

ArcGIS Collector and Survey123

Coupon Test Station
User Guide for iOS



Together, Building
a Better California

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Overviews and Tutorials

ArcGIS Collector and Survey123

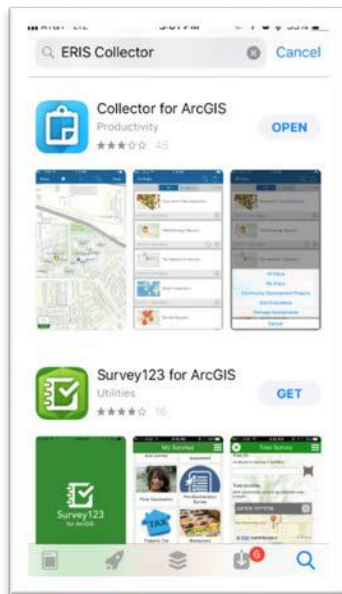
How to Open ArcGIS Online

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:

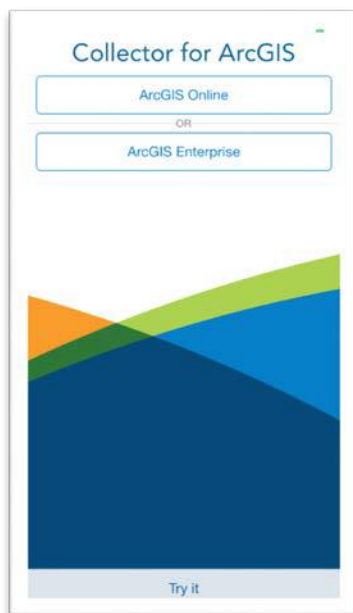
Android

- 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

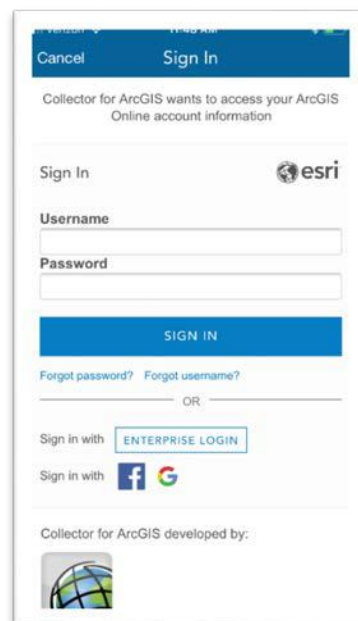
iOS

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

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



Select ArcGIS Online



Sign-in

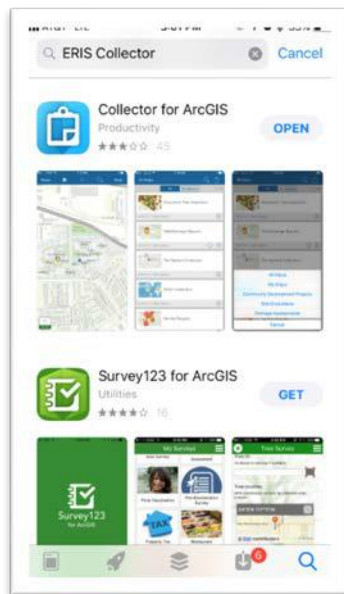
How to Open Survey123

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:

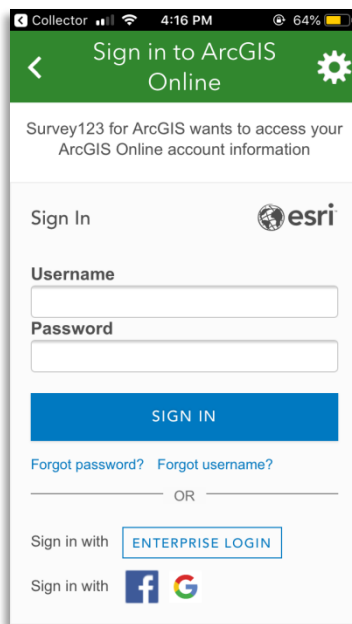
Android

- 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

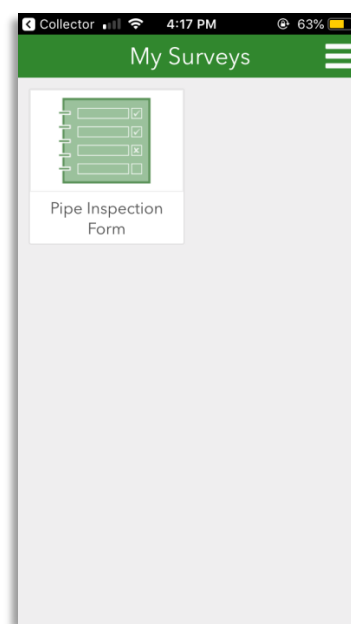
iOS

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

2. Start the Survey123 App and sign in



3. Select Pipe Inspection Form

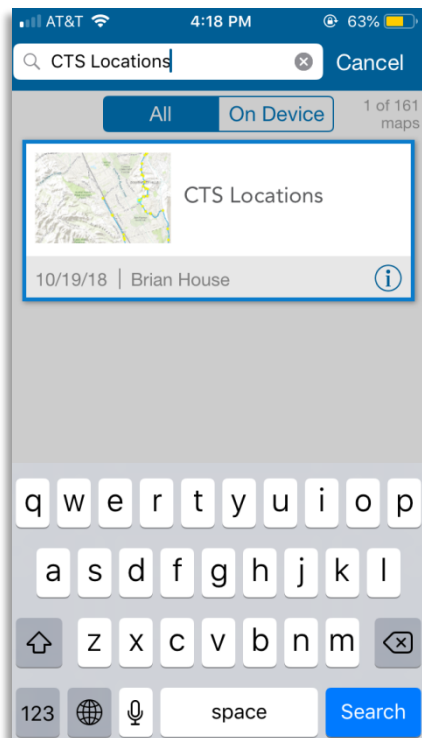


- Note: Surveys are device specific.

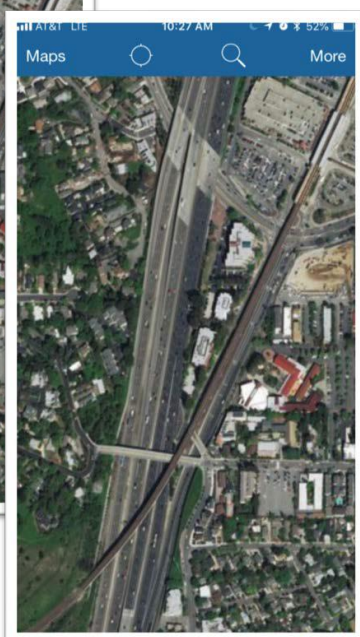
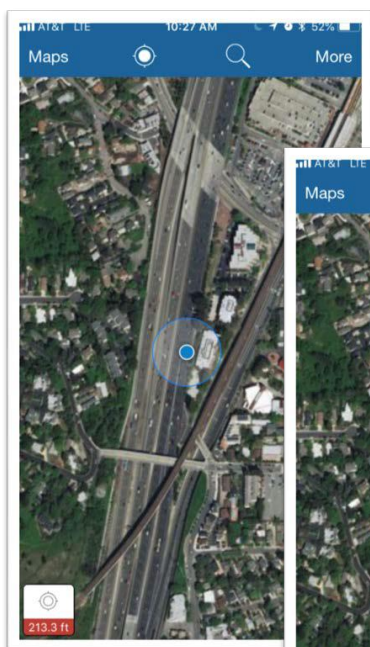
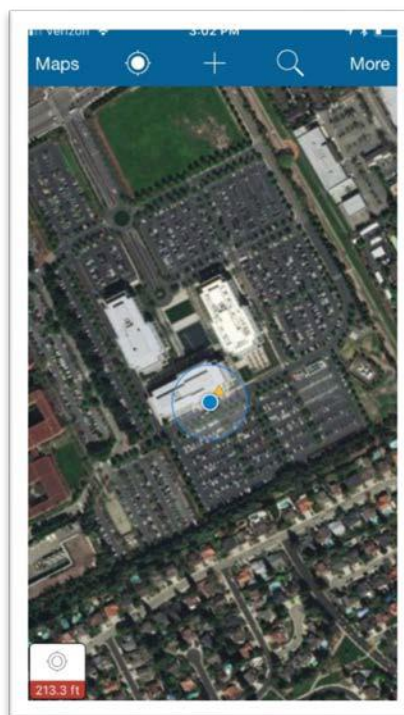
How to Open CTS Locations Map

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

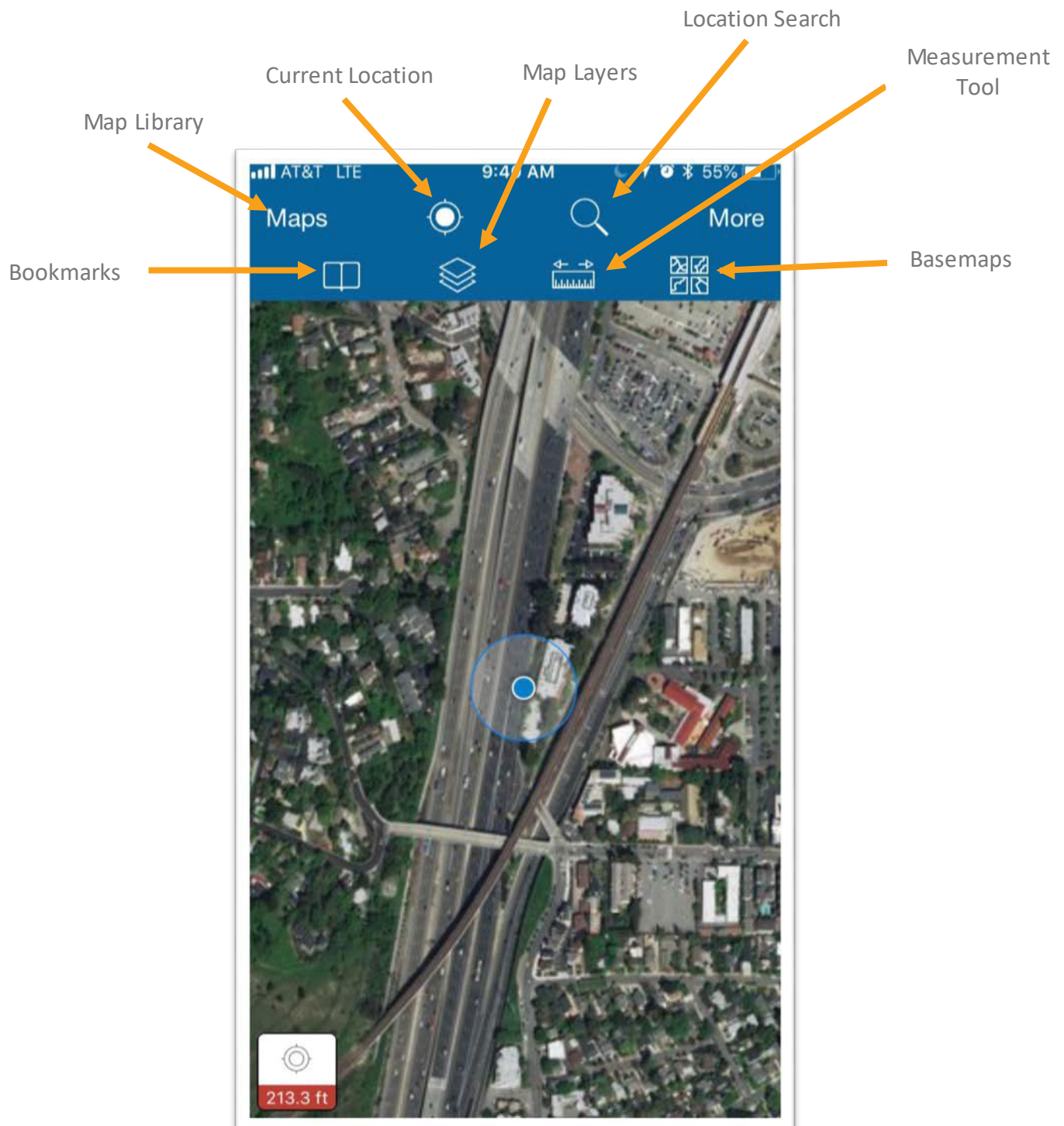
When the icon is not highlighted white, the GPS tracker is off.

Home Screen Menu

Overview










Summary

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



Home Screen Menu

Overview

	Map Library	Navigates users back to the Map Library
	Current Location	Center map on your current location
	Bookmarks	Access your bookmarks
	Map Layers	Access Map Layers List
	Location Search	Search for addresses and locations
	Measuring Tool	Access Measurement Toolkit
	Basemaps	Access to Basemap Library
	Add a feature	Create new point, polygon, or line
	Accuracy Integration	Horizontal and Vertical Accuracy

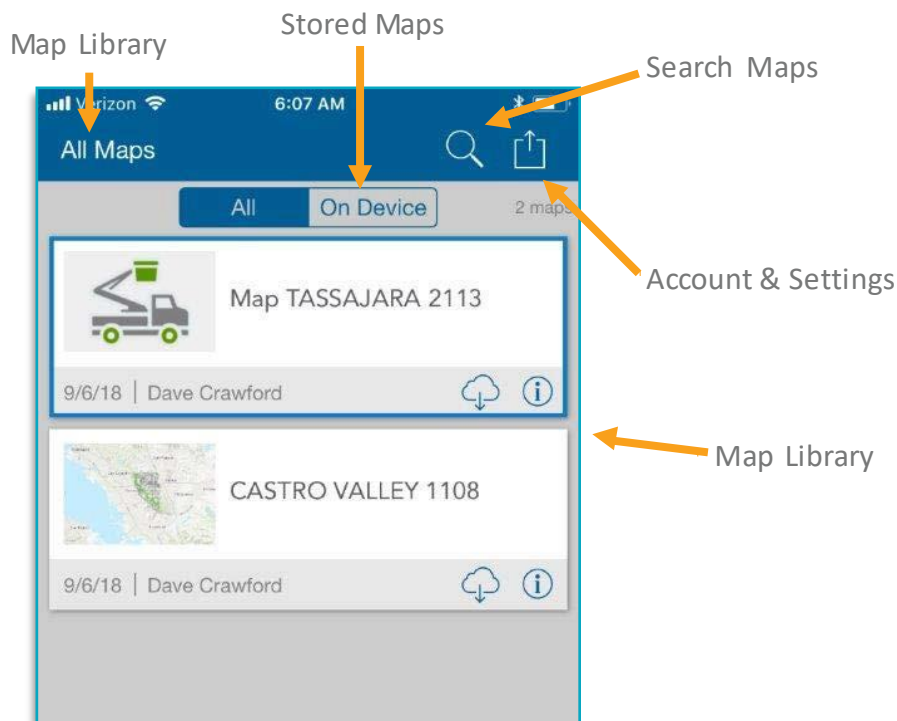
Map Library

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'

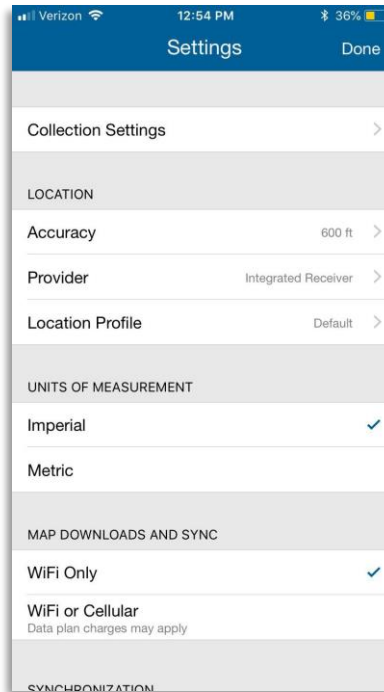
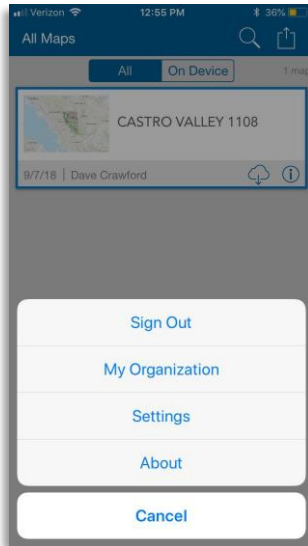


Map Details

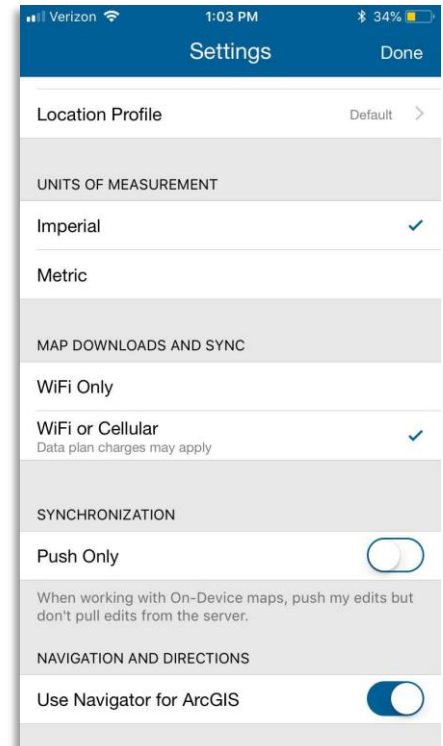
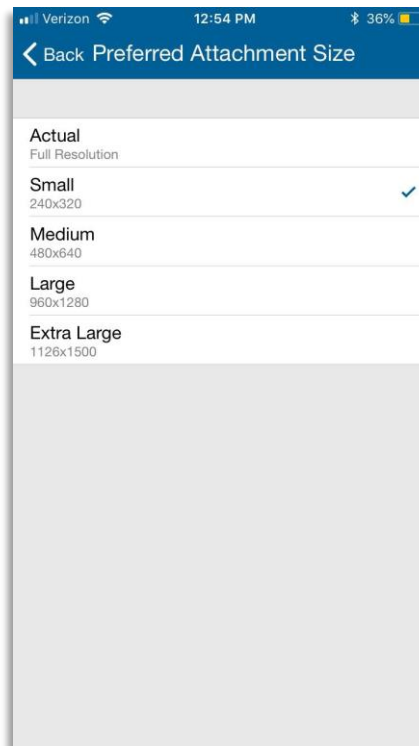
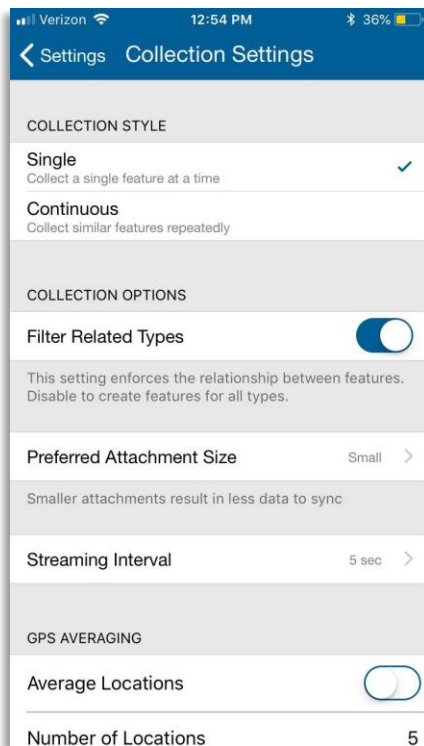
View map and survey details

Map Library

Overview



- Attachments should be saved as a small file type.
- 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 click on Collection Settings.



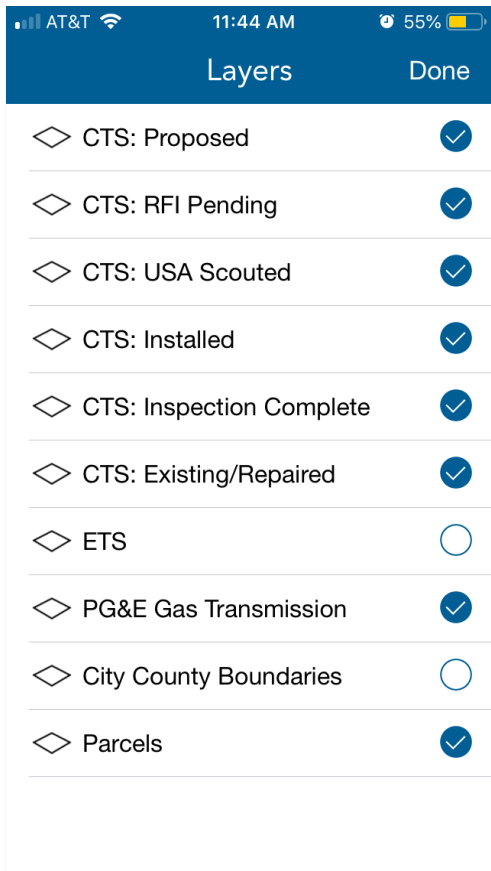
Open Preferred Attachment Size

Choose small attachment size.

Choose Wifi or Cellular for Syncing

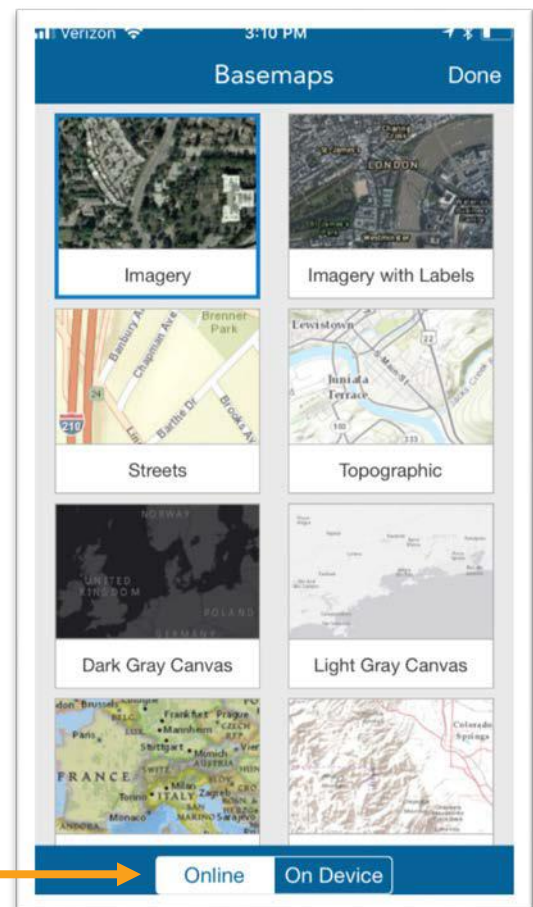
Map Layers and Basemaps

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.

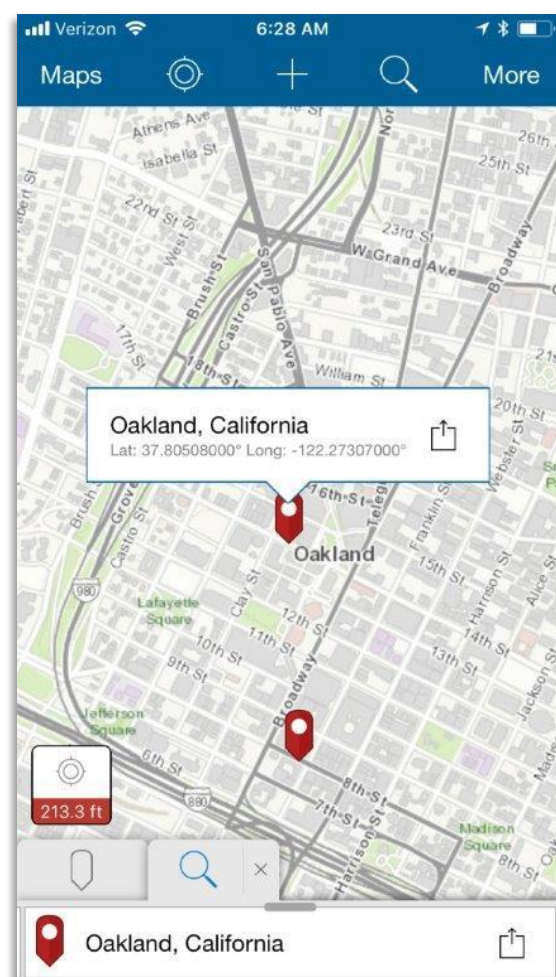
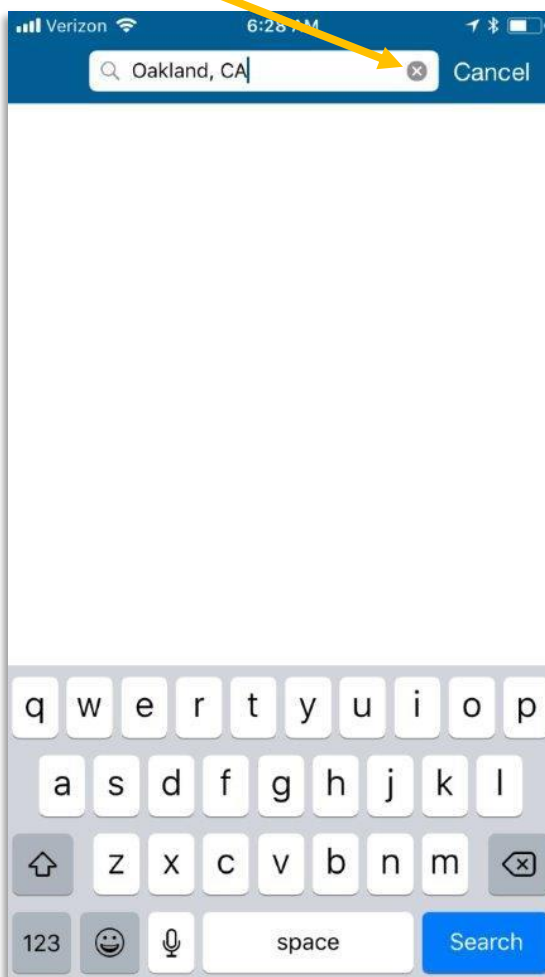


Location Search

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

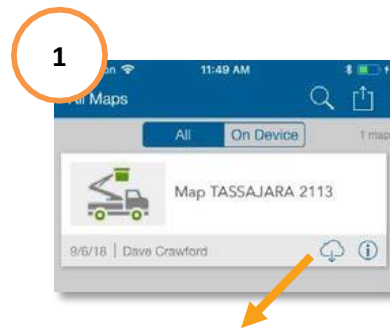
ArcGIS Collector

Upload/Sync Offline Maps

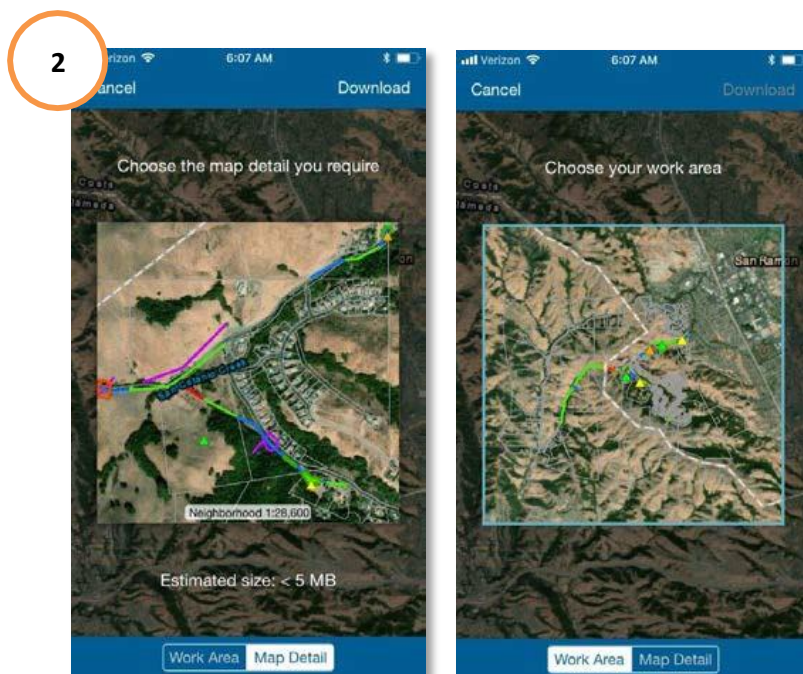
Summary

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 the up/down cloud icon with the red number (indicating the number of features that have not been uploaded to ArcGIS Online) and select the cloud to submit and sync these features to ArcGIS Online. This requires cellular data or WIFI connection.

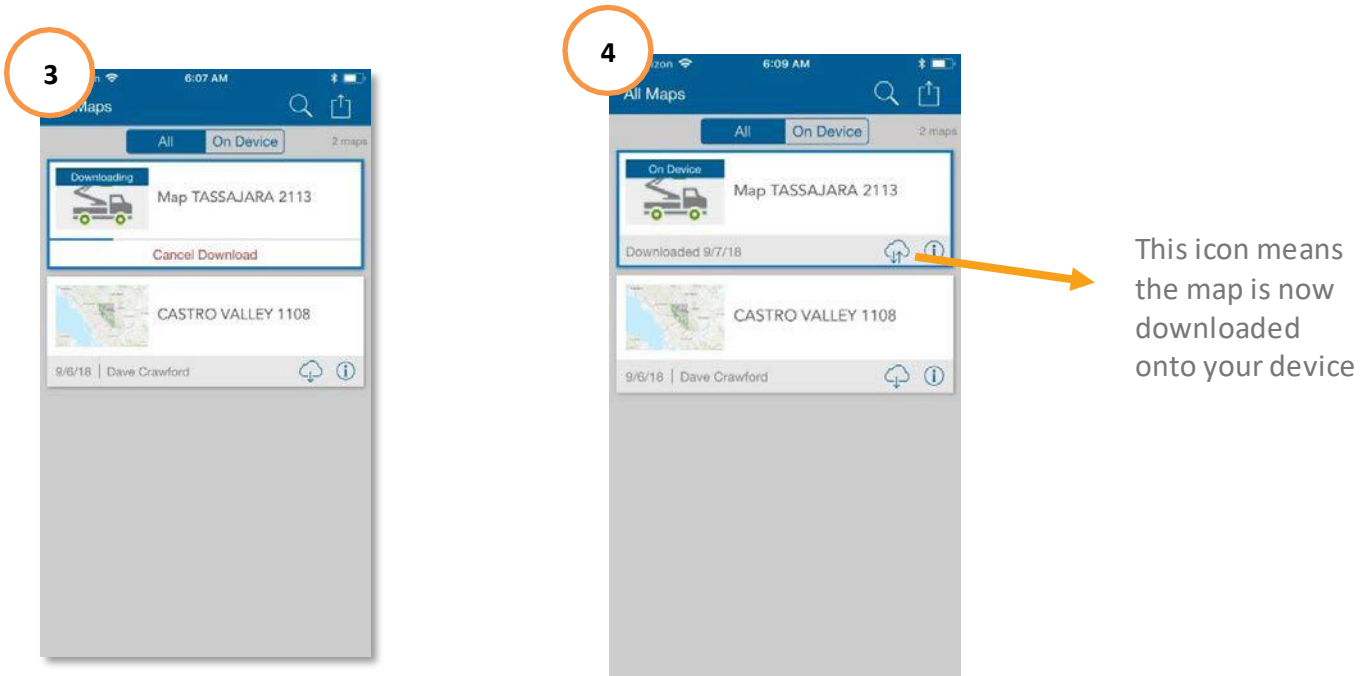
Downloading a map for offline use



Click on the  icon to download the map.

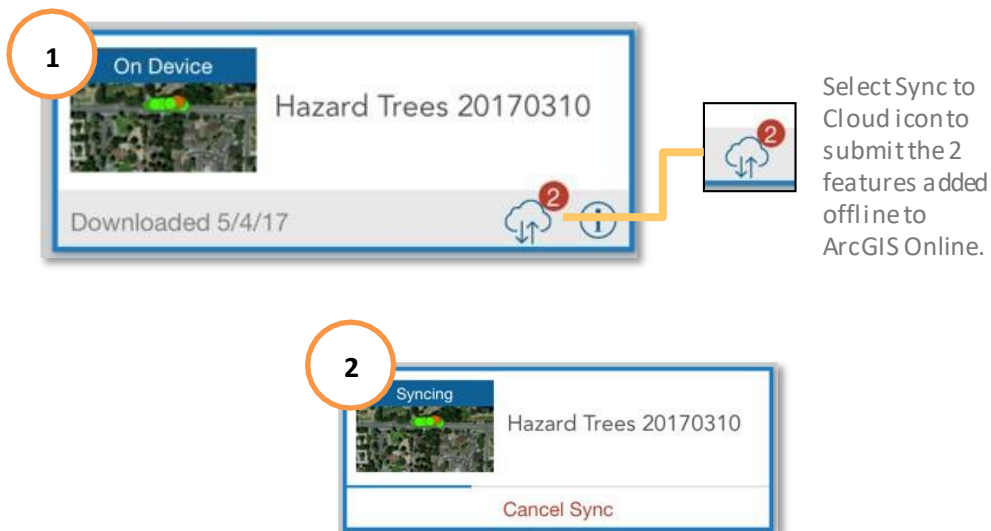


Upload/Sync Offline Maps



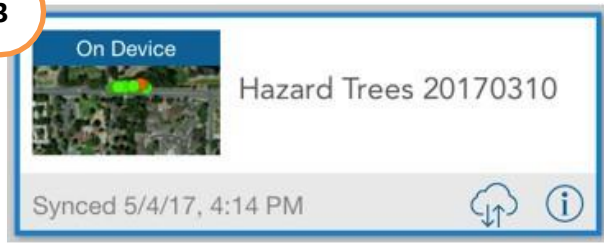
Syncing your offline activity

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.



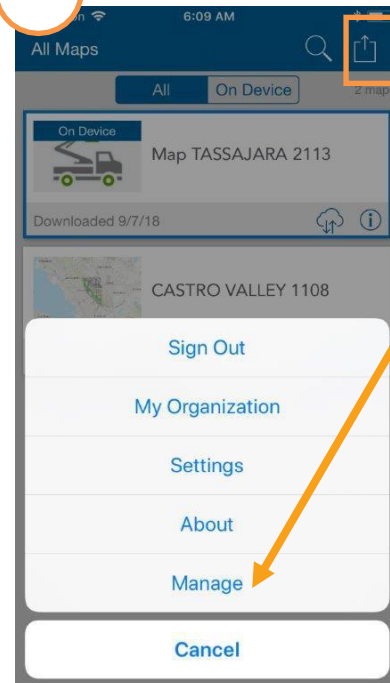
Upload/Sync Offline Maps

3



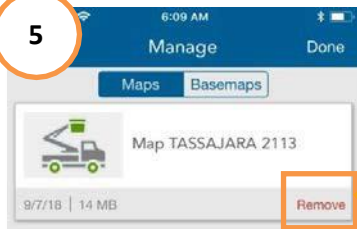
If you are working online, connected to ArcGIS Online with WiFi or cellular data, you do not need to sync because it is done every time you select submit.

4

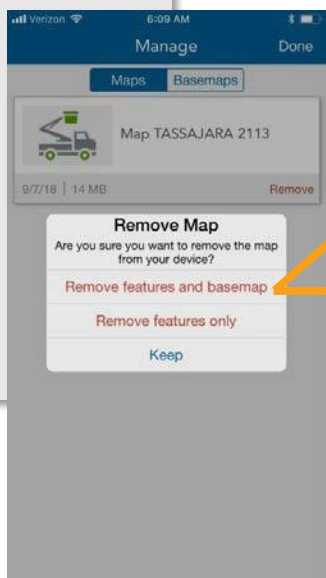


Click here and select "Manage" to delete the map off of your device once you have completed synced to ArcGIS

5



Select "Remove"



Select "Remove features and basemap" to delete the map from your device

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



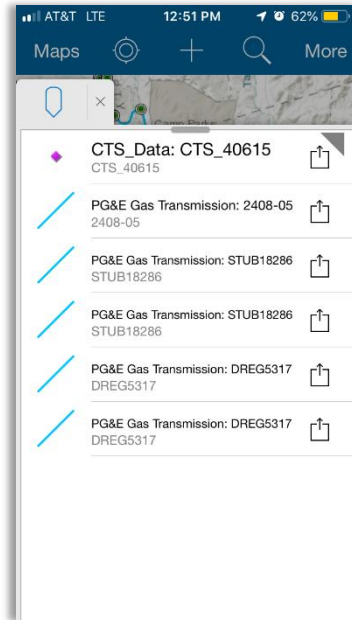
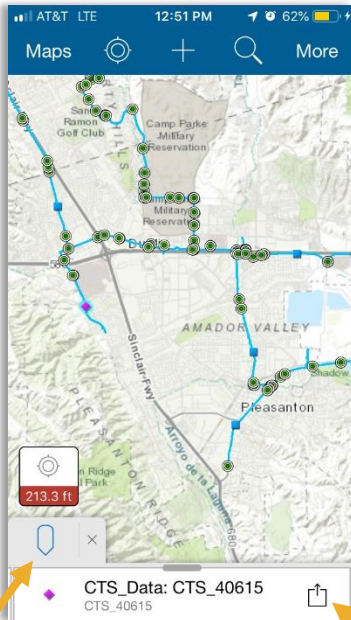
PG&E Gas Transmission



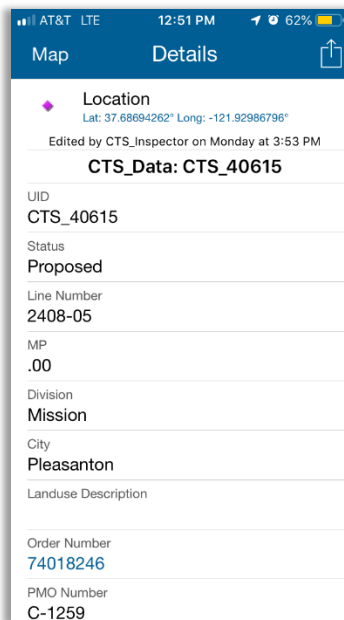
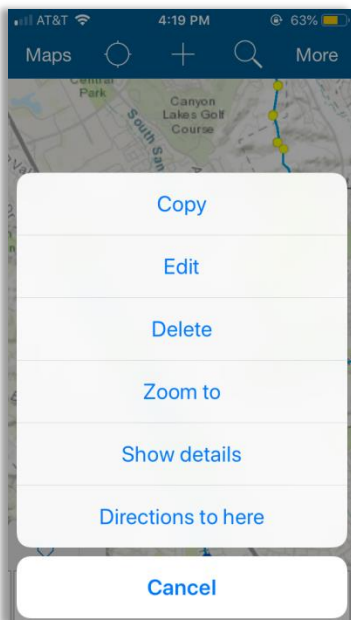
Editing Data

Map Layers

1. Search for specific CTS Location
2. Select the Pin icon to identify the specific CTS location That needs to be edited



3. Select the Results Action icon and select edit
4. Fill out all the pertinent data within collector before going into Survey123



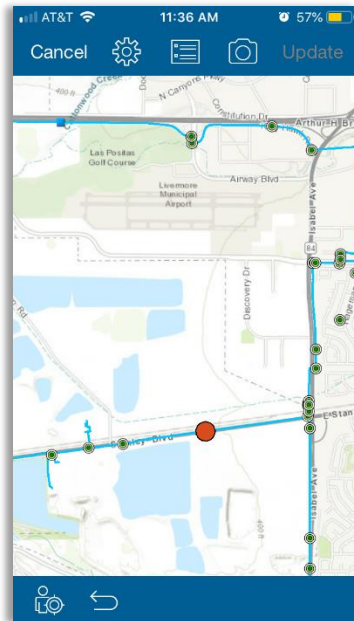
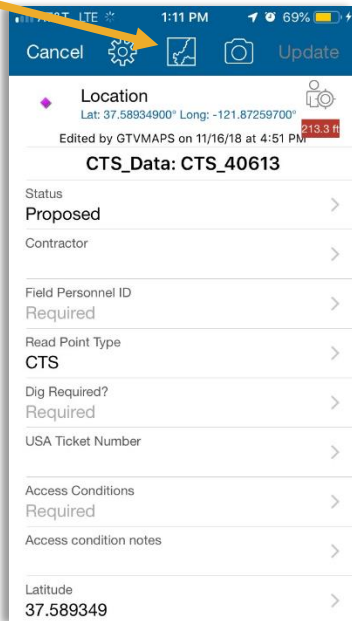
Editing Data

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

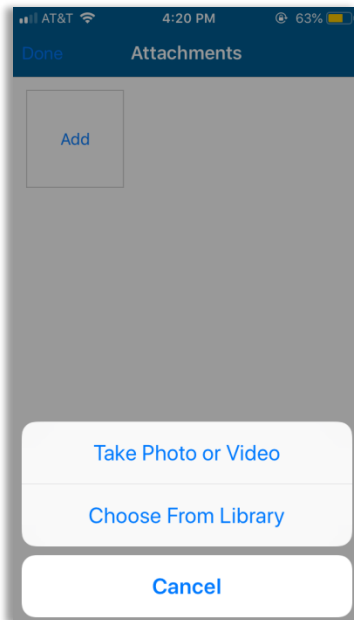
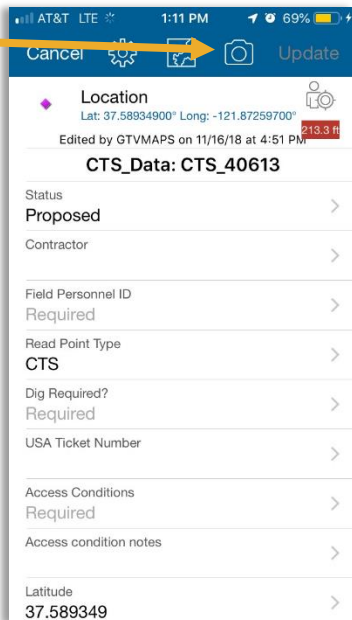
Map Icon



6. Select the camera button to take a photo

7. Select add, take photo (do not choose from library), click on photo and rename, and select done

Camera Button



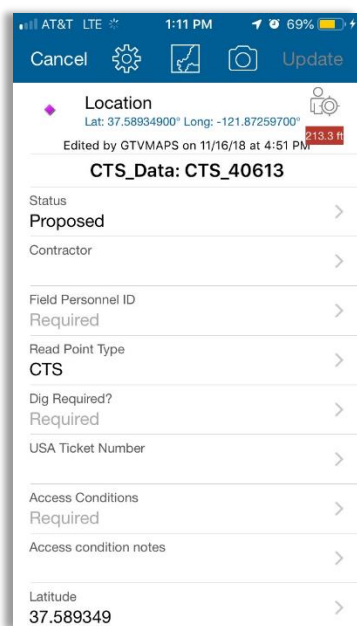
Editing Data

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 Update



AT&T LTE 1:11 PM 69%

Cancel Settings Map Camera Update

Location
Lat: 37.58934900° Long: -121.87259700°
Edited by GTVMAPS on 11/16/18 at 4:51 PM 243.3 ft

CTS_Data: CTS_40613

Status
Proposed

Contractor

Field Personnel ID
Required

Read Point Type
CTS

Dig Required?
Required

USA Ticket Number

Access Conditions
Required

Access condition notes

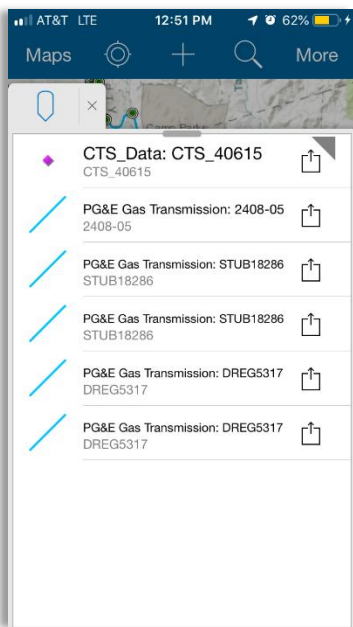
Latitude
37.589349

Inspectors Only - Collecting Data

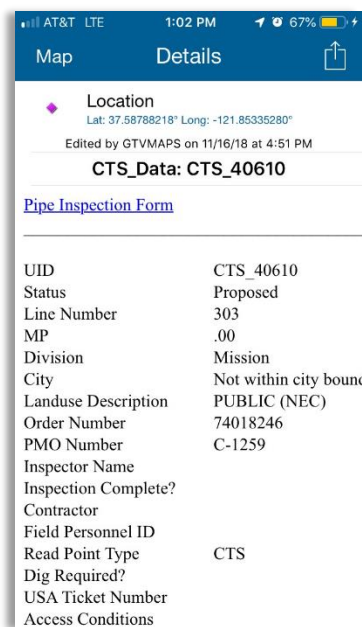
Survey123

Inspectors Only - Collecting Data Survey123

1. Within Collector, select Pin Icon and select Specific CTS Location to bring up the Details page.



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



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

4. Select checkmark when complete.

A screenshot of the 'Pipe Inspection Form' in the Collector app. The top navigation bar has a green background with a white 'X' icon, the text 'Pipe Inspection Form', and a hamburger menu icon. Below the navigation bar are three expandable sections: 'Project Information', 'Excavation Condition', and 'Inspection - Metallic Pipe Condition'. Below these sections is a 'Comments:' label followed by a large text input area. At the bottom of the form is a green bar with a white checkmark icon.

Checkmark

Inspectors Only - Sending Data (online)

Survey 123

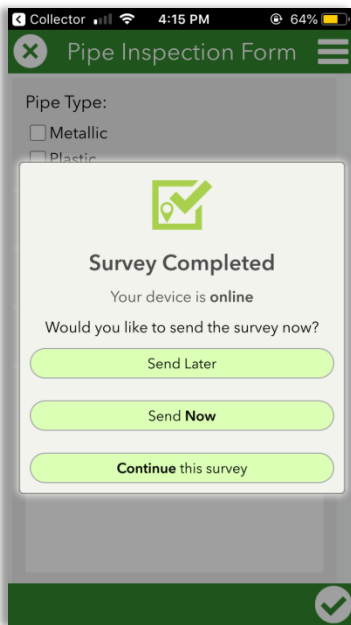
1. Select 'Send Now'

The screenshot shows a mobile application interface for a 'Pipe Inspection Form'. At the top, the status bar displays 'Collector', signal strength, Wi-Fi, time '4:15 PM', and battery level '64%'. The app header is green with a close button (X), the title 'Pipe Inspection Form', and a menu icon (three horizontal lines). Below the header, the form asks for 'Pipe Type:' with checkboxes for 'Metallic' and 'Plastic'. A white dialog box with a green border is centered on the screen. It features a green icon of a location pin with a checkmark. The text inside the dialog reads: 'Survey Completed', 'Your device is online', and 'Would you like to send the survey now?'. There are three green buttons with rounded corners: 'Send Later', 'Send Now', and 'Continue this survey'. A green bar at the bottom of the screen contains a white checkmark icon.

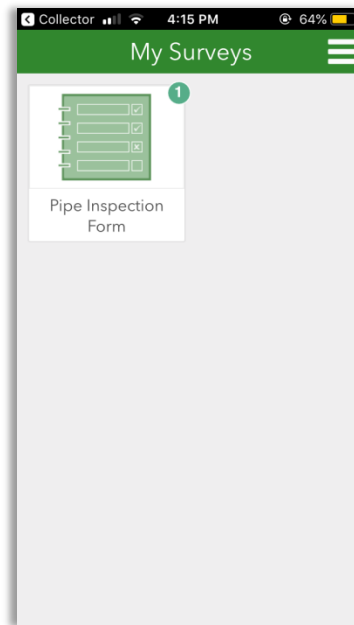
Inspectors Only- Sending Data (offline)

Survey 123

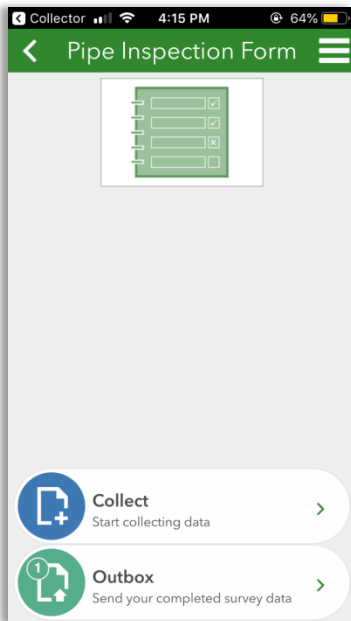
1. Select 'Send Later'



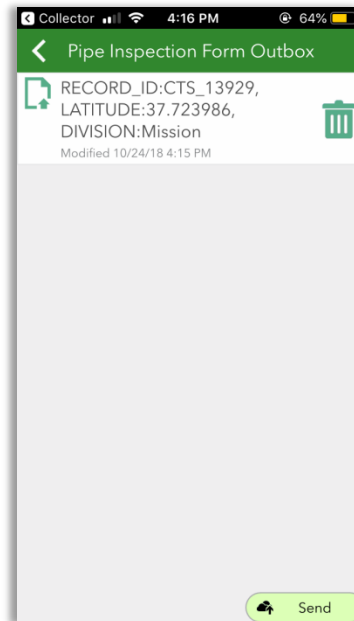
2. Once you're back in service, go to My Surveys and select Pipe Inspection Form. There should be a '1' in the corner.



3. Select Outbox



4. Select Send



General Workflow

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.