

ArcGIS Collector and Survey123

Coupon Test Station
User Guide For Androids



Together, Building
a Better California

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Overviews and Tutorials

ArcGIS Collector and Survey123

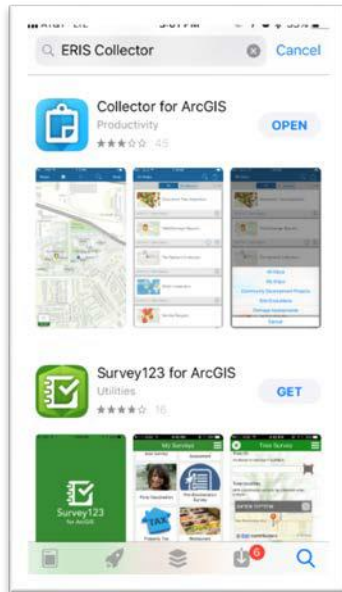
How to Open ArcGIS Online

Overview

Summary

Below are step-by-step instructions for downloading, signing-in, and launching the ArcGIS Online app.

1. If needed, download Collector App by searching ESRI Collector in the App Store.



System Requirements:

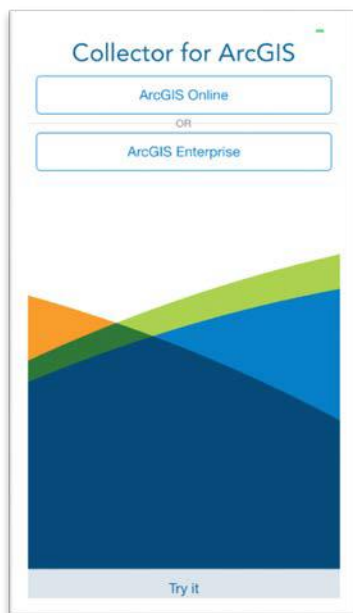
Android

- Android 4.2 (Jelly Bean) or later
- Processor: ARMv7 or later, or x86
- OpenGL ES 2.0 support
- Precise location (GPS and network-based) support

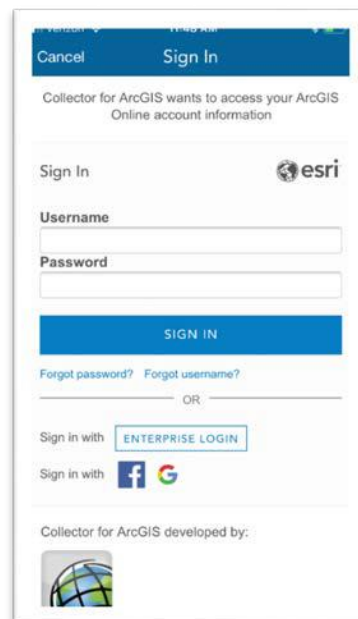
iOS

- iOS 8 or later
- iPhone, iPad, iPod touch

2. Start Collector App and sign in to ArcGIS Online.



Select ArcGIS Online



Sign-in

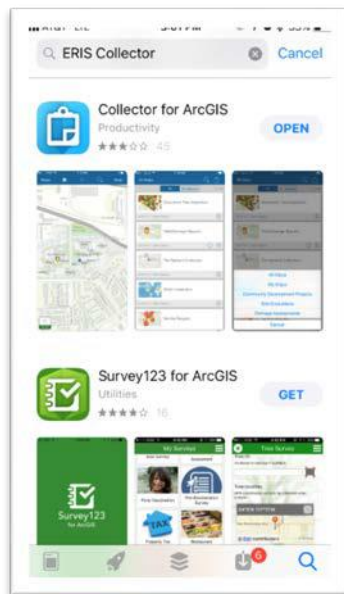
How to Open Survey123

Overview

Summary

Below are step-by-step instructions for downloading, signing-in, and launching the Survey123 app.

1. If needed, download the Survey123 App by searching Survey123 in the App Store.



System Requirements:

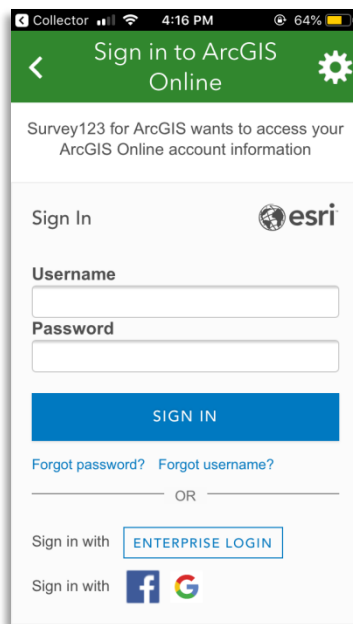
Android

- Android 4.2 (Jelly Bean) or later
- Processor: ARMv7 or later, or x86
- OpenGL ES 2.0 support
- Precise location (GPS and network-based) support

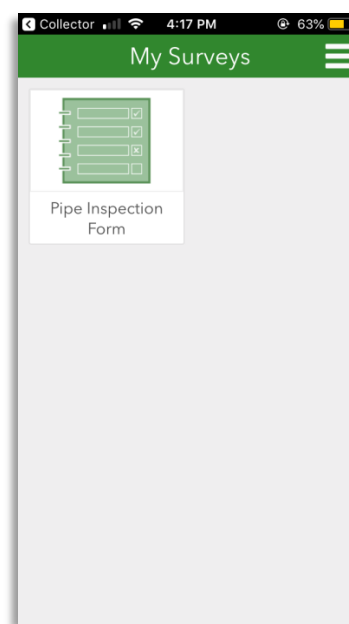
iOS

- iOS 8 or later
- iPhone, iPad, iPod touch

2. Start the Survey123 App and sign in in



3. Select Pipe Inspection Form



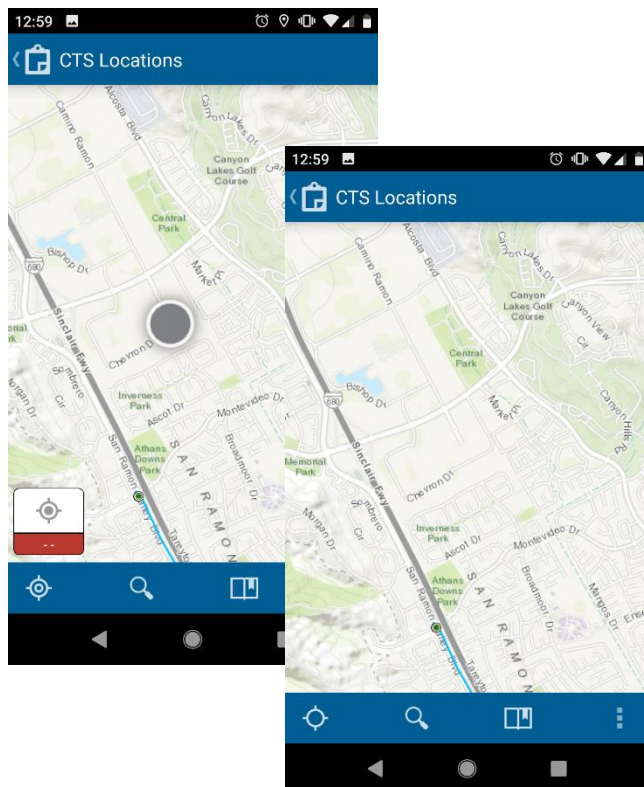
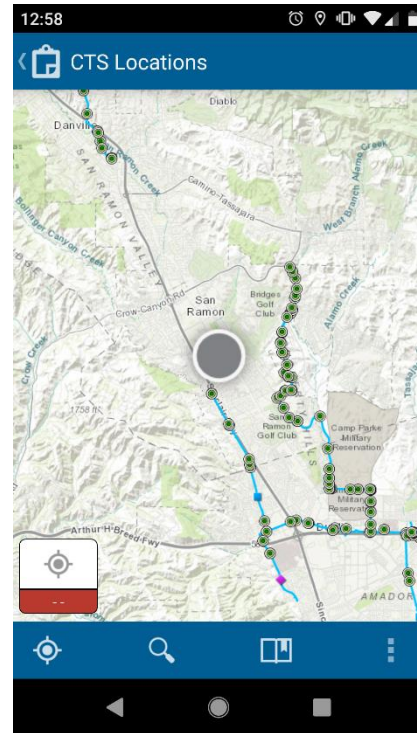
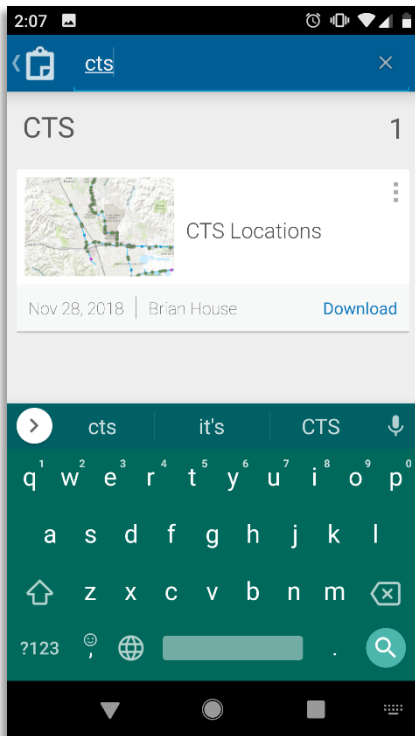
- Note: Surveys are device specific.

How to Open CTS Locations Map

Overview

1. Search and open CTS Locations

2. The map will open and center on your location.



GPS On

When the 'Current Location' icon is highlighted white, the GPS finder is on.

GPS Off

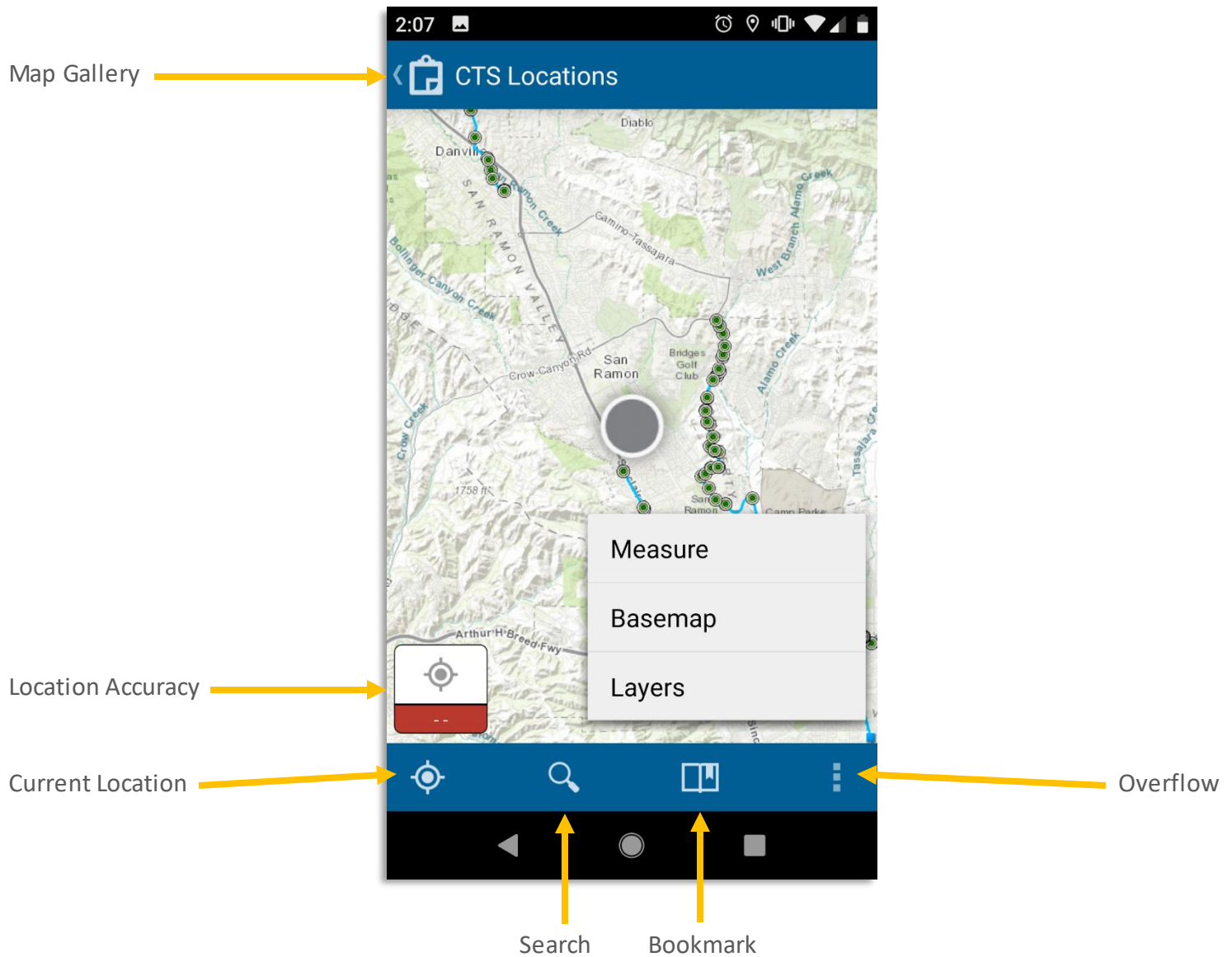
When the icon is not highlighted white, the GPS tracker is off.

Home Screen Menu

Overview

Summary

This is an overview of the ArcGIS Online for mobile interface.



Home Screen Menu

Overview



Overflow

Expands toolbar and shows the additional tools



Map Library

Navigates users back to the Map Library



Current Location

Center map on your current location



Bookmarks

Access your bookmarks

Layers

Map Layers

Access Map Layers List



Location Search

Search for addresses and locations

Measure

Measuring Tool

Access Measurement Toolkit

Basemap

Basemaps

Access to Basemap Library



Add a feature

Create new point, polygon, or line



Accuracy Integration

Horizontal and Vertical Accuracy

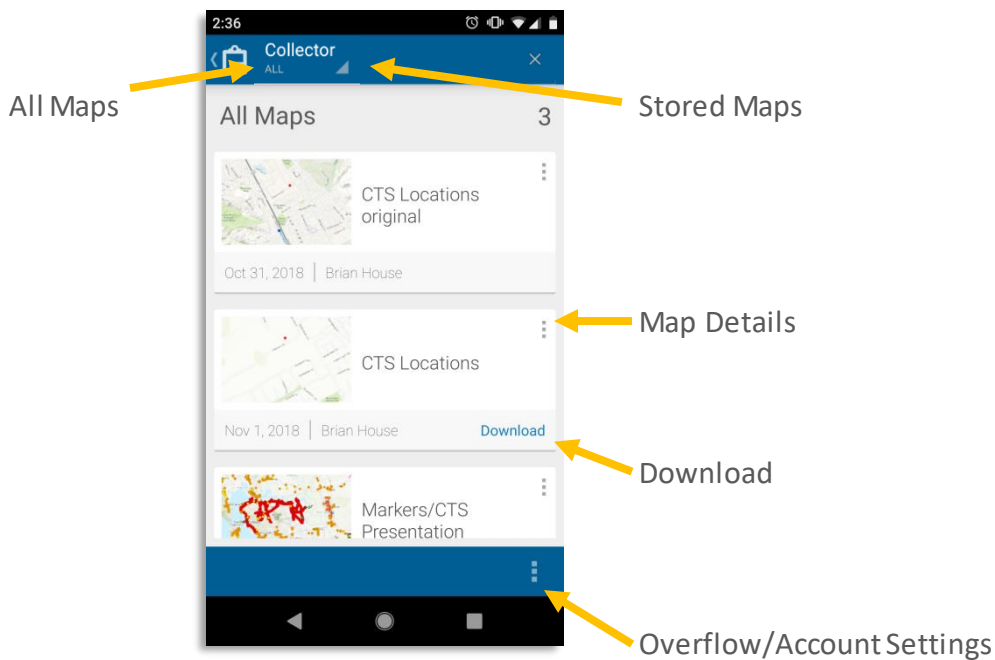
Map Library

Overview

Summary

This is where all your maps are stored. You'll have the option to store the map on your device.

Map Library Toolbar



All Maps

Navigates users back to the MapLibrary



Stored Maps

Toggle between Cloud-Based and On Device



Search Maps

Search through MapLibrary



Download to Device

Store Maps on Device for 'offline use'

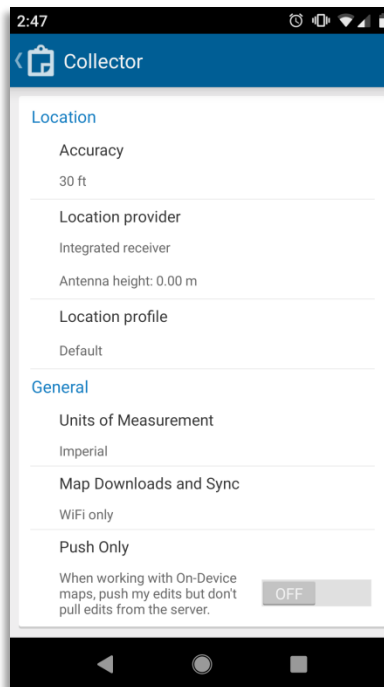
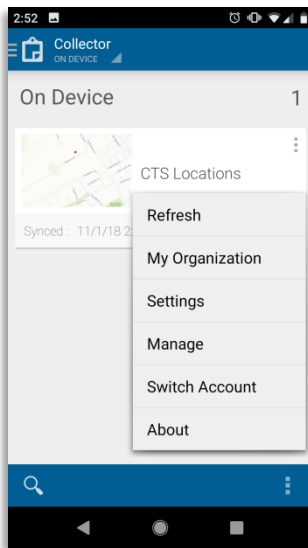


Map Details

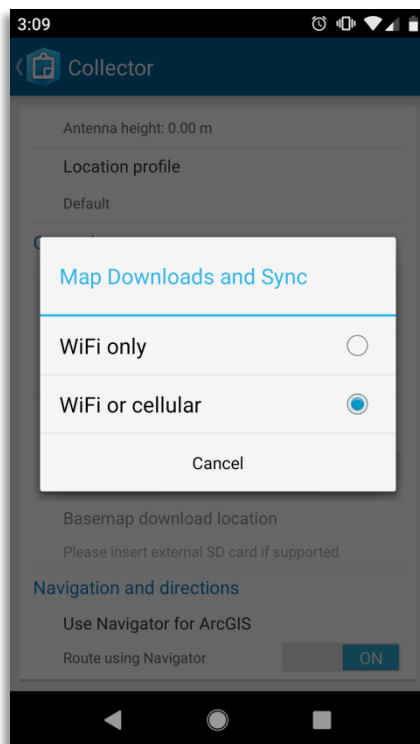
View map and survey details

Map Library

Overview

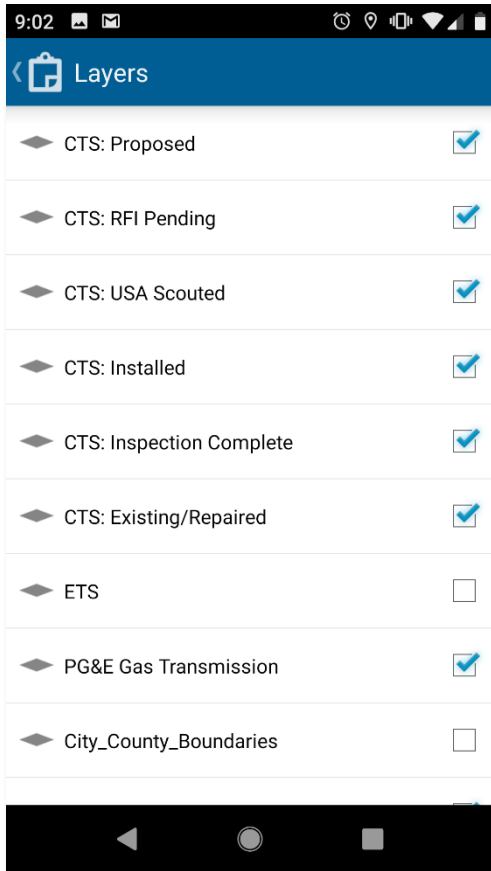


- Syncing of offline data should be available via wifi or cellular data.
- These can be configured in settings on the home screen.
- Open Settings and scroll down to General
- Select Maps Downloads and Sync
- Select Wifi or Cellular



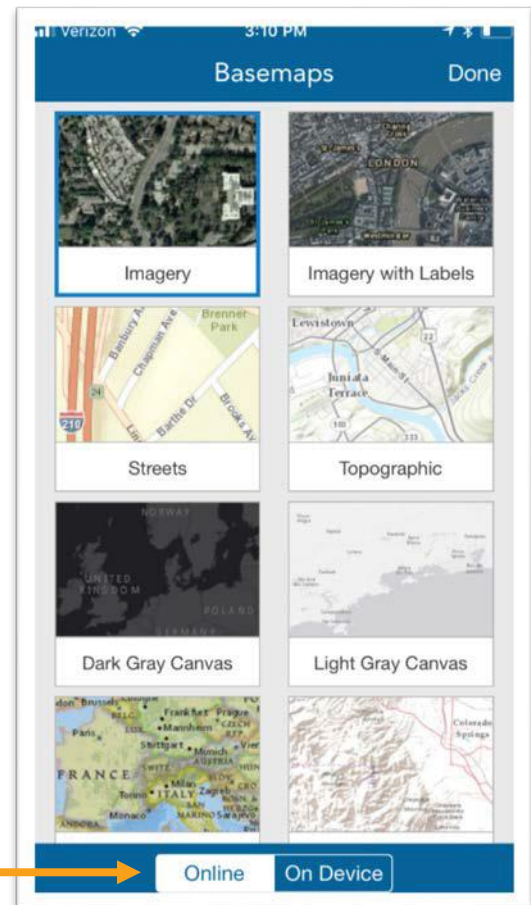
Map Layers and Basemaps

Overview



The available layers to view are CTS: Proposed, CTS: RFI Pending, CTS: USA Scouted, CTS: Installed, CTS: Inspection Complete, CTS: Existing/Repaired, ETS, PG&E Gas Transmission, City County Boundaries, and Parcels. If the blue circle to the left of the layer option is checked and blue, the layer is turned-on and will appear on the map.

If connected to WIFI or mobile data (not working 'On Device') you can access any ESRI basemap at any time. While connected to WIFI or mobile data, you can store basemaps to be used when working 'On Device'. This is where you can change the display type of the map that appears on your screen.



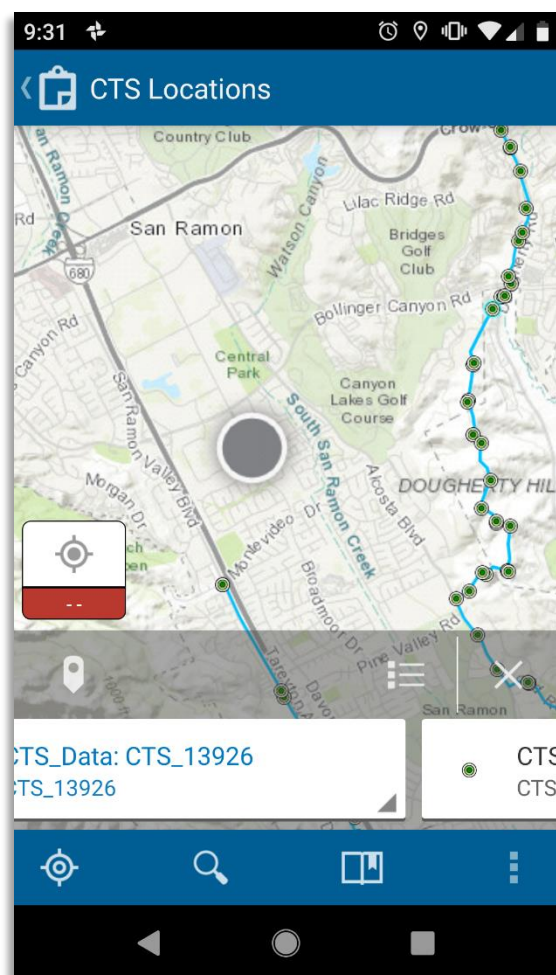
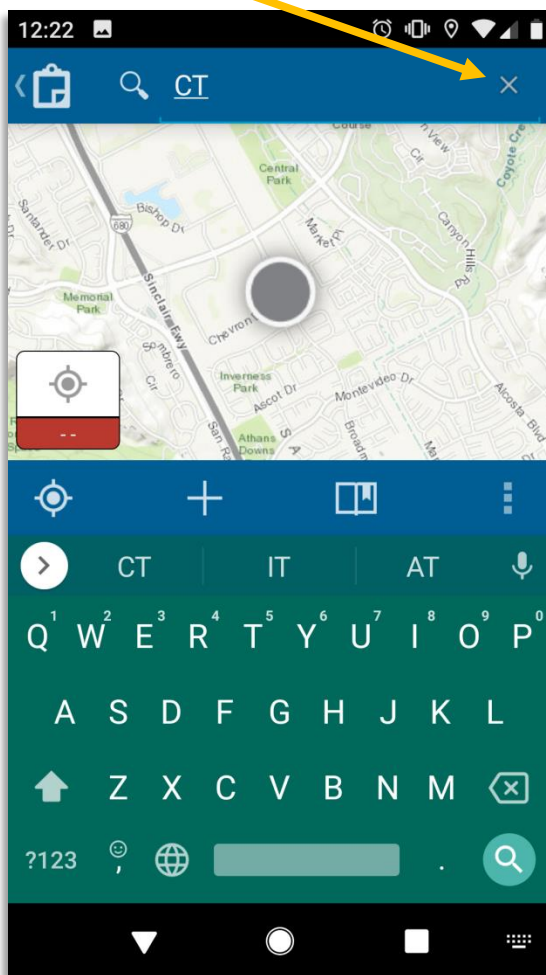
Online/On Device Toggle

Location Search

Overview

Summary

This is where you can search for places, addresses, or specific CTS locations. Once you enter the place or address you would like to locate, the map will adjust accordingly. The search can be removed by selecting the 'x' mark within the search bar.



Upload and Sync Offline Maps

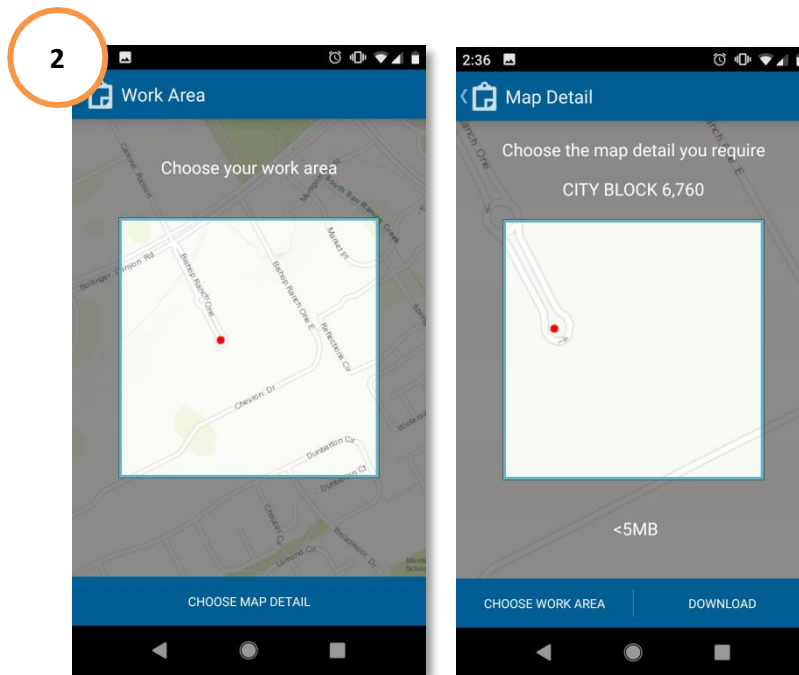
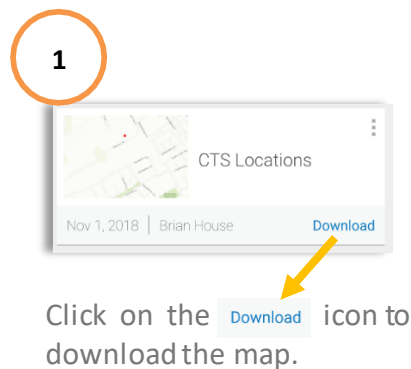
ArcGIS Collector

Upload/Sync Offline Maps

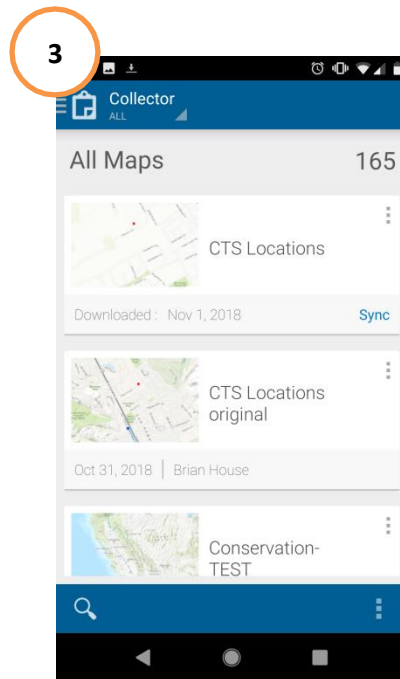
Summary

If you are working in a remote area with limited cellular service, you can download a map to work offline to work 'On Device'. If offline or working 'On Device', after you have re-established cellular service, you will need to go back to the 'Maps' menu under 'On Device' and click 'sync' these features to ArcGIS Online. This requires cellular data or WIFI connection.

Downloading a map for offline use



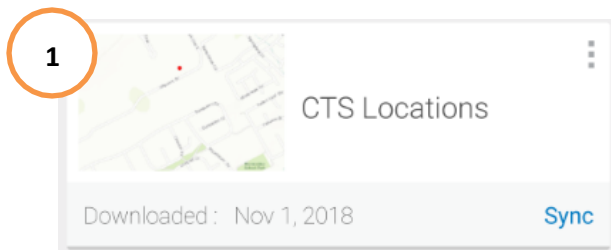
Upload/Sync Offline Maps



Sync means the map is now downloaded onto your device and is ready to sync

Syncing your offline activity

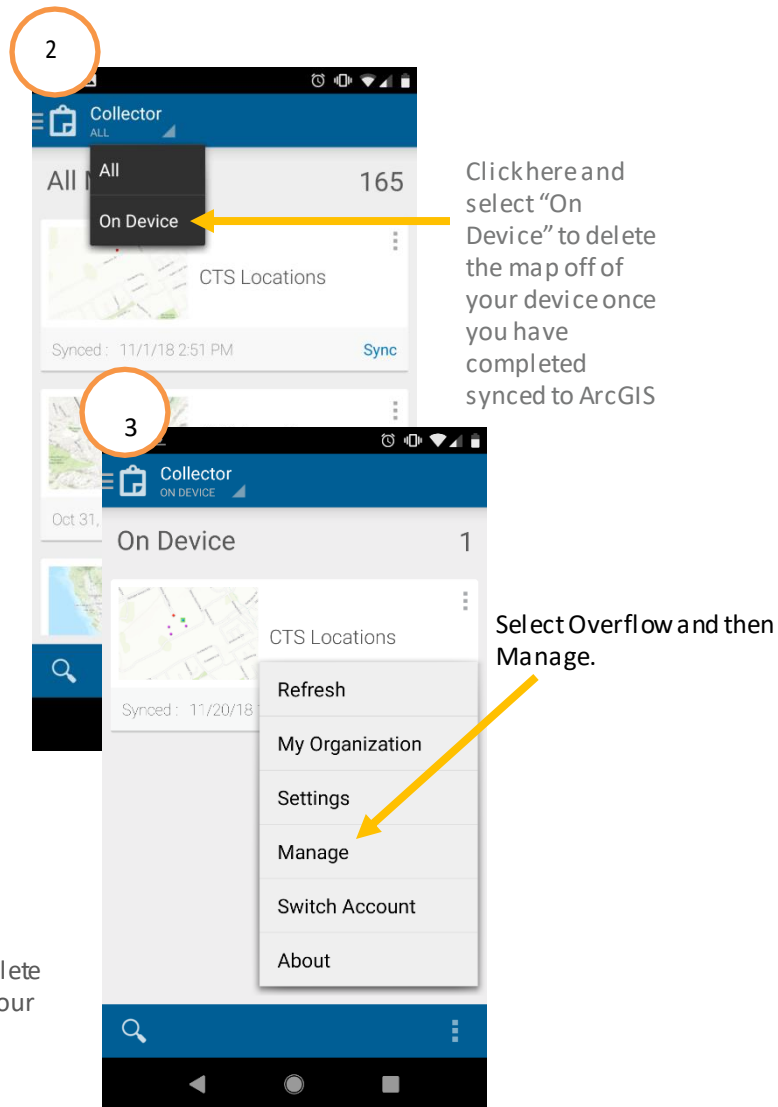
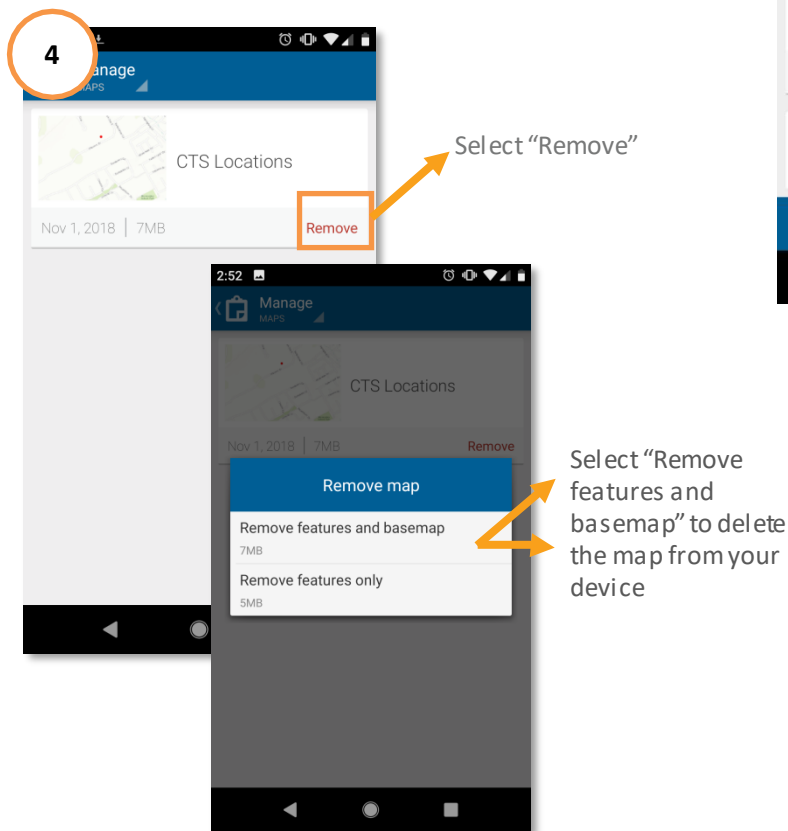
If you are working offline or 'On Device', be sure to sync your data once you have re-established either cellular service or have a WiFi connection. Once you have finished syncing all your offline maps, you can delete the saved maps from your device.



Select Sync submit the features added offline to ArcGIS Online.

Upload/Sync Offline Maps

If you are working online, connected to ArcGIS Online with WiFi or cellular data, you do not need to sync because it is done every time you select submit.



NOTE: DO NOT REMOVE DOWNLOADED MAP UNTIL ALL DATA IS UPDATED AND SENT IN SURVEY123.

Collecting Data








ArcGIS Collector

Symbols

Legend

Summary

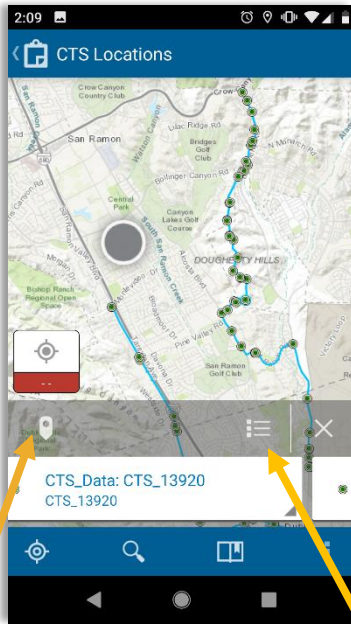
Below are the meanings of the symbols and colors that are seen throughout the map as you input the information for each layer.

Legend	
CTS: Proposed	
CTS: RFI Pending	
CTS: USA Scouted	
CTS: Installed	
CTS: Inspection Complete	
CTS: Existing/Repaired	
PG&E Gas Transmission	

Editing Data

Map Layers

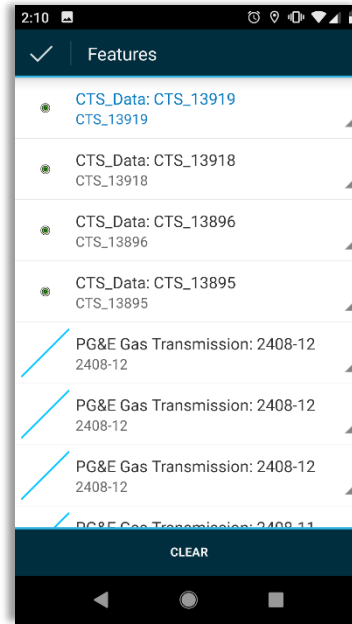
1. Search for specific CTS Location



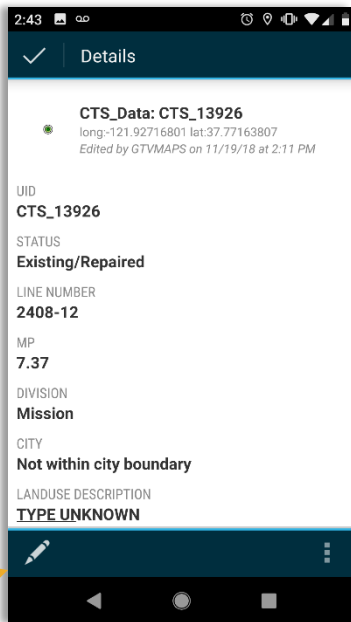
Pin Icon

List

2. Select the Pin icon or List to identify the specific CTS location that needs to be edited

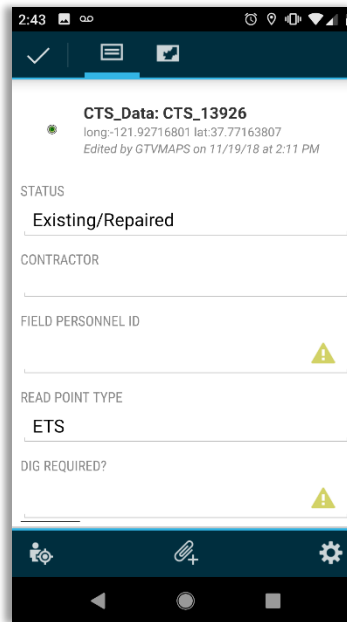


3. Select specific CTS Location to open details and select edit



Edit

4. Fill out all the pertinent data within collector



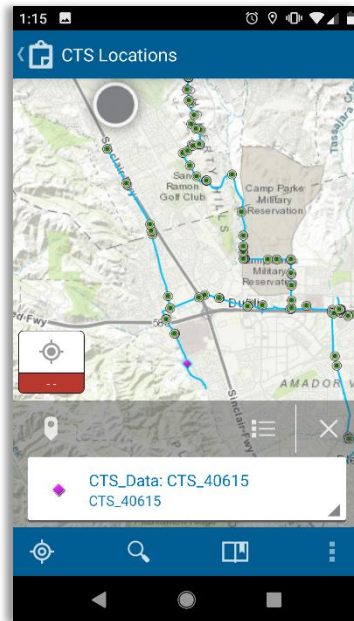
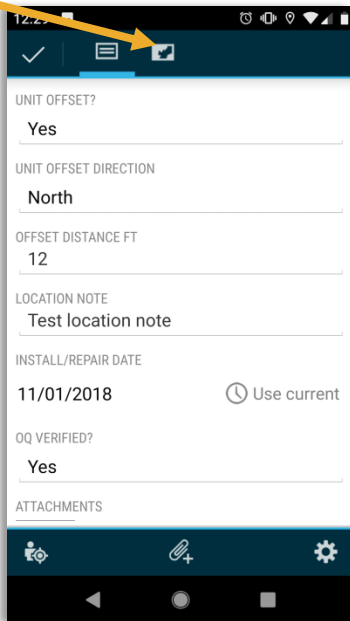
Editing Data

Map Layers

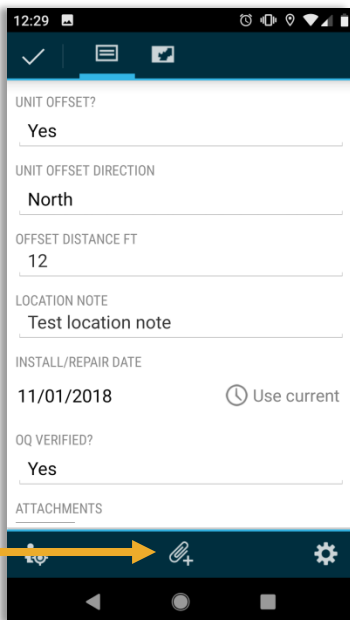
5. If a CTS location is incorrect and needs to be moved:

- Select map icon (this will highlight the CTS point)
- Hold finger down on the screen in order to move the CTS location to the correct area

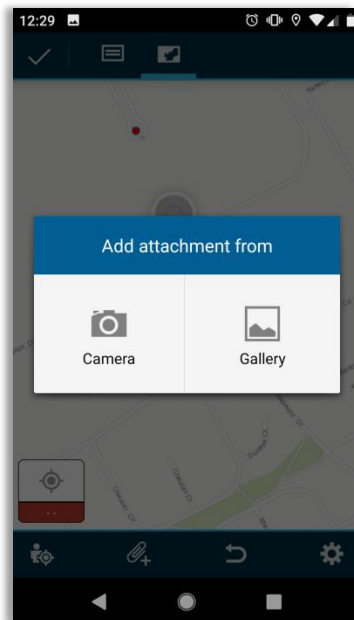
Map Icon



6. Select the camera button to take a photo



7. Select camera, take photo (do not choose from gallery), click on photo and rename, and select checkmark



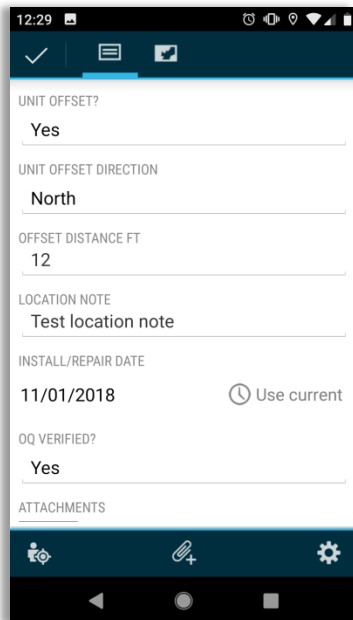
Editing Data

Map Layers

8. Types of photos to be included:

- **Pre-construction:** This will be a picture of the site before any disturbance has occurred
- **TOP prep:** this will be a picture of the site before any disturbance has occurred
- **Cad-weld or Pin Braze:** this label will depend on which applications were used and self-explanatory.
- **Handi cap or Hot wax:** this label will depend on which application was used and self-explanatory.
- **AC measurement**
- **DC measurement**
- **CTS Terminated:** this is a picture of the wires terminated in the post head
- **Restoration:** this is a picture of the area restored and completed
- **Pre-dig**
- **Project documents:** (Optional) any other documents that may be pertinent to the install JSA, Hot work, excavation report, Asbestos chain of custody, coating report if Hot wax was used, etc.

9. Once all edits are complete, select checkmark



12:29

✓

UNIT OFFSET?
Yes

UNIT OFFSET DIRECTION
North

OFFSET DISTANCE FT
12

LOCATION NOTE
Test location note

INSTALL/REPAIR DATE
11/01/2018 Use current

OQ VERIFIED?
Yes

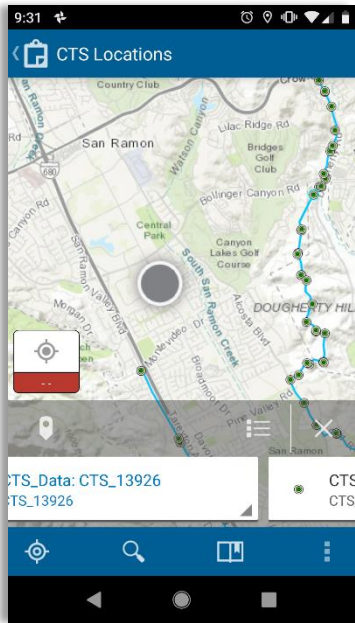
ATTACHMENTS

Inspectors Only - Collecting Data

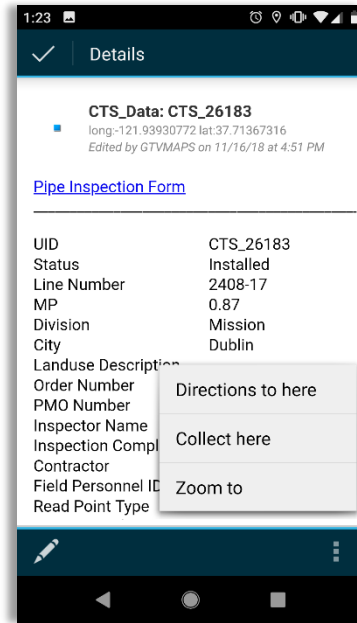
Survey123

Inspectors Only - Collecting Data Survey123

1. Within Collector, select Pin or List Icon and select specific CTS Location

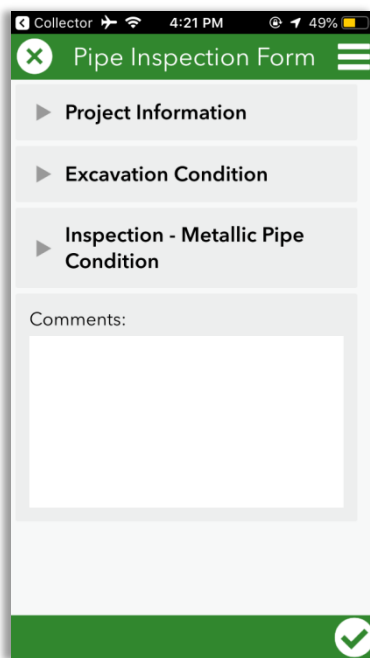


2. Select Pipe Inspection Form hyperlink from the Details page in Collector in order to open Survey123



2. Fill out all information. There shouldn't be any blank fields.

3. Select checkmark when complete.

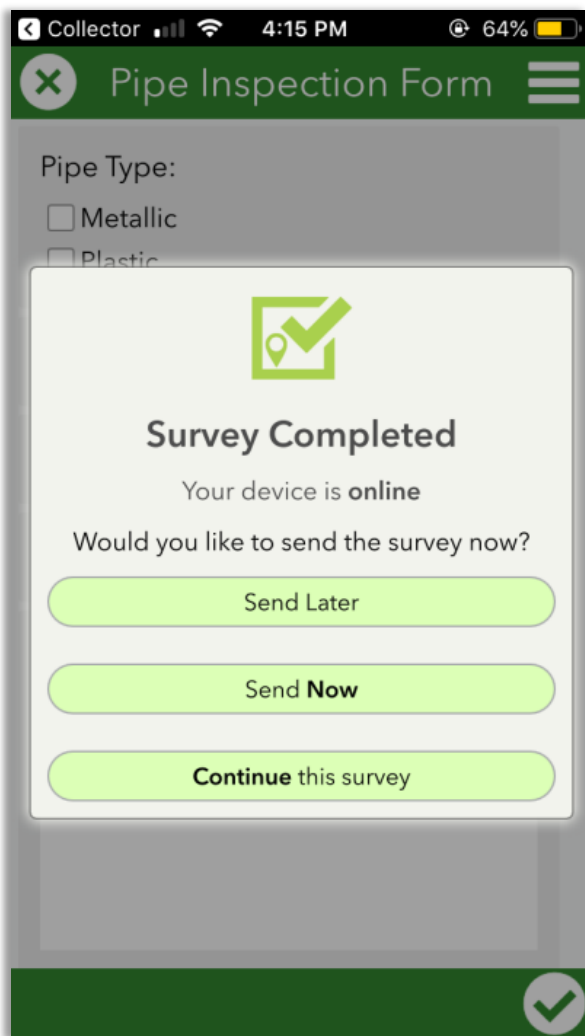


Checkmark

Inspectors Only - Sending Data (online)

Survey 123

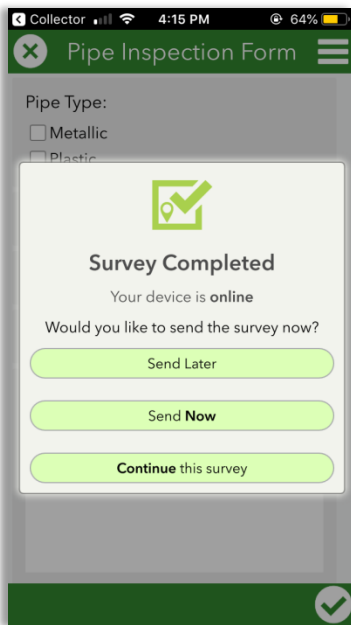
1. Select 'Send Now'



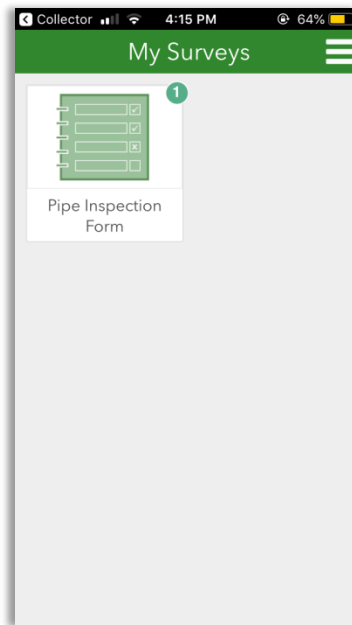
Inspectors Only - Sending Data (offline)

Survey 123

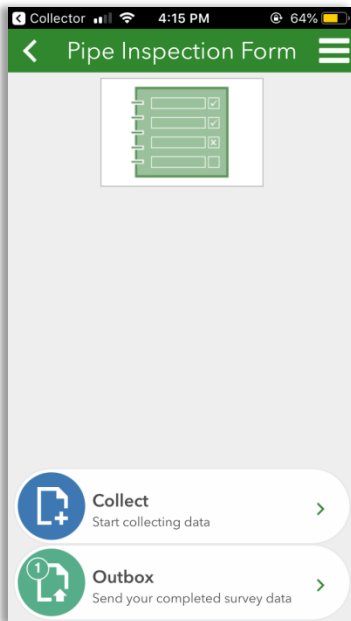
1. Select 'Send Later'



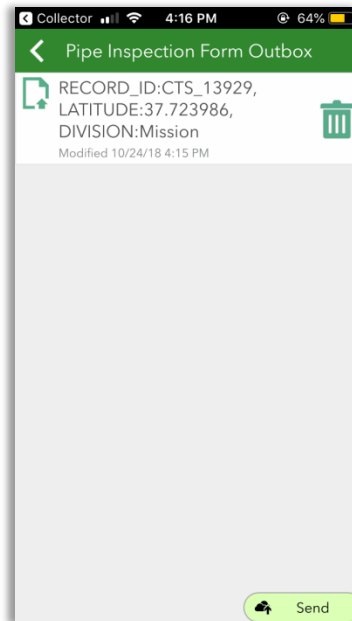
2. Once you're back in service, go to My Surveys and select Pipe Inspection Form. There should be a '1' in the corner.



3. Select Outbox



4. Select Send



General Workflow

1. Crews will use the web map titled “CTS Locations” to collect data. If the work site is in a location outside of cellular service, the map area must be downloaded to a device prior to being offline.
2. Within the “CTS Locations” web map, crew will navigate to appropriate CTS data point and begin collecting data
 - All editable fields should be collected
3. If RFI is needed, the crew sets status of point to “RFI Pending” and moves the location of the point to where the actual install will take place
4. Record the reason for the RFI in comment section
5. Construction Manager will assess the “RFI Pending” point and change the status to “Proposed” once it is approved on the Shovel Ready Report
6. Crew will collect the following photos and attach to the point data in collector
 - **Pre-construction:** This will be a picture of the site before any disturbance has occurred
 - **TOP prep:** this will be a picture of the site before any disturbance has occurred
 - **Cad-weld or Pin Braze:** this label will depend on which applications were used and self-explanatory.
 - **Handi cap or Hot wax:** this label will depend on which application was used and self-explanatory.
 - **AC measurement**
 - **DC measurement**
 - **CTS Terminated:** this is a picture of the wires terminated in the post head
 - **Restoration:** this is a picture of the area restored and completed
 - **Pre-dig**
 - **Project documents:** (Optional) any other documents that may be pertinent to the install JSA, Hot work, excavation report, Asbestos chain of custody, coating report if Hot wax was used, etc.
7. Inspector will use the web map titled “CTS Locations – Inspector” to collect data and access the pipe inspection form.
 - Within this map, the inspector will fill out the “Inspector Name” and “Inspection Complete” fields
8. Inspector will follow “Pipe Inspection Form” hyperlink to fill out/submit the Survey123 Form

Links and Resources

ArcGIS Collector
and Survey123

Links and Resources

Questions related to Collector (adding and editing features, layers, etc.) can be directed to the following email address:

S5LZ@pge.com

Questions related to logging in or resetting passwords can be directed to **TSC Support** at the following number: 415-973-3411.