Smartapp.com™

No-Code Integrated Work Automation Platform

Presented to: DUKE ENERGY®

Smartapp.com™

TURN YOUR JOBSITE INTO A SMARTSITE™

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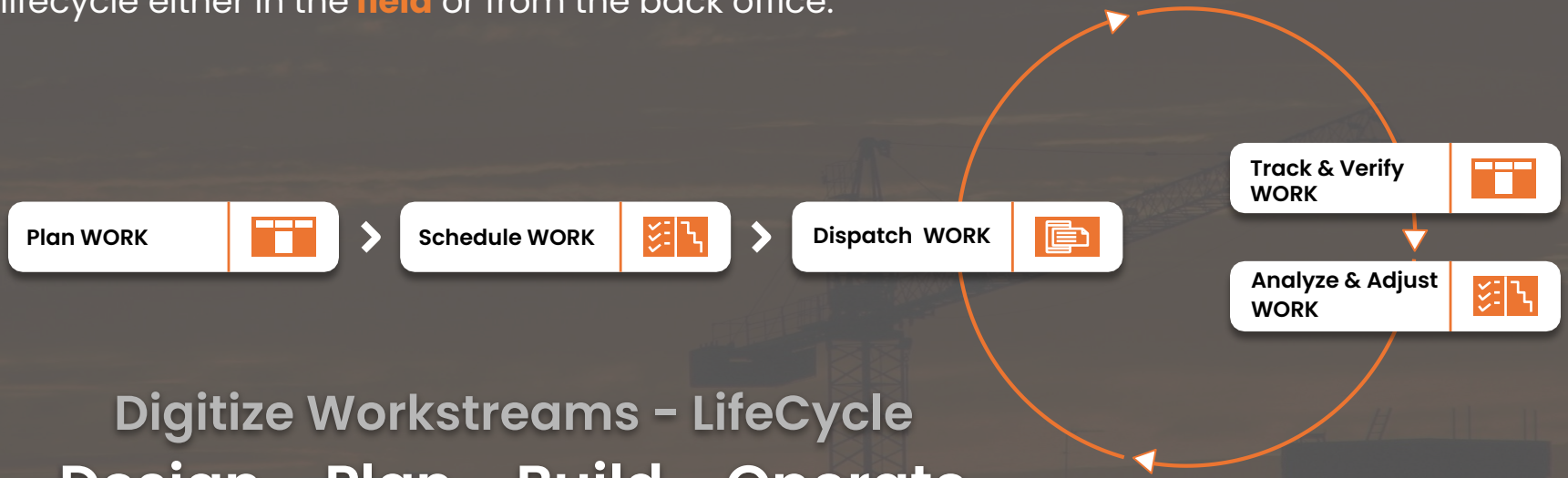
Smartapp.com™

The only cloud/mobile based solution on the market that delivers a **no-code integrated platform** for ***digitizing workstreams & data collection*** to better **plan, build, automate & track work** activities across the entire **infrastructure** project & asset lifecycle either in the **field** or from the back office.



Digitize Workstreams - LifeCycle

Design - Plan - Build - Operate

The big infrastructure creators build success with us

$200	40k	92k
Operations Billion	Automated Projects	Active Users

Smartapp.com™

Planning, field mobility, safety and automation ALL in one unified platform

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Smartapp.com™

Fully integrated modular Platform designed to deliver a complete **digitization** solution over the **Cloud** *(project or enterprise)* on any device, anytime, with **any connectivity.**

PLANNER™

- ✓ Digital Pull Plan Boards
- ✓ multi-party CPM Schedule
- ✓ Auto-Dispatch Work
- ✓ **Dispatch Calendar Mode**
- ✓ **Linear Project Management**

FIELD™

- ✓ Project Drive
- ✓ **Multiparty real-time Sketch**
- ✓ GeoCAD
- ✓ Custom Templates & Symbols
- ✓ **Map Mode**

SAFETY™

- ✓ **Site Worker Credentials Tracker**
- ✓ Daily Visitors Log
- ✓ BLE/ QR code badges
- ✓ **Certifications Tracker**
- ✓ STA & Permit tracking

PRO™

- ✓ App Marketplace
- ✓ **No-code Apps (forms & wf)**
- ✓ Visual Analytic Dashboards
- ✓ Interoperability API's
- ✓ **GIS, ERP, CAD Connectors**

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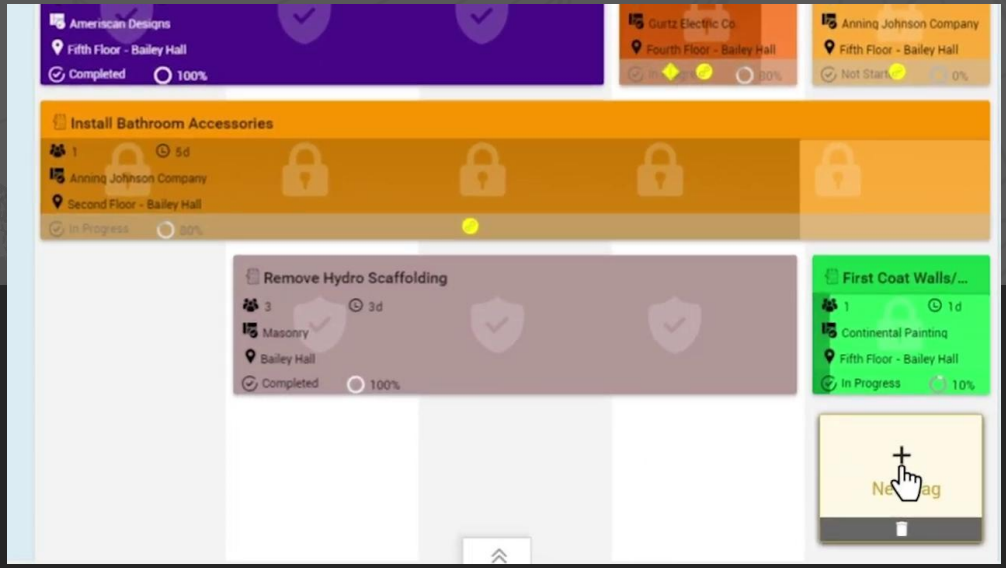
Smartapp PLANNER™

Plan

Multi-party real-time **digital plan boards** make it a breeze to organize and dispatch work. Whether you're on mobile or desktop, in the trailer or in the office, your project progress is always up-to-date.

Accessible anytime, anywhere and from any device - from desktops, tablets or from our integrated **JobSite SmartBoard** !



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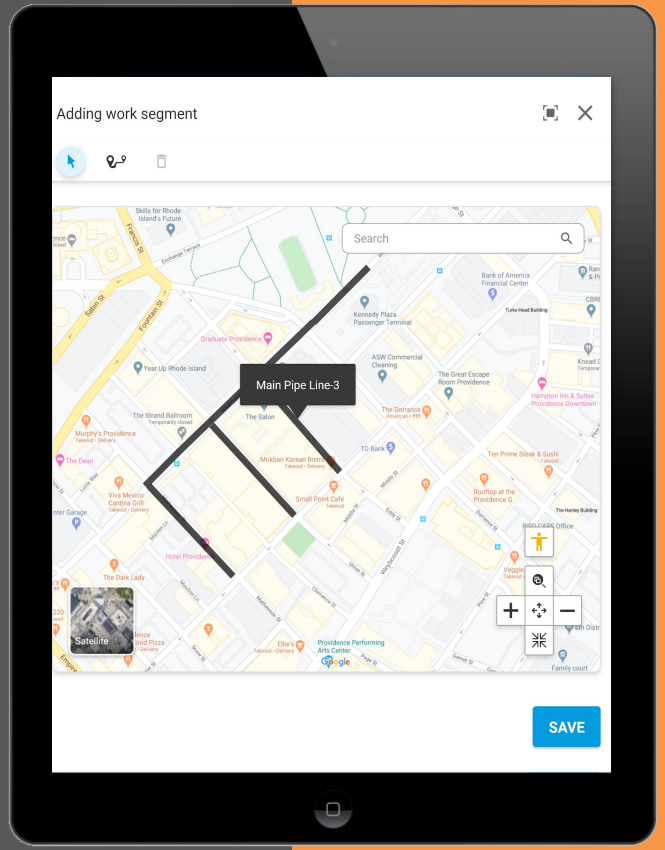
Feature Spotlight: Linear Planning

- Define Projects as **Linear Segments** (mains, services, power lines, roads, etc.)
- Assign **Work Tags & Tasks** to linear segments via Digital Plan Board, CPM Schedule, or **Dispatch Mode**
- **Visualize** Linear Work Tags & Tasks in interactive Tag Boards, Dashboards, or in Map Mode for **comprehensive real-time status tracking.**



Smartapp **PLANNER™**

Schedule

Go from Plan boards to **CPM schedules** in just one click.

Collaborate in a true multi-party real-time framework where schedule update go straight to the field, and field updates go straight to the schedule - "*keeping your plan boards & schedule in-sync.*"

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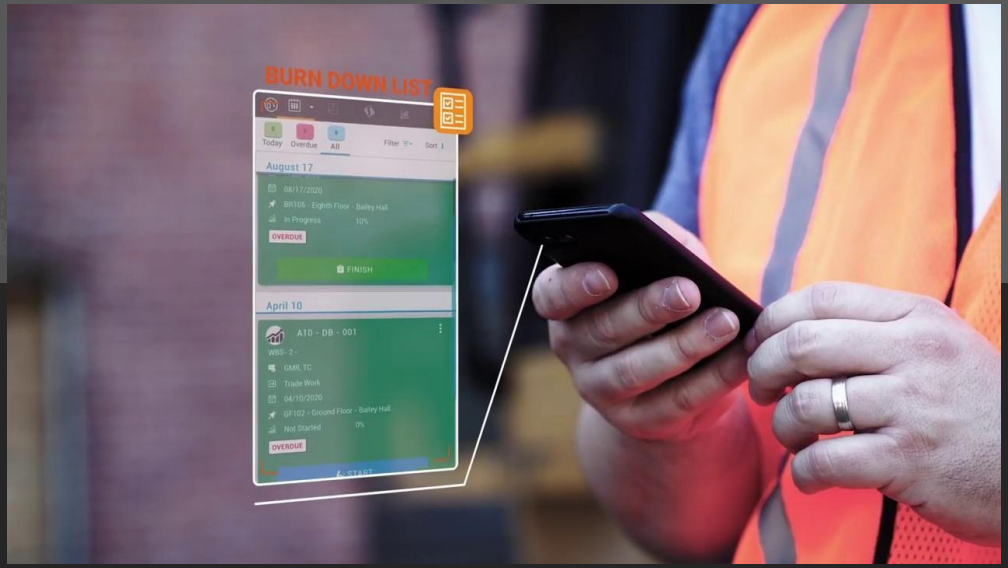
Smartapp **PLANNER™**

Dispatch



Dispatch work from your plan boards, CPM schedules, or Dispatch Mode with one click. Dispatched work tags go directly to every **field workers mobile device**.

With one click they can send progress and completion updates from the field to their team in real-time.

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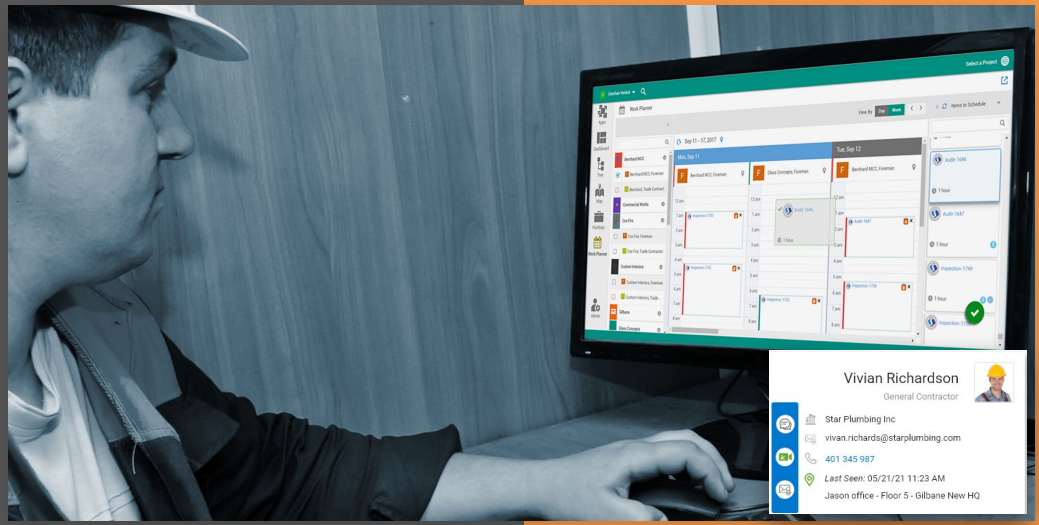
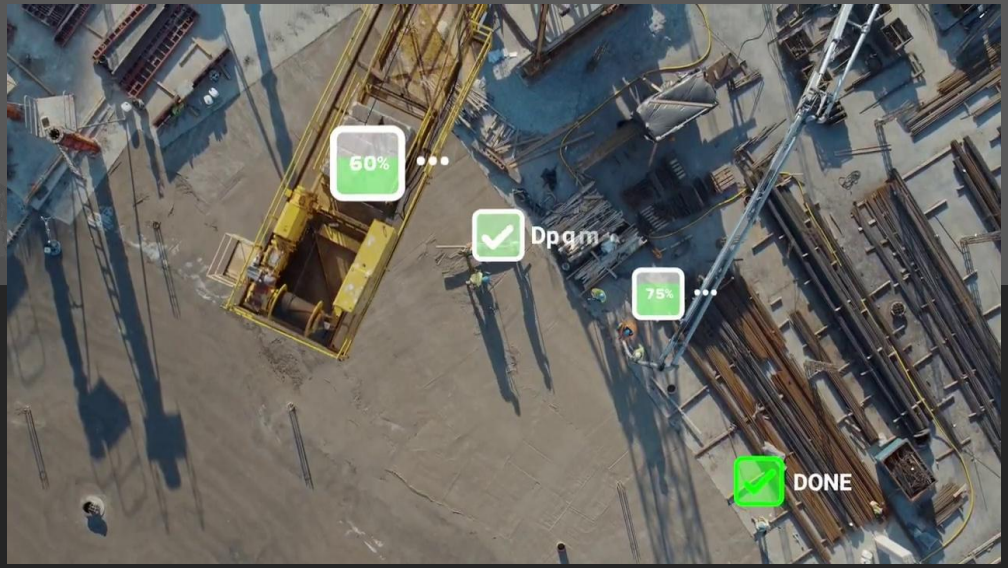
Feature Spotlight: Proximity-aware Dispatch Mode

- Field Crew & User GPS real time location / workload aware **Dispatch Mode**
- **Auto Dispatch Rules Engine** to suggest or assign work based on location, availability, skills, certifications etc..
- Real-time **Mobile work complete status updates** back to Dispatch Mode
- Built-in **WSDI API** for easy integration w/ WMS, ERP or Scheduling tools



Smartapp PLANNER™

Track



Real-time updates from the field **automatically update plan boards, dispatch mode & schedules**.

The team can easily add daily journals, impacts, and manpower information that populate company-level **auto-generated daily reports** and analytic visual dashboards.

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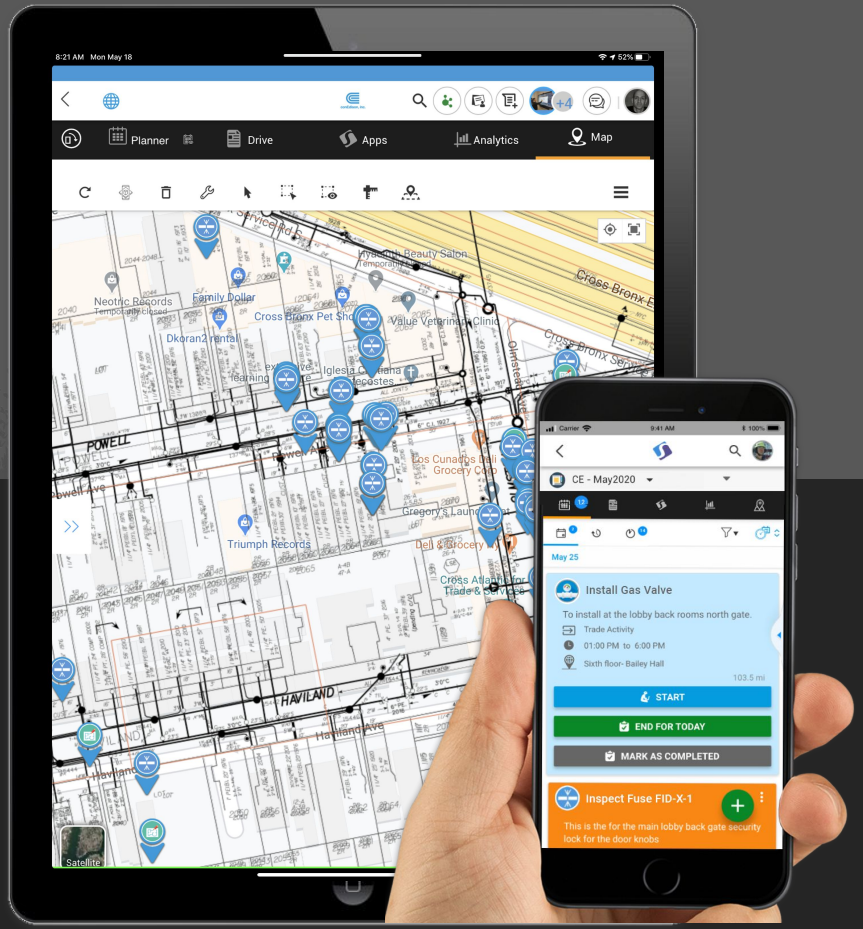
Smartapp **FIELD™**

Map Mode™

From the field mobile devices or from back-office computers **Map Mode** gives you a real-time view of all your crews, workers, assets, and work orders GPS positions.

Built-in Google Map street & satellite basemap also support 3rd party GIS overlays. (ESRI,Smallworld, KML,SHP) and **Augmented Reality** mode.



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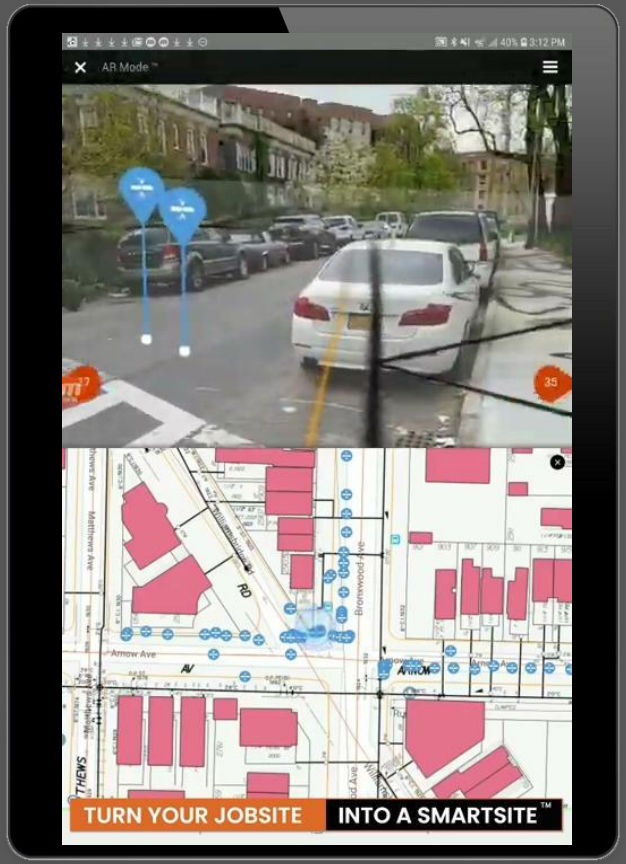
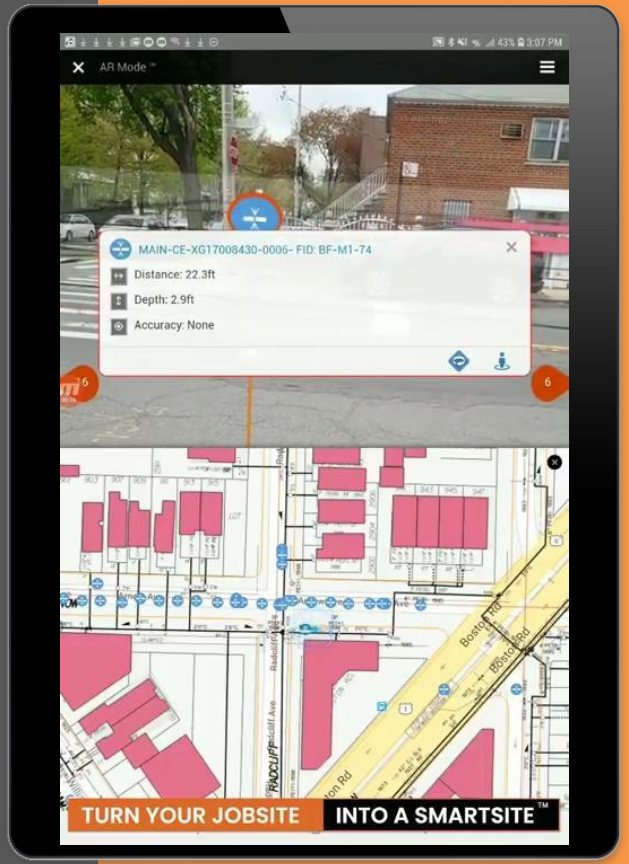
Feature Spotlight: Augmented Reality (Locator)

- Mobile Device **AR Mode**
- True Overlay of **GPS assets**
  - (buried & above ground)
  - X,Y & Z (depth)
- **Dual Screen** Real-Time Viewer
  - AR View
  - Mini-Map
- Supports Overlay **3rd party GIS layers** (ie. ESRI,Smallworld) into AR Overlay View



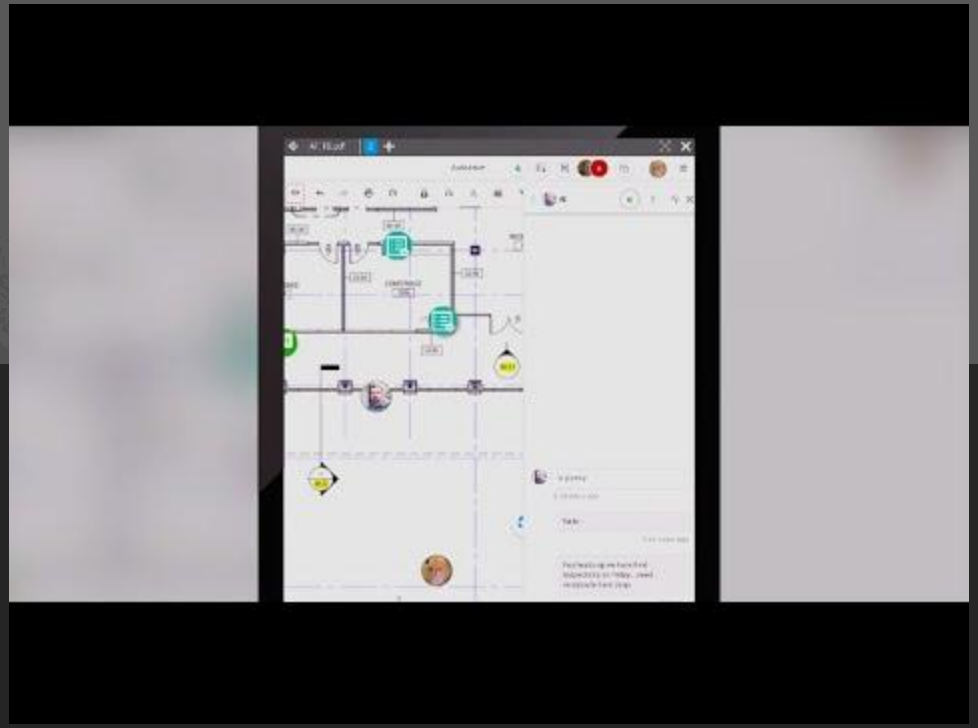


Smartapp **FIELD™**

Multi-party Sketch™

Create, View & Markup **sketches, drawings, photos, BIM,** and more in a multi-tab, multi-party, presence-aware, real-time **Smartapp Sketch™** .

Define custom **templates, symbol, & smart pin** objects to match company standards, for a unmatched Mobile sketch/CAD experience.



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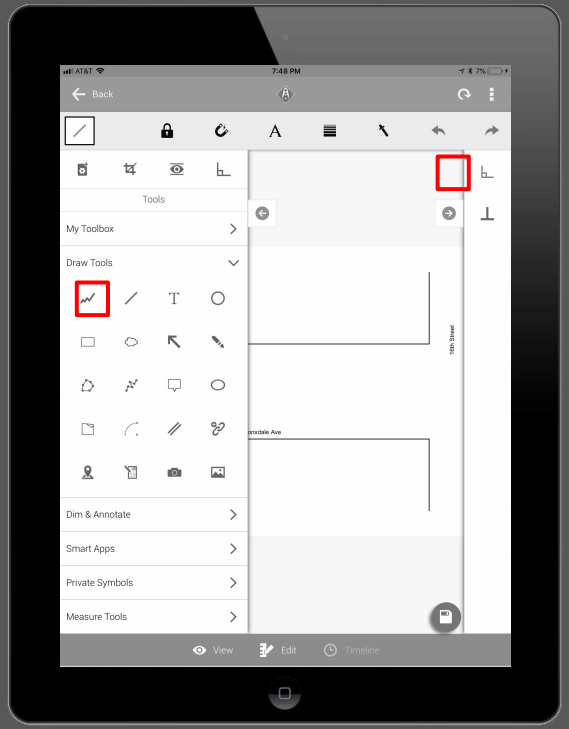
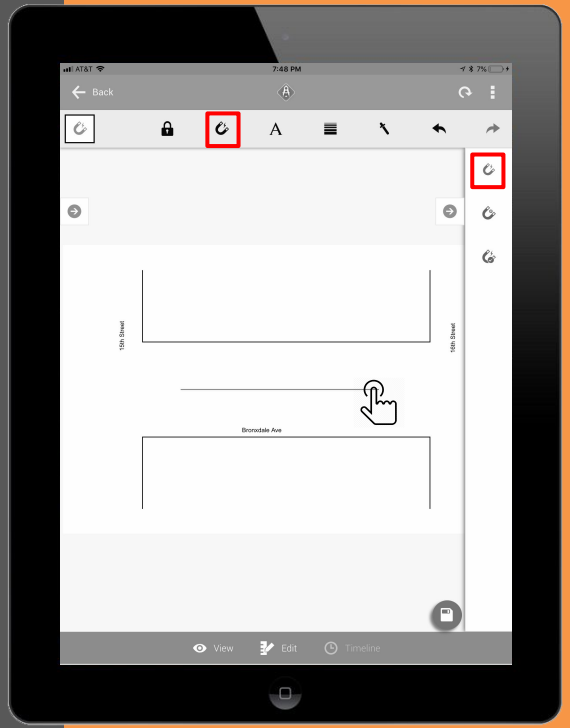
Feature Spotlight: Mobile SmartDraw mode

- **SmartDraw Tools** (lines, rectangles, arrows, polylines, clouds, arcs, circles, notes, photos, 360 images, etc.)
- **1 click - Ortho & Perpendicular** modes to easily draw straight lines
- Mobile optimized **"Magnetize & Lock"** tools to easily snap your next object to end, mid, & center points





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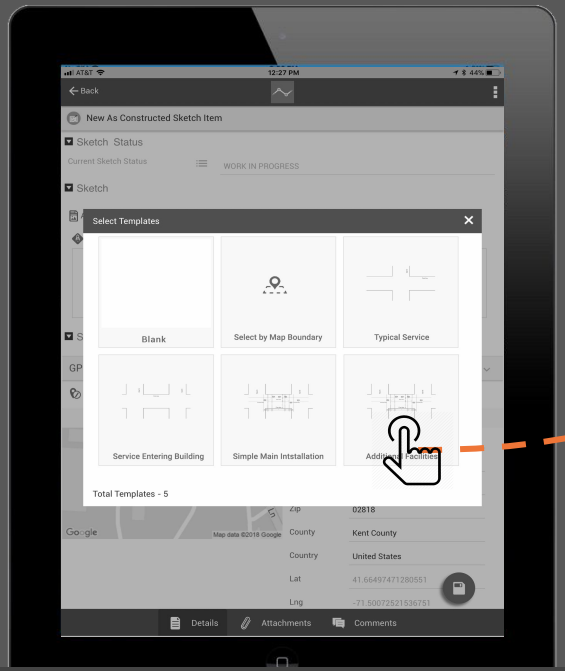
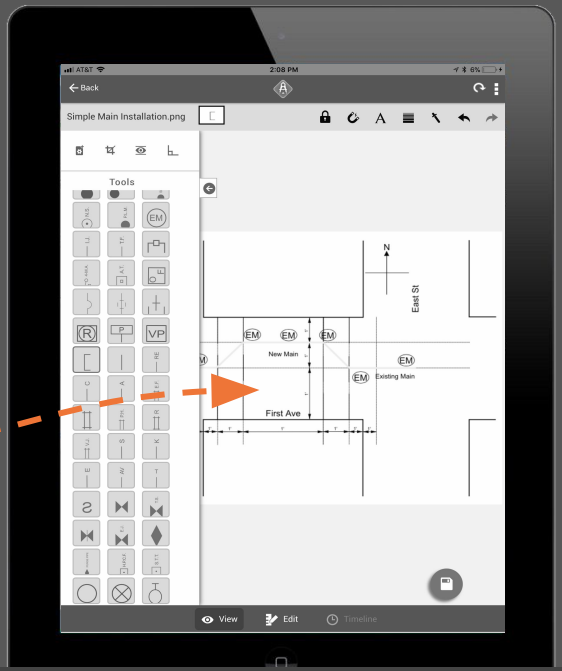
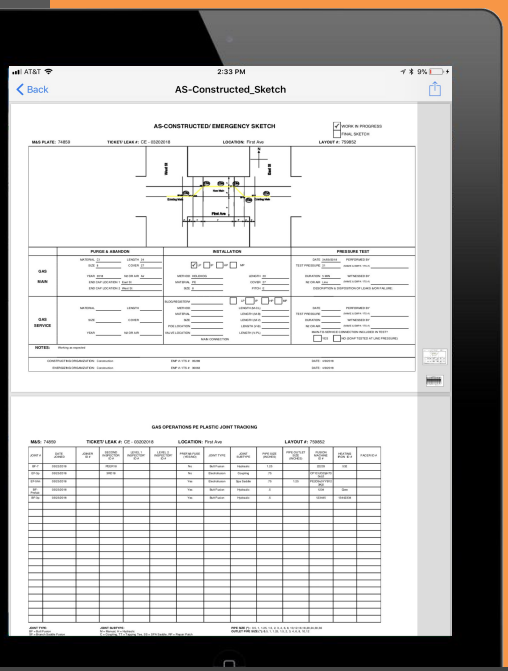
Feature Spotlight: Custom Templates

Easily defined custom **Sketch Templates** (ex: One way, Two way Street intersections, etc.) to standardize sketch backgrounds and make drawing faster.

All templates work **Online or Offline / Mobile or Desktop.**







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Feature Spotlight: GeoCad™ & Map Templates

Clip & Sketch from Map mode or from Sketch **Map Templates** (color, B&W, Satellite), and leverage the power of our **GeoCAD™** to automatically **draw, dimension, drop symbols or SmartPinObjects™** via users current **GPS** locations.

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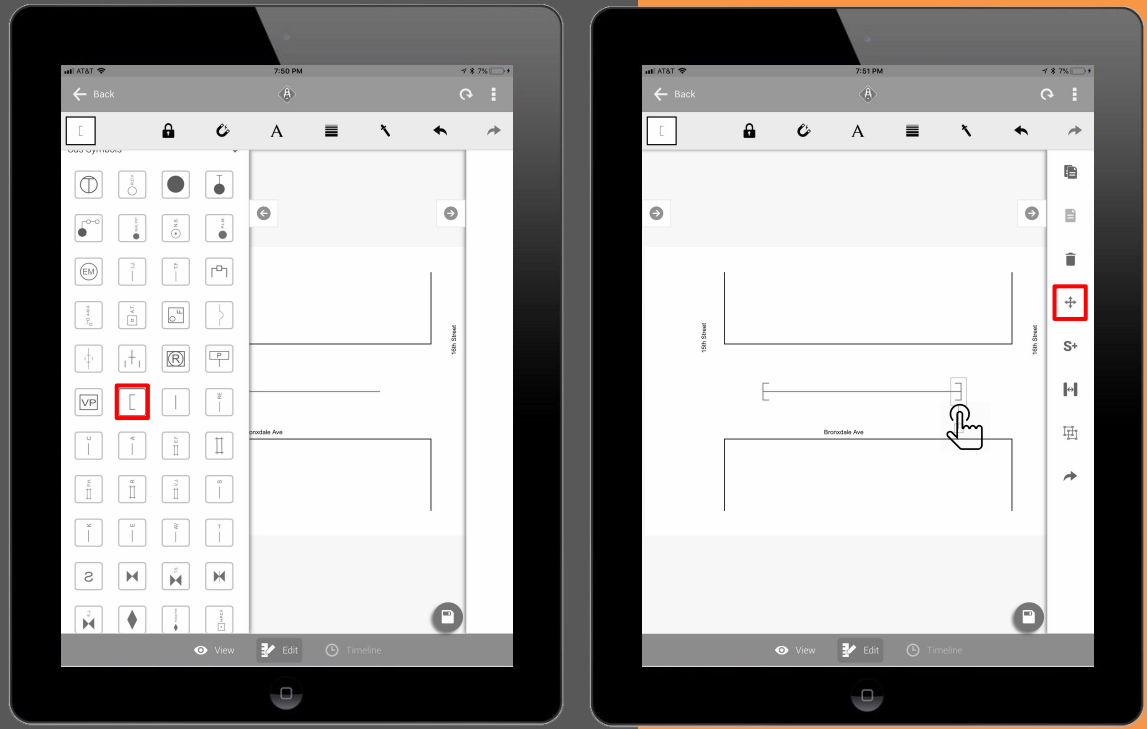
Feature Spotlight: Symbols & Palettes

- Administrators can import or create custom **Palettes & Symbols** for all users (ie; Gas, Electric etc.) to help standardize field documentation.
- **Define Symbol snap & magnet** points to make connecting & aligning symbols to objects easy.
- Symbols **Auto-Select** on drop so they can be easily **moved, rotated & resized**.



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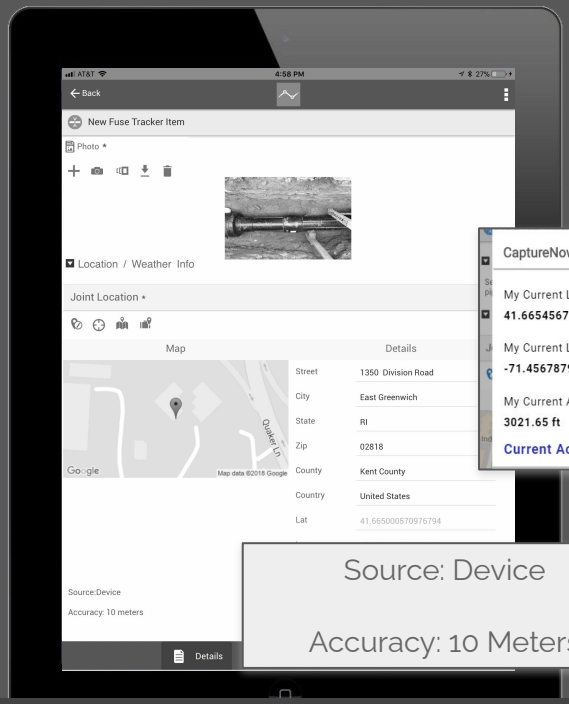
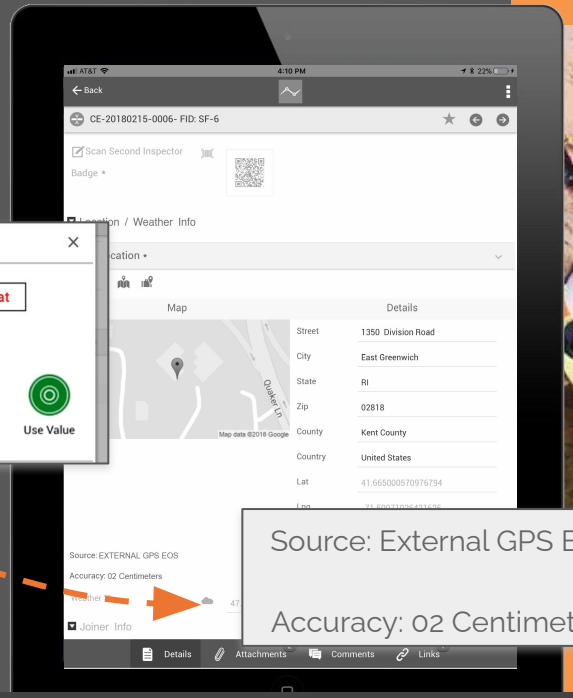
Feature Spotlight: CaptureNow™

Built-in one-of-a-kind GPS **CaptureNow™** feature allows you to always & easily capture the **BEST** possible GPS (X,Y & Z) for SmartObjects™ and achieve **centimeter accuracy** with 3rd party GPS receivers like EOS & Trimble.



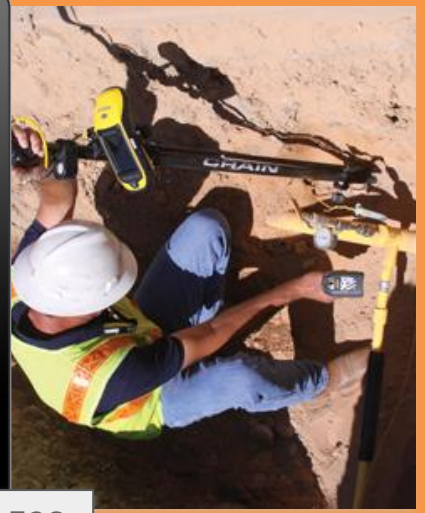
Source: Device

Accuracy: 10 Meters



Source: External GPS EOS

Accuracy: 02 Centimeters



centimeter accurate GPS data

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Feature Spotlight: LocateNow™

Built-in one-of-a-kind GPS **LocateNow™** gaming-like feature allows users **Click & Locate** any GPSed asset (SmartObject™) in the field from within Sketch Mode or Smart Object Form.

centimeter accurate GPS data

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Feature Spotlight: Custom GIS Map Layers

Custom GIS layers (such as ESRI, Smallworld) or **image based Map Template** overlays (such as M & S plates) allowing users the ability to **GeoCad™** over those custom sketch background canvases or view them in **Map Mode..**

Ex. Custom M&S Plate Sketch Map Templates

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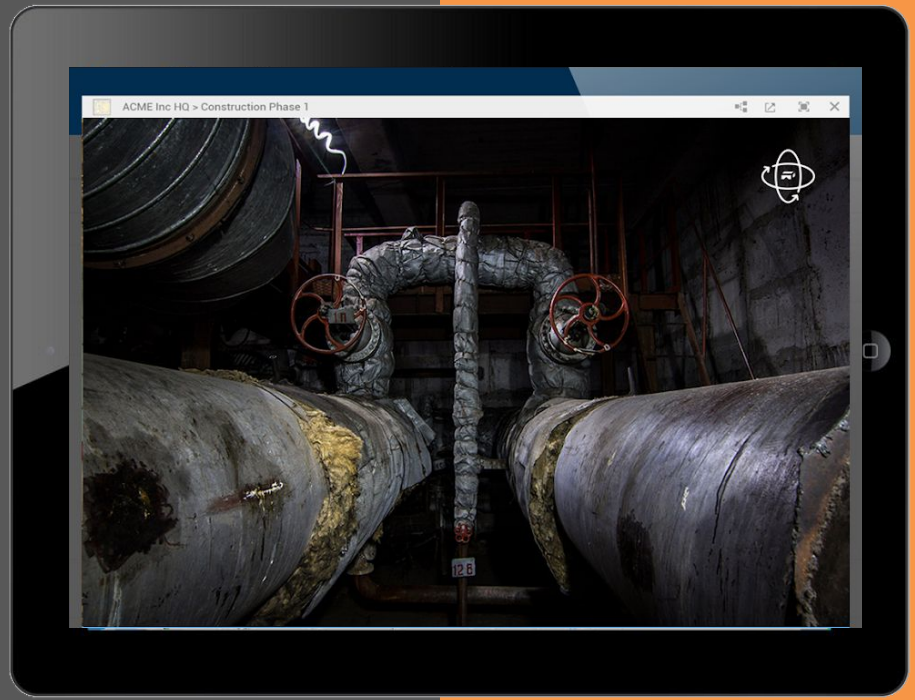
Feature Spotlight: Built-in 360° image capture

- **AutoCapture 360 images from Map Mode**, Drive or directly onto Sketches. Great for inspections or as condition field documentation. (Manholes, Trenches, Installs,etc.)
- **View, Spin, Zoom & Markup 360 images** on any device (iOS, Android, Desktop)
- Create & Publish **TimeLapse videos** (.mp4) that capture change overtime in a specific location.
- **Pin SmartObjects™** directly onto 360 images



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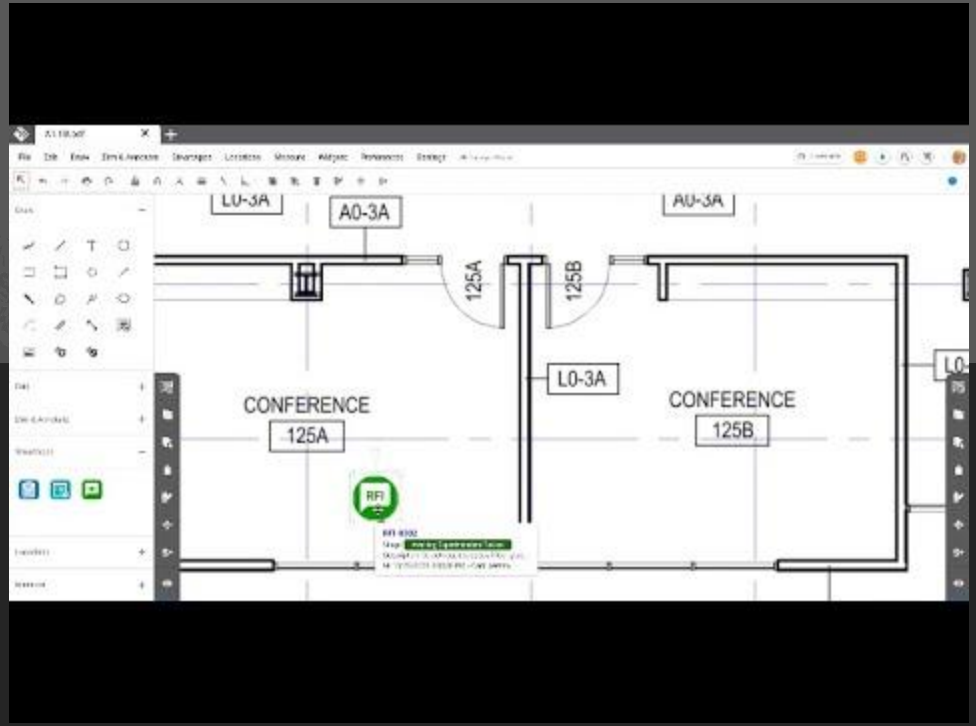
Smartapp FIELD™

SmartPins™

Pin Assets, Inspections, Punchlists, tasks, photos, 360 images, and other items easily to your drawings and sketches.

Along with our **smart-dimensions** to help you get the truest & best representation of your actual field conditions.



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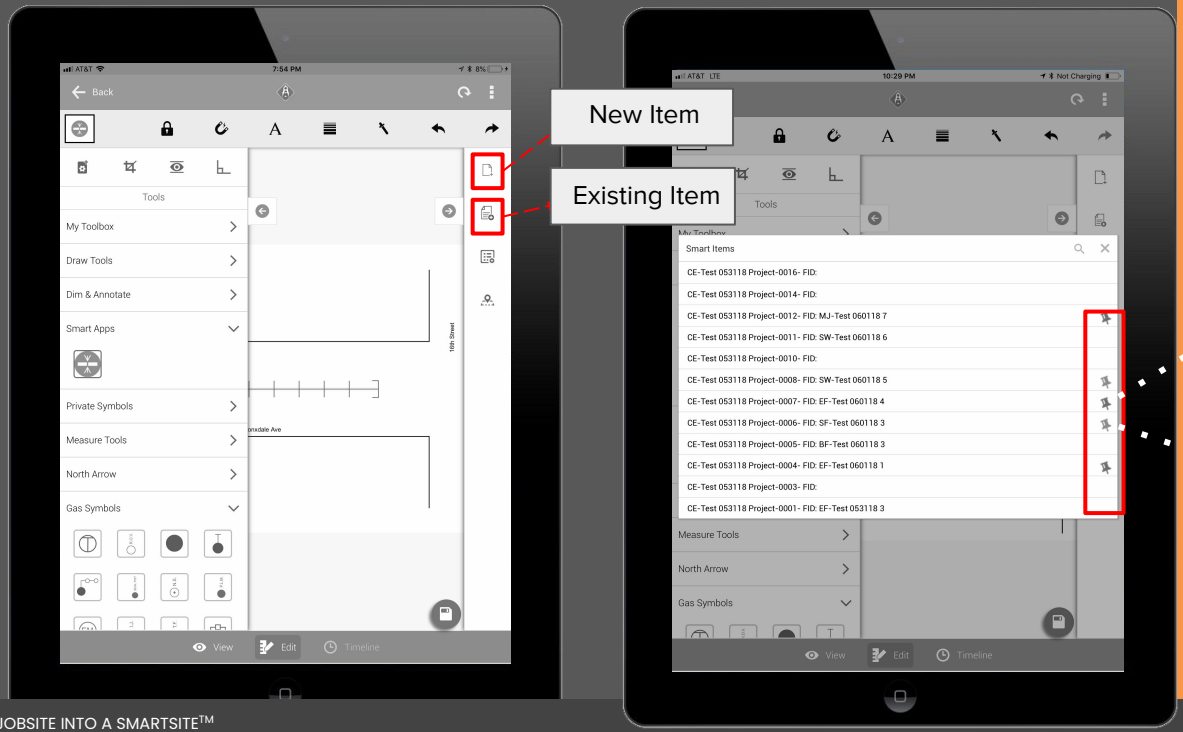
Feature Spotlight: SmartPin Objects™

Sketch **SmartPin Objects™** can be easily defined. On placement, SmartPin Objects™ pop-up data input forms to capture extended attributes, barcodes, photos,etc.. with full workflow validation. Easily track pinned/unpinned.



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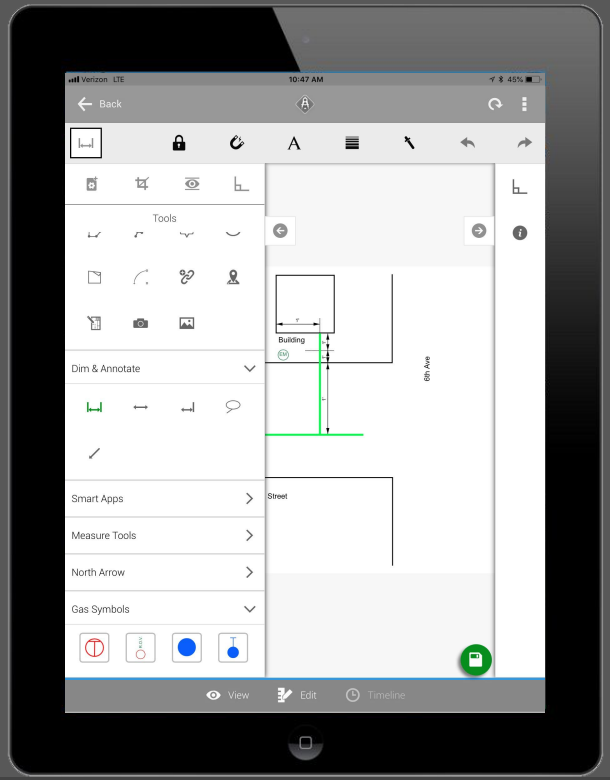
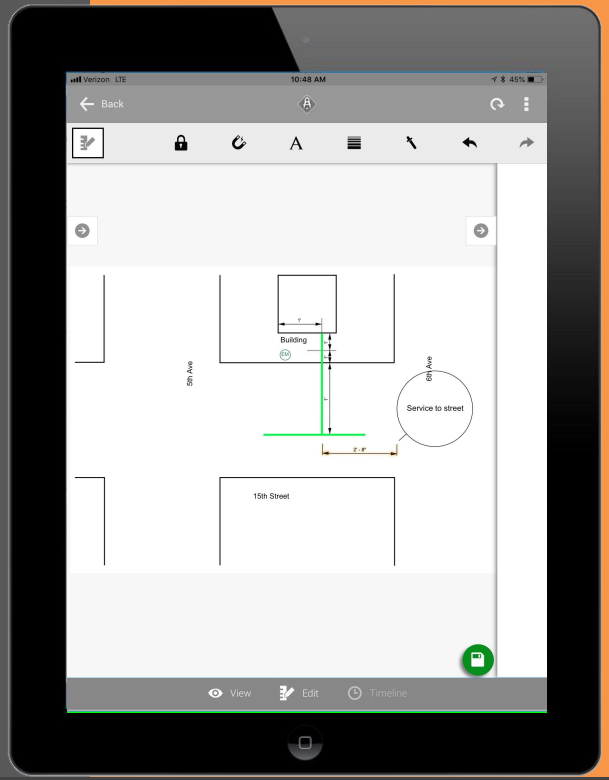
Feature Spotlight: Smart Dimensioning

- Built-in **SmartDimension™** makes it easy to quickly & accurately dimension sketches even on a phone.
- "**Auto-magnetize**" for easy snapping & continuation
- Automatically calculates their value based on **Sheet & Scale calibration**.
- Precision settings allow you to control the dimension value accuracy.





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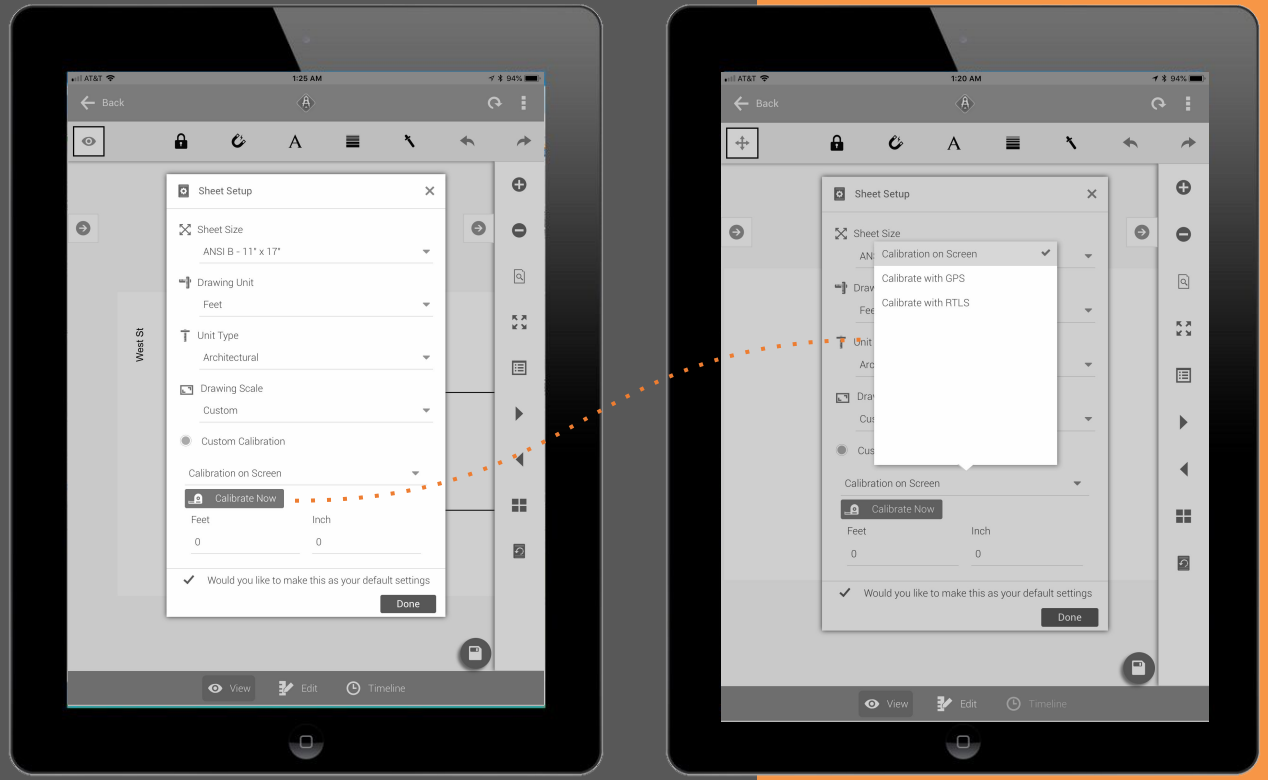
Feature Spotlight: Sheet Setup & Calibration

- The power of precision CAD on any device
- Set your **paper size, scale, units** (metric or imperial) for fraction-based precision
- **Custom Scale Calibration** can be performed by users simply selecting two know points and inputting the distance.



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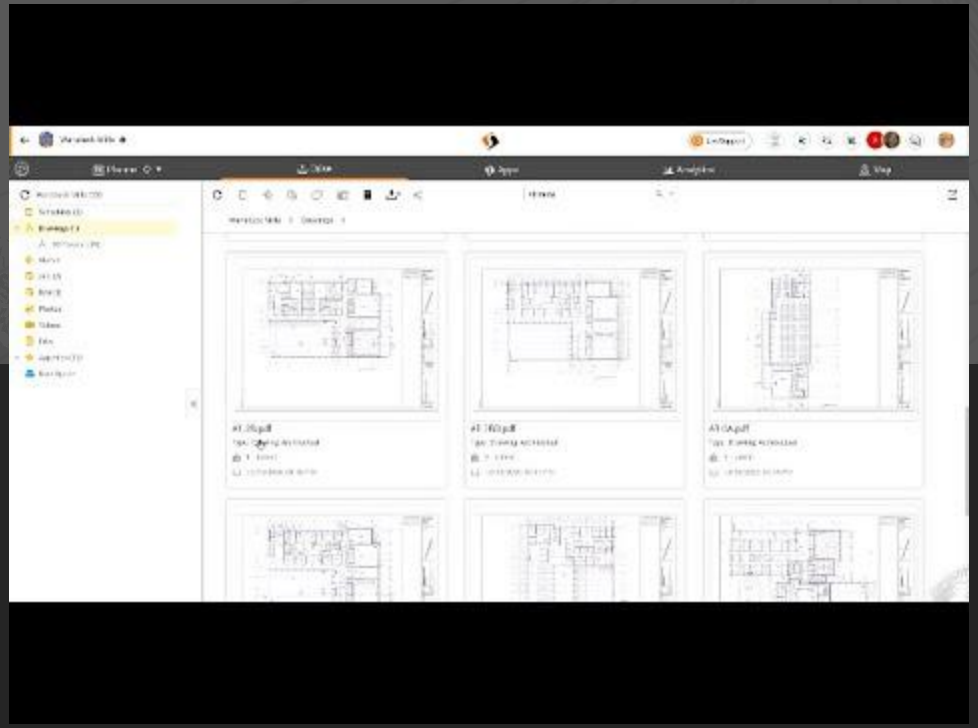
Smartapp **FIELD™**

Document Management

A centralized team **project DRIVE** with a Google Drive-like interface that makes it easy for the entire project team to always have the **latest sketches, drawings** & files when they need them on any device **(ios or Android / Phone or Tablet).**

Machine Learning AI Search makes finding photos & files like nothing else on the market today !



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Smartapp FIELD™

Work Offline

Never stop working or lose work from the field regardless of your connectivity. With our one-of-a-kind **AnyConnect** Framework we make working on mobile a breeze. (iOS or Android/ phone or tablet)

Always access or create the latest files, work orders, inspections, and more from **any mobile device, any time,** even when you're **offline**. You can even create, view & markup sketches or access Map Mode !

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Smartapp **SAFETY™**

Worker Credentials & Certifications

Track & verify all your workers' safety credentials and certification in **one centralized place.** You can even print out ITS barcode badges for workers.

Workers & Contractors can pre-register remotely, use our one-of-a kind **Jobsite Kiosk,** or go contactless. Your jobsite safety manager can easily **verify** worker credentials, **print** their **badges**, and **track** short service and expiration periods.

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Smartapp **SAFETY™**

Site Visitor Tracking

Easily maintain and manage your jobsite daily visitors log.

Electronically pre-schedule and pre-register visitors with full kiosk check-in support. Visitors can safely and **easily log in, get verified, print their badges, and log out** when they're done.

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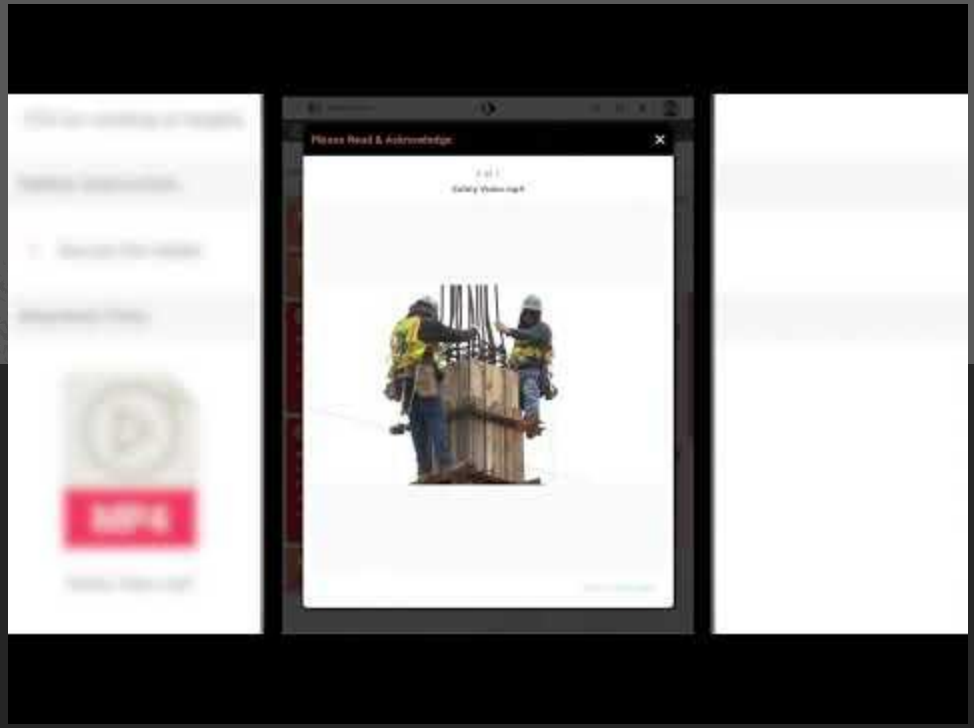
Smartapp **SAFETY™**

Safety Task Analysis Tracker



Prevent accidents and injuries by ensuring that everyone on your jobsite team acknowledges their **STAs** before they complete their tasks. Manage your **project's entire STA documentation** in one organized central place.

Electronically **request and approve** jobsite safety permits, Permit approval can be assigned to locations, duration, and electronic inspections **any time on any device**.

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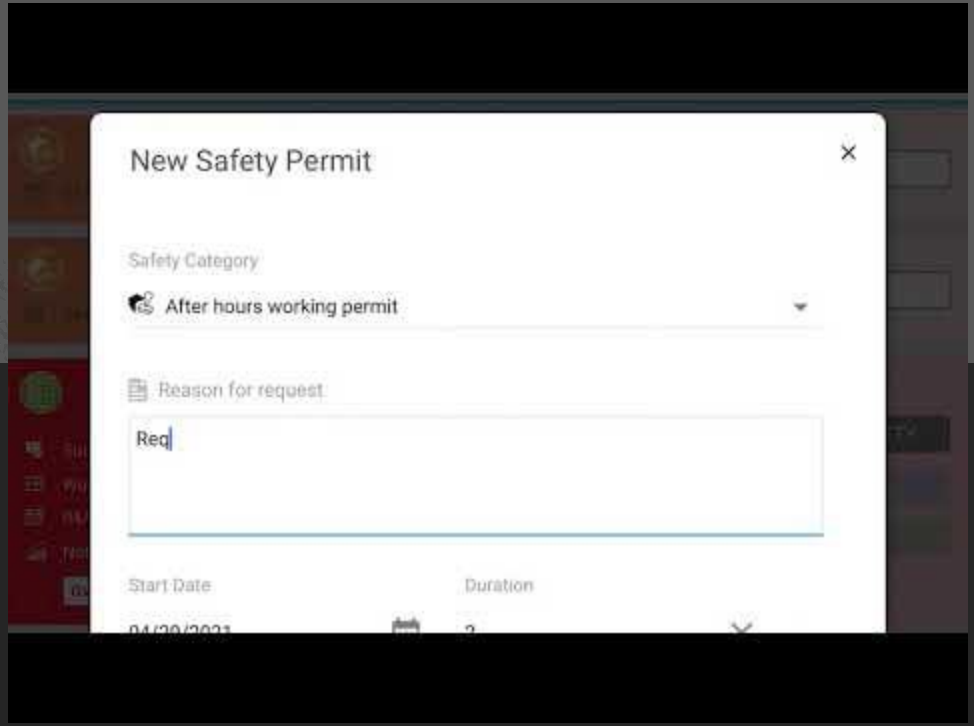
Smartapp **SAFETY™**

Safety Permit Tracker

Electronically **request and approve** jobsite safety permits, Permit approval can be assigned to locations, duration, and electronic inspections **any time on any device**.

All your jobsite safety permits in one organized central place.



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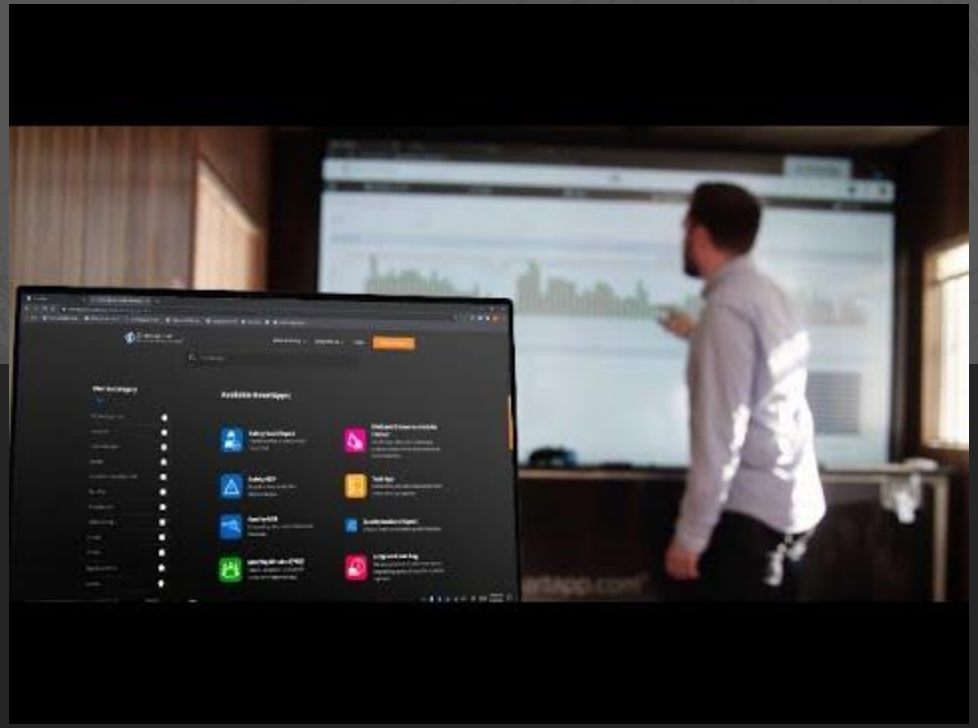
Smartapp **PRO**™

Ready-to-use App Marketplace

A subscription to access unlimited pre-built apps in the Smartapp Marketplace to automate all your project jobsite **work automation and data collection** needs.



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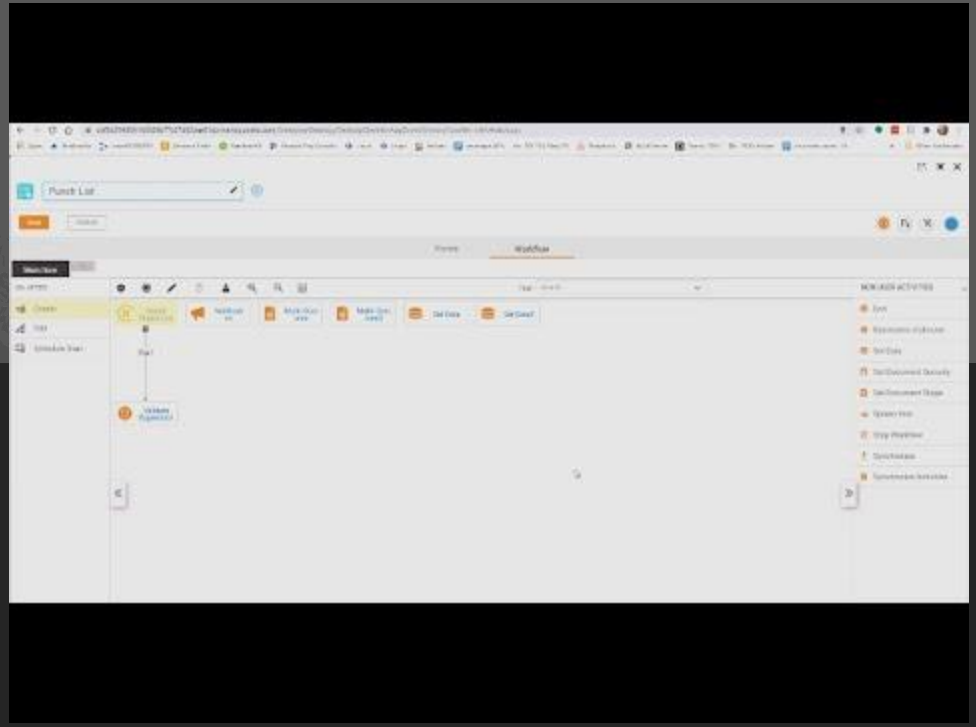
Smartapp **PRO™**

No-code Apps



Rapidly automate & digitize your data collection and multi-party work streaminto easy-to-use apps (mobile or desktop) with our powerful yet simple to use **drag-and-drop no-code** App Studio interface.

Built-in controls like barcode scanning **(w/ Manufacturer traceability data)** , weather, photo, GPS,Sketch, speech-to-text features. and more !

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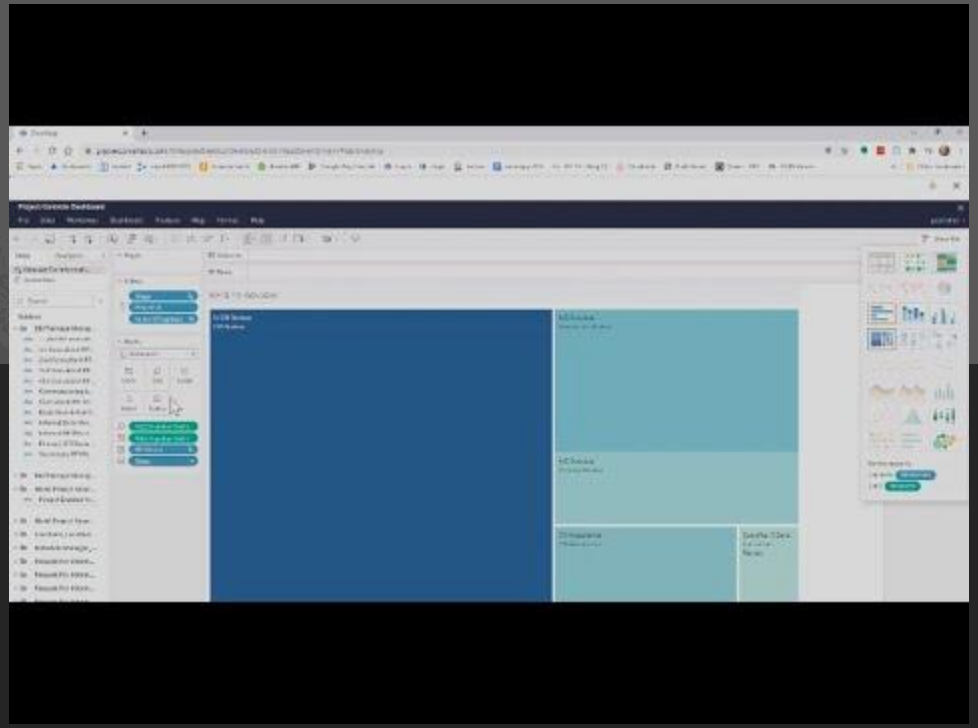
Smartapp PRO™

Visual Analytic Dashboards

Build on-the-fly **stunning, real-time** dashboards from the jobsite data that your apps collect throughout the project, keeping you and your team always up-to-date **health and progress status.**



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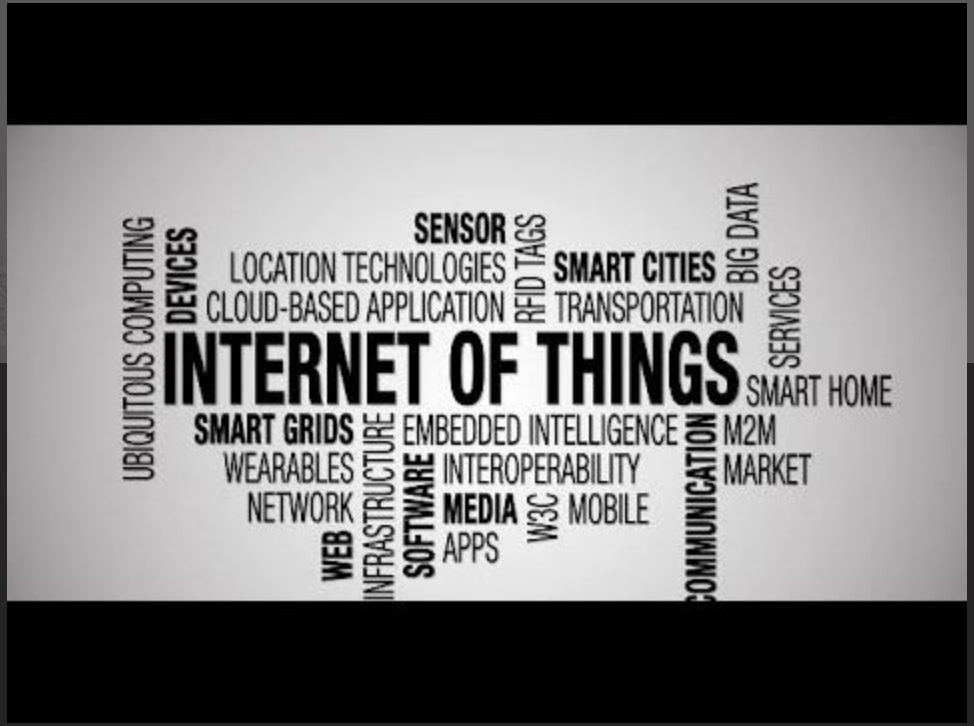
Smartapp **PRO**™

Interoperability

The power to easily connect your apps & data with your other systems.

Full REST web API and **built-in connectors** makes integrating Smartapp with your other systems, iOT sensors & equipment a reality.



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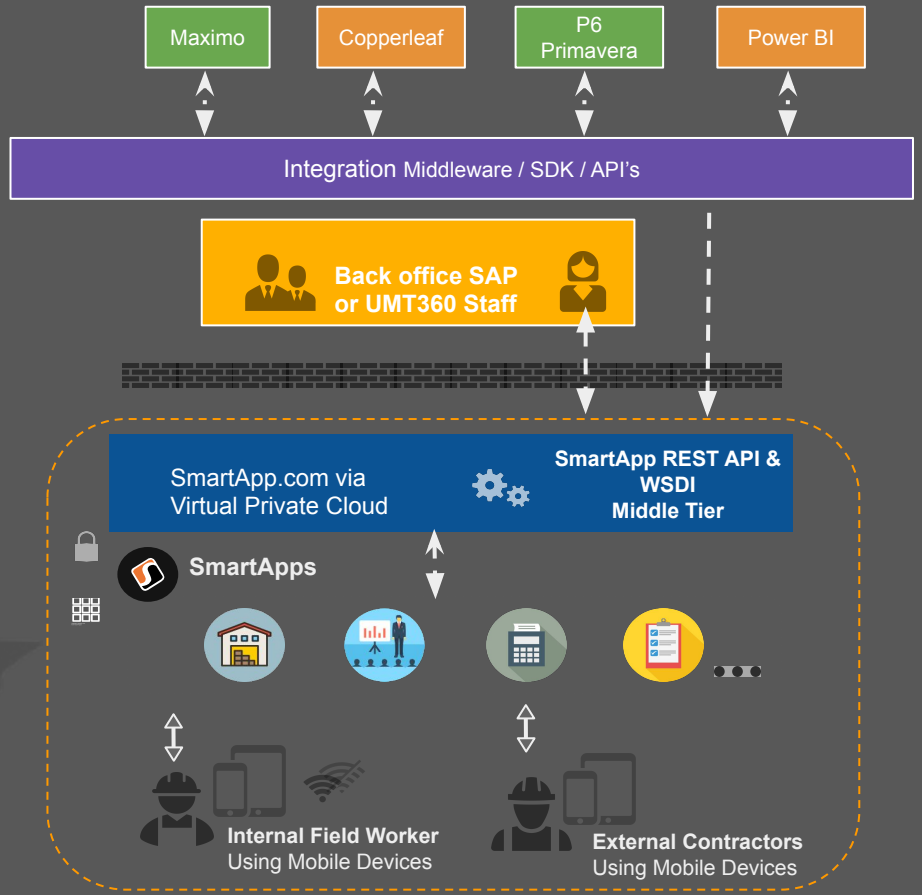
A Platform Built To Integrate

Limitless possibilities with pre-built connectors and a powerful open API



Smartapp connector

esri

AUTODESK.

MicroStation

PROCORE

+ableau

EOS Positioning Systems · P6 ORACLE · P

Trimble

*Pre-built **connectors** and a powerful open **API** for Limitless possibilities*

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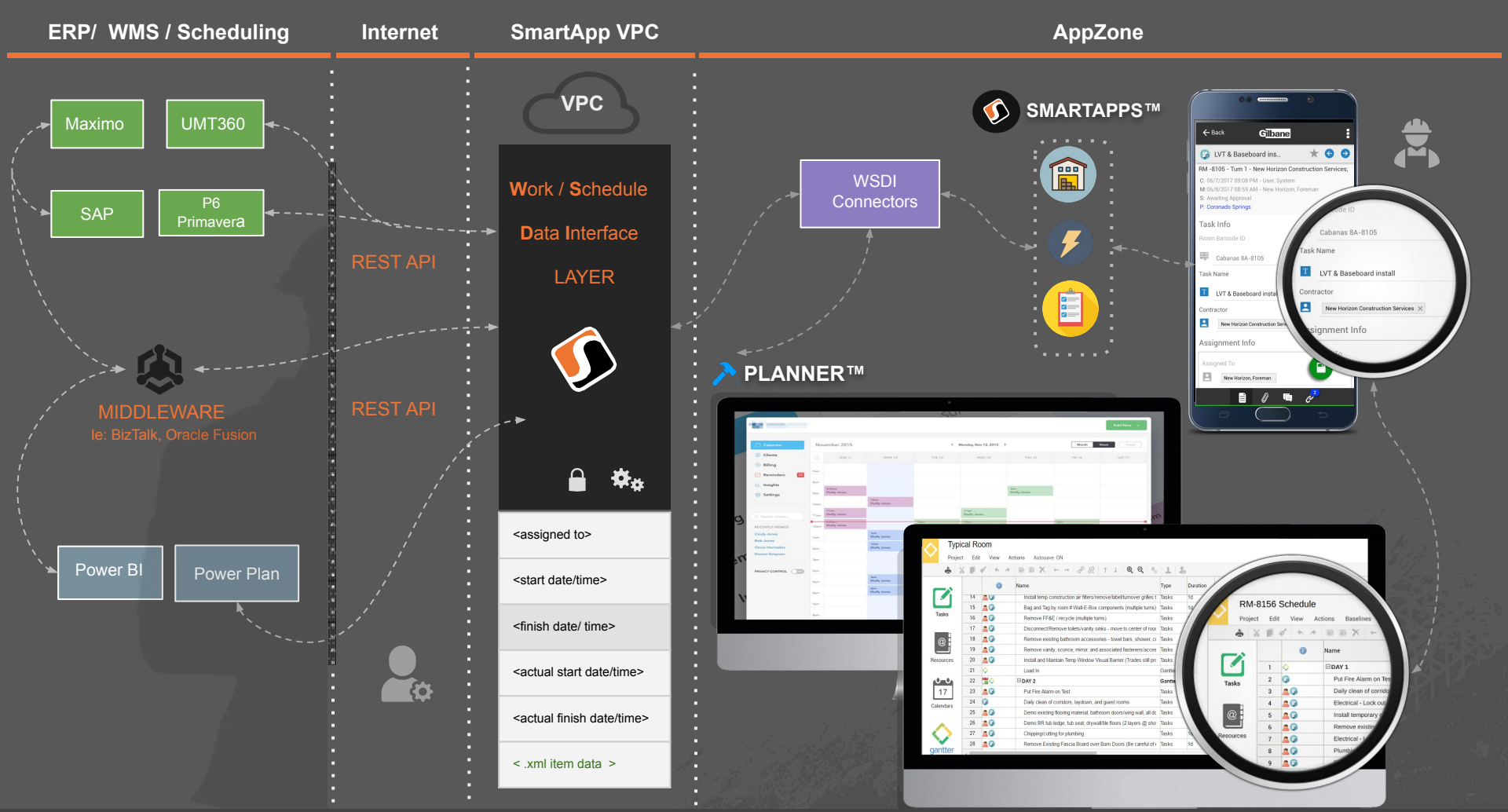

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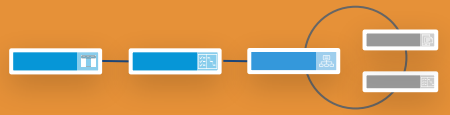
Work Management

The best system to compliment a Work Management & Scheduling Systems like **Maximo, SAP, UMT360, and P6** is one that's built on the same fundamental principles that define all WORK

WHO		**Company, Crews, Person**
WHERE		**GeoSpatial or Indoor**
WHEN		**Hourly, Single Day or Multi Day**
WHAT		**Any Work Type - ie. install /inspect / repair**

Work Events Interface (WSDI)

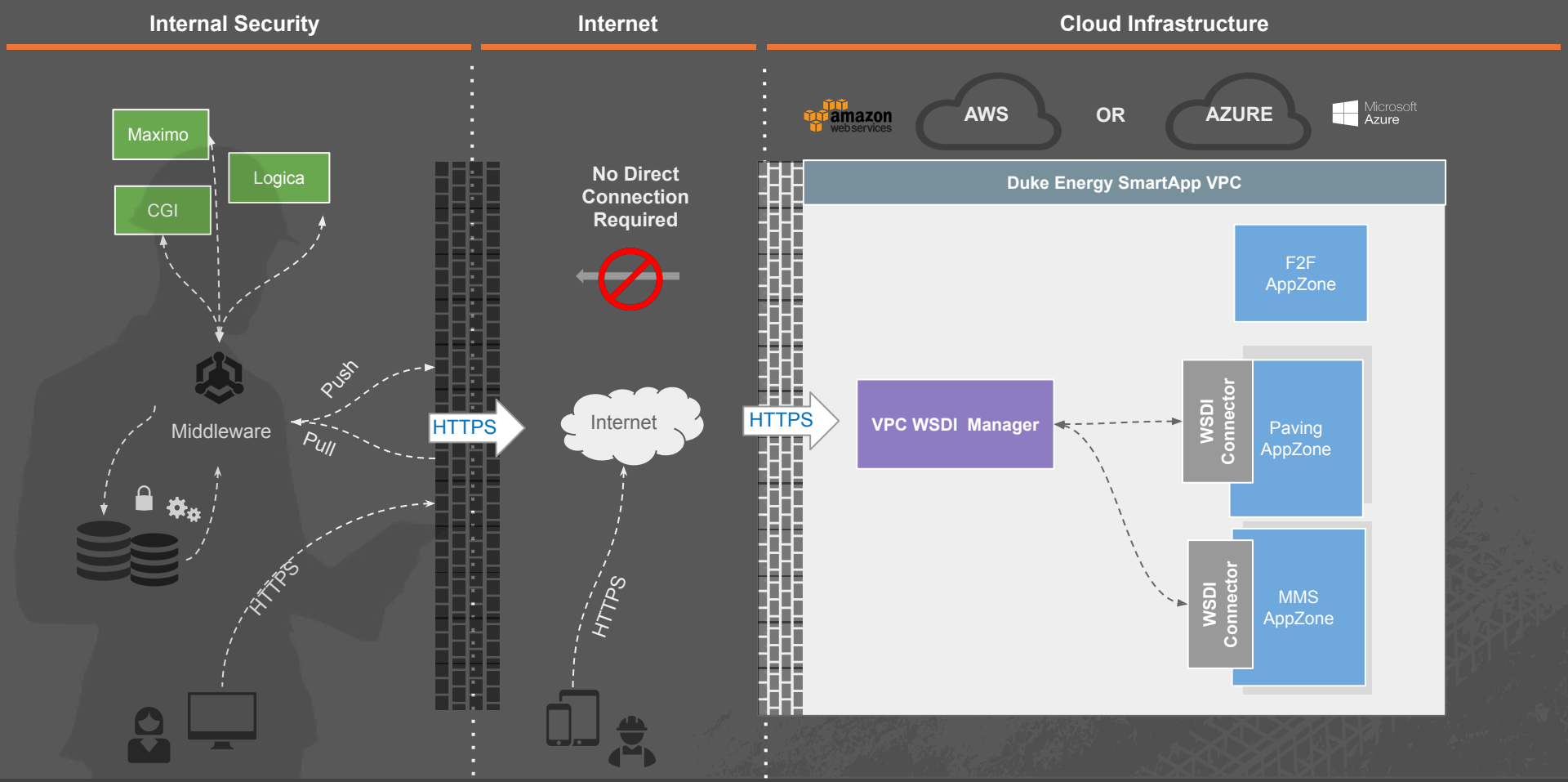


- Work **ASSIGNED**
- Work **DISPATCHED**
- Work **STARTS for Day**
- Work **ENDS for Day**
- Work **COMPLETED**
- Work **VERIFIED**
- Work **IMPACTED**
- Work **RESCHEDULED**
- Work **HOLD**
- Work **EXTENDED**
- Work **RE-ASSIGNED**

Built-in work events for bi-directional real-time tracking

"Work management can be defined as a way of developing structure in a complex project, where the independent variables of time, cost, resources and human behavior come together." - Rory Burke

Enterprise Security Overview



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Success Highlights:

Corporate Standard for GasOPS & CM Paving **delivering survey grade GPS asset & inspection field data**

249,721 Paving Orders

141,404 AsCon Sketches

159,701 Opening Tickets

685,091 Fuse Installs, GPS & Inspections

59,764 Gas Tickets

Turn your **Jobsite** into a **SmartSite™**

nationalgrid

Success Highlights:

US standard for 360˚ inspections & 3rd party attachment licensing

31,405 3rd Party Licenses

149,721 Inspections

4 Million+ Assets

185,091 Manholes

2 Million+ Poles

Turn your **Jobsite** into a **SmartSite™**

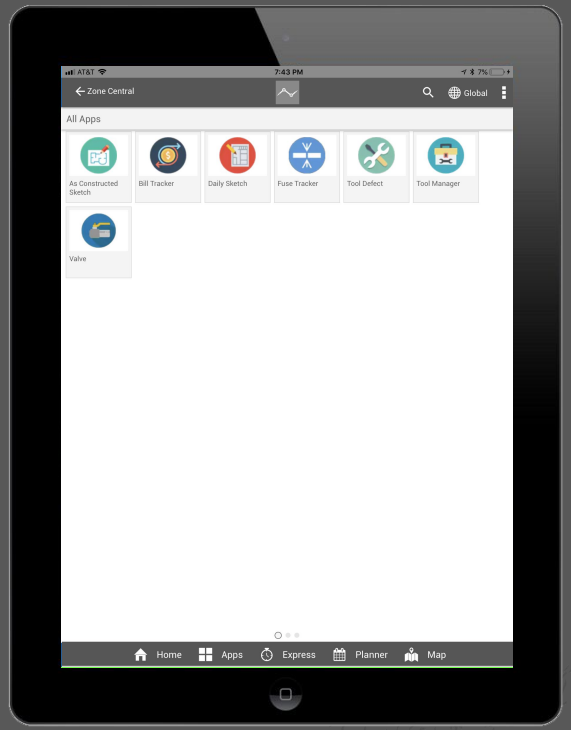
Gas Operations - Pipe/Fittings Installation, GPS tracking, Field Sketching & Inspections

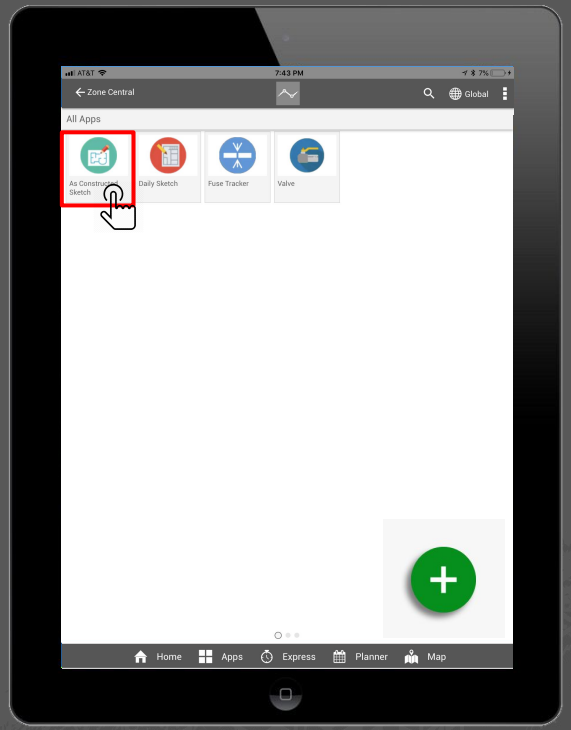
conEdison

Success Spotlight: Gas Operations, Installations & Inspections

Joiners & Second Inspectors can create **As Constructed Sketches** by simply;

- ❑ **Tap** on the the **As Constructed Sketch form**.
  - ❑ **Note:** This can be done from Mobile or Desktop devices.
- ❑ **Search & Select** the right **Gas Ticket** that this sketch is related to.
- ❑ **Tap** on the green plus button.





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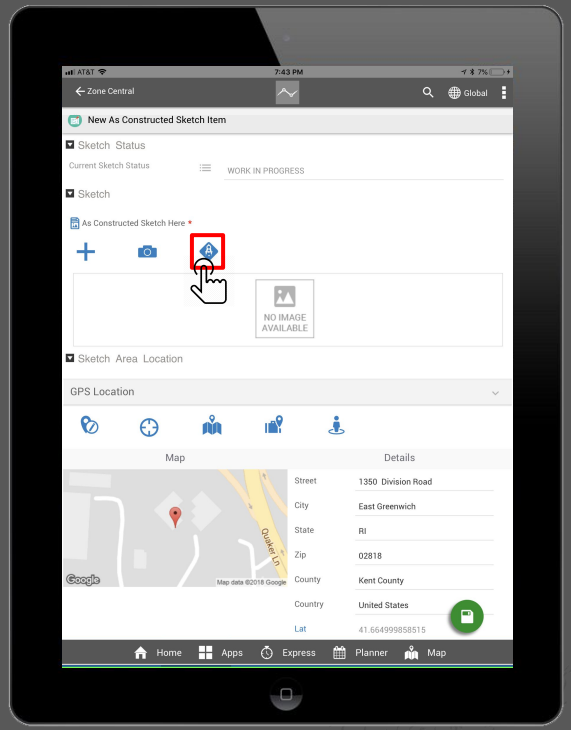
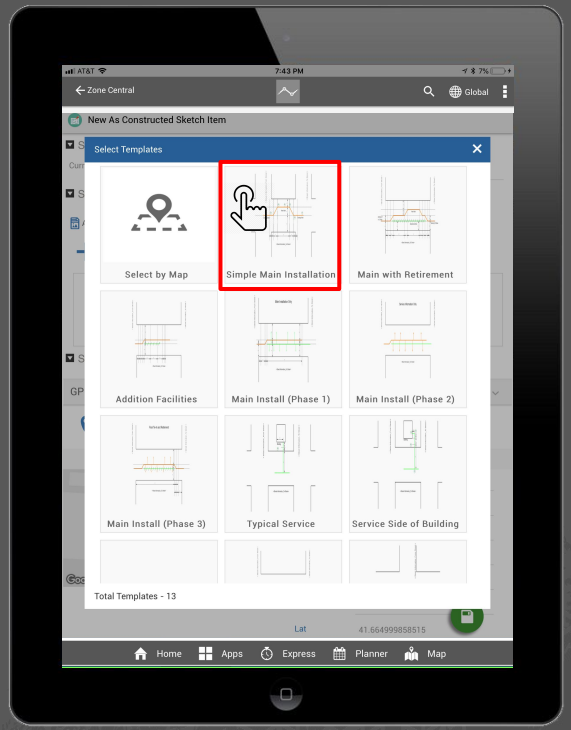
Success Spotlight: Gas Operations, Installations & Inspections

Once the **As-constructed Sketch** form loads;

- **Tap** the **Sketch** icon on your form.
- **Select** a starting **Template** background for your As-constructed sketch (street intersection, gas main, service ties, etc..
  - **Note:** Administrators can define new or update existing templates and easily roll them out to users from one central admin console.





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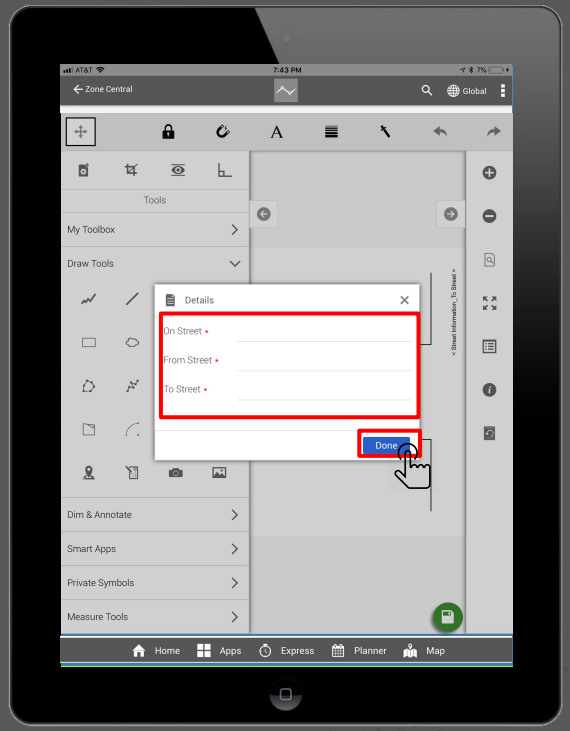
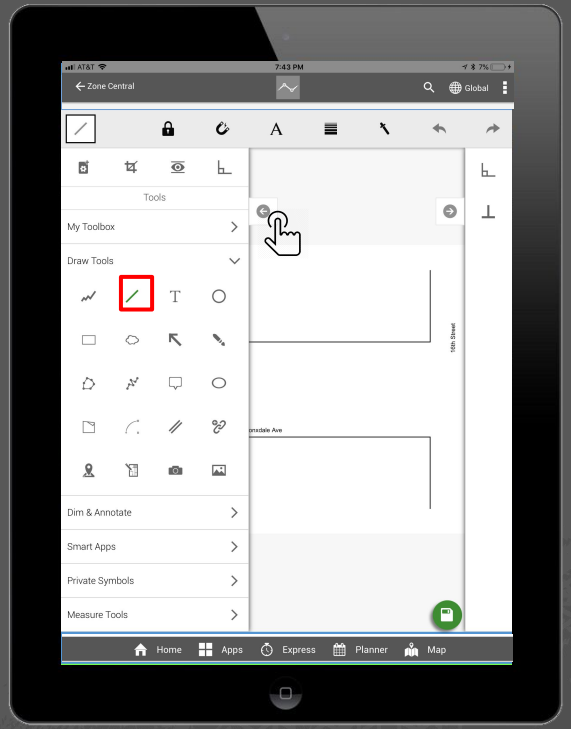
Success Spotlight: Gas Operations, Installations & Inspections

Once an IQ:Sketch™ **Template** has been selected, users can;

- ❑ **Fill in** the data attributes that have been defined with the template (ie. **On Street, From Street,** and **To Street**.)
- ❑ **Start Drawing;** Open your **Drawing Tool** slider menu from the **left** and start drawing by selecting a draw tool command; ie line, circle, text, rectangle, etc.





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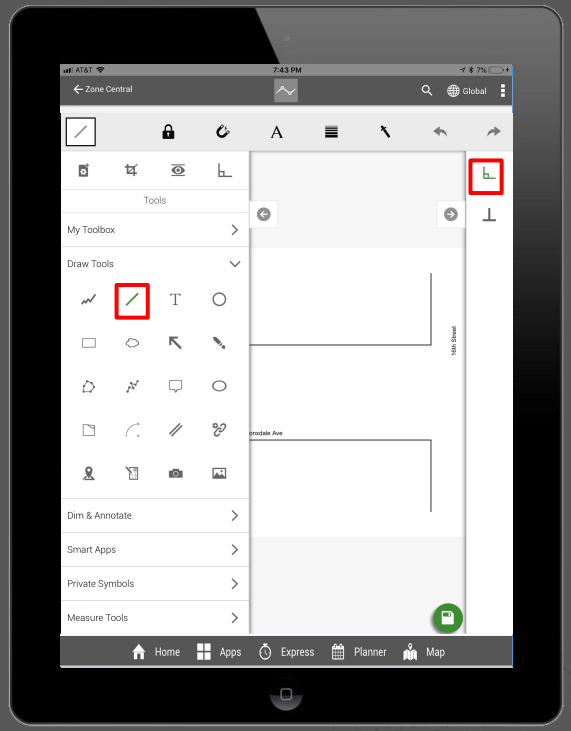
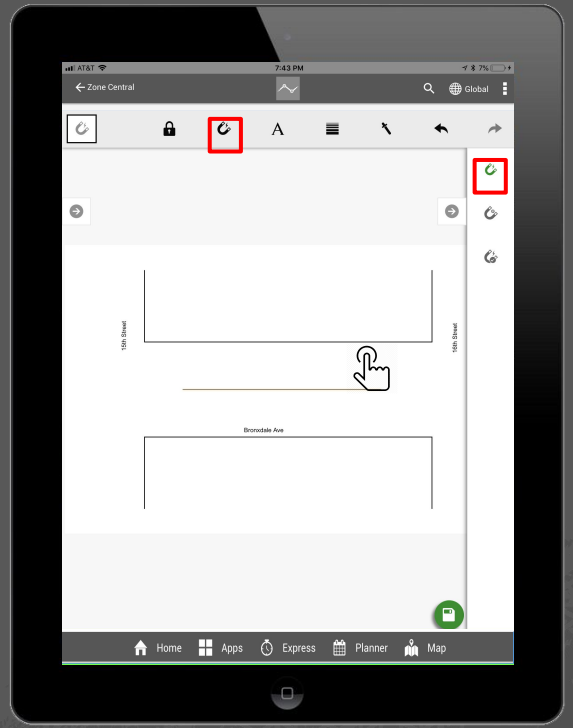
Success Spotlight: Gas Operations, Installations & Inspections

IQ:Sketch™ **optimized** for mobile usability feature set makes it easy for user to draw on any mobile device form factor or size. Users can;

- ❑ Leverage **Ortho & Perpendicular** to easily draw straight lines.
- ❑ Use the **Magnetize tool** to easily snap to end, mid, center points allowing you to accurately place your next items.
- ❑ Use a **pen stylus** for even faster more precise drawing.





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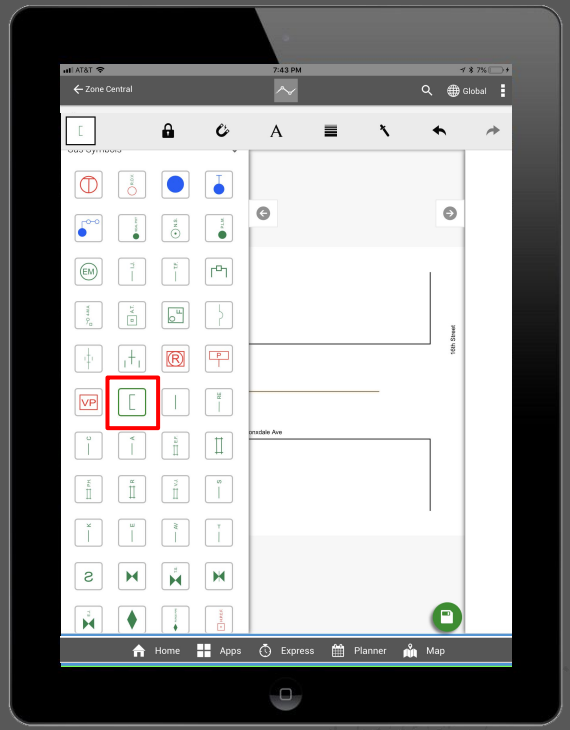
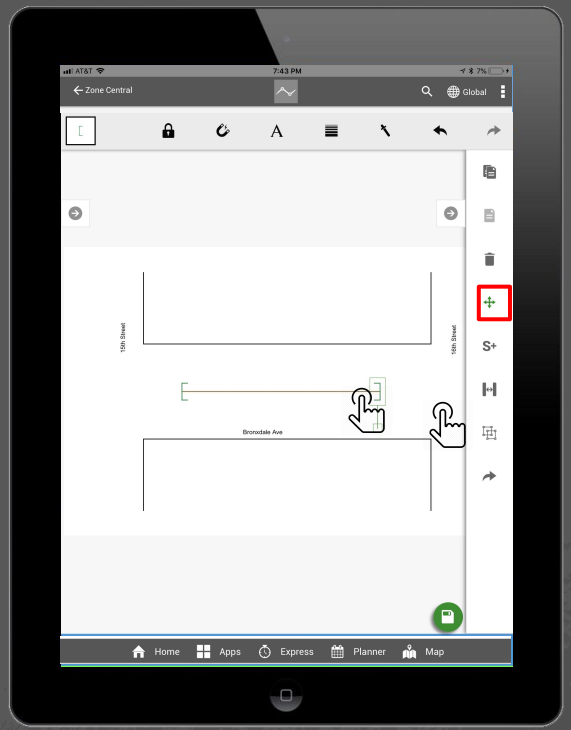
Success Spotlight: Gas Operations, Installations & Inspections

Using the admin configured **Gas Symbols Palette** found in the left Draw Tool allows users to easily place common gas symbols onto their sketch;

Example. Placing a gas cap:

- ❏ **Tap** the cap symbol.
- ❏ **Tap** on either end of the line to drop the symbols.
- ❏ Using the **auto-move** selection, combined with **ortho & rotate** makes it easy to adjust as needed.





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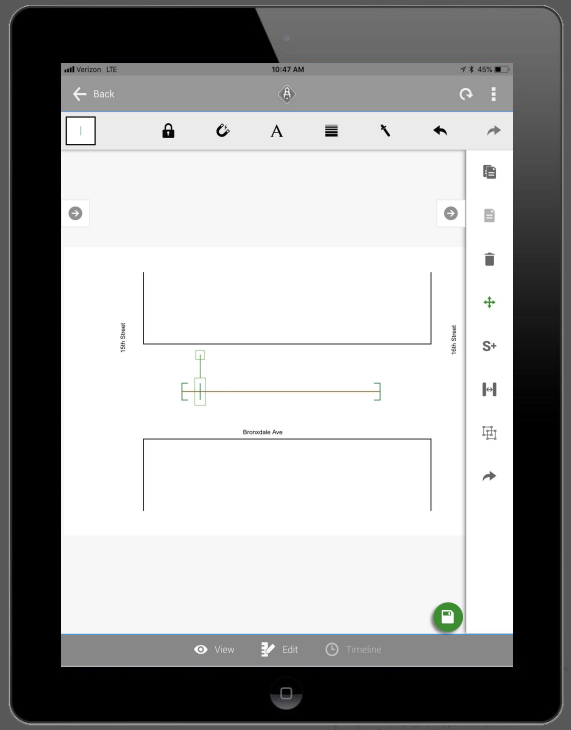
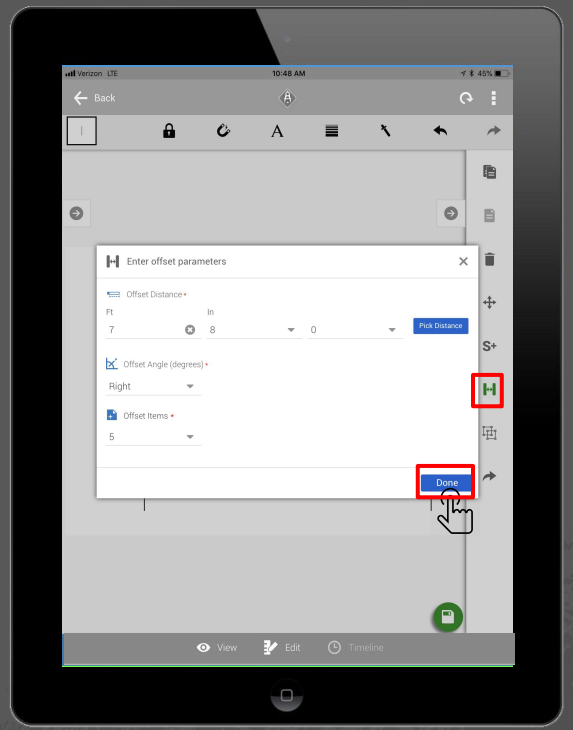
Success Spotlight: Gas Operations, Installations & Inspections

Using the IQ:Sketch™ **Offset Wizard** makes precision placement of multiple symbols or draw items a snap.

- ❑ **Tap** on symbol to place first item
- ❑ **Select** the **Offset Tool** in the right hand navigation.
- ❑ **Select** the distance, the offset angle, and number of items. Tap Done.





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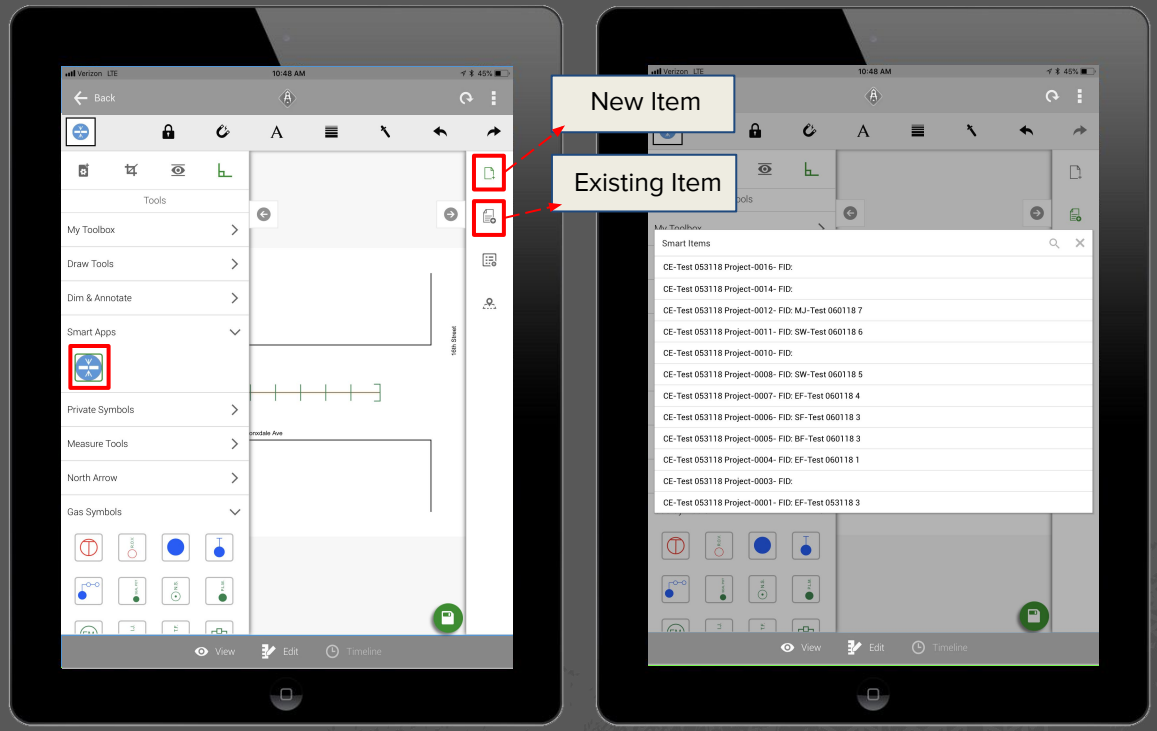
Success Spotlight: Gas Operations, Installations & Inspections

IQ:Sketch™ symbol **SmartObjects™** makes adding data attributes, data validation and workflow possible to your Sketch form symbols..

Example: Placing new or existing Fuse SmartObjects onto the sketch

- ❑ Slide open Draw Tools and **Tap** the **Fuse SmartObject** icon.
- ❑ **Tap** on Existing Item.
- ❑ **Tap** in sketch canvas where you wish to place Fuse smartobject visual symbol.



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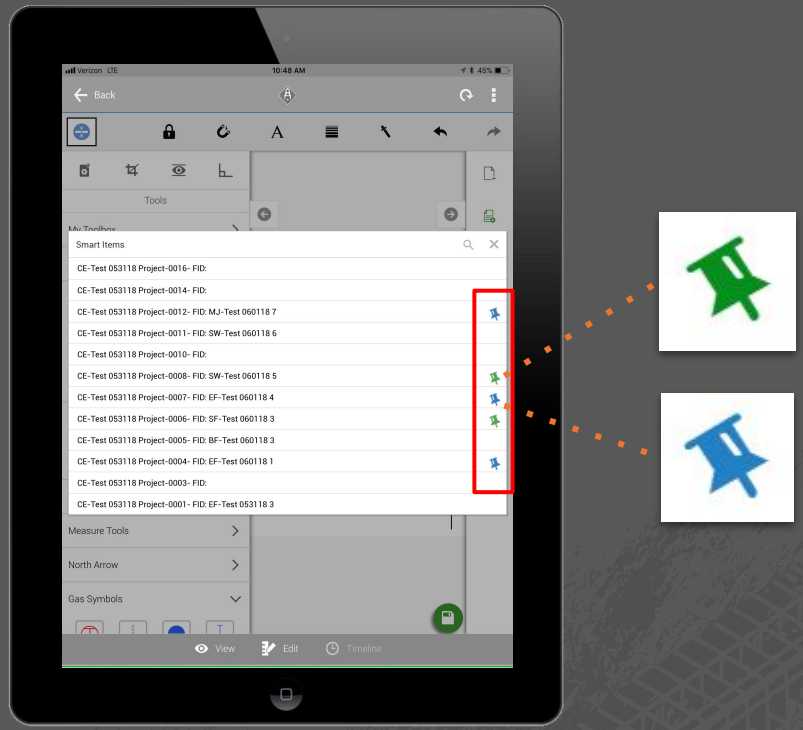
Success Spotlight: Gas Operations, Installations & Inspections

When IQ:Sketch™ **SmartObjects** are placed on As Constructed Sketches, a **pin indicator** is displayed to note it has been added onto this or another sketch to help you easily track status.

- A **green pin** identifies fuse record is placed on current sketch.
- A **blue pin** identifies fuse record is placed on another sketch.



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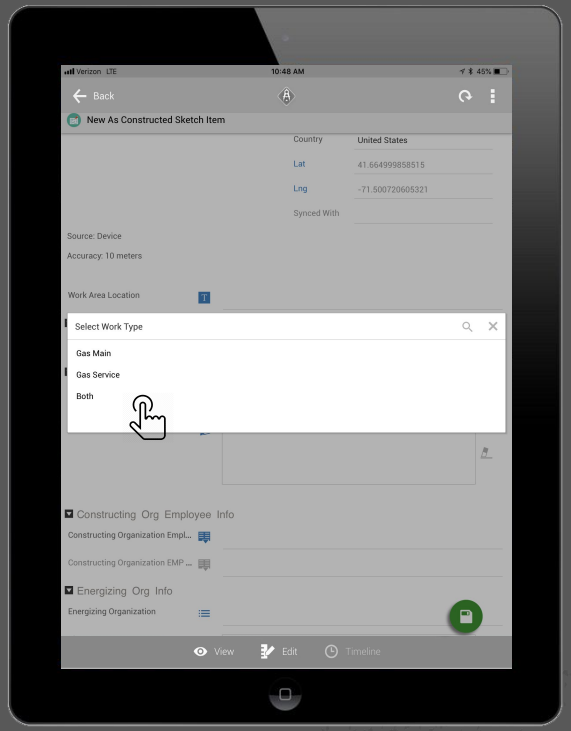
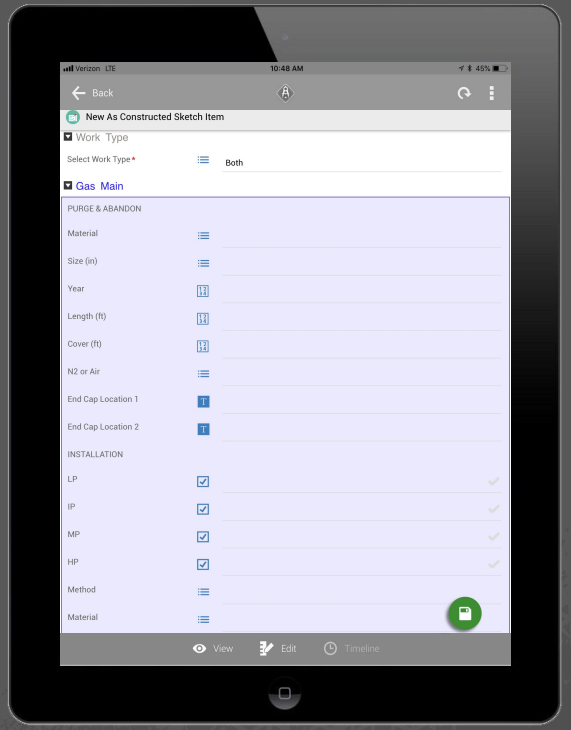
Success Spotlight: Gas Operations, Installations & Inspections

To finish your **As Constructed Sketch Form** simply fill out the rest of the admin defined data attributes for all Type of Work, Gas main & service details.

- **Note:** Data form **validation** assures required fields and correct **normalized data input** is always entered.





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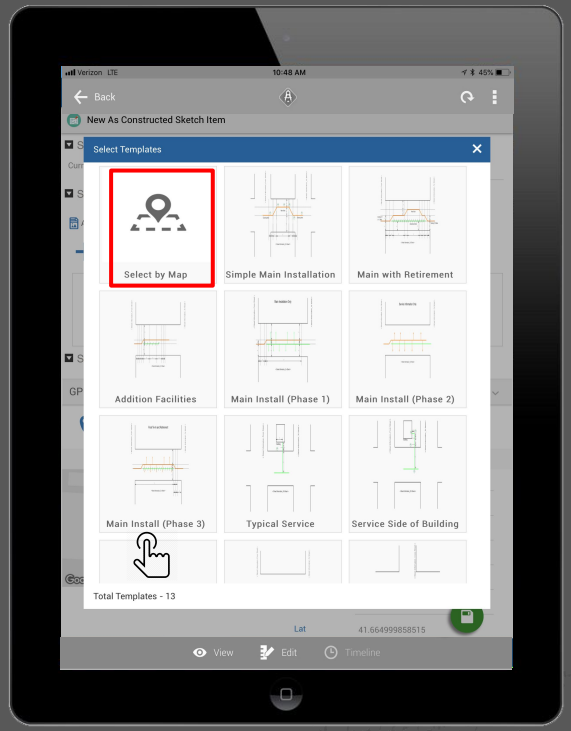
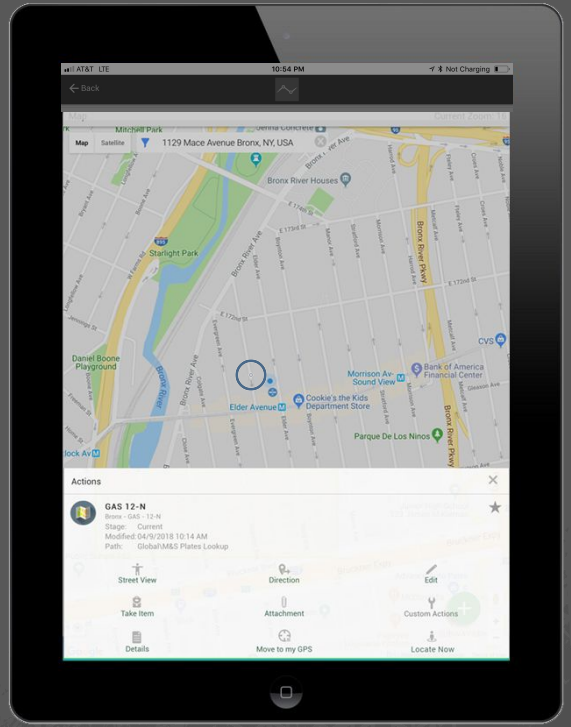
Success Spotlight: Gas Operations, Installations & Inspections

IQ:Sketch™ alternatively allows user to **Clip & Sketch** on top of a **Map Templates** (b&w, color, satellite).

- ❑ **Tap** Select start by **Map Template** option
- ❑ **Clip Map** area and select background preference you would like to bring into your sketch (b&w, color, satelite).





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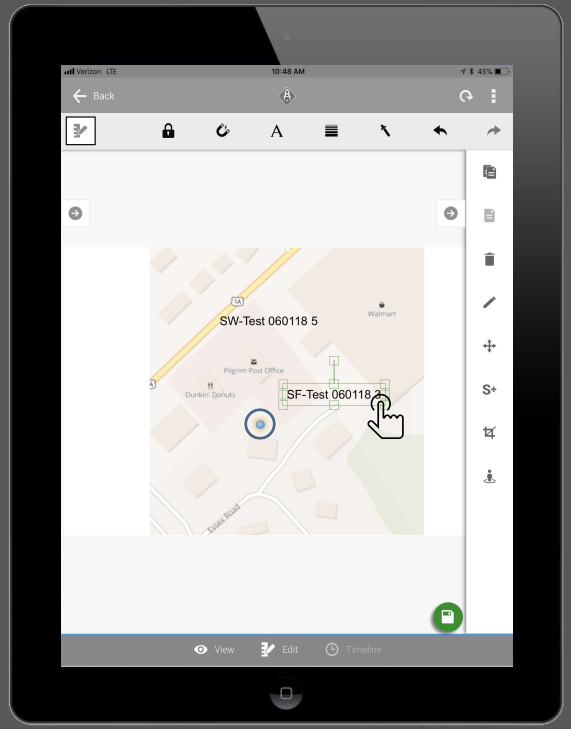
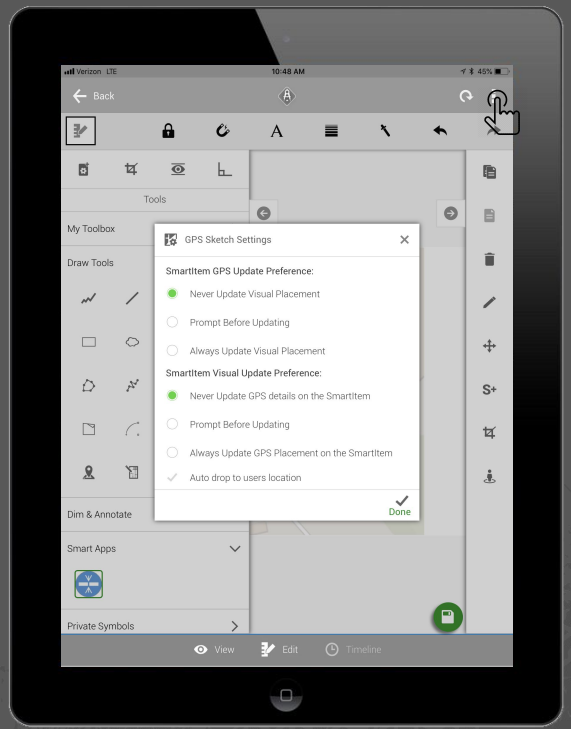
Success Spotlight: Gas Operations, Installations & Inspections

Once the **Map Template** boundary is selected the mobile users actual current GPS **location beacons** inside IQ:Sketch™

- The sketch built-in **GeoCAD™** features will now allow user to easily and accurately use their current **GPS location** to **draw, dimension, drop symbols, or place smartobjects**..





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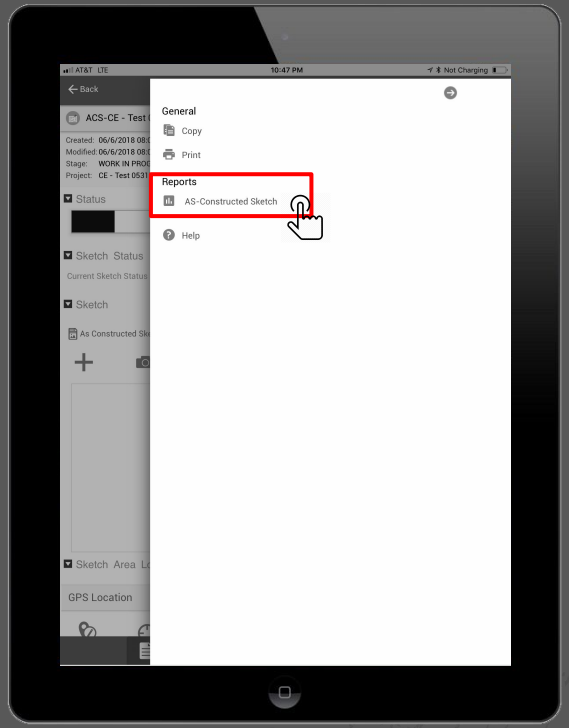
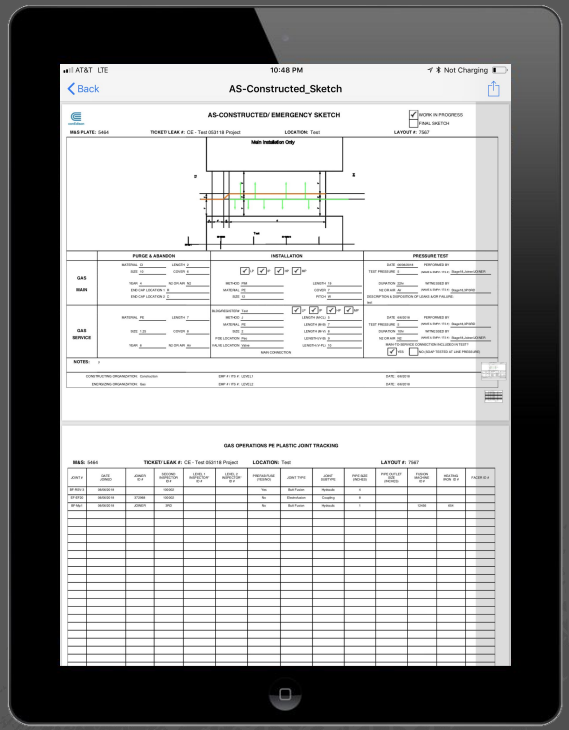
Success Spotlight: Gas Operations, Installations & Inspections

A completely filled in and pixel perfect ready for print **As Constructed Sketch Report** can be automatically generated on mobile or desktop

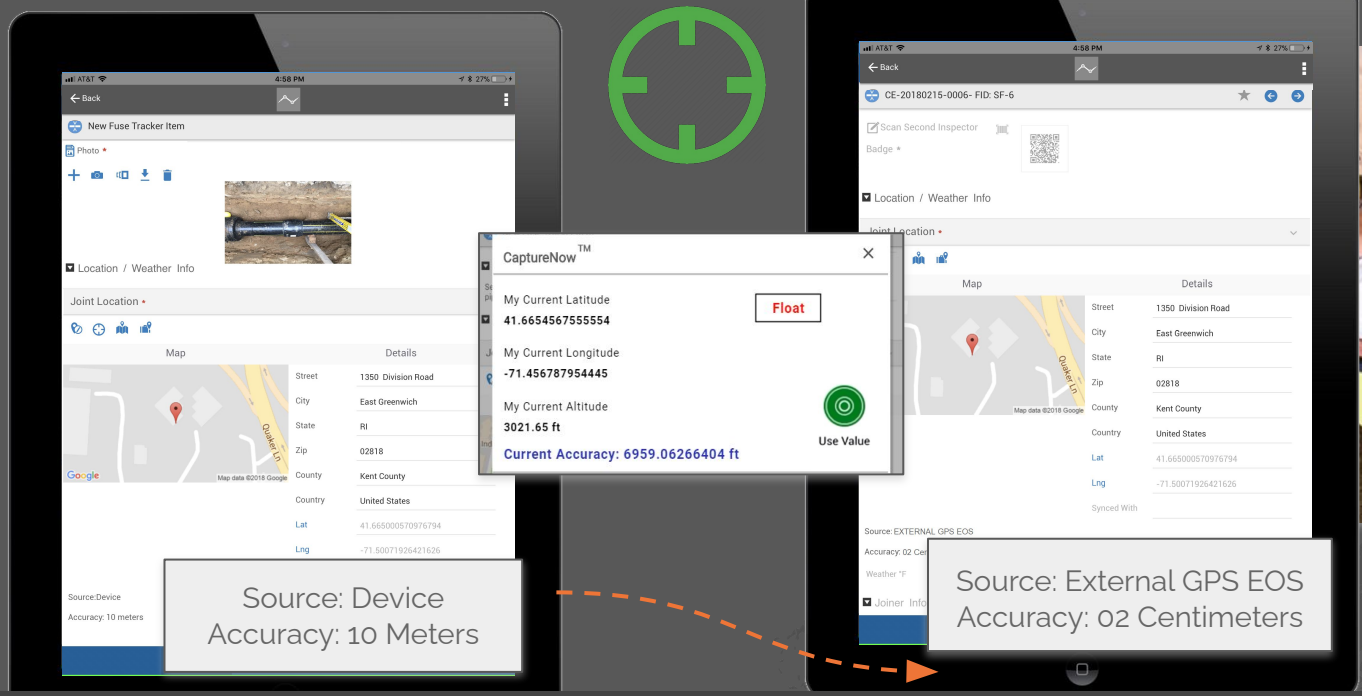
- ❑ The sketch, and **ALL** the mains and/or services data entered will display on **Page 1.**
- ❑ All associated **Fuse SmartObjects and their attribute data** will display on **Page 2.**

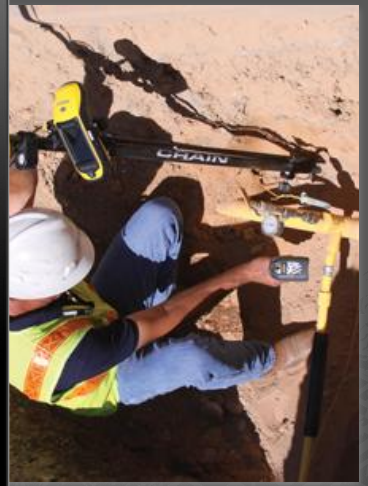




Success Spotlight: Gas Operations, Installations & Inspections

- With IQ:Sketch™ built-in support for **3rd party external GPS devices** (EOS, Trimble) Con Edison has easily integrate into the Fuse to Fuser Program the ability for third party inspectors to **CaptureNow™** centimeter accurate geocode data





centimeter accurate GPS data

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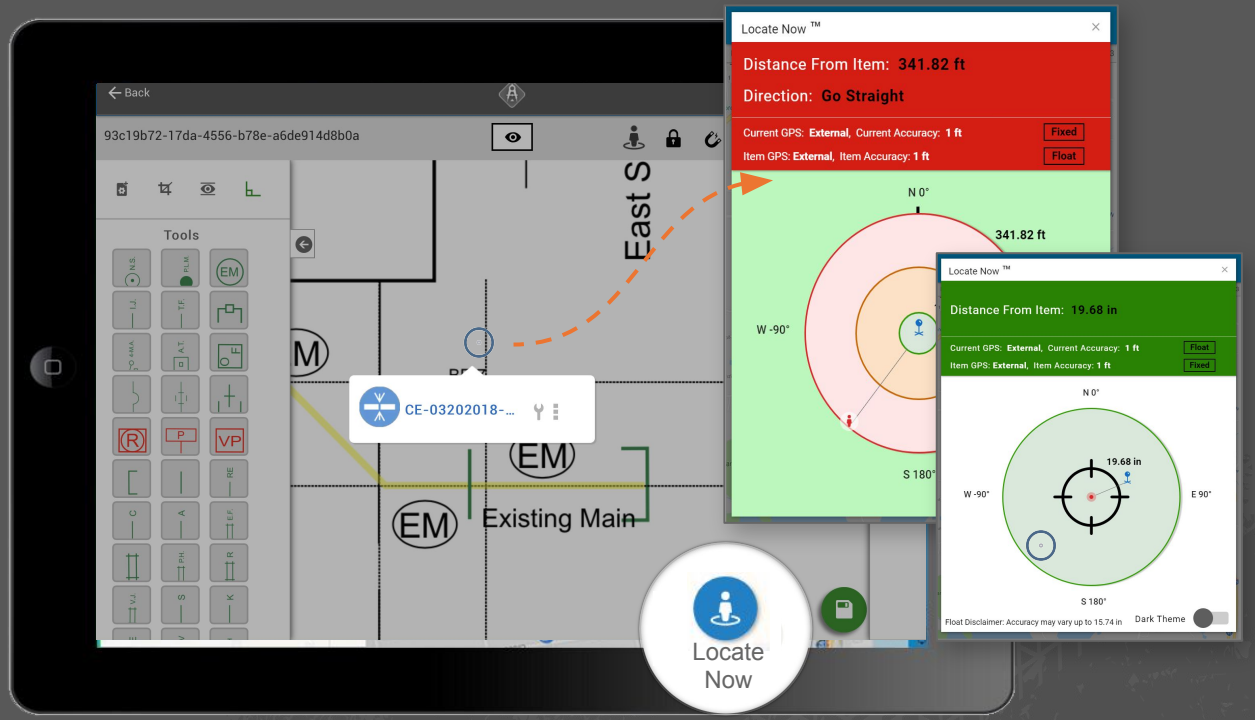
Success Spotlight: Gas Operations, Installations & Inspections

- IQ:Sketch™ built-in GPS **LocateNow™** feature users can easily **Click & Locate** any GPS geocoded GasOps (SmartObject™) in the field right from the sketch.



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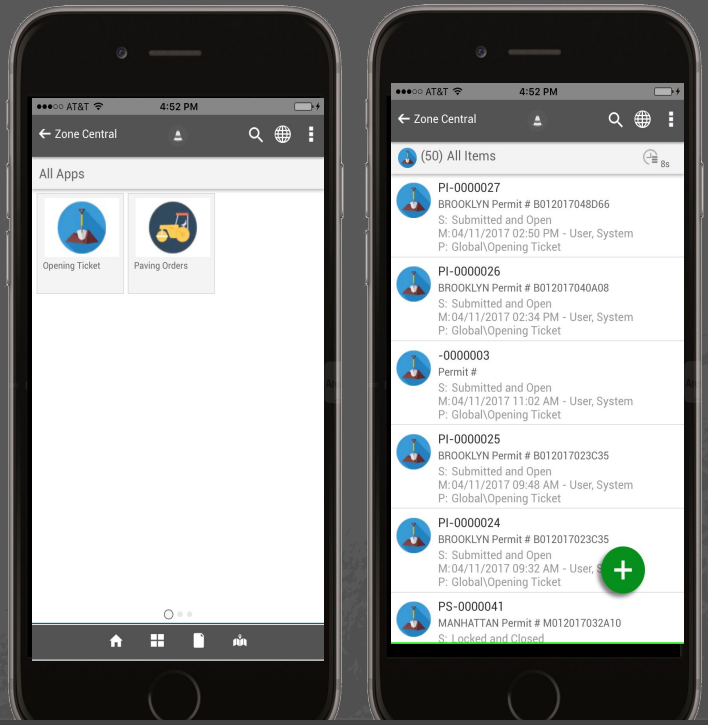
Paving, Opening Tickets & Work Orders

Success Spotlight: Paving, Opening Tickets & Work Orders

Con Edison leveraged the SmartApp IQ:Sketch™ platform to digitize the entire **Opening Ticket** sketch form process thru to the resulting Contractor facing **Paving Order Work Packages**,

- Con edison employees via Role based security are granted access to the **Opening Ticket Sketch Form.**
- **By simply clicking the green + button,** a new Opening Ticket sketch input form will be displayed to fill in on mobile or desktop devices..



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Success Spotlight: Paving, Opening Tickets & Work Orders

The Opening Ticket starts by **selecting a NY DOT permit.**

- Via a **REST API** based integration selecting a Permit **automatically populates the permit data, and links a PDF of that permit** to the Opening Ticket.

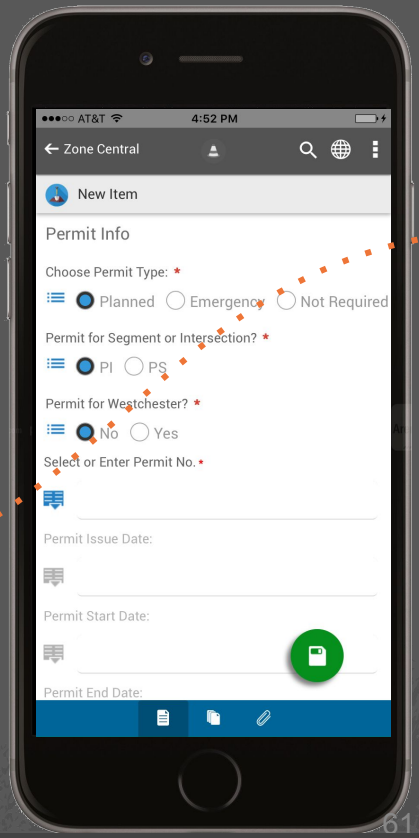
NYC Department of Transportation
Office of Permit Management
PROTECTED STREET OPENING PERMIT
PERMIT#: Q01-2017072-B22

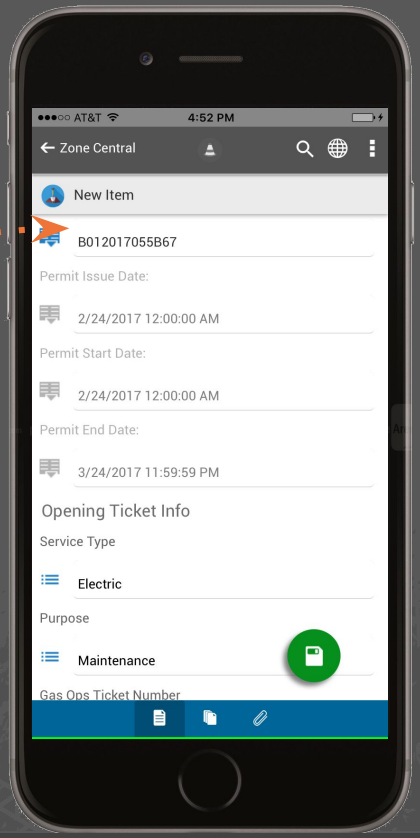
ISSUED DATE: 3/13/2017
PERMIT VALID FROM: 3/15/2017 TO: 4/13/2017
BOROUGH: QUEENS
PERMIT TYPE: 0135P - FINAL RESTORATION ONLY - PROTECTED
FEES (NON-REFUNDABLE):
ROADWAY TYPE: ASPHALT
SIDEWALK TYPE:
ADMINISTRATION FEE $135.00
TOTAL : $135.00 BILLED

PERMISSION HEREBY GRANTED TO:
NAME: CONSOLIDATED EDISON
LICENSE #: None
CONTACT NAME: EDISON CONSOLIDATED
CONTRACT #: None
PHONE: 7182227175
SPONSORING AGENCY: None
ADDRESS: 4 - IRVING PLACE NEW YORK NY 10003

TO OPEN THE ROADWAY AT:
HOUSE#: 142-17
ON STREET: HOLLY AVENUE
FROM STREET: BOWNE STREET
TO STREET: ROBINSON STREET
LOCATION DETAILS: HOLLY AVE B/T BOWNE ST & ROBINSON ST
FOR PURPOSE OF: 5697411537/TRIMESSINE TO COMPLETE FINAL RESTORATIO
RELATED AGENCY #:
FOR MAX. LENGTH OF: 25 FT
INSPECT DIST: 39
COMM. BOARD: 07
RECORDED: Note
SEQUENCE #: 0003
TRACKING #: 20170313002138

Note: If House Number is not provided Permittee shall use "Location Details" box to indicate a specific location of the work area within a block (for all non-Contract work, i.e., Contract # None).





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Success Spotlight: Paving, Opening Tickets & Work Orders

The Opening Ticket sketch form allows users to **easily draw and annotate the area to be restored,** noting each cut using the **Cut SmartObject™ symbol.**

- **Selecting the Cut Symbol** and clicking anywhere on the intersection or street segment template allows the creator to **quickly add multiple Cuts.**
- Other Drawing Tools like **lines, rectangles, dimensions,** etc. are available to make **sketching** the restoration area **easy and fast.**

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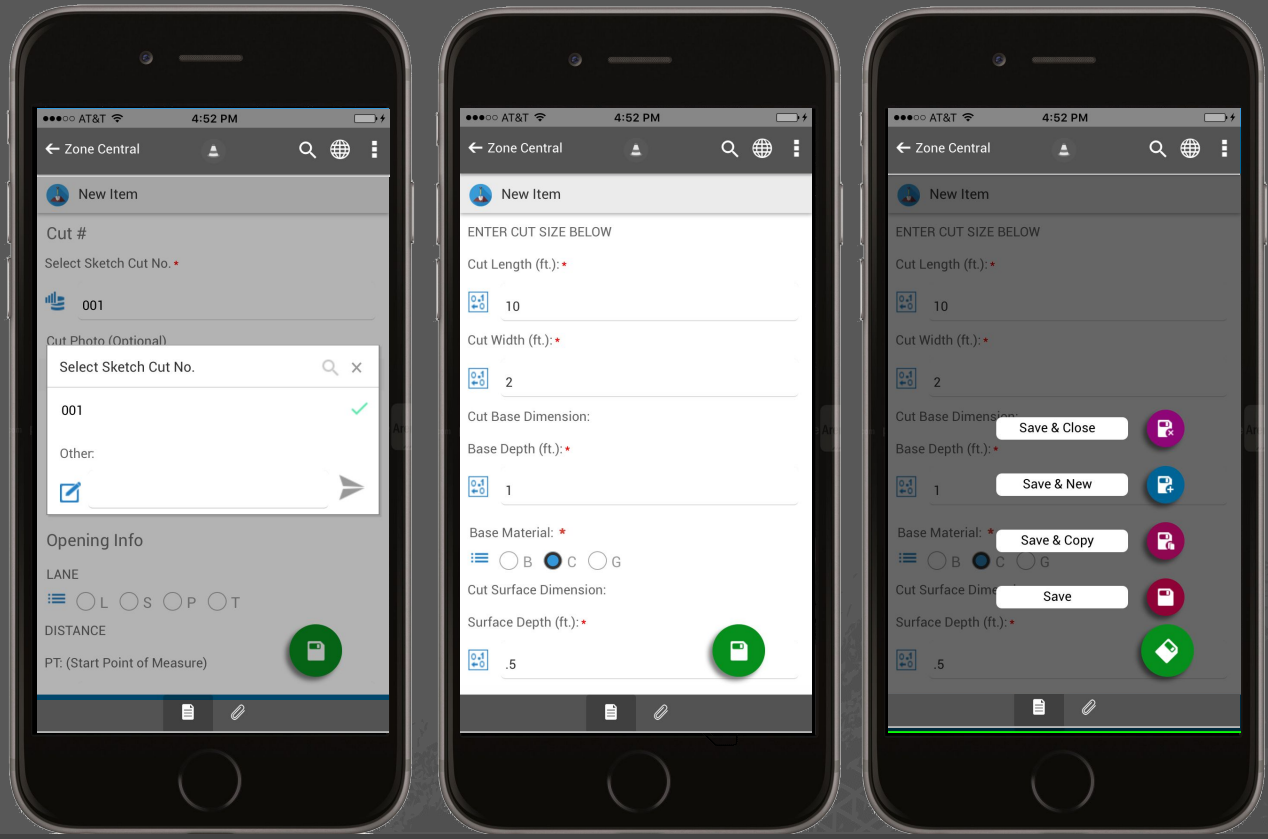
Success Spotlight: Paving, Opening Tickets & Work Orders

Cut symbols added to the Sketch are **automatically added** to the Opening Ticket - Cut Section.

- Additional cut information (dimensions, material,etc.) can easily be entered by the user.
- Once the electronic **Opening Ticket is saved**, it is automatically sent to Paving Clerks to **create & assign Contractor Paving Orders.**



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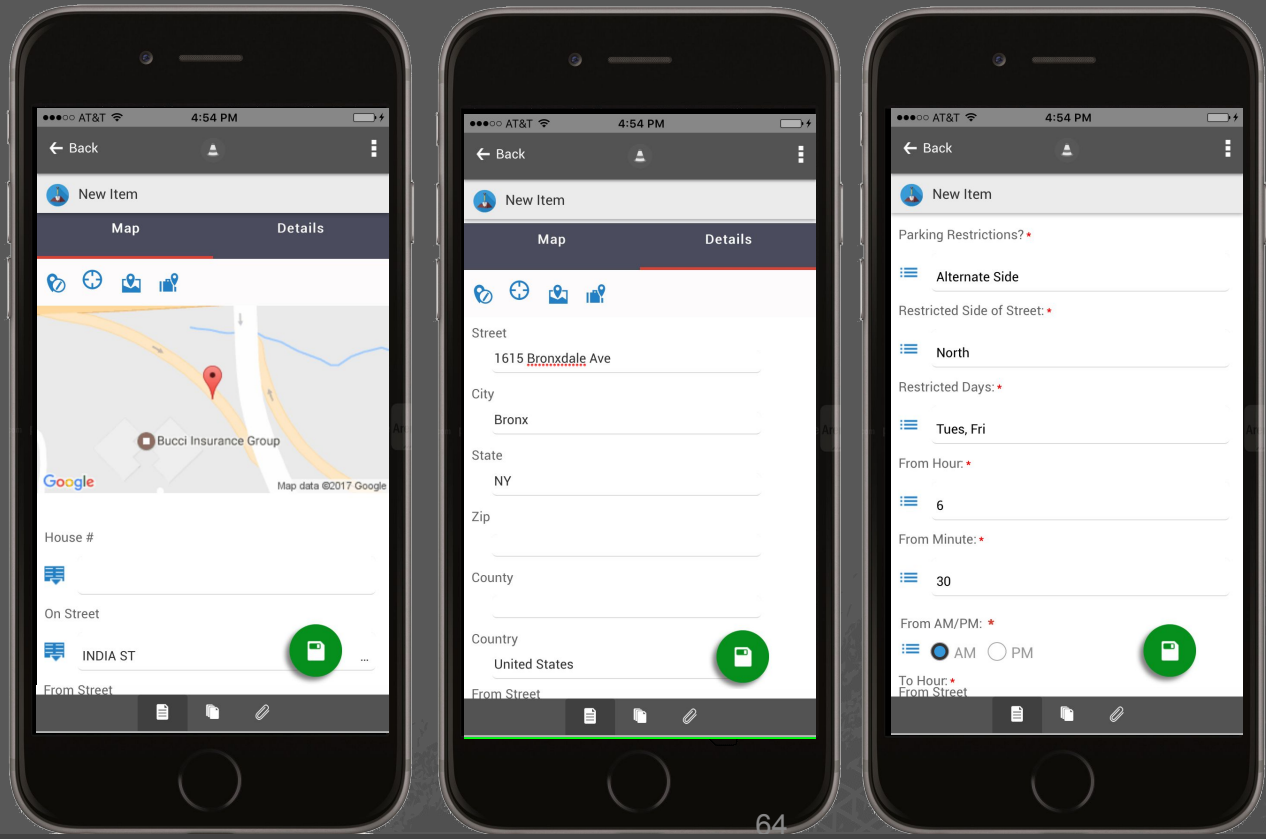
Success Spotlight: Paving, Opening Tickets & Work Orders

The Opening Ticket Form **allows the users device to pinpoint his or her current location.** The address can also be adjusted by editing the defaulted GPS.

- This **geocoded map will help tie back future Paving Orders** to the same longitude and latitude.
- **Parking Restrictions can also be noted** based on the conditions at the location.



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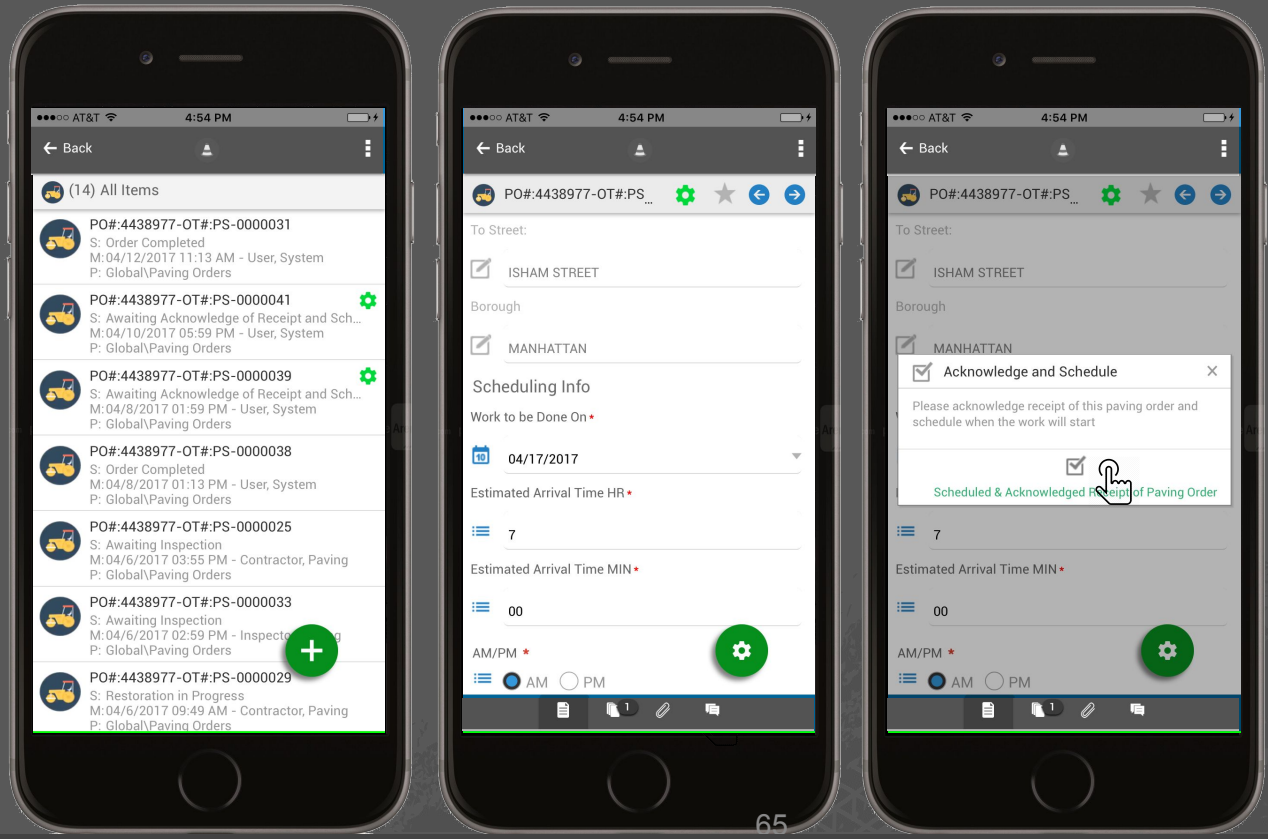
Success Spotlight: Paving, Opening Tickets & Work Orders

From the Opening Ticket form one or more Contractor **Paving Order Work Packages** can be generated by Paving Clerks that include the necessary Permits, Sketch, and Work to Perform data.

- **Contractors are able to see their assigned Paving Orders,** on their mobile devices and **acknowledge & schedule** the restoration work.



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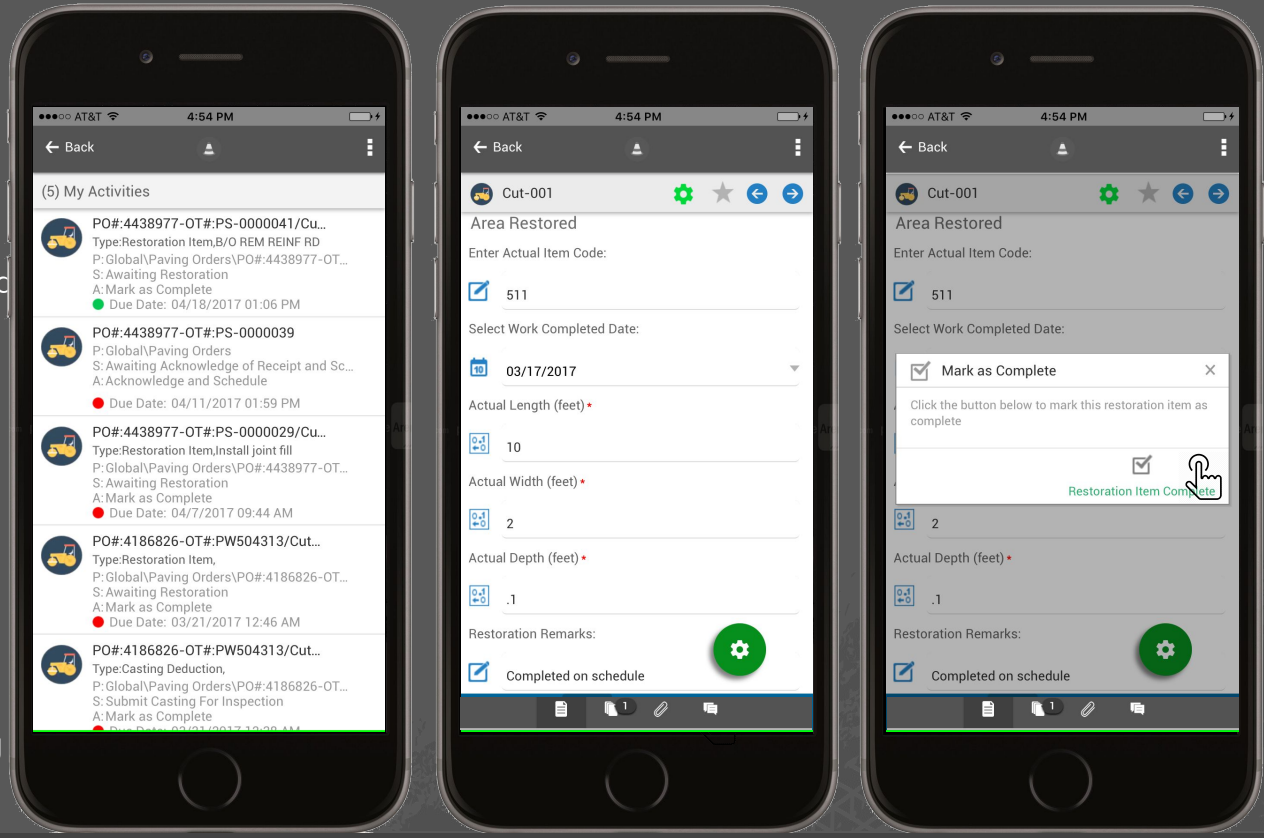
Success Spotlight: Paving, Opening Tickets & Work Orders

Once scheduled, the Paving Order is moved to “Awaiting Restoration”.

- Contractors can identify outstanding work to be completed by using their **Mobile Activity Work Queue.**
- Each Restoration Item is completed by entering the **restoration actuals.**
- The Contractor then marks the restoration as **complete by hitting the green workflow gear.**



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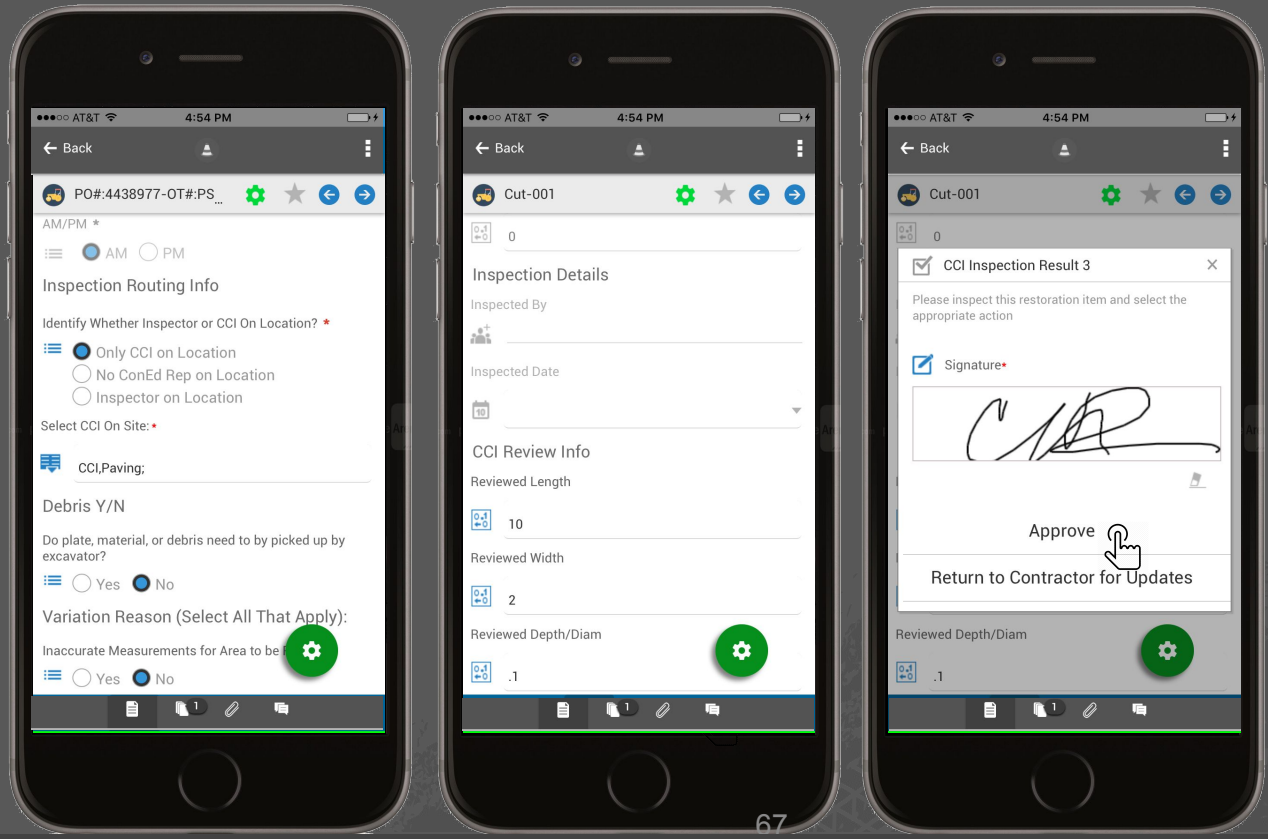
Success Spotlight: Paving, Opening Tickets & Work Orders

The Contractor identifies whether there is an Inspector or CCI on location, and selects that ConEd employee.

- Once selected, **the Inspector or CCI will be notified via email** of a pending inspection and **will have workflow to complete it.**
- **Each Restoration Item is then reviewed** and the length, width, and depth/diameter info is verified.



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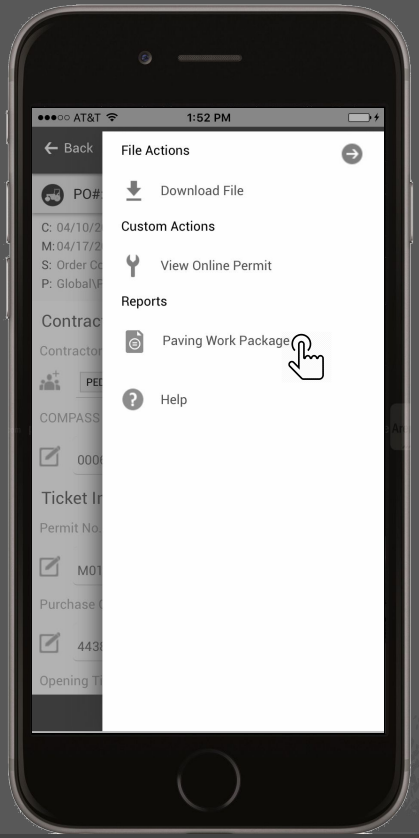
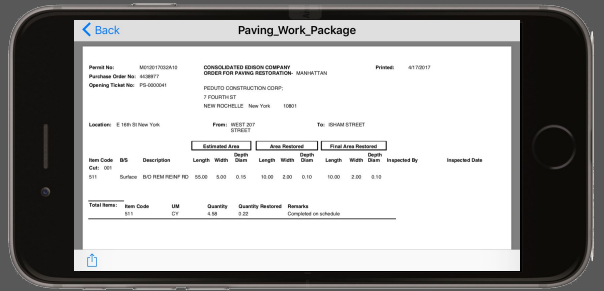
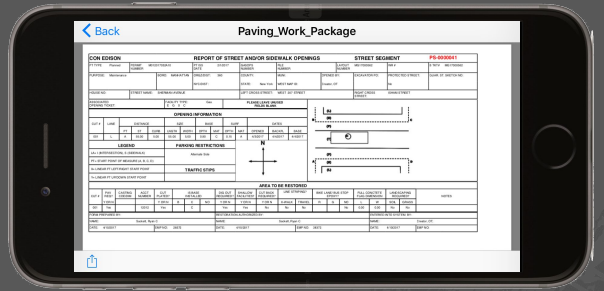
Success Spotlight: Paving, Opening Tickets & Work Orders

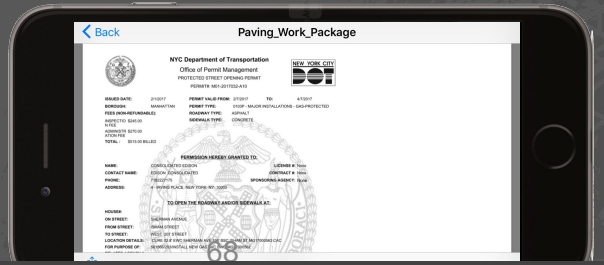
Users are able to **generate a PDF** of the **Paving Work Package** report at anytime during the restoration process.

- The **Paving Work Package** encompasses the Opening Ticket sketch, the Paving Order,, and the Permits associated.
- The **Paving Work Package** can also be accessed **at any time, on any device mobile or desktop.**.







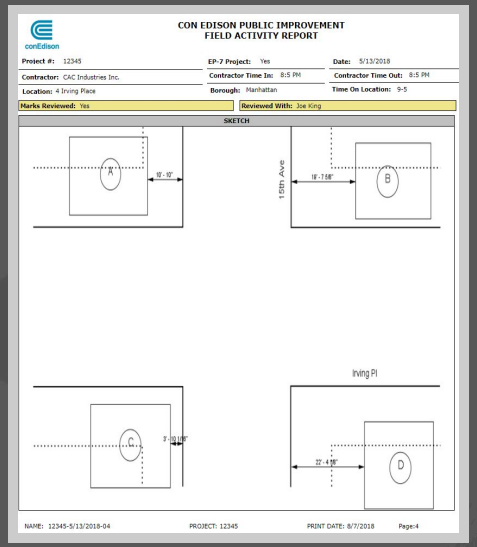


conEdison

Field Activity Report

Success Spotlight: Field Activity Report

Con Edison leveraged the SmartApp IQ:Sketch™ platform to digitize the entire **Field Activity Report** sketch form proces from **Inspectors** creating **Daily Field Activity Reports** in the field to **CCIs** reviewing & approving them.



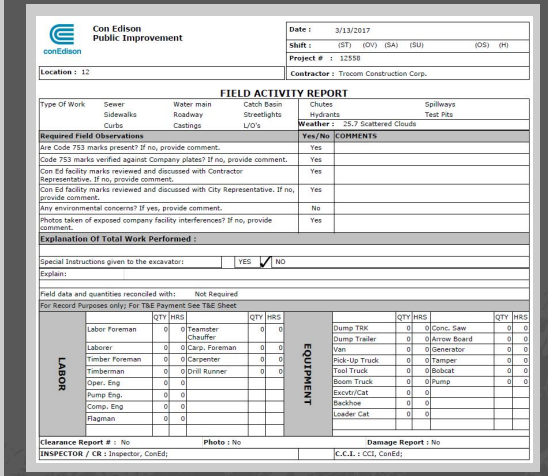
CON EDISON PUBLIC IMPROVEMENT
FIELD ACTIVITY REPORT

conEdison

Project #: 12345	EP-7 Project: Yes	Date: 5/13/2018	
Contractor: CAC Industries Inc.	Contractor Time In: 8:5 PM	Contractor Time Out: 8:5 PM	
Location: 4 Irving Place	Borough: Manhattan	Time On Location: 9-5	
Marks Reviewed: Yes	Reviewed With: Joe King		

SKETCH

NAME: 12345-5/13/2018-04 PROJECT: 12345 PRINT DATE: 8/7/2018 Page:4



Con Edison
Public Improvement

conEdison

Date : 3/13/2017	
Shift : (ST) (OV) (SA) (SU) (OS) (M)	
Project # : 12558	
Location : 12	Contractor : Trocom Construction Corp.

FIELD ACTIVITY REPORT

Type Of Work	Sewer	Water main	Catch Basin	Chutes	Spillways
	Sidewalks	Roadway	Streetlights	Hydrants	Test Pits
	Curbs	Castings	L/O's	Weather : 25.7 Scattered Clouds	

Required Field Observations	Yes/No	COMMENTS
Are Code 753 marks present? If no, provide comment.	Yes	
Code 753 marks verified against Company plates? If no, provide comment.	Yes	
Con Ed facility marks reviewed and discussed with Contractor Representative. If no, provide comment.	Yes	
Con Ed facility marks reviewed and discussed with City Representative. If no, provide comment.	Yes	
Any environmental concerns? If yes, provide comment.	No	
Photos taken of exposed company facility interferences? If no, provide comment.	Yes	

Explanation Of Total Work Performed :

Special Instructions given to the excavator: YES ☑ NO

Explain:

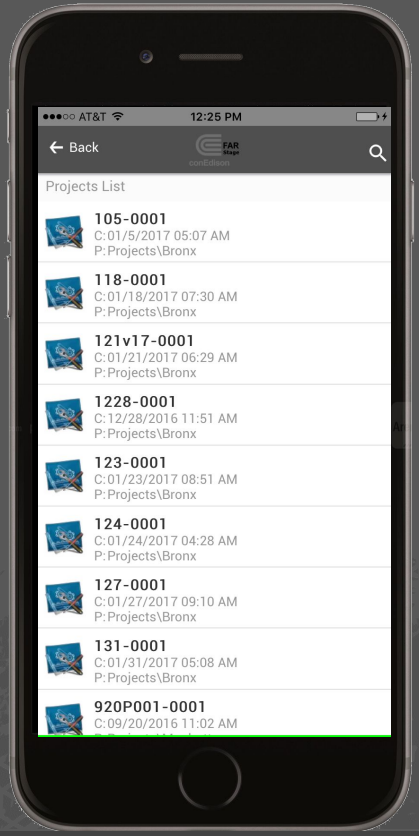
Field data and quantities reconciled with: Not Required

For Record Purposes only; For T&E Payment See T&E Sheet

LABOR	QTY	HRS		QTY	HRS	EQUIPMENT	QTY	HRS		QTY	HRS
Labor Foreman	0	0	Teamster Chauffer	0	0	Dump TRK	0	0	Conc. Saw	0	0
						Dump Trailer	0	0	Arrow Board	0	0
Laborer	0	0	Carp. Foreman	0	0	Van	0	0	Generator	0	0
Timber Foreman	0	0	Carpenter	0	0	Pick-Up Truck	0	0	Tamper	0	0
Timberman	0	0	Drill Runner	0	0	Tool Truck	0	0	Bobcat	0	0
Oper. Eng	0	0				Boom Truck	0	0	Pump	0	0
Pump Eng.	0	0				Excvtr/Cat	0	0			
Comp. Eng	0	0				Backhoe	0	0			
Flagman	0	0				Loader Cat	0	0			

Clearance Report # : No Photo : No Damage Report : No

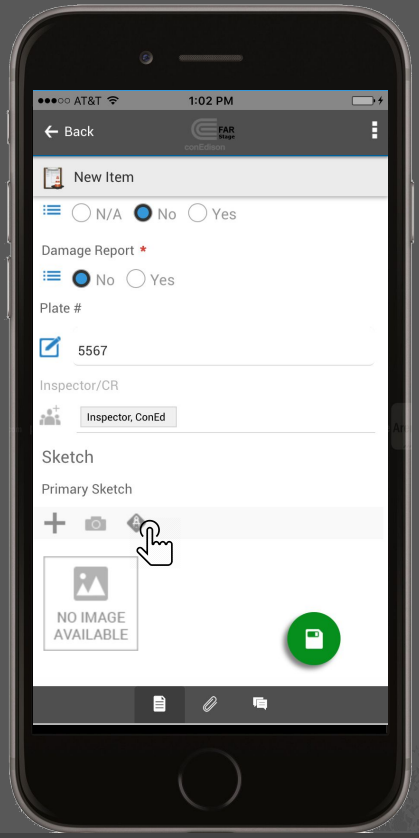
INSPECTOR / CR : Inspector, ConEd; C.C.I. : CCI, ConEd;

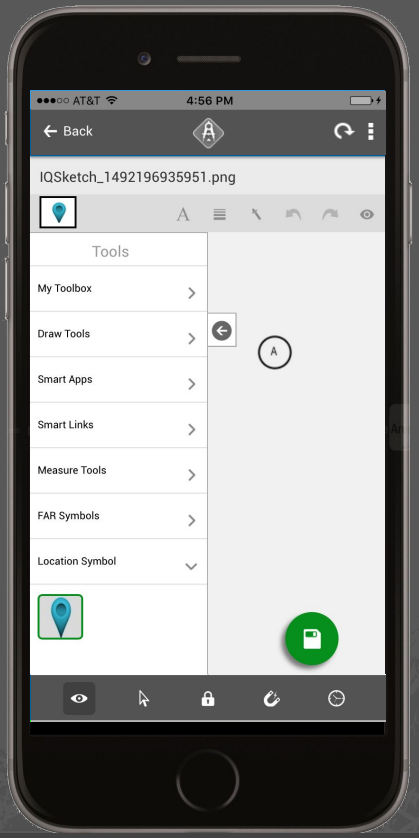


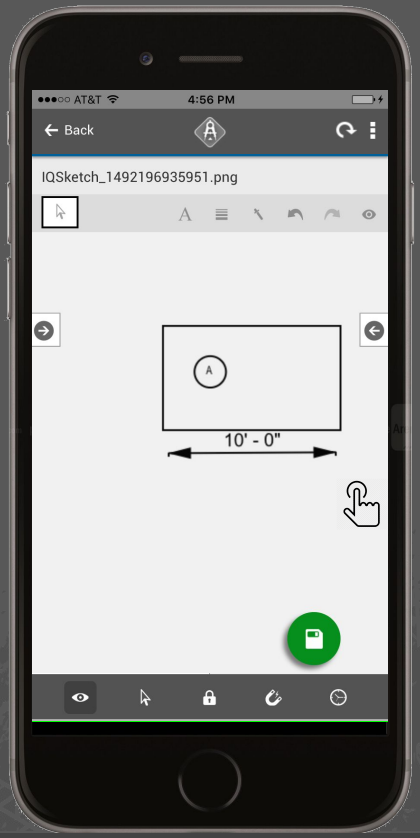
Success Spotlight: Field Activity Report

The **Inspector** creates a **FAR daily site sketch, identifying the key work area locations** with a **Location SmartObject™** symbol.

- The inspector using IQ:Sketch™ has many additional **draw tools** (lines, clouds, rectangles,notes,etc..) to help accurately depict the site.
- **Locations SmartObjects** are automatically made available in the **Billing Items** section of the FAR form.







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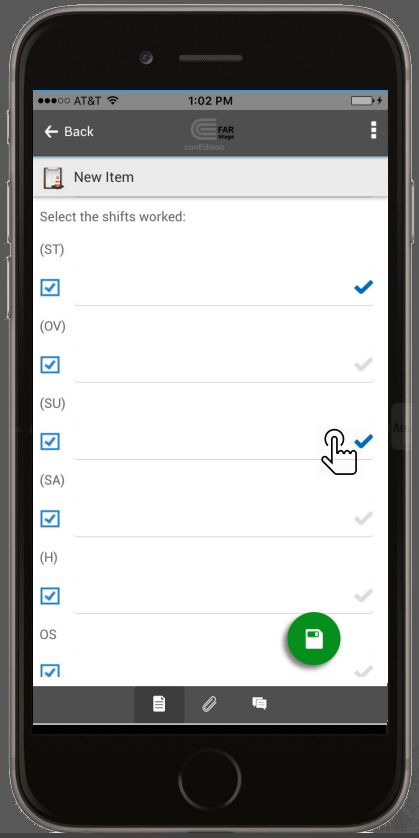
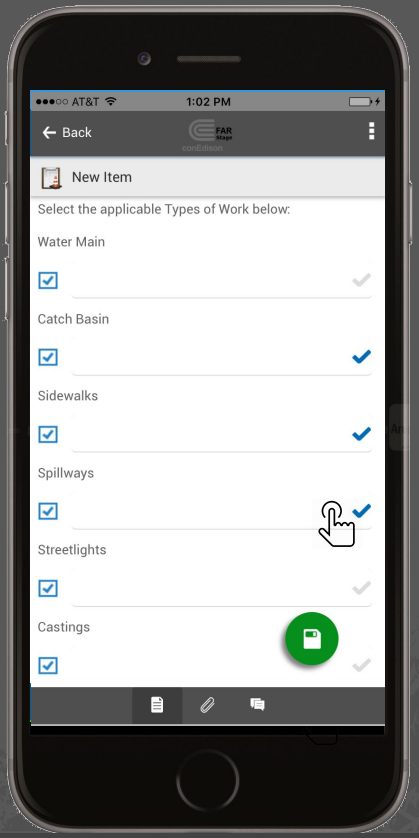
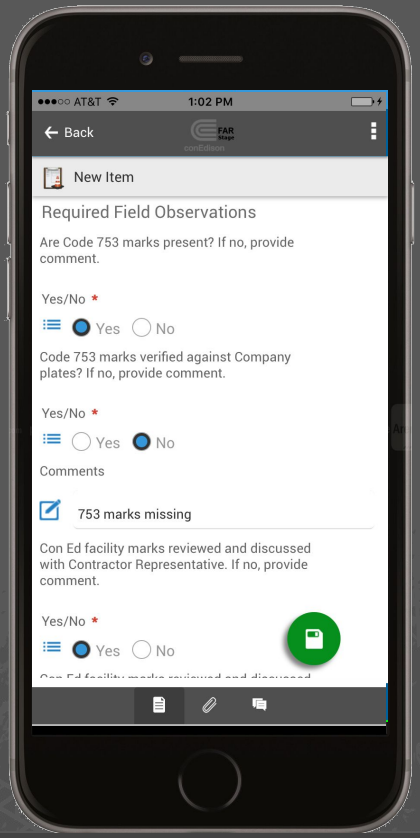
Success Spotlight: Field Activity Report

The **Inspector** completed the **FAR** Form by inputting all the additional required data.

- Sketch Form **configured data validation** & required field rules assures that Inspectors submit complete and accurate FAR reports.



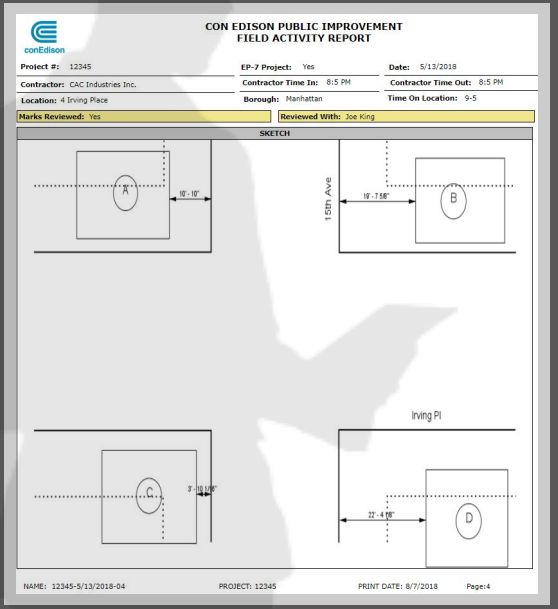




 © 2021 smartapp.com

Success Spotlight: Field Activity Report

Users are able to generate a **Field Activity Sketch Report** on their **mobile device or desktop.**



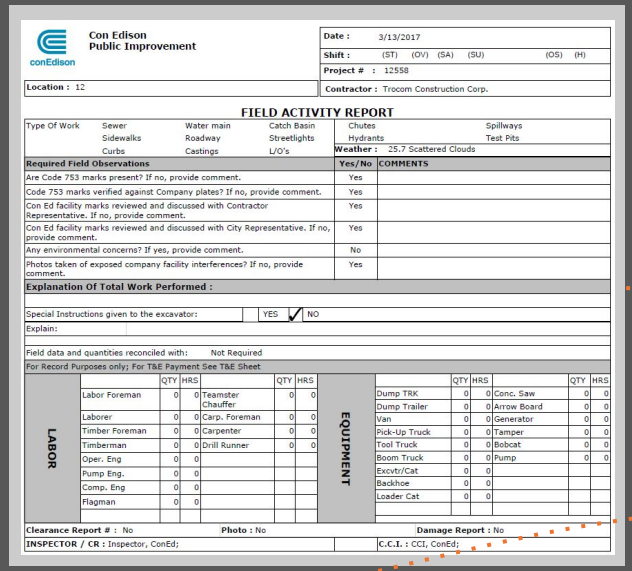
CON EDISON PUBLIC IMPROVEMENT
FIELD ACTIVITY REPORT

conEdison

Project #: 12345	**EP-7 Project:** Yes	**Date:** 5/13/2018	
Contractor: CAC Industries Inc.	**Contractor Time In:** 8:5 PM	**Contractor Time Out:** 8:5 PM	
Location: 4 Irving Place	**Borough:** Manhattan	**Time On Location:** 9-5	
Marks Reviewed: Yes	**Reviewed With:** Joe King		

SKETCH

NAME: 12345-5/13/2018-04 PROJECT: 12345 PRINT DATE: 8/7/2018 Page:4



Con Edison
Public Improvement

conEdison

Date :	3/13/2017
Shift :	(ST) (OV) (SA) (SU) (OS) (H)
Project # :	12558
Location :	12
Contractor :	Trocom Construction Corp.

FIELD ACTIVITY REPORT

Type Of Work	Sewer	Water main	Catch Basin	Chutes	Spillways
	Sidewalks	Roadway	Streetlights	Hydrants	Test Pits
	Curbs	Castings	L/O's	**Weather :** 25.7 Scattered Clouds	

Required Field Observations	Yes/No	COMMENTS
Are Code 753 marks present? If no, provide comment.	Yes	
Code 753 marks verified against Company plates? If no, provide comment.	Yes	
Con Ed facility marks reviewed and discussed with Contractor Representative. If no, provide comment.	Yes	
Con Ed facility marks reviewed and discussed with City Representative. If no, provide comment.	Yes	
Any environmental concerns? If yes, provide comment.	No	
Photos taken of exposed company facility interferences? If no, provide comment.	Yes	

Explanation Of Total Work Performed :

Special Instructions given to the excavator: YES ☑ NO

Explain:

Field data and quantities reconciled with: Not Required

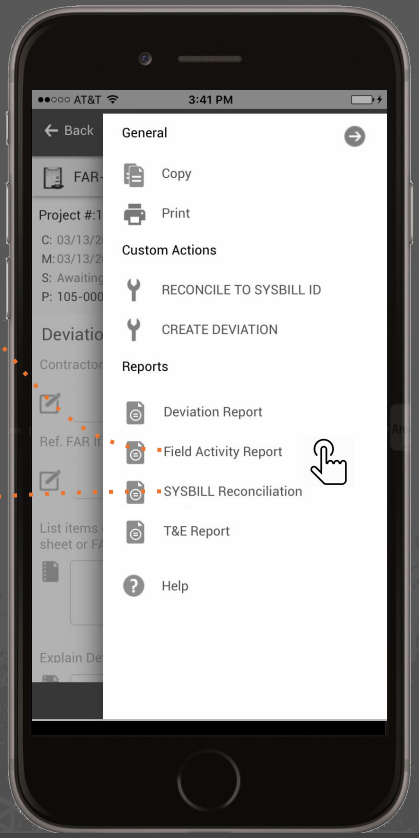
For Record Purposes only; For T&E Payment See T&E Sheet

LABOR	QTY	HRS		QTY	HRS
Labor Foreman	0	0	Teamster Chauffer	0	0
Laborer	0	0	Carp. Foreman	0	0
Timber Foreman	0	0	Carpenter	0	0
Timberman	0	0	Drill Runner	0	0
Oper. Eng	0	0			
Pump Eng.	0	0			
Comp. Eng	0	0			
Flagman	0	0			

EQUIPMENT	QTY	HRS		QTY	HRS
Dump TRK	0	0	Conc. Saw	0	0
Dump Trailer	0	0	Arrow Board	0	0
Van	0	0	Generator	0	0
Pick-Up Truck	0	0	Tamper	0	0
Tool Truck	0	0	Bobcat	0	0
Boom Truck	0	0	Pump	0	0
Excvtr/Cat	0	0			
Backhoe	0	0			
Loader Cat	0	0			

Clearance Report # : No **Photo :** No **Damage Report :** No

INSPECTOR / CR : Inspector, ConEd; **C.C.I. :** CCI, ConEd;



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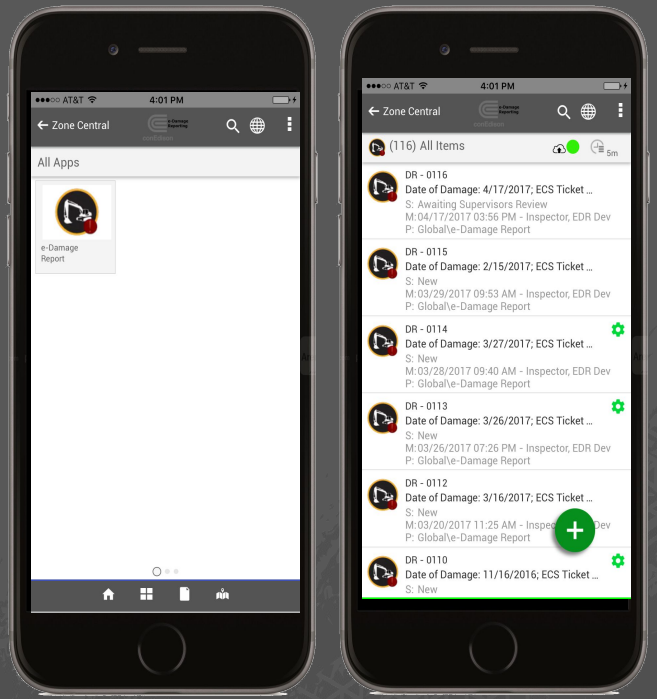
E-Damage Reporting

Success Spotlight: E-Damage Reporting

Con Edison leveraged the SmartApp IQ:Sketch™ platform to digitize the entire **e-Damage** sketch form workstream process from **First Responder** to **Legal.**

- Inspectors & First Responders have access to the **e-Damage** form on their mobile devices..
- From the **e-Damage** form, Inspectors can quickly sketch the scene of the event & enter all related damage information.
- **By simply clicking the green + button,** a new **e-Damage** input form will be displayed to fill in.



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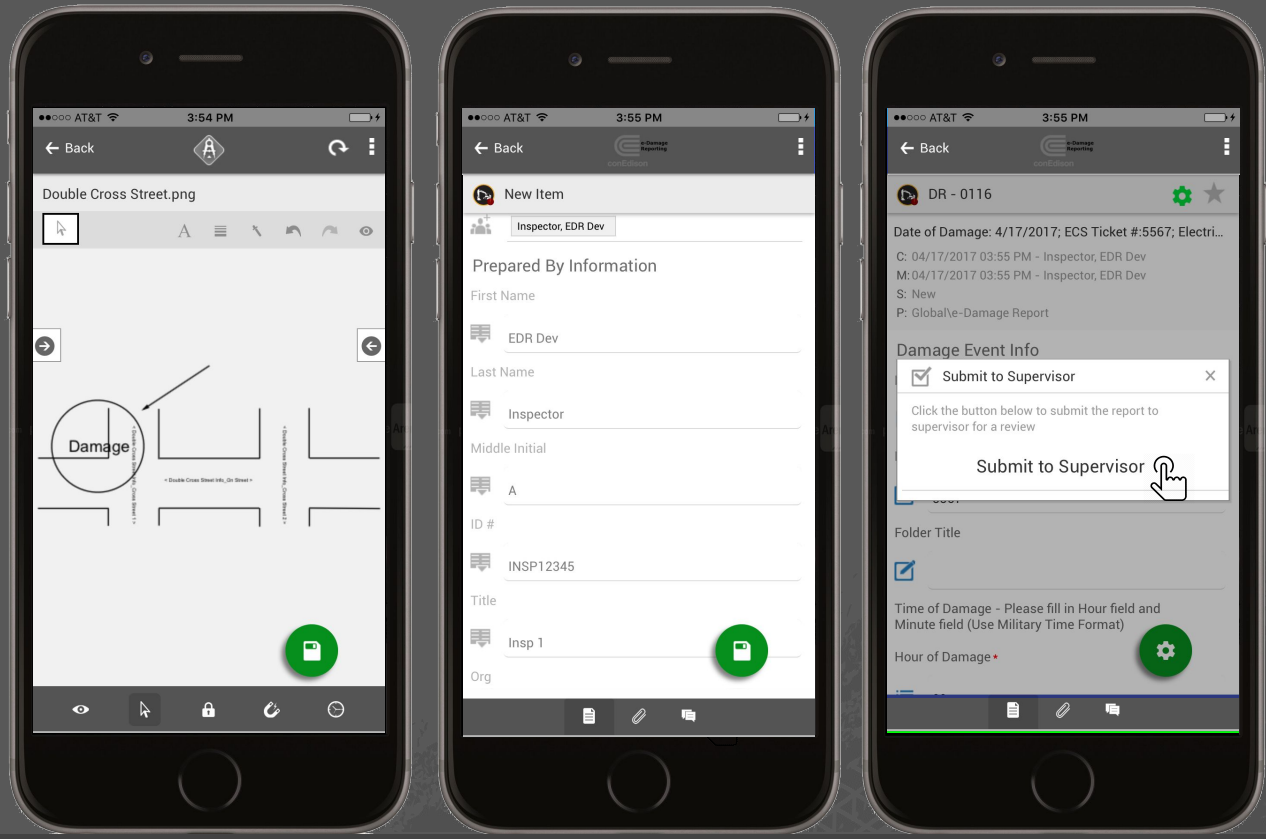
Success Spotlight: E-Damage Reporting

Utilizing **IQ:Sketch™** the damaged area can be drawn. With a variety of drawing tools, Inspectors can **quickly and easily draw** the site of the damage.

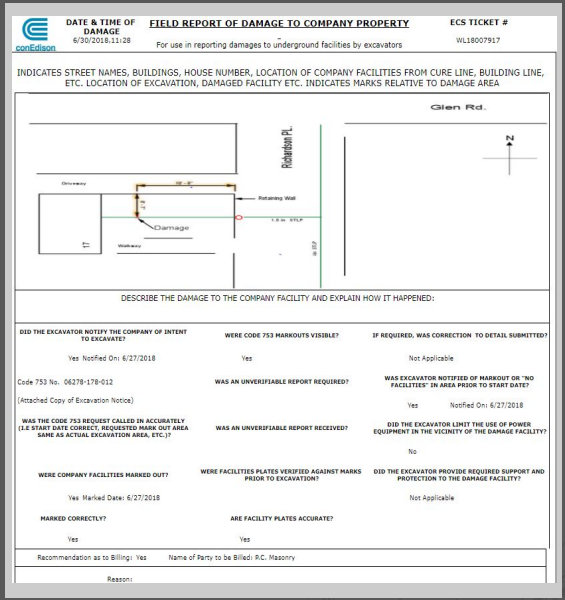
- At the bottom of the e-Damage Report, the **Inspector** and his or her **Supervisor and Manager information is automatically populated** in the form.
- The Inspector saves the report, then hits the **green workflow gear to Submit to Supervisor.**



Success Spotlight: E-Damage Reporting

Damage Supervisors will see a **green workflow gear** for any damages reported awaiting their review.

- Supervisors can at anytime review the completed e-Damage report form with all related **sketches & photos.**
- Supervisors can **send the e-Damage report back to the Inspector** or send it **to the Manager.**
- Managers have a similar step where they can **send back to the Supervisor, Close with No Bill Recommendation, or Send to Damage Coordinator.**



conEdison

DATE & TIME OF DAMAGE 6/30/2018.11:28

FIELD REPORT OF DAMAGE TO COMPANY PROPERTY

For use in reporting damages to underground facilities by excavators

ECS TICKET # WL18007917

INDICATES STREET NAMES, BUILDINGS, HOUSE NUMBER, LOCATION OF COMPANY FACILITIES FROM CURE LINE, BUILDING LINE, ETC. LOCATION OF EXCAVATION, DAMAGED FACILITY ETC. INDICATES MARKS RELATIVE TO DAMAGE AREA

Glen Rd.

Richardson Pl.

Retaining Wall

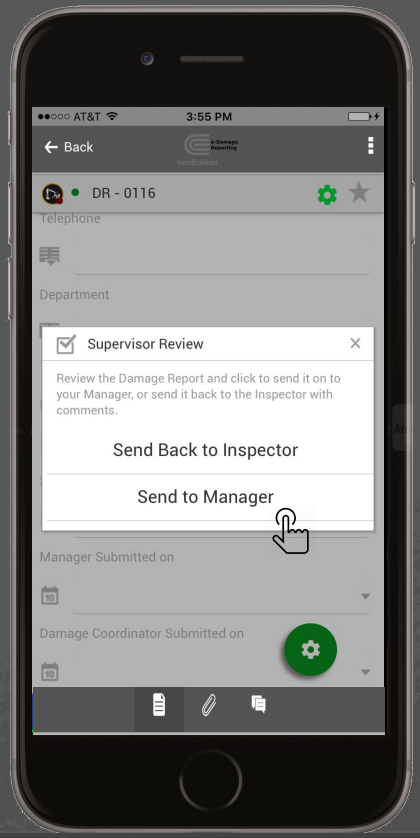
Damage

DESCRIBE THE DAMAGE TO THE COMPANY FACILITY AND EXPLAIN HOW IT HAPPENED:

DID THE EXCAVATOR NOTIFY THE COMPANY OF INTENT TO EXCAVATE?	WERE CODE 753 MARKOUTS VISIBLE?	IF REQUIRED, WAS CORRECTION TO DETAIL SUBMITTED?
Yes Notified On: 6/27/2018	Yes	Not Applicable
Code 753 No. 06278-178-012 (Attached Copy of Excavation Notice)	WAS AN UNVERIFIABLE REPORT REQUIRED?	WAS EXCAVATOR NOTIFIED OF MARKOUT OR "NO FACILITIES" IN AREA PRIOR TO START DATE? Yes Notified On: 6/27/2018
WAS THE CODE 753 REQUEST CALLED IN ACCURATELY (I.E START DATE CORRECT, REQUESTED MARK OUT AREA SAME AS ACTUAL EXCAVATION AREA, ETC.)?	WAS AN UNVERIFIABLE REPORT RECEIVED?	DID THE EXCAVATOR LIMIT THE USE OF POWER EQUIPMENT IN THE VICINITY OF THE DAMAGE FACILITY? No
WERE COMPANY FACILITIES MARKED OUT? Yes Marked Date: 6/27/2018	WERE FACILITIES PLATES VERIFIED AGAINST MARKS PRIOR TO EXCAVATION?	DID THE EXCAVATOR PROVIDE REQUIRED SUPPORT AND PROTECTION TO THE DAMAGE FACILITY? Not Applicable
MARKED CORRECTLY? Yes	ARE FACILITY PLATES ACCURATE? Yes	

Recommendation as to Billing: Yes Name of Party to be Billed: R.C. Masonry

Reason:



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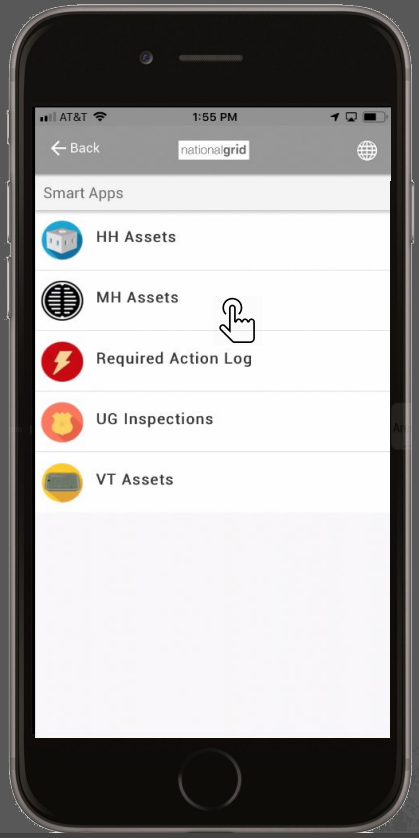
nationalgrid

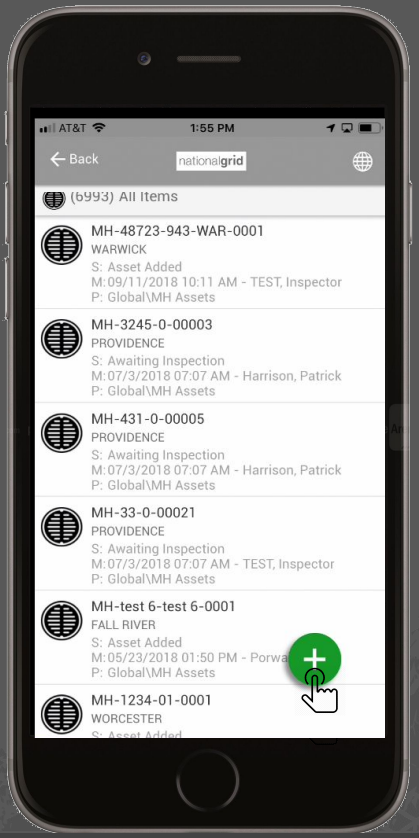
Underground Manhole Inspections

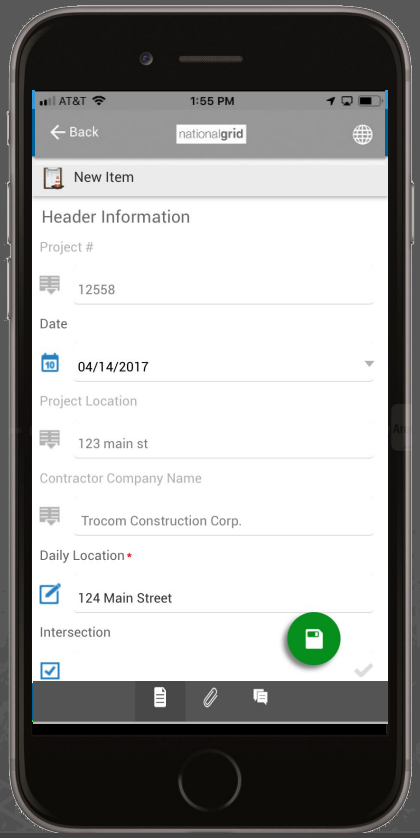
Success Spotlight: Underground Manhole Inspections

The **Inspector** completed the **Underground Inspection** Form by inputting all the additional required data.

- Meta Data Property Form **configured data validation** & required field rules assures that Inspectors submit complete and accurate Inspection reports.







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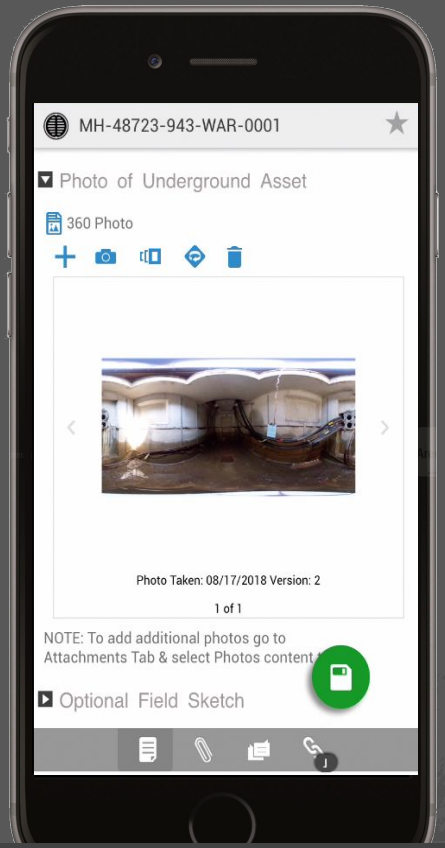
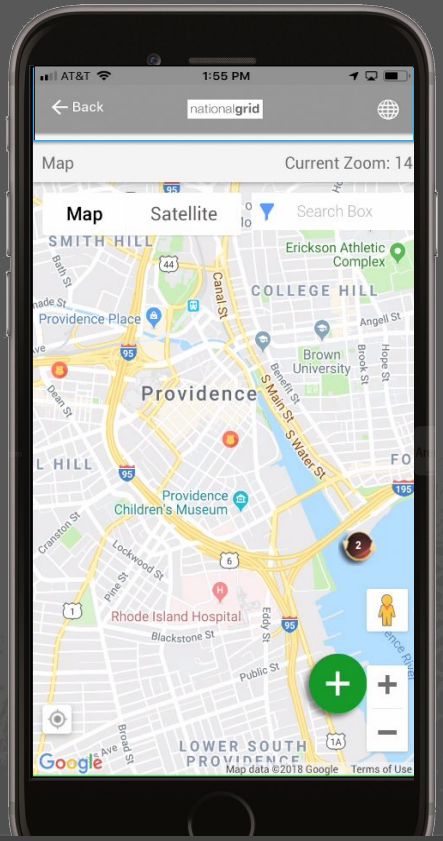
Success Spotlight: Underground Manhole Inspections

The **Inspector** completed the **inspection** Form by inputting all the additional required data.

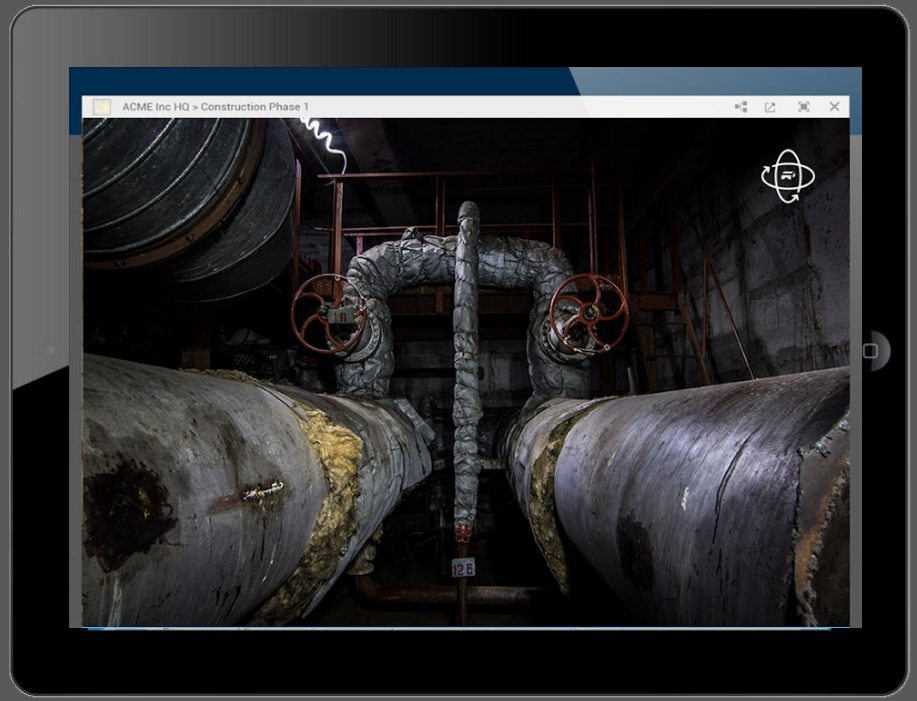
- Form **configured for 360° photos** & required field rules assures that Inspectors submit complete and accurate and media rich inspection reports.
- Locations Map mode on mobile showing **mapped assets**





Success Spotlight: Underground Manhole Inspections

- **AutoCapture 360 images from Map Mode**, Drive or directly onto Sketches. Great for inspections or as condition field documentation. (Manholes, Trenches, Installs,etc.)
- **View, Spin, Zoom & Markup 360 images** on any device (iOS, Android, Desktop)
- Create & Publish **TimeLapse videos** (.mp4) that capture change overtime in a specific location.
- **Pin SmartObjects™** directly onto 360 images



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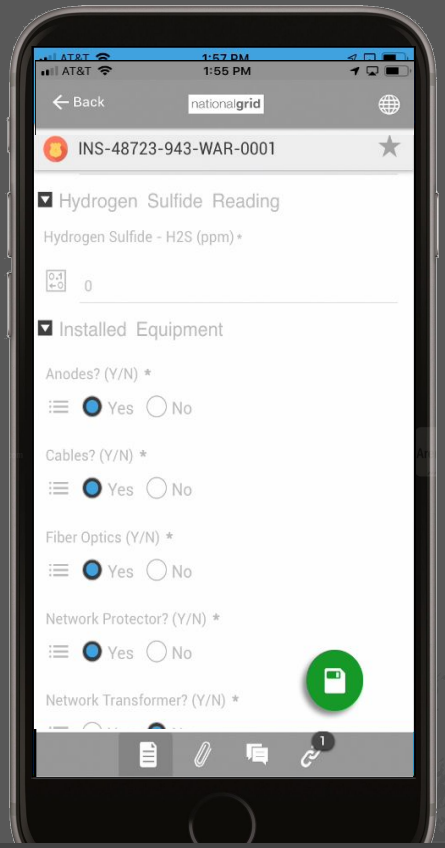
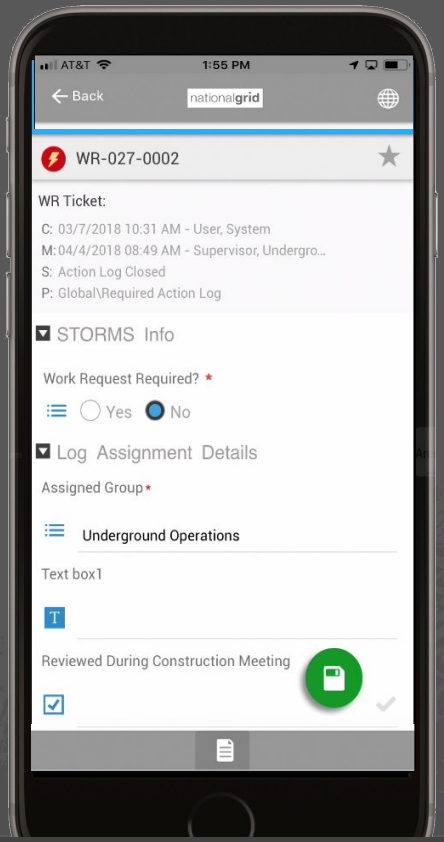
Success Spotlight: Underground Manhole Inspections

The **Inspector** completed the **inspection** Form by inputting all the additional required data.

- ❏ **Inspection app** property page on mobile
- ❏ **Requires Action log** property page on mobile





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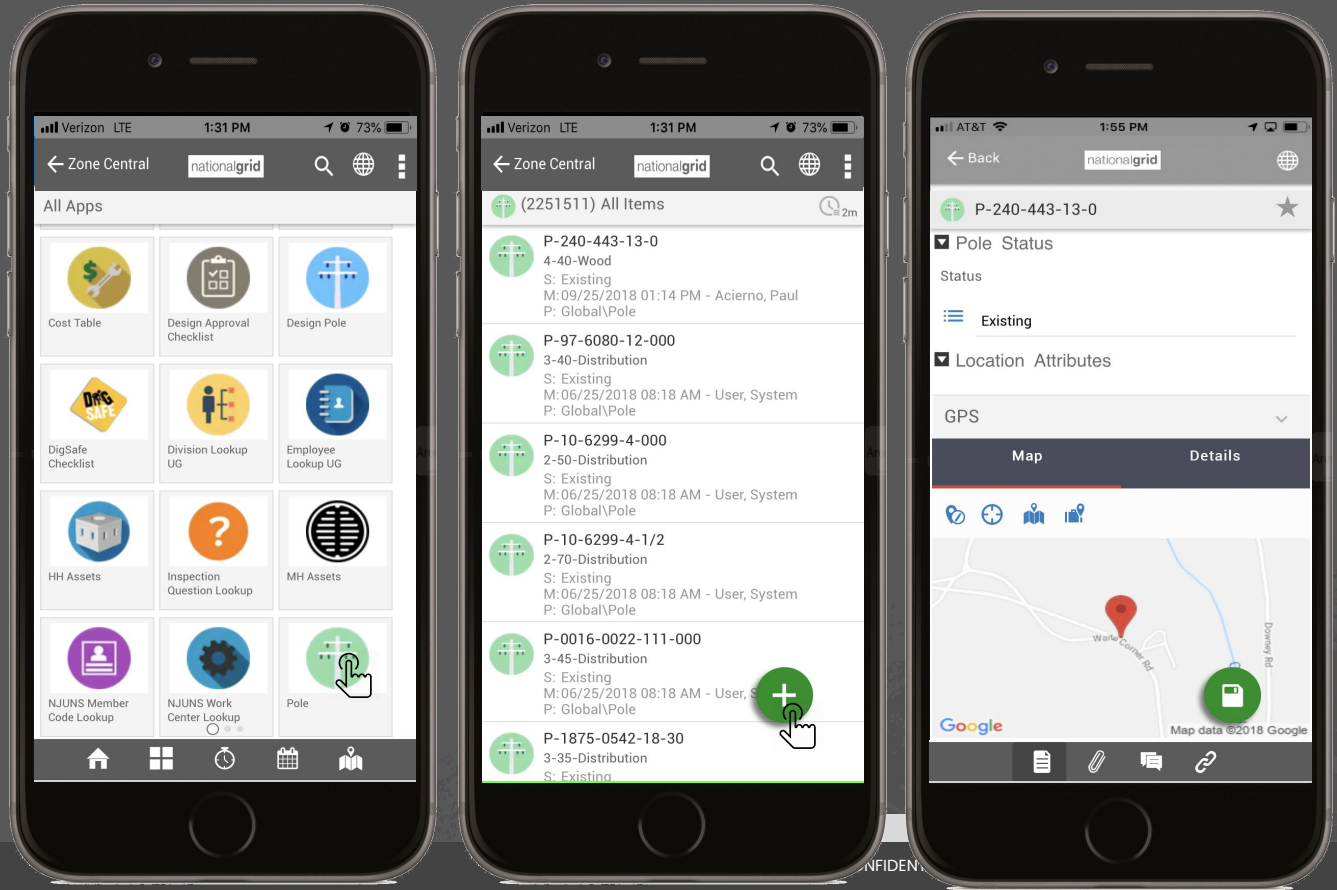
Pole Lifecycle Management (PLM)

Success Spotlight: Pole Lifecycle Management

The **Designer** in PLM app **geo maps** the electrical poles with its metadata

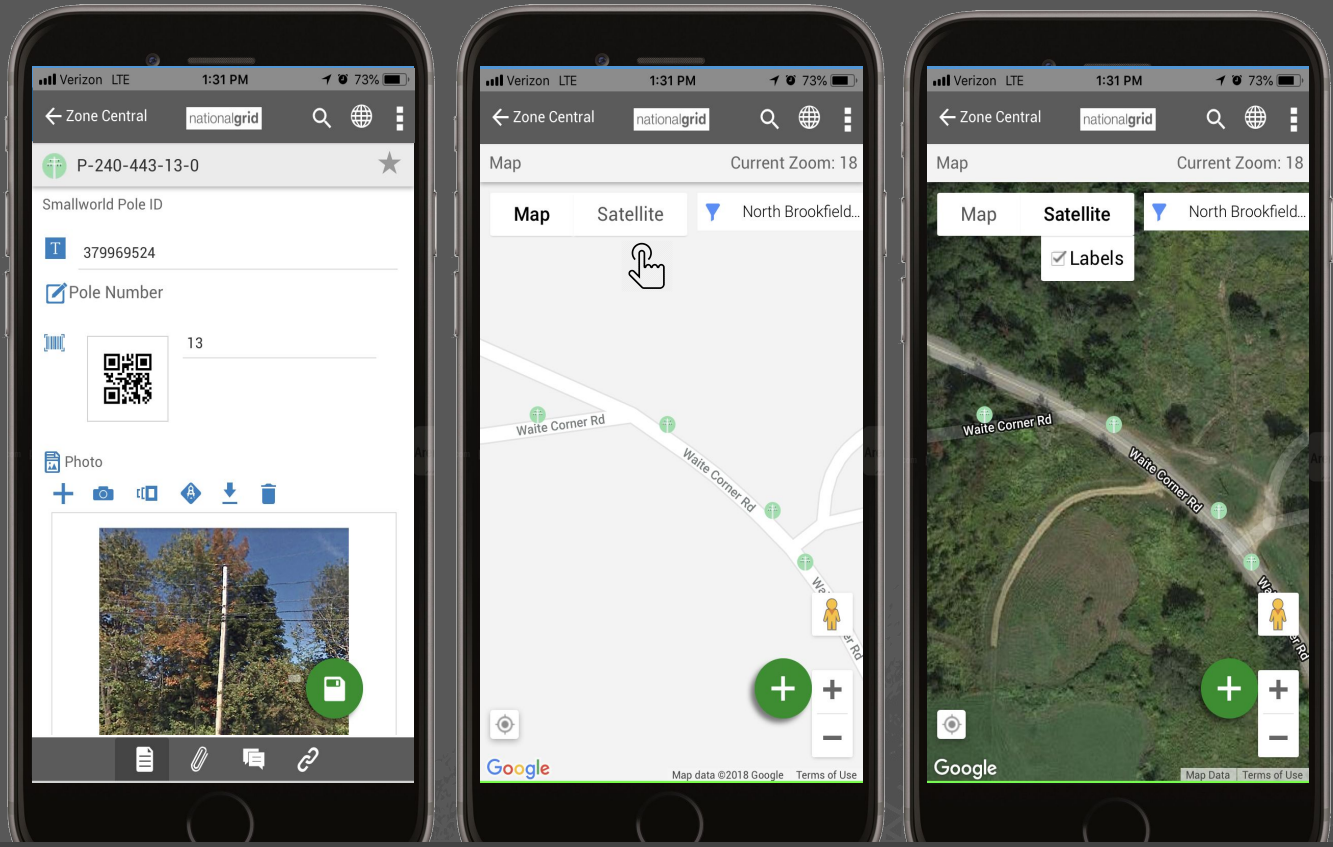
- Locations Map component on property page showing **mapped pole assets**



Success Spotlight: Pole Lifecycle Management

The **Designer** completed the **Pole Details** Form by inputting all the additional required data.

- Form **Scan Barcode** & **media attachments** assures that designers submit complete and accurate and media rich asset data.
- Locations Map mode on mobile showing **mapped assets**



Success Spotlight: Pole Lifecycle Management

The **Inspector** completed the **inspection** Form by inputting all the additional required data.

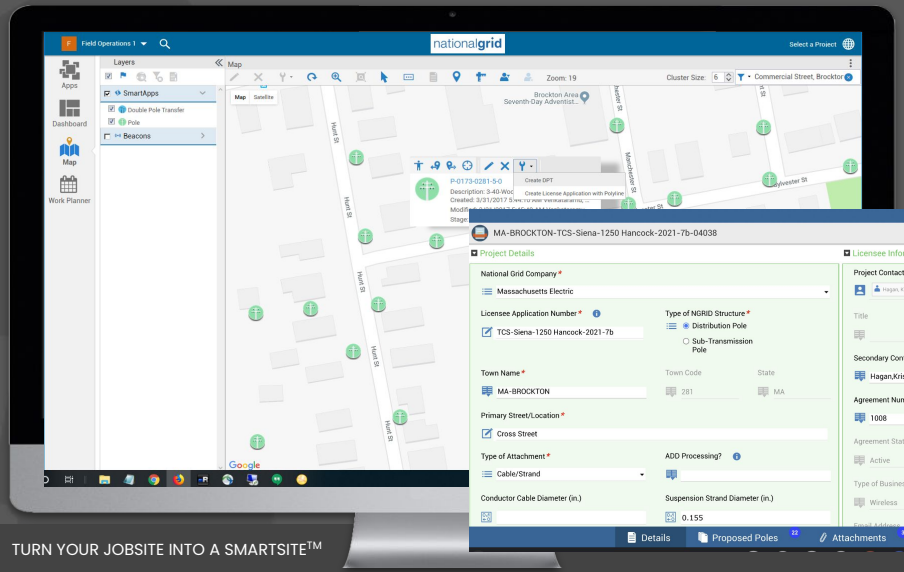
- The map with pinned items to location can trigger it's **contextual actions** for its metadata and navigation

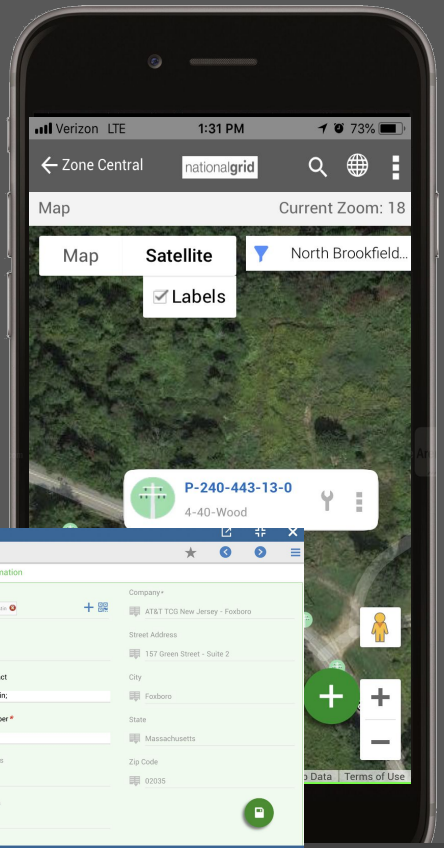
nationalgrid

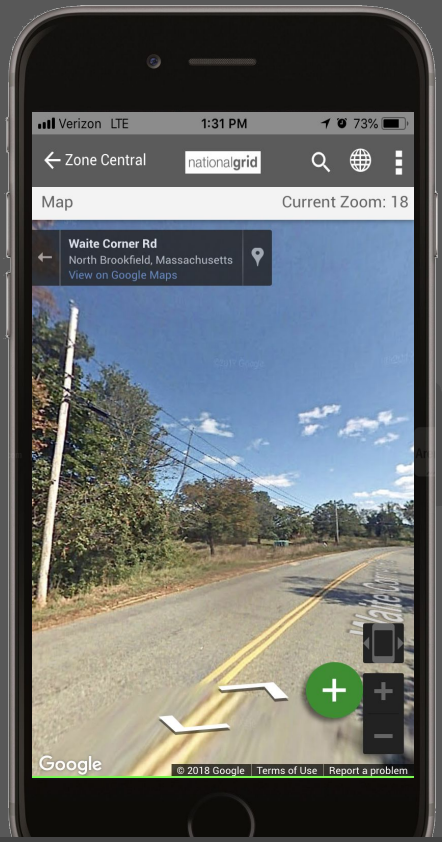
3rd Party Licensing Automation

Success Spotlight: 3rd Party Licensing

Powered by a **SMALLWORLD** integration 3rd Party Attachees can securely login to a portal that allows them to quickly, and accurately submit by selecting poles from **Map Mode. Submitted** 3rd Party Licensing requests auto-route for approval, delivery and payment reconciliation t.







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