Lucity Mobile – Advanced Features

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Advanced Show in Map for Android

Overview

This feature enables users to move more easily between the map and assets on a work order by allowing the user to have the map and a work order asset form open at the same time. This means that the user can make changes to the Work Order Asset form without leaving the map.

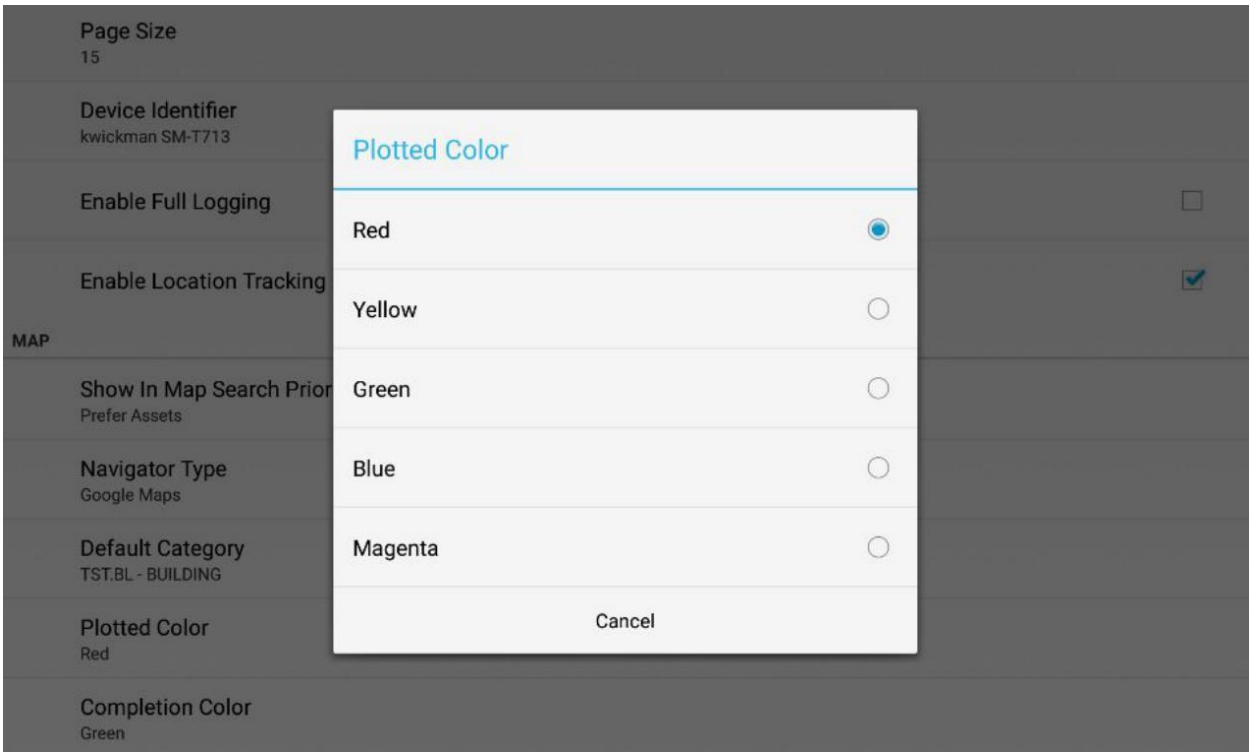
It also permits the user to define different colors for assets that are plotted on the map. If you have several assets on a work order, this will allow you to easily distinguish between the assets that are finished and the assets that still need attention.

Map Color Configuration

To configure these colors, open the Dashboard and use the button to open the overflow menu. Select View Settings and scroll to the bottom to see the settings for the three colors.

- Plotted color shows all assets that are highlighted when you use Show in Map.
- Completion Color shows assets that are completed.
- Selection Color shows the currently selected asset.

If you tap on any one of those settings, it opens a small dialog that allows you to choose from several colors.

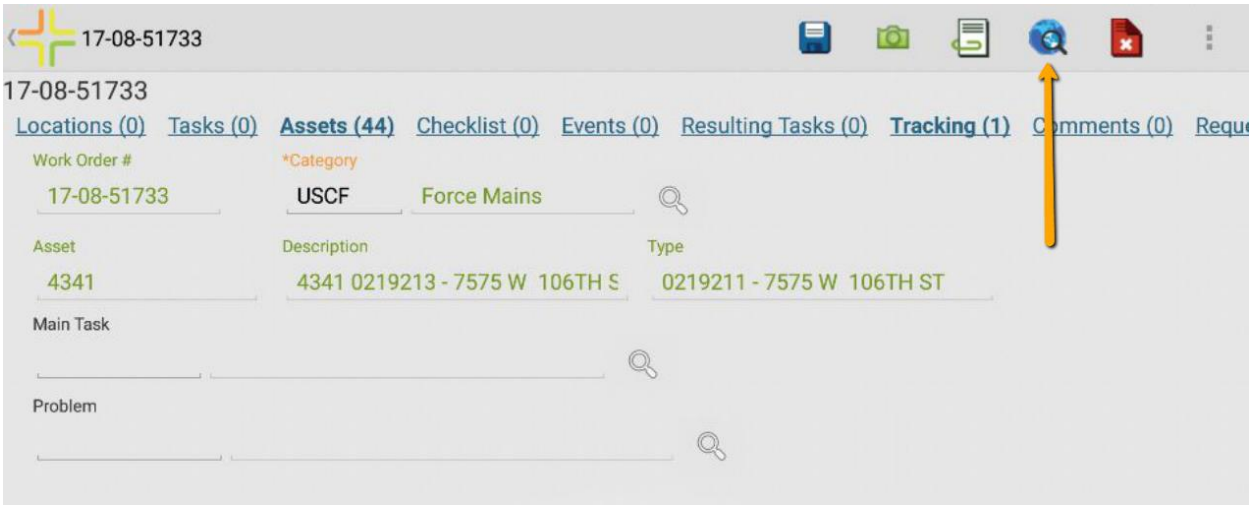


Entering Advanced Show in Map

Relevant Map Functions

Show In Map	On the Dashboard this button launches the map. In a module this button launches the map and zooms to the selected record(s).
Details	Opens the asset inventory details pane. Users can create a work order, request, inspection, or view relationships from this pane.
Open Inventory Record	Opens the selected asset inventory record as a form.
Enable Asset Editing	Toggles between the standard show in map mode and asset editing (advanced) show in map mode.
Open/Edit Asset Record	Opens the Work Order Asset form for that asset in a half screen along with the map.

With a work order selected (or while on a work order form) tap on the show in map button to open the map and plot the assets that are on that work order.



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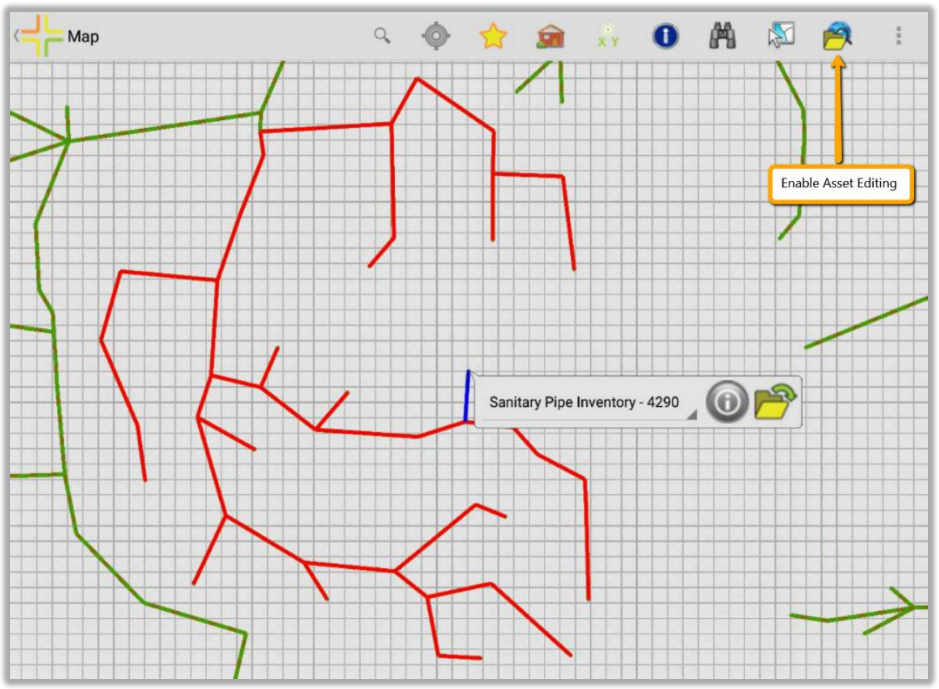
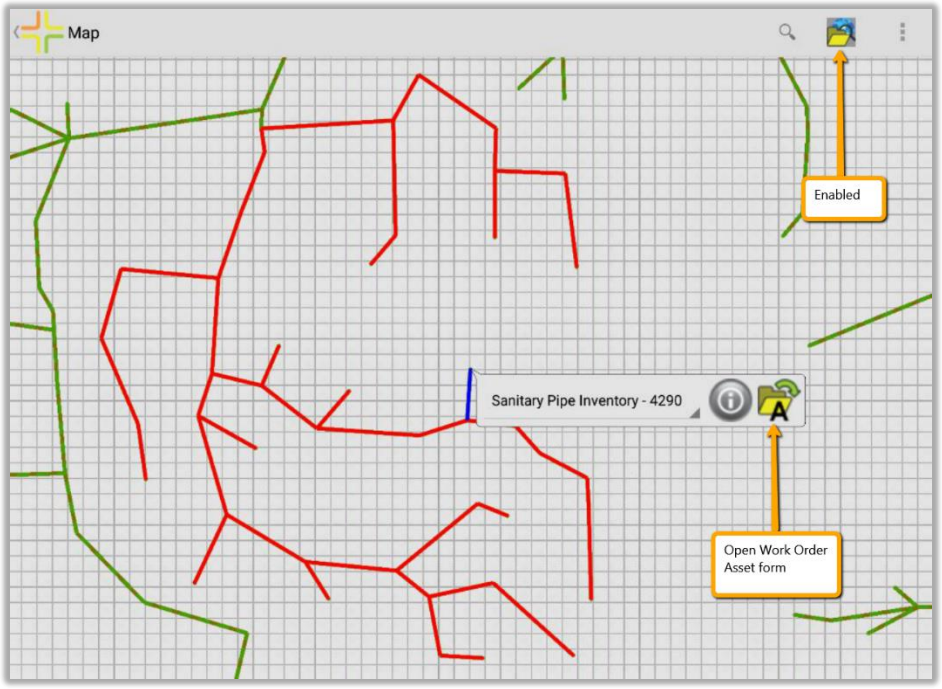
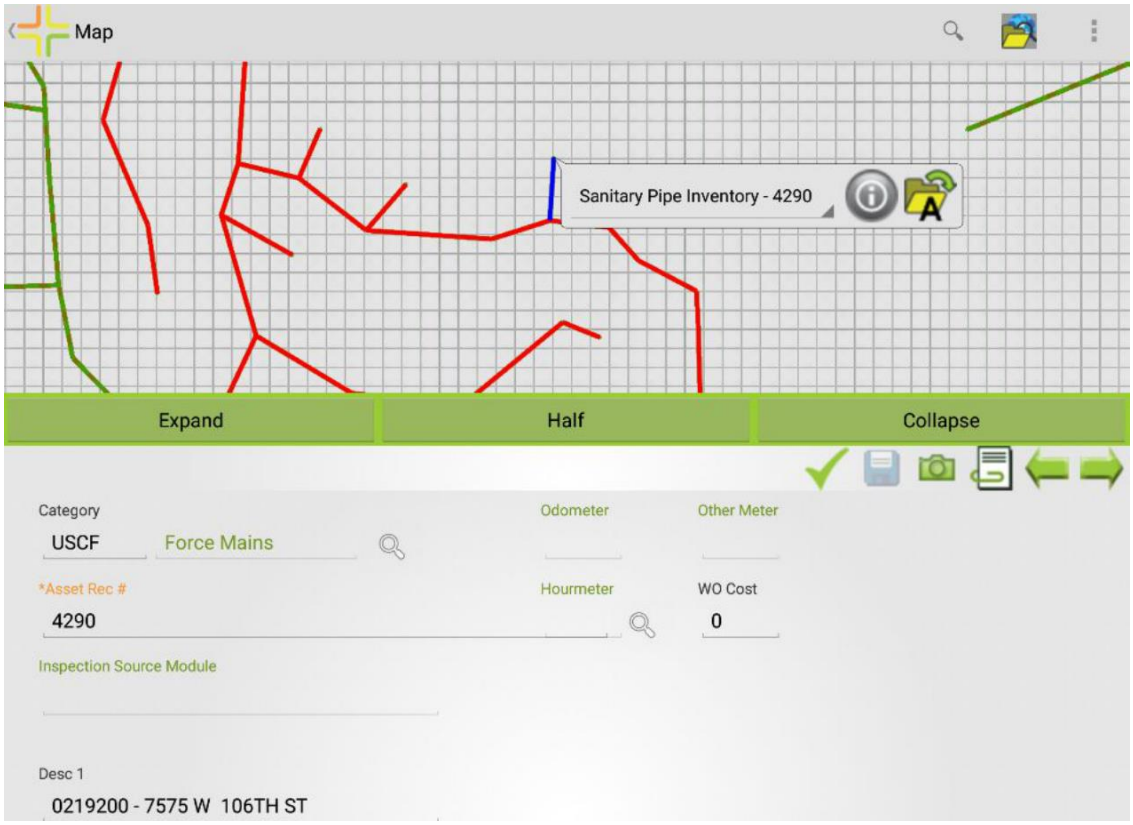
Notice that the colors configured earlier are reflected in the map. Tap on the Enable Asset Editing icon and the callout for the currently selected asset changes so that the Open Inventory Record button is replaced by Open/Edit Asset Record button. This means that the form that will open will now be the Work Order Asset record rather than the Inventory record.





If you tap on the Open/Edit Asset Record button, it opens the Work Order Asset form for that asset in a half screen along with the map.



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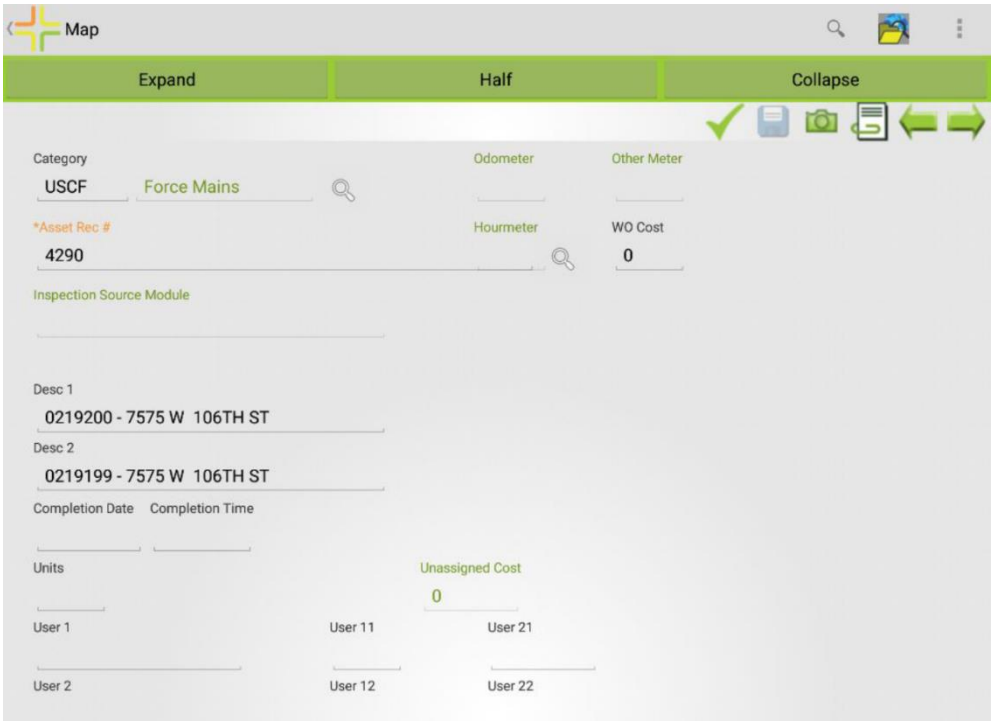
Using the Advanced Show in Map

Advanced Show in Map Functions

	Mark as Complete	Populates the completion date and time on the asset form with the current date and time and then saves the record. This will also change the asset's color to the Completion Color.
	Save	Saves the current asset record.
	Add Picture	Opens the tablet's camera and attaches the image/video to the asset record.
	Documents	Allows the user to view and attach documents to the selected asset record.
	Previous Asset	Changes the selected asset to the previous asset in the work order asset list.
	Next Asset	Changes the selected asset to the next asset in the work order asset list.
	Expand Form	Tap to expand the asset form to take up the entire screen, hiding the map.
	Half Form	Tap to split the screen in half with the map on top and the asset form on the bottom.
	Collapse Form	Tap to collapse the asset form, leaving only the toolbar and no form fields. The map takes up the rest of the screen.

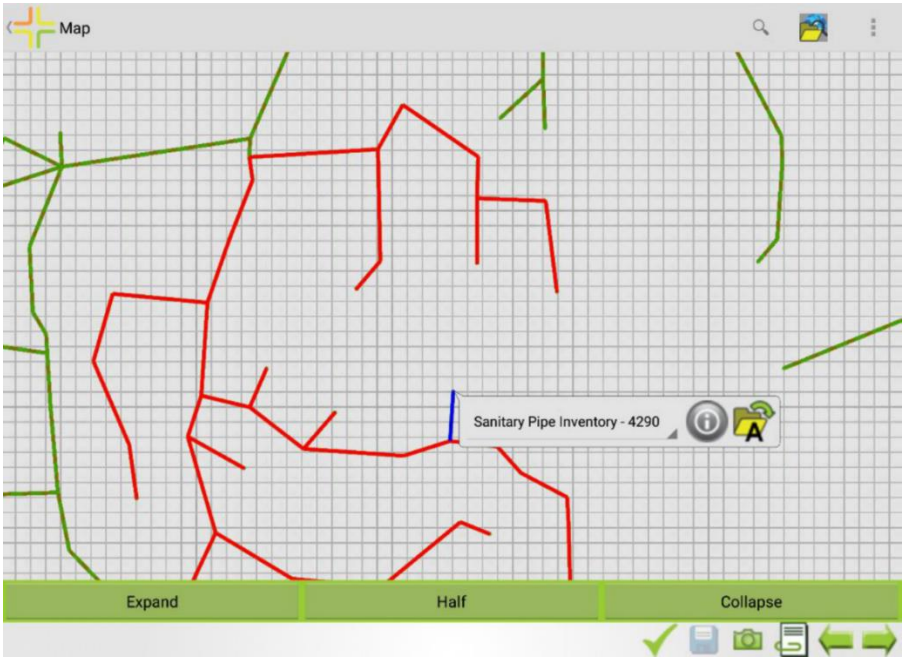
When in advanced show in map mode the user can view the map and the asset record at the same time. The size of the map pane and asset form is adjustable, using the , , and buttons.

You can expand the asset form to full screen by tapping the **Expand** button.



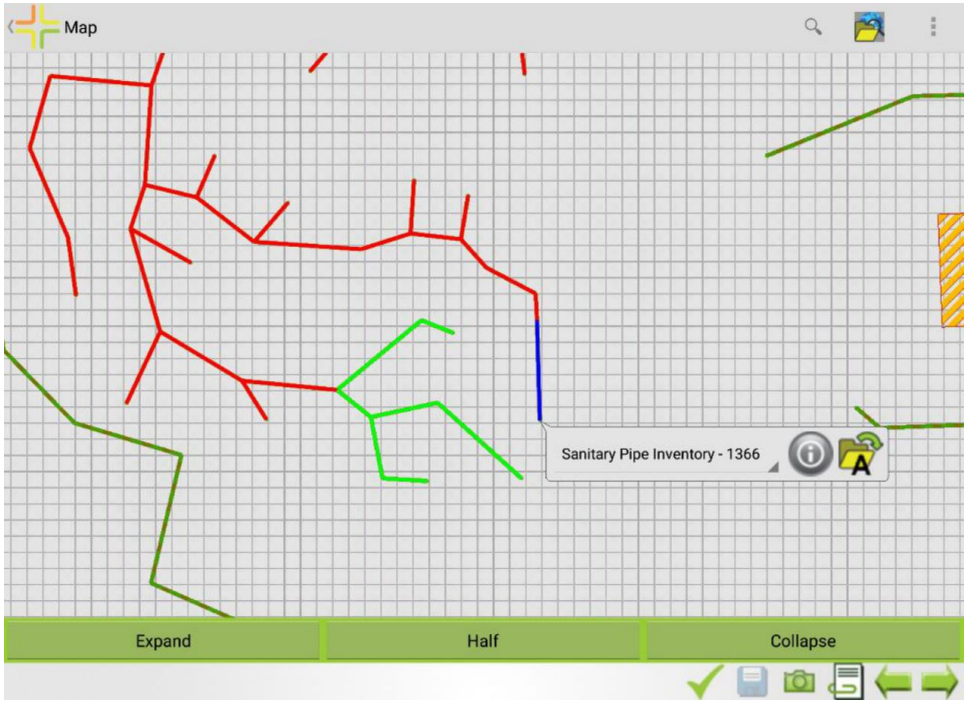
With this form in either Half or Full Screen, you can scroll through the form and make changes to it and save those changes using the Save button.

You can also Collapse the form using the Collapse Button.

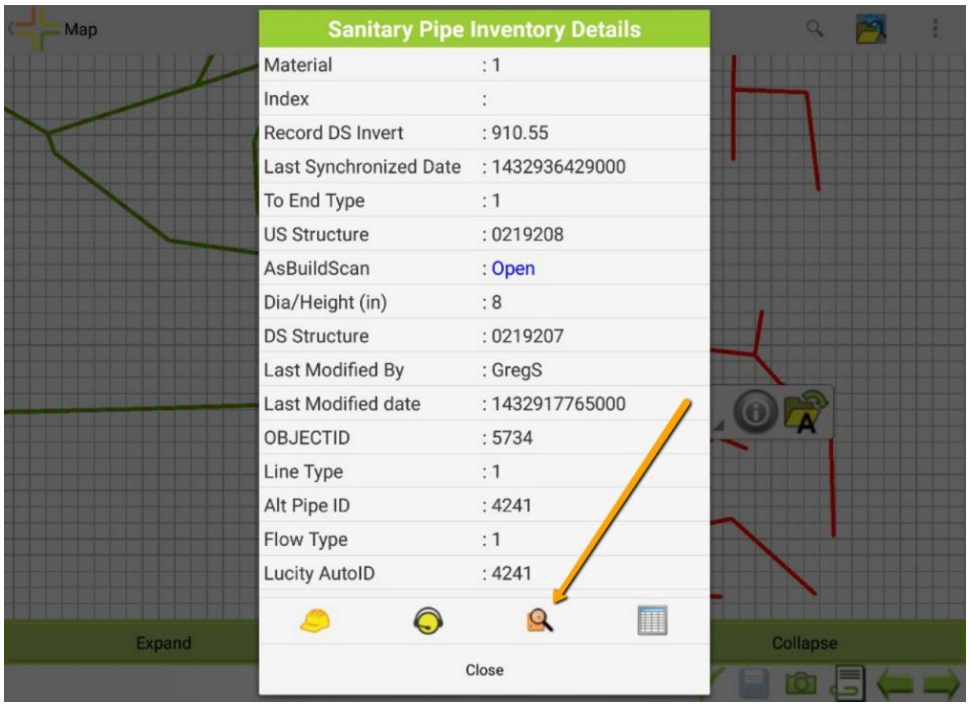


With the Asset Form collapsed, you can still see the buttons that are available on the form.

If you have assets that are already marked as Completed, they will show in the appropriate color. In the image below, the red assets are all assets on the work order, the blue asset is the currently selected asset, and the green assets are the ones that are marked as completed.



The user can perform an inspection on an asset from the Show in Map callout. Tap and then choose . This will allow you to select which inspection type you want to complete for this asset.



Advanced Show in Map for iOS

Overview

This feature enables users to move more easily between the map and assets on a work order by allowing the user to have the map and a work order asset form open at the same time. This means that the user can make changes to the Work Order Asset form without leaving the map.

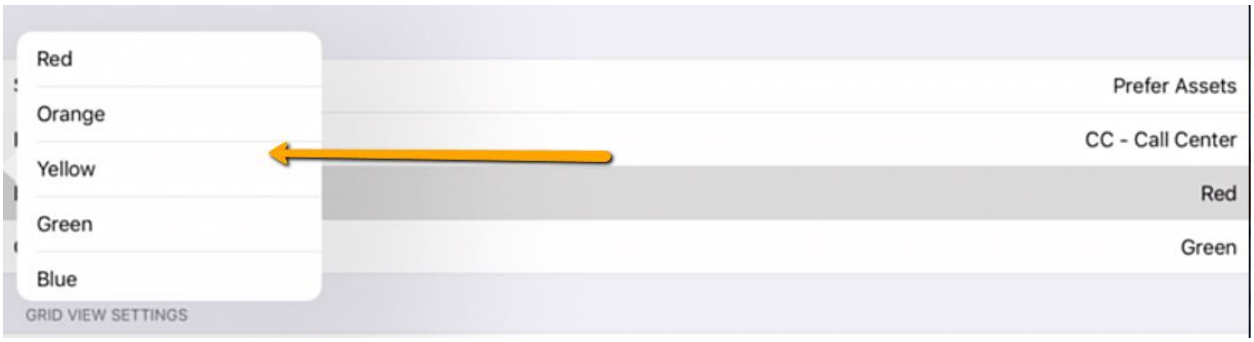
It also permits the user to define different colors for assets that are plotted on the map. If you have several assets on a work order, this will allow you to easily distinguish between the assets that are finished and the assets that still need attention.

Map Color Configuration

To configure these colors, open the Dashboard and use the button to open the dashboard menu. Select Settings and scroll to the bottom to see the settings for the colors.

- Plotted color shows all assets that are highlighted when you use Show in Map.
- Completion Color shows assets that are completed.
- In iOS, the currently selected asset is shown with a dotted line, a larger point, or a hashed polygon

If you tap on any one of those settings, it opens a small dialog that allows you to choose from several colors.

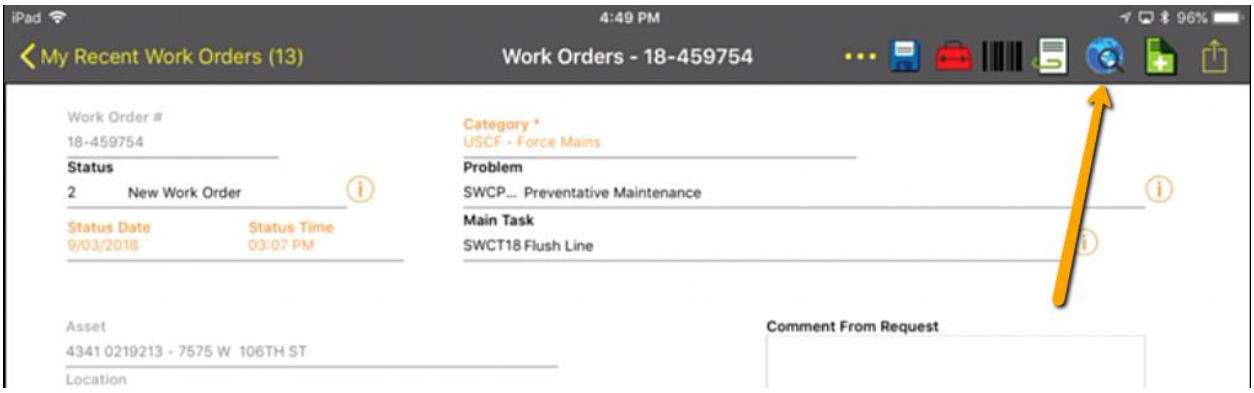


Entering Advanced Show in Map

Relevant Map Functions

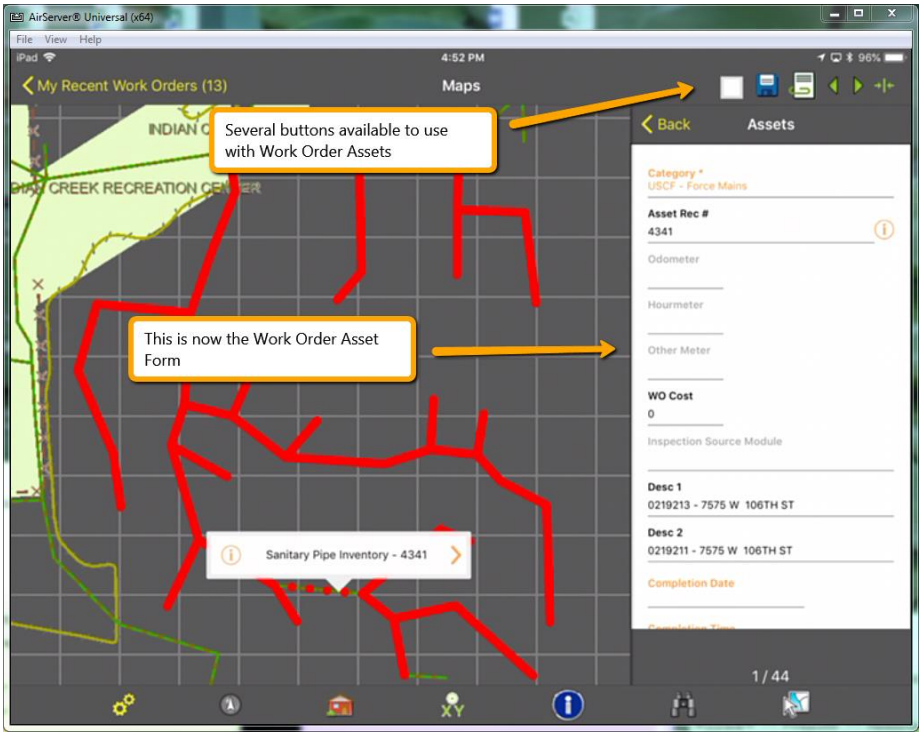
	Show In Map	On the Dashboard this button launches the map. In a module this button launches the map and zooms to the selected record(s).
	Open Inventory Record	Opens the selected asset inventory record as a form.
	Open/Edit Asset Record	Opens the Work Order Asset form for that asset in a half screen along with the map.

With a work order selected (or while on a work order form) tap on the show in map button to open the map and plot the assets that are on that work order.



When the Show in Map completes, the map will open and the assets on the work order will be plotted. Notice that the colors configured earlier are reflected in the map. And in this example, the currently selected record is a dotted line.

Tap on the Open/Edit Asset Record button and the details pane changes to the Work Order Asset Form. The fields on the form are stacked in this pane. And several buttons appear at the top of the pane.

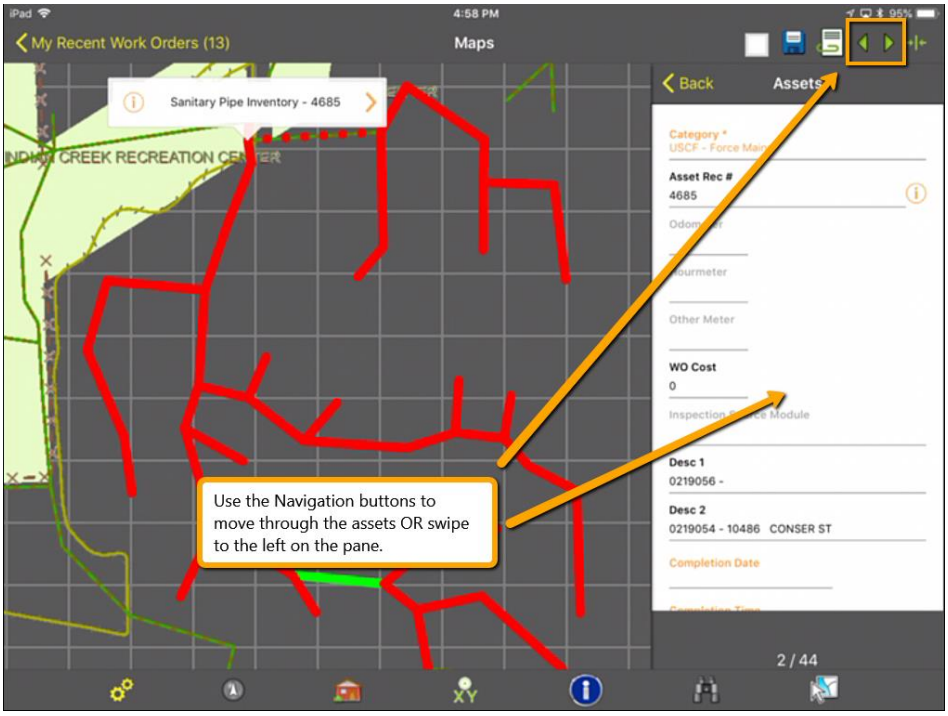


Advanced Show in Map Functions

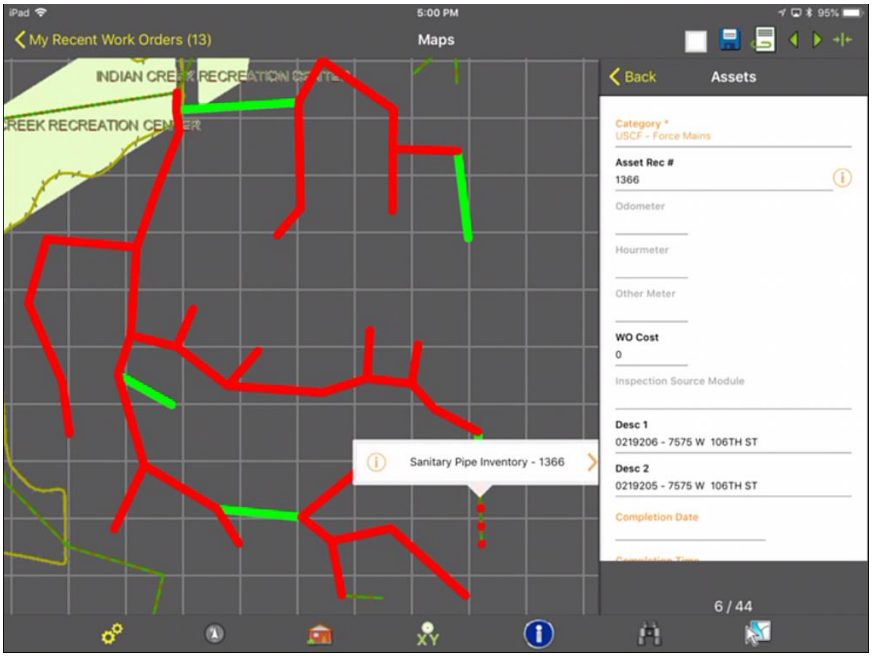
	Checkbox	Tapping on this box populates the completion date and time on the asset form with the current date and time and then saves the record. This will also change the asset's color to the Completion Color
	Checkbox	Tapping on this box when it is checked will uncheck the box and clear the completion date and time on the asset form and save the record.
	Save	Saves the current asset record.
	Documents	Allows the user to view and attach documents to the selected asset record.
	Navigate	Allows the user to move forward or backward in the plotted Work Order Assets
	Hide/Expand	Allows the user to hide or show the Details Pane

With the Asset form open, tap the empty checkbox. The checkbox will populate with a check mark, the completion date and time will be populated in the form, and the record will be saved. The color of the asset will now change to the Completed Color.

Use the Navigation buttons to move to the next asset . . . OR . . . you can just swipe to the left to move to the next asset.



If you have assets that are already marked as Completed, they will show in the appropriate color. In the image below, the red assets are all assets on the work order, the green assets are marked as completed, and the dotted line is the currently selected asset.

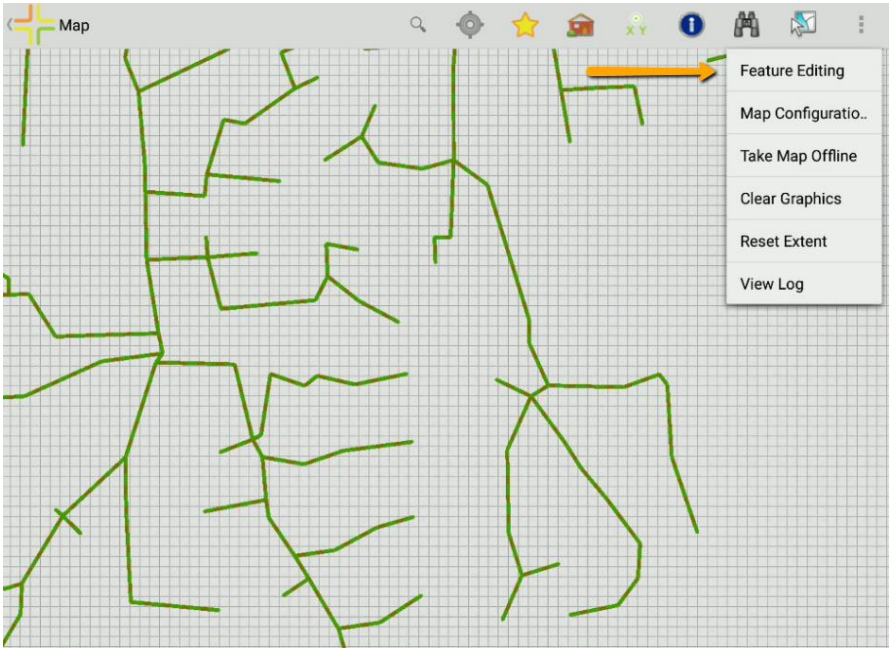


Feature Editing

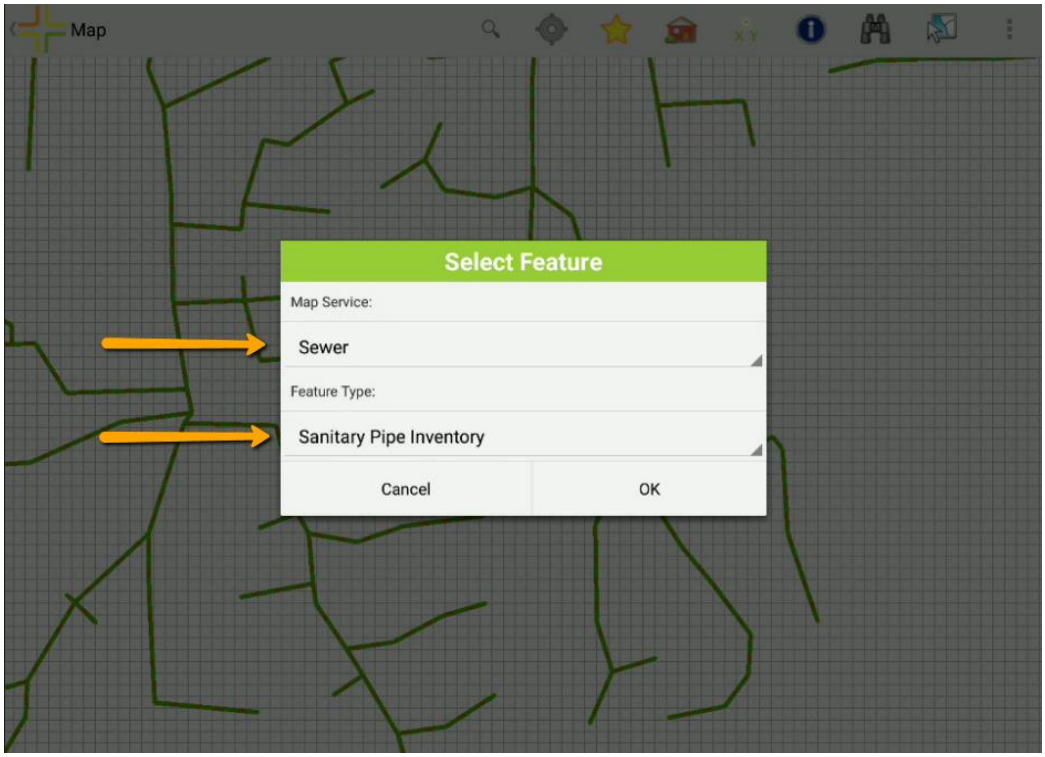
Both of our Mobile applications provide support for editing features in the map. This includes adding, editing, and deleting. Your map services must be configured to allow for feature editability.

Android

If the map you have open is editable, then “Feature Editing” will be available in the Overflow Menu.



Tap on Feature Editing to Select a Type of Feature you want to edit. In the dialog that opens, you will need to select the Map Service and the Feature Type. Your choices will be remembered for the next time you open this dialog:

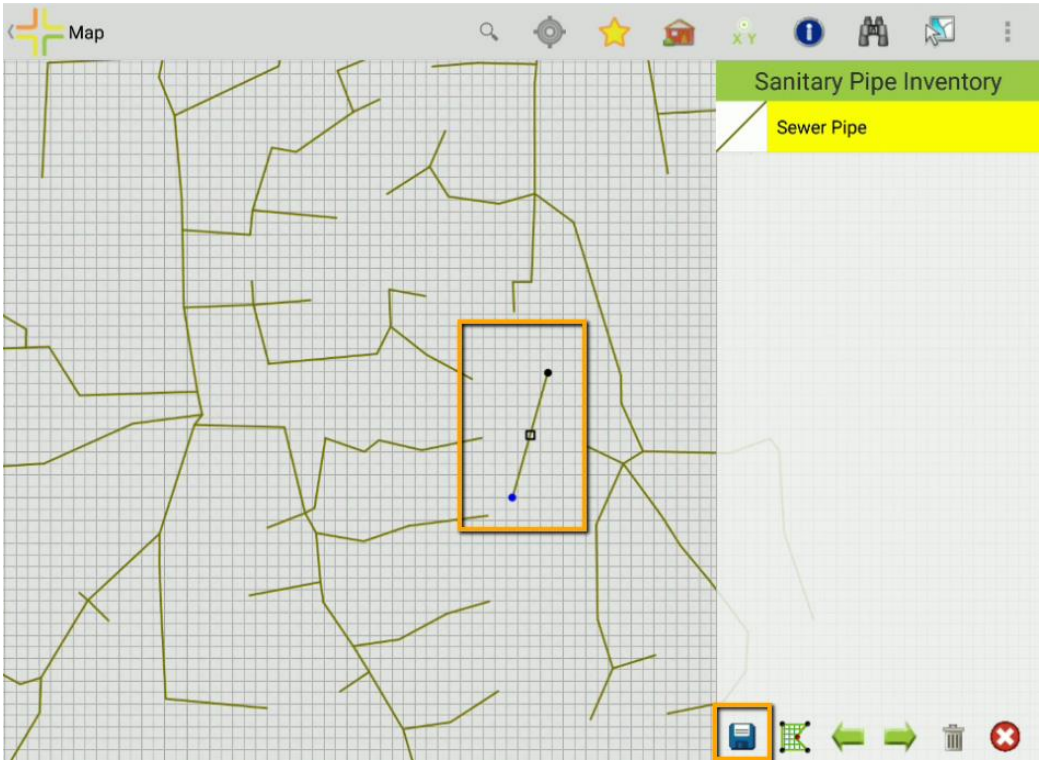


When you tap OK, it will open the editing pane on the right side of the map.

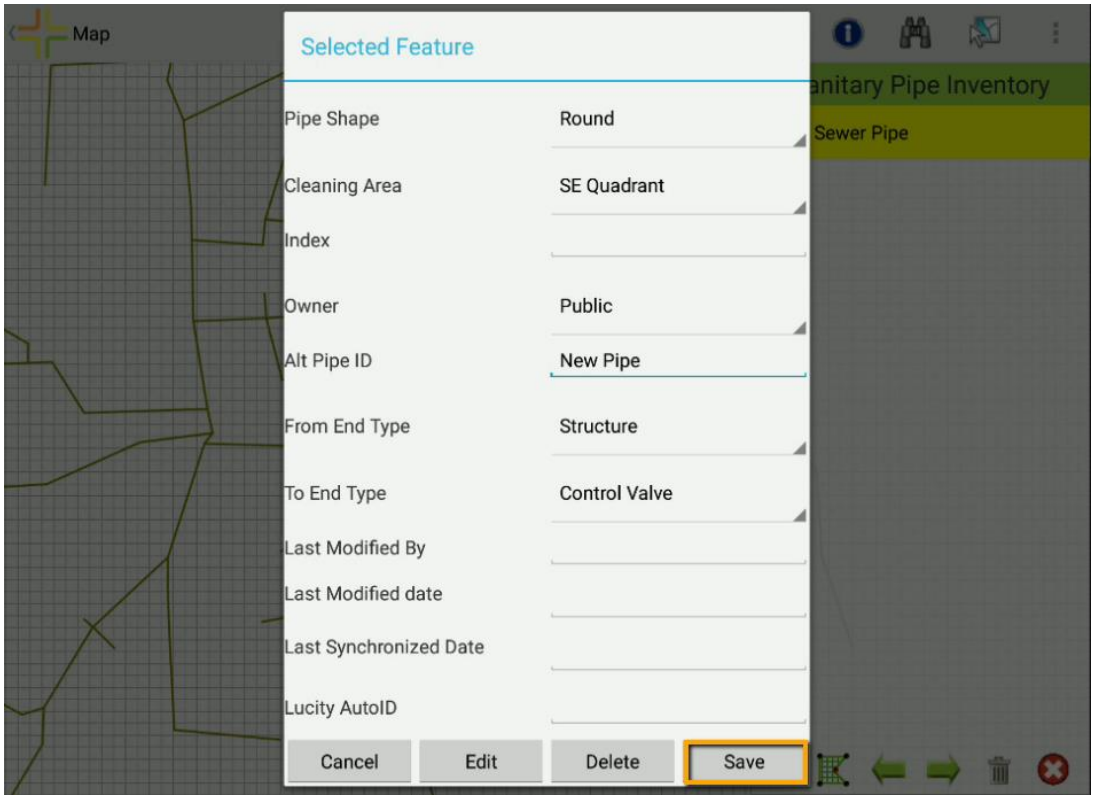
Adding a Feature

Select the specific feature you want to add from the list in the pane. It will highlight the one you have selected:

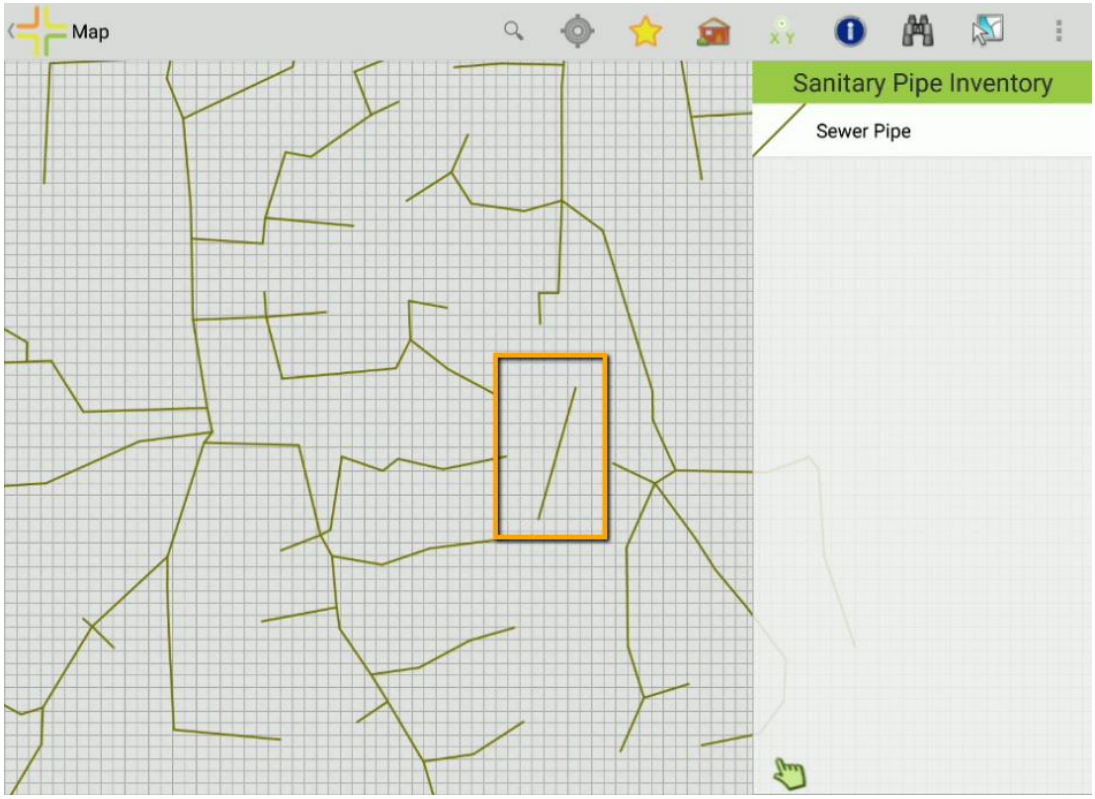
Now draw the asset on the map using tap points. When you are finished, tap the Save button.



A Details dialog will open allowing you to enter information about the feature you are adding:

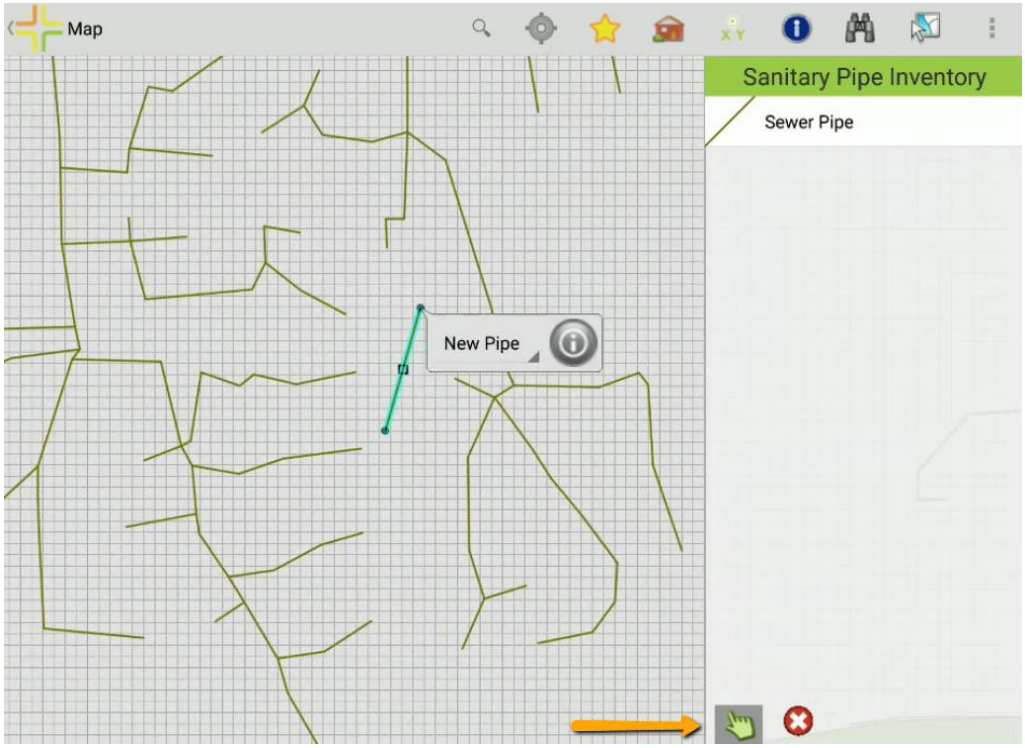


When you tap the Save in the Details Dialog, the feature is saved:

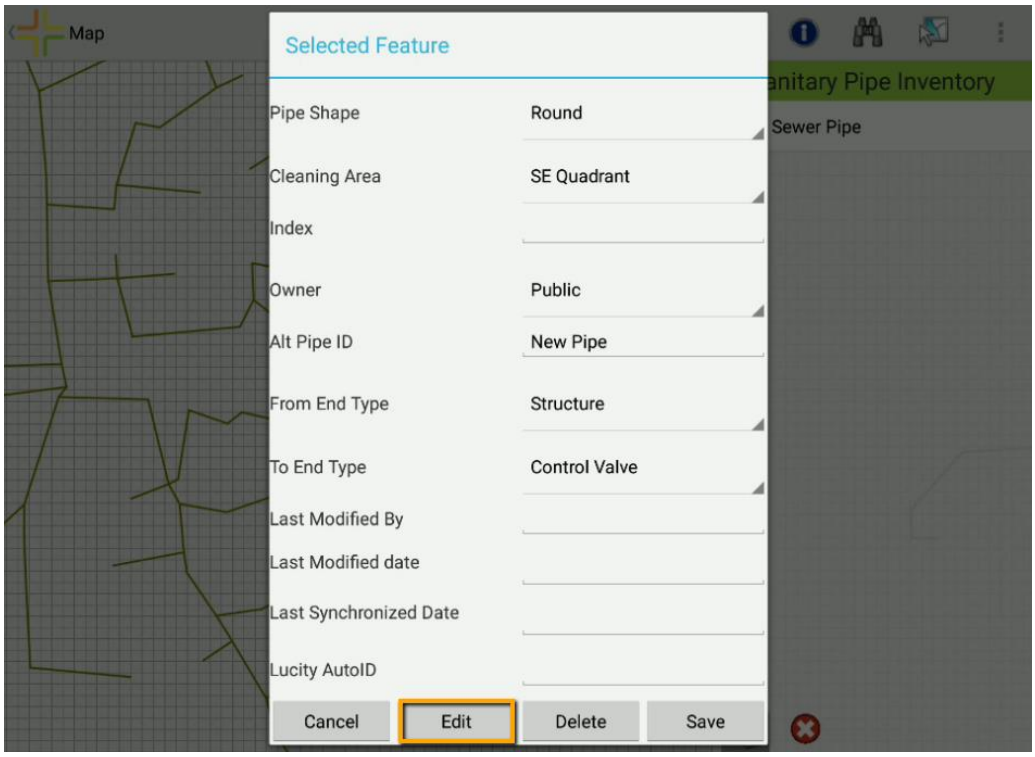


Editing a Feature

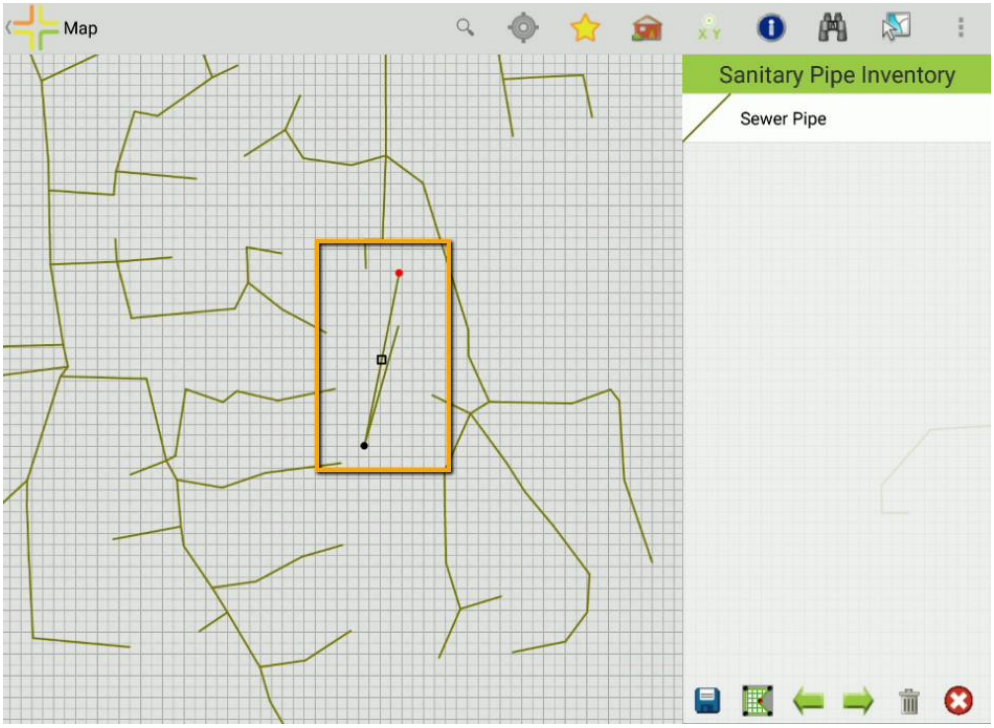
Tap on the hand icon in the lower portion of the pane and then tap on the feature you want to edit:



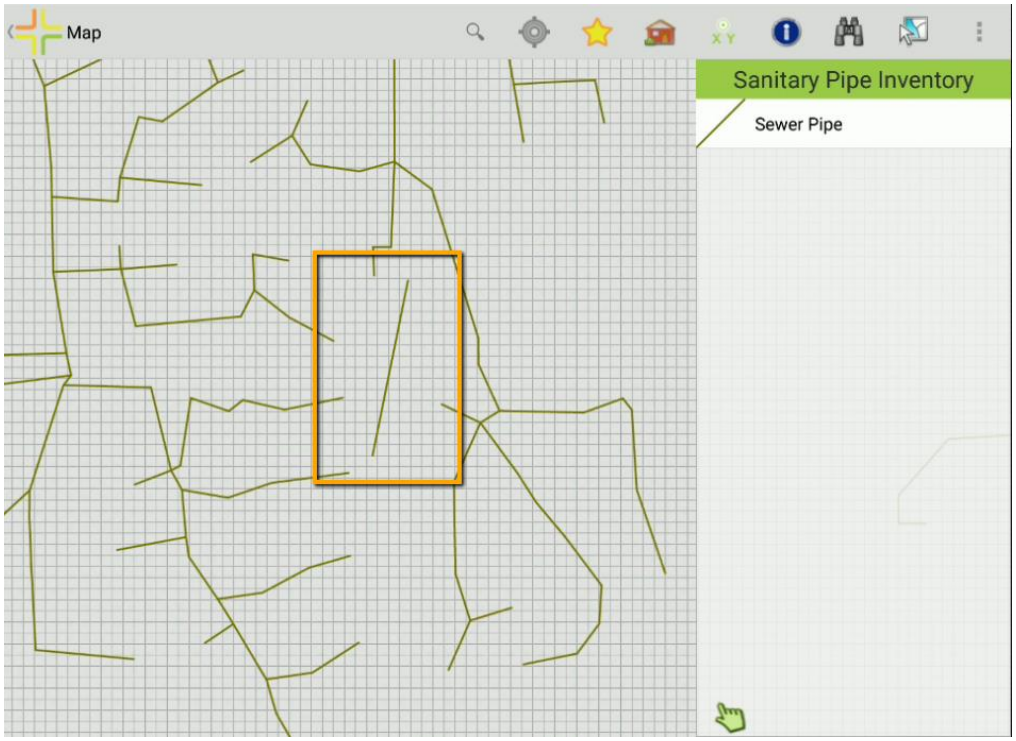
In the callout for that feature, tap on the to go to the Details of the Selected Feature and then tap the Edit button:



Once the feature is in edit mode, tap on any end points or middle points. It will highlight that point and then you can tap a new location to move it to that point.

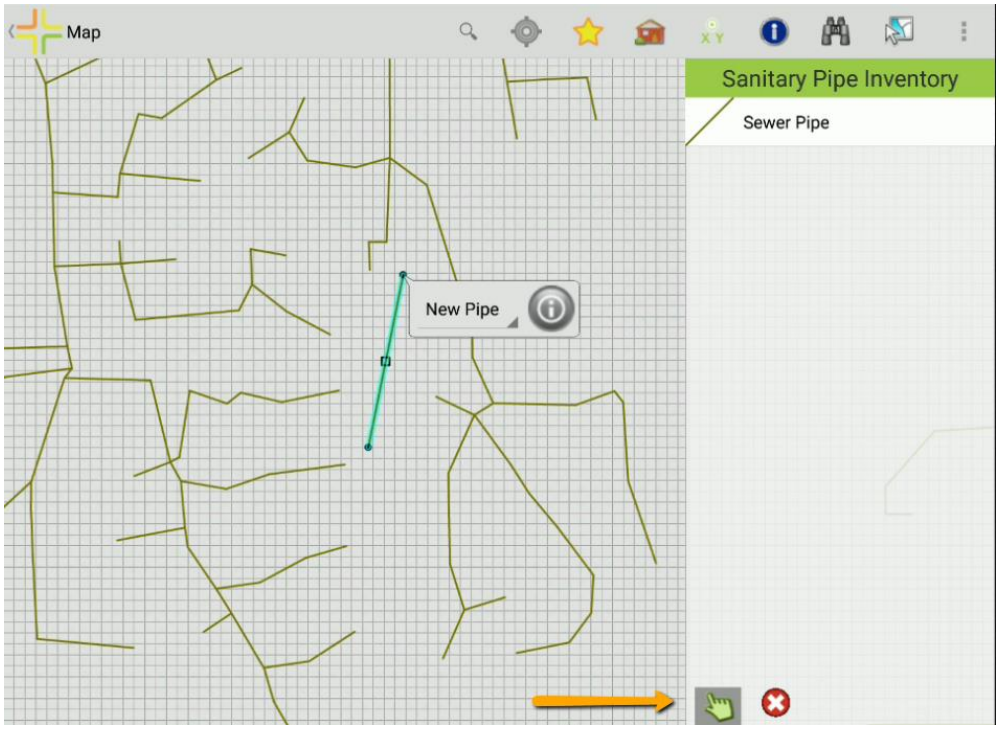


When you are finished, tap the Save button. This opens the details so you can make any changes and then tap Save. The feature has now been updated:

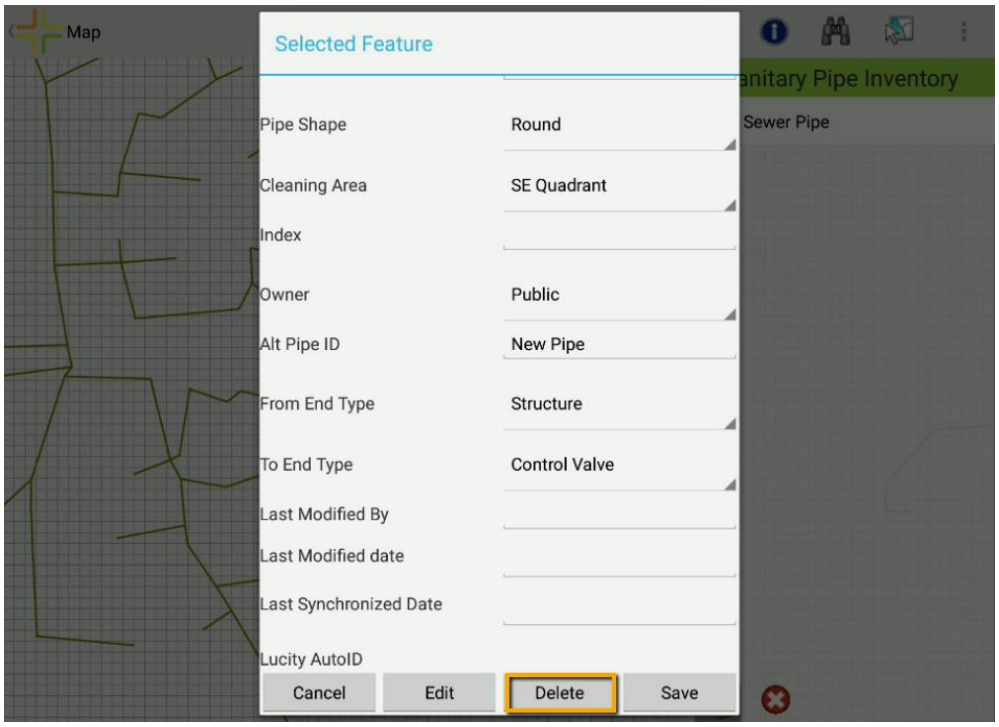


Deleting a Feature

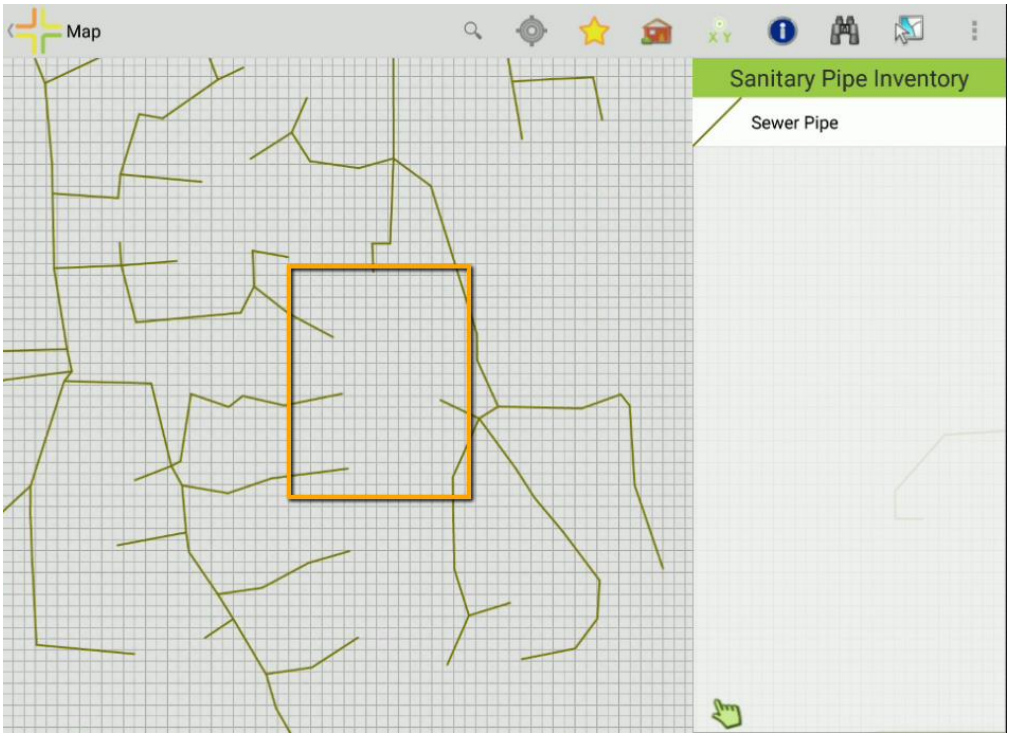
To Delete a Feature, tap on the hand icon in the lower portion of the pane and then tap on the feature you want to delete:



In the callout on that feature, tap on the to go to the Details of the Selected Feature and then tap the Delete button:

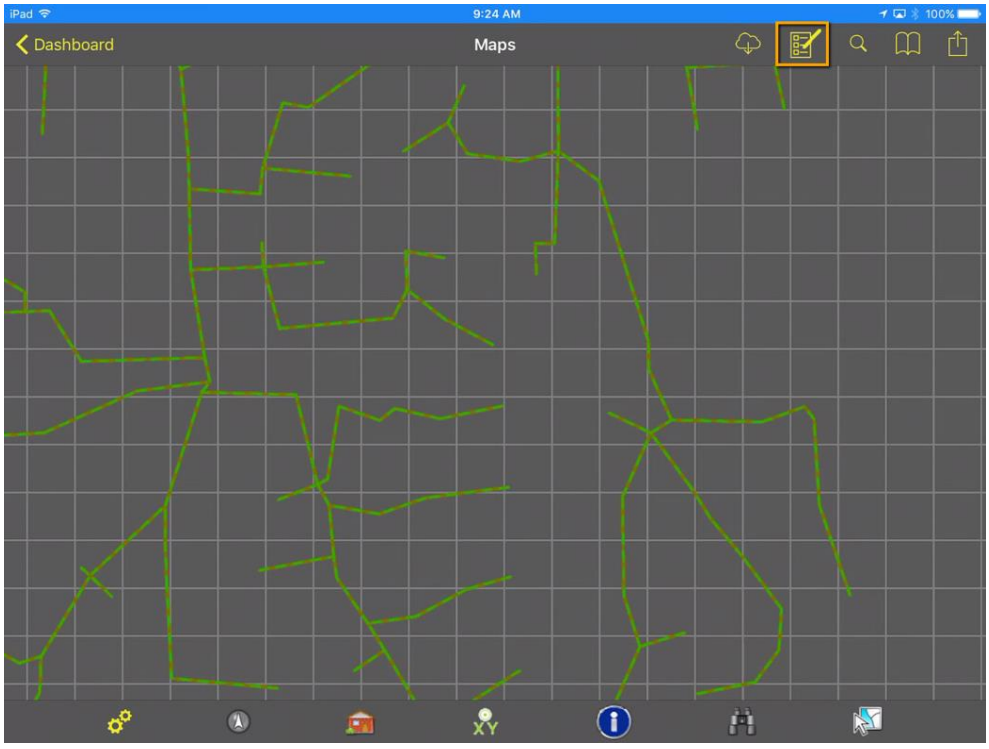


A confirmation prompt will confirm that you want to delete the selected feature. Once you have confirmed, the feature will be deleted from the map:

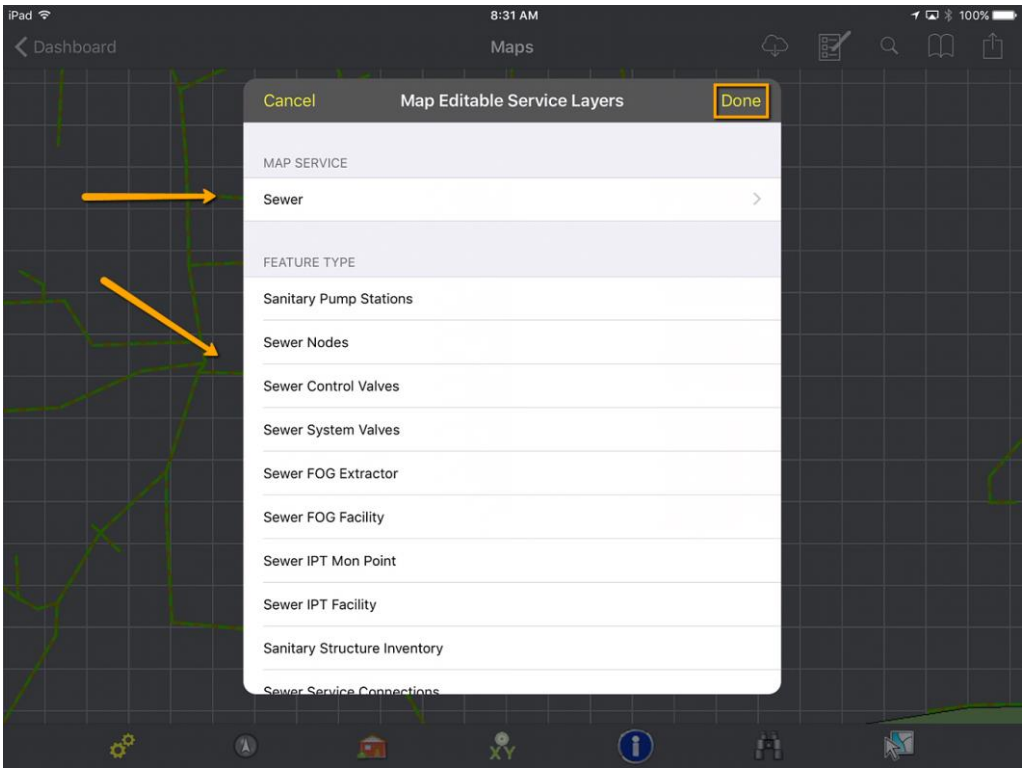


iOS

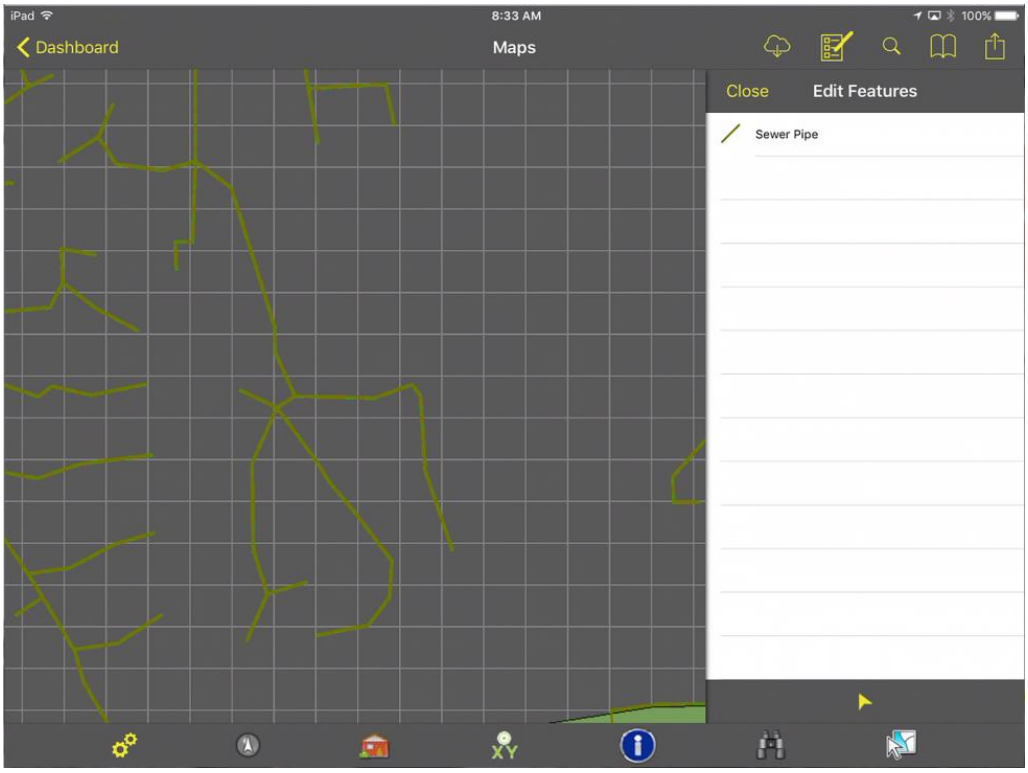
If the map you have open is editable, then the "Feature Editing" icon will show up on the toolbar.



Tap on this button and select the Map Service and Type of Feature you want to edit. Your choices will be remembered for the next time you open this dialog.

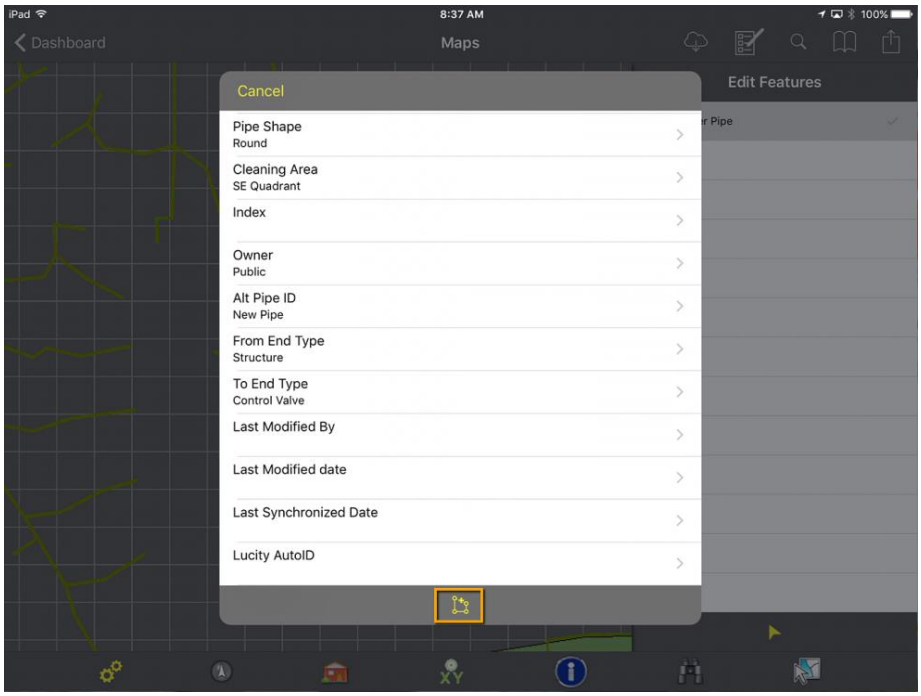


When you tap **Done** in the upper right, it will open the editing pane on the right side of the map.

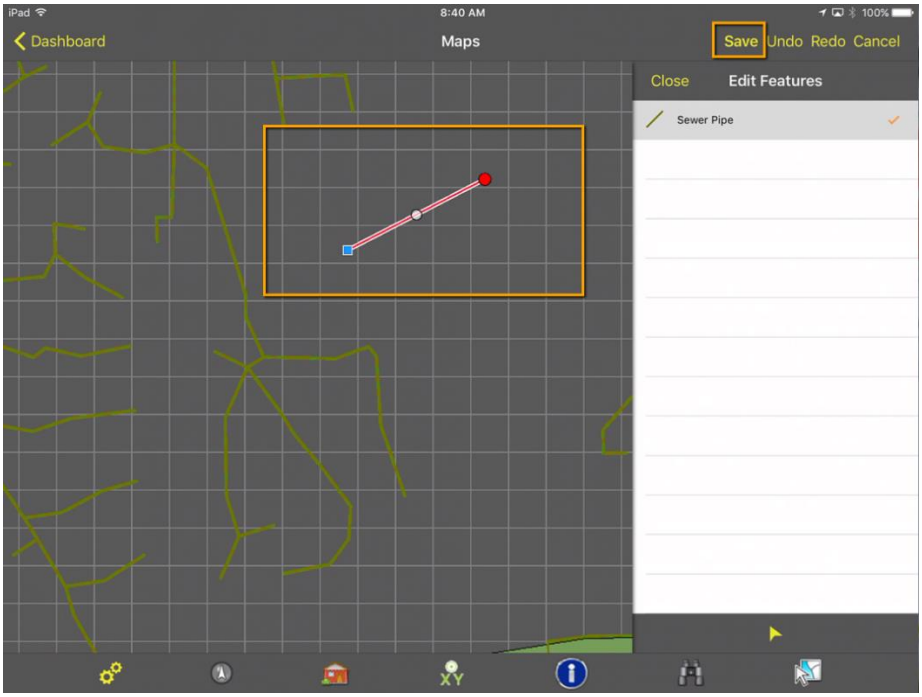


Adding a New Feature

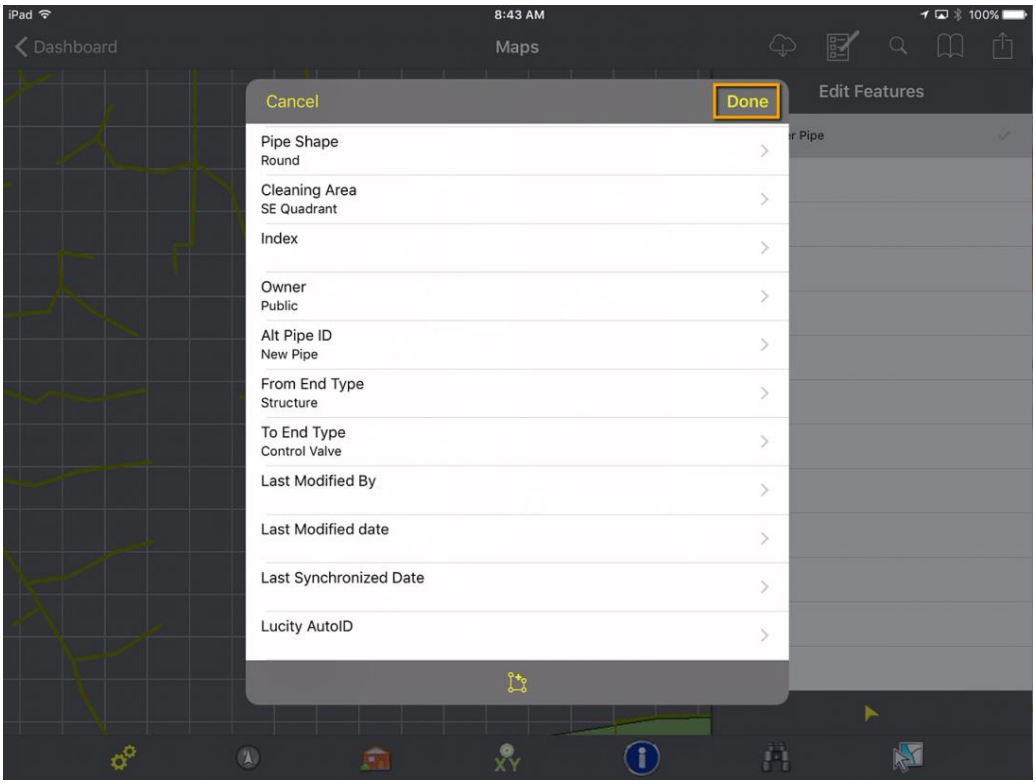
Select the specific feature you want to add from the list in the Edit Features Pane. It will highlight the one you have selected, and it will open the Feature Details dialog. Tap on each detail and enter the value you want saved with the new feature. When you have finished entering details, tap on the Draw tool at the bottom of the dialog



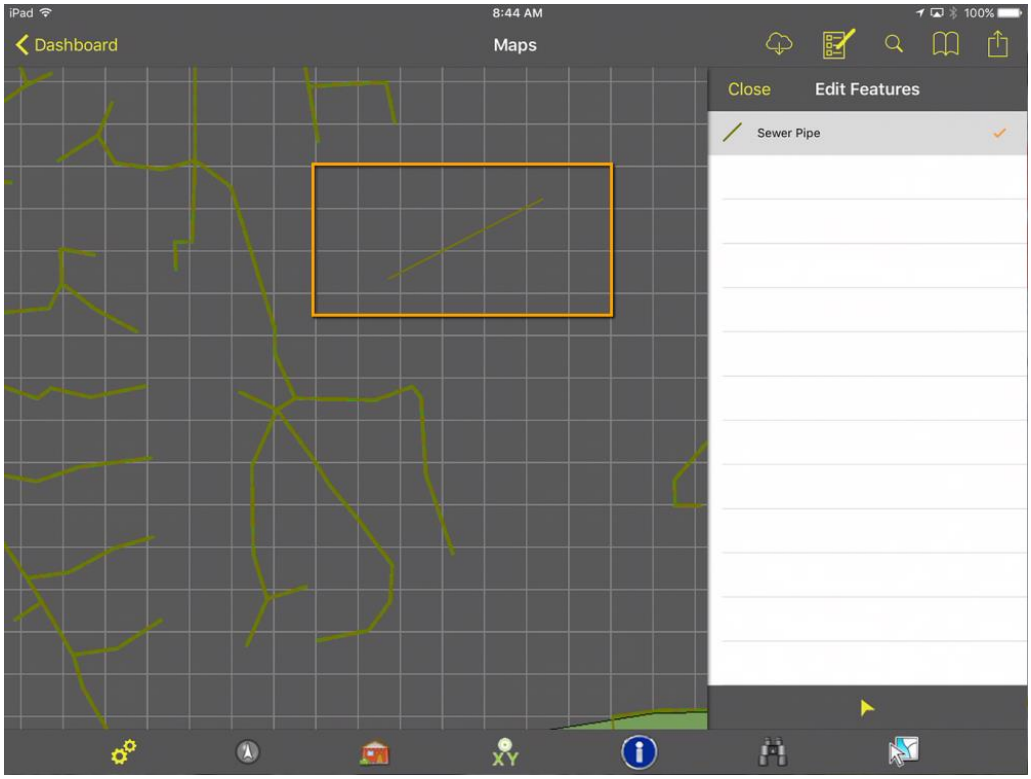
Now draw the asset on the map using tap points. When you are finished, tap the Save button in the upper right. Other buttons there allow you to Undo, Redo, or Cancel your drawing.



When you tap save, the Details dialog will open again allowing you to make any final edits to the values before saving. When you are finished, tap Done to complete the Save.

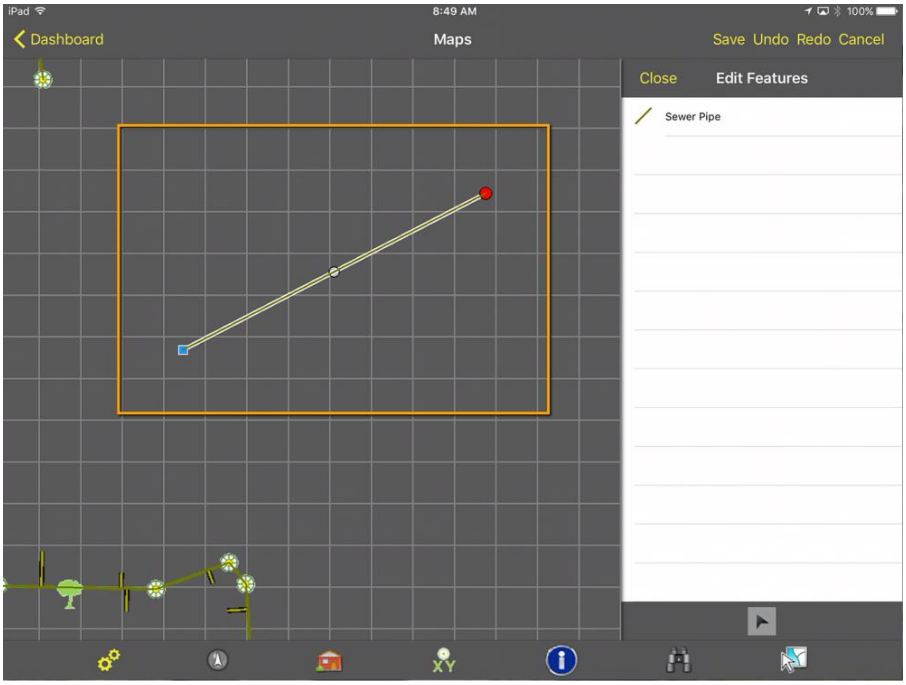


After tapping Done, the new feature will be shown in the map:

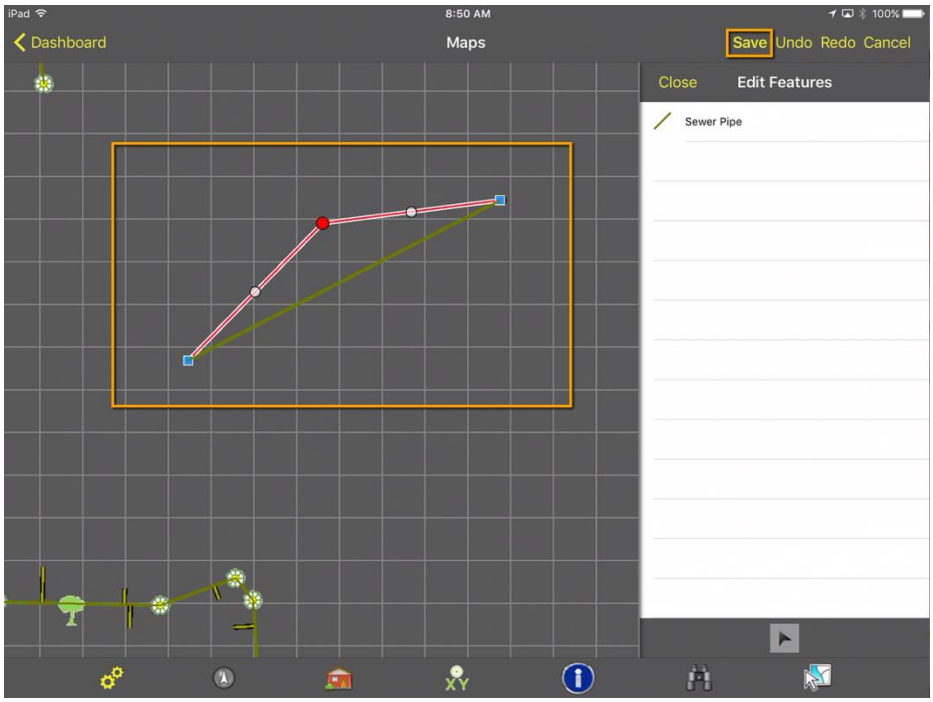


Editing a Feature

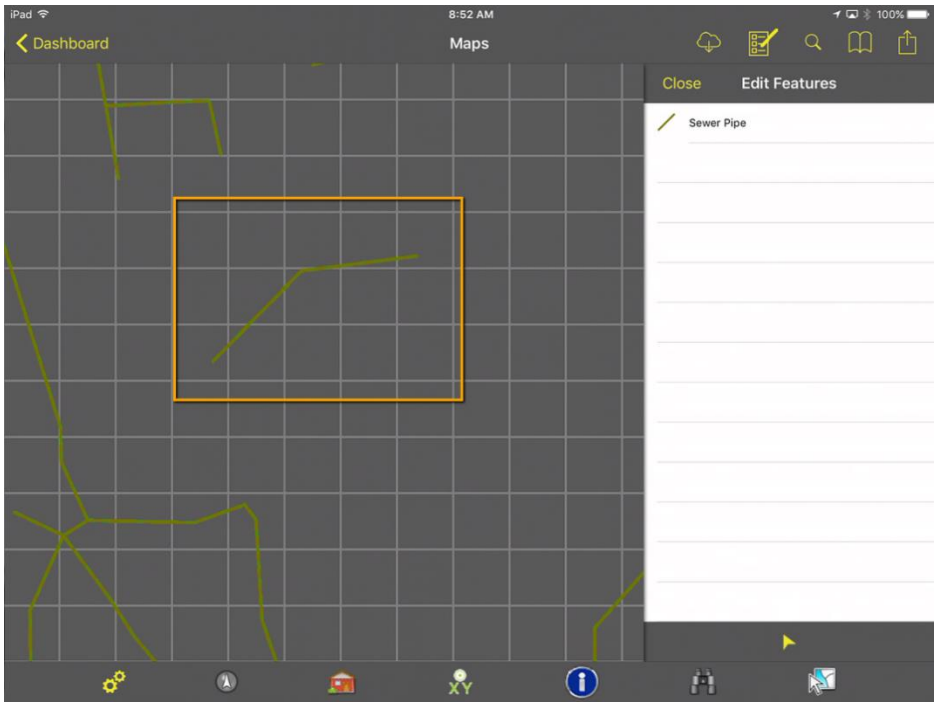
Tap on the small arrow icon in the lower portion of the Edit Features pane and then tap on the feature you want to edit. It will open the Details dialog so that you can edit values there. When you have finished, tap on the drawing tool at the bottom of the dialog and it will highlight the feature for editing:



Once the feature is in edit mode, tap on any end points or middle points. It will highlight that point and then you can tap a new location to move it to that point:

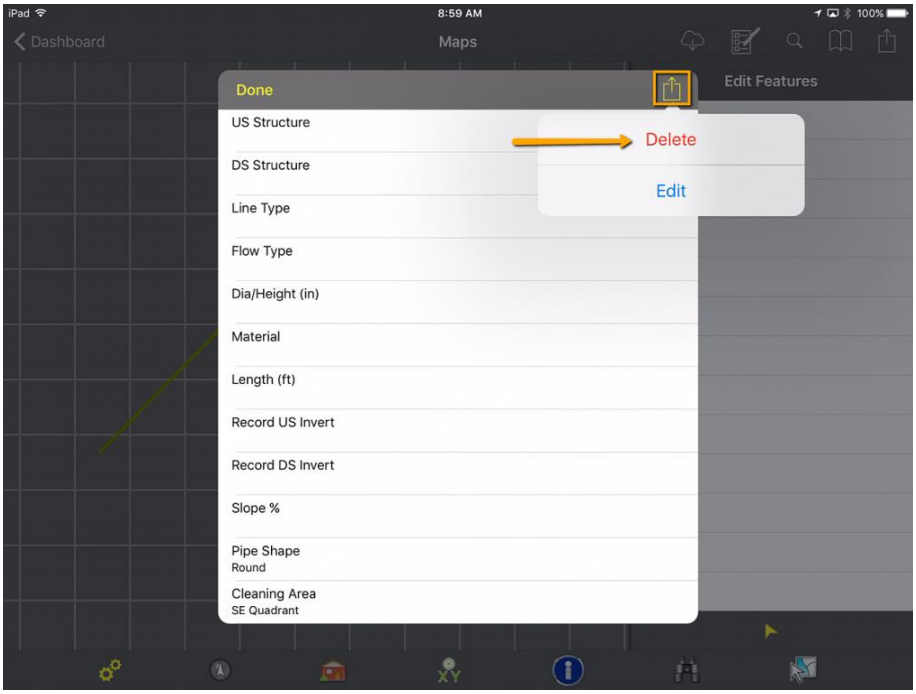


When you are finished, tap the Save button. This opens the details again so you can make any adjustments and then tap Done. The feature has now been updated:

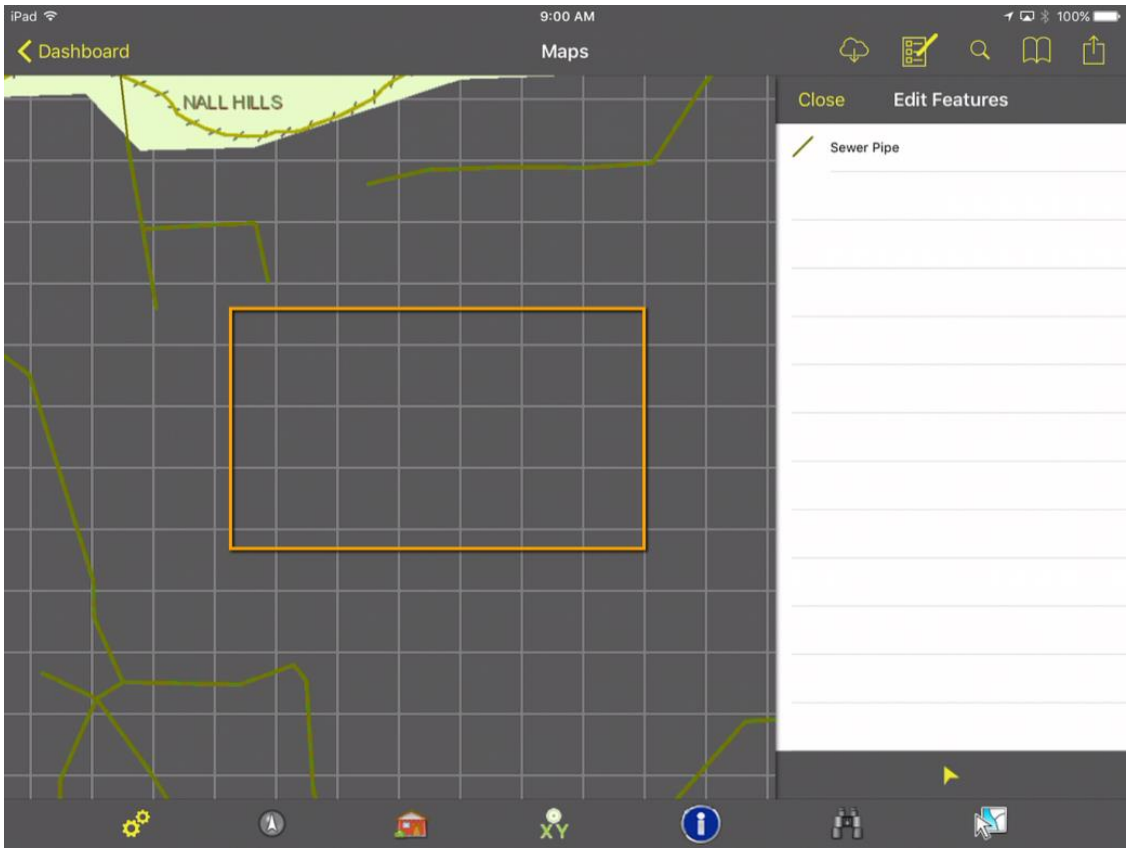


Deleting a Feature

Tap on the small arrow icon in the lower portion of the Edit Features pane and then tap on the feature you want to delete. This will open the Details dialog. In the upper right corner of the Details dialog, tap done. Then tap the menu button and it will give you options to Edit or Delete.



A confirmation prompt will confirm that you want to delete the selected feature. Once you have confirmed, the feature will be deleted from the map:



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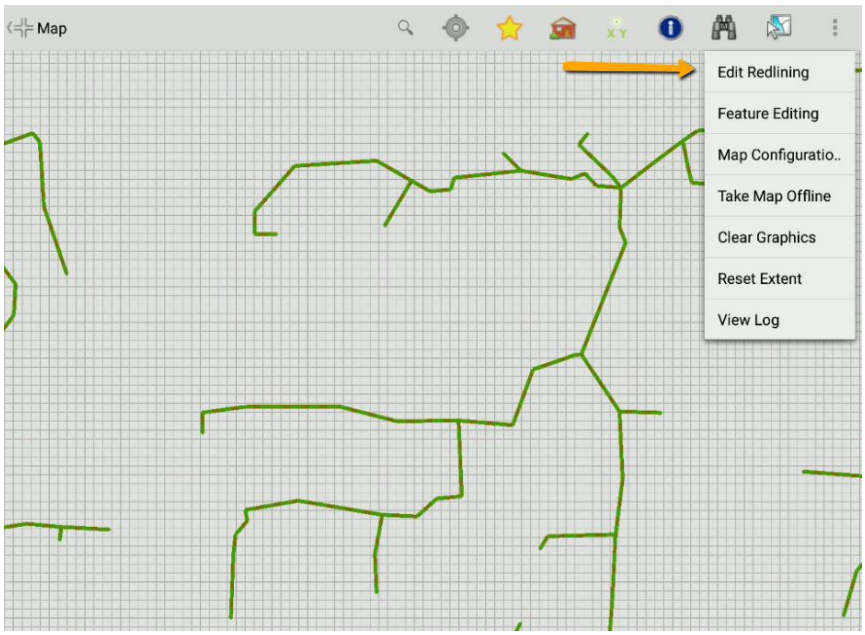
Redlining

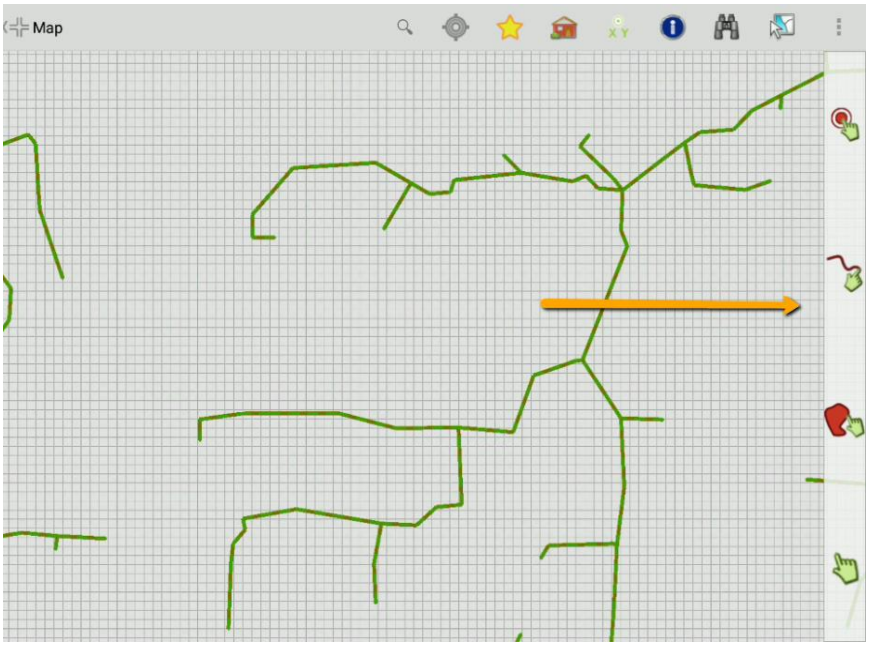
The Redlining tool allows users to add markups to the map. The feature can be used to provide information to someone at another location or to save information for later. Both of our Mobile applications support redlining including points, lines and polygons. You must have a redlining service set up and included on the map you are using.

Android

If you are using a map that includes a redlining service, then “Edit Redlining” will be available in the Overflow Menu.



Tap on “Edit Redlining” to open the redlining tools:

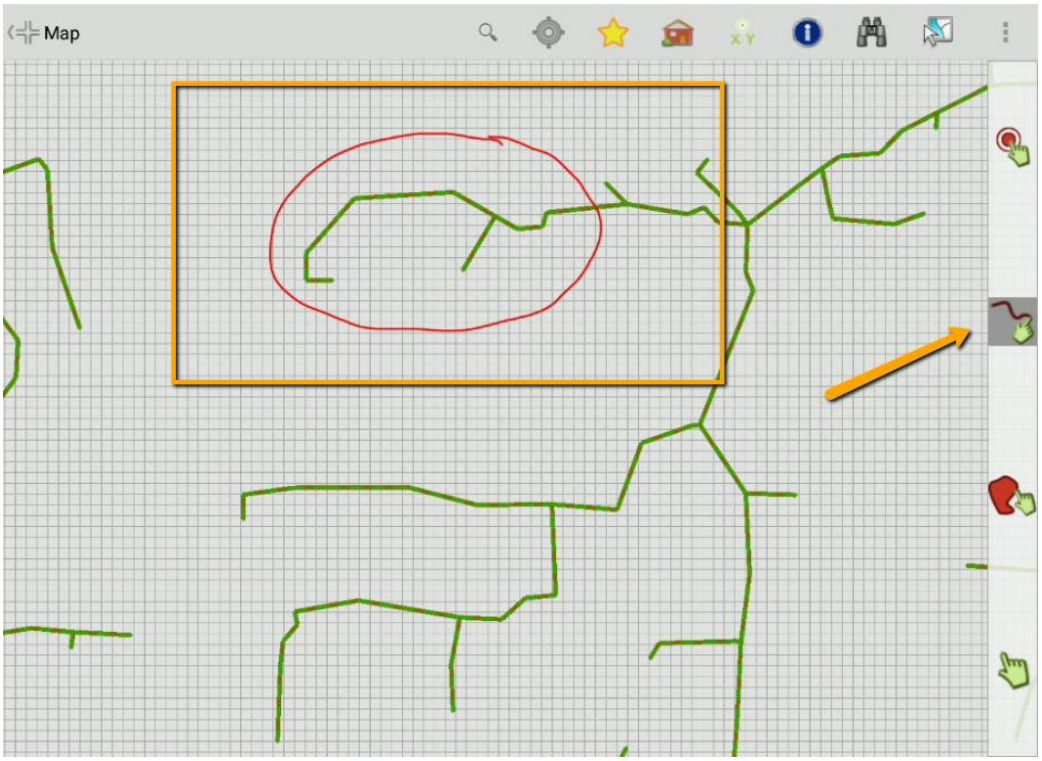


Included in the redlining tools are the following buttons:

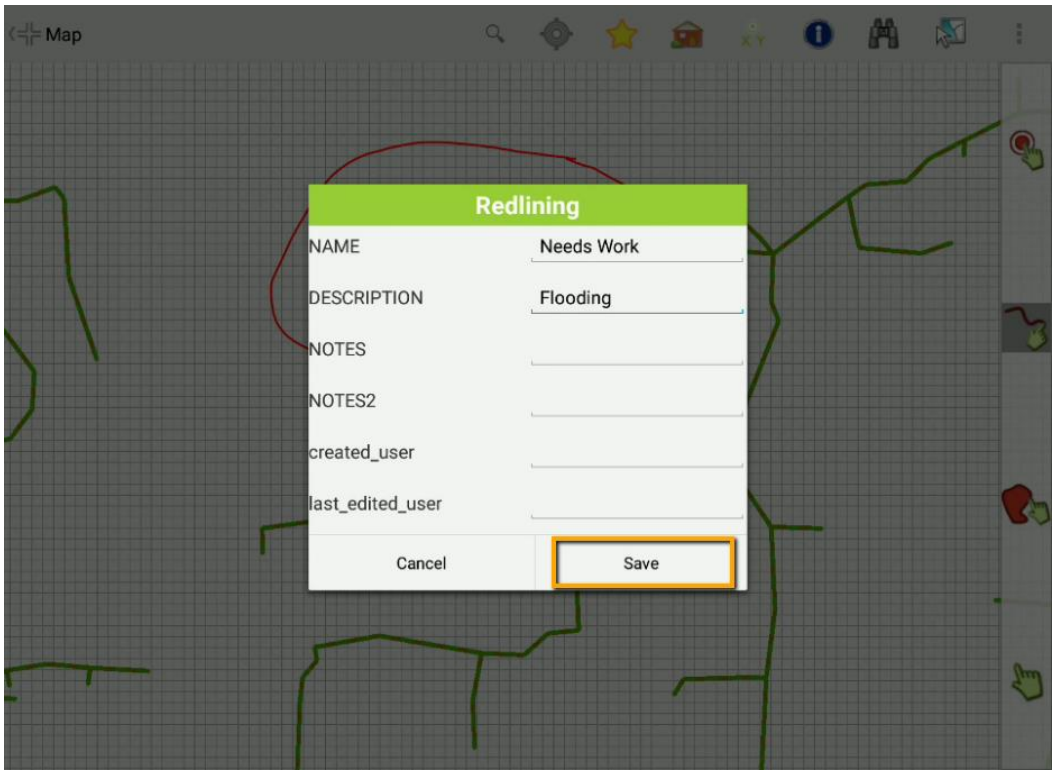
	Point	This button allows you to create a point.
	Line	This button allows you to create a line.
	Polygon	This button allows you to create a polygon.
	Select	This tool allows you to select a previously created markup feature for editing or deleting.

Adding a Redlining Feature

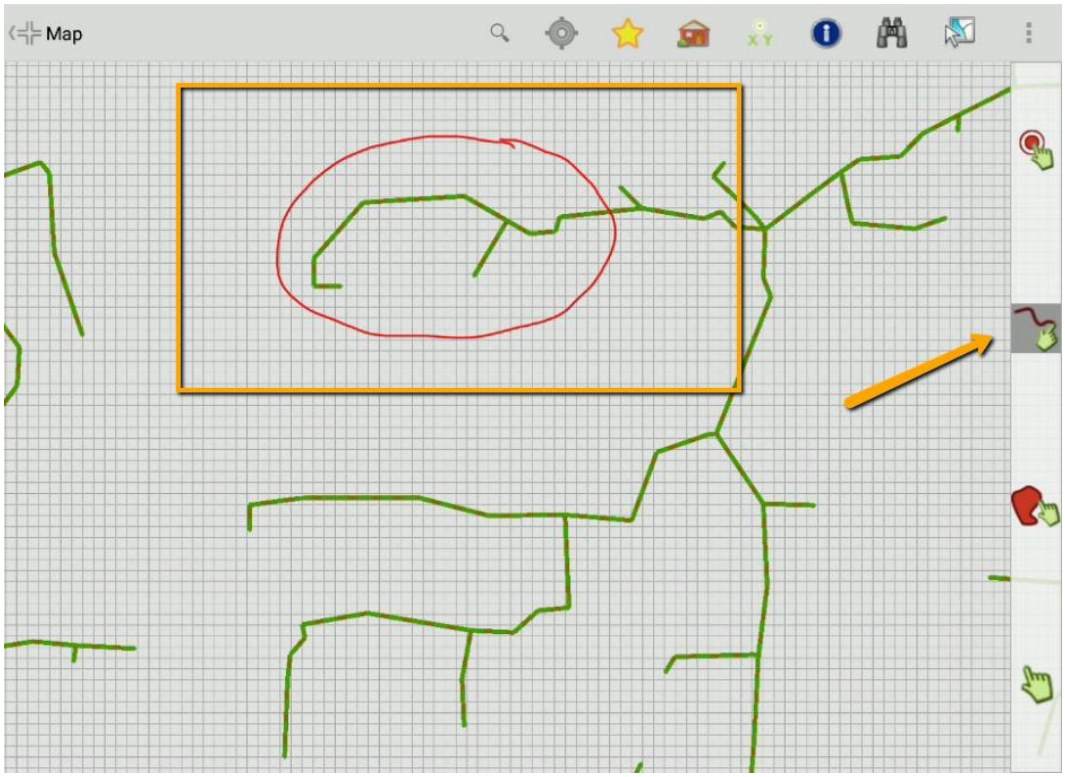
Tap on one of the buttons to add a redlining feature (point, line or polygon). That button will be highlighted. You can now free draw that feature on the map:



When you finish the drawing, a details dialog will open allowing you to enter information to help identify the area or problem that needs attention:

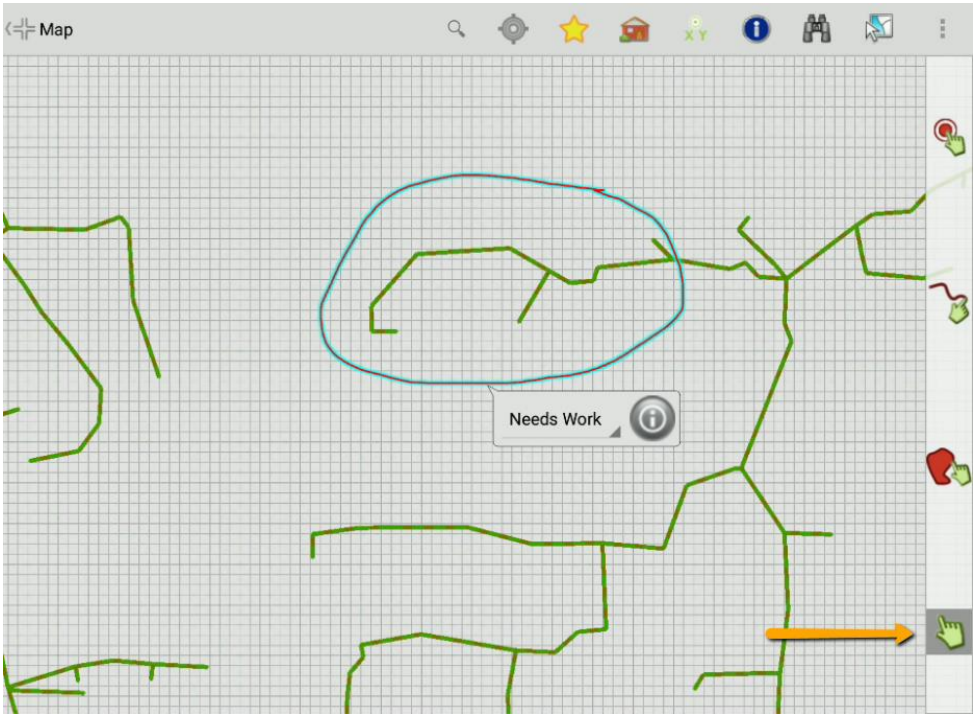


Tap Save when you are finished, and the markup feature will now appear on the map:

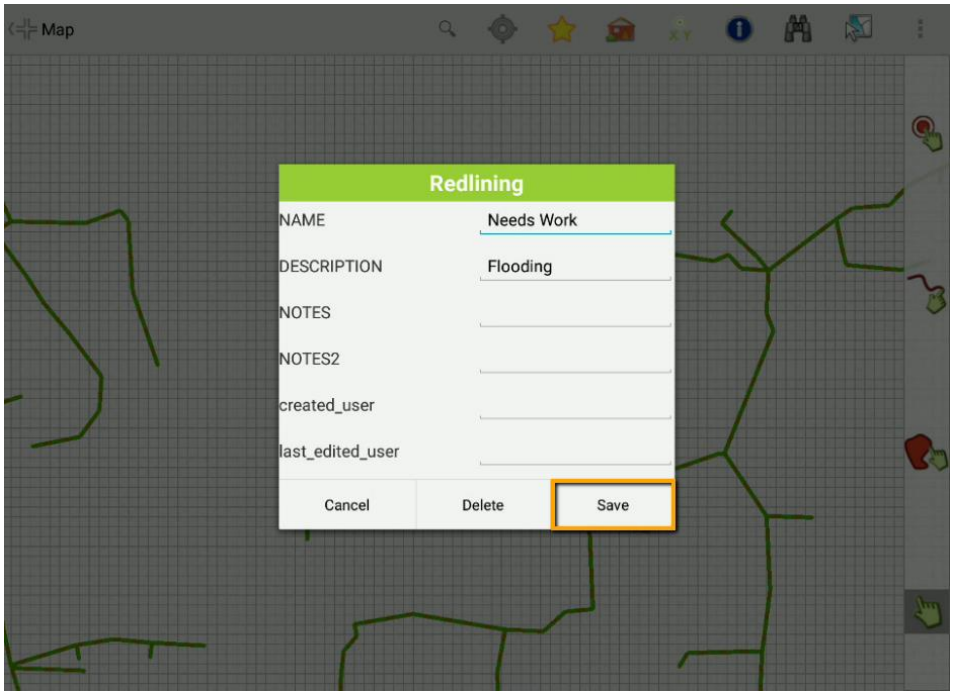


Editing a Redlining Feature

With the redlining tools enabled, tap on the hand icon to select a feature. Then tap on the feature you want to edit:

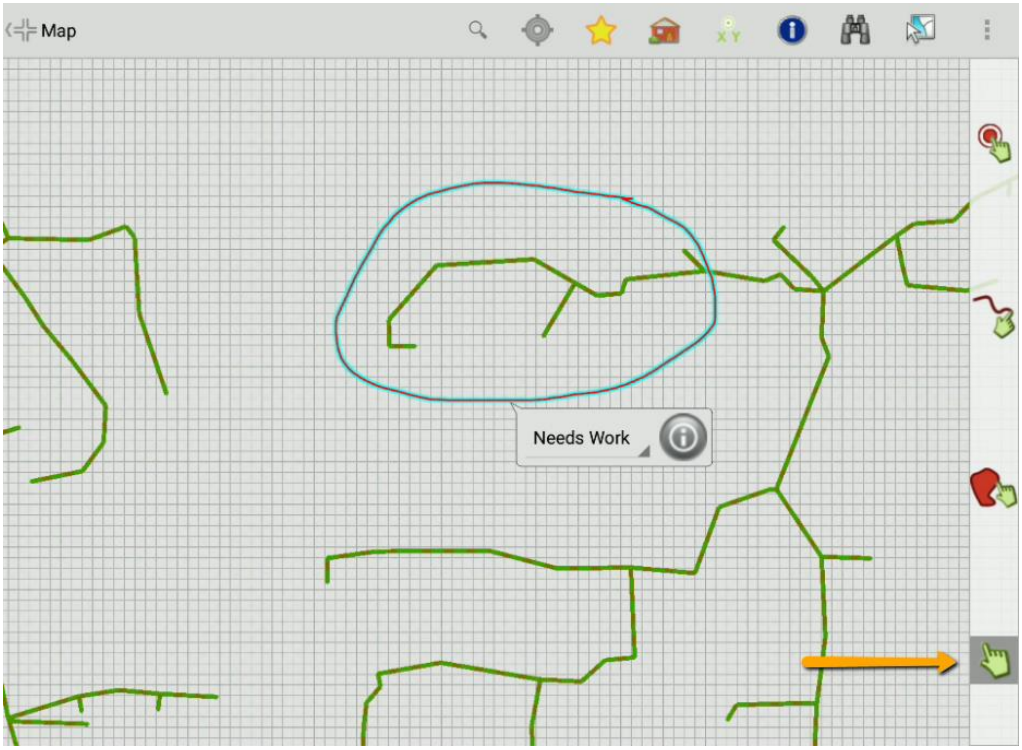


In the callout for that feature, tap on the to go to the Details of the Selected Feature. From here, you can edit the details and then tap Save. Redlining in Android doesn't currently allow editing of the actual drawing:

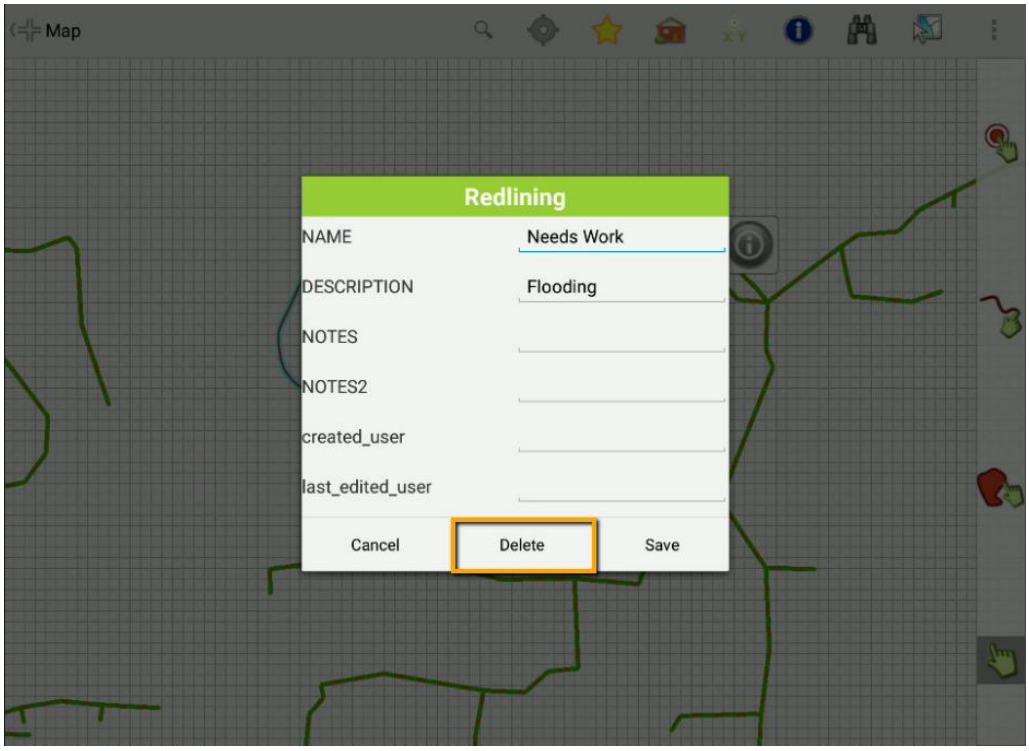


Deleting a Redlining Feature

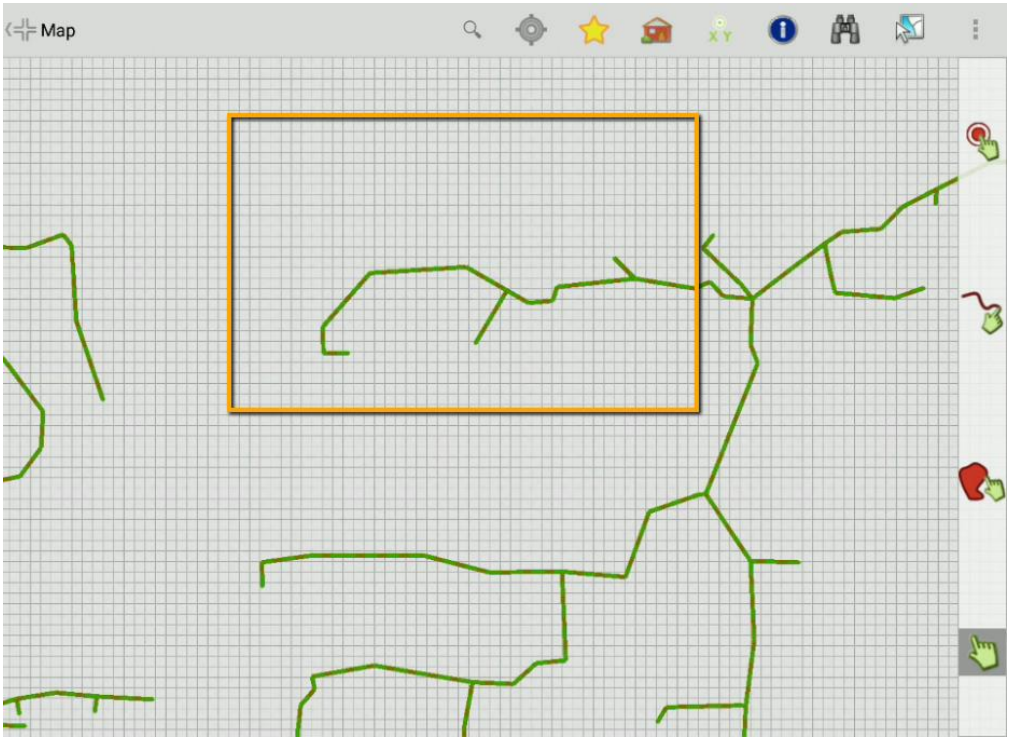
Tap on the hand icon in the lower portion of the pane and then tap on the feature you want to delete:



In the callout for that feature, tap on the to go to the Details of the Selected Feature and then tap the Delete button.



A confirmation prompt will confirm that you want to delete the selected feature. Once you have confirmed, the feature will be deleted from the map:



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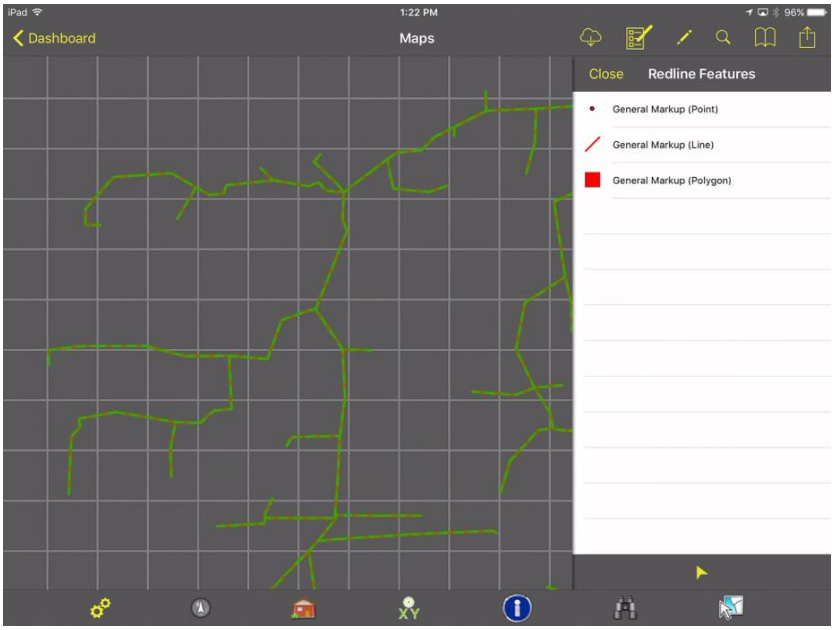
iOS

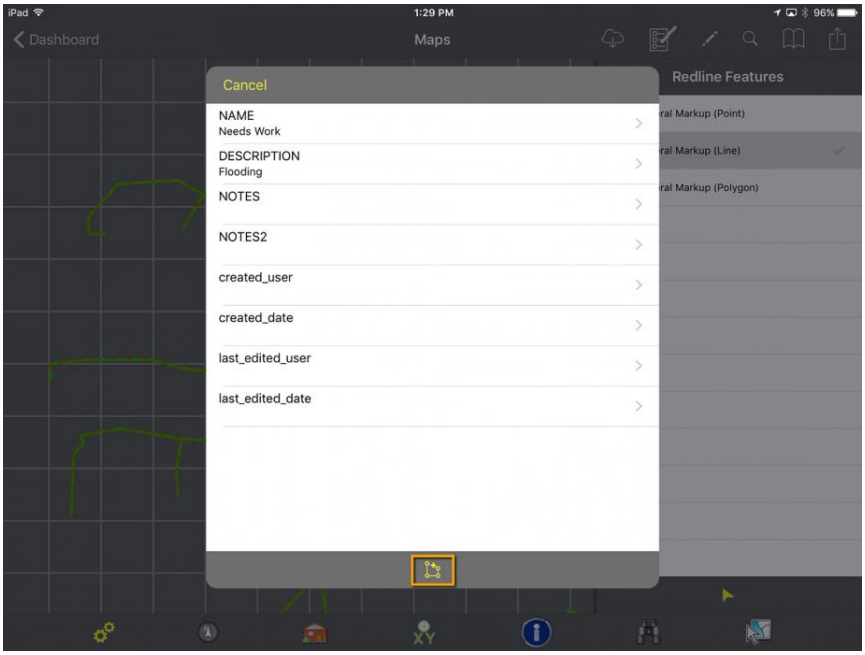
If you are using a map that includes a redlining service, then in the toolbar on the map, you will see an icon that looks like a pencil . Tap this icon to open the redlining tools. A pane will open on the right side of the map:



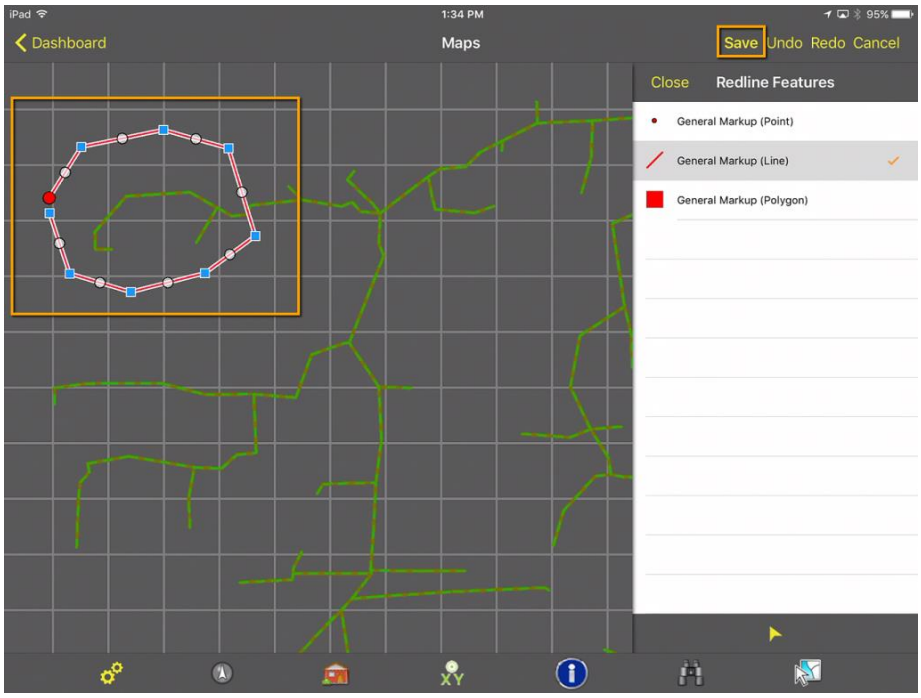
You will see the features that are available to be edited. These will vary depending on how your redlining service is configured.

Adding a Redlining Feature

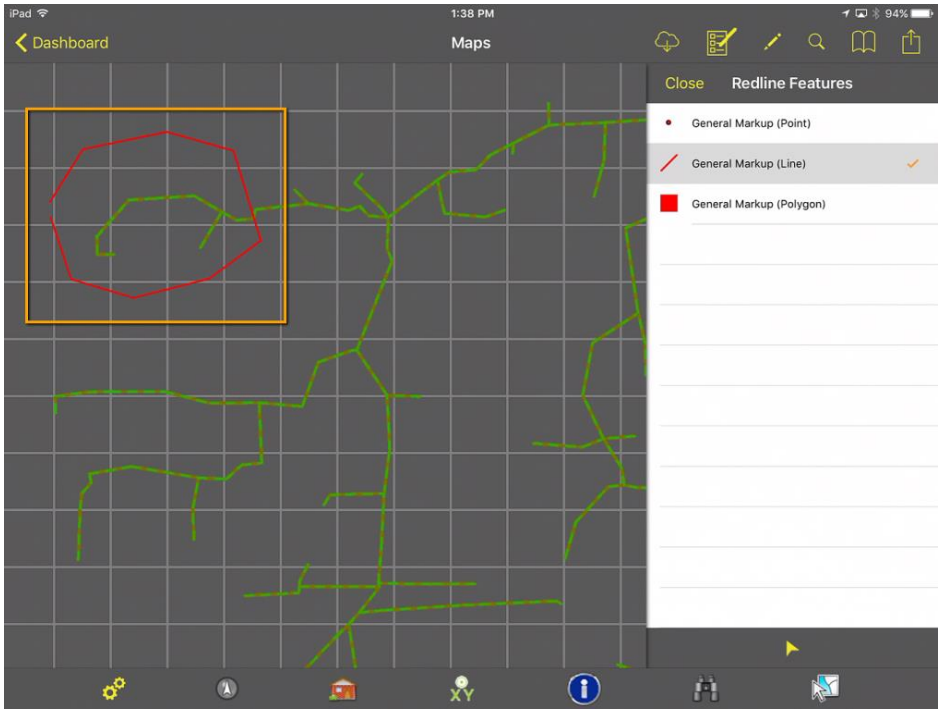
Tap an item from the list to add a point, line or polygon. That type will be highlighted, and a Details dialog will open allowing you to enter values to identify the area or problem that needs attention:



When you are finished entering the appropriate values, tap the draw button to begin drawing. Draw your features using tap points:

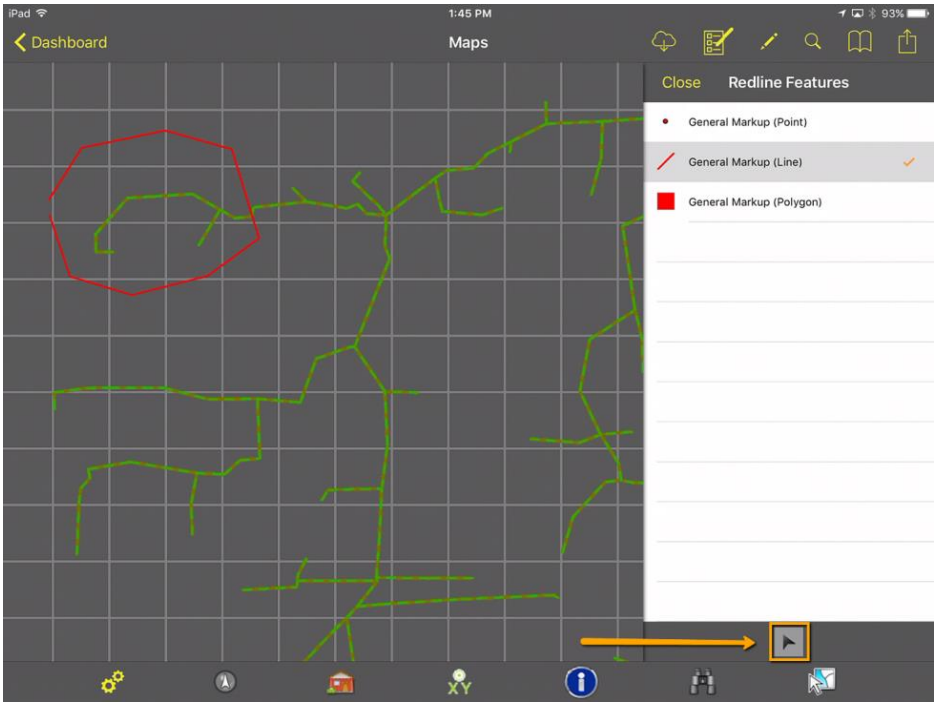


When you are finished with the drawing, tap the Save button in the upper right. Other options there include Undo, Redo, and Cancel. When you tap Save, the details dialog opens again so you can make additional changes and when you are finished, Tap Done. The markup feature is now saved and visible on the map:

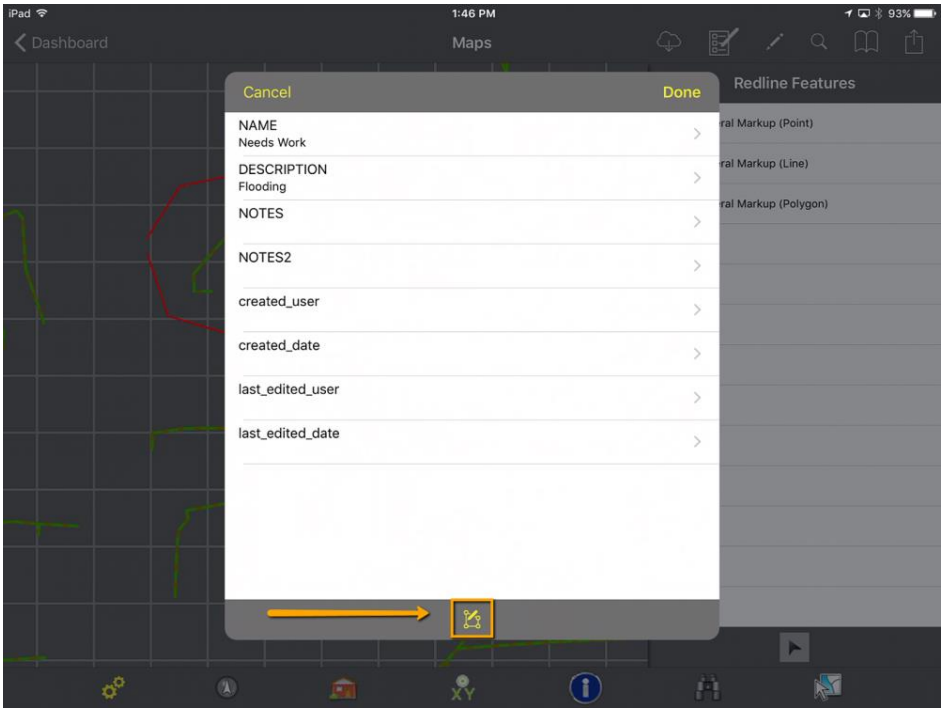


Editing a Redlining Feature

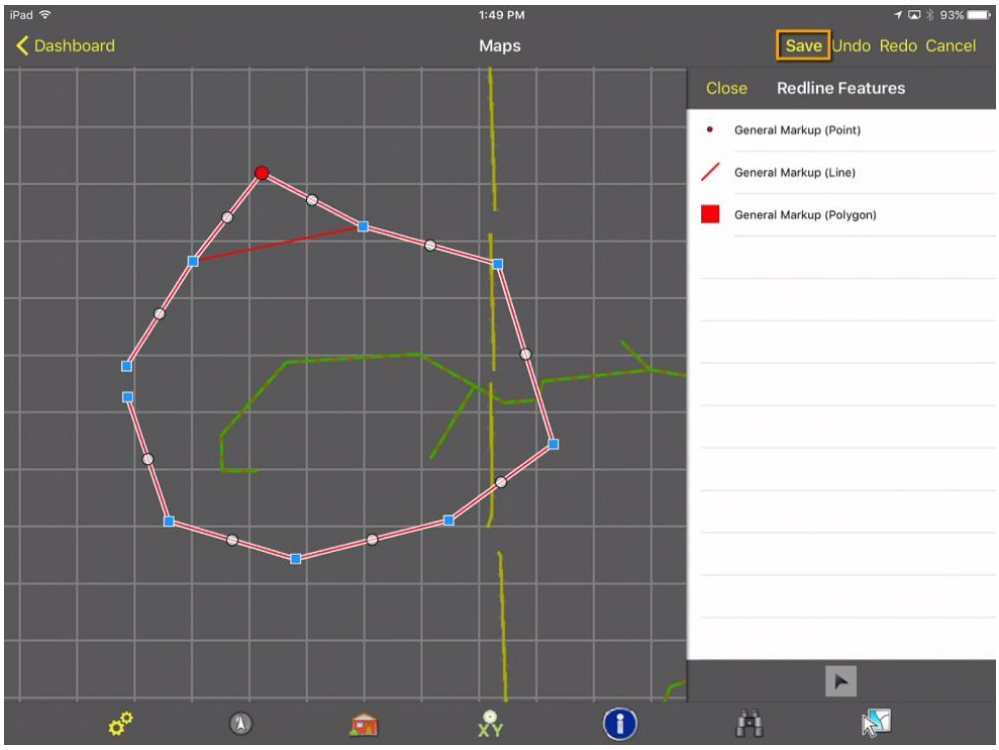
With the redlining pane open, tap on the arrow icon at the bottom of the pane to enable the selection mode.



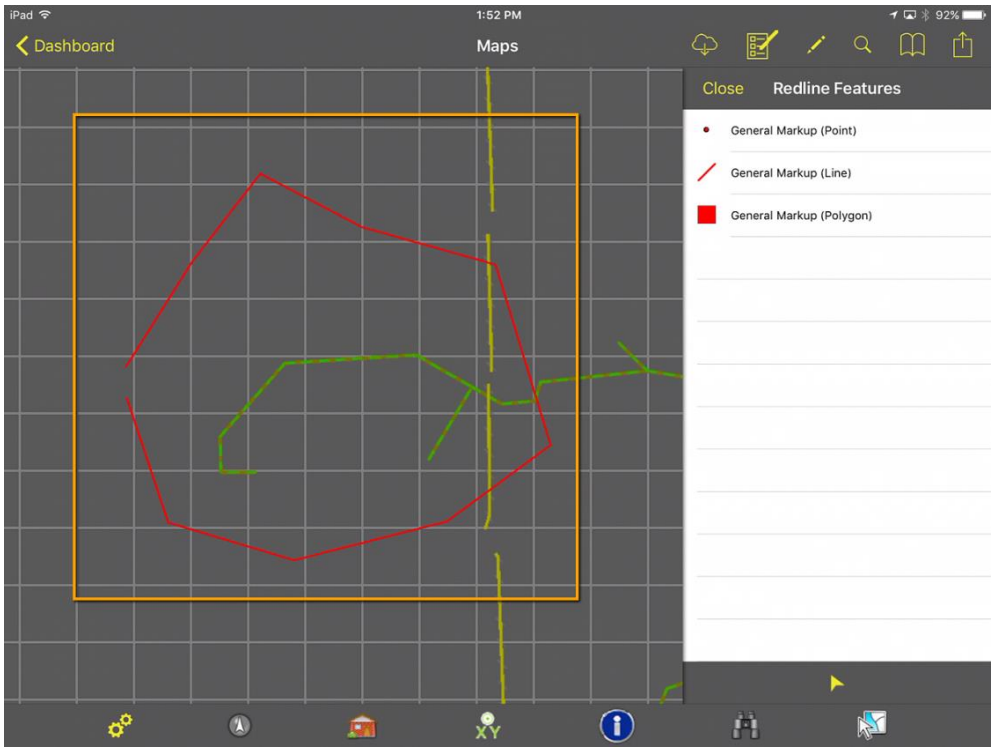
Then tap on the markup feature you want to edit. The details pane will open which allows you to edit the details of this feature. When you are finished, tap the drawing tool at the bottom of the dialog to begin editing the drawing:



Once the feature is in edit mode, tap on any end points or middle points. It will highlight that point and then you can tap a new location to move it to that point:

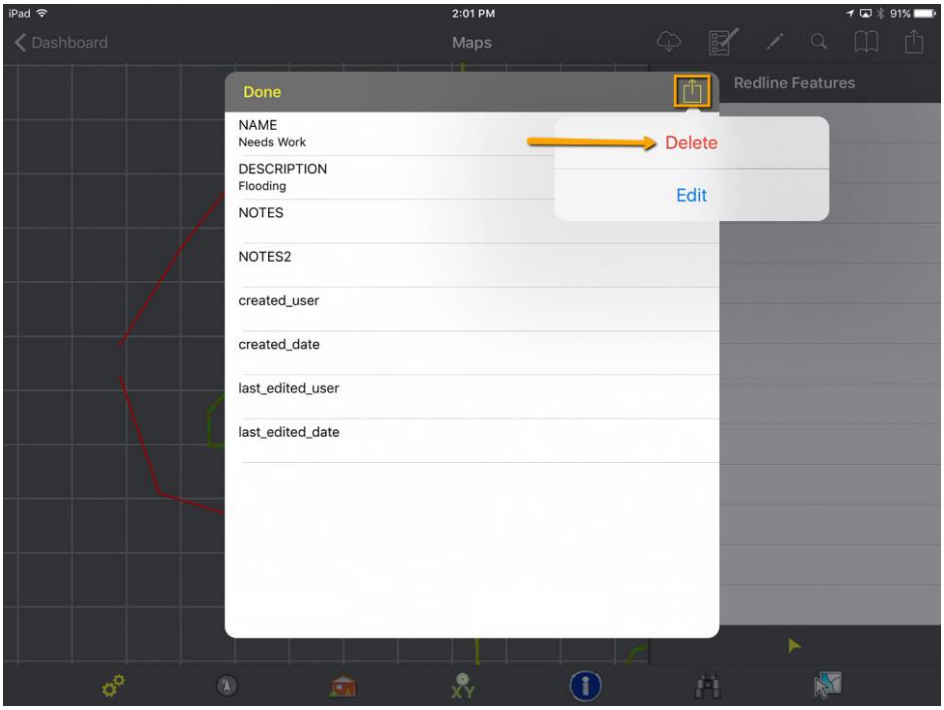


When you are finished, tap the Save button. This opens the details again so you can make any adjustments and then tap Done. The feature has now been updated:

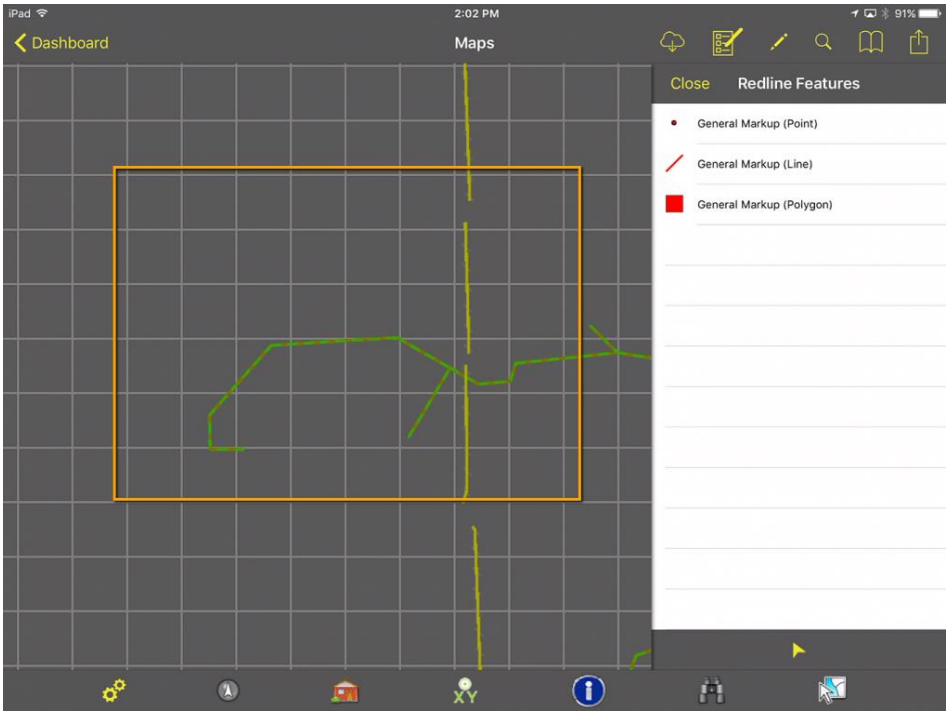


Deleting a Redlining Feature

Tap on the small arrow icon in the lower portion of the Redline Features pane and then tap on the feature you want to delete. This will open the Details dialog. In the upper right corner of the Details dialog, tap Done. Then tap the menu button and it will give you options to Edit or Delete.



A confirmation prompt will confirm that you want to delete the selected feature. Once you have confirmed, the feature will be deleted from the map:



Signatures

Overview

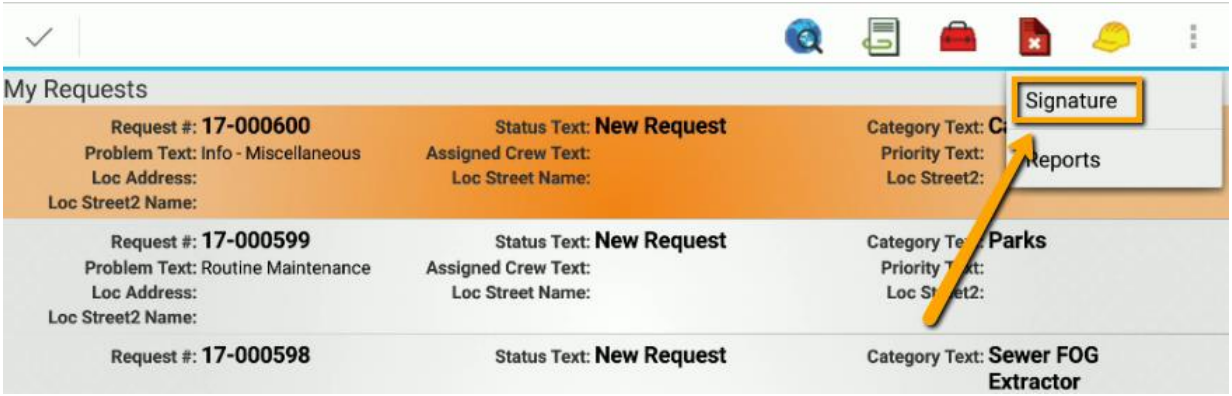
This feature allows you to collect a signature and associate it to a specific record. For example, you might want to store a signature for an inspection or for a request. Please note: These signatures do not meet the minimum criteria for being considered legally binding. Signature Capture requires that your server be on Lucity 2017r2 or later. Your administrator will need to set up the signatures and attach them to the appropriate forms. Once this is done, collecting signatures is relatively straightforward process.

Collecting Signatures

Within the mobile app is the only way you can see if there are signatures available for a record and whether they have been collected. The ability to see signatures is not currently available in the web app.

Android

In the Android application, navigate to the module and record where you want to collect a signature. Either long tap the record to select it or open the form for the record. Tap the ⋮ button and select **Signature**.

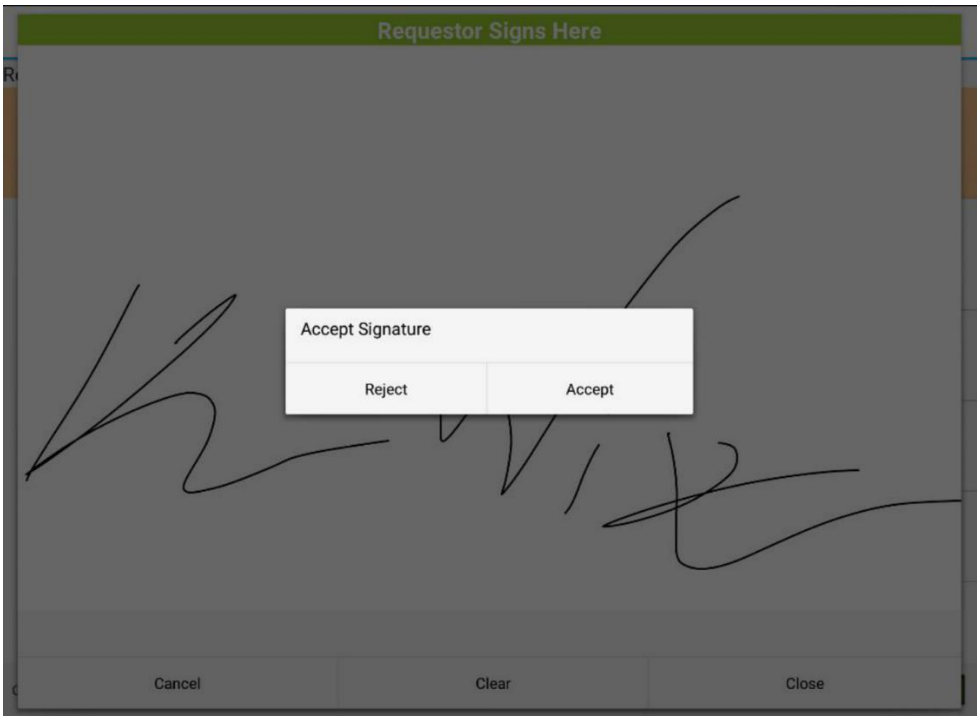


The following pop-up will appear with a list of possible signatures that can be collected for this record:

Tap **Capture** next to the signature that you want to enter. The signature capture window will open.

You'll notice the label you configured earlier shows at the top of this dialog. The person giving the signature signs in this box.

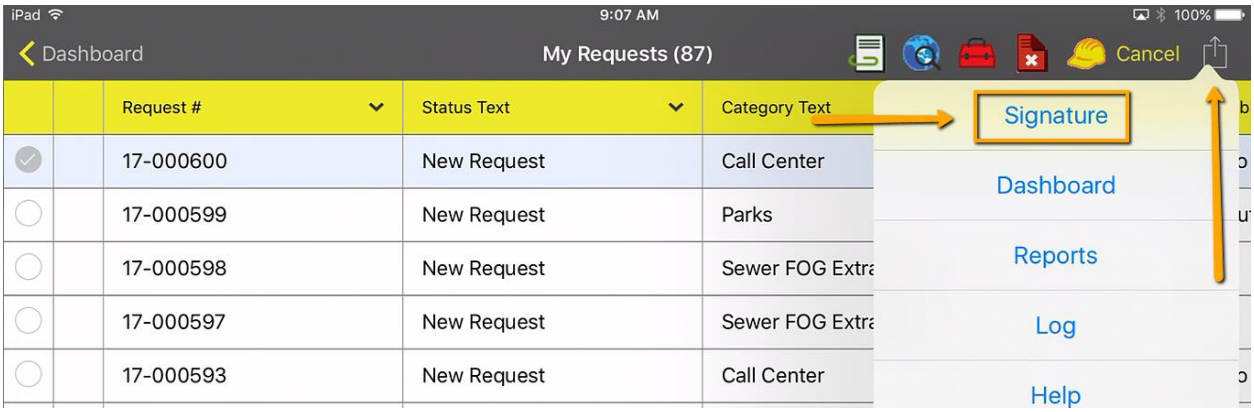
The signer can Clear the signature and try again or can Cancel to return to the list of available signatures. If the signature is acceptable tap Close. The following pop-up then appears:



The person asking for the signature can either Reject or Accept the signature. If the signature is accepted, that signature is locked and cannot be changed or deleted. In the list of available signatures, it will now show the date and time that signature was collected.

iOS

In the iOS application, navigate to the module and record where you want to collect a signature. Either long tap the record to select it or open the form for the record. Tap the button and select **Signature**.

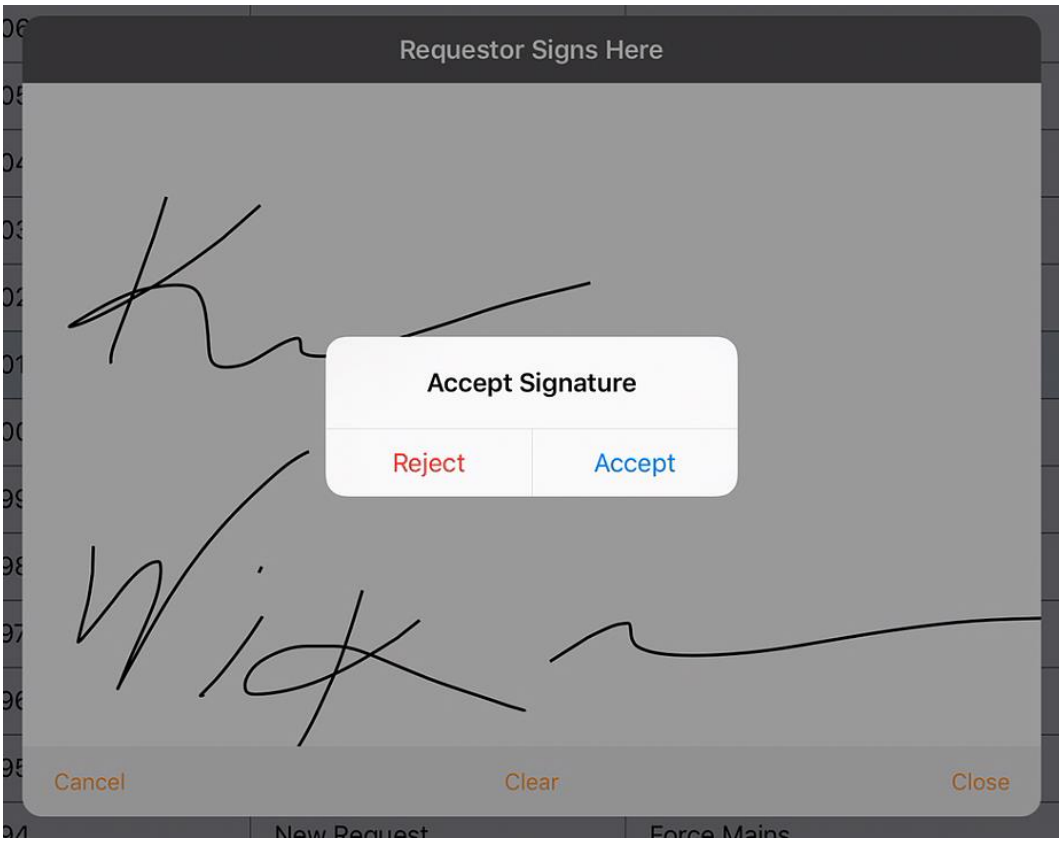


The following pop-up will appear with a list of possible signatures that can be collected for this this record:

Tap Tap to Sign next to the signature that you want to enter. The signature capture window will open.

You'll notice the label you configured earlier shows at the top of this dialog. The person giving the signature signs in this box.

The signer can Clear the signature and try again or can Cancel to return to the list of available signatures. If the signature is acceptable tap Close. The following pop-up then appears:



The person asking for the signature can either Reject or Accept the signature. If the signature is accepted, that signature is locked and cannot be changed or deleted. In the list of available signatures, it will now show the date and time that signature was collected.

Signature Reports

To see the image of the signature that was collected, you must run a report that includes the signature fields. You can do this from the web app or from the mobile app. Here is an example of a report that includes signatures:

8/31/2017

The following information relates to your request:

Category : Fleet Maintenance

Problem : Preventative Maintenance

Cause : Oil Change

The work supervisor has reviewed the request on-site for further required action.

Supervisor : Tom Gandy

Acknowledgement

Supervisor

Notes:_____

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