



**New York State Association of
County Directors of Real Property Tax Services
Conference**

October 21, 2013

GIS Program Office

NYS Office of Information Technology Services

New York State Office of General Services

Outline

- Street Address Mapping
 - Status
 - Schedule
 - Results
 - Ongoing Maintenance
- NG 9-1-1
- Geocoder
- Governor Initiatives
- State Owned Properties

SAM Project Objective

***Create a statewide authoritative
address point database to support
Next Generation 9-1-1
and other purposes***

Statewide Address Point Build: 2 Stages

Stage 1:

State contracts for:

- “Principal” (main structure) point on building footprint
- Parcel centroids for vacant addressed parcels
- Addresses in draft NENA standard

State in-house tasks:

- Outreach to counties for data
- QA/QC of data deliverables



Stage 1
Building Rooftops
Centroids of Vacant Parcels

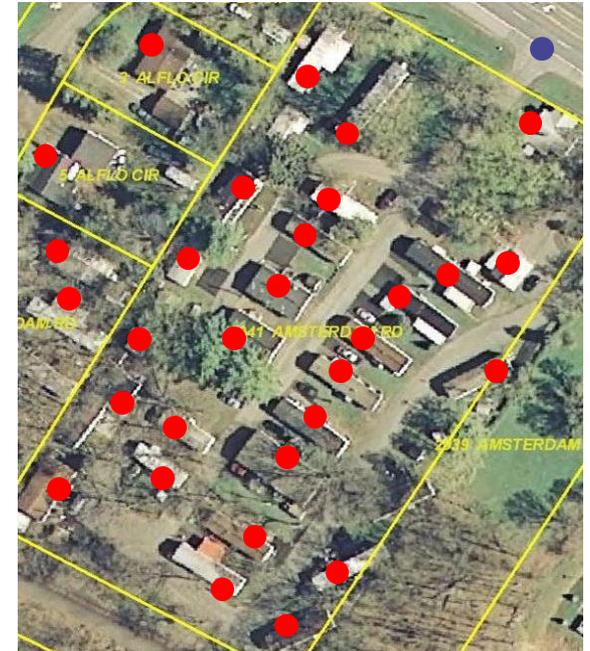


Statewide Address Point Build: 2 Stages

Stage 2:

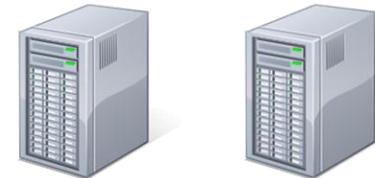
Counties use NENA standards to:

- **Locate** addresses identified in exception report
- **Add new points**
- **Refine** locations
- Map **subaddresses**
- Place **routing points**

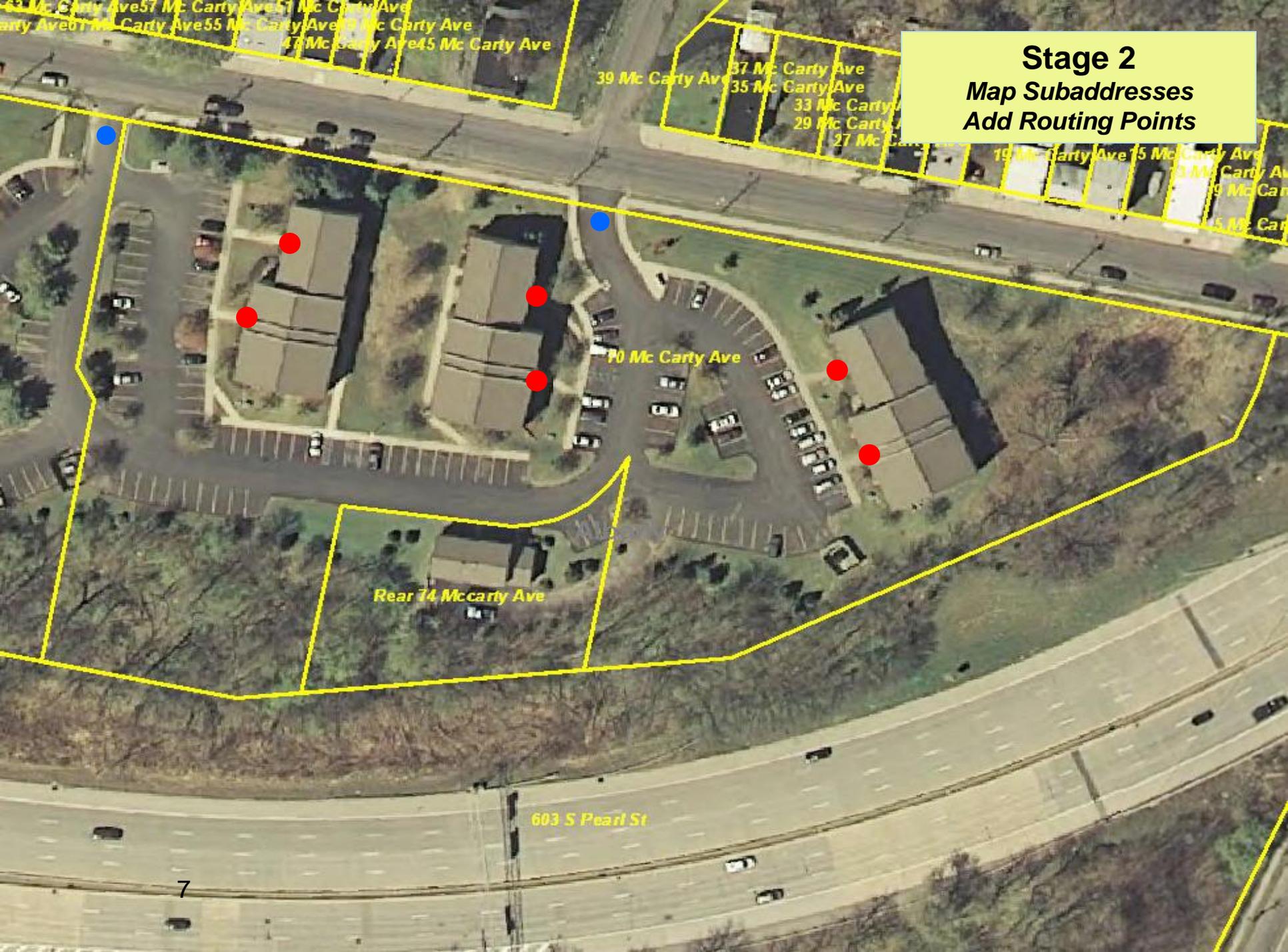


State provides:

- Data maintenance tools
- Data hosting/distribution services



Stage 2
Map Subaddresses
Add Routing Points



61 Mc Carty Ave 57 Mc Carty Ave 51 Mc Carty Ave
49 Mc Carty Ave 47 Mc Carty Ave 45 Mc Carty Ave

39 Mc Carty Ave 37 Mc Carty Ave
35 Mc Carty Ave 33 Mc Carty Ave
29 Mc Carty Ave 27 Mc Carty Ave

19 Mc Carty Ave 15 Mc Carty Ave
13 Mc Carty Ave 11 Mc Carty Ave
9 Mc Carty Ave 5 Mc Carty Ave

70 Mc Carty Ave

Rear 74 Mccarty Ave

603 S Pearl St

Delivery Acceptance

- County-wide review of:
 - Schema compliance
 - Domain values
- ANSI statistical sample
 - Random selection of points to be reviewed
 - Validate positional accuracy
 - Validate attribute accuracy
 - Tightened inspectional only allows 18 errors
- Acceptance/rejection required within 10 days of delivery
- ***Approximately one County delivered every 5-8 days***

Before

11686 State Route 812



11686 State Route 812



Parcel Centroid Point



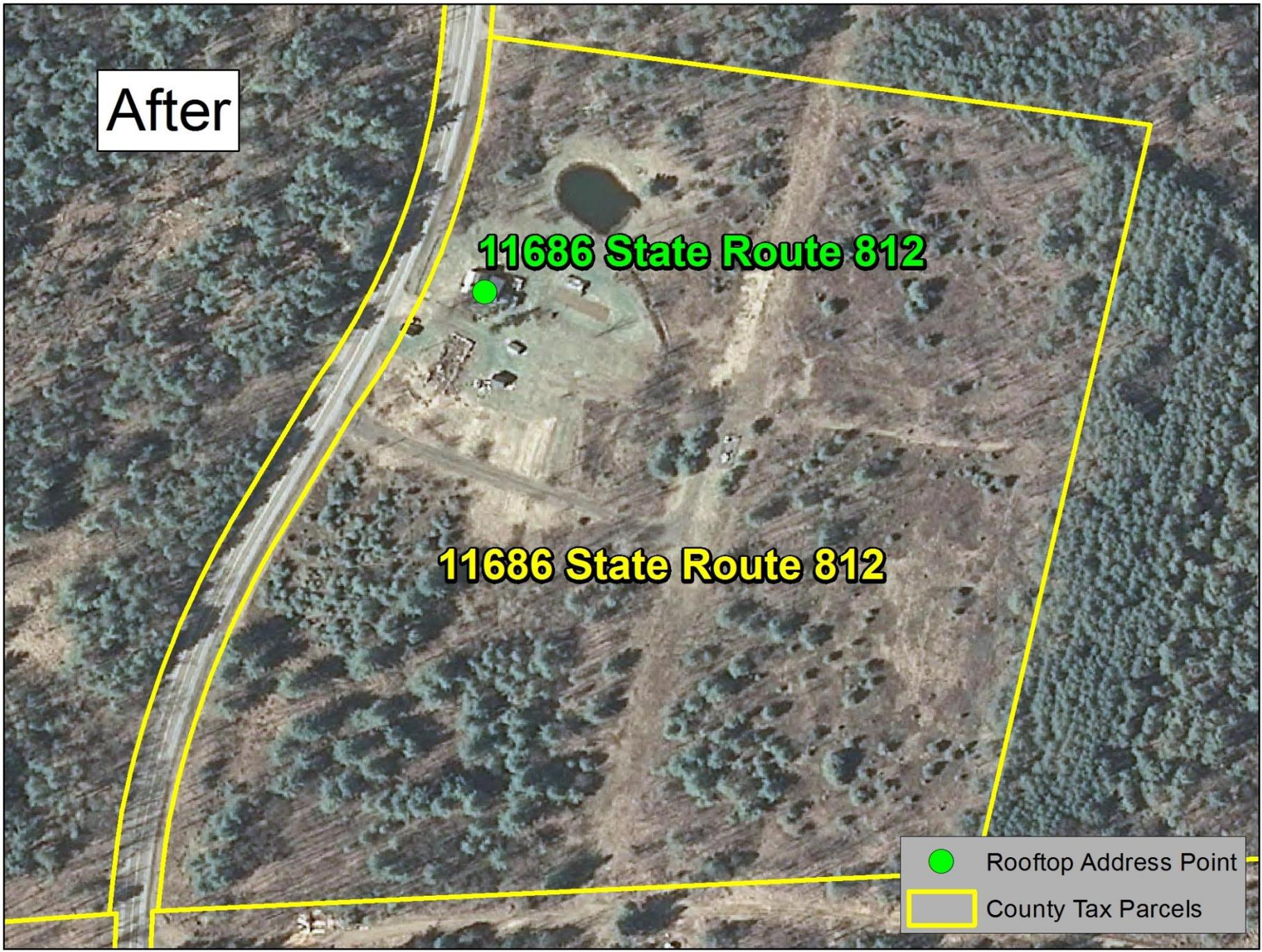
County Tax Parcels

After

11686 State Route 812

11686 State Route 812

● Rooftop Address Point
□ County Tax Parcels



Before



Parcel Centroid Point



County Tax Parcels

After



● Rooftop Address Point
▭ County Tax Parcels

Tentative County Order

1 Lewis	16 Clinton	31 Genesee	46 Oneida
2 Hamilton	17 Erie	32 Tompkins	47 Westchester
3 Cattaraugus	18 Livingston	33 Schuyler	48 Suffolk
4 Allegany	19 Montgomery	34 Yates	49 Greene
5 Franklin	20 Tioga	35 Chautauqua	50 Orange
6 Delaware	21 Jefferson	36 Rensselaer	51 Warren
7 Columbia	22 Sullivan	37 Onondaga	52 Madison
8 St. Lawrence	23 Niagara	38 Schenectady	53 Ulster
9 Seneca	24 Monroe	39 Fulton	54 Putnam
10 Saratoga	25 Wayne	40 Chenango	55 Dutchess
11 Albany	26 Schoharie	41 Broome	56 Nassau
12 Ontario	27 Wyoming	42 Otsego	57 Rockland
13 Steuben	28 Cayuga	43 Essex	
14 Cortland	29 Oswego	44 Herkimer	
15 Orleans	30 Chemung	45 Washington	

Post Data Build

- ITS tasks:
 - Error corrections
 - Post processing
 - Build new geocoding locators
 - Review Exception file and error flags
 - Data distribution
 - County address data flow discussions
 - Train Counties to use data maintenance tool
- County Tasks:
 - Spatially Invalid file and Exception file review
 - Submit edits via data maintenance tool or other agreed upon edit submission process
 - Review proposed street and address edits from ITS

Files Provided to Counties

Address Points Deliverable

(symbolized by Point Type)



Spatially Invalid Address Points

(addresses geocode only to street centerlines)



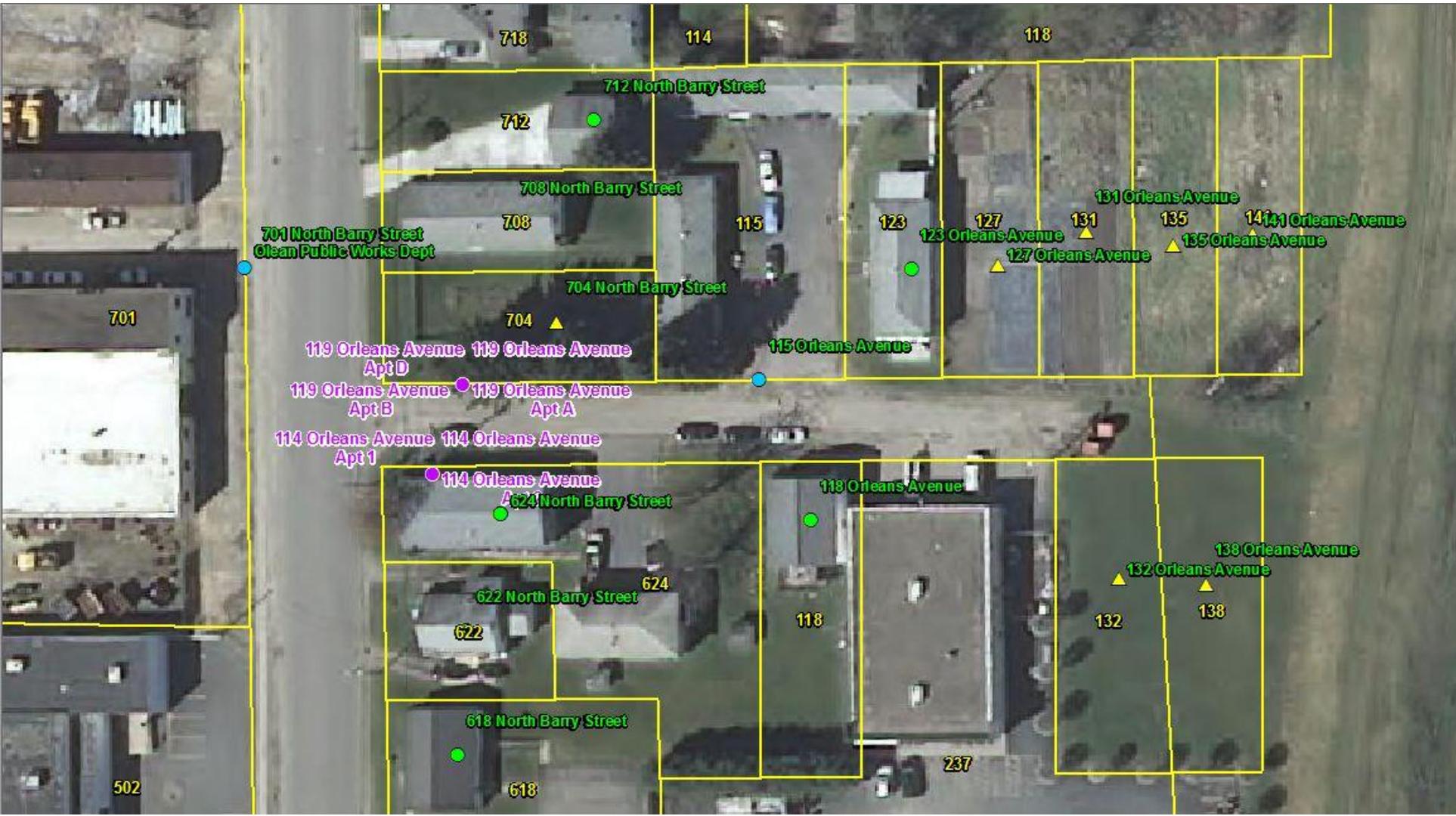
Spatially Invalid Address Points

(addresses geocode only to street centerlines)



Spatially Invalid Address Points

(addresses geocode only to street centerlines)



Exception Report

(addresses do not geocode to parcels or centerlines)

	A	B	C	D	E	F
1	Address	Unit	Address Source	Reason	Exception Flag	FEEDBACK
2	1 BRANDRETH PARK LONG LAKE		Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
3	1 FOUR CORS		Business Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
4	10 BRANDRETH PARK LONG LAKE		Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
5	100 N ROUTE 28 INLET		Business Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
6	1047 STATE ROUTE 30		Business Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
7	105 GUNDEL CT	3	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
8	105 GUNDEL CT	4	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
9	105109 ABRAMS RD		Business Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
10	106 WILD RD		Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
11	107 GUNDEL CT	5	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
12	107 GUNDEL CT	6	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
13	108 GUNDEL CT	10	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
14	108 GUNDEL CT	9	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
15	11 BRANDRETH PARK LONG LAKE		Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
16	11 CEDAR RIVER RD INDIAN LAKE		Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
17	111 ELM LAKE RD SPECULATOR 12164		Business Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
18	110 WILD RD		Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
19	112 LONE BIRCH CT		Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
20	1123 OLD PISECO RD PISECO		Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
21	113 GUNDEL CT	1	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
22	113 GUNDEL CT	2	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
23	114 GUNDEL CT	11	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
24	114 GUNDEL CT	12	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
25	114 GUNDEL CT	13	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
26	114 GUNDEL CT	14	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
27	115 GUNDEL CT	9	Business Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
28	116 GUNDEL CT	15	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
29	116 GUNDEL CT	16	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
30	117 LONE BIRCH CT		Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	
31	119 GUNDEL CT	7	Residential Address	Address was successfully geocoded to NYS Centerlines, but could not be accurately located	NF	

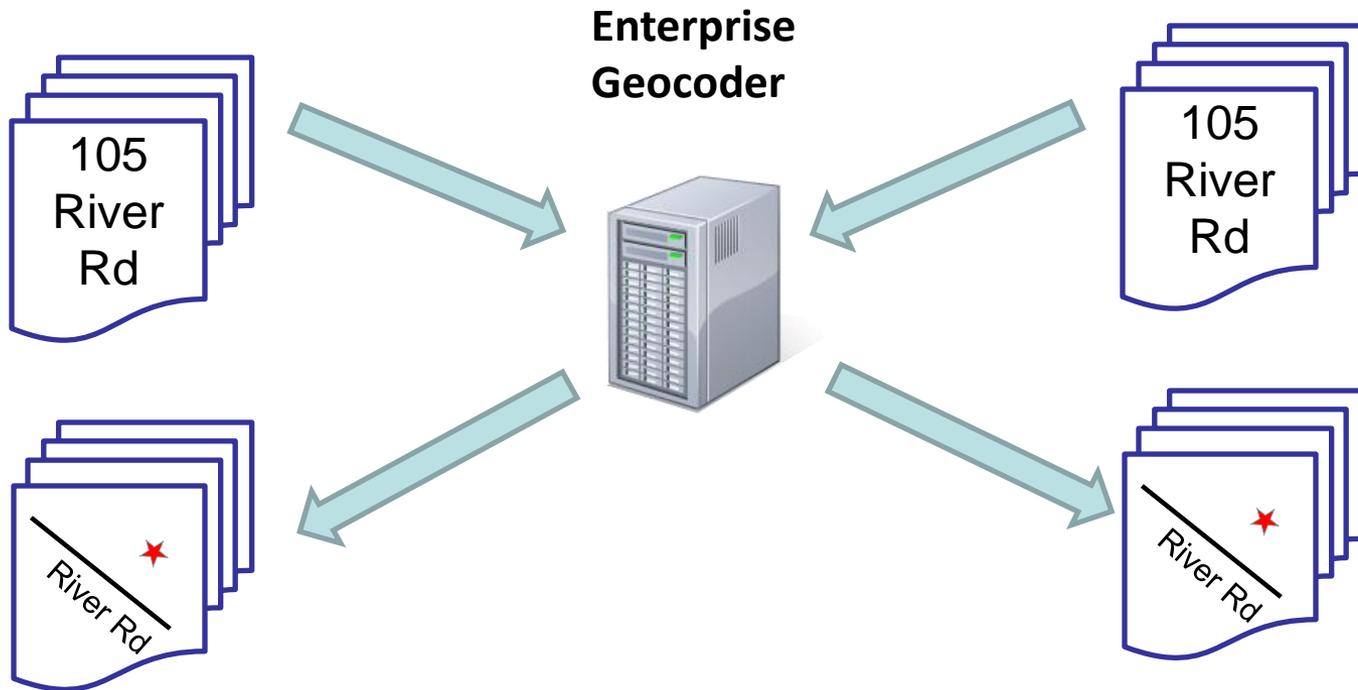


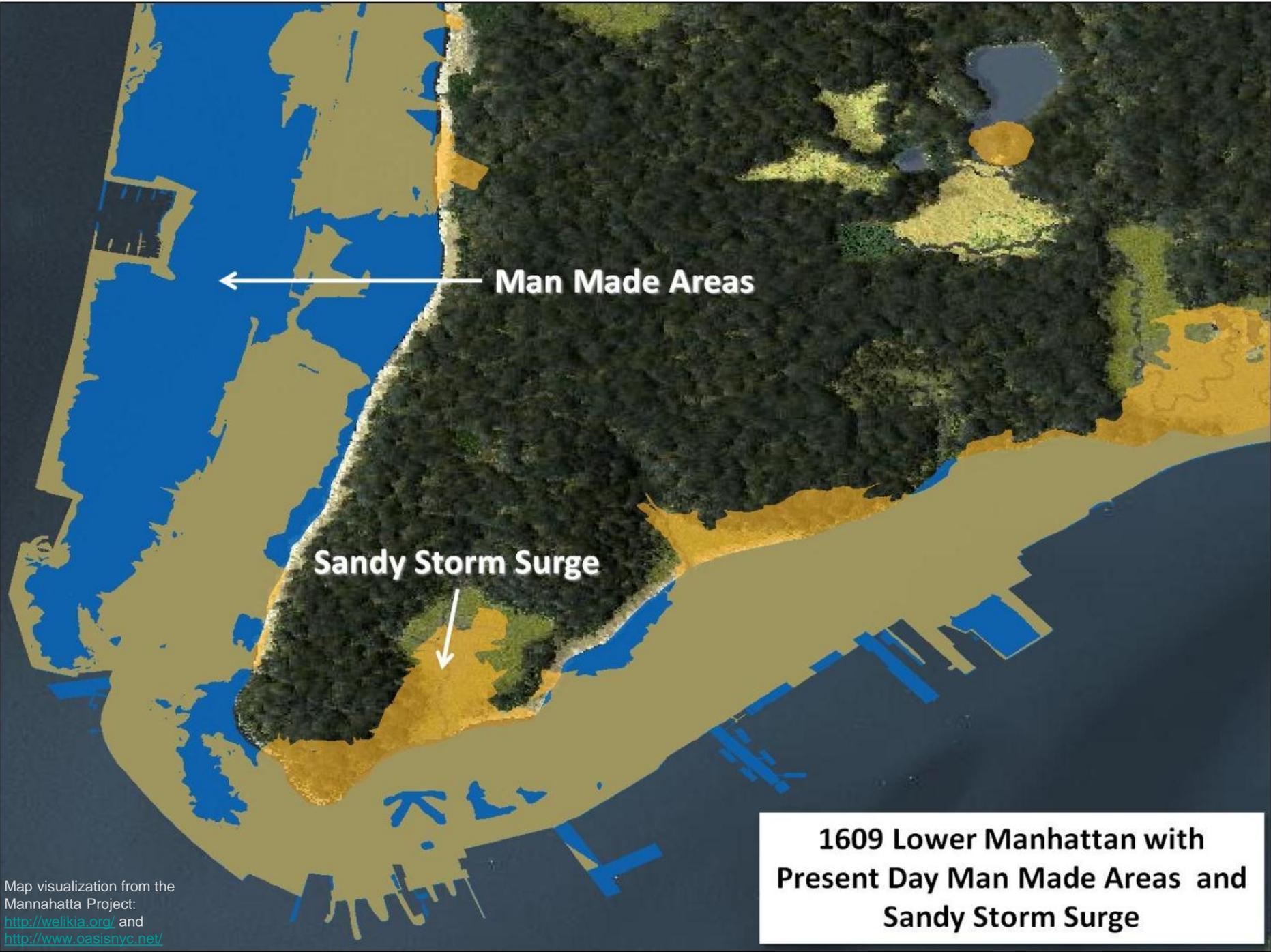
Want to Stay Informed?

- SAM Project Webpage:
 - <http://www.dhSES.ny.gov/ocs/streets>
 - Address Points Schema
 - County data build list
 - Status Maps
 - Presentations
- NYS 9-1-1 GIS Workgroup
 - Monthly webinar on 3rd Thursday at 1pm
 - Over 60 NYS 9-1-1 and NYS GIS professionals
 - Review/discuss NENA GIS-related standards
- SAM Newsletter (bimonthly email)

Geocoding With a Centralized Service

Identical input addresses yield identical results





Man Made Areas

Sandy Storm Surge

1609 Lower Manhattan with Present Day Man Made Areas and Sandy Storm Surge

Map visualization from the Mannahatta Project:
<http://welikia.org/> and
<http://www.oasisnyc.net/>

State Owned Properties

OGS

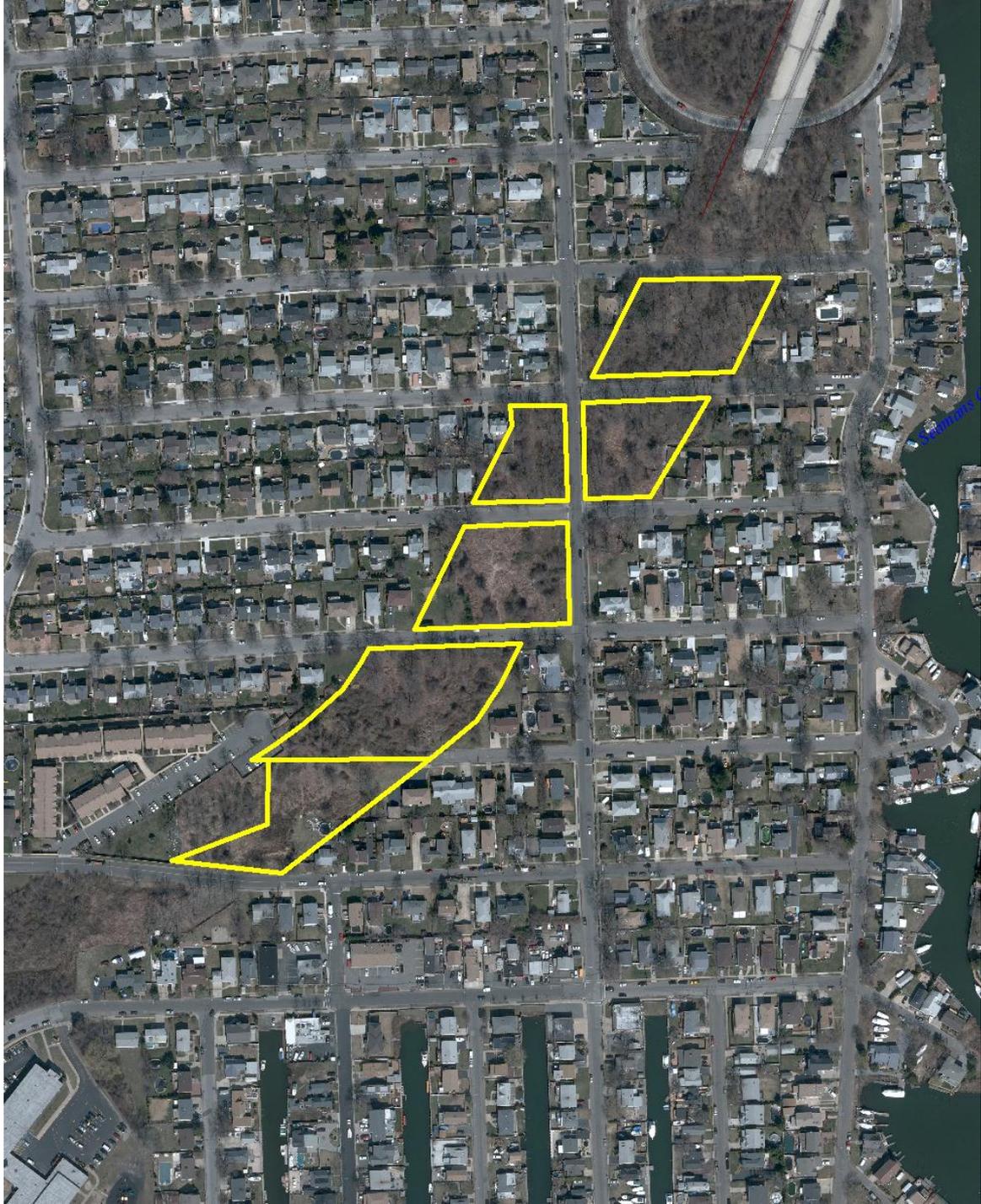
- Jim Sproat
 - Director, Real Estate Planning & Development
- Joe Rabito
 - Executive Deputy Commissioner

State Owned Properties

- State desire to sell surplus properties
- Putting those properties back on the tax rolls
- Effort currently underway to coalesce state properties data
- Best done in the context of all properties
 - Abutters
 - Land use
 - Data maintenance
- Implement the plan to bring together a statewide parcel layer

South Street





Thank you!

SAM Project Web Page:

<http://www.dhSES.ny.gov/ocs/streets>

