Table of Contents – Quick Reference for DYODS

DYO Design Suite - Released 06/10/2020

welcome, rchapman@conteches.com

DYO Project
design made easy.

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 or jjohnson@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: Date - Newest First

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: _____

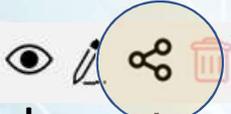Latitude: _____

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
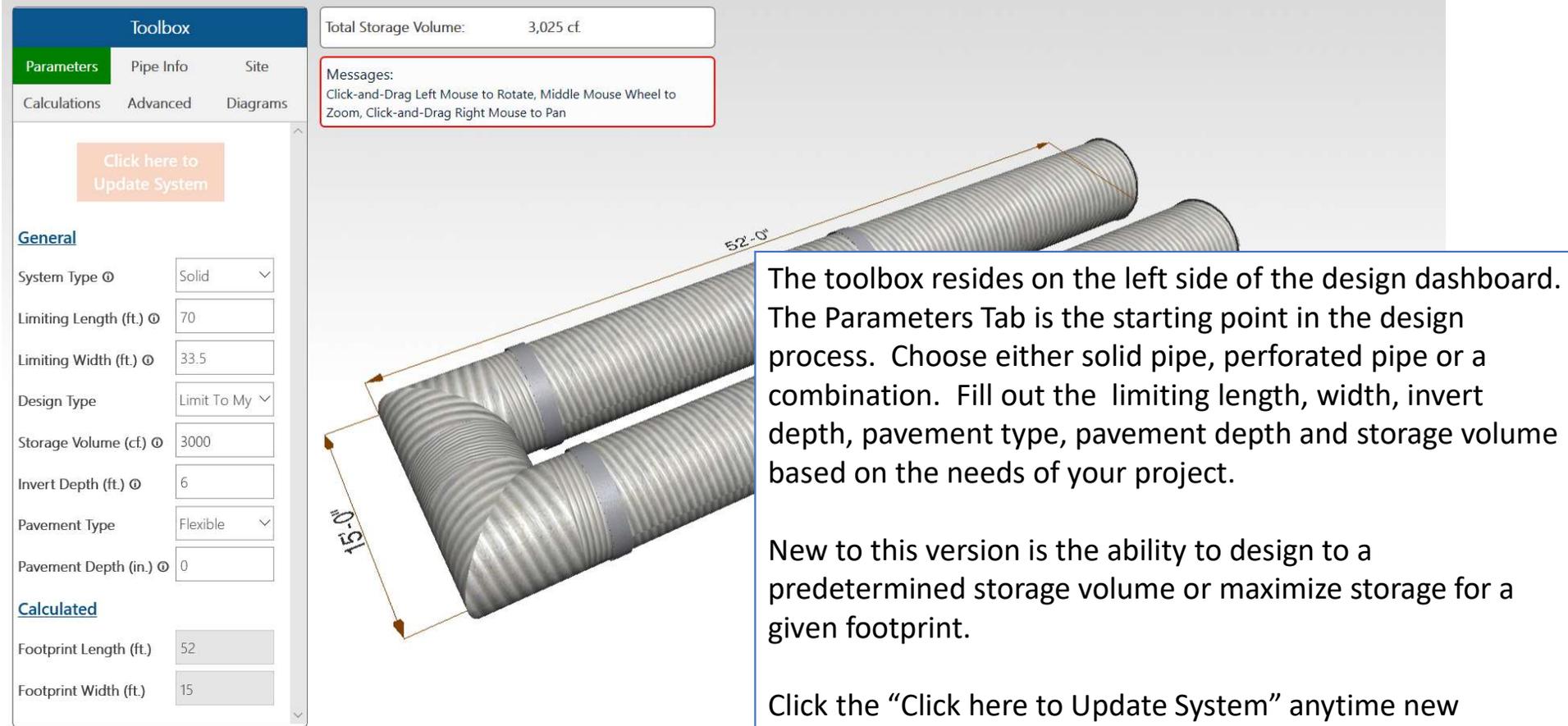
Introducing Contech Project Collaboration

- 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 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

Toolbox

| Parameters | Pipe Info | Site |
| Calculations | Advanced | Diagrams |

Click here to Update System

General

Diameter (in.)	60
Pipe Length (ft.)	25
Finish	ALT2
Mainfold 1	☑
Mainfold 2	☐

Structural Backfill

Width at Ends (in.) ⓘ	12
Above Pipe (in.) ⓘ	0
Width at Sides (in.) ⓘ	12
Below Pipe (in.) ⓘ	0
Stone Porosity (%) ⓘ	0

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.

Toolbox

| Parameters | Pipe Info | Site |
| Calculations | Advanced | Diagrams |

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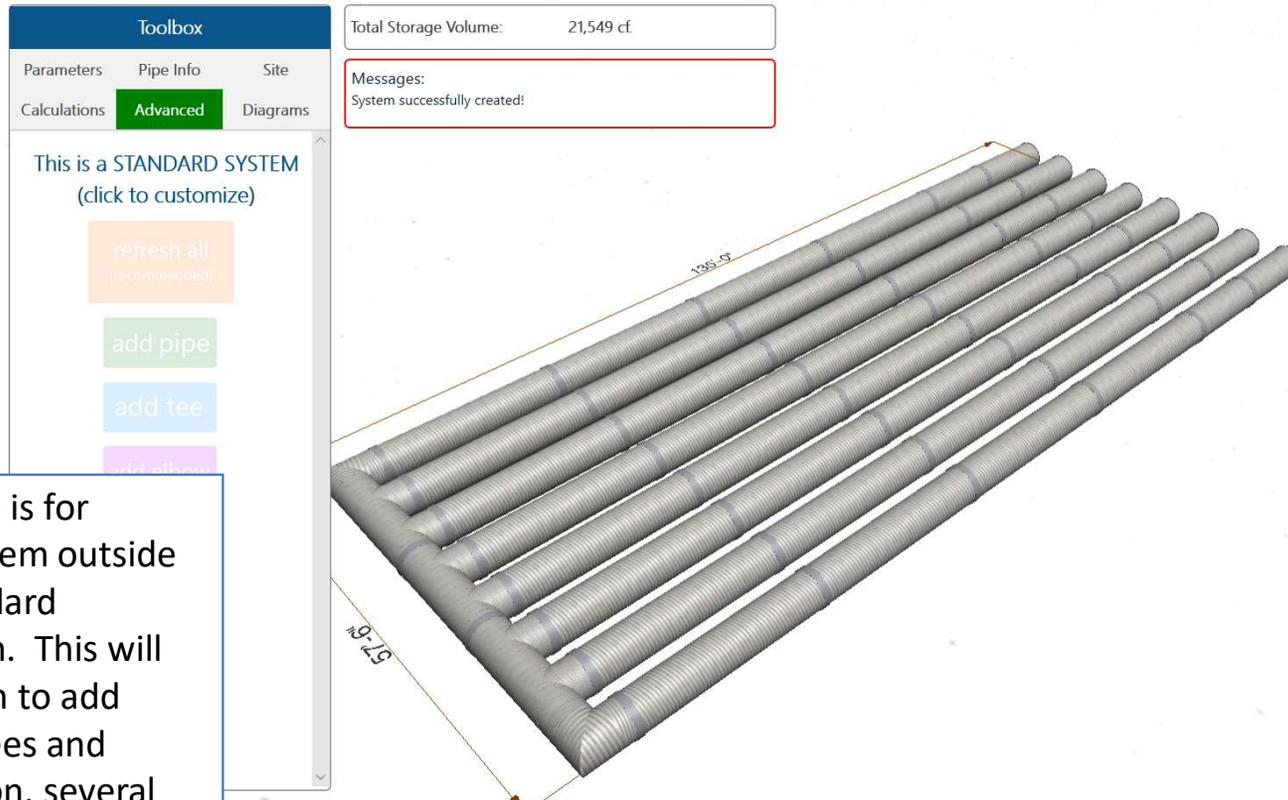
The Advanced Tab is for customizing a system outside of Contech's standard rectangular design. This will provide the option to add additional pipe, tees and elbows. In addition, several removal tools have been added should you run into onsite issues.

Using The Select Tool To Work In Advanced Mode

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/outsides/risers.
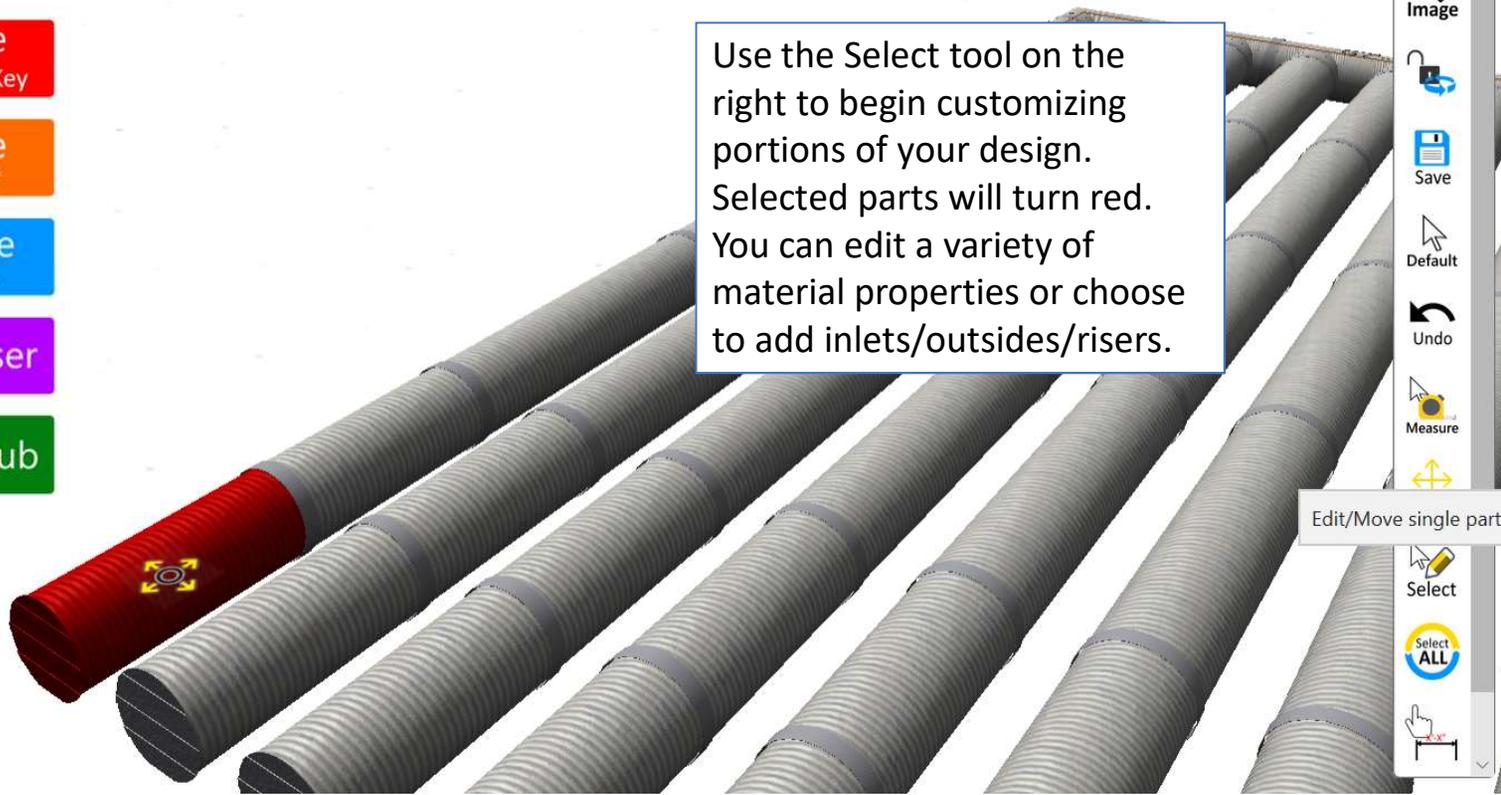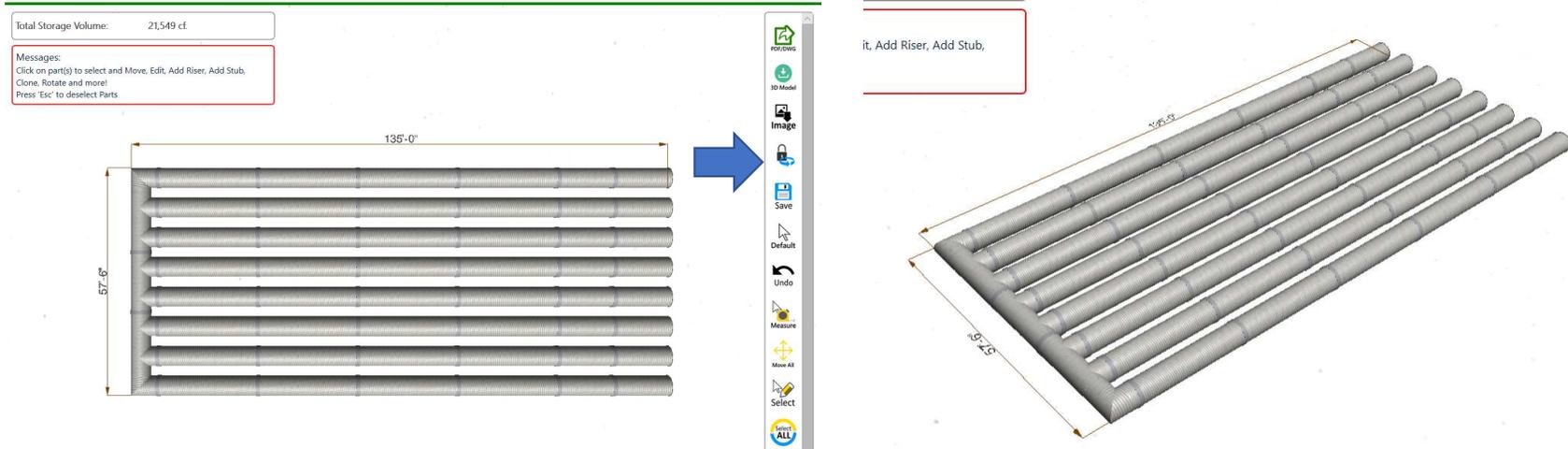
Click switch mode (Plan View or Orbital View)

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.

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.
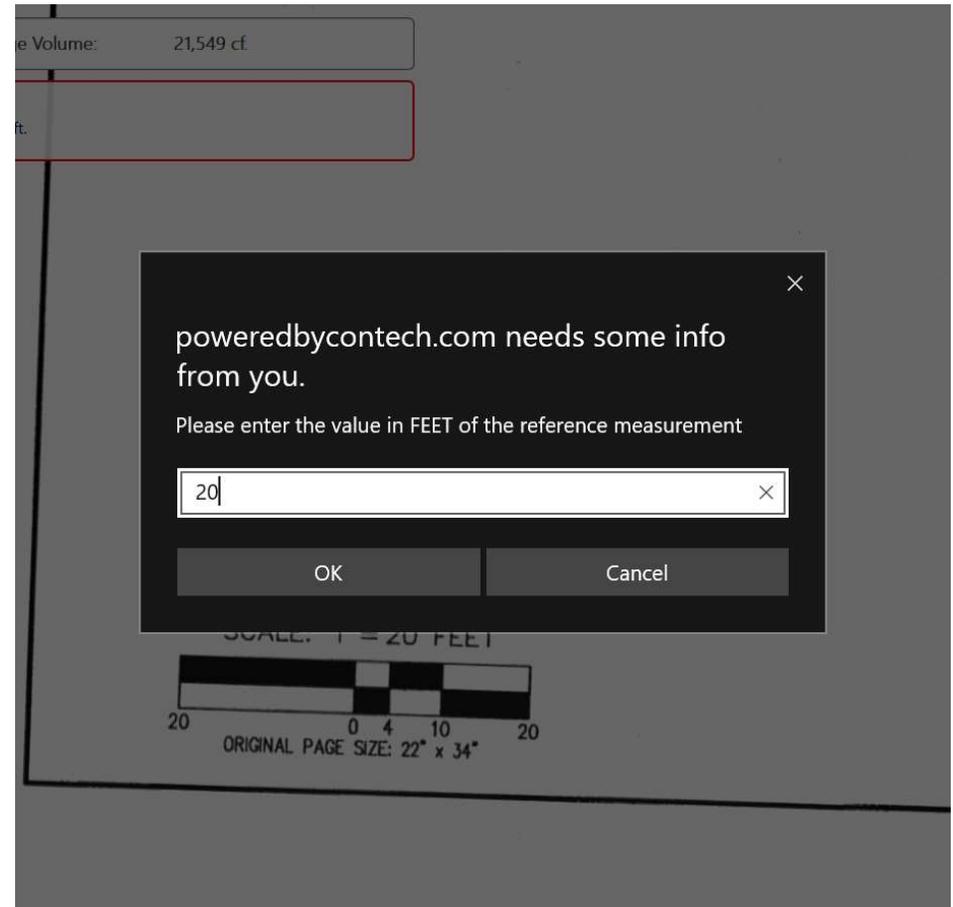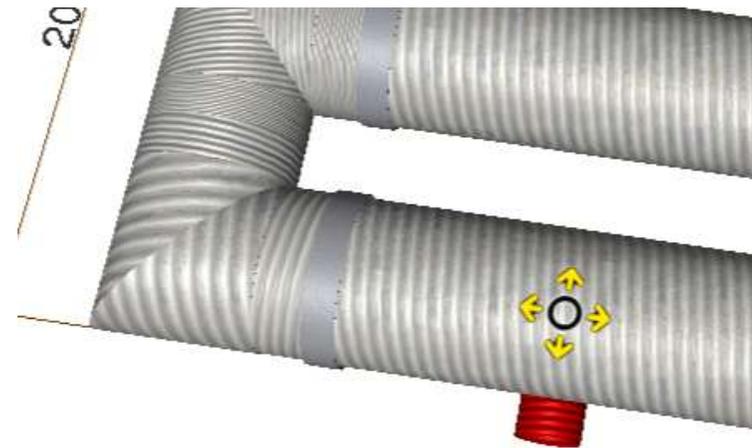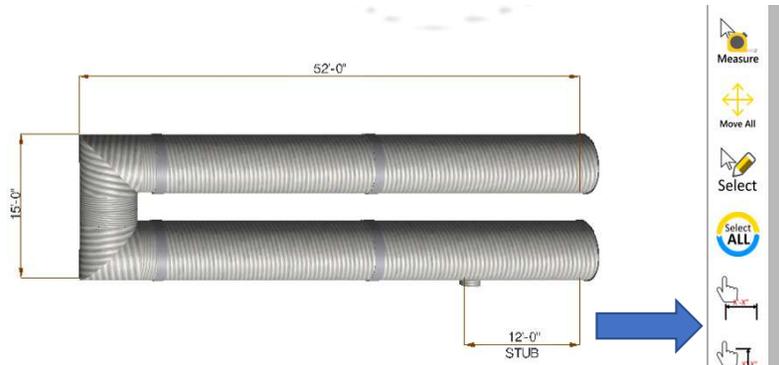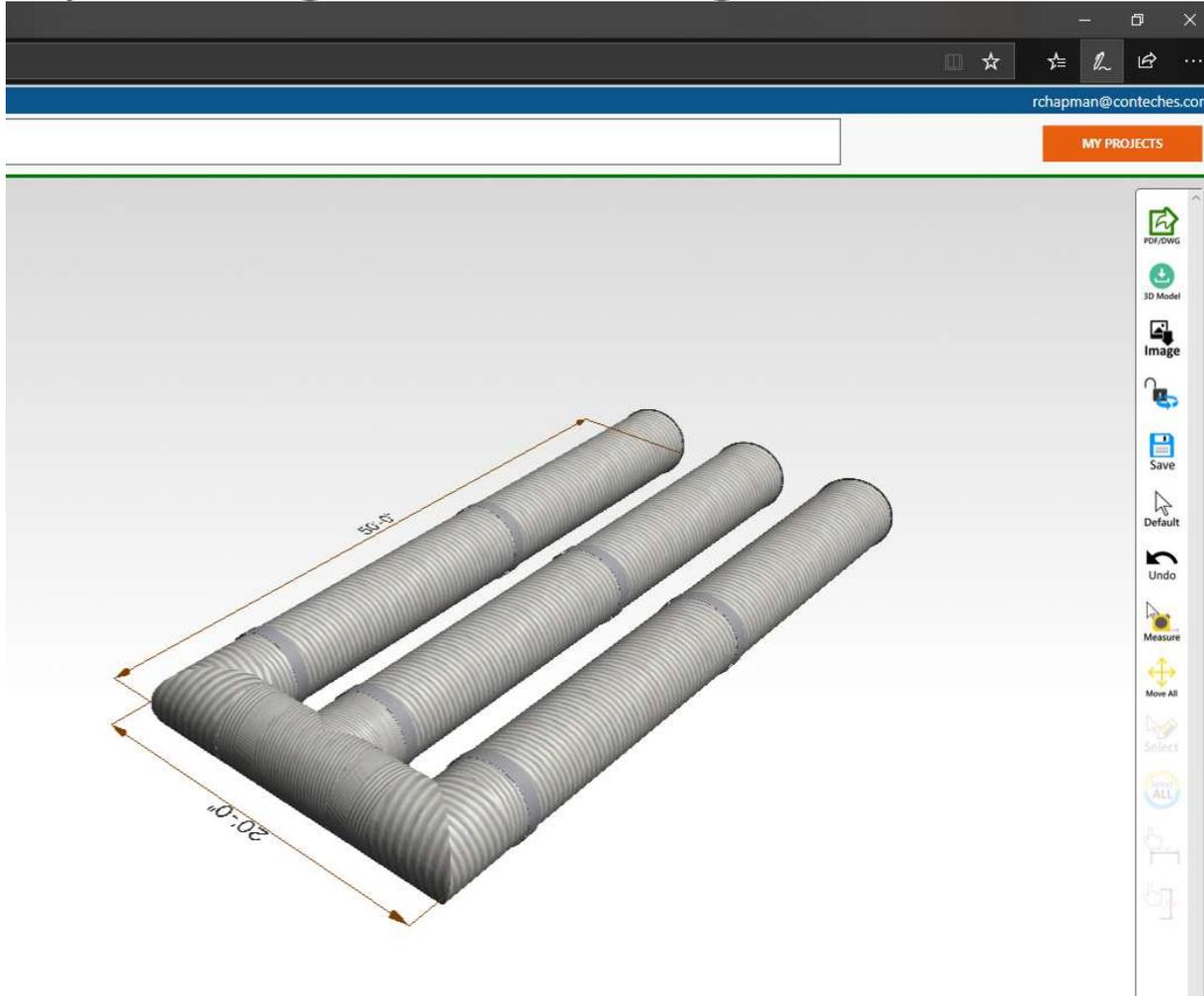
Dimensioning & Moving Parts

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

PDF/DWG — 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.

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

Image — 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.