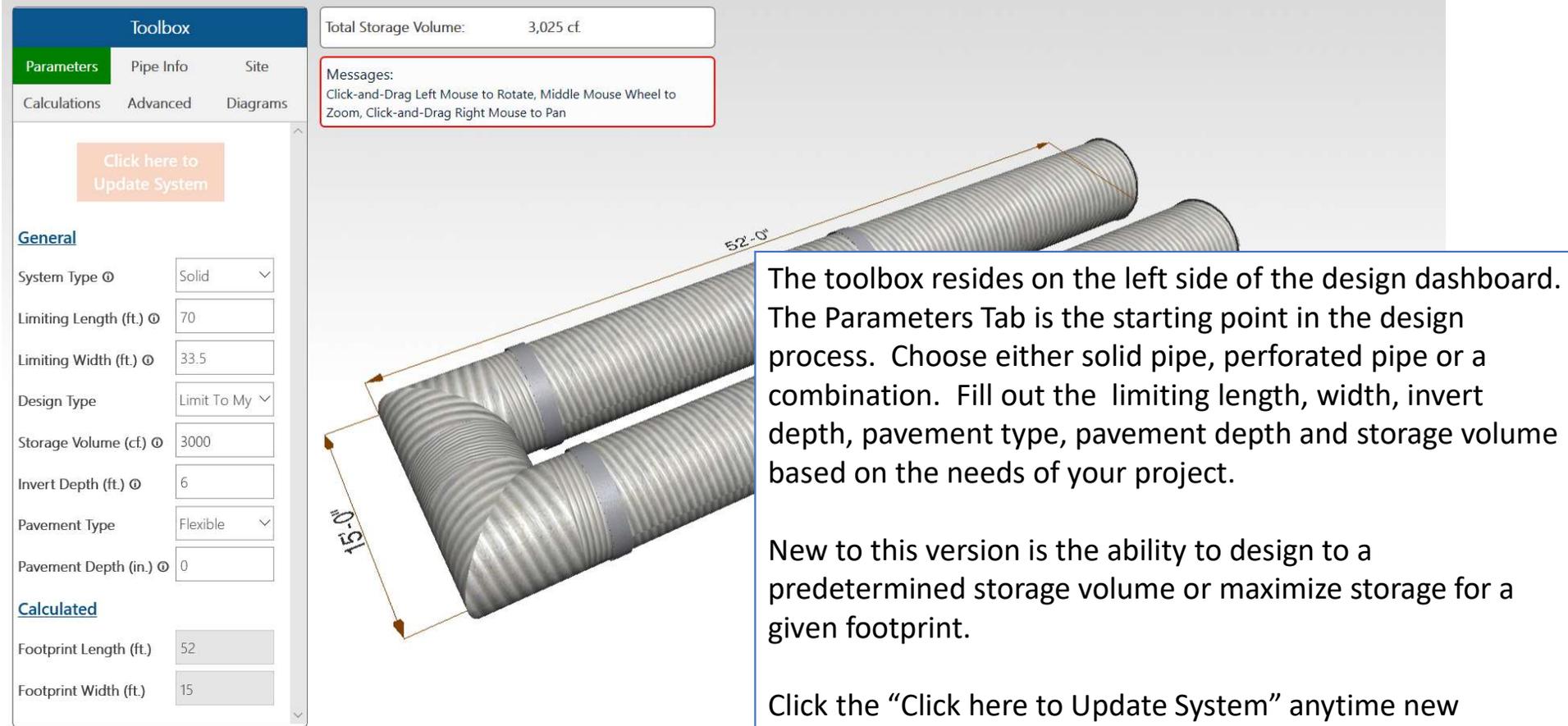
Introducing Contech Project Collaboration

- To share your project and designs click  the share button. You will be asked to provide an e-mail address to share the project with.
- The user will be notified via e-mail that they have been added as a Project Collaborator. The user must have an active account at www.conteches.com.
- Share with coworkers, contractors, manufacturing to improve the communication process.

Project Collaborators: msampson@conteches.com, rchapman@conteches.com

You are a Project Collaborator - [Click here to be removed from Project Collaborators](#)

The DYO Toolbox



The screenshot displays the DYO Toolbox software interface. On the left is a 'Toolbox' panel with tabs for 'Parameters', 'Pipe Info', and 'Site'. The 'Parameters' tab is active, showing input fields for 'System Type' (Solid), 'Limiting Length (ft.)' (70), 'Limiting Width (ft.)' (33.5), 'Design Type' (Limit To My), 'Storage Volume (cf)' (3000), 'Invert Depth (ft.)' (6), 'Pavement Type' (Flexible), and 'Pavement Depth (in.)' (0). Below these are 'Calculated' values: 'Footprint Length (ft.)' (52) and 'Footprint Width (ft.)' (15). A red-bordered box contains a message: 'Messages: Click-and-Drag Left Mouse to Rotate, Middle Mouse Wheel to Zoom, Click-and-Drag Right Mouse to Pan'. A 3D model of a pipe system is shown with dimensions of 52'-0" and 15'-0". A blue-bordered box contains text explaining the toolbox's location and usage.

Click here to Update System

Total Storage Volume: 3,025 cf.

Messages:
Click-and-Drag Left Mouse to Rotate, Middle Mouse Wheel to Zoom, Click-and-Drag Right Mouse to Pan

General

System Type \odot Solid \downarrow

Limiting Length (ft.) \odot 70

Limiting Width (ft.) \odot 33.5

Design Type Limit To My \downarrow

Storage Volume (cf) \odot 3000

Invert Depth (ft.) \odot 6

Pavement Type Flexible \downarrow

Pavement Depth (in.) \odot 0

Calculated

Footprint Length (ft.) 52

Footprint Width (ft.) 15

The toolbox resides on the left side of the design dashboard. The Parameters Tab is the starting point in the design process. Choose either solid pipe, perforated pipe or a combination. Fill out the limiting length, width, invert depth, pavement type, pavement depth and storage volume based on the needs of your project.

New to this version is the ability to design to a predetermined storage volume or maximize storage for a given footprint.

Click the “Click here to Update System” anytime new parameters are entered. The system will automatically update the design based on the new information provided.

Pipe Information & Calculations Tabs

The screenshot shows the 'Pipe Info' tab selected in the 'Toolbox'. The interface includes a 'Click here to Update System' button and several input fields for pipe specifications.

General

Click here to Update System

Diameter (in.)

Pipe Length (ft.)

Finish

Mainfold 1

Mainfold 2

Structural Backfill

Width at Ends (in.)

Above Pipe (in.)

Width at Sides (in.)

Below Pipe (in.)

Stone Porosity (%)

The Pipe Info Tab allows for customization for the pipe size and length.

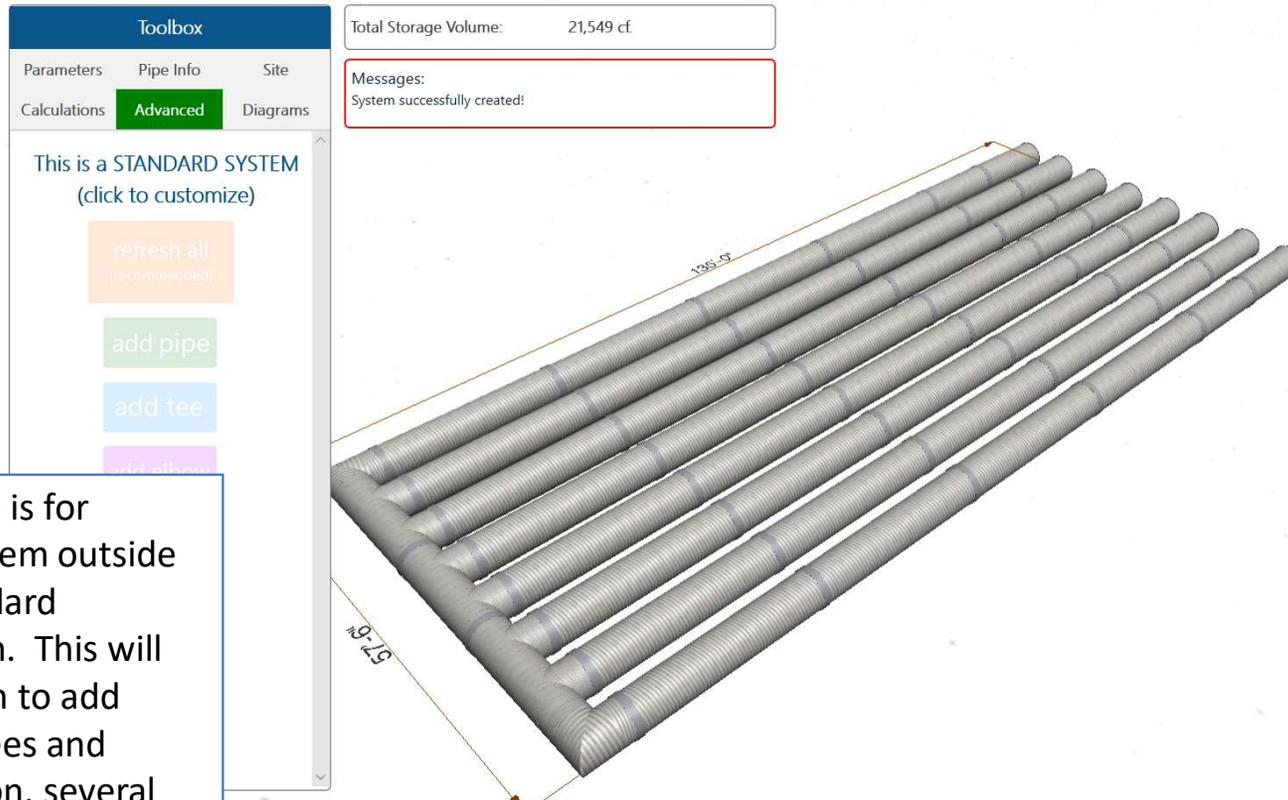
Manifold 1 and Manifold 2 checkboxes will place a manifold at the ends of the system. This manifold can be customized to any size under the "Advanced" section of Pipe Info by scrolling down. Check the "Use Recommended" box to go into advance edit mode.

The screenshot shows the 'Calculations' tab selected in the 'Toolbox'. It displays a table of project metrics under 'General' and 'Volume' sections.

General	
Loading:	HS20 & HS25
Total Linear Feet:	155 lf.
Volume	
Pipe Storage:	3,034 cf.
Stone Storage:	0 cf.
Total Storage:	3,034 cf.
Req. Storage:	3,000 cf.
Excavation:	251 cy.
Pavement:	0 cy.
Remaining Backfill:	42 cy.
Structural Backfill:	97 cy.
Footprint Area:	950 sq. ft.
Footprint Perimeter:	177 ft.

The Calculations Tab provides loading, and other project real-time calculations such as current storage, stone storage, and estimations for excavation, pavement, backfill and generated area and perimeter of the project.

Advanced Tab



The Advanced Tab is for customizing a system outside of Contech's standard rectangular design. This will provide the option to add additional pipe, tees and elbows. In addition, several removal tools have been added should you run into onsite issues.

Using The Select Tool To Work In Advanced Mode

Site Calculations **Advanced**

Diagrams

Diameter (in.) 60

Length (ft) *VARIES*

Rotation (deg.) 90

Corrugation 5x1

Gage 16

Finish ALT2

Wall Type Solid

Part ID D

update
'Enter' Key

deselect
'esc' Key

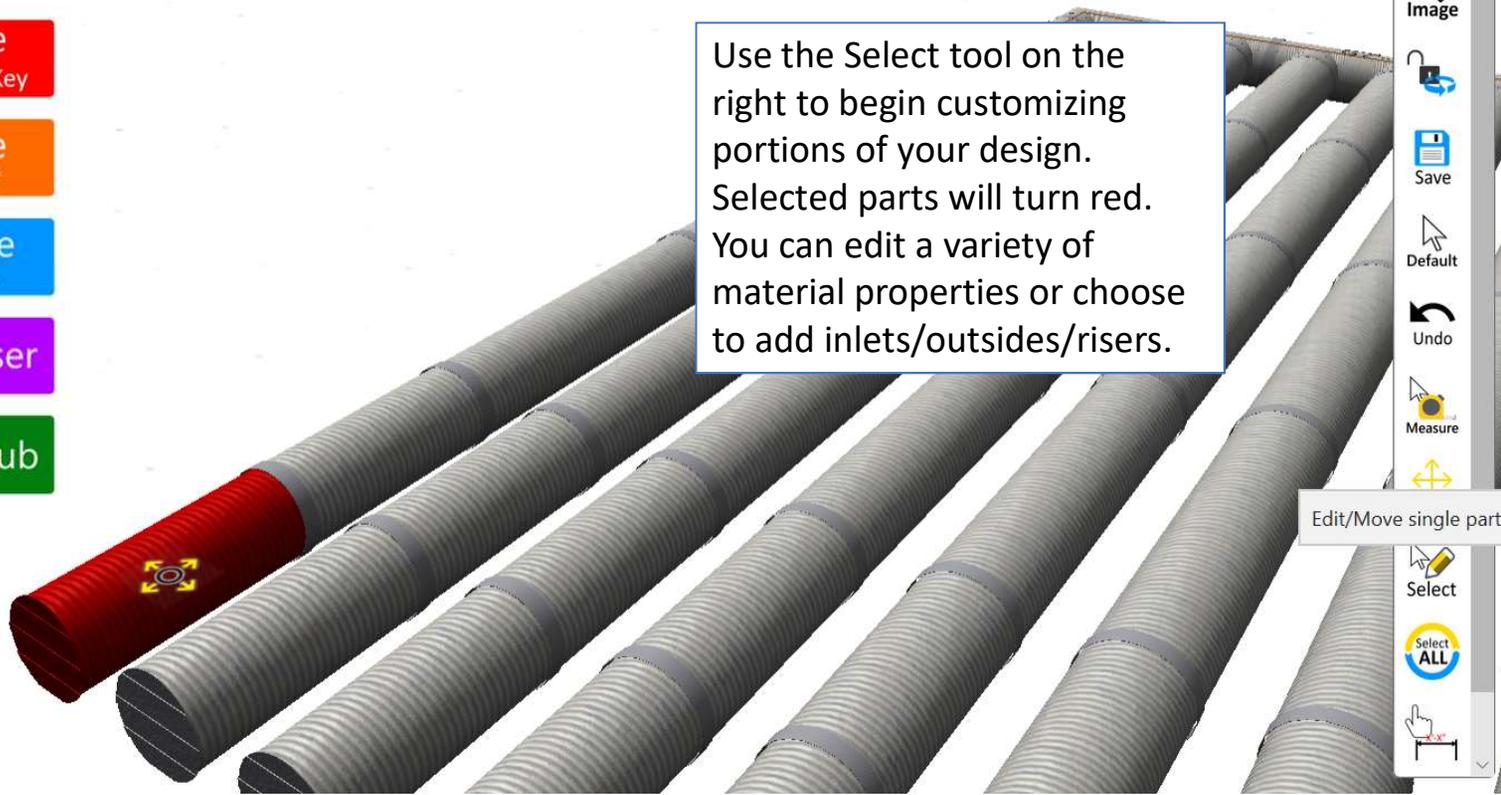
erase
'Delete' Key

clone
'CTRL + C'

Messages:
Click on part(s) to select and Move, Edit, Add Riser, Add Stub,
Clone, Rotate and more!
Press 'Esc' to deselect Parts

- erase
'Delete' Key
- clone
'CTRL + C'
- rotate
'R' Key
- add riser
- add stub

Use the Select tool on the right to begin customizing portions of your design. Selected parts will turn red. You can edit a variety of material properties or choose to add inlets/outsidies/risers.



3D Model

Image

Save

Default

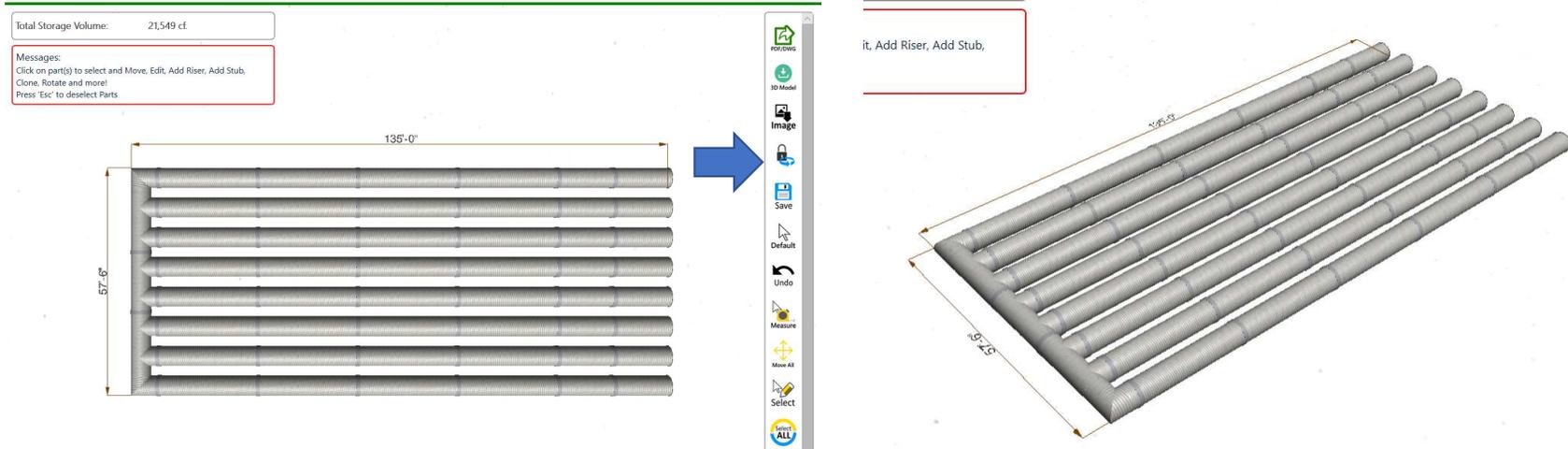
Undo

Measure

Edit/Move single part

Select

Select ALL



Click switch mode (Plan View or Orbital View)

Changing Between 2D & 3D Design Environments

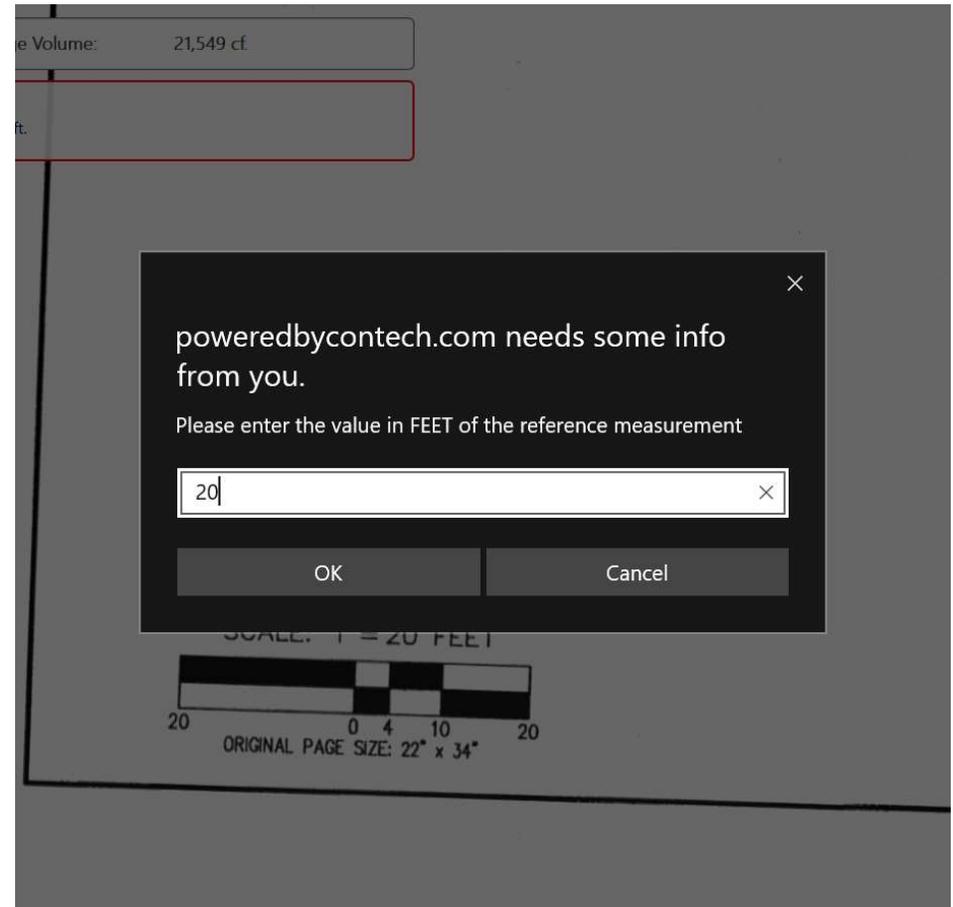
Importing A Site Plan PDF

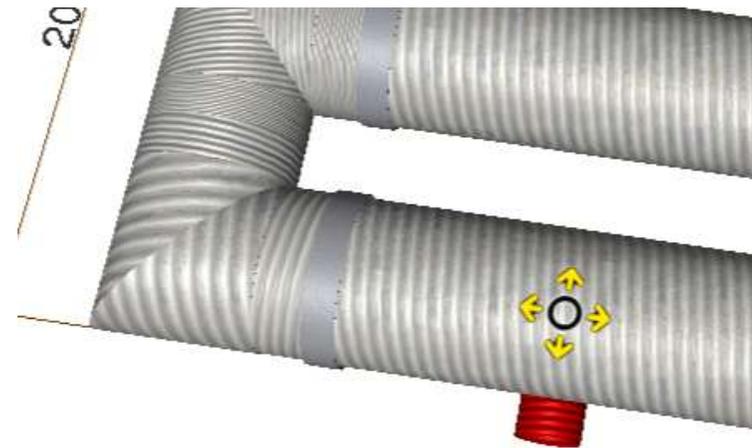
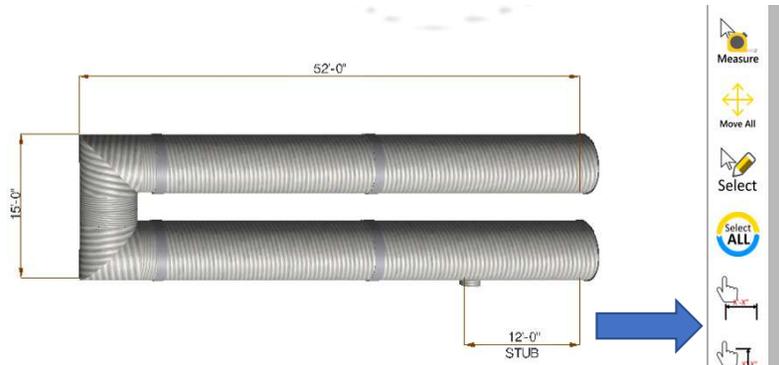
- The DYO Environment allows for site plans to be imported to improve the design experience.
- Using the Site Tab, click the Upload New Site Plan button and select the projects site plan PDF.
- You can toggle the plan on and off.
- The Type Drop Down allows for making your design transparent or showing only the systems footprint.

The screenshot displays the DYO software interface with a site plan PDF loaded. The interface includes a 'Toolbox' at the top with tabs for 'Site', 'Calculations', and 'Advanced'. Below the toolbox, there are instructions for loading and scaling the site plan. Two orange buttons are visible: 'Click here to Upload New Site Plan' and 'Click here to Scale Site Plan'. Under 'Plan Properties', there are input fields for 'Position' (set to 0), 'Type' (set to 'Normal'), and a checked checkbox for 'Show on Screen?'. A 'Messages' box on the right provides instructions: 'Click on part(s) to select and Move, Edit, Add Riser, Add Stub, Clone, Rotate and more! Press 'Esc' to deselect Parts'. A 'Total Storage Volume' box shows '21,549 cf'. The background shows a detailed site plan with various annotations and dimensions.

Scaling A Site Plan

- Hit the “Click Here to Scale Site Plan” button.
- Navigate to your drawing scale and choose a point to point distance on the scale. Input the correct distance.

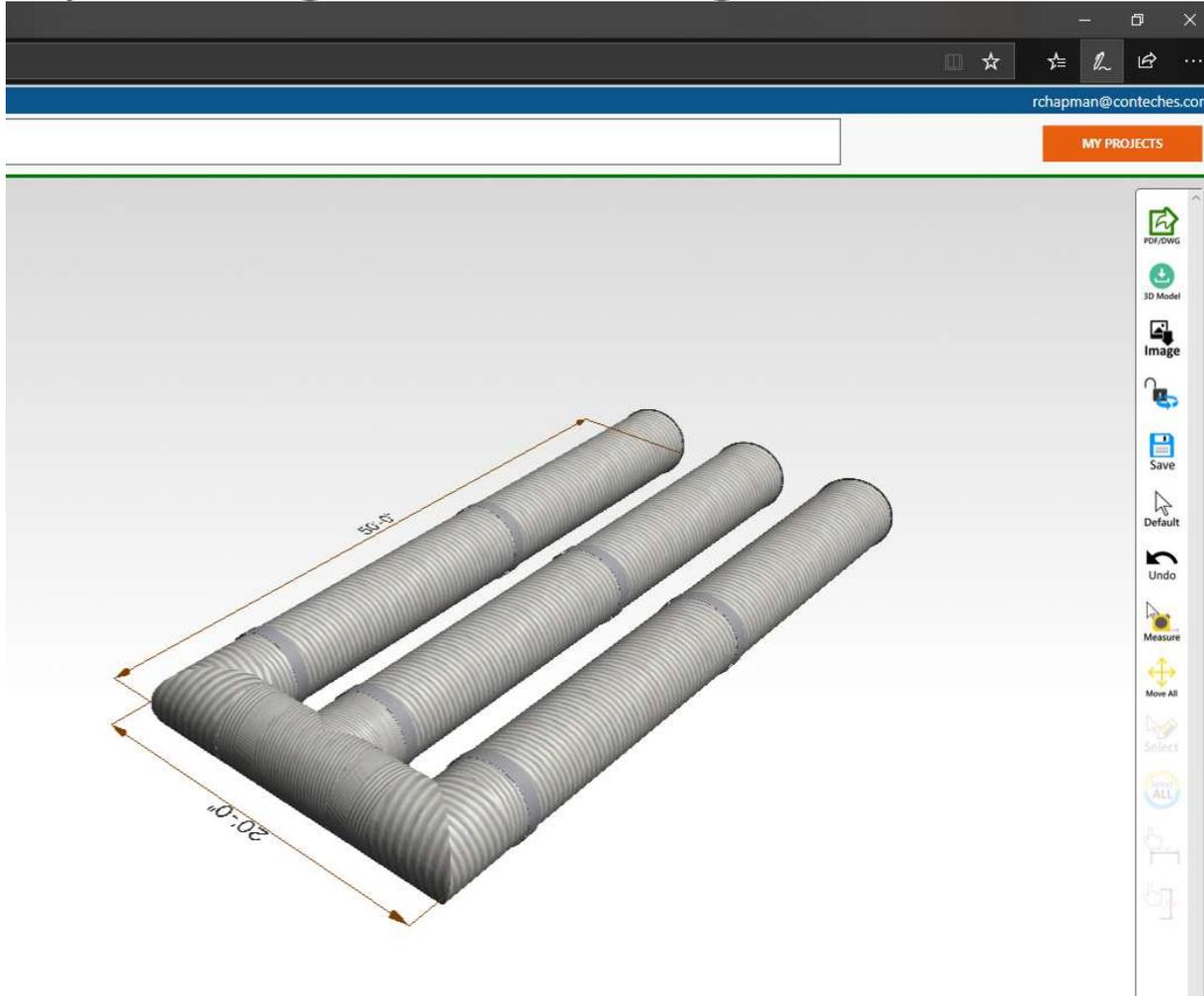




Dimensioning & Moving Parts

Use the horizontal and vertical dimensioning buttons to view and display point to point distances. Click on the dimension to change or move parts with an input to a required dimension. Drag and Drop also allows for parts to be moved. Click and Drag on the yellow multi direct

Exporting Your Design



Exports the layout drawing in both .pdf and .dwg file type. These will be e-mailed to the user. In addition, a storage calculation excel sheet will be sent.



Exports a BIM 3D Model for use in 3D project/CAD systems.



Exports a high quality .png graphic file based on the orientation of current design. Great for show casing the system designed and its location on a set of plans.