

Introduction to



# Tablet Response Software



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# A Cloud-Based Response Information System

- Cloud Server
- Tablet Client Application
- Broadband Connectivity

# Response Information System

- Prior To Response
  - Incident notification (secondary)
  - Incident location mapping
- During Response
  - Area mapping and familiarization
  - Navigation and routing
  - Other unit locations
  - Occupancy pre-plan
  - Area and incident specific hazards
  - Hydrant or water point mapping
- After Arrival
  - Unit locations
  - Waypoint dropping
  - Command and control messaging
  - Photo sharing
  - Incident logging

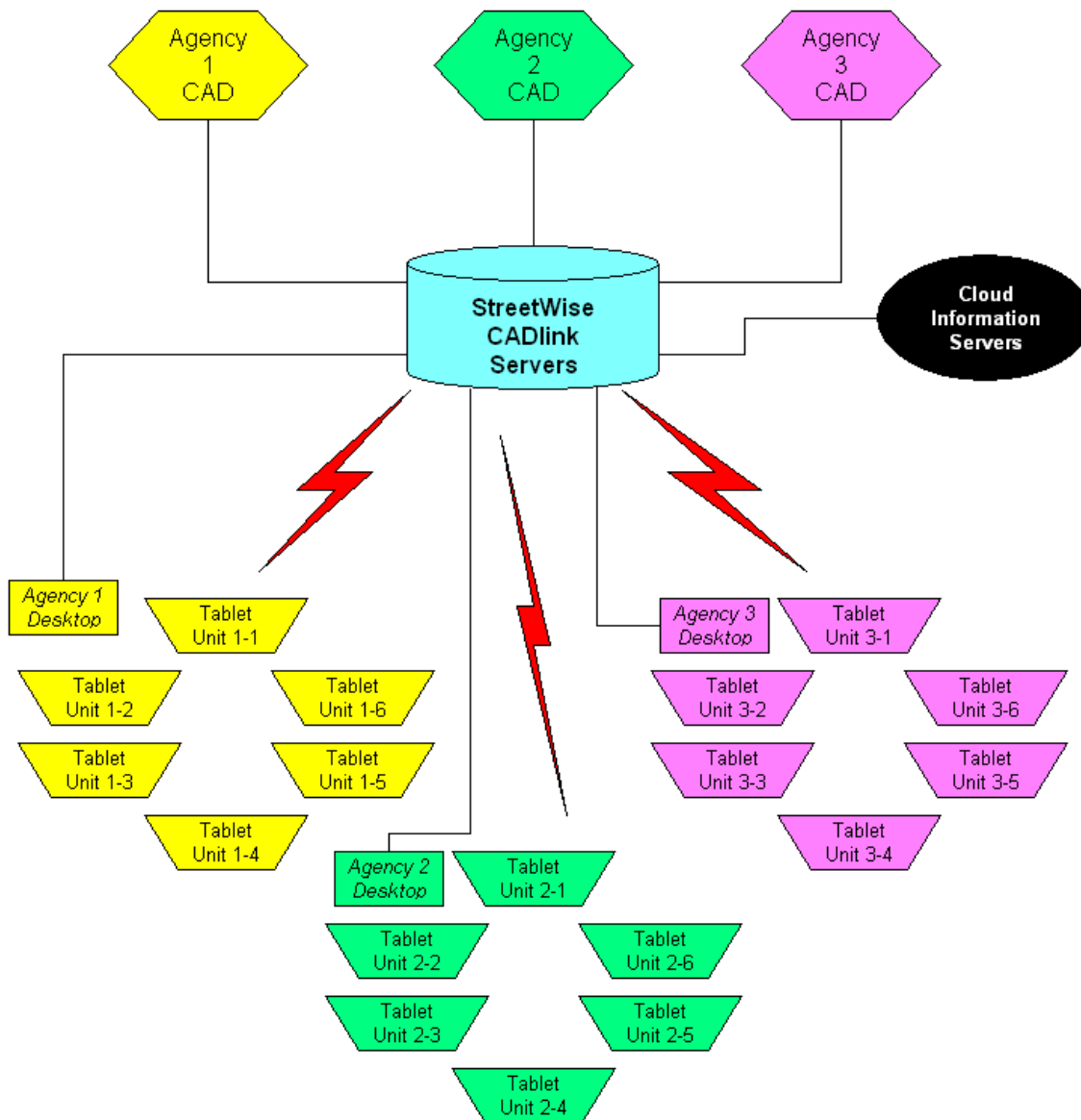


# Truly Mobile: A Picture Says It All



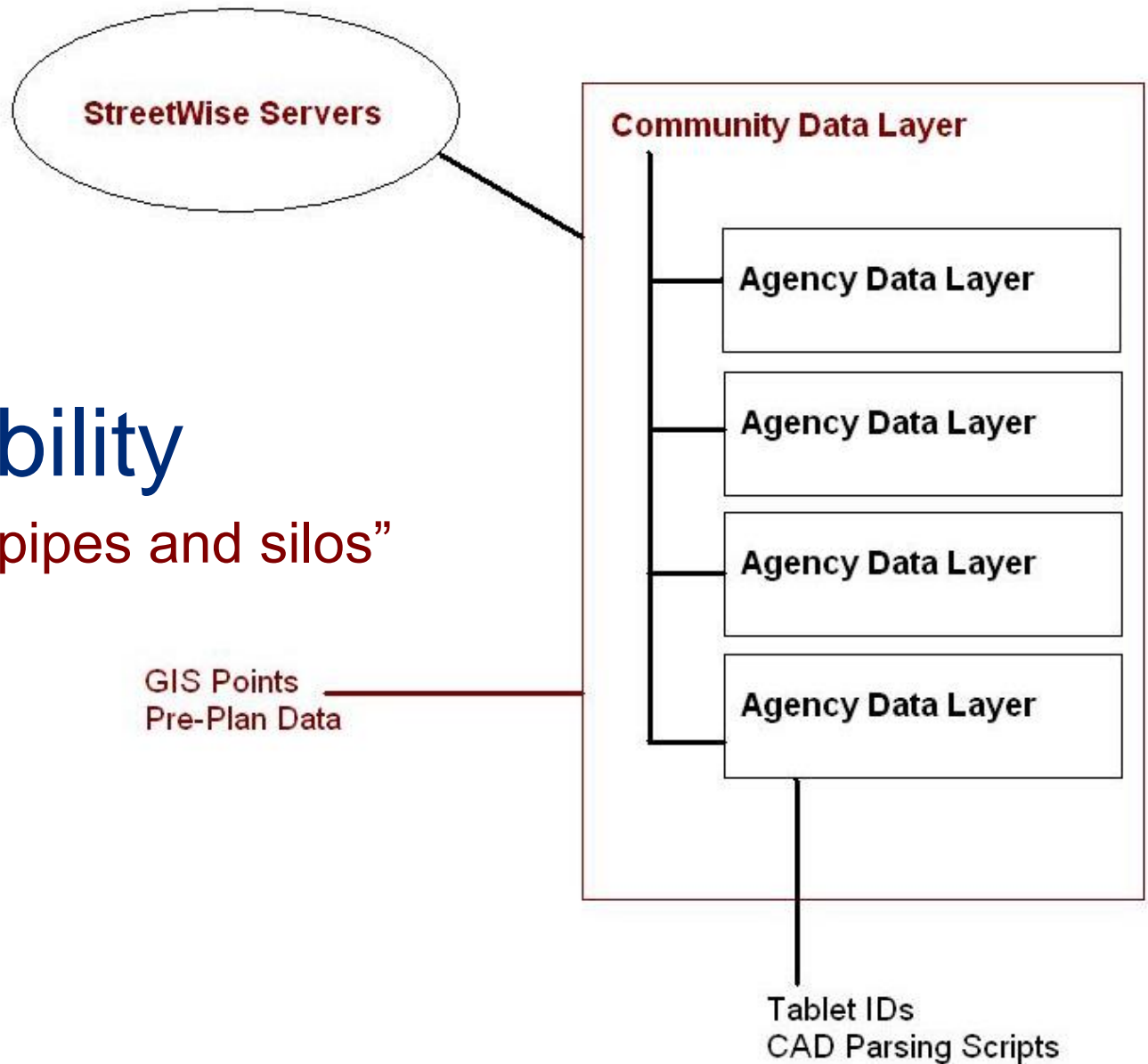
## Fire MDC's without the CAD Vendor!

# System Architecture



# Scalability and Interoperability

Eliminates “stovepipes and silos”



# Version One Features

- Navigation and Routing Assist (offline)
- Tactical Mapping and Situational Awareness
- Interactive Hydrant/Water Point Mapping
- Live Responder Tracking (AVL)
- Group Messaging
- Shared Interactive Command Waypoints
- Total Preplan Management
- Photo Sharing

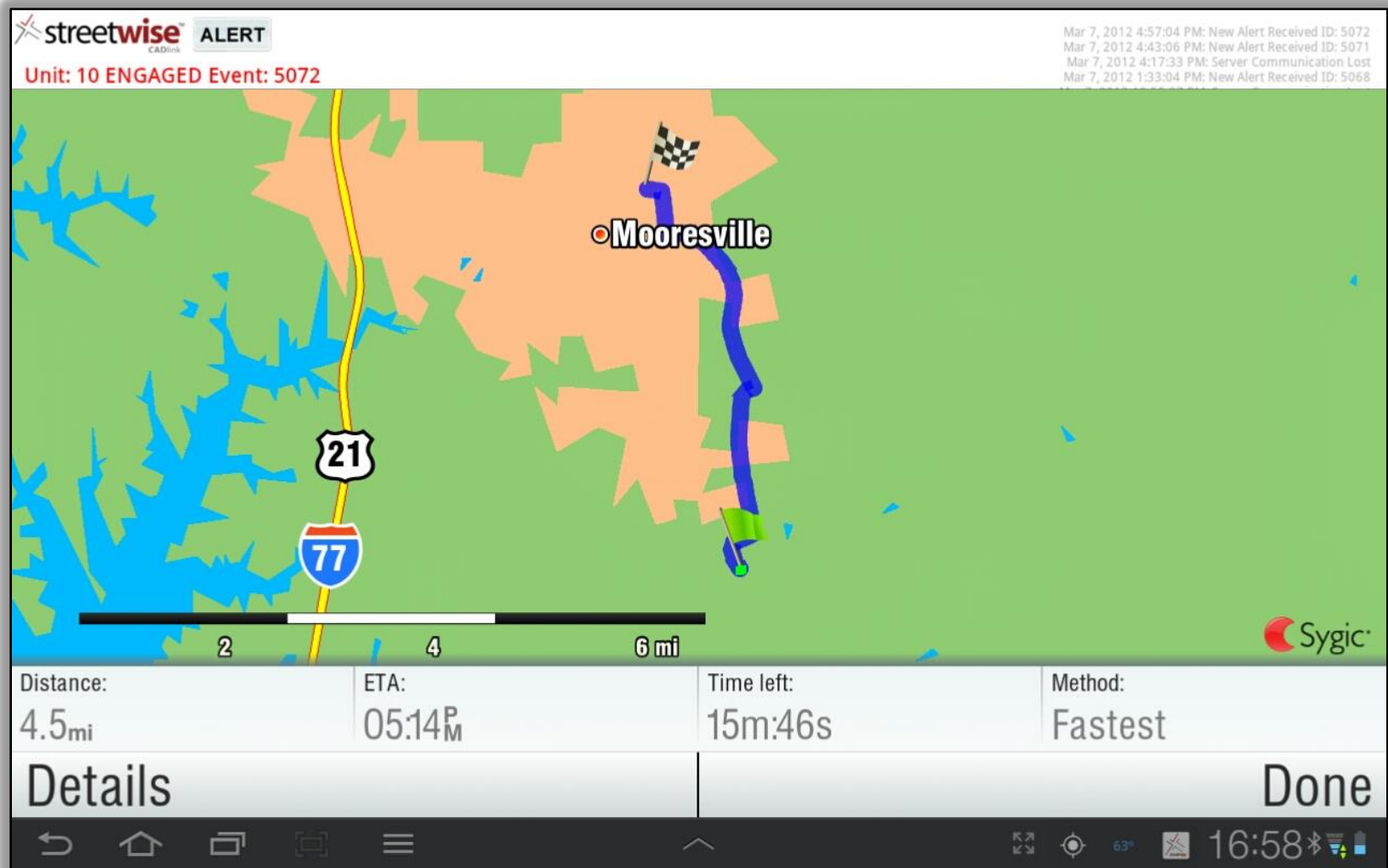


# StreetWise Incident Alerting





# StreetWise Navigation Assist

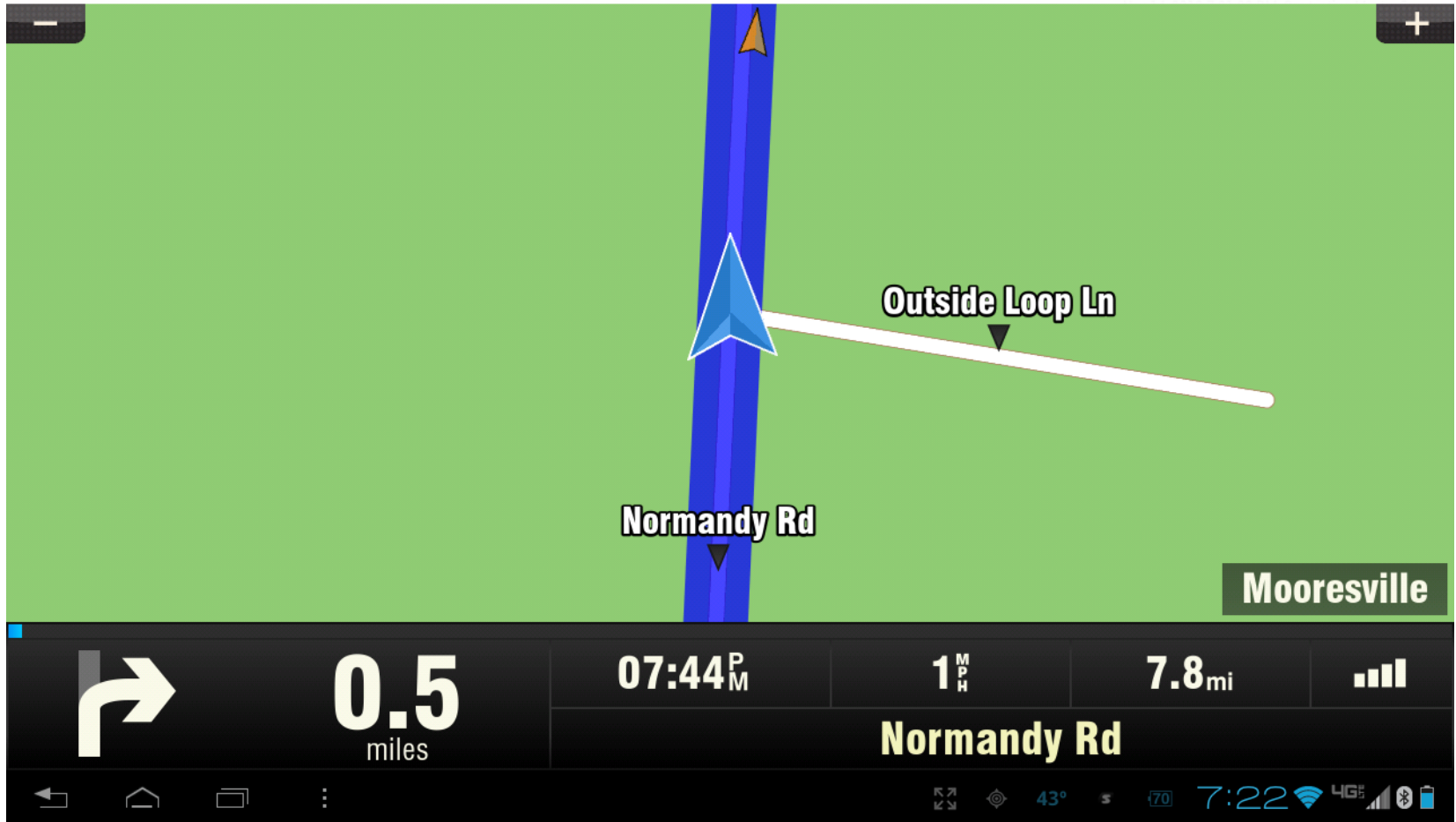


# StreetWise Navigation Assist

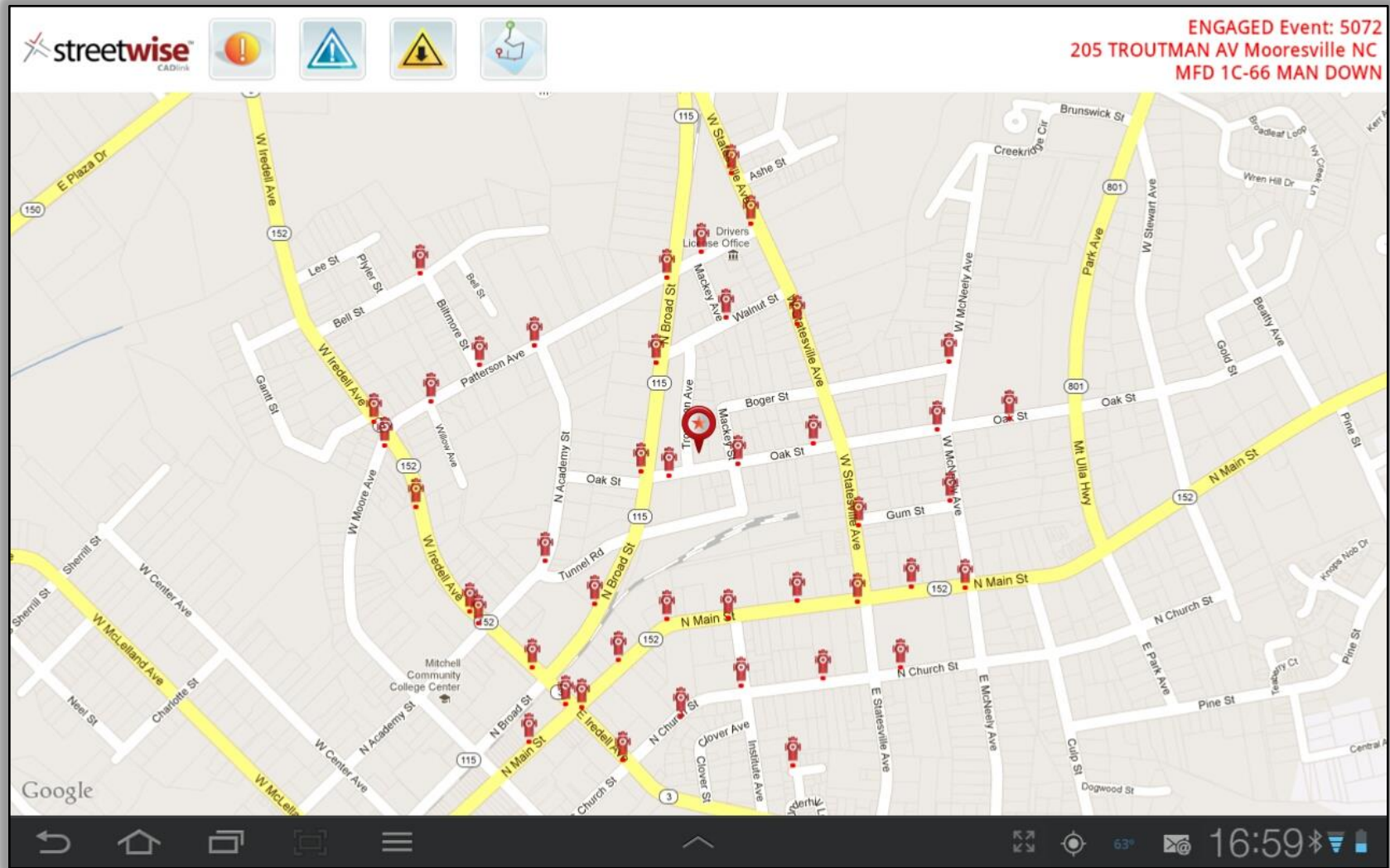


NOT ENGAGED

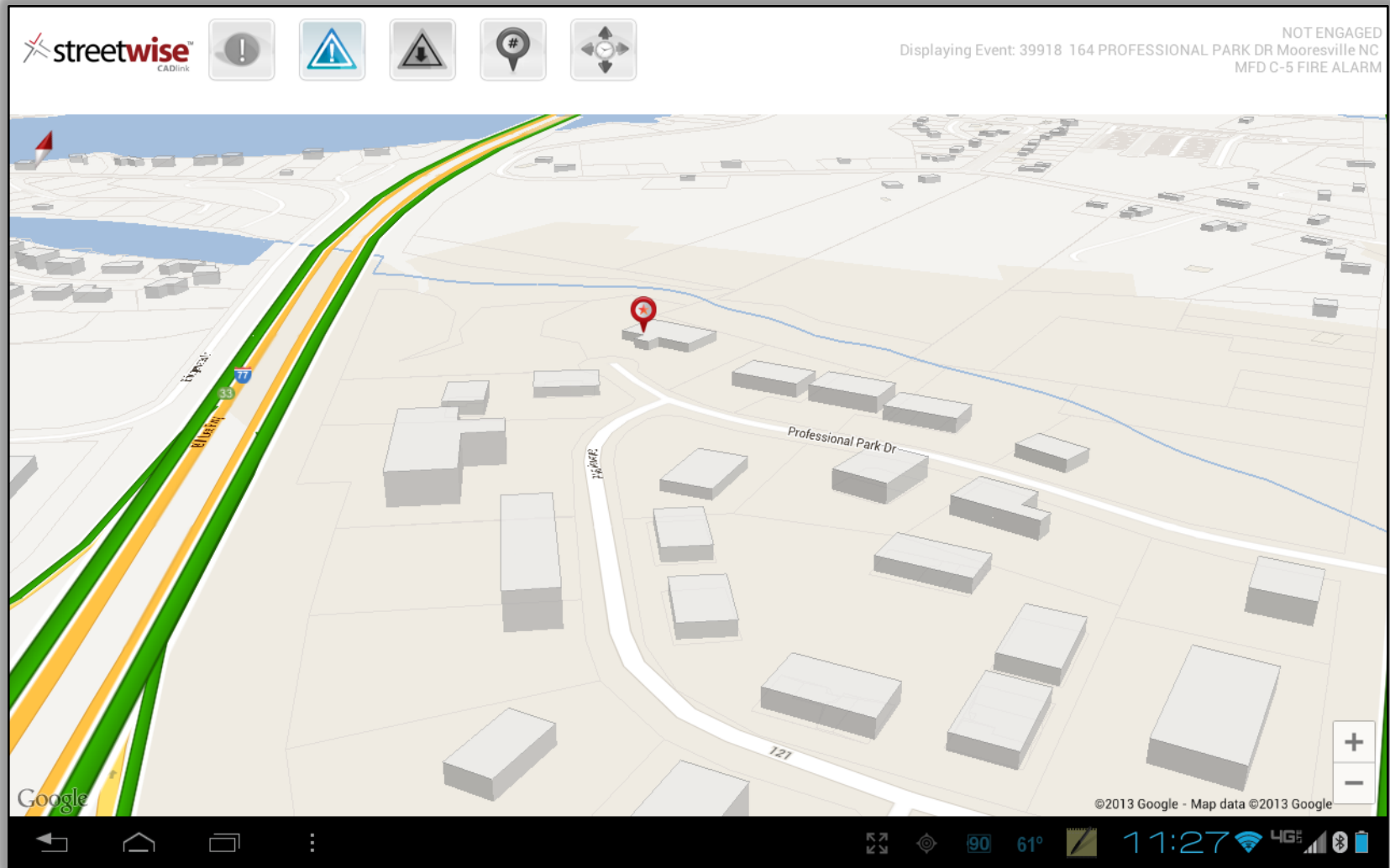
Nov 14, 2012 7:21:51 PM: New Alert Received ID: 15962  
Nov 14, 2012 7:21:27 PM: New Alert Received ID: 15954  
Nov 14, 2012 7:21:15 PM: 1732 Hydrant Points Received  
Nov 14, 2012 7:21:12 PM: 0 Sticky Regional Advisories Received



# StreetWise Tactical Map Features

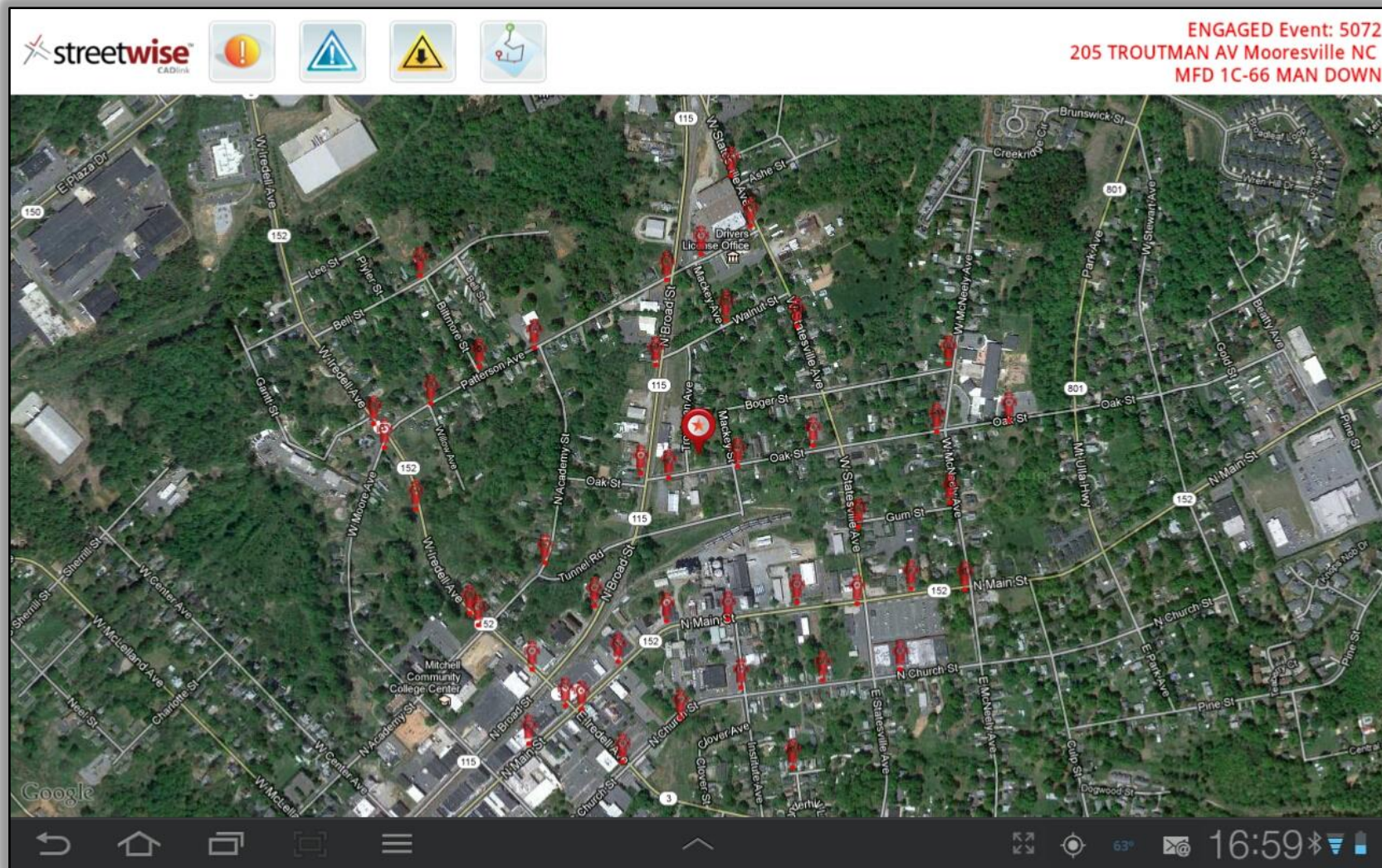


# StreetWise Tactical Map Features



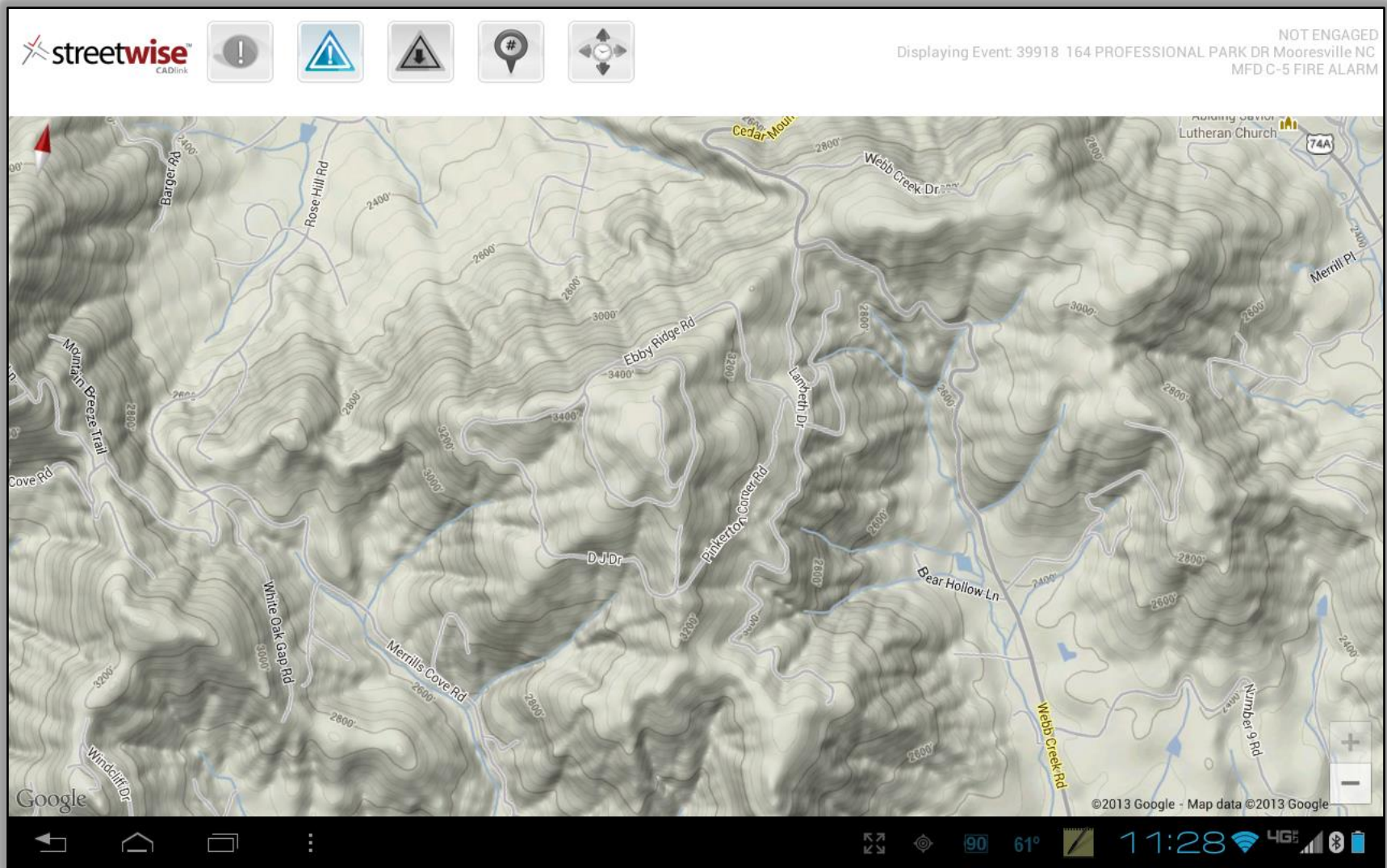


# StreetWise Tactical Map Features





# StreetWise Tactical Map Features

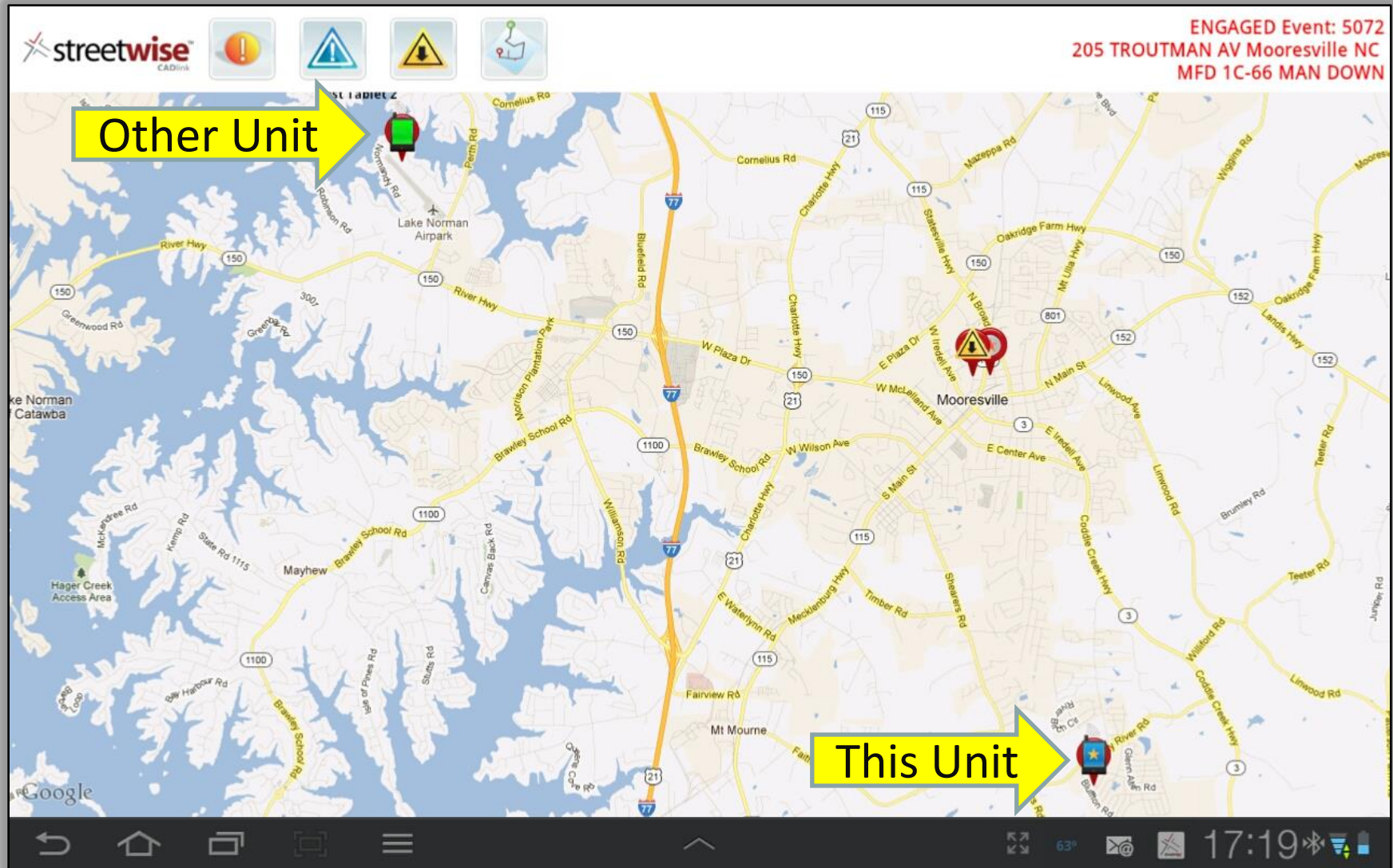


# StreetWise Tactical Features





# StreetWise AVL (tablet locations)

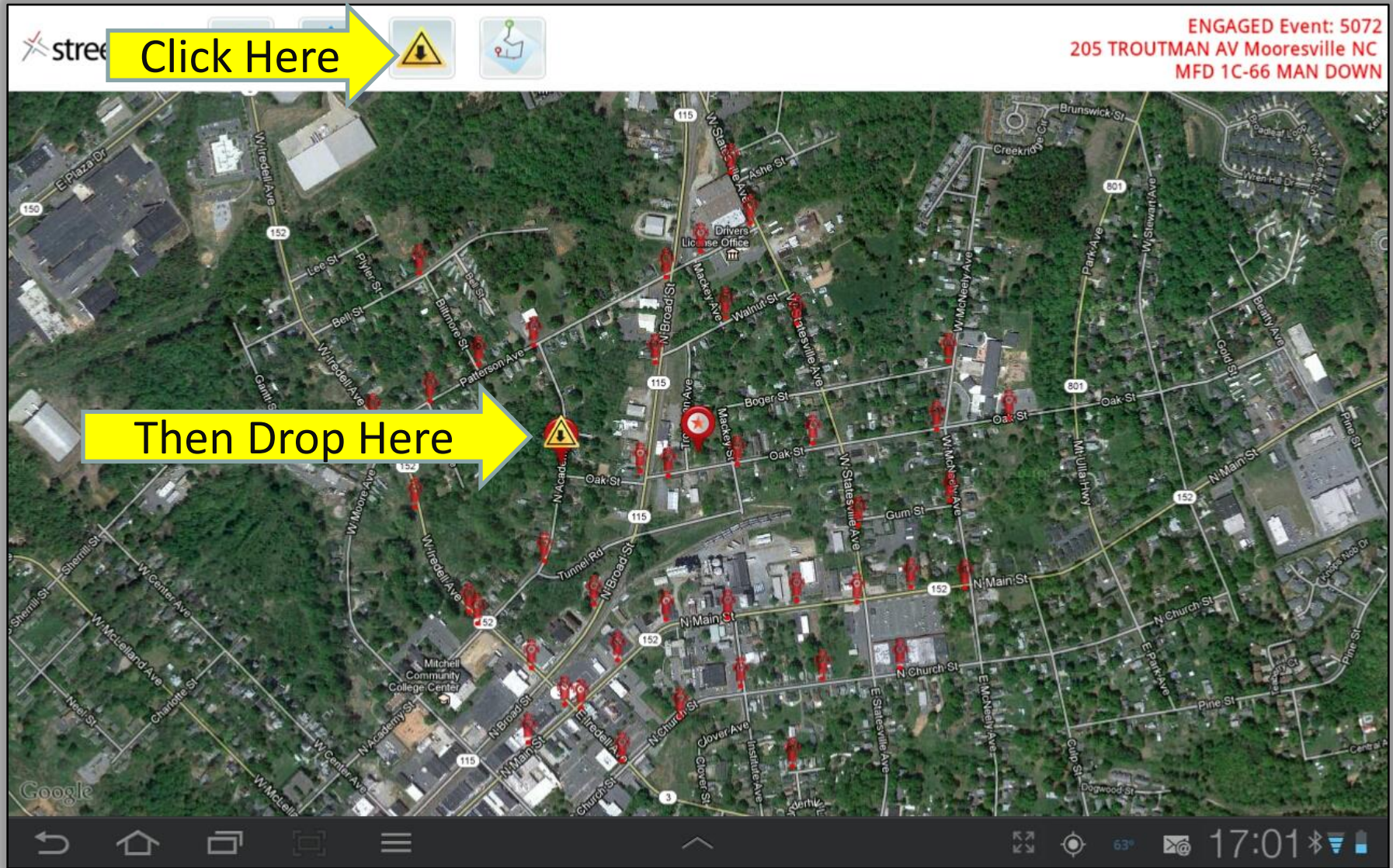


# Command Waypoints

- Incident-Specific Command Waypoints
  - Incident specific hazards
  - Level 2 staging location
  - Water drafting points
  - Mass casualty treatment/transport staging
  - Other
- “Sticky” Hazards
  - Road construction/closings
  - Location hazards (large dog, patient info, etc.)
  - Unsafe structure
  - Disabled sprinkler system

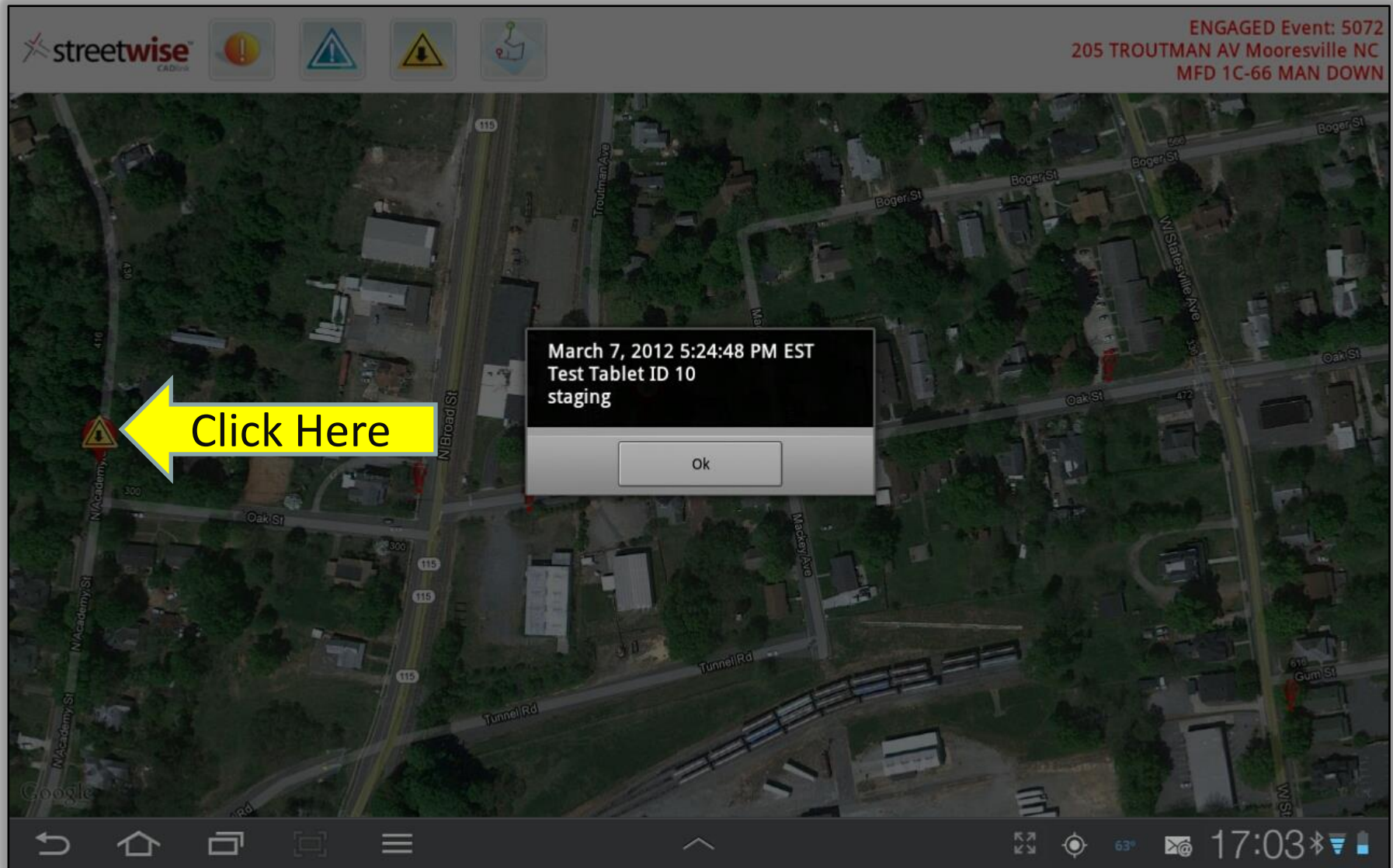


# StreetWise Tactical Features





# StreetWise Tactical Features



# Pre-Incident Plan Survey

Pre-Incident Planning Survey

Common Name:

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Example text fill-in question

Pre-Incident Planning Survey

Construction Type:  
Choose all that apply.

☒ TYPE I – FIRE RESISTIVE: concrete and steel structure, roof is also of noncombustible material.

☒ TYPE II – NON-COMBUSTIBLE: steel or concrete walls, floors and structural framework, however, the roof covering material is combustible.

☒ TYPE III – ORDINARY: brick and joist, masonry bearing walls, but the floors, structural framework and roof are made of wood or other combustible material.

☒ TYPE IV – HEAVY TIMBER: masonry walls like Type III buildings, but the interior wood consists of exposed heavy timbers (excess of 6" to 8" thick). The floor and roof are typically plank board.

☒ TYPE V.a – PROTECTED WOOD FRAME: interior framing and exterior walls may be wood, with 2x4 or 2x6 studs and load bearing walls, wood floor trusses or wood floor joist and wood roof framing, covered by means of sheetrock, spray on, or other approved fire rating of at least 1 hour.

☒ TYPE V.b – UNPROTECTED WOOD FRAME: interior framing and exterior walls may be wood, with 2x4 or 2x6 studs and load bearing walls, wood floor trusses or wood floor joist and wood roof framing, some or all of which are exposed without fire rated coating or covering.

☒ Mixed (Explain)

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Example multiple choice question

Pre-Incident Planning Survey

Occupancy Type:  
Choose all that apply.

☒ Assembly

☒ Business

☒ Educational

☒ Factory

☒ High Hazard

☒ Institutional

☒ Mercantile

☒ Residential

☒ Storage

☒ Utility and Miscellaneous

☒ Mixed (Explain Below)

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Example multiple choice question

# Pre-Incident Plan Survey

Pre-Incident Planning Survey


10:55 AM

"Side A" Photo:  
Please take a photo of side "A".

1 of 1

Clear Add Picture

Example media question



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Pre-Incident Planning Survey

11:02 AM

At 100% involvement, the required fire flow for the ground floor only is:

[Iowa State University GPM calculation method](#)

560

Example auto-calculate question

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# Pre-Incident Plan Survey Retrieval

FIRST DUE	WATER SUPPLY	CONSTRUCTION & FEATURES	FIRE SYSTEMS & SECURITY	LIFE SAFETY	BLDG SYSTEMS & UTILITIES	SPECIAL HAZARDS	ATTACHMENTS & PHOTOS
<b>Father &amp; Son Produce Market</b> 1774 Sherillsford Road							
<b>Key Vault:</b>		No					
<b>Access Restrictions:</b>		None					
<b>Main Water Supply:</b>		Pressurized hydrant					
<b>Required Flow Exceed Available Supply?</b>		No					
<b>Sprinklers or Standpipes?</b>		Wet sprinkler system- full					
<b>Lighweight Components?</b>		Yes, stamped roof trusses					
<b>Recommended Initial Actions:</b>		Defensive attack only, unless fire is small in nature. Ensure evacuation, establish adequate supply using 400' of 5" hose, drop 3" attack line along with yard lay.					



# StreetWise Instant Photo Share



# StreetWise Web Interface



Event ID	Alert ID	Time	Type	Device ID	C1	C2	C3	C4	Device Name	Description
1396	8847	2012-07-14 18:44:38.0	Status	22	0	0	0	0	Ladder-62	Engaging
1397	8847	2012-07-14 19:07:40.0	Status	22	0	0	0	0	Ladder-62	Disengaging
1382	8837	2012-07-14 08:21:14.0	Status	24	0	0	0	0	Squad-62	Engaging
1383	8837	2012-07-14 08:30:15.0	Status	24	0	0	0	0	Squad-62	Disengaging
1378	8835	2012-07-14 08:17:11.0	Status	24	0	0	0	0	Squad-62	Engaging
1379	8835	2012-07-14 08:18:04.0	Status	24	0	0	0	0	Squad-62	Disengaging
1380	8835	2012-07-14 08:18:06.0	Status	24	0	0	0	0	Squad-62	Disengaging
1381	8835	2012-07-14 08:18:11.0	Status	24	0	0	0	0	Squad-62	Disengaging
1360	8833	2012-07-14 06:54:54.0	Status	24	0	0	0	0	Squad-62	Engaging
1361	8833	2012-07-14 06:58:50.0	Status	24	0	0	0	0	Squad-62	En Route
1362	8833	2012-07-14 07:03:40.0	Status	24	0	0	0	0	Squad-62	Arriving On Scene
1373	8833	2012-07-14 07:25:30.0	Status	24	0	0	0	0	Squad-62	Available



**“Kick the laptop, say hello to the tablet”**