



City of Richmond Next Generation Radio System



December 4, 2017



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Next Generation Radio System

Operations Manager

Richmond Stakeholders

City Agencies

- Police
- Fire
- Emergency Management
- Sheriff
- DPU
- DPW
- Schools
- Parks and Recreation
- Community Development
- Social Services
- Justice Services

External Agencies

- VCU
- State Capitol Police
- Richmond Metro Authority
- ABC
- US Marshal
- VA Hospital
- VUU
- RAA

Stakeholder Agency	Current Radio Inventory	Forecasted New Radios
Police	1565	1592
Fire	399	420
Sheriff	497	580
RAA	181	211
OEM	85	TBD
Animal Control	20	20
Public Utilities	481	466
Public Works	423	423
Parks/Recreation	60	52
Planning/Development Review	22	25
Justice Services	30	52
Schools	534	502
DEC/Radio Shop	231	249
VUU	10	12
VCU	215	270
VA Hospital	38	TBD
RMA Police	3	4
ABC	19	19
Capitol Police	124	Purchase via State Police as needed

New APX Radio Deployment

Mobile Radios-APX8500

RPD-425

RFD-97

RSO-38

Animal Care & Control-11

Portable Radios-APX6000 M2.5

RPD-388

RSO-22

Project Timeline

2017 The Year of Design

2018 The Year of Construction/Installation

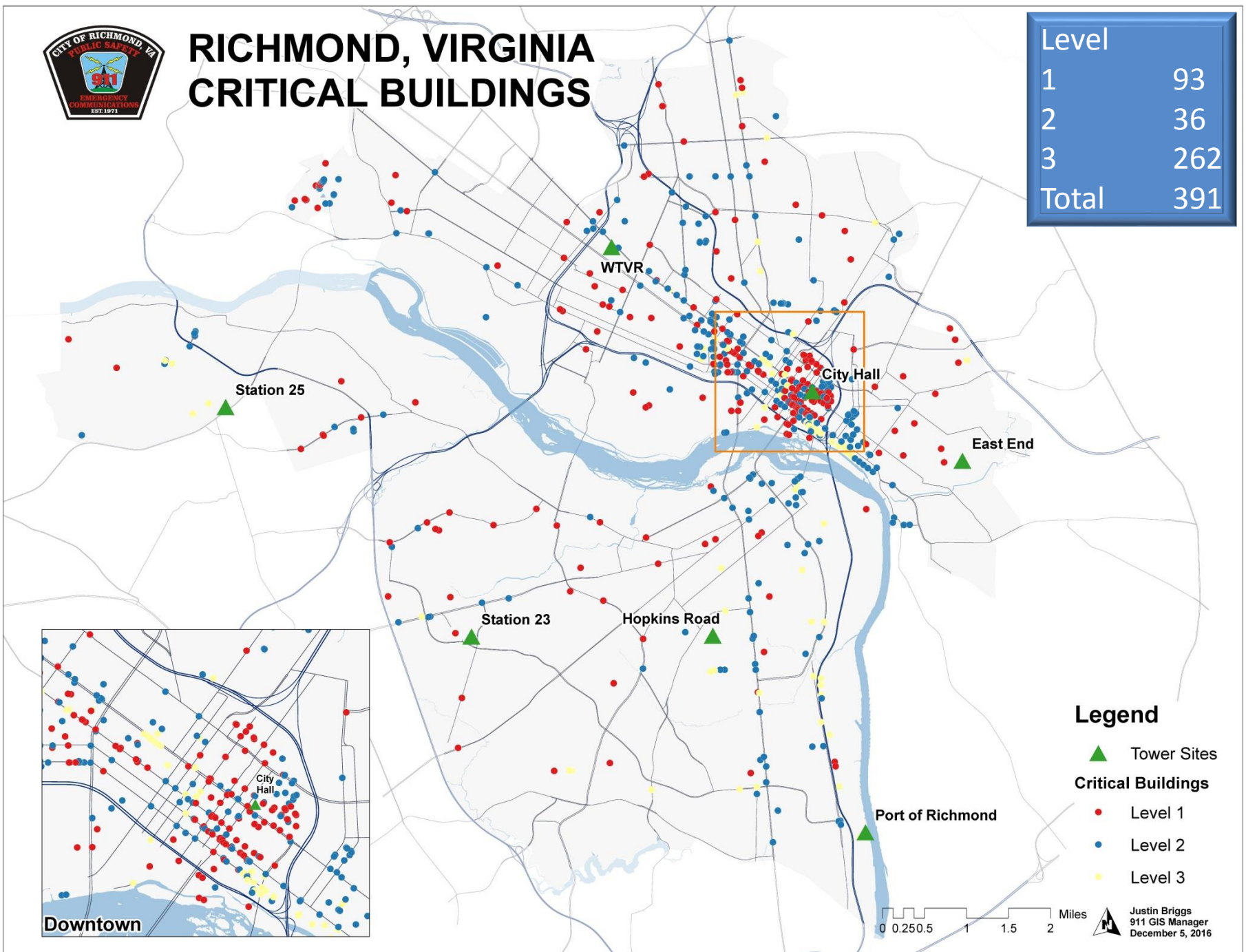
2019 The Year of Testing

2020 The Year of Implementation



RICHMOND, VIRGINIA CRITICAL BUILDINGS

Level	
1	93
2	36
3	262
Total	391



WTVR

Station 25

City Hall

East End

Station 23

Hopkins Road

Port of Richmond

City Hall

Downtown

Legend

▲ Tower Sites

Critical Buildings

● Level 1

● Level 2

● Level 3



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911 GIS Manager
December 5, 2016

Existing Sites

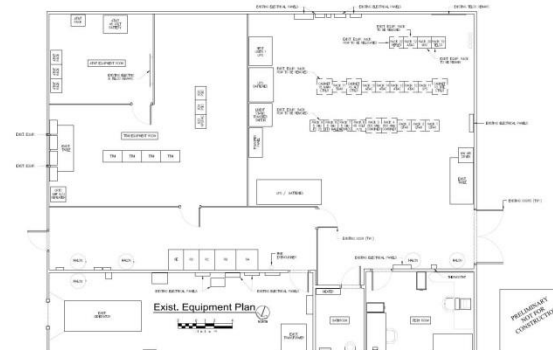
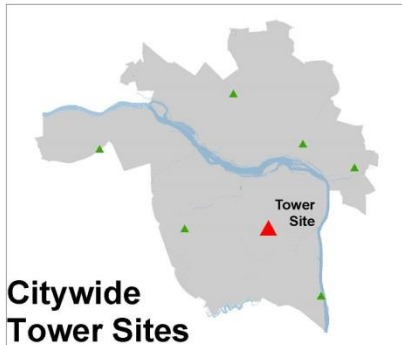
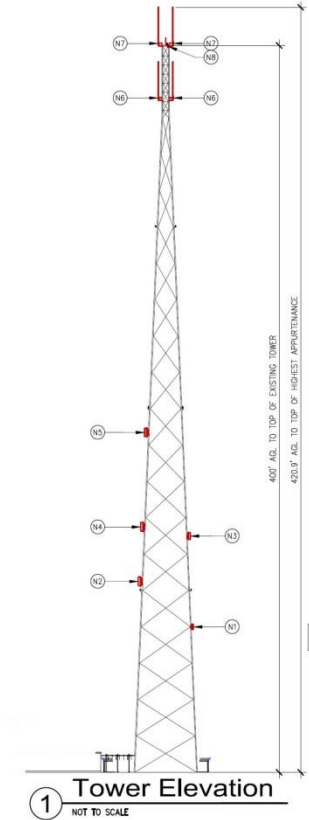
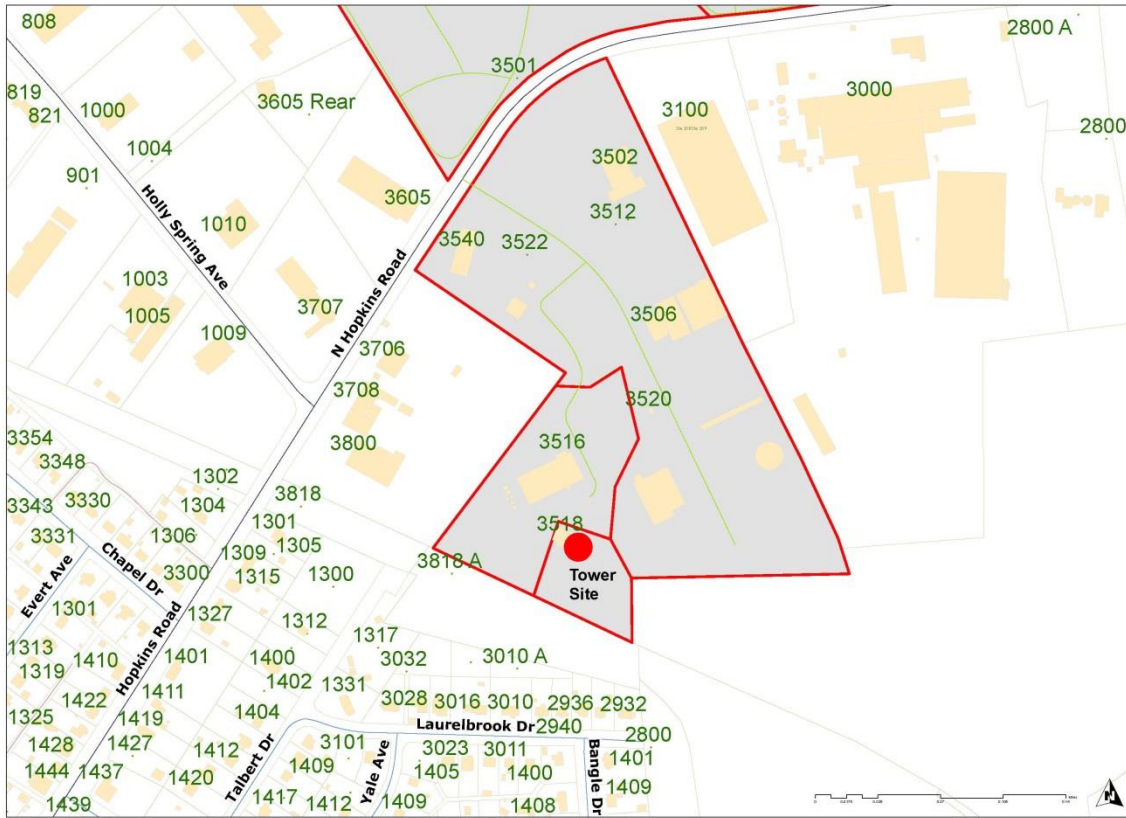


Hopkins Road Radio Tower

3518 N. HOPKINS ROAD, RICHMOND, VA 23224

Legend

- Tower Site
- Structures
- Address
- Richmond Property
- Parcels



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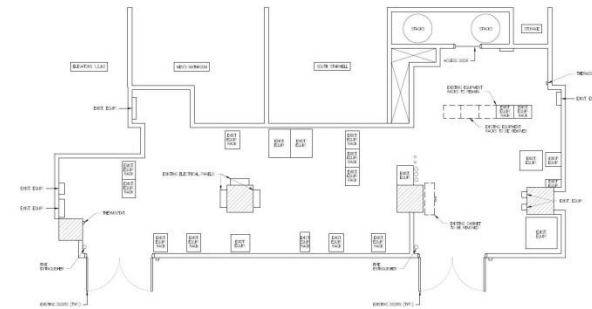
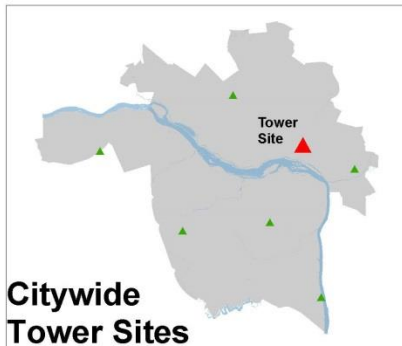
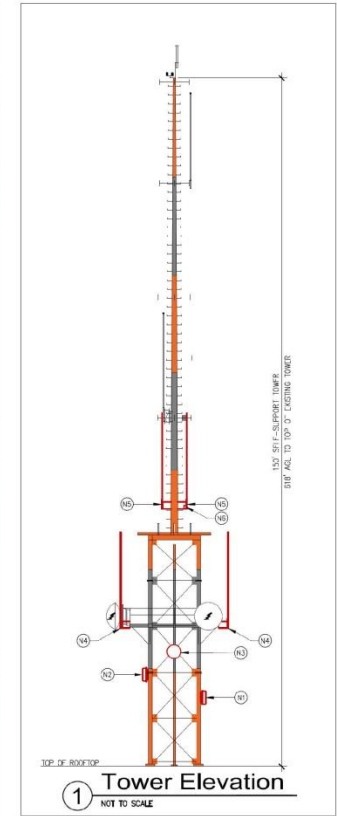


City Hall Radio Tower

900 E. BROAD STREET, RICHMOND, VA 23219

Legend

- Tower Site
- Structures
- Address
- Richmond Property
- Parcels



New Sites

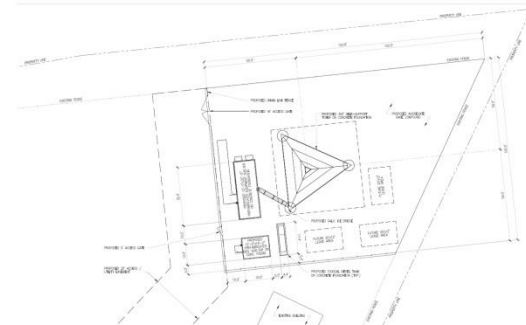
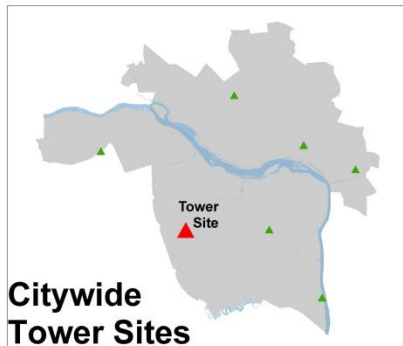
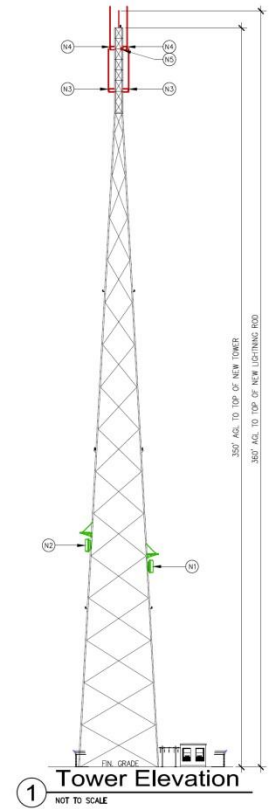


Fire Station 23 Radio Tower

495 LABROOK CONCOURSE, RICHMOND, VA 23224

Legend

- Tower Site
- Structures
- Address
- Richmond Property
- Parcels



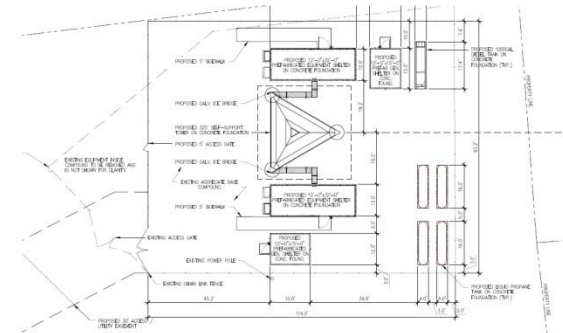
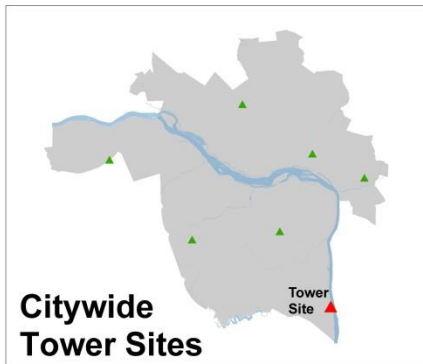
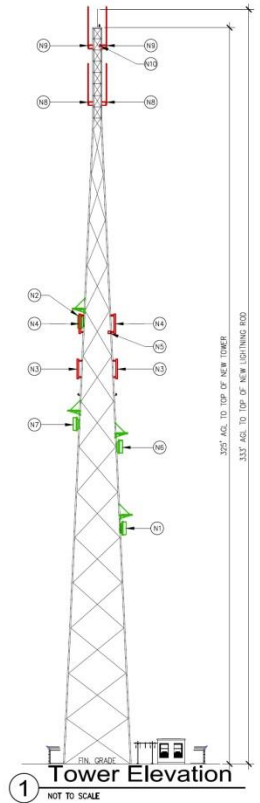
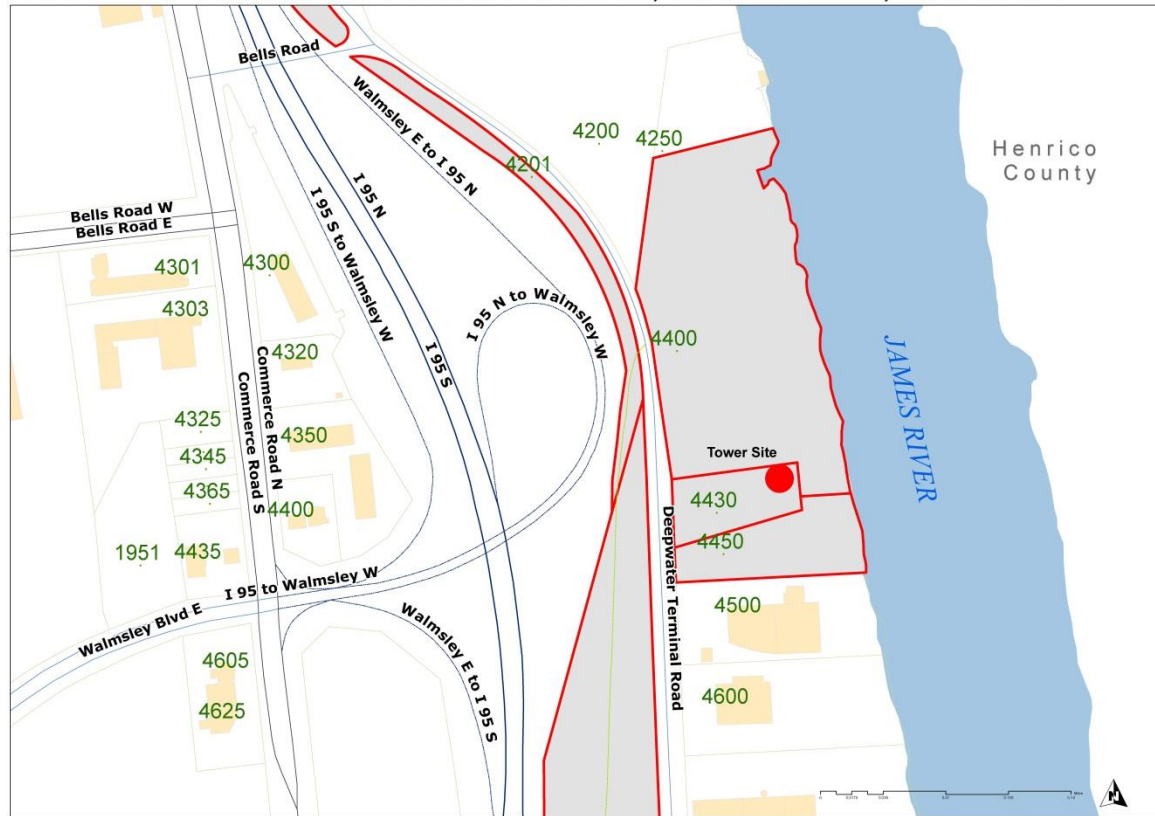


Port of Richmond Radio Tower

4430 DEEPWATER TERMINAL ROAD, RICHMOND, VA 23234

Legend

- Tower Site
- Structures
- Address
- Richmond Property
- Parcels








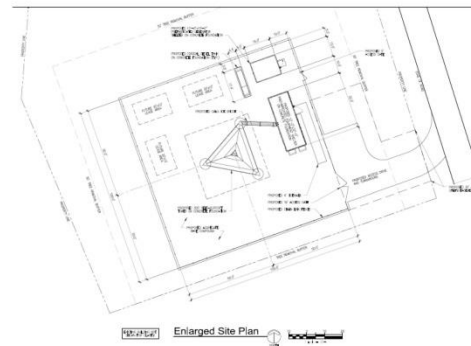
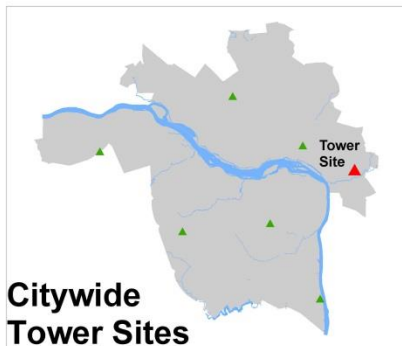
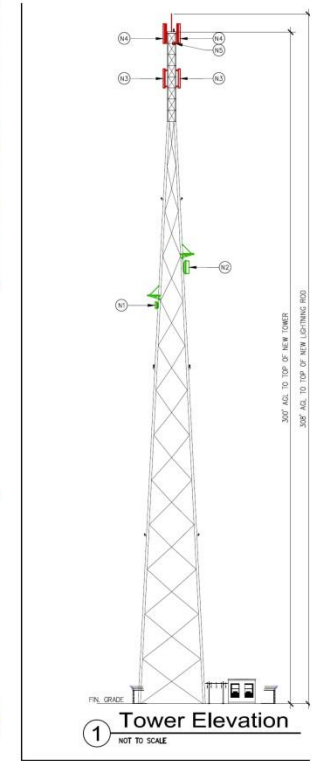
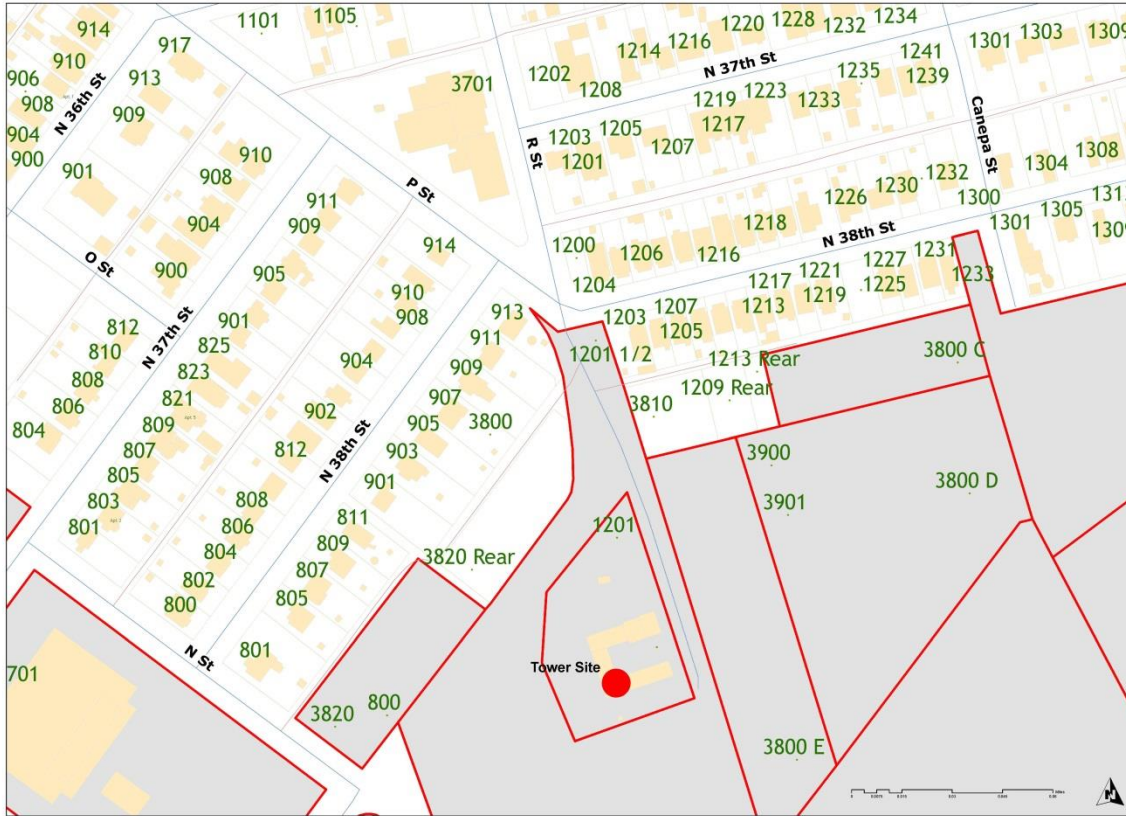
East End Radio Tower Location

N 38TH ST. RICHMOND, VA 23223

City of Richmond, VA
Geographic Information Systems

Legend

-  Tower Site
-  Structures
-  Parcels
-  Richmond Property
-  Address



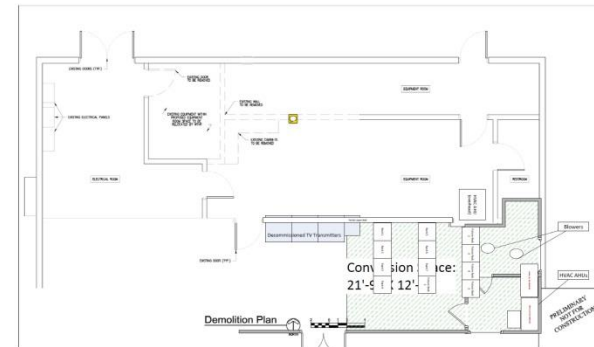
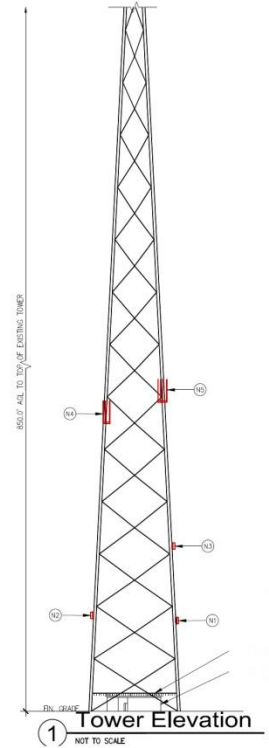
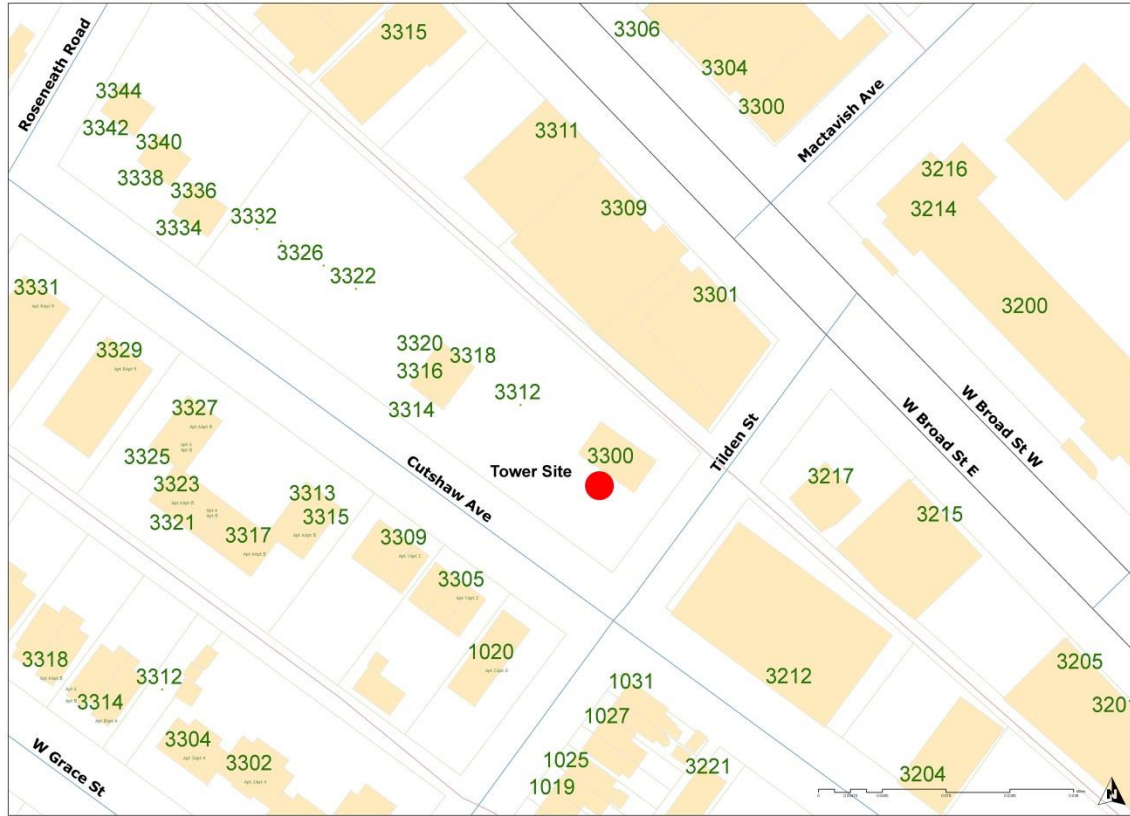


WTVR Radio Tower

CUTSHAW AVENUE, RICHMOND, VA 23230

Legend

- Tower Site
- Structures
- Address
- Richmond Property
- Parcels



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Questions ?