

## Exercise 1: Share BIM and GIS data with your AEC team

### Technical note

In this exercise, you will use both ArcGIS Pro and ArcGIS Drone2Map to share data to ArcGIS Online.

1. You will make full use of web mapping services throughout this course. You will need a robust web connection to complete this exercise and the exercises that follow.
2. Use the latest version of Google Chrome, Mozilla Firefox, Apple Safari, or Microsoft Edge. Other web browsers may not display your maps and apps correctly.

**Note:** For information on supported web browsers for ArcGIS Online, go to ArcGIS Online Help:

Supported browsers (<https://links.esri.com/SupportedBrowsers>).

**Note:** For information on requirements for using Scene Viewer on either mobile devices or desktop web browsers, go to ArcGIS Online Help: Scene Viewer requirements (<https://links.esri.com/SceneViewerRequirements>).

### Software requirements

- ArcGIS Pro 3.1
- ArcGIS Drone2Map 2023.1
- An updated internet browser

### Introduction

Sharing your project content with your team and stakeholders—whether BIM files, CAD files, GIS data, drone imagery, or the products created from drone imagery—is an essential building block for greater integration of your AEC projects. Sharing your data to ArcGIS Online or to ArcGIS Enterprise, allows you to:

- Make smarter decisions
- Reveal pivotal insights
- Solve critical problems
- Promote better data exchange
- Support efficient project management
- Influence stronger collaboration
- Increase stakeholder communication
- Facilitate communication with teams in the field

When you share data to ArcGIS Online, it becomes available for use in other applications. You can incorporate data as part of dashboards or stories. You can include GIS and CAD files as part of web maps to share with your team. You can also create web scenes with 3D content using building scene layers or 3D mesh data.

Previously in this MOOC, you created a scene layer package from a building scene layer (Section 2) and several scene layer packages from drone imagery (Section 3). In a standard workflow, after those scene layer packages are created, you can immediately share them to ArcGIS Online.

**Note:** The exercises in this course include View Result links. Click these links to confirm that your results match what is expected.

### Scenario

In this exercise, imagine that you are a member of an AEC project team, and one of your colleagues would like to evaluate the location and proximity of Building E to a proposed new building located off-campus. To support this request, you will share the BIM and GIS data that you have been working with to ArcGIS Online. Using data created from a 3D mesh and a building model that you used in previous sections, you will share two scene layer packages for your colleagues.

**Estimated completion time: 30 minutes**

[Expand all steps ▼](#)

[Collapse all steps ▲](#)

#### - Step 1: Download the exercise data files

In this step, you will download the exercise data files.

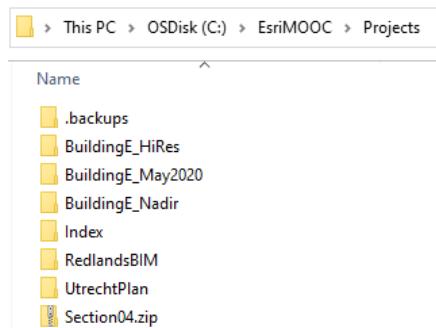
- a In a web browser, go to <https://links.esri.com/Section04> and download the Section04 ZIP file.

**Note:** The complete URL to the exercise data files is <https://www.arcgis.com/home/item.html?id=933a7502c1a049d08e2075202c9d6f48>.

- b Save the Section04 ZIP file to the C:\EsriMOOC\Projects folder.

This ZIP file contains two folders. One folder (RedlandsBIM) contains an ArcGIS Pro project containing a scene layer package of a BIM file near the Esri Redlands campus. The second folder (BuildingE\_HiRes) contains an ArcGIS Drone2Map project containing a scene layer package of a 3D mesh of Building E on the Esri campus.

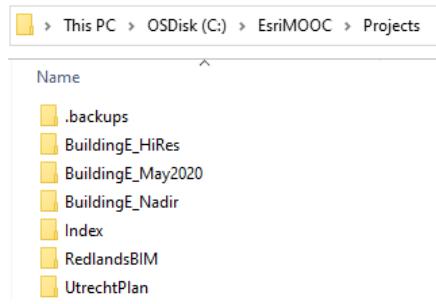
- c Extract the files to that same ..\EsriMOOC\Projects folder.



*Step 1c\*\*\*: Download the exercise data files.*

*Contents of your Projects folder may vary depending on  
if you completed the stretch goal in Section 3.*

- d If necessary to conserve disk space, remove the Section04.zip folder.



*Step 1d\*\*\*: Download the exercise data files.*

*Contents of your Projects folder may vary depending on  
if you completed the stretch goal in Section 3.*

- e When you are finished, close the web browser but leave File Explorer open.

You will use these projects to share the scene layers packages to ArcGIS Online.

## - Step 2: Share a 3D mesh to ArcGIS Online

In this step, you will share the 3D mesh of Building E to ArcGIS Online. The project file used in this step contains a pre-created scene layer package of the 3D mesh like what you created using ArcGIS Drone2Map.

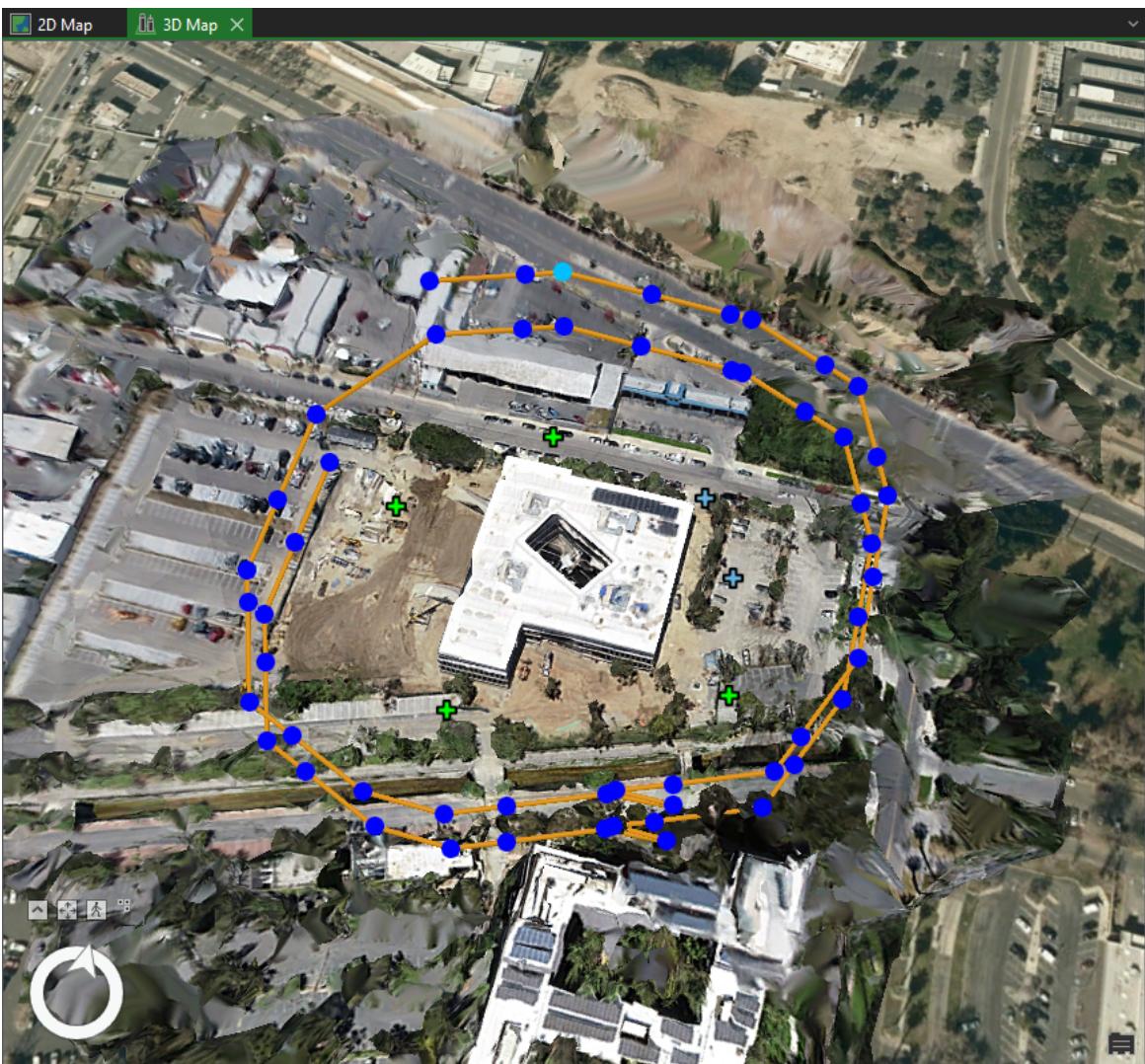
- a In File Explorer, browser to ..\EsriMOOC\Projects\BuildingE\_HiRes.

**Note:** You can open an ArcGIS Drone2Map project directly from File Explorer.

- b Double-click BuildingE\_HiRes.d2mx to open the project in ArcGIS Drone2Map.

**Note:** The file extension for an ArcGIS Drone2Map project is .d2mx. In the File Explorer window, on the View tab, in the Show/Hide group, you may need to enable the File Name Extensions option.

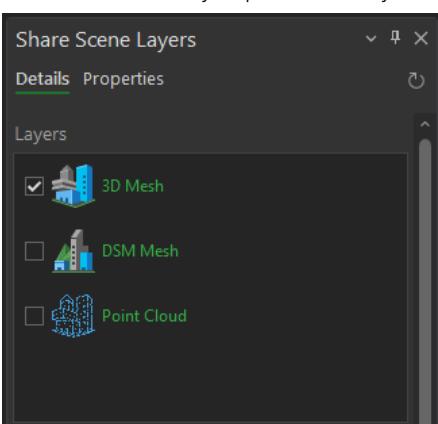
- c In ArcGIS Drone2Map, click the 3D Map tab to view the 3D mesh created from a High point density cloud.



*Step 2c\*\*\*: Share a 3D mesh to ArcGIS Online.*

You can share to ArcGIS Online directly from ArcGIS Drone2Map.

- d From the Share tab, in the Share As group, click Scene Layer.
- e In the Share Scene Layers pane, in the Layers section, check the box for 3D Mesh.



*Step 2e\*\*\*: Share a 3D mesh to ArcGIS Online.*

You can share multiple features to ArcGIS Online from Drone2Map, including feature layers, tile layers, and even imagery and elevation layers. These items are shared to an ArcGIS organization. ArcGIS organizations connect members from the same school, business, or other connected association. These organizations facilitate sharing between members and can also be customized to meet the organization's needs. In this project, you can share 3D Mesh, DSM Mesh, or Point Cloud layers. However, for exercise purposes, you will only share the 3D mesh of Building E.

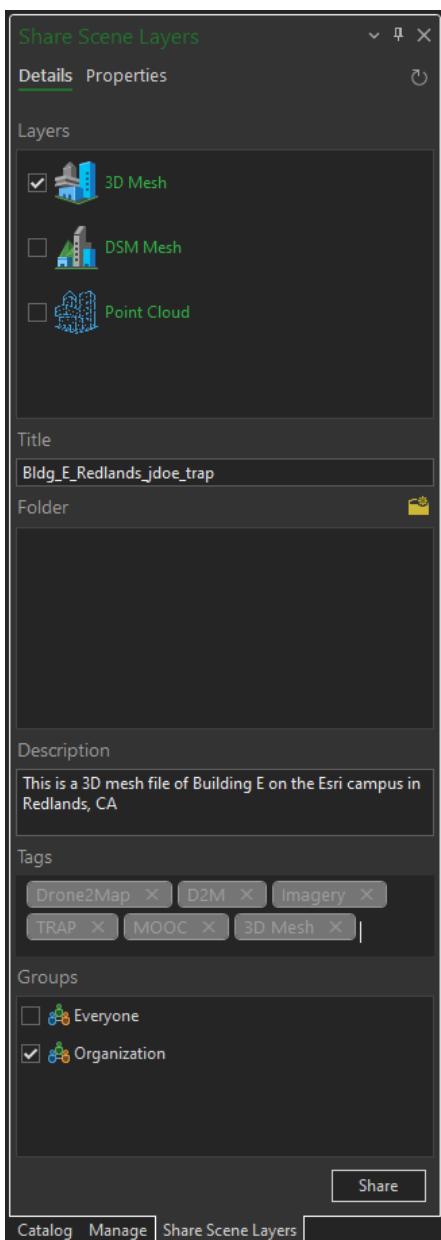
Next, you will provide a name for the scene layer as it will appear in ArcGIS Online.

- f In the Title field, type **Bldg\_E\_Redlands\_<MOOC student account>**.
  - Hint

For example, type **Bldg\_E\_Redlands\_jdoe\_trap**.

**Note:** Two layers with the *same name* cannot exist in a single ArcGIS organization, which is why adding your unique **MOOC student account** to the title is necessary. Adding your MOOC student account to the shared layer name ensures that other people in your organization, for this MOOC in this case, can also complete this exercise. After a layer has been created, if desired, you can rename it in the map to remove your initials. Changing the layer name in the map will not affect the name of the underlying shared data layer.

- g In the Description field, type **This is a 3D mesh file of Building E on the Esri campus in Redlands, CA**.
- h In the Tags field, add **TRAP**, **MOOC**, and **3D Mesh** as additional tags.
- i In the Groups section, check the box for Organization.



*Step 2i\*\*\*: Share a 3D mesh to ArcGIS Online.*

- j Click Share.
- k Exit ArcGIS Drone2Map.

Both the 3D mesh, as a new web scene layer, and the original scene layer package are shared to ArcGIS Online. In the next step, you will verify the location and properties of the 3D mesh scene layer.

#### - Step 3: Add a scene layer to a scene view in ArcGIS Online

Now that your data is in ArcGIS Online, you and those you share it with can use it for visualization and analysis. Before letting your colleague know that the data is available, you will examine its properties and then open the data in Scene Viewer.

- Open a web browser in private or incognito mode.

**Note:** To learn how to enable private browsing, see this How to Enable Private Browsing on Any Web Browser article (<https://links.esri.com/HowToBrowse>).

- In the address bar, type **www.arcgis.com** and press Enter.
- Click Sign In.
- Under ArcGIS Login, type your MOOC course ArcGIS username and password, and then click Sign In.
- On the Transform AEC Projects With GIS And BIM Home page, click the Content tab.
- On the My Content tab, under Title, notice the two files that are listed.

The screenshot shows the 'My Content' tab in ArcGIS Online. There are two items listed under the 'Title' section. The first item is 'Bldg\_E\_Redlands\_jdoe\_trap 3D Mesh' with a 'Scene Layer (hosted)' icon. The second item is also 'Bldg\_E\_Redlands\_jdoe\_trap 3D Mesh' with a 'Scene Layer Package' icon. Both items have a star icon and three dots for more options.

*Step 3f\*\*\*: Add a scene layer to a scene view in ArcGIS Online.*

You will see two files listed on the My Content tab; these are the files that you just shared. One is a scene layer (hosted), and the other is a scene layer package. Hosted scene layers support fast map visualization of three-dimensional data using a collection of cached tiles as well as an associated hosted feature layer. The tiles and feature layers are created when you publish 3D data from ArcGIS Pro. You can view the scene layer directly in ArcGIS Online. The scene layer package can be shared to others on your project team and used in either ArcGIS Drone2Map or ArcGIS Pro.

- Click the Bldg\_E\_Redlands\_<MOOC student account> 3D Mesh scene layer, as indicated in the following graphic.

The screenshot shows the 'My Content' tab again. The 'Bldg\_E\_Redlands\_jdoe\_trap 3D Mesh' item is highlighted with a red box. A cursor is hovering over the item's name. The other item, 'Bldg\_E\_Redlands\_jdoe\_trap 3D Mesh', is also visible.

The item page for the scene layer opens. Each content item in ArcGIS Online includes an item page with a variety of information, actions, options, and settings organized by tab.

The screenshot shows the item page for 'Bldg\_E\_Redlands\_jdoe\_trap 3D Mesh'. The top navigation bar has tabs for 'Overview', 'Usage', and 'Settings'. The 'Overview' tab is active. The main content area includes a thumbnail, a title '3D Mesh', a description ('Scene Layer - Integrated Mesh (hosted) by jdoe\_trap'), and details like 'Created: Sep 7', 'Updated: Sep 7', and 'View Count: 10'. On the right, there's a sidebar with actions like 'Open in Scene Viewer', 'Open in ArcGIS Pro', 'Share', and 'Replace Layer'. Below the main content, there are sections for 'Description', 'Layers', 'Terms of Use', 'Details', and 'Share'.

*Step 3g\*\*\*: Add a scene layer to a scene view in ArcGIS Online.*

On the item page, you will see the description and tags that you added in ArcGIS Drone2Map when sharing the 3D mesh. Other information on this page includes the terms of use, the folder in your organization where the scene layer is hosted, any credit or attribution specifics, as

well as other information.

For more information on the item page for your data, go to ArcGIS Online Help: Item details.

- h Scroll through the item page to answer the following questions.

**?** What type of scene layer is this file?  
- Answer  
This file is an integrated mesh (hosted) file.

**?** Who is the owner of this data?  
- Answer  
Your MOOC student account is the owner. For each item shared to ArcGIS Online, you own the data that you share.

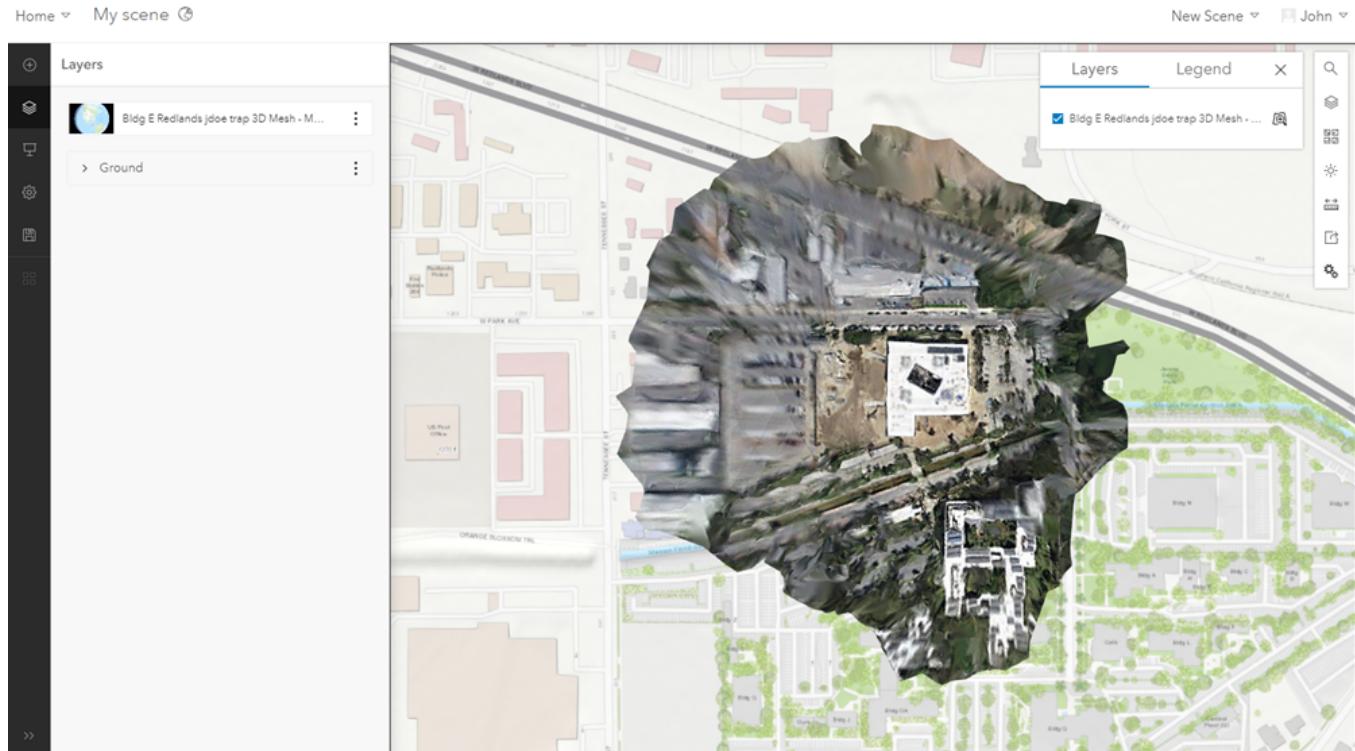
**?** What is the source of this data?  
- Answer  
The source of the data is a scene service; clicking the link takes you to the Representational State Transfer (REST) location of the tile service.

- Hint

Click the View link next to URL.

**?** What are the terms of use associated with this file?  
- Answer  
At this point, there are none. You can click Edit to add this information. Because you own the file, you can add as much of this metadata as necessary for your project team.

- i On the item page, click Open In Scene Viewer.



*Step 3i\*\*: Add a scene layer to a scene view in ArcGIS Online.*

The 3D mesh scene layer opens in Scene Viewer in ArcGIS Online, which is a web browser-based application for viewing and interacting with 3D scenes.

- j On your own, navigate in the scene view to examine the 3D mesh.

- Hint

If necessary, review ArcGIS Online Help: **Scene navigation**.

- k After you have finished exploring the building, navigate to view the west side of the building (that is looking east in your scene), as shown in the following graphic.



While navigating in Scene Viewer, you may have noticed that the 3D mesh is well-aligned with the terrain. In the next step, you will use analysis tools to compare the elevation profile of the 3D mesh against that of the terrain.

- Step 4: Verify and adjust a scene layer

Elevation discrepancies can appear in ArcGIS Drone2Map outputs if control is not used during processing or if the control accuracy is low. Although your 3D mesh appears to be correctly positioned vertically in your scene, closely matching the elevation service in ArcGIS Online, you will perform a quick elevation profile analysis to determine if there is any vertical offset.

- a On the right side of the scene view, click the Analyze button .
- b Click the Elevation Profile button .

This tool creates an elevation profile along a line segment and displays that elevation information about your 3D features or meshes.

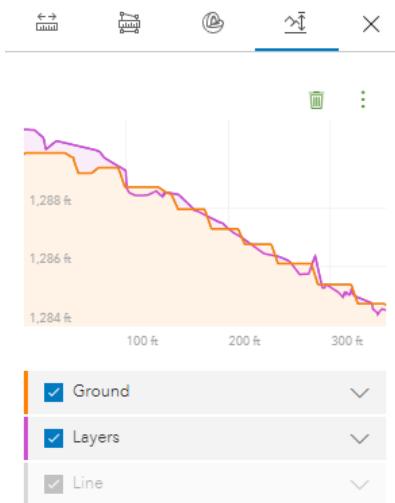
- c In the scene view, move your cursor over the road just to the north of Building E and click to start a line, as indicated in the following graphic.



- d Drag your cursor along the road and double-click to complete the line segment, as indicated in the following graphic.



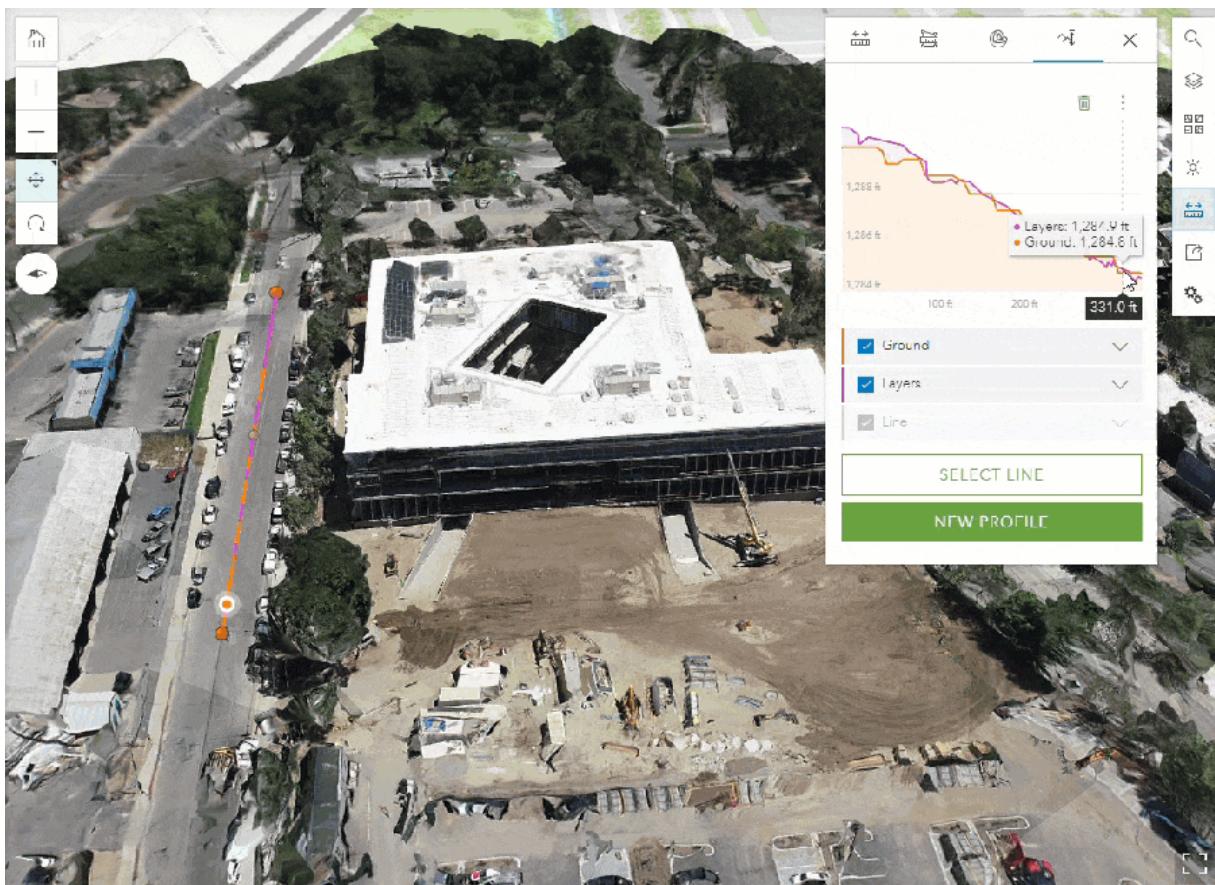
Note: As you extend the line segment along the street, the Elevation Profile window updates automatically.



*Step 4d\*\*\*: Verify and adjust a scene layer.*

In the Elevation Profile window, the orange Ground line represents the elevation profile of the ground or terrain in the ArcGIS Online elevation service included in the scene. The Layers line represents the elevation profile of 3D objects that are visible in the current scene view, including 3D buildings, integrated 3D meshes, and other features with 3D styles. Point cloud scene layers do not generate an elevation profile. The Ground profile is always generated if there is elevation where you draw the line. You can inspect these elevation points along the transect line (the straight line that you drew along the road) in the Elevation Profile window.

- e In the Elevation Profile window, move your cursor and notice a point moving along your drawn line on the road, as indicated in the following animation.



Replay

**Note:** The values in your Elevation Profile may differ slightly from the preceding animation, depending on where on the road that you drew your line.

The elevation values for the Ground and Layers are shown as well as the distance from the start point. Graphically, you can observe that the layer profile (your 3D mesh of Building E) is fairly in line with the elevation profile value. Now you will turn your attention to the line segment itself in Scene Viewer.

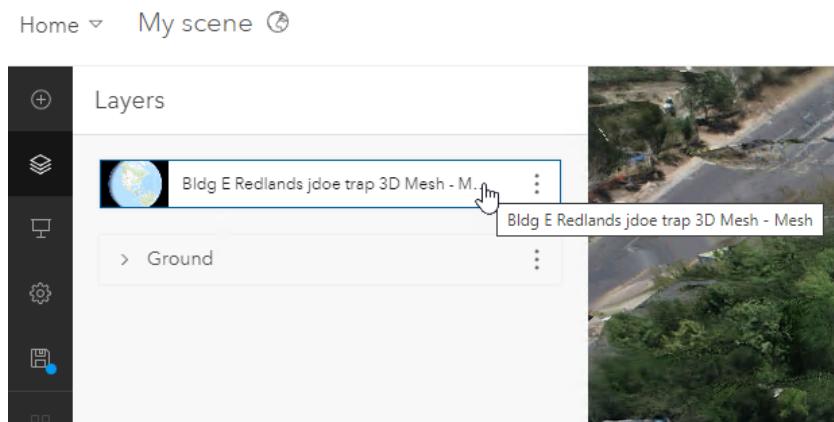
The offset between the 3D mesh and the terrain is negligible. The elevation profile for the line that you drew demonstrates that the road slopes downward approximately six feet over a horizontal distance of about 350 feet (your actual slope may vary slightly from the example in this

exercise). You can navigate in the scene to see how closely the elevation profile is aligned between the 3D mesh and the terrain.

The accuracy of your 3D mesh is a result of the high-precision drone imagery having been processed with highly accurate GCPs. Had the GCPs not been included during processing, the 3D mesh could have been offset vertically from the terrain by about 30 meters (approximately 98 feet).

While the horizontal accuracy of your 3D mesh is acceptable, it is possible to adjust the 3D mesh layer in the event of a vertical discrepancy.

- f In the Layers panel, locate the Bldg E Redlands <MOOC student account> 3D Mesh - Mesh layer.



- g Click the Bldg E Redlands <MOOC student account> 3D Mesh - Mesh layer.

**Bldg E Redlands jdoe trap 3D ...** 

 [Scene Layer \(Integrated Mesh\) by jdoe\\_trap](#)

Elevation mode: Absolute height

Offset: 0 m

Visibility range: min - max

*Step 4g\*\*\*: Verify and adjust a scene layer.*

The Layer Properties panel opens for this 3D mesh layer.

ArcGIS Online allows you to adjust the offset of the 3D mesh layer in the event that you need to account for a vertical discrepancy between the 3D mesh layer and the terrain.

- h For Offset, type **-30**.

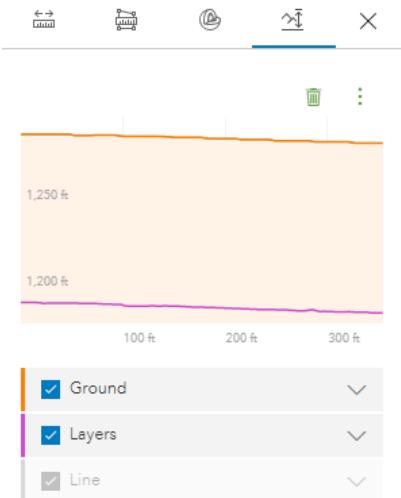
Offset:  m

*Step 4h\*\*\*: Verify and adjust a scene layer.*

**Note:** The Offset field accepts both positive and negative values. In this example, the negative value is setting the 3D mesh layer 30 meters lower in elevation. A positive value would offset the 3D mesh layer higher in elevation.

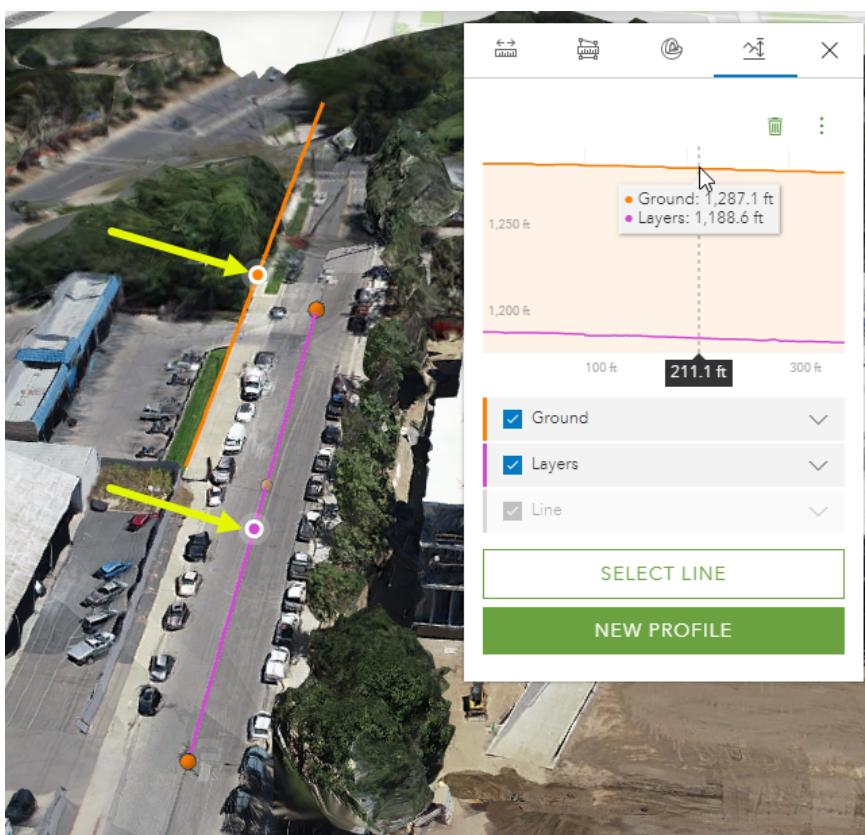
- i Click Done.

The Elevation Profile window and the line in your scene update automatically.



*Step 4i\*\*\*: Verify and adjust a scene layer.*

- j Using what you learned earlier in this step, in the Elevation Profile window, move your cursor back and forth along the transect line, as indicated in the following graphic.



You can observe that the Layers elevations are now about 30 meters below the Ground in most locations. The Ground and Layers line segments in the 3D environment also show this significant offset, with the Ground line appearing to hover over the Layers line along the street.

Although the original offset of zero meters was a more accurate representation of the scene elevations, you can see how you could use an offset in cases when your 3D layers contain vertical discrepancies.

You will now return the offset to its default value, and then you will save the web scene.

- k In the Layer Properties panel, set the Offset back to **0 m**.

- l Click Done.

- m Close the Elevation Profile window.

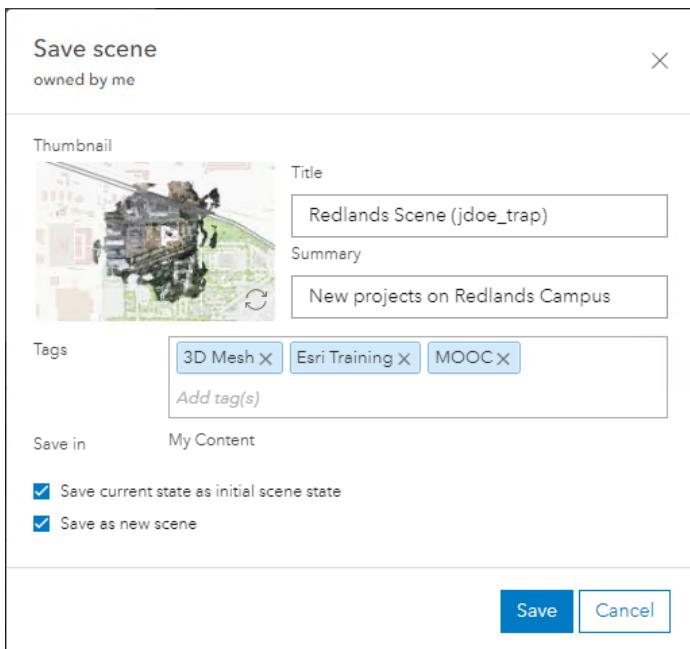
- n Click the Initial View button .

- o Click the Save button .

- p In the Save Scene dialog box, specify the following information:

- For Title, type **Redlands Scene (<MOOC student account>)**.

- For Summary, type **New projects on Redlands Campus**.
- For Tags, type **3D Mesh, Esri Training, MOOC**.
- Ensure that the Save Current State As Initial Scene State and Save As New Scene boxes are checked.



*Step 4p\*\*\*: Verify and adjust a scene layer.*

q Click Save.

Now that you have added your 3D mesh of Building E, you will add a building scene layer to the web scene.

r Leave your web browser open.

- Step 5: Share a building scene layer to ArcGIS Online

You also have a scene layer of a building located near the Esri campus in Redlands, California, created from BIM data. You will follow a similar set of steps to configure, verify the location, and share the building scene layer to ArcGIS Online.

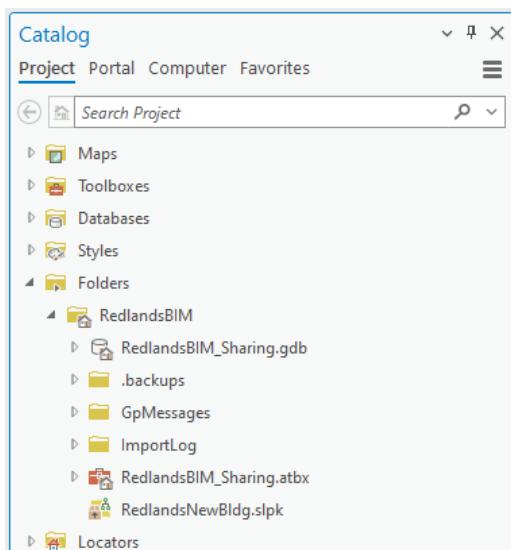
a In File Explorer, browse to ..\EsriMOOC\Projects\RedlandsBIM.

In a manner similar to an ArcGIS Drone2Map project, you can also open an ArcGIS Pro project directly from File Explorer.

b Double-click RedlandsBIM\_Sharing.aprx to open this project in ArcGIS Pro.

**Note:** The file extension for an ArcGIS Pro project is .aprx. In the File Explorer window, on the View tab, in the Show/Hide group, you may need to enable the File Name Extensions option.

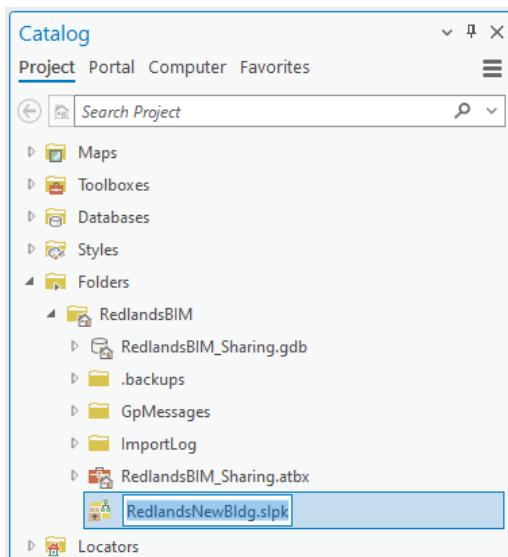
c In the Catalog pane, expand Folders, and then expand the RedlandsBIM folder.



*Step 5c\*\*\*: Share a building scene layer to ArcGIS Online.*

**Note:** As with the 3D mesh that you shared earlier, two layers with the same name cannot exist in a single ArcGIS organization. For this exercise, you must change the scene layer package name and add your MOOC student account to the title. Adding your MOOC student account to the shared layer name ensures that other people in your organization can also complete this exercise; however, in a standard workflow, modifying the shared layer name is something that you must be aware of when sharing data within the same organization in ArcGIS Online or ArcGIS Enterprise. If everyone in your organization is using the same online asset for editing, visualization, and analysis, then renaming the scene layer package would not be necessary. In this instance, it is merely a required rubric for the completion of this MOOC exercise. Similar to when you shared the 3D mesh, after a layer has been created, if desired, you can rename it in the map to remove your initials. Changing the layer name in the map will not affect the name of the underlying shared data layer.

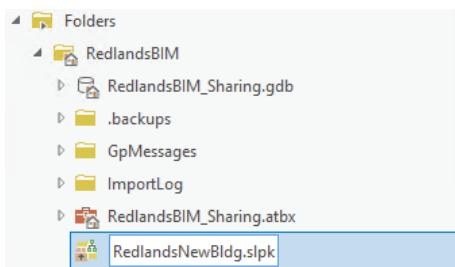
- d Within the folder, you will see the RedlandsNewBldg scene layer package file. It is from this file that you will share your building scene layer to ArcGIS Online. You can rename the scene layer package file to a unique name in the Catalog pane.
  - e In the Catalog pane, right-click RedlandsNewBldg.slpk and choose Rename.
- Note:** The file extension for a scene layer package is .slpk. File extensions like this one are visible in the Catalog pane.
- f Notice that the building scene layer name is now editable.



*Step 5f\*\*\*: Share a building scene layer to ArcGIS Online.*

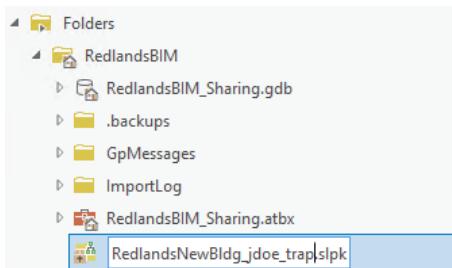
You can now modify the building scene layer name with a unique name.

- g Click the name to activate the cursor in the name field.



*Step 5g\*\*\*: Share a building scene layer to ArcGIS Online.*

- h Type \_<MOOC student account> to the end of the file name.

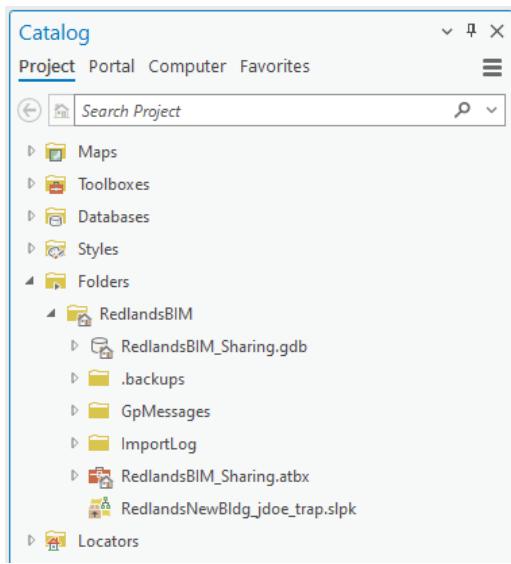


*Step 5h\*\*\*: Share a building scene layer to ArcGIS Online.*

- Hint

For example, type **RedlandsNewBldg\_jdoe\_trap.slpk**.

- i Press Enter to update the file name.



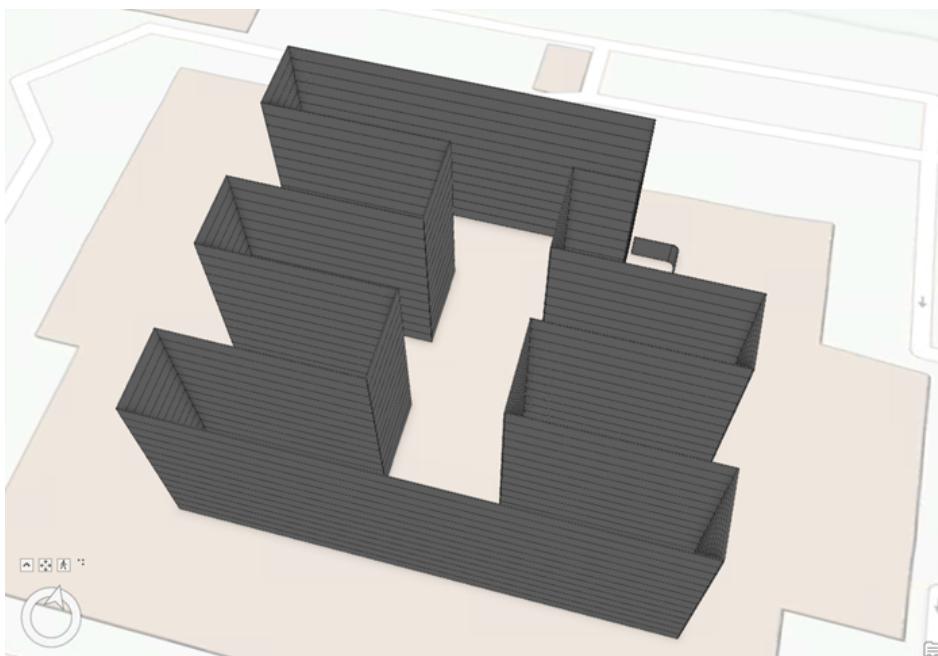
*Step 5i\*\*\*: Share a building scene layer to ArcGIS Online.*

Now that your building scene layer name is updated and unique, you can add it to your scene to verify its location.

- j In the Catalog pane, right-click RedlandsNewBldg\_<MOOC student account>.slpk and choose Add To Current Map.

**Note:** In this case, the action in the Catalog pane does not differentiate between a map view and scene view. The scene view is the active, current view, so adding the building scene layer to the current map will add it to your current local scene.

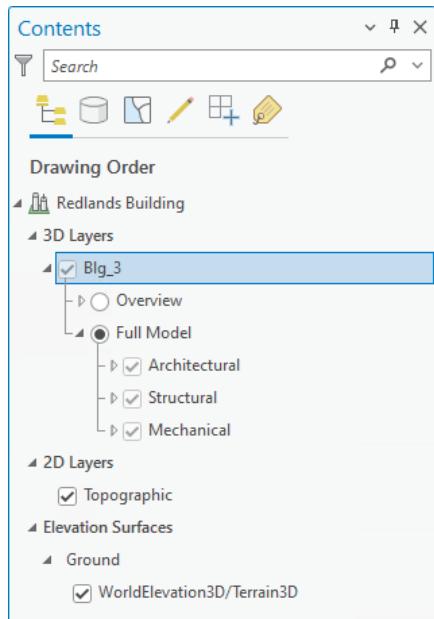
- k In the Contents pane, right-click Blg\_3 and choose Zoom To Layer.



*Step 5k\*\*\*: Share a building scene layer to ArcGIS Online.*

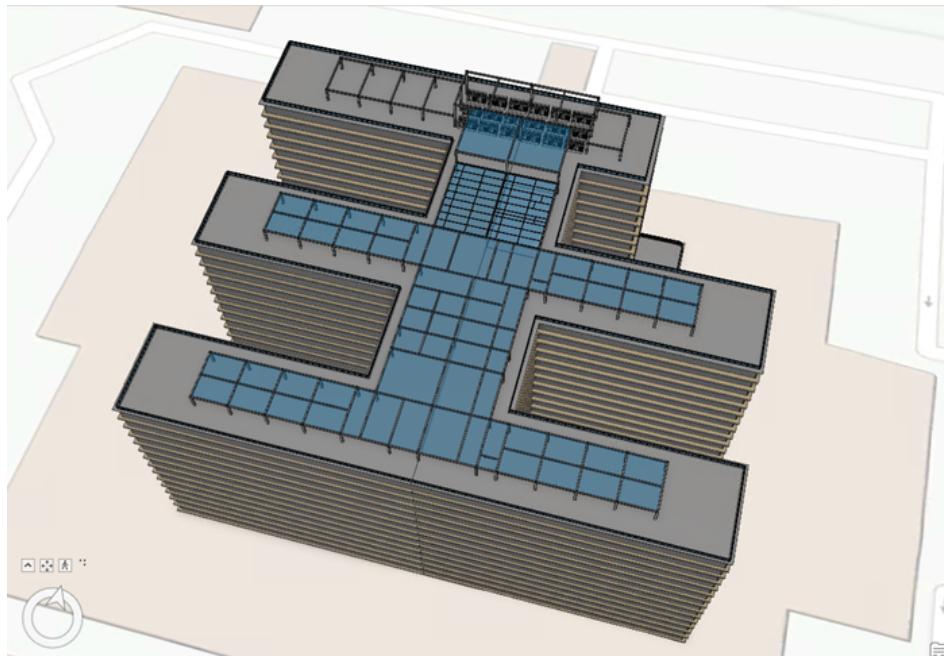
If you recall, the Overview, not the Full Model, is the default view for a building scene layer. To verify that the building scene layer in its new location, you will turn on the Full Model layers.

- I In the Contents pane, in the Blg\_3 building scene layer, select Full Model to turn on the model, and then expand Full Model and check the boxes for Architectural, Structural, and Mechanical.



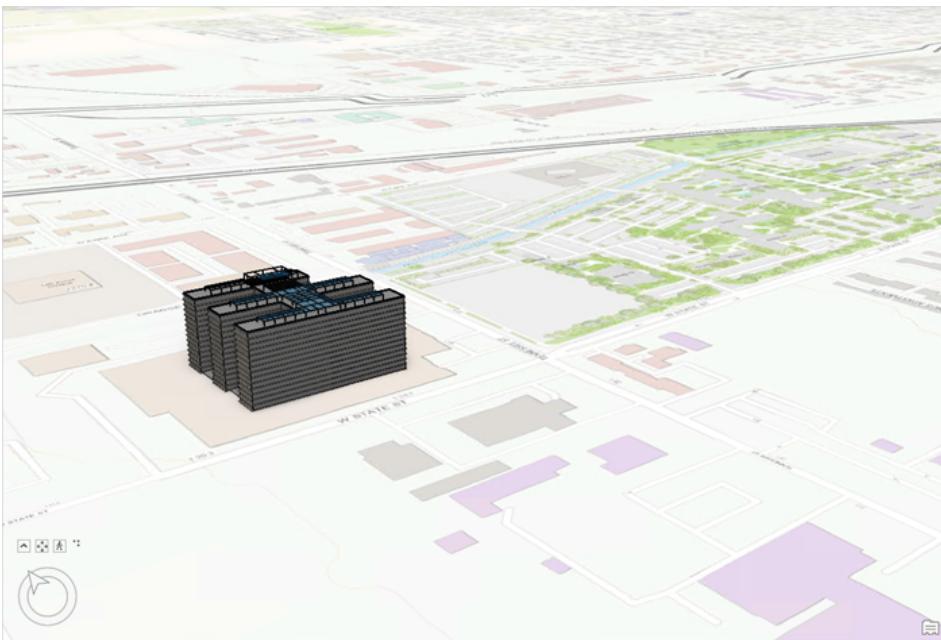
*Step 5I\*\*\*: Share a building scene layer to ArcGIS Online.*

- m In the scene view, notice that your full building scene layer is now visible.



*Step 5m\*\*\*: Share a building scene layer to ArcGIS Online.*

- n On your own, navigate in the scene view to examine the placement of this building near the Esri Redlands campus.

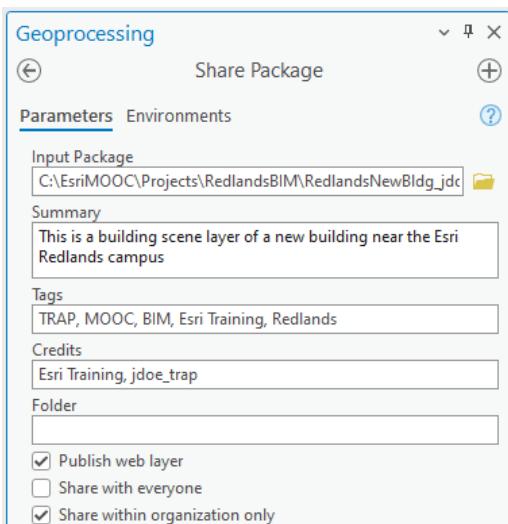


*Step 5n\*\*\*: Share a building scene layer to ArcGIS Online.*

This building is the same building that you worked with in a previous section, but for exercise purposes, it has been georeferenced to a site in Redlands, California. It has been converted from a Revit file to a building scene layer using the same workflow that you performed previously in Section 2.

Now you will share this building scene layer to ArcGIS Online.

- o On the Analysis tab, in the Geoprocessing group, click Tools.
- p In the Geoprocessing pane, in the Find Tools search field, type **share package** and select the Share Package (Data Management Tools) tool.
- q In the Geoprocessing pane, specify the following parameters:
  - For Input Package, click the Browse button and browse to ..\EsriMOOC\Projects\RedlandsBIM, and then select RedlandsNewBldg<MOOC student account>.slpk and click OK.
  - For Summary, type **This is a building scene layer of a new building near the Esri Redlands campus.**
  - For Tags, type **TRAP, MOOC, BIM, Esri Training, Redlands.**
  - For Credits, type **Esri Training, <MOOC student account>.**
  - Next to Publish Web Layer, check the box.
  - Next to Share Within Organization Only, check the box.



*Step 5q\*\*\*: Share a building scene layer to ArcGIS Online.*

- r Click Run.

Your building scene layer and the scene layer package are shared to ArcGIS Online.

- s Save your project, and then exit ArcGIS Pro.

In the next step, you will verify the building's location near the Redlands campus.

#### - Step 6: Add a building scene layer to a scene view in ArcGIS Online

With the building scene layer added to ArcGIS Online, you can add it to your web scene so your colleagues can see more of the built environment and the surrounding geographical context of the new projects on and near the Redlands campus.

- a Return to your web browser with your Redlands Scene (<MOOC student account>) web scene open.

##### - Hint

If you closed your web browser, perform the following steps:

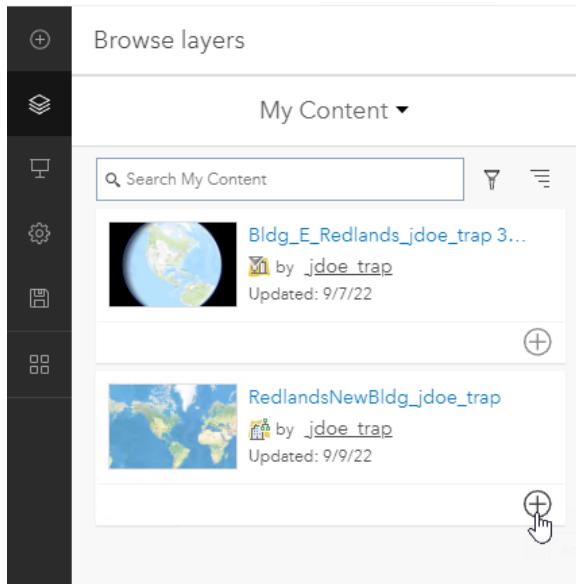
1. Open a web browser in private or incognito mode and go to [www.arcgis.com](http://www.arcgis.com).
2. Sign in to ArcGIS Online using your MOOC student account credentials.
3. Click Content.
4. From the My Content tab, for the Redlands Scene (<MOOC student account>), click the More Options button  and choose Open In Scene Viewer.

You do not always have to return to the My Content tab to add items to your Scene Viewer. You can add new layers directly from your web scene.

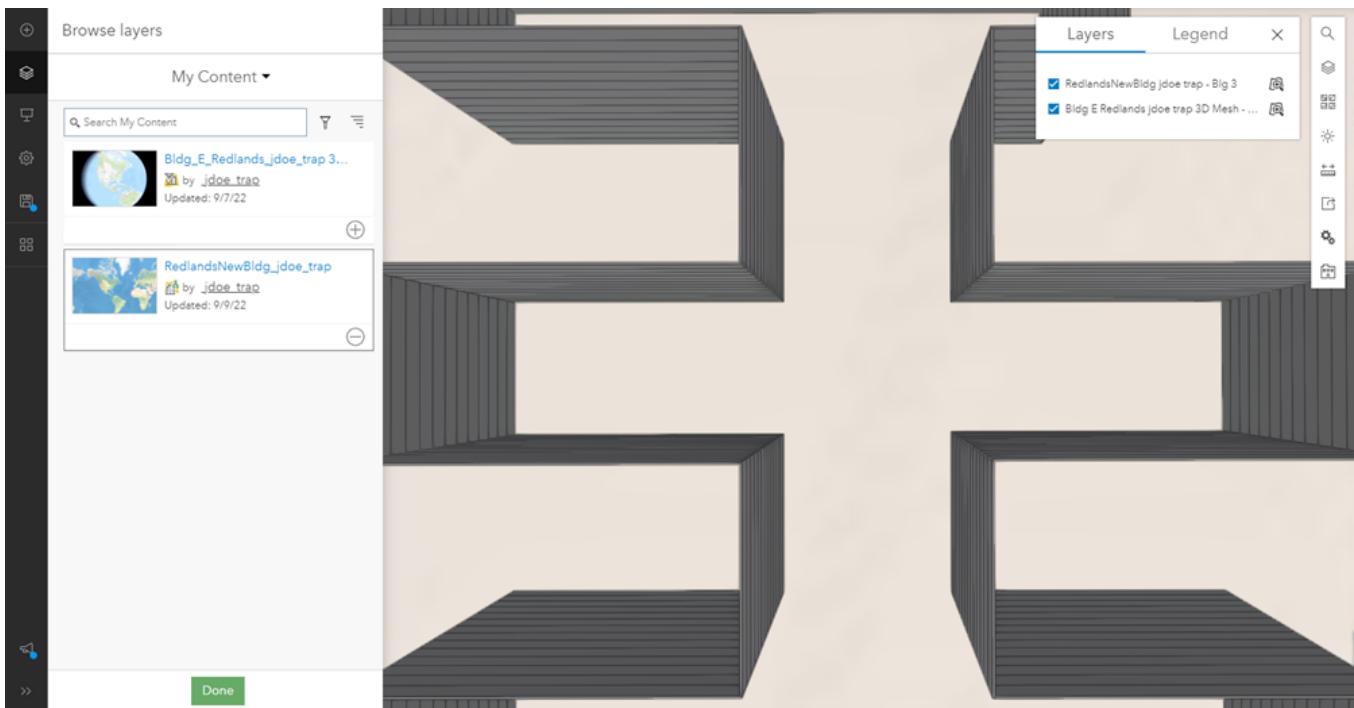
- b On the left side of your scene, click the Add Layers button  and choose Browse Layers.

Your default location to add new layers is My Content. You can also add content, if desired, from your organization or groups of which you are a member, ArcGIS Living Atlas of the World, or ArcGIS Online.

- c In the Browse Layers panel, under My Content, locate the RedlandsNewBldg\_<MOOC student account> scene layer, as shown in the following graphic.



- d Click the Add button .
- e Notice that the web scene zooms to the new building scene layer that you added.



*Step 6e\*\*\*: Add a building scene layer to a scene view in ArcGIS Online.*

- f In the Browse Layers panel, click Done.

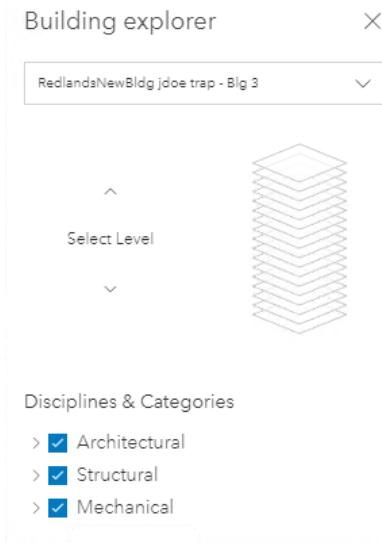
As in ArcGIS Pro, the Overview is the default view. You can change this view to show the Full Model using the Building Explorer.

- g On the right side of the scene view, click the Building Explorer button .

- h In the Building Explorer window, click Select A Layer To Explore and choose RedlandsNewBldg\_<MOOC student account> - Blg 3.

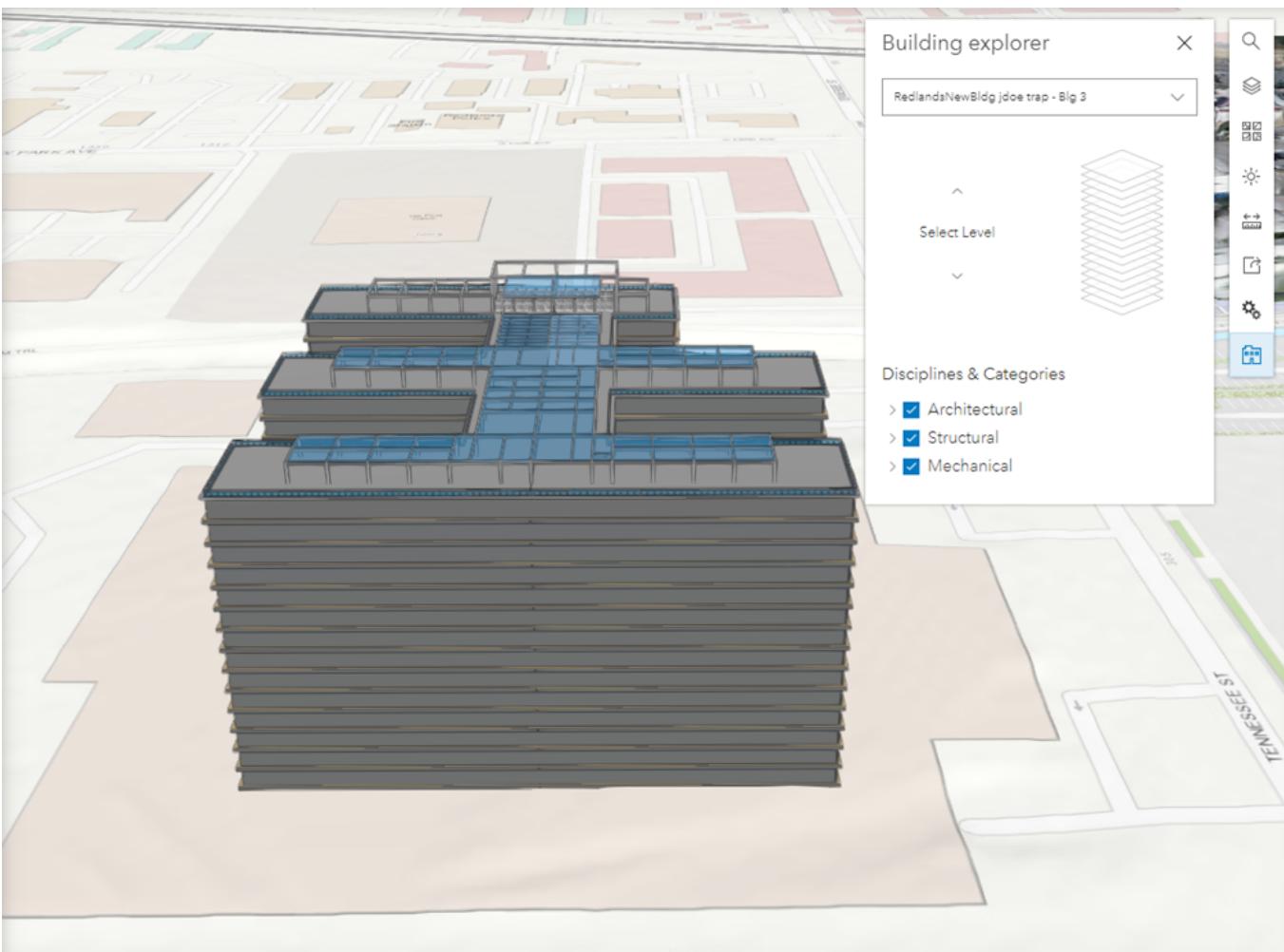
The building will disappear because the Disciplines & Categories are turned off by default.

- i In the Building Explorer window, under Disciplines & Categories, check the boxes for Architectural, Structural, and Mechanical to turn them on.



*Step 6j\*\*\*: Add a building scene layer to a scene view in ArcGIS Online.*

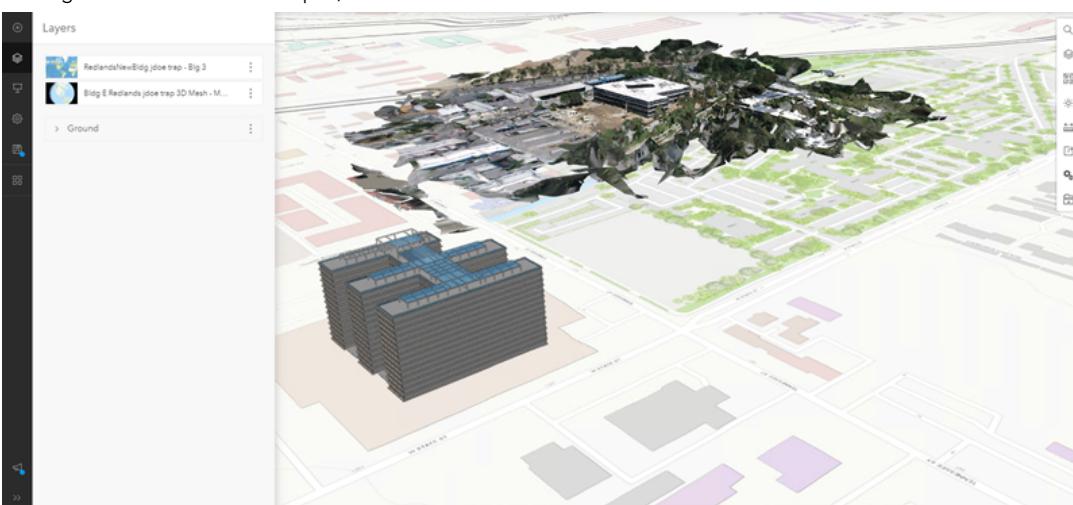
- j Reposition your scene to match the following graphic.



You will see that the full model appears in your web scene after you turn on the disciplines.

In a previous section of this course, you explored how the levels, as well as the different construction disciplines, represent features in your model. These same properties and behaviors are the same when you share your BIM files to ArcGIS Online.

- k On your own, explore how Building Explorer allows you to interact with the model in Scene Viewer.
- l After you have completed your exploration of the building scene layer, close the Building Explorer window.
- m Use your previously learned navigation skills to see the relative proximity of the two new buildings (Building E on the Esri Redlands campus and Blg 3 to the west of the campus).



*Step 6m\*\*\*: Add a building scene layer to a scene view in ArcGIS Online.*

- Hint

To review navigation tips, go to ArcGIS Online Help: **Scene navigation**.

- n Click the Save button .
- o In the Save Scene dialog box, leave the current information and add two new tags:

- **BIM**
- **Redlands**

**Save scene**  
owned by me X

---

**Thumbnail**  **Title** Redlands Scene (jdoe\_trap)

**Summary** New projects on Redlands Campus

**Tags** 3D Mesh X Esri Training X MOOC X BIM X  
Redlands X Add tag(s)

**Save in** My Content

Save current state as initial scene state  
 Save as new scene

---

Save Cancel

*Step 60\*\*\*: Add a building scene layer to a scene view in ArcGIS Online.*

- p Click Save.
- In this exercise, you shared a building scene layer and a 3D mesh to ArcGIS Online. This workflow forms the foundational element for sharing data and information with members of your AEC team. When data is shared to ArcGIS Online, you can perform analysis, include the layers in web apps, dashboards, or any number of stories for stakeholders and partners.
- q Leave your web browser open as you will use this scene view in the next exercise.