



Virtual Brew:
Mornings with AI

FDC Maps: Optimizing Your Survey Experience

Patrick McLellan
Product Manager

What are we trying to Accomplish?

Use Case: As a user, I need to be able to send my facilities with the correct data and survey fields in an efficient order to FDC, so that I can optimize my survey experience by taking full advantage of FDC mapping and navigation capabilities

Steps to Optimize Your Maps in FDC

1. Survey Setup to Optimize Maps

- Field/Prompt Setup

2. Custom Routes –Survey Manager/FDC

3. Key Features in FDC Maps

- Missing Sites
- Zoom to Extend
- Pin Navigation

F21212

4. Survey Navigation features

- Turn-by-Turn Directions
- Bearing to Distance

5. Q&A

PCS: Survey Setup To Optimize Maps

Facility Information Fields

Row Code/Pipe
 Milepost
 Location Description
 Address F2f2f2

Facility Information GPS Fields

Elevation
 Latitude
 Longitude

The screenshot displays the 'Cathodic Protection Data Manager (CPDM)' software interface. The main window shows a table of test point data with columns for ROW Code and Pipe, Milepost, Location Description, Address, Elevation, Latitude, Longitude, Effective Date, Facility Active, Test Point Protection Criteria, Activate Structure P/S, and Activate Casing P. Below the table, there are two detail panels: 'Test Point Detail Information' and 'Facility Level Override'.

ROW Code and Pipe	Milepost	Location Description	Address	Elevation	Latitude	Longitude	Effective Date	Facility Active	Test Point Protection Criteria	Activate Structure P/S	Activate Casing P
T-1403	0.000	MLV 0.00-51-V		653	29.42685127	-98.39151001	12/30/2020	<input checked="" type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input type="checkbox"/>
T-1403	0.000A	Greenview Ave.- E...						<input type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T-1403	0.000B							<input type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T-1403	0.010	E. Property valve-C...		650	29.42774010	-98.39016724		<input type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T-1403	0.050	Station		647	29.42675591	-98.38761139		<input type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T-1403	0.100	22" at Scraper Tra...		642	29.42673874	-98.38633728		<input type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T-1403	0.150	suction line		643	29.42674637	-98.38475037		<input type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input type="checkbox"/>
T-1403	0.200	10" W. of scraper		646	29.42673492	-98.38391113		<input type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input type="checkbox"/>
T-1403	0.250	6" valve		648	29.42672920	-98.38293457		<input type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input type="checkbox"/>
T-1403	0.450	TS on Greenview rd		649	29.42668533	-98.38172150		<input checked="" type="checkbox"/>	.85 IRF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T-1403	0.500	oz bu-2		651	29.42661476	-98.38056946		<input checked="" type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T-1403	0.507	PL Xing		654	29.42660904	-98.37932587		<input checked="" type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input type="checkbox"/>
T-1403	0.607	Pig Trap & Sta.		652	29.42655945	-98.37818146		<input checked="" type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T-1403	1.059	Railroad		656	29.42649651	-98.37705231		<input checked="" type="checkbox"/>	.85 On	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
T-1403	1.350	Xing Plains 4";		657	29.42655660	-98.37645722		<input checked="" type="checkbox"/>	.85 IRF	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Test Point Detail Information

Name	Sub Facility Active	PCS Field Name

Facility Level Override

Selected	Scheduling Type Name	Last Inspection Date	Due Dates	Due Dates Note
<input checked="" type="checkbox"/>	Yes	Test Point	3/4/2019	1/2024 [Del 4/1/20... No Last Inspection in Current A...

PCS: Survey Setup To Optimize Maps

Survey Prompt Setup

- Information Fields
 - Row Code/Pipe
 - Milepost
 - Location Description
 - Address
 - Elevation F21212
 - Latitude
 - Longitude
- Showcase Fields
 - Row Code/Pipe
 - Milepost
 - Location Description
 - Address

The screenshot displays the PCS software interface for setting up a survey prompt. The main window is titled 'Field Computer Send' and includes a menu bar with options like 'File', 'Modules', 'Data Entry', 'Reports / Graphs', 'Tools', 'Field Computer', and 'Help'. The interface is organized into several panels:

- Prompts:** Field Computer Send. Includes a 'Select Prompt Theme' dropdown set to '[PCS] Field Computer Prompt' and a checked option 'Show Facility Type On Field Computer'. A 'Select Facility Type' dropdown is set to 'Test Point'.
- Pages:** A grid of buttons numbered 1 through 8.
- Facility, Information and ROW Fields:** A search bar and a list of fields with checkboxes: 'ROW Permanent Information Fields', 'Test Point Facility Fields', and 'Test Point Information Fields'.
- Inspection and Maintenance Fields:** A search bar and a list of fields with checkboxes: 'Test Point Inspection Fields', 'Test Point Subfacility Information Fields', 'Test Point Subfacility Inspection Fields', and 'Test Point Maintenance Fields'.
- Test Point Detail Inspection Records:** A section titled 'Number Of Templates' with a list of fields: 'Structure P/S', 'Casing P/S', 'Foreign P/S', 'Insulator P/S', 'Inspection Remarks', and 'Technician'.
- Site Settings:** A section with a 'Site List' table and a 'Showcase Fields' label. The table lists: 1. ROW Code and Pipe, 2. Milepost, 3. Facility ID, 4. Location Description.

A red arrow points to the 'GPS Fields' section, which includes 'Elevation', 'Latitude', and 'Longitude'. Another red arrow points to the 'Showcase Fields' section in the 'Site Settings' area.

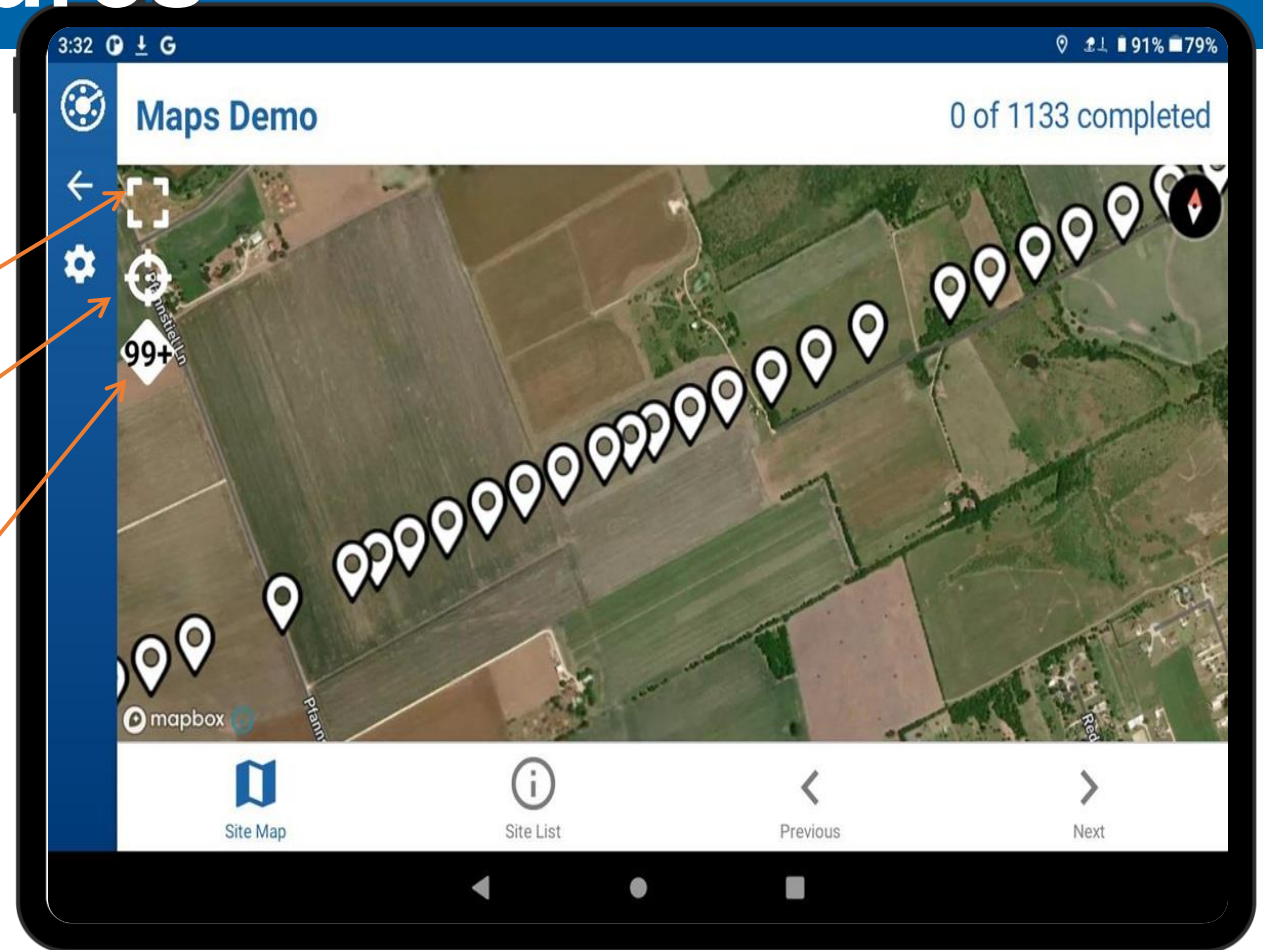
Survey Manager: Custom Routes

- Map selection of sites for custom routes
- Survey creation based on map selection



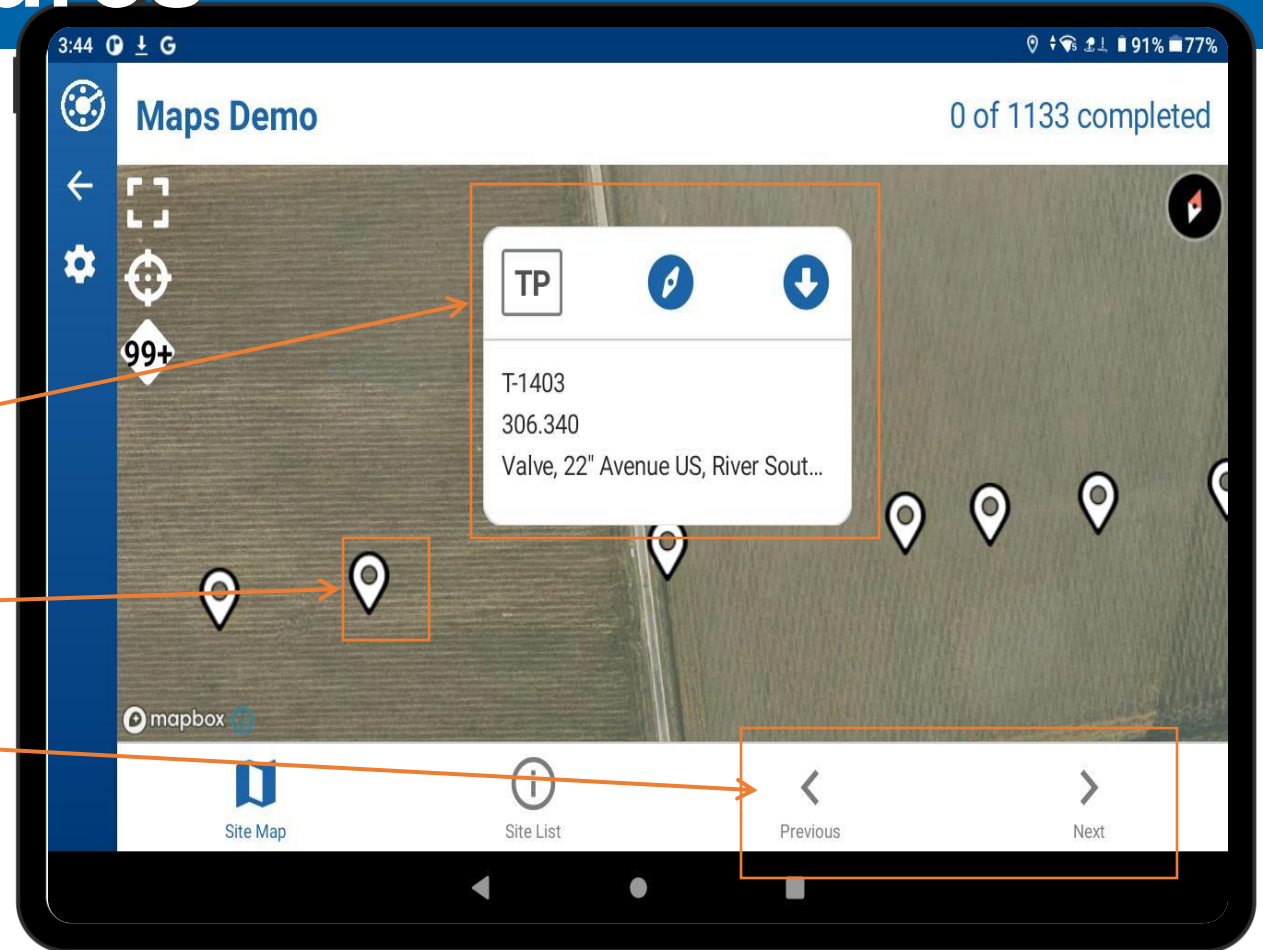
FDC Map: Key Features

- Zoom to Extent
- Current Location
- Missing Sites Indicator



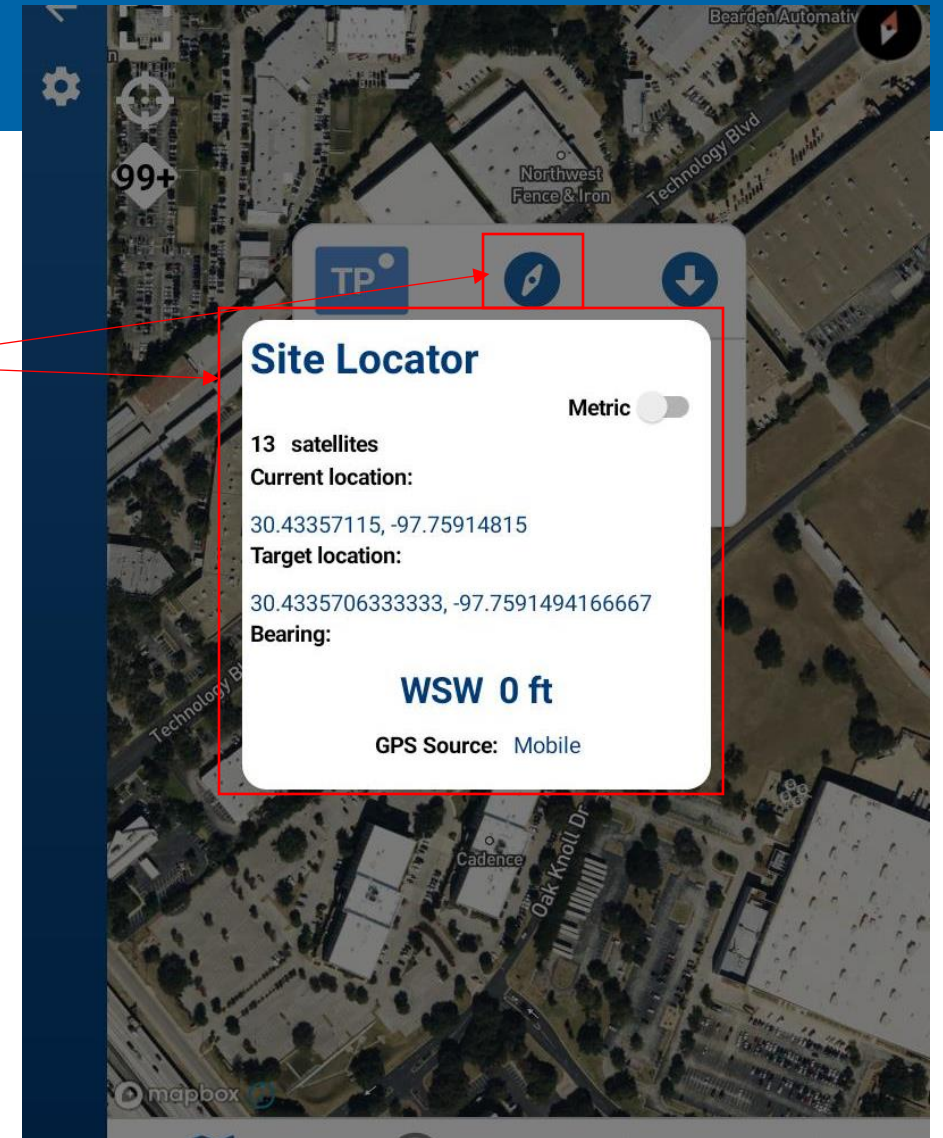
FDC Map: Key Features

- Site Pin Card
- Site Pin
- Pin Navigation



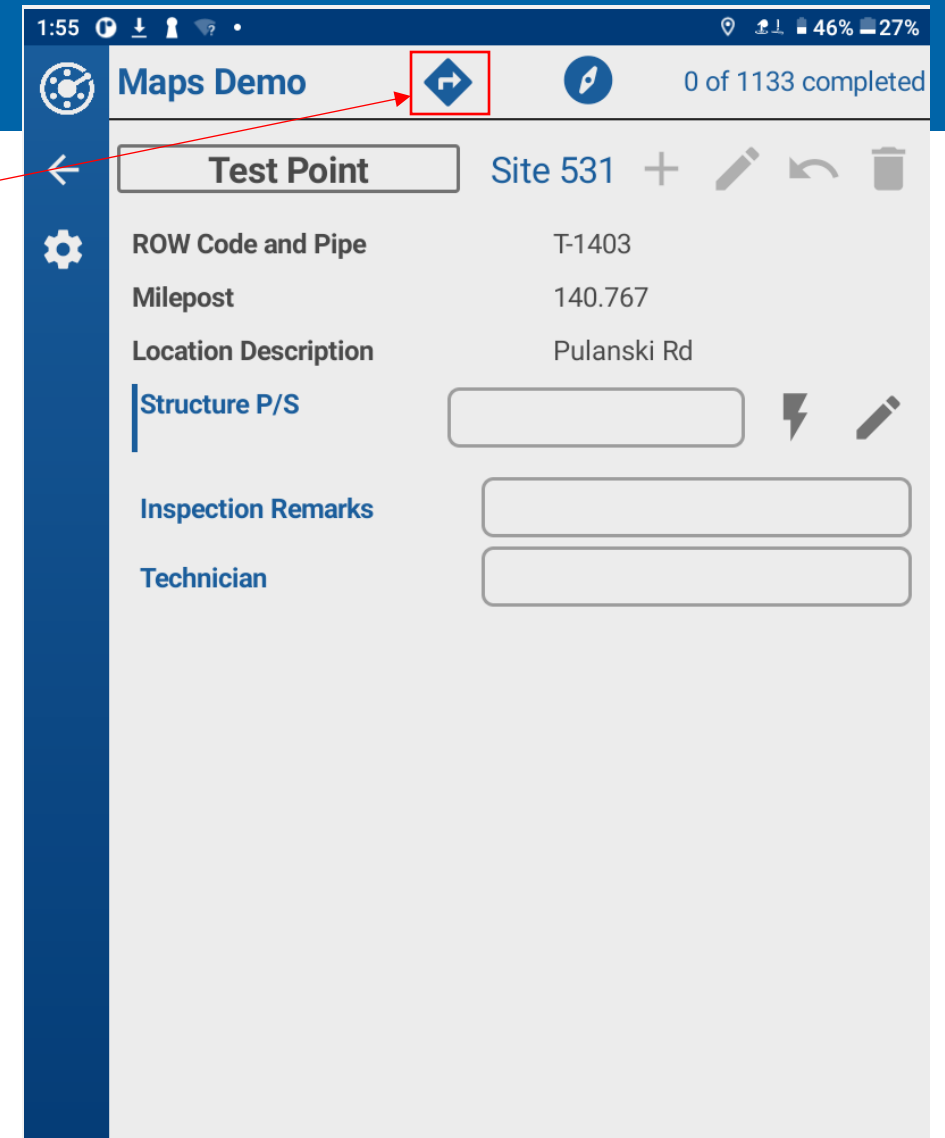
FDC Survey Navigation

- Bearing to Distance
 - Helps Direct User to Site Location by providing cardinal and footage to Asset
 - Once User gets to Location this will help Tech quickly find site location



FDC Survey Navigation

- Turn-by-Turn Directions
 - Opens device's native mapping app/browser to provide driving instructions to the site.
 - Tech can efficiently navigate to site.





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QUESTIONS & ANSWERS

- Patrick McLellan, Product Manager
- Submit your ideas to the Ideas Portal:
<https://www.aiworldwide.com/ideas/>