CITY OF SYRACUSE, MAYOR BEN WALSH
300 South State Street, Suite 700 Syracuse, NY 13202
Department of Neighborhood and Business Development
Jake Dishaw, Zoning Administrator
Office of Zoning Administration – P: (315)448-8640 E: Zoning@syr.gov

MaSPR-24-41	***Staff Report – December 18, 2024***
Application Type:	Major Site Plan Review
Project Address:	See table below

Address	Tax Map ID	Owner	Zone District
947 Pond Street	006.-12-53.0	Syracuse Housing Authority & Toomey-Abbott	Mixed-Use Transition, MX-3
710 Lodi Street	018.-02-29.0	Syracuse Housing Authority & Toomey-Abbott	Urban Core, MX-4
1153 W Fayette Street	099.-03-02.1	1153 Owner LLC	Mixed-Use Transition, MX-3
122 W Seneca Turnpike	071.-19-21.0	Valley Vista Houses Inc	High Density Residential, R5
417 Churchill Avenue	072.-09-19.0	Bernadine Apartments Inc	Planned Institutional, PID
821 E Brighton Avenue	062.-02-01.0	Syracuse Senior Citizens Project Corp c/o Rochester Management	High Density Residential, R5
510 Kirkpatrick Street	007.-29-04.4	Cathedral Candle Company	Planned Development, PDD
1233-43 W Onondaga Street	092.-22-01.0	City of Syracuse	Open Space, OS
369-79 6th North Street	001.1-01-12.0	City of Syracuse	Light Industry and Employment, IN
City of Syracuse Right-of-way	n/a	City of Syracuse	n/a

Summary of Proposed Action:	The applicant is requesting for a Major Site Plan Review to install aerial and underground fibers within the City right-of-way, seven (7) roof mounted antennas on seven (7) separate parcels, and one (1) monopole and one (1) self-supporting structure on two (2) separate parcels.
Owner/Applicant	Owners' information shown in "Project Address" section above. Jennifer Tifft, City of Syracuse (Applicant)
Existing Zone District:	Shown in "Project Address" section above.
Companion Application(s)	None
Scope of Work:	The scope of work includes: (i) installation of 20 miles of aerial and underground fiber optic cables utilizing existing utility poles and fiber optic ducts, all of which are within the City Right-of-Way; (ii) installation of seven roof mounted wireless antenna arrays at 947 Pond Street, 710 Lodi Street, 1153 W Fayette Street, 122 W Seneca Turnpike, 417 Churchill Avenue, 821 E Brighton Avenue, and 510 Kirkpatrick Street; (iii) installation of one monopole 80 feet tall at 1233-43 W Onondaga Street; and (iv) installation of one 180 feet tall self-supporting structure at 369-79 6th North Street.

Staff Analysis:

Factors:

- This agenda item is an overall review of the Master Plan of Surge Link Expansion. The proposal involves fiber construction in the right-of-way, roof-mounted antenna installation, equipment and structure construction on 24 properties, and subscriber connection. The applicant will need to apply for separate zoning applications and building permits for construction on each site in following phases.

- The proposal is to construct new infrastructures in the City right-of-way and on properties to expand the existing City of Syracuse-owned broadband network. The expanded network will reach areas of the city that experience the highest rates of poverty and unemployment and lowest educational attainment when compared across the city or county as a whole.

- Route survey has been conducted by the applicant to determine the optimized route that requires the least amount of construction. The underground and aerial cable installation in the right-of-way will use the existing infrastructure and is estimated to replace maximum 25 utility poles in the project. With no new additional utility poles installed in the right-of-way, the construction will not bring a significant visual impact in the street and will not cause significant impact on the existing infrastructure.

- The proposed seven (7) new antenna will all be installed on large apartment or office buildings where already have a history of antenna installation. The addition of new antenna will not be in sharp contrast to the surrounding setting.

- State Historic Preservation Office (SHPO) has reviewed the proposal and determined that the antenna and fiber installations at 1153 W Fayette Street and 1714 Salina St N & Exchange St, which are two properties listed as National Register of Historic Places, will not have adverse impact on historic resources.

- Given the timeline, working hours, personnel and equipment, the construction will not have significant adverse impact on the property. The construction will happen during daytime and no heavy equipment will be used. Less than five (5) staff is needed for a single construction and a single construction will take ten (10) to fourteen (14) days to finish. The limited scope (small crew, short timeline, no heavy machinery) and daytime working hours contribute to a relatively low-impact project.

- The proposed monopole which to be installed on the property situated at 1233-43 W Onondaga Street is compliant with dimensional and design standards in zoning code. The property situated at 1233-43 W Onondaga Street is an open space with existing landscaping buffers along property line which are able to mitigate the visual impact on adjacent residential zone districts and land uses.

- The proposed self-supporting structure which to be installed on the property situated at 369-79 Sixth North Street is compliant with height requirement but has a design of lattice work. Per zoning code, a decision on whether the lattice design is acceptable is needed.

	- The majority of the property situated at 369-79 Sixth North Street is located in floodplain area per FEMA Flood Map. However, the location where the self-supporting structure will be installed is not in the floodplain (See Figure 1). Therefore, the proposal will not cause construction of utility tower in floodplain area. **Recommended conditions:** • The applicant shall comply with the general conditions for approval on Site Plan Review application. (See the attached sheet "General Conditions for Site Plan Review, Special Use Permit and Project Plan Review Approval). • In addition to the General Conditions, Staff recommends of the following specific conditions: o Applicant shall obtain any necessary zoning approval and permit before construction start. o Applicant shall report to Syracuse Office of Zoning Administration if any changes have been proposed to project plans. New zoning applications may be required for changes. o All towers, antennas, and support structures shall comply with all applicable federal as well as state and local regulations including but not limited to Federal Communications Commission, Federal Aviation Administration, and New York State Building Code. If such regulations are changed or amended, at any future date, then the owners of such facilities shall bring those facilities into compliance with such regulations within six months of the effective date of such changes or amendments, unless a more restrictive compliance schedule is mandated by the controlling agency.
SEQR Determination:	Pursuant to the 6 NYCRR §617.2(al), the proposal is an Unlisted Action
Onondaga County Planning Board Referral:	Pursuant to GML §239-l, m and n, the proposal was reviewed by the Onondaga County Planning Board with no concerns. The Board has provided following comments: 1. The New York State Department of Transportation reminds the City and applicant any work or installation of facilities within the State right-of-way must be permitted by NYSDOT. 2. The Board encourages the applicant and City to seek alternative siting for the 80' monopole to be located in the center of the Onondaga-Geddes Playlot due to the location being a recreational area for children and the visual prominence of the site to the surrounding residential neighborhood. If an alternative location cannot be found, the Board encourages the impact of the monopole be minimized by relocating the pole from the center of the site and/or screening the pole from view to the extent practicable. Additionally, the municipality should ensure the pole and fence are safe from potential climbing or use by children utilizing their Playlot.

Application Submittals: The application submitted the following in support of the proposed project:

- Major Site Plan Review application
- Full Environmental Assessment Form Part 1
- High Level Network Design Key Map for City of Syracuse – Municipal Infrastructure Program. Prepared by CBN Syracuse Municipal LLC.

- Network Design Package for City of Syracuse – Municipal Infrastructure Program. Prepared by CBN Syracuse Municipal LLC. Date: 09/30/2024.
- Site Plan for Monopole Construction (Sheet C-1). Prepared by Sky High Architecture. Scale: 1"=20'. Date: 03/09/2024.
- Monopole Configuration and Drawing. Prepared by Musco Lighting. Date: 07/26/2023.
- Monopole Foundation Detail. Prepared by Musco Lighting. Date: 08/06/2024
- Soil investigation and Geotechnical Recommendation Report for Monopole Construction. Prepared by CME Associates, Inc. Date: 07/22/2024.
- Self-Supporting Structure Configuration Plan. Prepared by Rohn Products LLC.

Attachments:

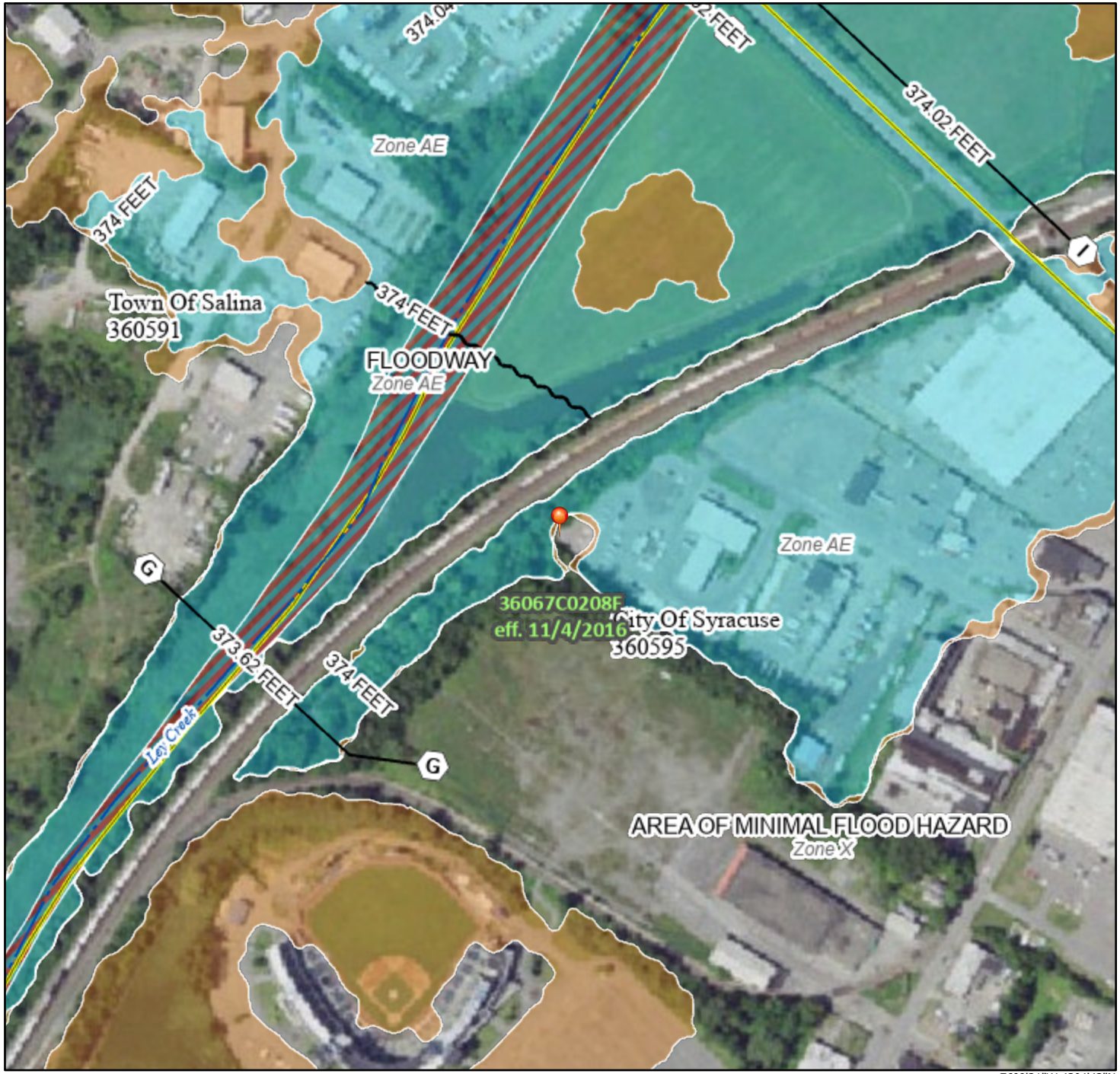
- Major Site Plan Review Application
- Full Environmental Assessment Form Part 2 & Part 3
- IPS Comments from City Departments
- OCPB Comments

National Flood Hazard Layer FIRMette

Figure 1

FEMA

76°10'8"W 43°5'9"N



76°9'31"W 43°4'42"N

Feet

0 250 500 1,000 1,500 2,000

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/12/2024 at 4:29 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

For Office Use Only
Zone District: _____
Application Number: _____- _____-_____
Date: _____

Office of Zoning Administration
300 S State St, Suite 700
Syracuse, NY 13202
Phone: (315) 448-8640
Email: zoning@syrgov.net

Site Plan Review Application

This application may be emailed, or mailed, or delivered in person to the Syracuse Office of Zoning Administration. Do not bind application materials. Faxed submissions will not be processed. ***Email submissions must be packaged together in a single PDF with all applicable materials, please call if you want to discuss another electronic delivery method****. If you wish to discuss the application with a member of our staff, please call ahead for an appointment.*

General Project Information

Business/project name: City of Syracuse Surge Link Expansion - NYS ConnectALL Municipal Infrastructure Program	
Street address (as listed in the Syracuse Department of Tax Assessment property tax records): Syracuse City Hall, 233 East Washington Street, Syracuse, NY 13202	
Tax Map ID#: See application materials, multiple parcels	Lot size (sq. ft.): N/A
Current use of property: See application materials, multiple parcels	Proposed: N/A
Current number of dwelling units (if applicable): N/A	Proposed: N/A
Current number of affordable dwelling units (if applicable): N/A	Proposed: N/A
Current onsite parking (if applicable): N/A	Proposed: N/A
Zone District (base and any overlay) of property: See application materials, multiple parcels	
Companion zoning applications (if applicable, list any related zoning applications): N/A	
Type of Site Plan: ■ Major ☐ Minor	
Project construction (check all that apply): ☐ Demolition (full or partial) ■ New construction ■ Exterior alterations ☐ Site changes	

Detailed description of the project (required):

The City of Syracuse is expanding its award-winning Surge Link internet service network to over 13,500 additional locations across Northern, Western, and Southern city neighborhoods. The project, funded by the New York State ConnectALL Municipal Infrastructure Program, is a hybrid deployment of fiber optic and fixed-wireless access equipment. The expanded network will reach areas of the city that experience the highest rates of poverty and unemployment and lowest educational attainment when compared across the city or county as a whole. The infrastructure, consisting of approximately 20 miles of fiber optics and 10+ wireless hubs, will be 100% City-owned. The City will partner with the Community Broadband Networks Syracuse Municipal LLC (CBN) to install, operate, and maintain the network.

The project, as outlined in the attached materials, consists of aerial and burial fiber optic deployment, wireless equipment deployment on existing structures and two new telecommunications structures. The fiber optic deployment largely leverages existing utility pole and conduit infrastructure primarily located in the Right of Way. The wireless equipment deployment consists of hardware with a minimal footprint - approximately 2-4 square feet per deployment- and will largely leverage existing structures and buildings. Lastly, the project includes two new structures to be constructed on City of Syracuse-owned parcels that are consistent with and minimally invasive to the surrounding sites and infrastructure. Exact locations, structure types, and installation methods are presented in the attached materials.

Site Plan Review Application

Office of Zoning Administration
300 S State St, Suite 700
Syracuse, NY 13202
Phone: (315) 448-8640
Email: zoning@syrgov.net

Owner/Owner's Agent Certification

By signing this application below, I, as the owner of the property under review give my endorsement of this application.		
Print owner's name: Jennifer Tifft		
Signature:	Date: 11/18/2024	
Mailing address: 233 East Washington Street, Syracuse, NY 13202		
Phone: 3154488123	Email: jtifft@syr.gov	
Print authorized agent's name:	Date:	
Signature:		
Mailing address:		
Phone:	Email:	
The names, addresses, and signatures of all owners of the property are required. Please attach additional sheets as needed. **If a property owner designates an authorized agent as a legal representative to apply on their behalf or to present the project at the City Planning Commission, please attach an executed power of attorney**. Faxed or photocopied signatures will not be accepted.		

Required Submittal Sheet

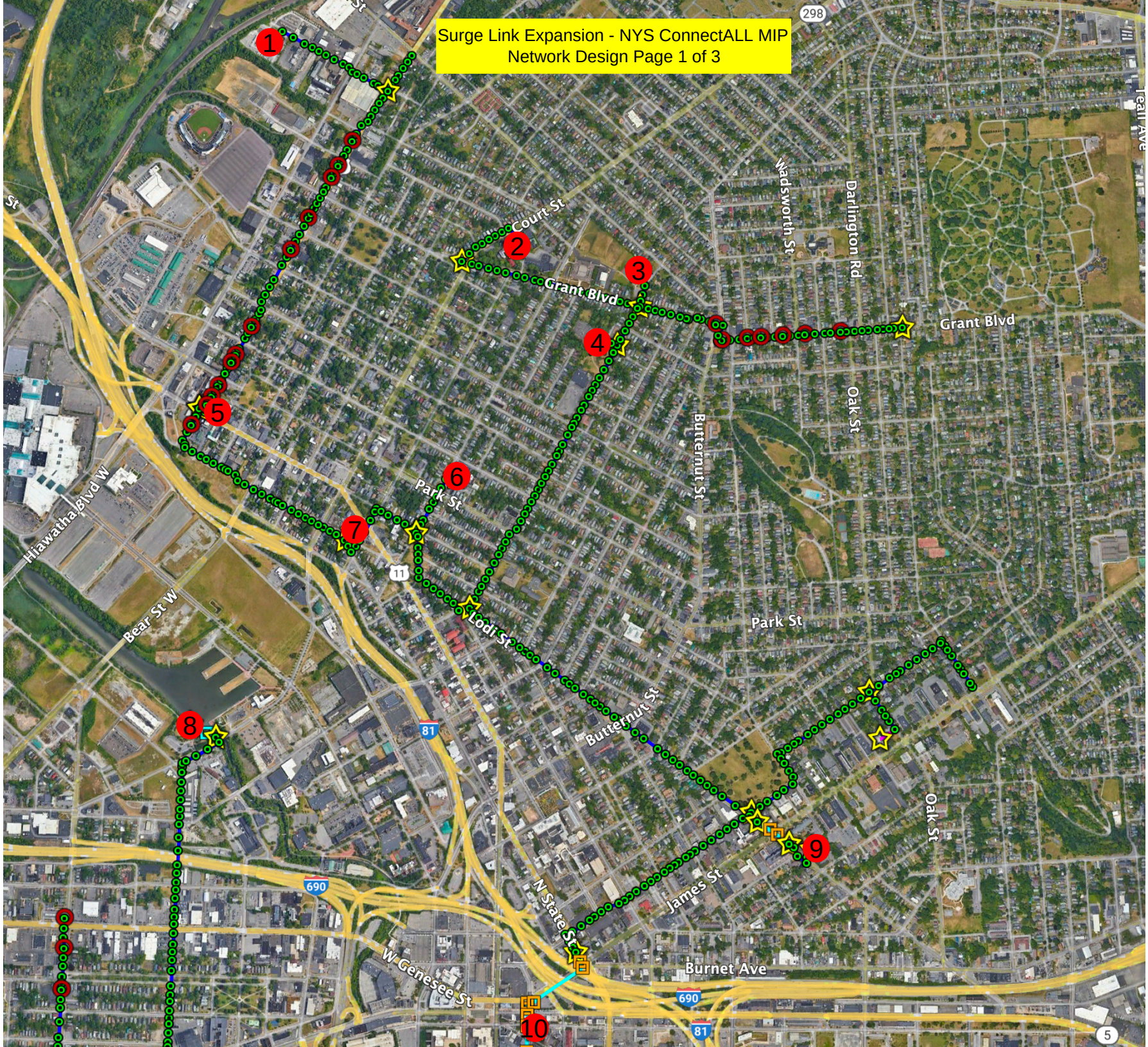
INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED

Please submit one copy of each of the following:

- ■ **APPLICATION** – filled out completely, dated, and signed by property owner as instructed
- ■ **STATE ENVIRONMENTAL QUALITY REVIEW ACT (SEQR)** – Short Environmental Assessment Form (SEAF) Part One filled out to the best of your ability, dated, and signed
- ■ **PHOTOGRAPHS (COLOR) of the PROJECT SITE** – keyed to a property survey or site plan
- ■ **PHOTOGRAPHS (COLOR) of the STREETSCAPE** – including properties adjacent to and across the street from the project site, labeled with addresses and keyed to a property survey or site plan
- ■ **APPLICATION FEE** – $0

Please submit PDFs of plans into one PDF package containing all applicable submittal requirements detailed below. For projects with multiple sites, ***separate site plan review applications must be submitted for each project site.*** *Hard copies of plans may be submitted in person. All plans must include a title block with author, date, scale, and the Property Tax Assessment address, and must be an accurate graphic representation of all pertinent information that can be correctly interpreted by any person without additional explanation.*

- ■ **AS BUILT PROPERTY SURVEY(S)** of all involved properties illustrating boundaries and current conditions including structures, fencing, parking surface, and retaining walls (signed and stamped by a licensed surveyor)
- ■ **SITE PLAN(S)** illustrating site alterations and post project conditions that are/will be different from the as built property survey including:


Surge Link Expansion - NYS ConnectALL MIP
Network Design Page 1 of 3
1
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8
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10
Court St
Grant Blvd
Grant Blvd
Wadsworth St
Darlington Rd
Oak St
Butternut St
Park St
Park St
Hiawatha Blvd W
Bear St W
Lodi St
Butternut St
Oak St
James St
N State St
W Genesee St
Burnet Ave
298
11
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690
690
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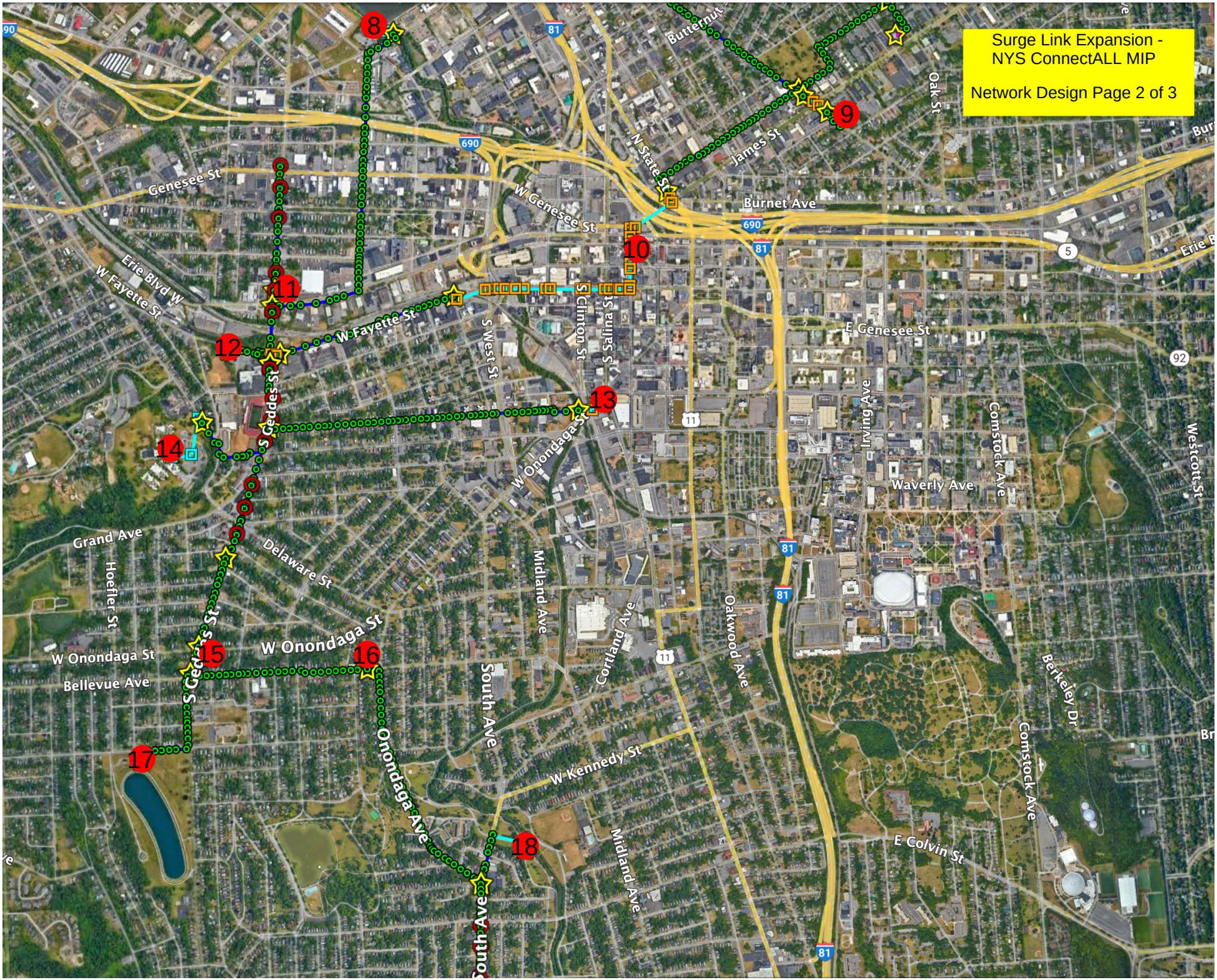
Surge Link Expansion -
NYS ConnectALL MIP
Network Design Page 2 of 3
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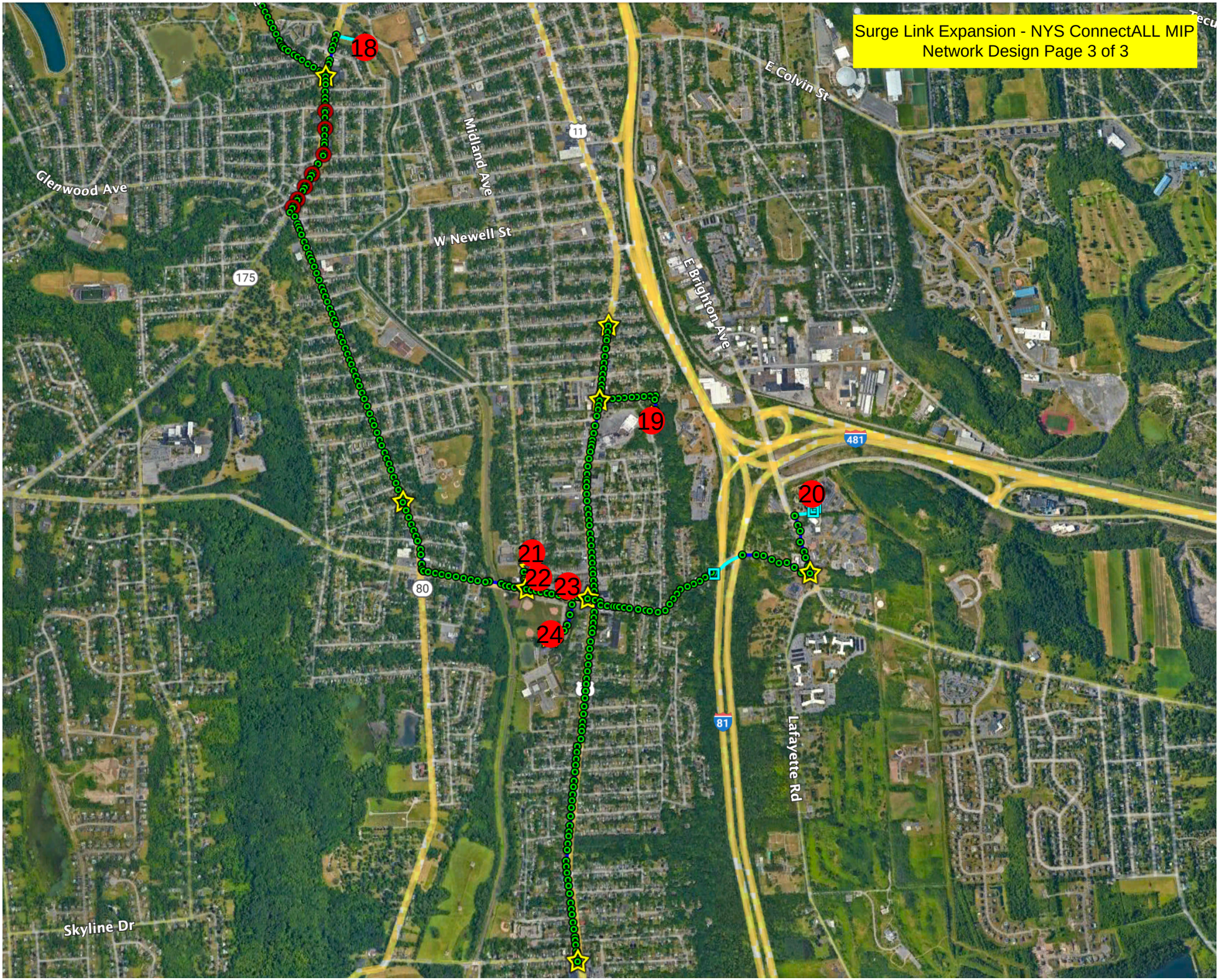
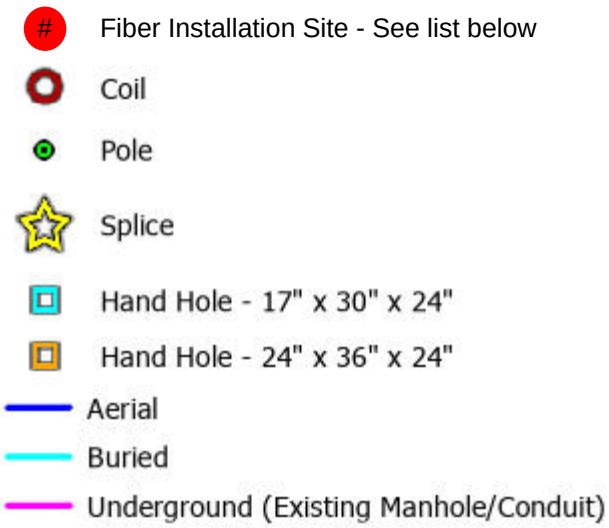
16
17
18
Genesee St
W Genesee St
E Genesee St
Burnet Ave
Erie Blvd W
W Fayette St
S Geddes St
S West St
S Clinton St
S Salina St
N State St
James St
Oak St
Butternut
W Onondaga St
Grand Ave
Hoefler St
Delaware St
Midland Ave
Cortland Ave
Oakwood Ave
Irving Ave
Comstock Ave
Waverly Ave
Westcott St
Berkeley Dr
Bellevue Ave
South Ave
Onondaga Ave
W Kennedy St
E Colvin St
690
81
5
11
92


Surge Link Expansion - NYS ConnectALL MIP
Network Design Page 3 of 3
18
19
20
21
22
23
24
Glenwood Ave
Midland Ave
W Newell St
E Colvin St
E Brighton Ave
Lafayette Rd
Skyline Dr
175
11
481
80
81

CBN SYRACUSE MUNICIPAL LLC – MUNICIPAL INFRASTRUCTURE PROGRAM

High Level Network Design Key



Definitions:

Slack Coil - a loop or extra length of fiber optic cable stored at various points along a route to provide flexibility during installation and maintenance. It allows for future re-splicing, repairs, or modifications without needing to install additional fiber, ensuring the network can accommodate changes or accidental damage.

Splice - The connection of two fiber optic cables to create a continuous optical path. This is done using fusion splicing, where fibers are melted and fused. Splices are typically placed in protective enclosures to prevent damage and signal loss.

Handhole - An underground access point for housing and protecting splices, slack coils, and other equipment in a fiber optic network. It is typically smaller than a manhole and allows technicians to access the network for testing, splicing, or maintenance without disrupting the surface above.

Fiber Installation Site #	Tax Map ID#	Zone District	Notes
1	001.1-01-12.0	LI	Self-Support Tower - SCSD Garage - see project narrative
2	006.-10-01.6	MX-2	Former Maria Regina site
3	006.-11-20.0	OS	Armond Magnarelli Community Center
4	006.-12-53.0	MX-3	Vinette Towers
5	002.-03-05.1	MX-4	Moyer Carriage Lofts - Former Penfield Building
6	007.-29-04.4	PDD	Cathedral Candle Company
7	007.-13-06.0	MX-2	Fire Station #2
8	117.-01-11.1	OS	Inner Harbor - Progress Park - Fiber Distribution Cabinet
9	018.-02-29.0	MX-4	Ross Towers
10	103.-17-08.0	MX-5	State Tower
11	105.-09-16.0	MX-3	Fire Station #5
12	099.-03-02.1	MX-3	1153 W Fayette - New SPD/SFD Headquarters
13	096.-05-01.0	MX-5	Chimes Building
14	098.2-01-05.4	MX-4	SDC Site
15	092.-22-01.0	OS	Monopole - Onondaga-Geddes Corner Playlot - see project narrative
16	092.-13-16.0	R2	Fire Station #3
17	088.-15-04.0	OS	Woodland Reservoir
18	083.-07-27.0	OS	Traveler's Rest Building - Parks Department
19	072.-09-19.0	PID	The Bernadine
20	062.-02-01.0	R5	Brighton Towers
21	071.-19-23.0	MX-2	Fire Station #18
22	071.-19-23.0	MX-2	Cecile Community Center
23	071.-19-21.0	R5	Valley Vista Apartments
24	068.-01-01.0	OS	John Dunn Ice Rink / Meachem Field - Fiber Distribution Cabinet

SITE PLAN REVIEW APPLICATION MATERIALS

Project:
City of Syracuse Surge Link Expansion

Funded by
New York State ConnectALL Municipal Infrastructure Program

Table of Contents

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: City of Syracuse Surge Link Expansion - NYS ConnectALL Municipal Infrastructure Program		
Project Location (describe, and attach a general location map): The project is lcoated throughout the City of Syracuse in Northern, Western, and Southern neighborhoods.		
Brief Description of Proposed Action (include purpose or need): The proposed action is to support expansion of an existing City of Syracuse-owned broadband network. This consists of fiber deployment aerially and underground utilizing existing infrastructure in the Right of Way, with minimal new construction to accommodate deployment where existing infrastructure isn't suitable or available. Wireless equipment will primarily utilize existing building rooftops, with the proposed project to construct new telecom structures at two city-owned sites that require minimal site preparation.		
Name of Applicant/Sponsor: City of Syracuse, Jennifer Tifft, Director of Strategic Initiatives	Telephone: 315-448-8123 E-Mail: jtifft@syr.gov	
Address: 233 East Washington Street, Suite 203		
City/PO: Syracuse	State: New York	Zip Code: 13202
Project Contact (if not same as sponsor; give name and title/role):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, or Village Board of Trustees ☑Yes ☐No	City of Syracuse Common Council - Funding and Agreement Execution	June 6, 2024
b. City, Town or Village Planning Board or Commission ☐Yes ☑No		
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☑No		
e. County agencies ☐Yes ☑No		
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	State Historic Preservation Office - Historic Building Attachment NYS Department of Transportation - Road/Interstate Construction	November 1, 2024 December 1, 2024
h. Federal agencies ☐Yes ☑No		

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☑Yes ☐No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes ☑No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☐Yes ☑No

If Yes, identify the plan(s):

_____

_____

_____

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

_____

_____

_____

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Zoning classifications vary throughout the project area, but the proposed action is within the allowable actions/uses for the respective sites.

b. Is the use permitted or allowed by a special or conditional use permit? ☐ Yes ☑ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Syracuse City School District

b. What police or other public protection forces serve the project site?
Syracuse Police Department

c. Which fire protection and emergency medical services serve the project site?
Syracuse Fire Department

d. What parks serve the project site?
City of Syracuse Department of Parks, Recreation & Youth Programs

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)?

b. a. Total acreage of the site of the proposed action? _____ acres
b. Total acreage to be physically disturbed? _____ acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☐ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☐ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☐ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐Yes ☐No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	_____	_____	_____	_____
At completion of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? ☐Yes ☐No

If Yes,

i. Total number of structures _____

ii. Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length

iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐Yes ☐No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐Other specify:

_____

iii. If other than water, identify the type of impounded/contained liquids and their source.

_____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☐Yes ☐No

If Yes:

i .What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

_____

_____

i*v.* Will there be onsite dewatering or processing of excavated materials? ☐Yes ☐No

If yes, describe. _____

_____

v. What is the total area to be dredged or excavated? _____acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐Yes ☐No

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐Yes ☐No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☐No

If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐Yes ☐No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☐Yes ☐No

If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐Yes ☐No

If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No
- Do existing lines serve the project site? ☐Yes ☐No

iii. Will line extension within an existing district be necessary to supply the project? ☐Yes ☐No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐Yes ☐No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

_____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☐Yes ☐No

If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

_____

_____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐Yes ☐No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No

- Do existing sewer lines serve the project site? ☐Yes ☐No
- Will a line extension within an existing district be necessary to serve the project? ☐Yes ☐No

  If Yes:
  - Describe extensions or capacity expansions proposed to serve this project: _____

_____

_____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes ☐No

If Yes:
- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

_____

_____

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

_____

_____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☐Yes ☐No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

_____

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

_____

_____

- If to surface waters, identify receiving water bodies or wetlands: _____

_____

_____

- Will stormwater runoff flow to adjacent properties? ☐Yes ☐No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐Yes ☐No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐Yes ☐No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

_____

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

_____

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

_____

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☐No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☐No

ii. In addition to emissions as calculated in the application, the project will generate:
- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☐No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☐No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☐No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

_____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☐No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

_____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

_____

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☐No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: _____
- Saturday: _____
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: _____
- Saturday: _____
- Sunday: _____
- Holidays: _____

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐ Yes ☐ No

If yes:

i. Provide details including sources, time of day and duration:

_____

_____

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☐ No

Describe: _____

_____

n. Will the proposed action have outdoor lighting? ☐ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

_____

_____

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☐ No

Describe: _____

_____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☐ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

_____

_____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☐ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities:_____

_____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☐ No

If Yes:

i. Describe proposed treatment(s):

_____

_____

_____

_____

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☐ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____

  _____
- Operation: _____

  _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____

  _____
- Operation: _____

  _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☐ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☐ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

_____

_____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

_____

_____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

_____

_____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

_____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

_____

_____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☐ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)

☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

_____

_____

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces			
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____ _____			

c. Is the project site presently used by members of the community for public recreation? ☐Yes ☐No

i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐Yes ☐No

If Yes,

i. Identify Facilities:

_____

_____

e. Does the project site contain an existing dam? ☐Yes ☐No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐Yes ☐No

If Yes:

i. Has the facility been formally closed? ☐Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐Yes ☐No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐Yes ☐ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐Yes ☐No

☐ Yes – Spills Incidents database Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database Provide DEC ID number(s): _____

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures:_____

_____

_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐Yes ☐No

If yes, provide DEC ID number(s): _____

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____

_____

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☐ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

_____

_____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? _____ feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☐ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site: _____ _____%
_____ _____%
_____ _____%

d. What is the average depth to the water table on the project site? Average: _____ feet

e. Drainage status of project site soils: ☐ Well Drained: _____% of site
☐ Moderately Well Drained: _____% of site
☐ Poorly Drained _____% of site

f. Approximate proportion of proposed action site with slopes: ☐ 0-10%: _____% of site
☐ 10-15%: _____% of site
☐ 15% or greater: _____% of site

g. Are there any unique geologic features on the project site? ☐ Yes ☐ No
If Yes, describe: _____

_____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☐ Yes ☐ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☐ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☐ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☐ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

_____

i. Is the project site in a designated Floodway? ☐ Yes ☐ No

j. Is the project site in the 100-year Floodplain? ☐ Yes ☐ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☐ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☐ No
If Yes:

i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site: _____

_____ _____ _____

_____ _____ _____

n. Does the project site contain a designated significant natural community? ☐ Yes ☐ No

If Yes:

i. Describe the habitat/community (composition, function, and basis for designation): _____

_____

ii. Source(s) of description or evaluation: _____

iii. Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☐ No

If Yes:

i. Species and listing (endangered or threatened): _____

_____

_____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☐ No

If Yes:

i. Species and listing: _____

_____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☐ No

If yes, give a brief description of how the proposed action may affect that use: _____

_____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☐ No

If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☐ No

i. If Yes: acreage(s) on project site? _____

ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☐ No

If Yes:

i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

_____

_____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☐ No

If Yes:

i. CEA name: _____

ii. Basis for designation: _____

iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐Yes ☐No

If Yes:

i. Nature of historic/archaeological resource: ☐Archaeological Site ☐Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based:

_____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☐Yes ☐No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐Yes ☐No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐Yes ☐No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐Yes ☐No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐Yes ☐No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name City of Syracuse, Jennifer Tifft Date 10/23/24

Signature _____ Title Director of Strategic Initiatives

PRINT FORM

CITY OF SYRACUSE – MUNICIPAL INFRASTRUCTURE PROGRAM

CBN SYRACUSE MUNICPAL LLC- AWARDED PRIME CONTRACTOR

COVER PAGE

Network Design Package

September 30, 2024

Project Name: Municipal Infrastructure Program

Project Location: City of Syracuse, New York

Project Duration: 2024-2026

Project Owner: City of Syracuse

Project Manager: CBN Syracuse Municipal LLC

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CBN SYRACUSE MUNICIPAL LLC – MUNICIPAL INFRASTRUCTURE PROGRAM

Narrative

KEY CONSTRUCTION PHASES

FWA P.O.P Construction

Phase 1: Site Selection & Leasing: The City and CBN have been working extensively on locating strategic P.O.P. sites utilizing existing City or quasi-government assets. This process focuses on building/structures that either have existing wireless equipment or is suitable for the same based on the property zoning. We do not install any equipment on schools or places of worship. Any equipment that is installed is approximately 1/5 the size of typical wireless equipment. The average wireless cellular transmitter is 150-180lbs whereas the average weight of our equipment is 12lbs with the maximum being 40lbs. Additionally, our equipment does not emit more than 1 watt of power per FCC requirements, whereas typical cellular can be up to 50 watts in urban settings like Syracuse.

Phase 2: P.O.P. Construction: As depicted herewith, our P.O.P. construction process does not involve any heavy equipment and is typically no more than 5 days. This process involves the mounting of equipment at the highest point of a building and/or where other wireless equipment is located utilizing existing poles. If mounting poles are not present on a building, we install these utilizing a simple though bolting with a steel backing plate installation to ensure security and longevity. All of our equipment is powered with either -24V POE or -48V, and therefore, there is no electrical work to be performed. Low voltage electric and data lines are run through conduit all leading back to a main server cabinet that houses our power distribution modules as well as routers and monitoring servers. In addition to installing transmitters, we also install high-capacity Air-Fiber receivers where we are able to provide the site with a 10Gb link from existing transmission points prior to the arrival of fiber.

Phase 3: P.O.P. Equipment Certification: We select random points (varying in “difficulty”) throughout each sectors propagated coverage and make test connections to ensure we are meeting or exceeding the speed requirements and performance standards.

- Building Mounted -

Utility Pole Mounted

FWA P.O.P. Sites - City of Syracuse:
As of September 20, 2024

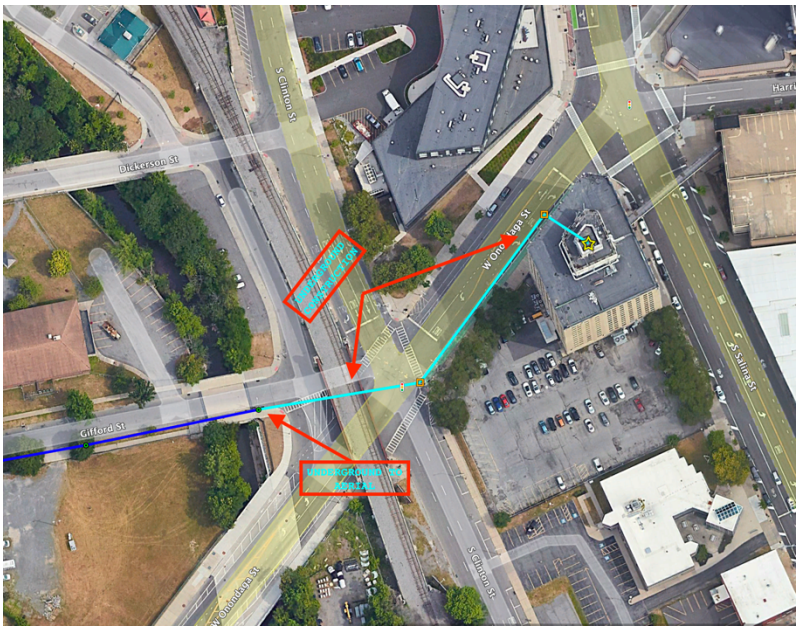
1. 947 Pond St (Roof Mount)
2. 369-79 6th N St (Self-Support Structure)
3. 710 Lodi St (Roof Mount)
4. 43.033805, -76.174326 (Monopole)
5. 1153 W. Fayette (Roof Mount)
6. 122 W Seneca Tpk (Roof Mount)
7. 417 Churchill Ave (Roof Mount)
8. ~~989 James St (Roof Mount)~~
9. 821 E Brighton Ave (Roof Mount)
10. 510 Kirkpatrick St (Roof Mount)

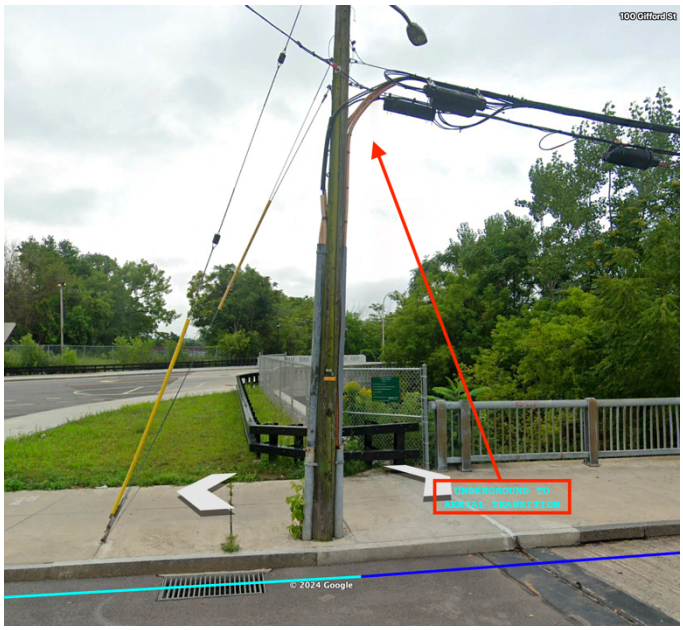
Fiber Construction

Phase 1: Route Survey & Engineering: As part of our fiber design process, our field engineers have performed an on-site "walk through" of the entire fiber route as well as a "drive through" of the target neighborhoods to design the most efficient construction process by figuring out which routes will require the least amount of construction ("Route Optimization"). The walk through provides a first-hand perspective on every foot of fiber being run to identify existing underground conduit as well as any pertinent pole information. Our goal is to utilize as much existing infrastructure as possible to minimize any road work or general construction. In addition, we look for any unforeseen obstacles/hazards, essentially anything that could delay maximum efficiency to then incorporate solutions in our engineering plans prior to commencing construction.

Phase 2: Pole Attachment/Make-Ready & Permitting: We capture hi-res photos, GPS locations, and critical details of each utility pole in our route utilizing technology that enables our QC team to ensure the highest levels of accuracy when optimizing routes for the least amount of make-ready construction. CBN has a trusted partner that has been in the fiber permitting/expediting industry for over twenty years. We have a very well-established permitting process that allows us to obtain permits in unmatched speed. CBN intends to coordinate with the City to obtain any local permits required and ensure that any construction is in compliance with City permit requirements.

Phase 3: Underground Construction: Underground construction will be the first phase of our fiber build as the City's colocations are located in downtown Syracuse where all utilizes are underground. As described above, CBN intends to utilize as much existing infrastructure as possible. Given that this is a City project, the City has committed to providing its resources and abilities, in conjunction with CBN, to negotiate with existing conduit/manhole owners to run our fiber through their excess conduit. Overall, we have exceptionally short underground runs which are only to go from the colocation to the nearest aerial utility pole.





Phase 4: Aerial Construction: Aerial construction will be the second phase of our fiber build where we will be efficiently providing connection to our P.O.P. sites, City Sites, and neighborhood/commercial arteries. CBN has optimized its routes and only expects to replace a maximum of 25 utility poles throughout the entire aerial deployment. Overall, our aerial deployment will be no more than 8 weeks to minimize neighborhood disruption.

Connected City Sites:

1. 1024-1124 Court St
2. 806-08 Bellevue Ave
3. 800 South Wilbur Avenue
4. 825 Stolp Ave
5. 2308 Grant Blvd
6. 2300 Lodi St
7. 1160 Onondaga Creek Blvd
8. 174 W Seneca Turnpike
9. 3801 Midland Ave
10. 121 W Seneca Tpk

Phase 4.1: Fiber Distribution Cabinets: CBN will install strategically located distribution cabinets to provide ease of open access for 3rd party ISPs to lease excess fiber capacity to generate more consumer options and promote competition within the City. These cabinets will be mounted either on a select few utility poles as well as municipal buildings depending on the accessibility. It will be CBN's goal to mount these cabinets in the most accessible locations.

Fiber distribution cabinets:
As of September 20, 2024

1. 2308 Grant Blvd
2. 368 West Kirkpatrick Street
3. 43.033805, -76.174326
4. 1160 Onondaga Creek Blvd
5. 121 W Seneca Tpk

Phase 4.2: Fiber Drops: In conjunction with our distribution cabinet installations and our general aerial fiber installation, we will install strategic fiber drop points for open access and expansion purposes. These drops will just be a storage coil and distribution box to provide a seamless ability to expand the network in the future.

Fiber drop points:

1. Grant Blvd business corridor
2. Wolf St corridor
3. James St Corridor
4. Geddes St business corridor

Subscriber Connection

Phase 1: Subscriber Installation: Our subscriber connection process is exceptionally simple. We utilize a self-contained FWA receiver to provide high-speed internet to our subscribers. The installation process entails mounting this receiver on the customer's home utilizing a mounting bracket at 4 screws (which in most cases is approximately the size of a cell phone), followed by running a single ethernet line from the receiver into the customer's home. This single ethernet line provides data and power to the receiver. In-home WiFi is provided utilizing a small router. All of our installation technicians are local to the Syracuse area and take great pride in serving their neighbors. We ensure that our technicians are trained to go above and beyond the typical ISP installation and connect a subscriber's devices as well as offer a brief training on how to use WiFi connectivity, especially to elderly or disabled subscribers. Our entire installation process takes approximately two hours on average.

Structure Construction

Note: CBN anticipates building two "Structures" as part of this project. One of the Structures will be an 80' monopole (see photo) and the other will be a 150' self-support Structure (see photo). The monopole is not much larger in ground surface area than a standard utility pole. The self-support Structure occupies approximately 256sqft of ground surface area (16' X 16'). Both of these structures are located on City-owned property with the self-support Structure specifically located on industrially zoned property.





Construction Overview: Monopole: The installation of the monopole is an exceptionally non-invasive. An almost unrecognizable 24" hole is drilled into the ground and a 7,800lbs precast concrete base is dropped into the hole. A small amount of concrete backfill is poured around the precast base to ensure integrity. The prefabricated Structure, which comes in two 40' sections, is then put together onsite, lifted, and then dropped on top of the precast base. It really is that simple. The overall construction is no longer than two working days. Below are photos from a monopole installed at a City of Syracuse fire station by CBN.

Construction Overview: Self Support Structure: The proposed self-support Structure is specifically designed for fixed-wireless deployments to provide the most minimal ground footprint and vertical appearance. Construction involves excavating a small 16' X 16' base that is 4' deep. CBN intends on removing any excess fill as excavation is taking place to eliminate any long-term stockpiling of fill. The entire excavation and removal process will take no longer than one day. After digging, the foundation forms are placed, and rebar is installed. We embed a prefabricated mounting base into the rebar layout and then pour concrete. The entire concrete installation process will only require approximately three trucks and about 2-4 hours. After the required cure period, pre-assembled Structure sections will be delivered and installed section-by-section stacking one on top of the other. In total there are 8 sections to achieve 150' of vertical height. All of this activity will take place in a self-contained area in the back corner of an industrial mechanical shop neighbored by a railroad track.


CBN SYRACUSE MUNICIPAL LLC
"Empowering Affordable Internet
info@cbn-rochester.com
www.cbn-rochester.com
(315) 325-5000

P.O.P. CONSTRUCTION PLAN

Standard Installation Example (Subject To Change Per P.O.P. Site)

Construction Timeline

[Day 1] **Site prep**: site safety, surface protection, preliminary demo/rough work

[Day 2] **Installation of mounting poles + conduit**: through drilling, mounting pole assembly and erection, conduit assembly and mounting, conduit penetrations as needed.

[Day 3] **Installation of radios + cabling**: installation of FWA radios/leveling, pulling/ terminating cabling

[Day 4] **Installation of cabinet + initial startup**: assembly of cabinet and installation of internal equipment, make physical connections, startup equipment and test all connections.

[Day 5] **Finishing work + site cleanup**: as needed- painting, drywall, facade work to restore worksite to original condition. Overall site cleanup.

Construction Working Hours

7AM-7PM

Construction Personnel and Equipment

2-5 staff
1-3 commercial vehicles
No heavy equipment

P.O.P. Testing/Certification

[Day 1] **Test site selection**: identification of test sites utilizing propagation modeling tool

[Day 2-3] **Site testing**: obtaining and recording site measurements

[Day 4] **Report creation**: creation of P.O.P Certification Report utilizing recorded measurements taken during day 2-3.

Overall P.O.P. Site Build/Test Time Requirement

10-14 days per site

Sample Photos

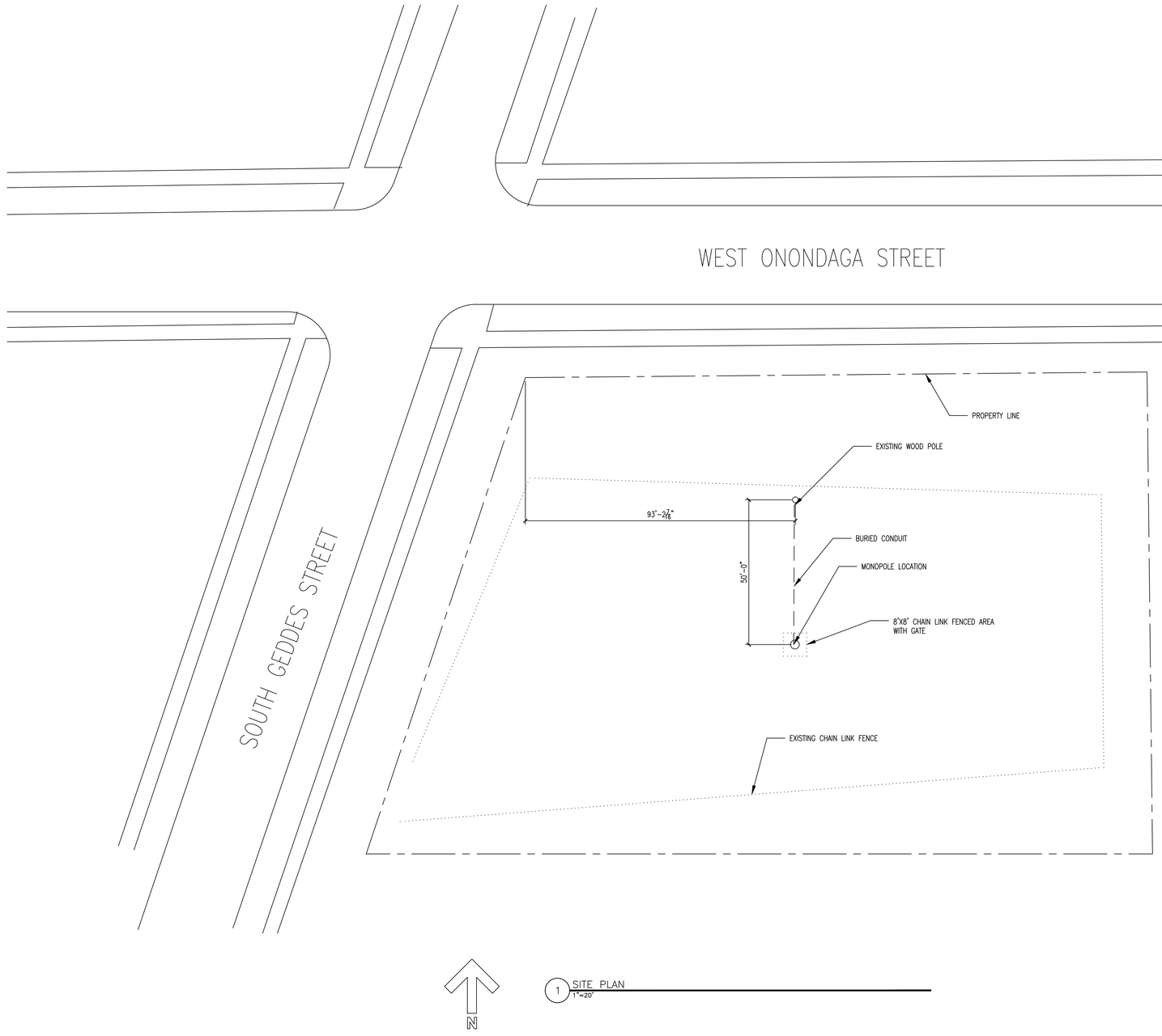
- Building Mounted -

Utility Pole Mounted

Proposed Production Schedule *Location: Onodaga-Geddes Park*				
Task	**Approxmiate Date**	**Duration**	**On-Site Activity**	
811 DigSafe Markout	02/07-02/09	1 hour	Markout	
On-Site Walk Through	02/12-02/14	1 hour	Walkthrough	D
Architectual Site Plans	02/15-02/29	2 weeks	None	O
Permit Submittal	03/01-03/05	1 week	None	N
811 DigSafe Markout	03/06-03/08	1 hour	Markout	E
Geotechinal Test Bore	03/12-03/14	5 hours	Approximately 8" test hole made. Backfilled after test complete.	
811 DigSafe Markout	03/26-03/29	1 hour	Markout	
Site-Prep	04/01-04/02	4 hours	General site/safety prep	
Site-Safety	04/01-04/02	4 hours	General site/safety prep	
Skid Steer Delivery	04/01-04/02	1 hour	Delivery of skid steer. Parked on property.	
Augur Excavation	04/03-04/04	6 hours	36" hole dug. Fill stockpiled during excavation.	
Fill Load-Out Removal	04/03-04/04	2 hours	Load truck to remove excess fill from site	
Sonotube Installation	04/03-04/04	1 hour	Install Sonotube retention system	
Transport Base & Pole	04/03-04/04	2 hours	Offload and staging of materials	
Crane Service	04/04-04/05	4 hours	Install precast concrete base	
Install Base	04/04-04/05	4 hours	Install precast concrete base	
Concrete Installation	04/04-04/05	3 hours	Installation of live concrete	
Concrete Cure	2 weeks	2 weeks	Concrete cure period. Materials left onsite.	
Electrical Service Installation	04/09-04/12	3 days	Electrical drop/panel installed	
Crane Service	04/22-04/23	8 hours	Assembly and erection of monopole	
Install Structure	04/22-04/23	8 hours	Assembly and erection of monopole	
Fence Installation	05/01-05/03	8 hours	Installation of chainlink fence	
Germination	05/13-05/17	2 hours	Seed spread	
*Structure climber/ground crew will access the site for various intervals 1-2 weeks after installation of radios to make adjustments as needed.				

Proposed Production Schedule *Location: SCSD Garage*			
Task	**Approxmiate Date**	**Duration**	**On-Site Activity**
811 DigSafe Markout	02/07-02/09	1 hour	Markout
On-Site Walk Through	02/12-02/14	1 hour	Walkthrough
Architectual Site Plans	02/15-02/29	2 weeks	None
Permit Submittal	03/01-03/05	1 week	None
811 DigSafe Markout	03/06-03/08	1 hour	Markout
Geotechinal Test Bore	03/12-03/14	5 hours	Approximately 8" test hole made. Backfilled after test complete.
811 DigSafe Markout	03/26-03/29	1 hour	Markout
Site-Prep	04/01-04/02	4 hours	General site/safety prep
Site-Safety	04/01-04/02	4 hours	General site/safety prep
Equipment Delivery	04/01-04/02	1 hour	Delivery of skid steer and excavator. Parked on property.
Excavation	04/03-04/04	10 hours	20' X 20' hole dug. Fill stockpiled during excavation.
Fill Load-Out Removal	04/03-04/04	6 hours	Load truck to remove excess fill from site
Rebar Delivery	04/03-04/04	1 hour	Delivery and offload of rebar
Rebar Installation	04/04-04/08	5 days	Bend, tie, and fabricate rebar cage
Anchor Bolt Installation	04/08-04/08	4 hours	Installation and leveling of anchor bolt layout utilizing template
Concrete Installation	04/09-04/09	6 hours	Installation of live concrete
Concrete Cure	2 weeks	2 weeks	Concrete cure period. Materials left onsite.
Electrical Service Installation	04/09-04/12	3 days	Electrical aerial run, drop, and panel installed
Crane Service	04/22-04/24	3 days	Erection of Structure
Install Structure	04/22-04/24	3 days	Live assembly of Structure
Fence Installation	05/01-05/03	2 days	Installation of chainlink fence
*Structure climber/ground crew will access the site for various intervals 1-2 weeks after installation of radios to make adjustments as needed.			

D
N
E



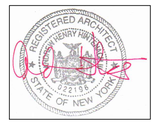
1 SITE PLAN
1"=20'

Sky High Architecture

86 Castle Street
Geneva, New York 14456

(315) 759-5772

REVISION SCHEDULE	
NAME	DATE



PROJECT:
MONOPOLE PLACEMENT
ONONDAGA GEDDES PLAYGROUND

CLIENT:
CBN AMERICA LLC

DRAWING:
POLE SITE PLAN

DRAWN:	CHECKED:
AHH	

DATE: AHH

SCALE: MARCH 9 2024

JOB NO.:

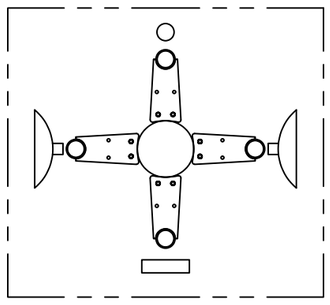
SHEET:

C-1

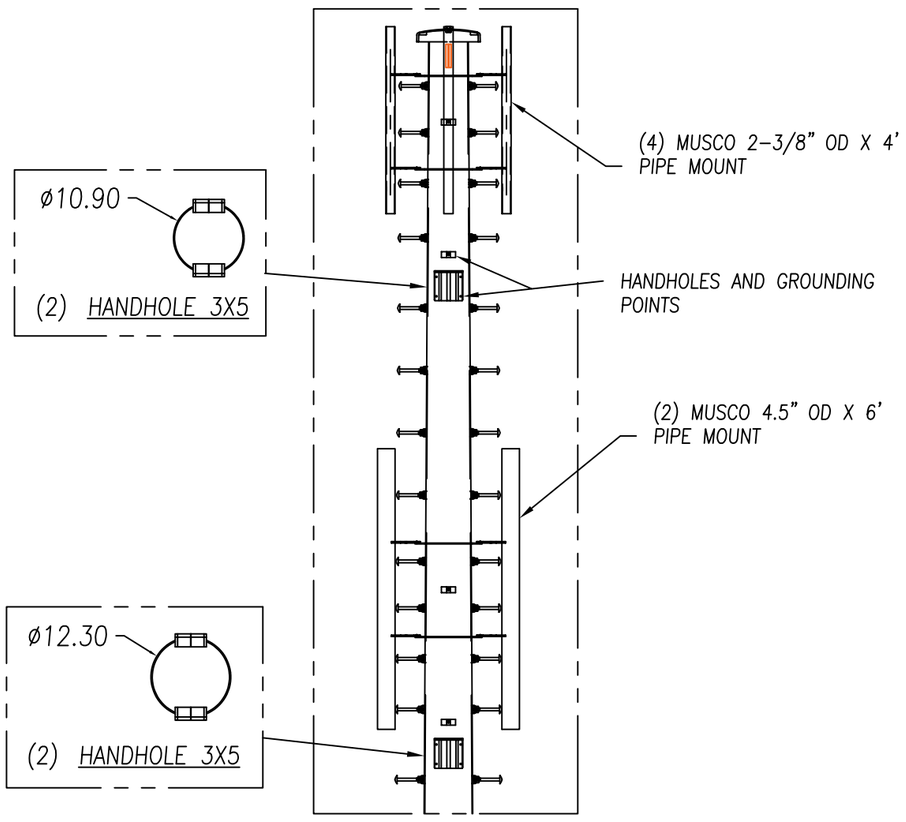

Monopole Site
W Onondaga St
W Onondaga St
W Onondaga St
S Geddes St
1233

3RD ANGLE PROJECTION
ASME Y14.5M-1994

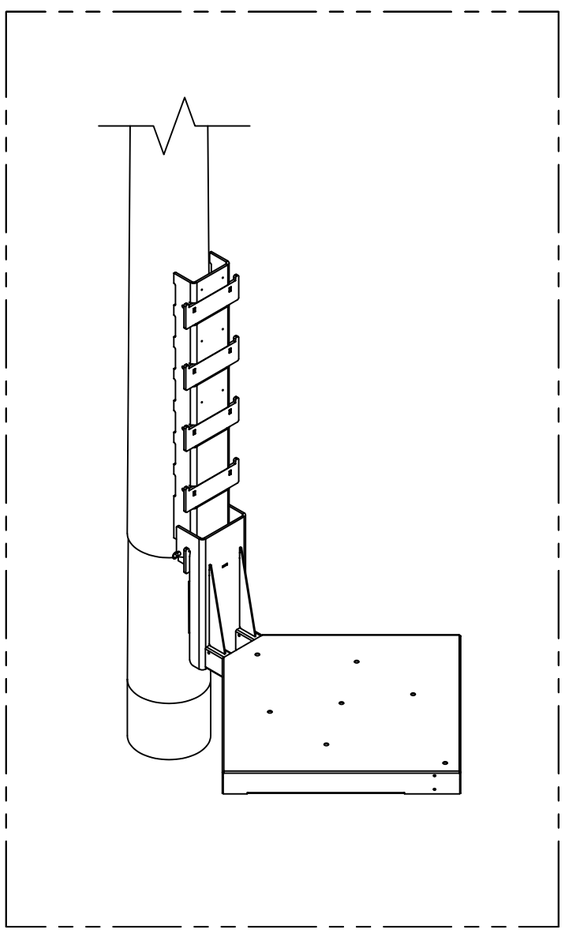
EQUIPMENT DATA TABLE				
LOCATION	EQUIPMENT	QTY	WEIGHT	DIMENIONS
78 ft.	Ubiquiti Omni Ant.	1	5.29 lb.	2" DIA. x 31.5"H
78 ft.	Tarana RN Radio Ant.	1	7.0 lb.	11"L X 3"W X 12.5"H
78 ft.	Ubiquiti 60XR Dish	2	28.7 lb.	26.1"W x 15.1"D X 30.7"H
68 ft.	Ubiquiti MW Dish	2	16.8 lb.	25.6" DIA. x 7.9" D



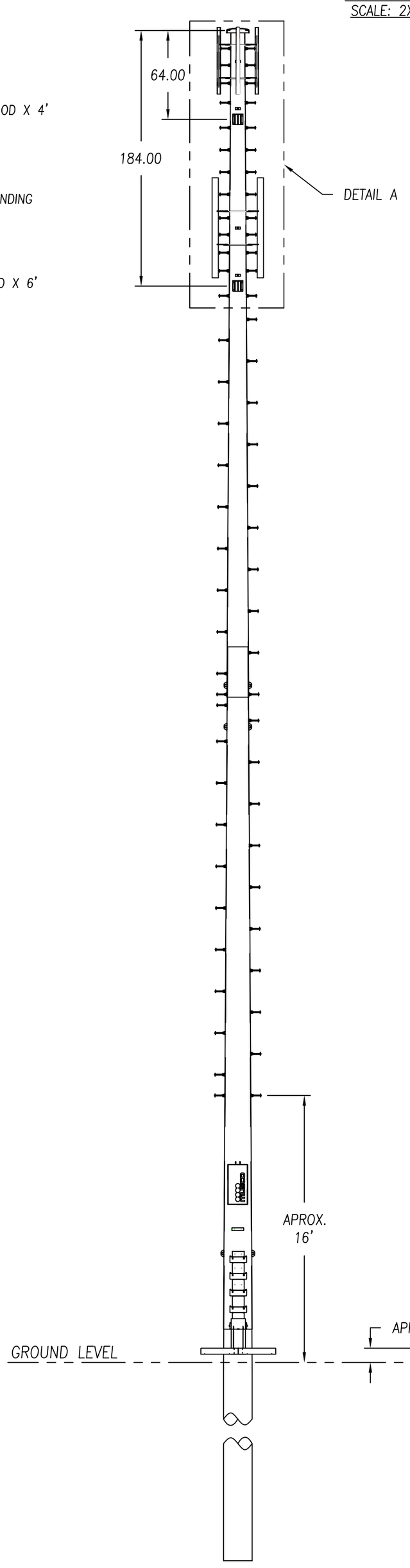
SECTION A:A
SCALE: 2X

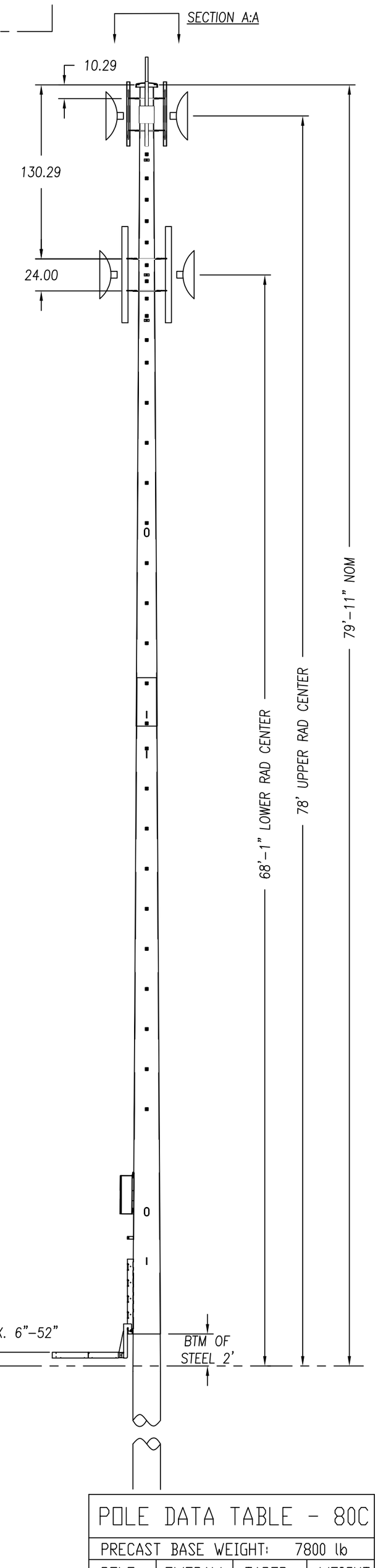


POLE TOP DETAIL A
SCALE: 2X



PLATFORM ISO VIEW
SCALE: 4X





POLE DATA TABLE - 80C			
PRECAST BASE WEIGHT: 7800 lb			
POLE SECTION	OVERALL LENGTH	TAPER LENGTH	WEIGHT (LBS)
TOP	40'0"	40'0"	1040
BOTTOM	40'11.232"	40'11.232"	1920

STATE OF NEW YORK
ANTONIO A. GUALTIERI
071249
LICENSED PROFESSIONAL ENGINEER

Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.
Project Contact Info
1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656
(800) 829-6531
www.tectonicengineering.com

Tectonic WO#:

JOB NUMBER:	DRAWN BY:	CHECK BY:	REPRESENTATIVE:	SCALE:	DATE:	DRAWING NUMBER:
226835	MP		J. Hawk	NTS	7/26/2023	226835P1

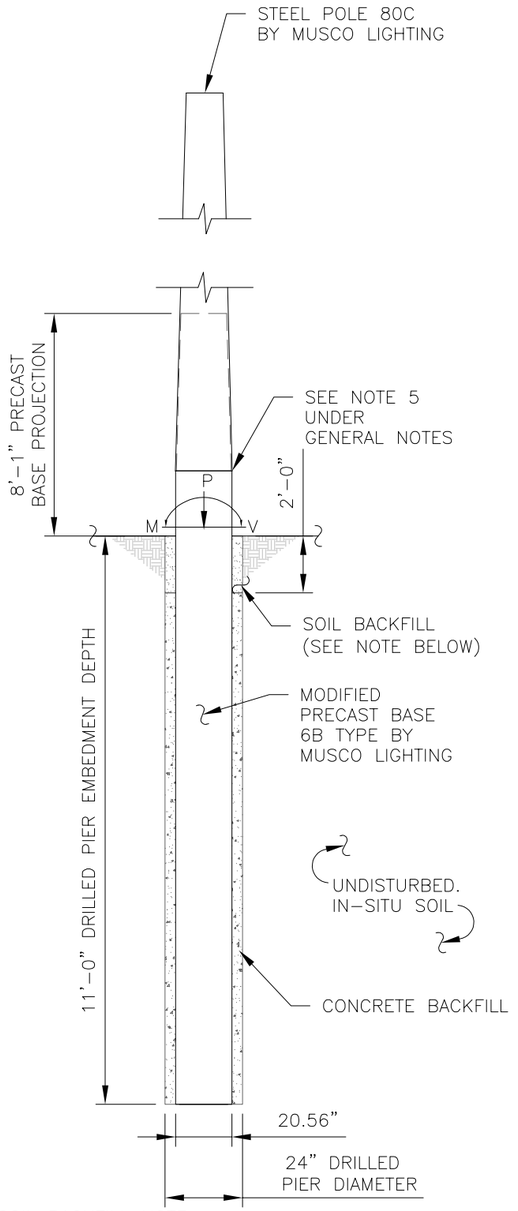
1 OF 1 SHEETS

DATE:	BY:	R.L.	REVISIONS:

MUSCO Lighting
CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
+1-800-825-6020
+1-641-673-0411

Community Broadband Network CBN
Syracuse, NY
Pole Configuration Drawing

C



SOIL BACKFILL NOTE:
THE TOP TWO FEET OF ANNULUS SHALL BE BACKFILLED WITH SOIL, WITH A CLASSIFICATION OF CLASS 5 (TABLE 1806.2) OR BETTER. COMPACTION, 95% FOR COHESIVE SOIL AND 98% FOR A COHESIONLESS SOIL BASED UPON STANDARD PROCTOR TESTING (ASTM D698).

1 / C-1 POLE ELEVATION

SCALE: NTS

GENERAL NOTES

1. CONCRETE BACKFILL IS CALCULATED TO 2 FT (0.6M) BELOW GRADE (NO OVERAGE INCLUDED). TOP 2 FT (0.6M) TO BE CLASS 5 SOIL COMPACTED TO 95% DENSITY OF SURROUNDING UNDISTURBED SOIL UNLESS OTHERWISE SPECIFIED IN STAMPED STRUCTURAL DESIGN.
2. CONCRETE BASE INCLUDES A MANUFACTURER INSTALLED CONCRETE ENCASED ELECTRODE AND CONNECTOR FOR LIGHTNING PROTECTION. GROUND CONNECTION IS MADE WHEN CONCRETE BASE IS INSTALLED AND FOOTING IS POURED. NO ADDITIONAL STEPS REQUIRED.
3. CONCRETE BACKFILL SHALL BE AIR-ENTRAINED AND HAVE A MINIMUM COMPRESSIVE DESIGN STRENGTH AT 28 DAYS OF 3,000 PSI. ALL PIERS AND CONCRETE BACKFILL MUST BEAR ON AND AGAINST FIRM UNDISTURBED SOIL.
4. PROVIDE SUPPLEMENTAL LIGHTNING PROTECTION SINCE THE PRECAST BASE IS CUT.
5. STEEL POLE SHOULD OVERLAP CONCRETE BASE AND BE SEATED TIGHT WITH 1 1/2 TON COME-ALONGS (CONTRACTOR PROVIDED).
6. ALIGN WELDMARKS ON STEEL SECTIONS BEFORE ASSEMBLING.
7. SECTION OVERLAP MUST BE PULLED TOGETHER UNTIL TIGHT. OVERLAP MUST BE PULLED TOGETHER UNTIL TIGHT. OVERLAP MEASUREMENT SHOULD BE ±6 IN (150 MM).
8. FIXTURES MUST BE LOCATED TO MAINTAIN 10'-0" MINIMUM HORIZONTAL CLEARANCE FROM ANY OBSTRUCTION. ENGINEER MUST BE NOTIFIED IF FOUNDATIONS ARE NEAR ANY RETAINING WALLS OR WITHIN/NEAR NAY SLOPES STEEPER THAN 3H : 1V. POLES, FIXTURES, PRECAST BASES, ELECTRICAL ITEMS AND INSTALLATION PER MUSCO LIGHTING.

TOWER STRUCTURE DATA

TOWER MANUFACTURER: MUSCO LIGHTING

TOWER HEIGHT = 79'-11"

FOUNDATION DESIGN LOADS:
DOWNWARD = 4 K
SHEAR = 2 K
MOMENT = 99 K-FT

CONCRETE BACKFILL = 3 CUBIC YARD

REFER TO THE TOWER ANALYSIS REPORT FOR DETAILED CALCULATIONS PREPARED BY TECTONIC, WO#: 11247.SYRACUSE, DATED 07/28/2023

ADDITIONAL NOTES

1. PRECAST BASE TO BE CUT BY MUSCO OR IN THE FIELD. CONTRACTOR TO VERIFY CUT IN DIRECT COORDINATION WITH MUSCO LIGHTING.
2. EPOXY COAT NEW BOTTOM SURFACE OF PRECAST BASE AFTER CUTTING WITH TWO-PART EPOXY COATED - SIKAGARD 62. CONTACT MUSCO LIGHTING FOR DETAILED INFORMATION

DESIGN NOTES

1. DESIGN CRITERIA:

WIND:
2020 NEW YORK STATE BUILDING CODE (IBC 2018) AND
ASCE 7-16 (ANSI/TIA-222-H-1-2019)
ULTIMATE DESIGN WIND SPEED, Vult: 109 MPH (ULTIMATE 3-SECOND GUST WIND SPEED)
EXPOSURE CATEGORY: B
RISK CATEGORY: II
TOPOGRAPHIC CATEGORY = 1; CREST HEIGHT = 0

SEISMIC:
RISK CATEGORY: II
IMPORTANCE FACTOR, Ie: 1
Ss = 0.140; S1 = 0.051
SEISMIC DESIGN CATEGORY: B

2. GEOTECHNICAL PARAMETERS (AS PER THE SOIL INVESTIGATION REPORT REFERENCED BELOW):

Table 5.1: Soil And Bedrock Information for Monopole Foundation Design

Soil Type (see Note 1)	Recommended Soil Parameters					
	N (Blows/ft.)	γ (pcf)	C' (psf)	ϕ' (degrees)	K_a	K_p
Topsoil and Organic Material	See Note 2					
Silt and Rock Fragments	50+	125 – 135	0	34 – 36	0.26 – 0.28	3.5 – 3.85
Rock Type (see Note 1)	**Recommended Rock Parameters (see Note 4)**					
	Unit Weight (pcf)	**Strain Factor (k_{rm})**	**Compressive Strength (psi)**	**Initial Modulus of Rock Mass (psi)**	**RQD (%)**	
Limestone Bedrock (see Note 3)	135 – 150	0.0004	200 – 275	30,000 – 41,250	0%	

γ = Moist Unit Weight
C' = Effective Cohesion
ϕ' = Internal Friction Angle
K_a = Active Lateral Pressure Coefficient
K_p = Passive Lateral Pressure Coefficient

ALLOWABLE BEARING PRESSURE: 10 TSF
ALLOWABLE SKIN FRICTION: 20 PSI

3. FOUNDATION DESIGN IS BASED ON THE SOIL INVESTIGATION AND GEOTECHNICAL RECOMMENDATION REPORT PREPARED BY CME ASSOCIATES, INC., DATED 07/22/2024. CONTRACTOR SHALL INCORPORATE THE RECOMMENDATIONS NOTED IN ABOVE REFERENCED REPORT DURING CONSTRUCTION.
4. A SPECIAL INSPECTOR SHALL WITNESS THE FOUNDATION INSTALLATION TO VERIFY THE SOIL DESIGN PARAMETERS AND TO PROVIDE ASSISTANCE IF ANY PROBLEMS ARISE IN FOUNDATION INSTALLATION.
5. ENCOUNTERING SOIL FORMATIONS THAT WILL REQUIRE SPECIAL DESIGN CONSIDERATIONS OR EXCAVATION PROCEDURES MAY OCCUR. POLE FOUNDATIONS WILL NEED TO BE ANALYZED ACCORDING TO THE SOIL CONDITIONS THAT EXIST. IF ANY DISCREPANCIES OR INCONSISTENCIES ARISE, NOTIFY THE ENGINEER OF SUCH DISCREPANCIES. FOUNDATIONS WILL THEN BE REVISED ACCORDINGLY. REVISIONS WILL BE ANALYZED PER RECOMMENDATIONS DIRECTED BY A REGISTERED ENGINEER.
6. ALL EXCAVATIONS MUST BE FREE OF LOOSE SOIL AND DEBRIS PRIOR TO FOUNDATION INSTALLATION AND CONCRETE BACKFILL PLACEMENT. TEMPORARY CASINGS OR DRILLERS SLURRY MAY BE USED TO STABILIZE THE EXCAVATION DURING INSTALLATION. CASINGS MUST BE REMOVED DURING CONCRETE BACKFILL PLACEMENT.CONCRETE BACKFILL MYST BE PLACED WITH A TREMIE WHEN SLURRY OR WATER IS PRESENT WITHIN THE EXCAVATION OR WHEN THE FREE DROP EXCEEDS 6'-0".
7. CONTRACTOR MUST BE FAMILIAR WITH THE COMPLETE SOIL INVESTIGATION REPORT AND BORINGS, AND CONTACT THE GEOTECHNICAL FIRM (IF NECESSARY) TO UNDERSTAND THE SOIL CONDITIONS AND THE POSSIBILITY OF GROUND WATER PUMPING AND EXCAVATION STABILIZATION OR BRACING DURING PRECAST BASE INSTALLATION AND PLACEMENT OF CONCRETE BACKFILL.

0 1 2 3
ORIGINAL SIZE IN INCHES

Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.
Project Contact Info
1279 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656
(800) 829-6531
www.tectonicengineering.com

MUSCO Lighting
CORPORATE: 100 1st AVE WEST
OSKALOOSA, IA 52577
(800) 825-6020

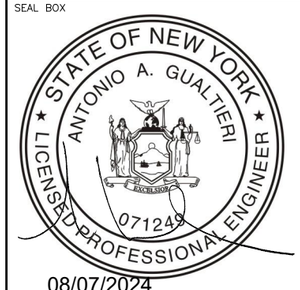
PROJECT APPROVALS

LANDLORD _____
LEASING _____
RF _____
CONSTRUCTION _____

WORK ORDER NUMBER: 11247.SYRACUSE
DRAWN BY: PG

NO.	DATE	ISSUE
0	07/28/23	FOR COMMENT
1	08/06/24	FOUNDATION REDESIGN

SEAL BOX



08/07/2024

SITE INFORMATION
COMMUNITY BROADBAND NETWORKS

SITE ADDRESS
SYRACUSE
NEW YORK

SHEET TITLE
6B PRECAST (MODIFIED) FOUNDATION FOR 80C POLE

SHEET NUMBER
C-1

6035 Corporate Drive
East Syracuse, New York 13057
(315) 701-0522
(315) 701-0526 (Fax)

www.cmeassociates.com

Transmittal

July 22, 2024

CBN America, LLC (Client)
1 Franklin Square, Suite 213
Geneva, New York 14456
Phone: 315.325.5000

Attn: James Orioli, Project Manager
james@cbn-america.com

Re: Monopole Placement Project Onondaga Geddes Playground
Syracuse, New York
CME Project No.: 28203-05

Gentlepeople:

Attached you will find….

Number of Copies	Report Number	Description
1	28203B-01-0724	Soils Investigation and Geotechnical Recommendation Report

The above report was emailed to James Orioli at james@cbn-america.com on 07/25/2024.

Respectfully submitted,
CME Associates, Inc.

Kyle Shepherd, E.I.T.
Staff Geotechnical Engineer

Soils Investigation and Geotechnical Recommendation Report

Monopole Placement Project Onondaga Geddes Playground Syracuse, New York

---

Prepared For: (Client)

CBN America, LLC
Attn: James Orioli, Project Manager
1 Franklin Square, Suite 213
Geneva, New York 14456
Phone: 315.325.5000
Email: james@cbn-america.com

Prepared By: (Geotechnical Engineer)

CME Associates, Inc.
Attn: Kyle Shepherd, E.I.T.
and Christopher R. Paolini, P.E., MPS, EXW℠
6035 Corporate Drive
East Syracuse, New York 13507
Phone: 315.701.0522 Ext. 258
Fax: 315.701.0526
Email: kshepherd@cmeassociates.com

CME Report No.: 28203B-01-0724
July 22, 2024

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CME Report No. 28203B-01-0724

Attachment Listing:

Soils Investigation and Geotechnical Recommendation Report
Monopole Placement Project Onondaga Geddes Playground
Syracuse, New York

1.0 INTRODUCTION

CME Associates, Inc. (CME) is pleased to provide this Soils Investigation and Geotechnical Recommendation Report for the subject project. CME's Scope of Basic Services and this report have been provided pursuant to the acceptance of CME Proposal/Agreement No.:05.7598, dated 06/06/2024, which was executed on 06/24/2024, by CBN America, LLC (Client).

CME conducted a limited subsurface exploration consisting of advancing 1 Test Boring and 1 Auger Probe at the project site. CME's Scope of Basic Services for this project is limited to providing geotechnical recommendations for the proposed monopole tower. Providing geotechnical recommendations for any other sitework features planned as part of this project are outside of CME's Scope of Basic Services and are expressly excluded from this report.

2.0 PROPOSED DEVELOPMENT

The proposed development will consist of a new monopole tower at Onondaga Geddes Playground. Please refer to the attached *Pole Site Plan*, dated 03/09/2024, for the location of the proposed monopole. The proposed monopole will be a steel pole supported by a drilled pier foundation. The monopole will be approximately 80 feet tall.

If any of the above information is incorrect, please let CME know in writing, so that we can revisit our recommendations, and determine if additional geotechnical evaluation is warranted.

3.0 EXPLORATION METHODOLOGY

3.1 Exploration Layout and Utility Clearance

CME selected the exploration location to be as close to the proposed tower as practical, and was marked in the field by CME. Following the field mark out, CME contacted UDig New York to clear public utilities at the exploration location. An auger probe exploration was selected after the completion of the test boring, and was selected to be within the 15 foot radius cleared by UDig New York. Private utilities at exploration locations were cleared by others.

The attached *CME Exploration Location Plan*, labeled ELP-1, depicts the approximate as-drilled exploration locations. Exploration locations and elevation at grade were obtained by CME utilizing hand-held GPS equipment. Please refer to the attached *GPS Coordinates and Elevations Table* for a description of equipment and datum used, and for GPS coordinates and elevations at the exploration locations.

3.2 Explorations

On 07/03/2024, 1 Test Boring, labeled B-1A, and 1 Auger Probe (Auger advanced without sampling), labeled B-1B, were advanced using a Diedrich D-120, truck-mounted, rotary exploration drill rig, equipped with 3-¼″ I.D. hollow stem augers and drive sampling tools, and a NQ core barrel. Soil sampling was conducted using a 140-pound automatic hammer dropping through a distance of 30 inches to drive a 2″ O.D. and/or a 3″ O.D. split barrel sampler in general conformance with ASTM Standard Practice D1586. Rock coring was performed in general conformance with ASTM Standard Practice D2113. Upon completion, each borehole was backfilled with auger cuttings to nearly match existing grade.

Samples were logged and visually classified in the field by CME's drillers, and a portion of each soil sample was placed and sealed in a glass jar. The bedrock core was placed and secured in a wooden box. The soil and rock classifications were later reviewed by a CME geologist. The visual soil and rock classifications were made using a modified Burmister Classification System, as practiced by CME, and as generally described in the attached document entitled, *General Information & Key to Test Boring Logs*. *Subsurface Exploration Logs,* labeled B-1A and B-1B are attached.

4.0 SUBSURFACE CONDITIONS

The subsurface conditions presented herein have been generalized for simplicity and brevity by the undersigned Engineer from the actual data presented on the attached Exploration Logs. Please refer to said logs for actual conditions encountered at the time, location, and elevation of each sample obtained. It is possible for the subsurface conditions between sampling intervals and between exploration locations to vary from those expressed in this section or on the Exploration Logs.

4.1 Subsurface Profile

The explorations for the proposed monopole identified a subsurface profile consisting of Surfacings (Topsoil and Organic Material), underlain by Silt and Rock Fragments, underlain by Limestone Bedrock. A brief description of each stratum is given below in the order of encounter.

Surfacings: Boring B-1A penetrated about 4 inches of Topsoil and Organic Material at grade.

Silt and Rock Fragments: Below Surfacings, Boring B-1A identified Silt and Rock Fragments, consisting of a mixture of silt and weathered limestone fragments. This stratum was penetrated to about 4.5 feet below existing grade. Auger Probe B-1B reached auger refusal at 4 feet below grade, presumably the bottom of this stratum at that location. Based on SPT[1] Blow Counts, this stratum is Hard in consistency.

Limestone Bedrock: Below Silt and Rock Fragments, a 5-foot bedrock core was extracted in Boring B-1A, which identified Limestone Bedrock. Based on a visual classification, this rock core is classified as moderately to highly weathered, thinly bedded, hard, Brown/Grey Limestone Bedrock. The sampled rock core revealed very poor rock quality based on an RQD[2] value of 0% and a recovery of 50%.

According to the Geologic Map of New York State (Finger Lakes Bedrock Sheet) by New York State Museum and Science Service, the bedrock at this site consists of “Manlius Limestone – Thin bedded dark gray or black calcilutites and calcisiltites” belonging to Helderberg Group of Lower Devonian Age.

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[1] SPT = Standard Penetration Test
[2] RQD = Rock Quality Designation

Please refer to the attached *CME Subsurface Exploration – Test Boring Logs* and the *Bedrock Core Photographs* for more details. Also, please refer to the attached *General Information & Key to Test Boring Logs* for nomenclature used to describe bedrock classifications.

4.2 Groundwater Observations

Groundwater level observations and measurements are made by the CME field crew when groundwater accumulates in the Borehole. CME notes the water level inside the borehole during advancement and following casing (auger) removal. CME also notes the visual appearance of the moisture condition of the samples as retrieved. The condition and time of groundwater level observations are unique to each Boring, time, and date, and are recorded on the individual Test Boring Logs.

During drilling, groundwater was not noted during the short exploration period. It should be noted that groundwater may not have collected, accumulated, and stabilized in the boreholes during the short time it takes to drill the holes.

Groundwater fluctuations at this site will occur depending on several factors, such as rainfall, seasonal changes, prevailing climate, and adjacent construction operations, among other factors.

4.3 Expansive Soils

Based on CME's visual naked-eye classification of the soil and bedrock samples retrieved from the explorations and the definition of "Expansive Soil" given in Section 1803.5.3 of the Building Code[3], soils and bedrock exhibiting potential expansive character were not sampled by this exploration program.

5.0 GEOTECHNICAL RECOMMENDATIONS

5.1 Foundation Support – Monopole

CME understands that the monopole foundation will be designed by a Structural Engineer, licensed in NYS, retained by the Tower Manufacturer.

CME advanced one Test Boring near the proposed monopole location. Below surfacings, the borings penetrated a subsurface profile consisting of Silt and Rock Fragments, underlain by Limestone Bedrock. Please refer to Report Section 4.1 for more details. Based on this profile and the shallow bedrock extracted in boring B-1A, the soil parameters identified on the *Musco Pole Plans*, labeled C-1, are <u>not</u> applicable.

CME understands that the lateral load analysis for the drilled pier foundation will be performed using the p–y method. Table 5.1 below presents the soil and bedrock information required by the Tower Manufacturer. Please note, the actual subsurface profile, and the soil and bedrock conditions at the proposed monopole location may vary from that noted in the applicable Borings. An Inspecting Professional Geotechnical Engineer (IPGE) shall be present during foundation drilling to inspect and verify actual soil and bedrock conditions and to determine if the information presented in Table 5.1 is applicable, or not.

[3] Building Code = 2020 Building Code of New York State

Table 5.1: Soil And Bedrock Information for Monopole Foundation Design						
Soil Type (see Note 1)	**Recommended Soil Parameters**					
	N (Blows/ft.)	**γ (pcf)**	**C' (psf)**	**ϕ' (degrees)**	**K_a**	**K_p**
Topsoil and Organic Material	See Note 2					
Silt and Rock Fragments	50+	125 – 135	0	34 – 36	0.26 – 0.28	3.5 – 3.85
Rock Type (see Note 1)	**Recommended Rock Parameters (see Note 4)**					
	Unit Weight (pcf)	**Strain Factor (k_{rm})**	**Compressive Strength (psi)**	**Initial Modulus of Rock Mass (psi)**	**RQD (%)**	
Limestone Bedrock (see Note 3)	135 – 150	0.0004	200 – 275	30,000 – 41,250	0%	

γ = Moist Unit Weight
C' = Effective Cohesion
ϕ' = Internal Friction Angle
K_a = Active Lateral Pressure Coefficient
K_p = Passive Lateral Pressure Coefficient

Notes:
1. See applicable *Test Boring Logs* for soil and rock description and classification, N-Value (blow count), and consistency or relative density, at each sampling interval.
2. Topsoil and Organic Material is unreliable bearing material and shall not be relied upon for foundation support.
3. Limestone Bedrock identified in the Test Borings was observed as moderately to highly weathered, thinly bedded, hard, Brown/Grey Limestone Bedrock.
4. The behavior of rock at a site could be controlled by joints, cracks, and secondary structure.

6.0 OTHER IMPORTANT CONSIDERATIONS

CME provides the information in this section for those using our reports, so they may acquire a better understanding of geotechnical engineering professional practice and the limitations associated with its application to this and other projects.

6.1 Changes to the Project

CME has described in Report Section 2.0 our understanding of the proposed development at the time this report is published. It is anticipated that the plans may change during the construction phase. Substantial changes consist of many items such as, but not limited to, bearing elevation, floor elevation, planned depth of cuts, or fills, decrease or increase in design loads, structure footprint growth or shrinkage, structure location movement, time period of construction (compression or relaxation), and addition or deletion of sublevel (basement or crawlspace) area, among others.

Please advise CME of substantial changes so CME can evaluate the continued applicability of the analyses and recommendations given in this Report. It will help reduce project risks, could save you time and money, and result in a higher quality construction project.

6.2 Review of Plans & Specs

CME recommends that it be afforded the opportunity to review the Plans and Specifications prepared pursuant to this Report, prior to Bidding. This review will help to verify that a correct interpretation of CME's recommendations and design intent given in this Report are implemented and incorporated into the Construction Documents. Since CME is not aware of the project schedule, it is the responsibility of the Client to forward the applicable construction contract documents to CME for review. Please allow at least 5 business days for CME to complete the review and issue a report of comments and findings.

6.3 Construction Phase Geotechnical Services

The analysis and recommendations contained in this report are preliminary and are based on the specific data obtained from the limited subsurface explorations referenced in this report. The explorations indicate subsurface conditions only at the specific locations and times, and only to the depths penetrated. The validity of the recommendations is based in part on CME's assumptions about the stratigraphy, as well as information about the proposed development provided by others. CME's assumptions may be confirmed only during earthwork and foundation construction operations.

The recommendations made in this report are based on the "Observational Method". The Observational Method ensures continuity from the design to the construction and has been at the heart of many successful construction projects. It relies upon extensive use of monitoring and observational procedures during the construction. Construction monitoring allows CME to take advantage of conditions more favorable than those anticipated based on the subsurface exploration program. It often provides for timely warning when conditions are less favorable, allowing for changes or alterations to be made before a problem shows itself in newly completed construction. Therefore, it is recommended that CME be retained to provide Construction Phase Observation and the Soil and Foundation Special Inspections. If others are retained to provide construction phase observation, a complete understanding, interpretation or execution of CME's reported recommendations may not occur.

7.0 STANDARD OF CARE AND WARRANTY

CME has endeavored to conduct the services identified herein in a manner consistent with that level of care and skill ordinarily exercised by members of the geotechnical engineering profession currently practicing in the same locality and under similar conditions as this project. No warranty, either express or implied, is made or intended by CME's proposal, contract, and written and oral reports, all of which warranties are hereby expressly disclaimed. CME shall not be responsible for the acts or omissions of Client, its contractors, agents and consultants. CME has relied upon information supplied by Client, its contractors, agents and consultants, or information available from generally accepted reputable sources, without independent verification, and CME assumes no responsibility for the accuracy thereof.

8.0 CLOSING COMMENTS

In accordance with CME's Subcontract for Geotechnical Services, CME will dispose of all unconsumed samples sixty (60) days after submission of this report. All consumed samples were disposed of immediately after test completion. If you would like us to retain the unconsumed samples for a longer time period, please email a request to do so, within five (5) business days from the date of this report to Sharon Avila, savila@cmeassociates.com.

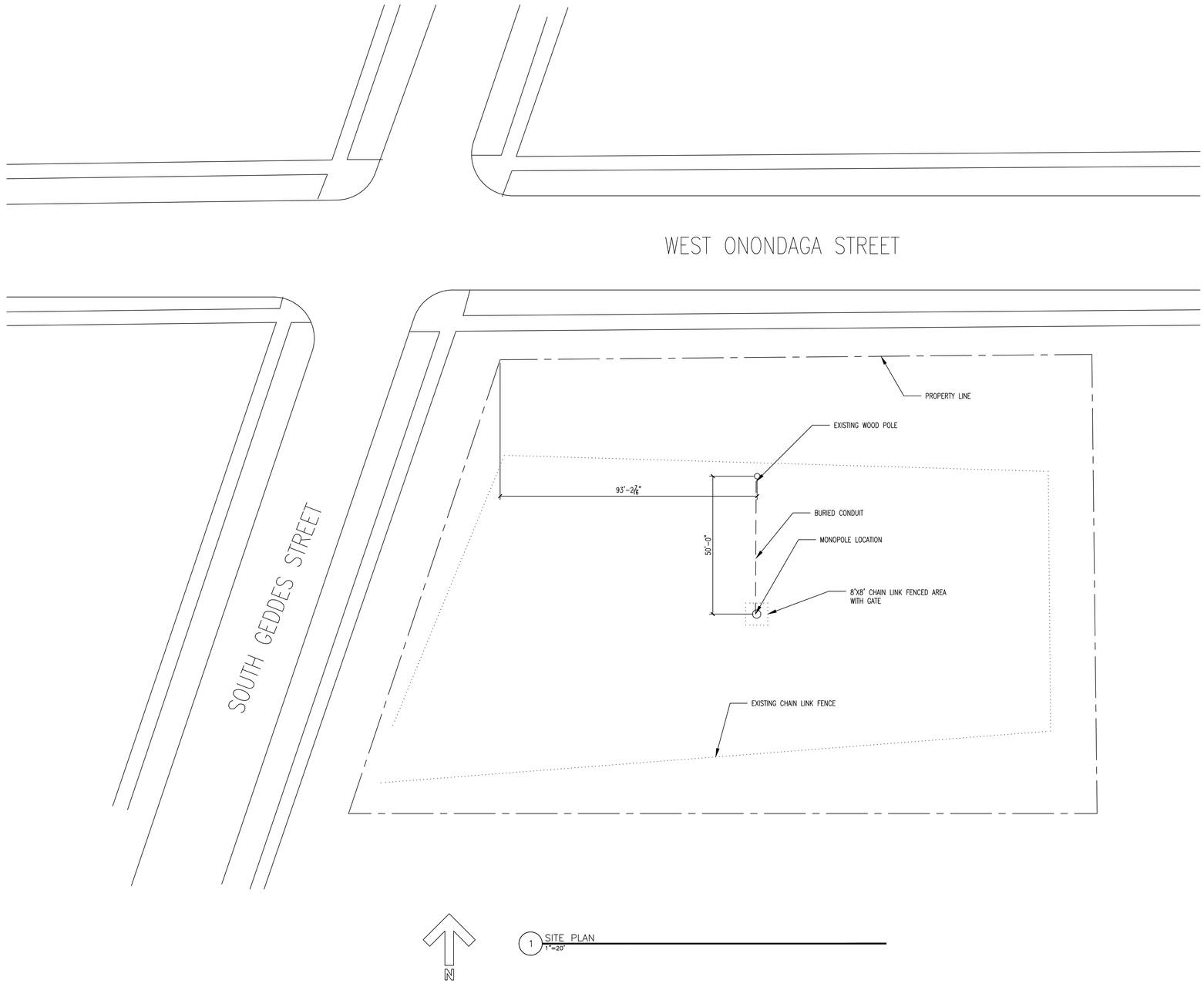
Please do not hesitate to contact our office if you have any questions regarding this report, its conclusions, its recommendations, or its application to actual field conditions revealed during construction.

Respectfully Submitted,
CME Associates, Inc.

Kyle Shepherd, E.I.T.
Staff Geotechnical Engineer

Reviewed By,
CME Associates, Inc.

Christopher R. Paolini, PE, MPS, EXW^{SM}
Senior Geotechnical Engineer



1 SITE PLAN
1"=20'

Sky High Architecture

86 Castle Street
Geneva, New York 14456

(315) 759-5772

NOTICE:

REVISION SCHEDULE	
NAME	DATE

REGISTERED ARCHITECT
ANDREW HENRY HINTENACH III
122196
STATE OF NEW YORK

PROJECT:
MONOPOLE PLACEMENT
ONONDAGA GEDDES PLAYGROUND

CLIENT:
CBN AMERICA LLC

DRAWING:
POLE SITE PLAN

DRAWN:	CHECKED:
AHH	

DATE: AHH

SCALE: MARCH 9 2024

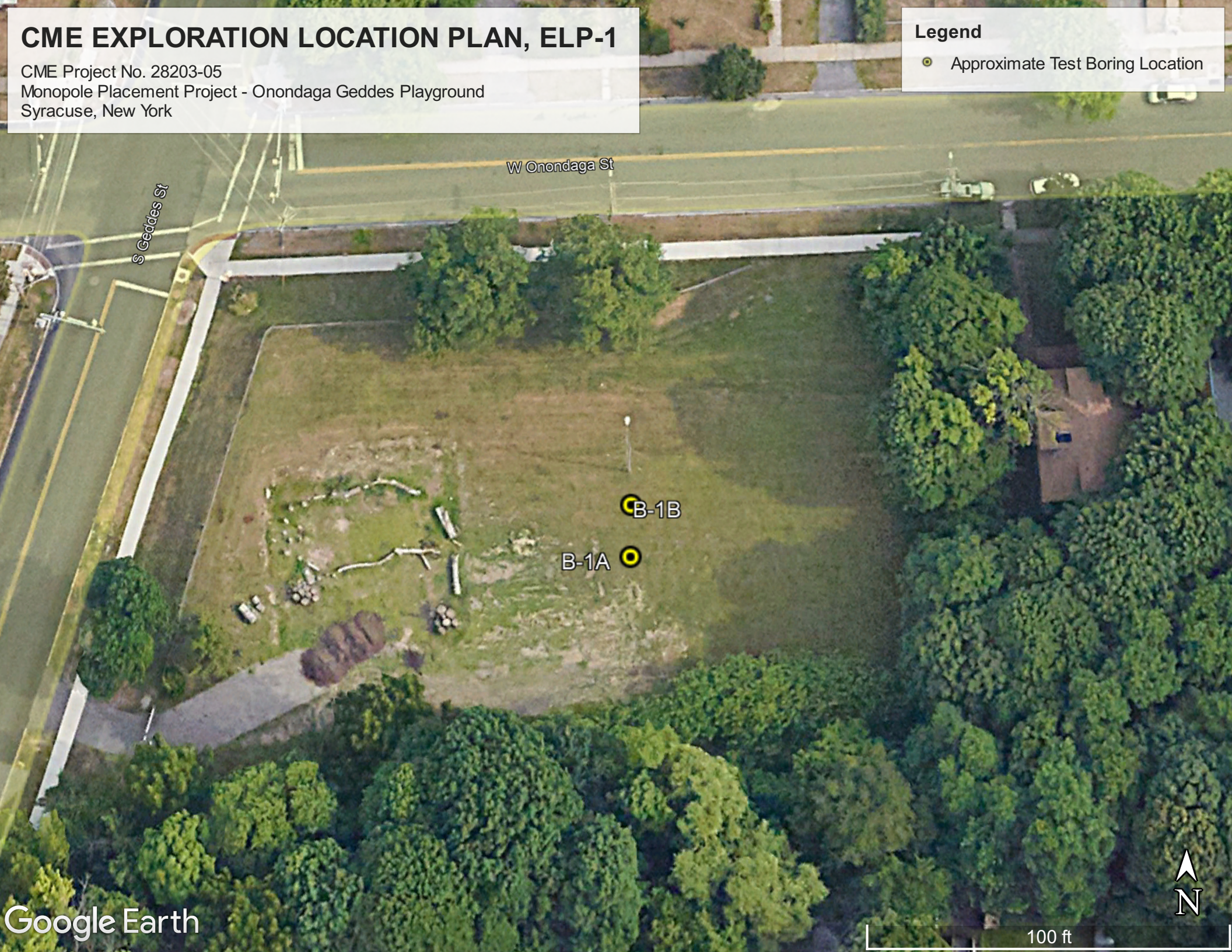
JOB NO.:

SHEET:

C-1

CME EXPLORATION LOCATION PLAN, ELP-1

CME Project No. 28203-05
Monopole Placement Project - Onondaga Geddes Playground
Syracuse, New York



Legend

- Approximate Test Boring Location

CME Project No.: 28203-05
GPS Coordinates and Elevations Table
Monopole Placement Project - Onondaga Geddes Playground
Syracuse, New York

TABLE 1			
Boring ID	**Latitude**	**Longitude**	**Elevation (FT.)**
B-1A	43.03356497	-76.17424640	465.2
B-1B*	N/A	N/A	N/A
Reference 1	43.03369894	-76.17423936	461.7

Notes:
AMSL: Above Mean Sea Level
1. NYSDOT CORS positions are based on North American Datum of 1983 (NAD 83).
2. Elevations are based on the North American Vertical Datum of 1988 (NAVD 1988).
4. Reference 1 is the ground surface adjacent to the south side of existing light pole.
* B-1B was offset 15 feet north of B-1A

CME Associates, Inc.
6035 Corporate Drive
East Syracuse, NY 13057
Phone: 315-701-0522

SUBSURFACE EXPLORATION TEST BORING LOG

Boring No.	**B-1A**
Page No.	1 of 1
Job No.	28203-05
Project Name:	Monopole Placement Project - Onondaga Geddes Playground, Syracuse, New York
Date Started	07/03/24
Client:	CBN America, LLC
Date Finished	07/03/24
Location:	See Exploration Location Plan, ELP-1
Surface Elev.	465.2'

METHODS OF INVESTIGATION

Driller:	Beau Fletcher	**Casing:**	3 ¼" ID H.S.A.
Driller:	Ryan Casatelli	**Casing Hammer:**	
Inspector:	Bryan Reles	**Other:**	NQ-Core
Drill Rig:	Diedrich D-120	**Soil Sampler:**	2" OD Split Barrel
Type:	Truck	**Hammer Wt:**	140 lbs.
Rod Size:	AWJ	**Hammer Fall:**	30 in.

GROUNDWATER OBSERVATIONS

Date	Time	Depth (Ft.)	Casing At (Ft.)
07/03/24	While Drilling	None Noted	4.5
07/03/24	Before Casing Removed	4.0 *	4.5
07/03/24	After Casing Removed	4.5	out
07/03/24	After Casing Removed	caved @ 6.0	out

LOG OF BORING SAMPLES / VISUAL CLASSIFICATION OF MATERIAL

Depth Scale (Feet)	Sample No.	Sample Depth (Ft.) From	Sample Depth (Ft.) To	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine / and - 35 to 50% / some - 20 to 35% / little - 10 to 20% / trace - 0 to 10%	SPT "N" or RQD %
0	1A	0.0	0.3	SS/18	5-9-22-25		Topsoil and Organic Material (moist)	31
	1B	0.3	2.0				Brown SILT and weathered ROCK Fragments (Limestone) (moist, hard)	
1								
2	2	2.0	2.9	SS/10	20-50@5"		Brown SILT, some weathered ROCK Fragments (Limestone) (moist, hard)	50+
3								
							Augered harder beginning @ 3.5'	
4	3	4.0	4.3	SS/3	50@4"		Brown weathered ROCK Fragments (Limestone), little SILT (moist)	50+
							Auger refusal noted at 4.5'. Set up to core.	
5	R-1	4.5	9.5	C/30	NQ-Core		Brown/Grey LIMESTONE, moderately to highly weathered, thinly bedded, hard.	0%
6							*Core broken and fractured throughout core run.*	
							Recovery: 30"/60" = 50%	
7							RQD: 0"/60" - 0%	
							7 Pieces, 20" Chips and Fragments	
8							*0.5 - 2.0 min/ft, no water loss*	
							Coring conducted in 5th gear, 2000 rpm, 500 psi down pressure.	
9								
10							Bottom of Boring @ 9.5'	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks: *Water added to boring for coring.

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SUBSURFACE EXPLORATION AUGER PROBE LOG

Boring No.	**B-1B**
Page No.	1 of 1
Job No.	28203-05
Project Name:	Monopole Placement Project - Onondaga Geddes Playground, Syracuse, New York
Date Started	07/03/24
Client:	CBN America, LLC
Date Finished	07/03/24
Location:	See Exploration Location Plan, ELP-1
Surface Elev.	N/A

METHODS OF INVESTIGATION

Driller:	Beau Fletcher	**Casing:**	3 ¼" ID H.S.A.
Driller:	Ryan Casatelli	**Casing Hammer:**	
Inspector:	Bryan Reles	**Other:**	
Drill Rig:	Diedrich D-120	**Soil Sampler:**	2" OD Split Barrel
Type:	Truck	**Hammer Wt:**	140 lbs.
Rod Size:	AWJ	**Hammer Fall:**	30 in.

GROUNDWATER OBSERVATIONS

Date	Time	Depth (Ft.)	Casing At (Ft.)
07/03/24	While Drilling	None Noted	4
07/03/24	Before Casing Removed	None Noted	4
07/03/24	After Casing Removed	None Noted	out
07/03/24	After Casing Removed	caved @ 2.8	out

LOG OF BORING SAMPLES / VISUAL CLASSIFICATION OF MATERIAL

Depth Scale (Feet)	Sample No.	Sample Depth (Ft.) From	Sample Depth (Ft.) To	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine / and - 35 to 50% / some - 20 to 35% / little - 10 to 20% / trace - 0 to 10%	SPT "N" or RQD %
0							See Test Boring Log B-1A for Samples 0 - 4	
1								
2								
3								
4							*Auger Refusal @ 4.0'*	
							Bottom of Boring @ 4.0'	
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

Bedrock Core Photographs
CME Project No: 28203-05

Photograph 1 Boring: B-1A Run 1 Depth 4.5' - 9.5' See Photographs Nos. 2 and 3 for detailed views.

Photograph 2 B-1A Run 1 Top Depth NA Poor Recovery

Photograph 3 B-1A Run 1 Bottom Depth NA Poor Recovery

GENERAL INFORMATION & KEY TO TEST BORING LOGS

The **Subsurface Exploration – Test Boring Logs** produced **by CME Associates, Inc.** (CME) present observations and mechanical data collected by the CME Drill Crew while at the site, supplemented, at times, by classification of the materials removed from the borings determined through visual identification by technicians in the laboratory. It is cautioned that the materials removed from the borings represent only a fraction of the total volume of the deposits at the site and may not necessarily be representative of the subsurface conditions between adjacent borings or between the sampled intervals. The data presented on the Exploration Logs together with the recovered samples will provide a basis for evaluating the character of the subsurface conditions relative to the proposed construction. The evaluation must consider all the recorded details and their significance relative to each other. Often, analyses of standard boring data indicate the need for additional testing and sampling procedures to more accurately evaluate the subsurface conditions. Any evaluations of the contents of CME's report and the recovered samples must be performed by Licensed Professionals having experience in Soil Mechanics, Geological Sciences and Geotechnical Engineering. The information presented in this Key defines some of the methods, procedures and terms used on the CME Exploration Logs to describe the conditions encountered. Refer to the Log on page 4 for key number.

Key No. **Description**

1. The figures in the **DEPTH SCALE** column define the vertical scale of the Boring Log.

2. The **SAMPLE NO.** is used for identification on the sample containers and in the Laboratory Test Report or Summary.

3. The **SAMPLE DEPTH** column gives the depth range from which a sample was recovered.

4. The **TYPE / SAMPLE RECOVERY** column is used to signify the various types of samples. "SS is Split Spoon, "U" is Undisturbed Tube, and "C" is Rock Core. For soil and rock samples, the recovered length of the sample is recorded in inches.

5. **BLOWS ON SAMPLER** – This column shows the results of the "Standard Penetration Test (SPT) ASTM D1586", recording the number of blows required to drive a 2-inch outside diameter (O.D.) split spoon sampler into the ground beneath the casing. The number of blows required for each six inches of penetration is recorded. The total number of blows required for the 6-inch to 18-inch interval is summarized in the **SPT "N"** column and represents the "Standard Penetration Number". The outside diameter of the sampler, the hammer weight and the length of drop are noted in the **Methods of Investigation** portion of the log. A "WH" or "WR" in this column indicates that the sample spoon advanced a 6-inch interval under the **W**eight of **H**ammer + Rod or **W**eight of **R**od, respectively. If a rock core sample is taken, the core bit size designation is given here.

6. The **DEPTH OF CHANGE** column designates the depth (in feet) that the driller noted a compactness or stratum change. In soft materials or soil strata exhibiting a consistent relative density, it is difficult for the driller to determine the exact change from one stratum to the next. In addition, a grading or gradual change may exist. In such cases the depth noted is approximate or estimated only and may be represented by a dashed line. When continuous split spoon sampling is not employed, or an interval of several feet exists between samplings, the Depth of Change may not be indicated at all.

7. **VISUAL CLASSIFICATION OF MATERIAL** – Soil materials sampled and recovered are described by the Driller or Geotechnical Representative on the original field log. Notes of the Drillers observations are also placed in this column. Recovered samples may also be visually classified by a Geologist, Engineer, or Soil Technician. Visual soil classifications are made using a modified Burmister System as practiced by CME and as generally described in this Key and abbreviated on the Test Boring Log. This modified Burmister System is a type of visual-manual textural classification estimated by the Driller, Geologist, Engineer, or Technician on the basis of weight-fraction of the recovered material and estimated plasticity, among other characteristics. See Table 1 **"Classification of Materials"**. The description of the relative compactness or consistency is based upon the standard penetration number as defined in Table 2. The description of the recovered sample moisture condition is described as dry, moist, wet, or saturated. Water used to advance the boring may affect the moisture content of the recovered sample. Special terms may be used to describe recovered materials in greater detail, such terms are listed in ASTM D653. When sampling gravelly soils with a standard two-inch O.D. Split Spoon, the true percentage of gravel is often not recovered due to the relatively small sampler diameter. The presence of boulders, cobbles, and large gravel is sometimes, but not necessarily, detected by observation of the casing advancement and sampler blows and/or through the "action" of the drill rig, sampler and/or casing as reported by the Driller.

   The description of **Rock** is based upon the recovered rock core. Terms frequently used in the description are included in Tables 3, 4 and 5. The length of core run is defined as length of penetration between retrievals of the core barrel from the bore hole, expressed in inches. The core recovery expresses the length of core recovered from the core barrel per core run, in percent. The size core barrel used is noted in Column 5. An "N" size core, being larger in diameter than "A" size core, often produces better recovery, and is frequently utilized where accurate information regarding the geologic conditions and engineering properties is needed. An estimate of in-situ rock quality is provided by a modified core recovery ratio known as the **"Rock Quality Designation" (RQD)**. This ratio is determined by considering only pieces of core that are at least 4 inches long and are hard and sound. Breaks obviously caused by drilling are ignored. The percentage ratio between the total length of such core recovered and the length of core drilled on a given run is the RQD. Table 4 indicates in-situ rock quality as related to the **RQD**.

8. The **SPT "N"** or **RQD** is given in this column as applicable to the specific sample taken. In Very Compact coarse-grained soils and in Hard fine-grained soils the N-value may be indicated as 50+ or 100+. This typically means that the blow count was achieved prior to driving the sampler the entire 6-inch interval or the sampler refused further penetration. For an "N"size rock core, the RQD is reported here, expressed in percent (%).

9. **GROUNDWATER OBSERVATIONS** and timing noted by the Drill Crew are shown in this section. It is important to realize that the reliability of the water level observations depend upon the soil type (e.g. water does not readily stabilize in a hole through fine grained soils), and that drill water used to advance the boring may have influenced the observations. Groundwater levels typically fluctuate seasonally so those noted on the log are only representative of that exhibited during the period of time noted on the log. One or more perched or trapped water levels may exist in the ground seasonally. All the available resources and data should be evaluated. If definite conclusions cannot be made, it is often prudent to examine the conditions more thoroughly through test pit excavations or through groundwater observation well installations.

10. **METHODS of INVESTIGATION** provides pertinent information regarding the identity of the Drill Crew members, inspector (if any), drill rig make and model, drill rig mount vehicle, casing and type of advancement, soil and rock sampling tools and appurtenances used in the installation of the Test Boring.

TABLE 1 - CLASSIFICATION OF MATERIALS	
GROUP	**COARSE GRAINED SOILS TEXTURAL SIZES**
BOULDERS	larger than 12" diameter
COBBLES	12" diameter to 3" sieve
GRAVEL	3" - coarse - 1" - medium - 1/2" - fine - #4 sieve
SAND	#4 - coarse - #10 - medium - #40 - fine - #200 sieve
GROUP	**FINE GRAINED SOILS SIZE (PLASTICITY*)**
SILT	#200 sieve (0.074mm) to 0.005mm size (see below *)
CLAY	0.005mm size to 0.001 mm size (see below *)
GROUP	**ORGANIC SOILS, PEAT, MUCK, MARL**
ORGANIC	Based on smell, visual-manual and laboratory testing

ABBREVIATIONS	**TERM**	**ESTIMATED PERCENT OF TOTAL SAMPLE BY WEIGHT**
f - fine	and	35 to 50%
m - medium	some	20 to 35%
c - coarse	little	10 to 20%
	trace	0 to 10%

***PLASTICITY DESCRIPTIONS and INDICATOR FIELD TESTS**			
		DRY STRENGTH TEST	
TERM	**PLASTICITY INDEX**	**INDICATION**	**FIELD TEST RESULT**
non-plastic	0 - 3	Very low	falls apart easily
slightly plastic	4 - 15	Slight	easily crushed by fingers
plastic	15 - 30	Medium	difficult to crush
highly plastic	31 or more	High	impossible to crush with fingers
Other Field Tests include: Dilatancy, Thread and Shine Testing			

*TABLE 2 - DESCRIPTION OF SOIL COMPACTNESS OR CONSISTENCY based on SPT "N"**		
Primary Soil Type	**Descriptive Term of Compactness**	**Range of Standard Penetration Resistance (N)**
COARSE GRAINED SOILS	Very Loose	less than 4 blows per foot
(More than half of Material is larger than No. 200 sieve size)	Loose	4 to 10
	Medium Compact	10 to 30
	Compact	30 to 50
	Very Compact	Greater than 50
FINE GRAINED SOILS	**Descriptive Term of Consistency**	**Range of Standard Penetration Resistance (N)**
(More than half of material is smaller than No. 200 sieve size)	Very Soft	less than 2 blows per foot
	Soft	2 to 4
	Medium Stiff	4 to 8
	Stiff	8 to 15
	Very Stiff	15 to 30
	Hard	Greater than 30
*The number of blows of 140-pound weight falling 30 inches to drive a 2-inch O.D., 1-3/8 inch I.D. sampler 12 inches is defined as the Standard Penetration Resistance, designated "N".		

TABLE 3 - ROCK CLASSIFICATION TERMS		
Rock Classification Terms		**Field Test or Meaning of Term**
Hardness	Soft	Scratched by fingernail. Crumbles under firm blows with a geologic pick.
	Medium Soft	Shallow indentations (1 to 3 mm) can be made by firm blows of a geologic pick. Can be peeled with a pocketknife with difficulty.
	Medium Hard	Scratched distinctly by penknife or steel nail. Can't be peeled or scraped with knife.
	Hard	Scratched with difficulty by penknife or steel nail. Requires more than one blow with a geologic hammer to break it
	Very Hard	Cannot be scratched by penknife or steel nail. Breaks only by repeated heavy blows with a geologic hammer.
Bedding (Divisional planes and/or surfaces separating it from layers above and below)	Thinly Laminated Laminated Thinly Bedded Medium Bedded Thickly Bedded Massive	less than 1/8th inch 1/8th to 1 inch 1 inch to 4 inches 4 inches to 12 inches 12 inches to 48 inches greater than 48 inches

TABLE 4 **Relation of Rock Quality Designation (RQD) and in-situ Rock Quality**	
RQD %	**Rock Quality Term Used**
90 to 100	Excellent
75 to 90	Good
50 to 75	Fair
25 to 50	Poor
0 to 25	Very Poor

TABLE 5 – BEDROCK WEATHERING CLASSIFICATION	
Classification	**Diagnostic Features**
Fresh	No visible sign of decomposition or discoloration. Rings under hammer impact.
Slightly Weathered	Slight discoloration inwards from open fractures, otherwise similar to Fresh.
Moderately Weathered	Discoloration throughout. Strength somewhat less than fresh rock but cores cannot be broken by hand or scraped with knife. Texture observed.
Highly Weathered	Most minerals somewhat decomposed. Specimens can be broken by hand with effort or shaved with knife. Core stones present in rock mass. Texture becoming indistinct but fabric preserved.
Completely Weathered	Minerals decomposed to soil, but fabric and structure preserved (e.g. Saprolite). Specimens easily crumbled or penetrated.
Residual Soil	Advanced state of decomposition resulting in plastic soils. Rock fabric and structure completely destroyed. Large volume change.

CME Associates, Inc. 6035 Corporate Drive East Syracuse, NY 13057 Phone: 315-701-0522	SUBSURFACE EXPLORATION TEST BORING LOG	Boring No.	B-2
		Page No.	1 of 1
		Report No.	
Project Name:		Date Started	
Client:		Date Finished	
Location:		Surface Elev.	

METHODS OF INVESTIGATION			
Driller: 10	**Casing:** 10		
Driller:	**Casing Hammer:**		
Inspector:	**Other:**		
Drill Rig:	**Soil Sampler:**		
Type:	**Hammer Wt:**		
Rod Size:	**Hammer Fall:**		

GROUNDWATER OBSERVATIONS			
Date	**Time**	**Depth (Ft.)**	**Casing At (Ft.)**
	While Drilling	9	9
	Before Casing Removed		
	After Casing Removed		
	After Casing Removed		

LOG OF BORING SAMPLES						VISUAL CLASSIFICATION OF MATERIAL		
Depth Scale (Feet)	Sample No.	Sample Depth (Ft.) From	Sample Depth (Ft.) To	Type / Sample Rec. (in.)	Blows on Sampler Per 6 Inches	Depth of Change (Ft.)	c - coarse m - medium f - fine	and - 35 to 50% / some - 20 to 35% little - 10 to 20% / trace - 0 to 10%	SPT "N" or RQD %
1	2	3	3	4	5	6	7		8

SS - Split Spoon, U - Undisturbed Tube, C - Core, WH - Weight of Hammer + Rod, WR - Weight of Rod

Remarks:

CBN SYRACUSE MUNICIPAL LLC

1224 West Genesee St, Syracuse, NY 13204
(315) 325-5000

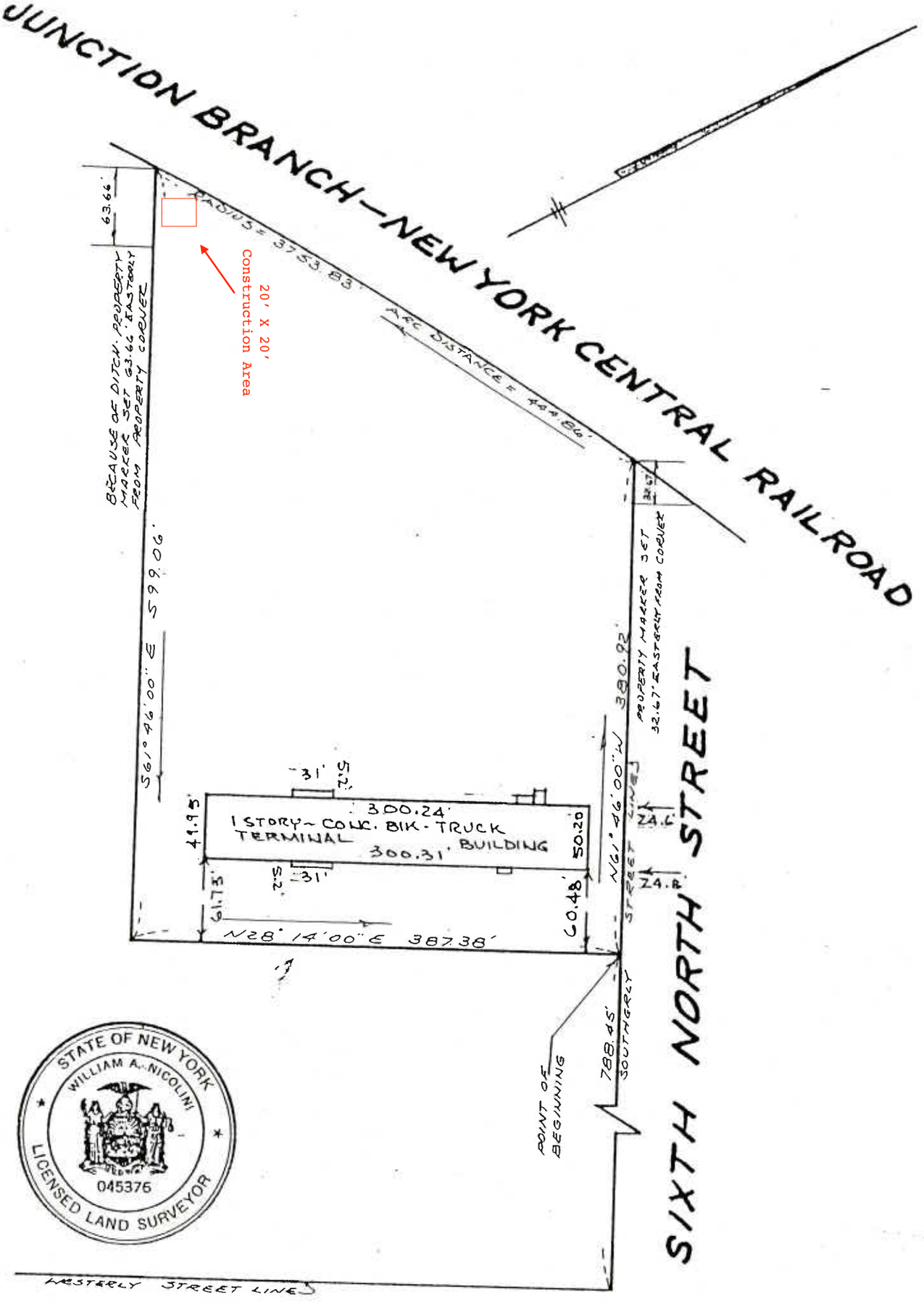
Construction Photos

Foundation

CBN SYRACUSE MUNICIPAL LLC

1224 West Genesee St, Syracuse, NY 13204
(315) 325-5000

Pole Erection



EAST HIAWATHA BOULEVARD

REVISED, UPDATED & RE-CERTIFIED JANUARY 20, 1992 FOR:
CITY OF SYRACUSE.

SETTING OF PROPERTY CORNER STAKES NOT INCLUDED IN BUILDING LOCATION SURVEYS UNLESS SPECIFICALLY ORDERED. A REASONABLE ADDITIONAL CHARGE WILL BE MADE FOR SUCH ADDITIONAL WORK.

FOR THE EXCLUSIVE USE OF:

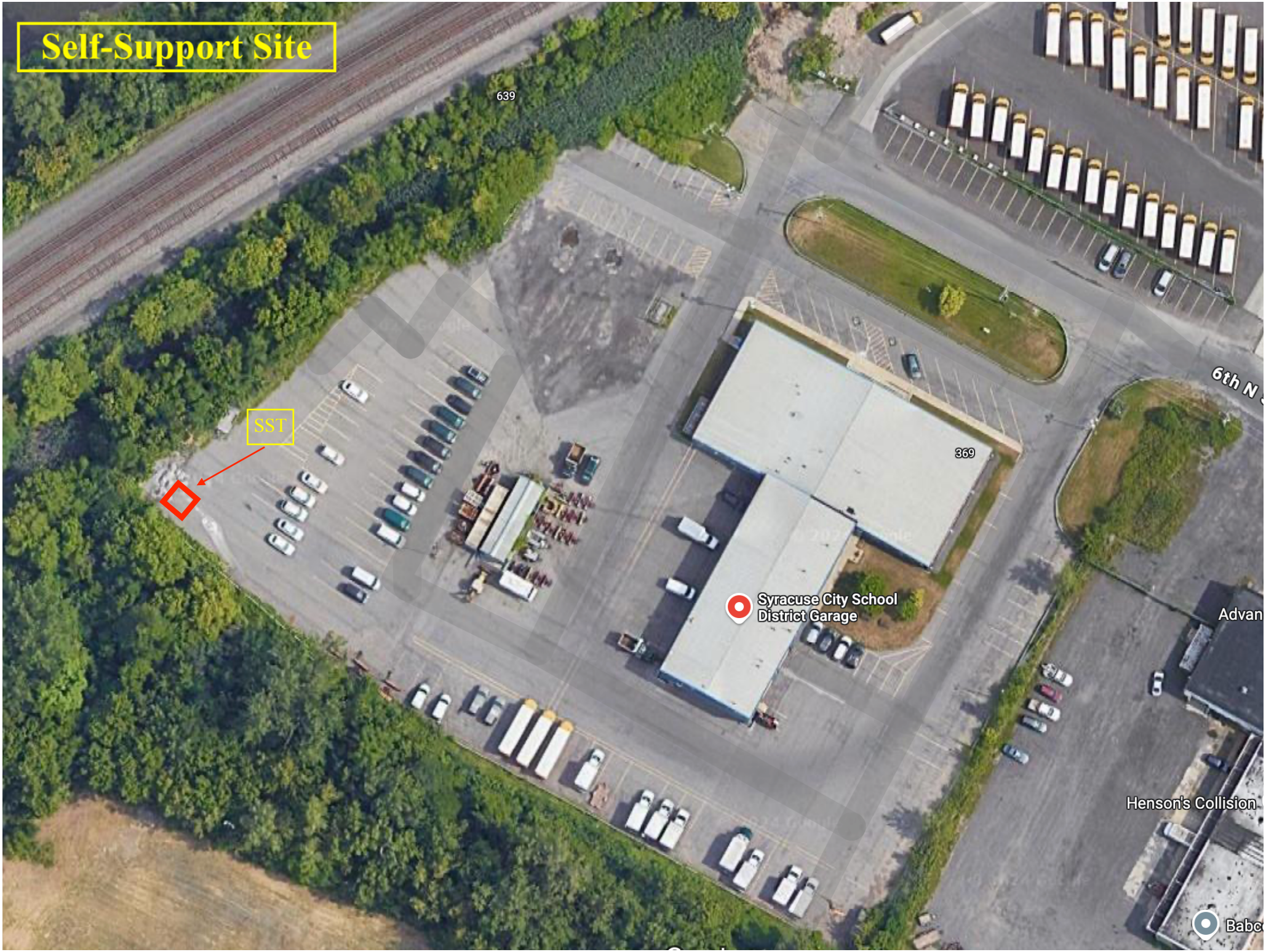
THE UNDERSIGNED SURVEYOR HEREBY CERTIFIES THAT THIS IS AN ACCURATE MAP MADE FROM AN ACCURATE SURVEY. NOV 28 19 70

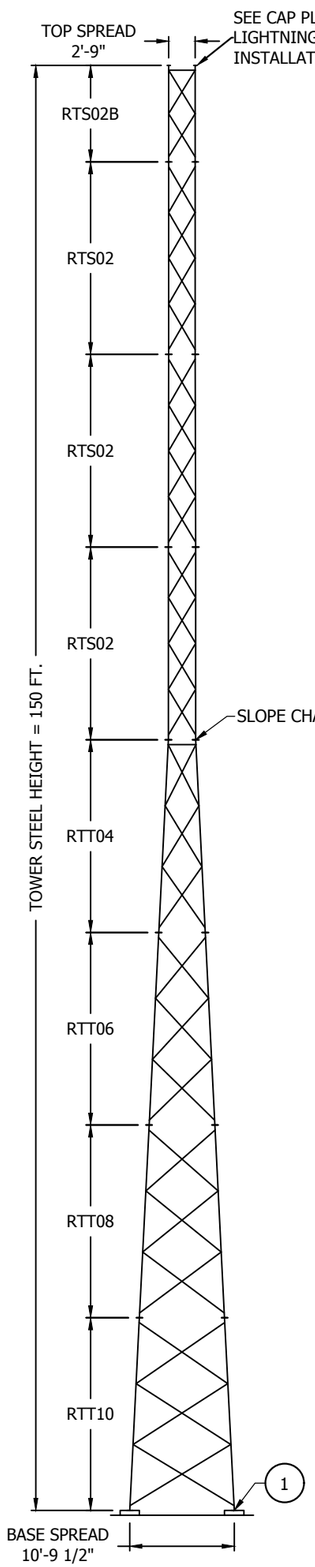
William A. Nicolini
LICENSED LAND SURVEYOR

LANDS OF HENRY A. TUFFLEY
PART OF SALINA MARSH LOTS NO: 4 & 6
CITY OF SYRACUSE,
ONONDAGA COUNTY, NEW YORK

WILLIAM A. NICOLINI
LICENSED LAND SURVEYOR
SYRACUSE, N. Y. SOLVAY, N. Y.

DATE: NOV 28 19 70
SCALE: 1" = 100'
FILE NO: 7098


Self-Support Site
639
SST
369
Syracuse City School
District Garage
6th N
Advan
Henson's Collision
Babc



MAXIMUM FACTORED REACTIONS			
COMPRESSION	=	82.9	KIPS
TENSION	=	72.0	KIPS
TOTAL SHEAR	=	9.2	KIPS
O.T.M.	=	745.9	FT-KIPS

TOWER DESIGN LOADING

DESIGN WIND LOAD PER ANSI/TIA-222-G:
BASIC WIND SPEED (NO ICE) = 90 MPH
BASIC WIND SPEED (ICE) = 30 MPH
DESIGN ICE THICKNESS = 0.75 IN.
STRUCTURE CLASS = II
EXPOSURE CATEGORY = C
TOPOGRAPHIC CATEGORY = 1

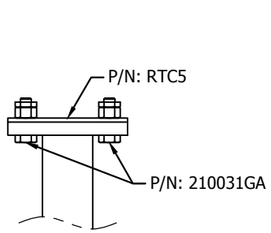
THIS TOWER IS DESIGNED TO SUPPORT THE FOLLOWING LOADS:

ELEVATION (FT)	ANTENNA TYPE	LINE SIZE (NOM)
TOP	LIGHTNING ROD	-
C/L @ 147.5	(12) HG3-TP-S40 MOUNTED W/ 90 DEG SEPARATION ON (4) 5 FT 2 STD PIPE MAST'S	(1) 12/2 CABLE
140	(1) 2 FT HP DISH, LEG-MOUNTED [AZ. 120 DEG] [6 GHZ]	(1) CAT5
135	(1) 2 FT HP DISH, LEG-MOUNTED [AZ. 240 DEG] [6 GHZ]	(1) CAT5
130	(1) 2 FT HP DISH, LEG-MOUNTED [AZ. 0 DEG] [6 GHZ]	(1) CAT5
125	(1) 2 FT HP DISH, LEG-MOUNTED [AZ. 120 DEG] [6 GHZ]	(1) CAT5

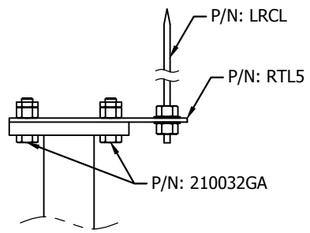
NOTE: ANTENNA AZIMUTH IS SHOWN IN DEGREES WITHIN THE [BRACKETS].

ANCHOR MATERIAL

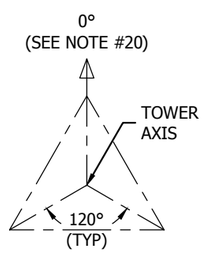
ITEM	QTY	PART NO.	DESCRIPTION	DWG. NO.
1	1	12C1079RTFST	ANCHOR BOLT ASSY 12-7/8X48"	12C1079RTFST
227557LA - TOWER ACCESSORIES				
ITEM	**QTY**	**PART NO.**	**DESCRIPTION**	**DWG. NO.**
2	1	RTT10D-063	SECTION ASSY RTT10 20' 3EH	RTT10D-063
3	1	RTT08B-077	SECTION ASSY RTT08 20' 3EH	RTT08B-077
4	1	RTT06B-122	SECTION ASSY RTT06 20' 3EH	RTT06B-122
5	1	RTT04C-061	SECTION ASSY RTT04 20' 3EH	RTT04C-061
6	1	RTS02C-017	SECTION ASSY RTS02 20' 3EH	RTS02C-017
7	1	RTS02B-014	SECTION ASSY RTS02 20' 2.5STD	RTS02B-014
8	1	RTS02B-012	SECTION ASSY RTS02 20' 2.5STD	RTS02B-012
9	1	RTS02A-004	SECTION ASSY RTS02 10' 2.5STD	RTS02A-004
10	1	RTL5A	PLATE ASSY LTNG ROD CAP 5.00BC	N/A
11	1	LRCL	LIGHTNING ROD C/CLAD 5/8X5'	N/A
12	1	TT150-URCL-08-07-000	SAFETY DEVICE TUF TUG 150'	DWG-0120
13	3	ACWS	SIGN ANTI-CLIMB WARNING ASSY	N/A
14	1	A810214	FOUNDATION & ANCHOR TOLERANCE	A810214
15	1	A790135	DRAWING BOLT ASSY	A790135
16	1	B651264	STEPBOLT DETAIL	B651264



CAP PLATE INSTALLATION DETAIL



LIGHTNING ROD & CAP PLATE INSTALLATION DETAIL



TOWER CONFIGURATION
N.T.S.

GENERAL NOTES

1. ROHN PRODUCTS, LLC TOWER DESIGNS CONFORM TO ANSI/TIA-222-G UNLESS OTHERWISE SPECIFIED UNDER TOWER DESIGN LOADING.
2. ANTENNAS AND LINES LISTED IN TOWER DESIGN LOADING TABLE ARE PROVIDED BY OTHERS UNLESS OTHERWISE SPECIFIED.
3. THE DESIGN LOADING CRITERIA INDICATED HAS BEEN PROVIDED TO ROHN. THE DESIGN LOADING CRITERIA HAS BEEN ASSUMED TO BE BASED ON SITE-SPECIFIC DATA IN ACCORDANCE WITH ANSI/TIA-222-G AND MUST BE VERIFIED BY OTHERS PRIOR TO INSTALLATION.
4. SEE INDIVIDUAL SECTION ASSEMBLY DRAWINGS FOR PART NUMBERS AND SECTION ASSEMBLY DETAILS.
5. STEP BOLTS ARE PROVIDED AS A CLIMBING FACILITY FOR THE INSTALLATION OF THE STRUCTURE.
6. REFER TO THE LATEST REVISIONS OF THE DRAWINGS SHOWN IN THE BILL OF MATERIALS.
7. A NUT LOCKING DEVICE IS PROVIDED FOR ALL TOWER BOLTS.
8. THE LEG PART NUMBER IS STAMPED AT THE BOTTOM OF EACH LEG OF EACH SECTION.
9. DESIGN ASSUMES LEVEL GRADE AT TOWER SITE.
10. WORK SHALL BE IN ACCORDANCE WITH ANSI/TIA-222-G, "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES".
11. TOLERANCE ON TOWER STEEL HEIGHT IS EQUAL TO PLUS 1% OR MINUS 1/2%.
12. PURCHASER SHALL VERIFY THE INSTALLATION IS IN CONFORMANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR OBSTRUCTION MARKING AND LIGHTING.
13. TOWER MEMBER DESIGN DOES NOT INCLUDE STRESSES DUE TO ERECTION SINCE ERECTION EQUIPMENT AND CONDITIONS ARE UNKNOWN. DESIGN ASSUMES COMPETENT AND QUALIFIED PERSONNEL WILL ERECT THE TOWER.
14. DESIGN ASSUMES THAT, AS A MINIMUM, MAINTENANCE AND INSPECTION WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE IN ACCORDANCE WITH ANSI/TIA-222-G.
15. DESIGN ASSUMES ALL ANTENNAS ARE MOUNTED SYMMETRICALLY TO MINIMIZE TORQUE, IF APPLICABLE.
16. ALL TOWER ACCESSORIES AND/OR MOUNTS THAT ARE NOT SHOWN IN B.O.M., TO BE SUPPLIED BY OTHERS.
17. NUMBERS SHOWN IN BALLOONS DENOTE ITEM NUMBERS IN BILL OF MATERIAL.
18. ROHN SHALL HAVE THE OPTION TO REVIEW FINAL DISH LOCATIONS, AZIMUTHS AND MOUNTS TO VERIFY THAT ASSUMED TORQUE VALUES AND LOCAL STRESSES ARE NOT EXCEEDED.
19. TOWER ORIENTATION TO BE DETERMINED BY OTHERS.
20. THE TOWER AZIMUTH SHOWN IS A RELATIVE AZIMUTH USED TO ESTABLISH THE RELATIVE POSITION OF ANTENNAS WITH RESPECT TO THE TOWER FOR DESIGN.
21. STEP BOLTS WITH SAFETY DEVICE, LESS SLIDER & HARNESS, ARE PROVIDED FOR CLIMBING THE ENTIRE TOWER HEIGHT.
22. THE PURCHASER SHALL VERIFY THAT ACTUAL SITE SOIL PARAMETERS MEET OR EXCEED TIA REV. G "PRESUMPTIVE" CLAY SOIL PARAMETERS.

FILE NO.
227557

REVISIONS

REV.	DESCRIPTION	DWN	CHK	APP

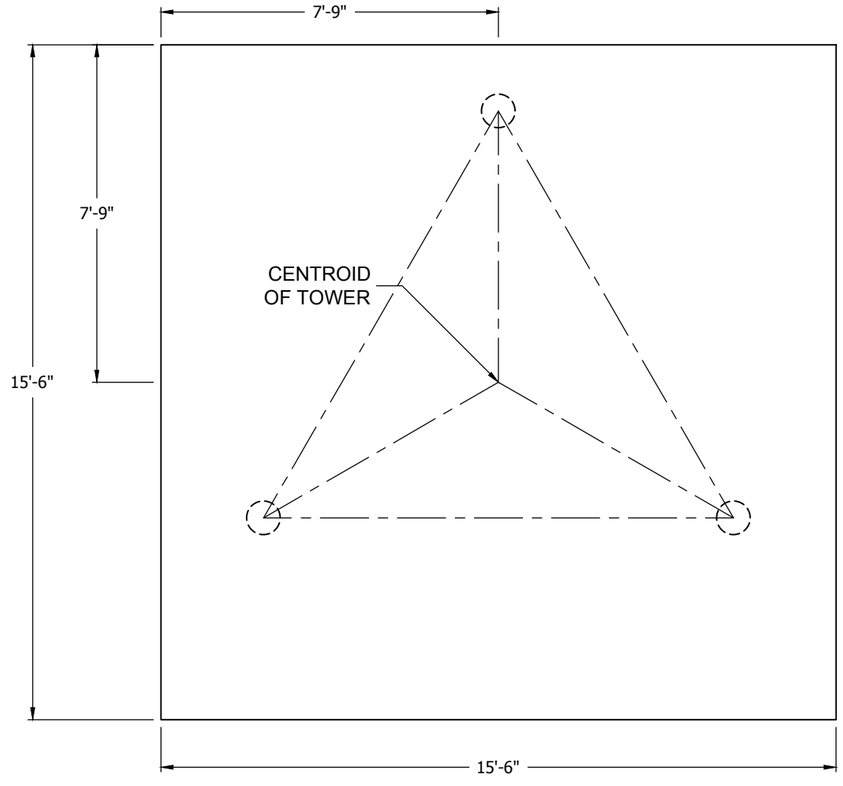
ROHN® PRODUCTS LLC
PO BOX 5999
PEORIA, IL 61601-5999
TOLL FREE 800-727-ROHN

150' RT TOWER ASSEMBLY

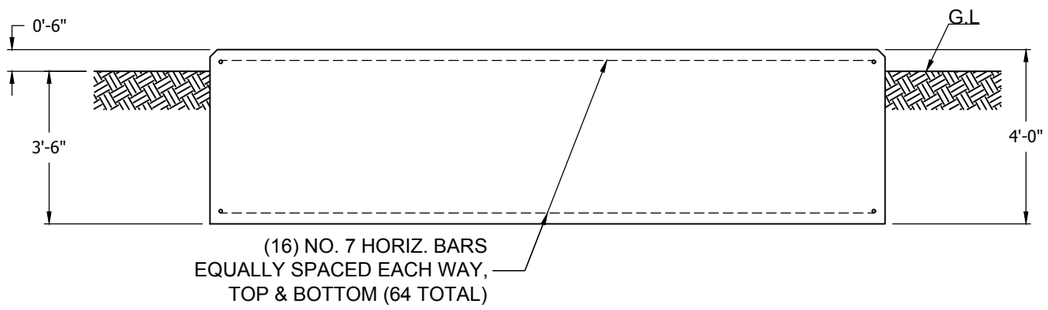
GENERIC

DWN:	CHK'D:	DATE:
JEC	CHW	10/22/2018
ENG'R: HA	SHEET #: 1 OF 1	
PRJ. ENG'R: SAO	PRJ. MANG'R: JN	
DRAWING NO: 227557-01-A1	REV: 0	

NOTE: SEE DRAWING NO. B090548 FOR STANDARD FOUNDATION NOTES.



PLAN VIEW



ELEVATION VIEW

FACTORED REACTIONS

Maximum O.T.M =	745.90 FT-K
Total Tower Wt =	7.82 KIPS
Total Shear =	9.20 KIPS
Max. Shear/Leg =	5.84 KIPS
Max. Ten./Leg =	72.00 KIPS
Max. Comp./Leg =	82.91 KIPS

CONCRETE VOLUME

PAD = 35.6 cu.yds.

FILE NO.
227557

REVISIONS

REV.	DESCRIPTION	DWN	CHK	APP

ROHN® PRODUCTS LLC
PO BOX 5999
PEORIA, IL 61601-5999
TOLL FREE 800-727-ROHN

SURFACE MAT
PRESUMPTIVE CLAY PER ANSI/TIA-222-G

GENERIC

DWN:	CHK'D:	DATE:
SAO	HA	09/26/2018
ENG'R: HA	SHEET #: 1 OF 1	
PRJ. ENG'R: SAO	PRJ. MANG'R:	
DRAWING NO: 227557-01-F1		REV: 0

STANDARD FOUNDATION NOTES
ANSI/TIA-222-G

1. STANDARD FOUNDATION DESIGNS ARE IN ACCORDANCE WITH ANSI/TIA-222-G, "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES" FOR THE FOLLOWING PRESUMPTIVE CLAY SOIL PARAMETERS:

N (blows/ft) [blows/m]	Φ (deg)	Y (lb/ft3) [kN/m3]	C (psf) [kPa]	Ultimate Bearing (psf) [kPa]		Ultimate Skin Friction (psf) [kPa]	k (pci) [kN/m3]	ε_{50}
				Shallow Fnds.	Deep Fnds.			
8 [26]	0	110 [17]	1000 [48]	5000 [240]	9000 [431]	500 [24]	150 [41,000]	0.01

2. THE PURCHASER SHALL VERIFY THAT ACTUAL SITE SOIL PARAMETERS MEET OR EXCEED ANSI/TIA-222-G PRESUMPTIVE CLAY SOIL DESIGN PARAMETERS AND THAT THE DEPTH OF STANDARD FOUNDATIONS ARE ADEQUATE BASED ON THE FROST PENETRATION AND/OR ZONE OF SEASONAL MOISTURE VARIATION AT THE SITE. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT PRESUMPTIVE CLAY SOIL PARAMETERS ARE NOT APPLICABLE FOR THE ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED.
3. A SITE-SPECIFIC INVESTIGATION IS REQUIRED FOR CLASS III STRUCTURES IN ACCORDANCE WITH ANSI/TIA-222-G.
4. FOUNDATION DESIGNS ASSUME FIELD INSPECTIONS WILL BE PERFORMED BY THE PURCHASER'S REPRESENTATIVE TO VERIFY THAT CONSTRUCTION MATERIALS, INSTALLATION METHODS AND ASSUMED DESIGN PARAMETERS ARE ACCEPTABLE BASED ON THE CONDITIONS EXISTING AT THE SITE.
5. WORK SHALL BE IN ACCORDANCE WITH THE PROJECT CONSTRUCTION DOCUMENTS, LOCAL CODES, SAFETY REGULATIONS AND UNLESS OTHERWISE NOTED, THE LATEST REVISION OF ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE". PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
6. CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
7. PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENT OF ACI 318 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4500 PSI (31.0 MPa) IN 28 DAYS.
8. MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 3/4 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING SHALL BE UTILIZED TO PREVENT HONEYCOMBS OR VOIDS.
9. REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED. SPLICES IN REINFORCEMENT SHALL NOT BE ALLOWED UNLESS OTHERWISE INDICATED.
10. REINFORCING CAGES SHALL BE BRACED TO RETAIN PROPER DIMENSIONS DURING HANDLING, THROUGHOUT PLACEMENT OF CONCRETE AND DURING EXTRACTION OF TEMPORARY CASING.
11. WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.
12. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES (76 mm) UNLESS OTHERWISE NOTED. APPROVED SPACERS SHALL BE USED TO INSURE A 3 INCH (76 mm) MINIMUM COVER ON REINFORCEMENT. CONCRETE COVER FROM TOP OF FOUNDATION TO ENDS OF VERTICAL REINFORCEMENT SHALL NOT EXCEED 3 INCHES (76 mm) NOR BE LESS THAN 2 INCHES (51 mm).
13. SPACERS SHALL BE ATTACHED INTERMITTENTLY THROUGHOUT THE ENTIRE LENGTH OF VERTICAL REINFORCING CAGES TO INSURE CONCENTRIC PLACEMENT OF CAGES IN EXCAVATIONS.
14. FOUNDATION DESIGNS ASSUME STRUCTURAL BACKFILL TO BE COMPACTED IN 8 INCH (200 mm) MAXIMUM LAYERS TO 95% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D698. ADDITIONALLY, STRUCTURAL BACKFILL MUST HAVE A MINIMUM COMPACTED UNIT WEIGHT OF 110 POUNDS PER CUBIC FOOT (17 kN/m3).
15. FOUNDATION DESIGNS ASSUME AN INSTALLATION ON A PROPERLY DRAINED LEVEL SITE.
16. FOUNDATION INSTALLATION SHALL BE SUPERVISED BY PERSONNEL KNOWLEDGEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
17. ALL CONSTRUCTION AND SAFETY EQUIPMENT AND TEMPORARY SUPPORTS REQUIRED FOR CONSTRUCTION SHALL BE DETERMINED, FURNISHED AND INSTALLED BY THE CONTRACTOR BASED ON THE MEANS AND METHODS CHOSEN BY THE CONTRACTOR. ALL CONSTRUCTION ACTIVITIES SHALL BE PREFORMED BY COMPETENT, QUALIFIED AND TRAINED PERSONNEL.
18. FOR FOUNDATION AND ANCHOR TOLERANCES SEE ANCHOR ROD LAYOUT DRAWING.
19. LOOSE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION PRIOR TO CONCRETE PLACEMENT. SIDES OF EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE CUTTINGS.
20. CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIALS, INFILTRATION OF WATER OR SOIL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
21. FREE FALL CONCRETE MAY BE USED PROVIDED FALL IS VERTICAL DOWN WITHOUT HITTING SIDES OF EXCAVATION, FORMWORK, REINFORCING BARS, ANCHORAGES, FORM TIES, CAGE BRACING OR OTHER OBSTRUCTIONS. UNDER NO CIRCUMSTANCES SHALL CONCRETE FALL THROUGH WATER.
22. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL EXCEPT FOR PIERS SUPPORTED ON SPREAD FOUNDATIONS. FORMS FOR PIERS SHALL BE REMOVED PRIOR TO PLACING STRUCTURAL BACKFILL.
23. CONSTRUCTION JOINTS, IF REQUIRED IN DRILLED PIER FOUNDATIONS, SHALL BE AT LEAST 12 INCHES (305 mm) BELOW BOTTOM OF EMBEDMENTS AND MUST BE INTENTIONALLY ROUGHENED TO A FULL AMPLITUDE OF 1/4 INCH (6 mm). FOUNDATION DESIGN ASSUMES NO OTHER CONSTRUCTION JOINTS.
24. CONSTRUCTION JOINTS, IF REQUIRED AT THE BASE OF PIERS SUPPORTED ON SPREAD FOUNDATIONS, SHALL BE INTENTIONALLY ROUGHENED TO A FULL AMPLITUDE OF 1/4 INCH. FOUNDATION DESIGN ASSUMES NO OTHER CONSTRUCTION JOINTS.
25. CASING, IF USED, SHALL NOT BE LEFT IN PLACE. EQUIPMENT, PROCEDURES, AND PROPORTIONS OF CONCRETE MATERIALS SHALL INSURE CONCRETE WILL NOT BE ADVERSELY DISTURBED UPON CASING REMOVAL. DRILLING FLUID, IF USED, SHALL BE FULLY DISPLACED BY CONCRETE AND SHALL NOT BE DETRIMENTAL TO CONCRETE OR SURROUNDING SOIL. CONTAMINATED CONCRETE SHALL BE REMOVED FROM TOP OF FOUNDATION AND REPLACED WITH FRESH CONCRETE.
26. TOP OF FOUNDATION SHALL BE SLOPED TO DRAIN WITH A FLOATED FINISHED. EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" X 3/4" (19 mm X 19 mm) MINIMUM.
27. FOR ANCHOR BLOCK TYPE FOUNDATIONS, FOR GUYED MASTS, ADDITIONAL CORROSION PROTECTION MAY BE REQUIRED FOR STEEL GUY ANCHORS IN DIRECT CONTACT WITH SOIL. DESIGN ASSUMES PERIODIC INSPECTIONS WILL BE PERFORMED OVER THE LIFE OF THE STRUCTURE TO DETERMINE IF ADDITIONAL ANCHOR CORROSION PROTECTION MEASURES SHALL BE IMPLEMENTED BASED ON OBSERVED SITE-SPECIFIC CONDITIONS.

FILE NO.

REVISIONS

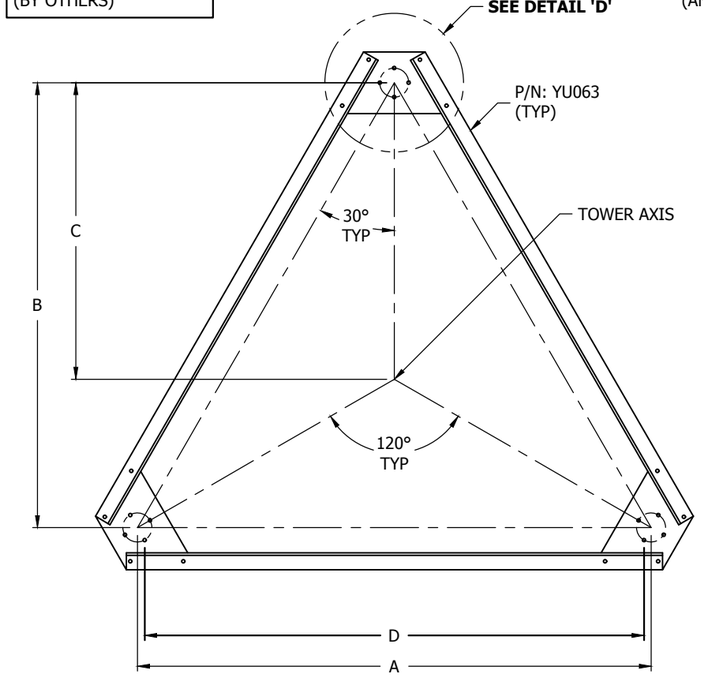
REV.	DESCRIPTION	DWN	CHK	APP
4	REVISED NOTES DATE: 08/31/2018	JHY	HA	HA

ROHN® PRODUCTS LLC
PO BOX 5999
PEORIA, IL 61601-5999
TOLL FREE 800-727-ROHN

ANSI/TIA-222-G
STANDARD FOUNDATION DESIGN NOTES

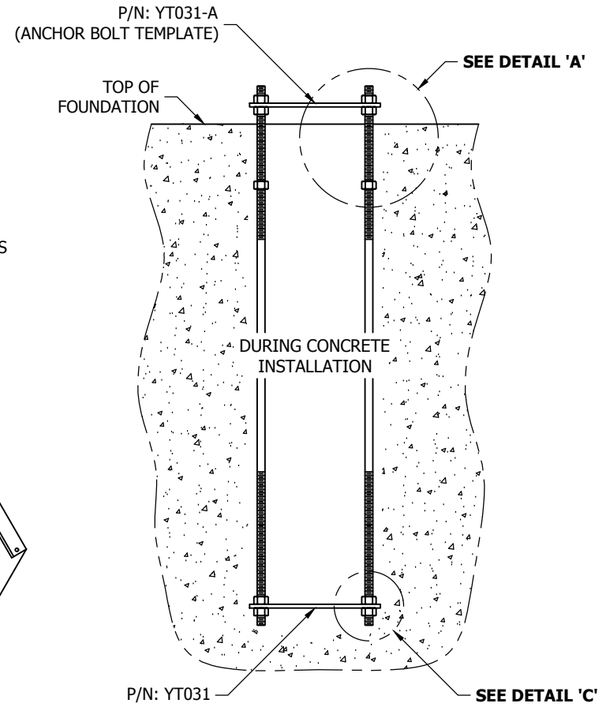
DWN:	CHK'D:	DATE:
FAD	HA	11/20/2009
ENG'R: HA	SHEET #: 1 OF 1	
PRJ. ENG'R:	PRJ. MANG'R:	
DRAWING NO: B090548		REV: 4

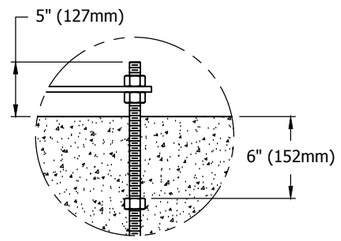
LEVELING BLOCKS TO BE LOCATED AS REQUIRED (BY OTHERS)



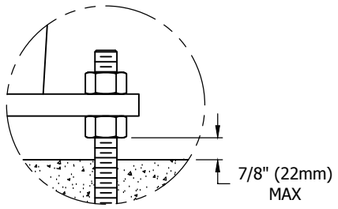
PLAN VIEW
N.T.S.

A	B	C	D
10'-9 1/2" (3.289M)	9'-4 3/16" (2.850M)	6'-2 13/16" (1.900M)	10'-4 3/4" (3.169M)





DETAIL 'A'



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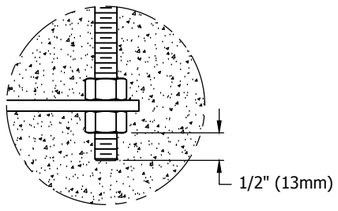
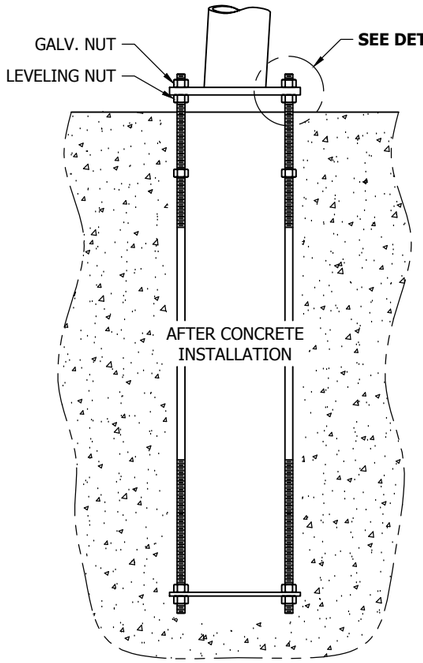
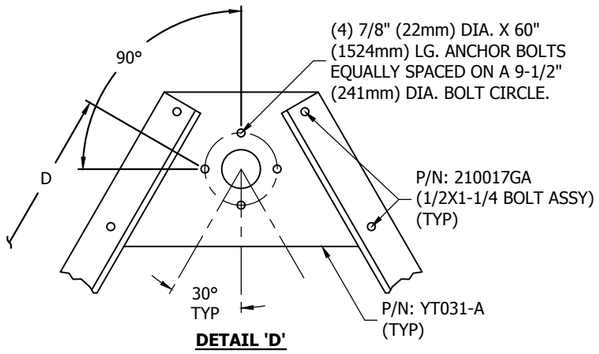


DETAIL 'C'





DETAIL 'D'

ANCHOR BOLT INSTALLATION TOLERANCES

1. FACE SPREAD DIMENSION CENTER-TO-CENTER OF ANCHOR BOLT CIRCLES - PLUS OR MINUS 1/16" (2mm) OR 1/16"(2mm) PER 20 FT. (6m) OF FACE SPREAD.
2. MAXIMUM DIFFERENCE BETWEEN ANY TWO FOUNDATION ELEVATIONS - 1/2" (13mm).
3. CONCRETE DIMENSIONS - PLUS OR MINUS 1" (25mm).
4. DEPTH OF FOUNDATION - PLUS 3" (76mm) OR MINUS 0".
5. DRILLED FOUNDATIONS OUT OF PLUMB - 1.0 DEGREE.
6. REINFORCING STEEL PLACEMENT - PER A.C.I. 301.
7. PROJECTION OF EMBEDMENTS - PLUS OR MINUS 1/8" (3mm).
8. VERTICAL EMBEDMENTS OUT OF PLUMB -1/2 DEGREE.
9. MAXIMUM DISTANCE FROM CENTERLINE OF ANCHOR BOLTS TO CENTERLINE OF FOUNDATION - 1/24 OF PIER DIAMETER UP TO A MAXIMUM OF 2" (50mm).
10. ANCHOR BOLT SPACING - 1/16" (2mm).
11. ANCHOR BOLT CIRCLE ORIENTATION - 1/4 DEGREE.
12. ANCHOR BOLT CIRCLE DIAMETER - PLUS OR MINUS 1/16" (2mm).

!!! WARNING !!!

- ENSURE DIMENSIONS A-D ARE CORRECT ON ALL FACES PRIOR TO PLACING CONCRETE AND THAT THE NUMBER AND SIZE OF ANCHOR BOLTS MATCHES THE STRUCTURE DRAWING.
- AFTER ANCHOR BOLTS ARE INSTALLED AND CONCRETE HAS TAKEN ITS INITIAL SET, ANCHOR BOLTS MUST NOT BE MOVED, BENT OR REALIGNED IN ANY MANNER.

ANCHOR BOLT TIGHTENING NOTES

1. NUTS, THREADS AND ALL NUT CONTACT SURFACES MUST BE CLEANED AND LUBRICATED AFTER CONCRETE INSTALLATION AND IMMEDIATELY BEFORE INSTALLATION OF LEVELING AND TOP NUTS. NUTS MUST BE FREE TO MOVE THROUGHOUT THE ENTIRE LENGTH OF THE ANCHOR BOLT THREAD PROJECTION.
2. AFTER LEVELING THE LEVELING NUTS AND SETTING THE BASE PLATE, TOP NUTS MUST BE INSTALLED IN AN INCREMENTAL STAR TIGHTENING SEQUENCE TO A SNUG TIGHT CONDITION FOLLOWED BY TIGHTENING THE LEVELING NUTS IN A SIMILAR PATTERN TO A SNUG TIGHT CONDITION. SNUG TIGHT IS DEFINED BY THE TIGHTNESS OBTAINED WITH THE EFFORT OF ONE PERSON WITH A 12 INCH NOMINAL LENGTH WRENCH.
3. AFTER ALL TOP AND LEVELING NUTS ARE TIGHTENED TO A SNUG TIGHT CONDITION, TOP NUTS SHALL BE FURTHER TIGHTENED IN AN INCREMENTAL STAR PATTERN WITH THE LEVELING NUTS SECURED TO RESULT IN A 1/3 TOP NUT ROTATION FOR ANCHOR BOLTS 1-1/2 INCHES OR LESS IN DIAMETER, OR A 1/6 TOP NUT ROTATION FOR ANCHOR BOLTS GREATER THAN 1-1/2 INCHES IN DIAMETER.

NOTES

1. ALL ANCHOR BOLTS MUST MEET OR EXCEED REQUIREMENTS OF A.S.T.M. F1554-S2, S5 GRADE 105.
2. ANCHOR BOLTS ARE GALVANIZED FULL LENGTH UNLESS OTHERWISE SPECIFIED.
3. SPECIAL CARE MUST BE TAKEN WHEN LIFTING ANCHOR BOLT CLUSTER TO PREVENT ANCHOR BOLT TEMPLATE DISTORTION.
4. ANCHOR BOLT ASSEMBLY MUST BE ADEQUATELY SUPPORTED AND RESTRAINED TO PREVENT MOVEMENT OF THE CLUSTER DURING CONCRETE INSTALLATION.
5. IT IS THE RESPONSIBILITY OF THE FOUNDATION CONTRACTOR TO VERIFY THAT THE CORRECT ANCHOR BOLT TEMPLATE AND FOUNDATION SHOWN ON RESPECTIVE SITE DRAWINGS ARE BEING USED.
6. IT IS THE RESPONSIBILITY OF THE FOUNDATION DESIGN ENGINEER TO INSURE THAT THE ANCHORAGES PROVIDED ARE COMPATIBLE WITH THE PROPOSED FOUNDATION DESIGNS AND THAT THE CAPACITIES OF THE ANCHORAGES ARE NOT LIMITED BY THE STRENGTH OF THE FOUNDATIONS.

!! WARNING !!

PRIOR TO PLACING CONCRETE:

- **CHECK THAT THE TEMPLATE ANCHOR BOLT CIRCLE MATCHES THE ANCHOR BOLT CIRCLE SHOWN ON THE STRUCTURAL DRAWING.**
- **CALL ROHN (309)-566-3000 FOR ANY DISCREPANCY.**

FILE NO.

REVISIONS

REV.	DESCRIPTION	DWN	CHK	APP

RT LAYOUT
SECTION: 10
LEG SIZE: 3

ROHN® PRODUCTS LLC
PO BOX 5999
PEORIA, IL 61601-5999
TOLL FREE 800-727-ROHN

ANCHOR BOLT LAYOUT
7/8" [22mm]Ø BOLTS (12D1079RTFST)

DWN:	CHK'D:	DATE:
JEC	KTL	4/18/2018
ENG'R: HA	SHEET #: 1 OF 1	
PRJ. ENG'R: AS	PRJ. MANG'R:	
DRAWING NO: 12D1079RTFST		REV: 0

Fiber Installation Site # 1 – SCSD Garage – Project Site

Fiber Installation Site # 1 – SCSD Garage – Streetscape

Across the street from SCSD Garage

Southeast from SCSD Garage

Next-door to SCSD Garage

Fiber Installation Site # 15 – Onondaga-Geddes Corner Lot – Project Site

Fiber Installation Site # 15 – Onondaga-Geddes Corner Lot – Streetscape

View from approximate monopole location

Streetscape view from approximate monopole location

Across S Geddes St

Corner of South Geddes St and W Onondaga St

Across West Onondaga St

NEW YORK STATE | Department of Transportation

KATHY HOCHUL
Governor

MARIE THERESE DOMINGUEZ
Commissioner

DAVID P. SMITH, P.E.
Regional Director

December 13, 2024

Mr. Steven Kulick, Chairperson
City of Syracuse City Planning Commission
300 S. State Street, Suite 700
Syracuse, NY 13202
via zoning@syr.gov

Dear Mr. Kulick

RE: SEQR LEAD AGENCY DESIGNATION
SURGE LINK EXPANSION, CITY OF SYRACUSE, ONONDAGA COUNTY

The New York State Department of Transportation (NYSDOT) has received your letter regarding the Syracuse Surge Link Expansion. NYSDOT has no objection to the City of Syracuse City Planning Commission acting as lead agency for the purposes of SEQR.

The I-81 Project group has the following comments pertaining to an I-81 design conflict perspective:

1. The pole line along Lodi St., between Bear St. and Hiawatha Blvd. has a high potential to be affected by Contract 7.

2. The pole line along Van Rensselaer St., crossing I-690, has the potential to be affected by Contract 6 if the contract limits shift west at all. Currently the limits are shown just east of Van Rensselaer St.

3. The underground line on James St., crossing the existing I-81 viaduct and I-690 has potential to be affected by Contracts 6 and 7.

4. Upcoming drainage trunkline route is along Water St. and would cross proposed fiber route at S. Warren St.

5. I-81 NB and SB over E. Seneca Turnpike: New superstructures and substructures and abutments relocated. Design-Builder confirmed they were able to avoid all utility relocations in this area, except for lighting conduit relocation on the north side of E Seneca Turnpike.

6. There are changes to curb line and roadway footprint on E. Brighton Ave. south of Rock Cut Rd. related to Contract 2, including relocation of utility and street light poles in this area.

NYSDOT further advises that the applicant work with the NYSDOT I-81 Project Group before any actual work commences in the project areas along I-81, I-481 and I-690.

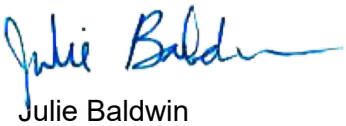
Any work within the State right-of-way (ROW) will require coordination with the NYSDOT to obtain a Highway Work Permit. Any questions regarding the permit process can be directed to Jeff Deep, Acting Regional Permit Engineer, at Jeffrey.Deep@dot.ny.gov or (315) 428-3233.

Thank you for keeping us informed on SEQR matters within the City of Syracuse.

Very truly yours,

DAVID N. ROTH
Director, Planning and Program Management

By



Julie Baldwin
Senior Transportation Analyst

DNR/JB/jb
File 33-24-17

cc: Cristian Toellner, CToellner@syr.gov
Joe Driscoll, JDriscoll@syr.gov

J.Ryan McMahon, II
COUNTY EXECUTIVE

Onondaga County Planning Board

RESOLUTION OF THE
ONONDAGA COUNTY PLANNING BOARD
Meeting Date: December 04, 2024
OCPB Case # Z-24-342

WHEREAS, the Onondaga County Planning Board, pursuant to General Municipal Law, Section 239 l, m and n, has considered and reviewed the referral for a SITE PLAN from the City of Syracuse Planning Commission at the request of Jennifer Tifft for the property located at multiple locations; and

WHEREAS, General Municipal Law Section 239-m allows the County Planning Board to review approval of site plans and, of the multiple sites, four are referable individually by being within 500 feet of Route 81 and Route 481, state highways, Rock Cut Road (Route 103), a county highway, Harbor Brook, a county-owned drainage channel, the municipal boundary between the City of Syracuse and the Town of Salina, and the municipal boundary between the City of Syracuse and the Town of Onondaga; and

WHEREAS, the City of Syracuse is expanding the broadband network by installing fiber optic cables, rooftop antenna arrays, and monopoles on 9 parcels located in various zoning districts; and

WHEREAS, per the local application, this proposal is funded by the New York State ConnectALL Municipal Infrastructure Program and will involve providing internet service to over 13,500 locations in the city with a “hybrid deployment of fiber optic and fixed-wireless access equipment” and “20 miles of fiber optics and 10+ wireless hubs”; and

WHEREAS, the current referral proposes installation of wireless equipment at nine sites across the City, seven of which will be roof-mounted equipment; per the narrative, the wireless equipment will be approximately 2-4 sf per site; and

WHEREAS, the seven locations to receive roof-mounted equipment will be 947 Pond Street, 710 Lodi Street, 1153 West Fayette Street, 122 West Seneca Turnpike, 417 Churchill Avenue, 821 East Brighton Avenue, and 510 Kirkpatrick Street; and

WHEREAS, 369-79 6th North Street is a City-owned property and contains the Syracuse City School District Transportation Center and Bus Garage; this site is located in an industrial area of the City’s north side and is surrounded by a CSX railroad track along the northwest boundary, vacant lands to the south, a bus company to the northeast, automobile service garage to the southeast; per the referral materials, a 150’ steel pole will be installed in a 20’x20’ area in the westernmost corner of the site; per the narrative, the self-support structure is designed “to provide the most minimal ground footprint and vertical appearance”; and

WHEREAS, 1233-43 West Onondaga Street is a City-owned property listed as the “Onondaga-Geddes Playlot” maintained by the City Department of Parks and Recreation and is located on a hillside, raised above the intersection of West Onondaga and South Geddes Streets; the site is located on the southwest side of the City in a residential neighborhood and is surrounded on all sides by residential; Bellevue School, Upper Onondaga Park, and the Woodland Reservoir are in close proximity

to the site; per the Pole Site Plan dated 3/9/24 and the Pole Configuration Drawing dated 7/26/23, the applicant is proposing installation of 79'11" monopole for the equipment in the center of the Playlot, surrounded by an 8'x8' chain-link fence with gate; the Site Plan does not depict any screening or landscaping to minimize the appearance of the monopole; per the Streetscape view included in the referral, houses are visible in all directions; and

WHEREAS, per GIS Mapping, Ley Creek is located on the other side of the CSX railroad tracks from the 369-79 6th North Street site; current FEMA Flood Insurance Rate Maps (FIRM) indicate most of the 369-79 6th North Street site is located within the 100-year floodplain, which may require avoidance or elevation of structures and other mitigation; this site is located in an Onondaga County Drainage District for Bear Trap and Ley Creek, which is maintained by the Department of Water Environment Protection in this area; and

WHEREAS, ADVISORY NOTE: Per GML § 239-nn, the legislative body or other authorized body having jurisdiction in a municipality shall give notice to an adjacent municipality when a hearing is held by such body relating to a subdivision, site plan, special use permit, or a use variance on property that is within five hundred feet of an adjacent municipality; such notice shall be given by mail or electronic transmission to the clerk of the adjacent municipality at least ten days prior to any such hearing; and

NOW THEREFORE BE IT RESOLVED, that the Onondaga County Planning Board has determined that said referral will have no significant adverse inter-community or county-wide implications. The Board has offered the following COMMENT(S) in regards to the above referral:

1. The New York State Department of Transportation reminds the City and applicant any work or installation of facilities within the State right-of-way must be permitted by NYSDOT.

2. The Board encourages the applicant and City to seek alternative siting for the 80' monopole to be located in the center of the Onondaga-Geddes Playlot due to the location being a recreational area for children and the visual prominence of the site to the surrounding residential neighborhood. If an alternative location cannot be found, the Board encourages the impact of the monopole be minimized by relocating the pole from the center of the site and/or screening the pole from view to the extent practicable. Additionally, the municipality should ensure the pole and fence are safe from potential climbing or use by children utilizing their Playlot.

Martin E. Voss, Chairman
Onondaga County Planning Board

1100 Civic Center, 421 Montgomery Street, Syracuse, NY 13202 (315) 435-2611, Fax (315) 435-2439

E-mail Address: countyplanning@ongov.net

Consent to Lead Agency Designation

The Empire State Development concurs with the City of Syracuse City Planning Commission assumption of Lead Agency status for the coordinated environmental review of the Surge Link Expansion.

Date: December 6, 2024

By: Nicole J. Francis

Name: Nicole J. Francis

Title: Director, Planning & Environmental Review

Consent to Lead Agency Designation

The LANDMARKS PRESERVATION BD. concurs with the City of Syracuse City Planning Commission assumption of Lead Agency status for the coordinated environmental review of the Surge Link Expansion.

Date: DEC. 5, 2024

By: [signature]

Name: JULIA HAFFTKA-MARSHALL

Title: CHAIRPERSON

Consent to Lead Agency Designation

The NYS Department of Transportation concurs with the City of Syracuse City Planning Commission assumption of Lead Agency status for the coordinated environmental review of the Surge Link Expansion.

Date: 12/13/2024, 2024

By: Julie Baldwin

Name: Julie Baldwin

Title: Senior Transportation Analyst

Toellner, Cristian

From: Sedgwick, Robyn M (PARKS) <Robyn.Sedgwick@parks.ny.gov>
Sent: Friday, December 13, 2024 11:53 AM
To: Toellner, Cristian; Tifft, Jennifer
Cc: Auwaerter, Kate; Brazee, Olivia (PARKS)
Subject: [EXTERNAL] RE: [EXTERNAL] RE: Action Requested: SEQR Lead Agency Letter

Good morning Cristian,

My office has no concerns with the Syracuse City Planning Commission acting as lead agency for purposes of SEQRA. Feel free to let me know if you have any other questions or concerns.

Best,

Robyn

Robyn Sedgwick
Historic Site Restoration Coordinator

New York State Parks, Recreation & Historic Preservation
Division for Historic Preservation
Peebles Island Resource Center
518-268-2170
robyn.sedgwick@parks.ny.gov
www.parks.ny.gov

From: Toellner, Cristian <ctoellner@syr.gov>
Sent: Friday, December 13, 2024 10:53 AM
To: Tifft, Jennifer <jtifft@syr.gov>; Sedgwick, Robyn M (PARKS) <Robyn.Sedgwick@parks.ny.gov>
Cc: Auwaerter, Kate <kauwaerter@syr.gov>
Subject: RE: [EXTERNAL] RE: Action Requested: SEQR Lead Agency Letter

Robyn,

Consent to Lead Agency Designation

The Common Council concurs with the City of Syracuse City Planning Commission assumption of Lead Agency status for the coordinated environmental review of the Surge Link Expansion.

Date: 12-2, 2024

By: _____

Name: Joseph W. Barry III

Title: First Assistant Corp Counsel

Consent to Lead Agency Designation

The County of Onondaga concurs with the City of Syracuse City Planning Commission assumption of Lead Agency status for the coordinated environmental review of the Surge Link Expansion.

Date: December 6, 2024

By: _____

Name: Troy Waffner

Title: Planning Director

Agency Use Only [If applicable]

Project : MaSPR-24-41

Date : 12/12/2024

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "**Yes"** to a numbered question, please complete all the questions that follow in that section.
- If you answer "**No"** to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land

Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)

☑ NO ☐ YES

If "Yes", answer questions a - j. If "No", move on to Section 2.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	☐	☐
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	☐	☐
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	☐	☐
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	☐	☐
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	☐	☐
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	☐	☐
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	☐	☐
h. Other impacts: _____ _____		☐	☐

2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g) ☑ NO ☐ YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	□	□
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	□	□
c. Other impacts: _____ _____		□	□

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) ☑ NO ☐ YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	□	□
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	□	□
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	□	□
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	□	□
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	□	□
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	□	□
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	□	□
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	□	□
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	□	□
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	□	□
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	□	□

l. Other impacts: _____ _____		□	□

4. Impact on groundwater

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t)

☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	□	□
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	□	□
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	□	□
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	□	□
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	□	□
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	□	□
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	□	□
h. Other impacts: _____ _____		□	□

5. Impact on Flooding

The proposed action may result in development on lands subject to flooding. (See Part 1. E.2)

☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	□	□
b. The proposed action may result in development within a 100 year floodplain.	E2j	□	□
c. The proposed action may result in development within a 500 year floodplain.	E2k	□	□
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	□	□
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	□	□
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	□	□

g. Other impacts: _____ _____		☐	☐

6. Impacts on Air

The proposed action may include a state regulated air emission source. ☑ NO ☐ YES
(See Part 1. D.2.f., D.2.h, D.2.g)
If "Yes", answer questions a - f. If "No", move on to Section 7.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO_2)	D2g	☐	☐
ii. More than 3.5 tons/year of nitrous oxide (N_2O)	D2g	☐	☐
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	☐	☐
iv. More than .045 tons/year of sulfur hexafluoride (SF_6)	D2g	☐	☐
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	☐	☐
vi. 43 tons/year or more of methane	D2h	☐	☐
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	☐	☐
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	☐	☐
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	☐	☐
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	☐	☐
f. Other impacts: _____ _____		☐	☐

7. Impact on Plants and Animals

The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) ☑ NO ☐ YES
If "Yes", answer questions a - j. If "No", move on to Section 8.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	☐	☐
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	☐	☐
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	☐	☐
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	☐	☐

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	□	□
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	□	□
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	□	□
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____ _____	E1b	□	□
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	□	□
j. Other impacts: _____ _____		□	□

8. Impact on Agricultural Resources

The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 9.

	Relevant Part I Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	□	□
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb	□	□
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	□	□
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	□	□
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b	□	□
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	□	□
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	□	□
h. Other impacts: _____		□	□

9. Impact on Aesthetic Resources

The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)

☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", go to Section 10.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	☐	☐
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	☐	☐
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	 ☐ ☐	 ☐ ☐
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	 ☐ ☐	 ☐ ☐
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	☐	☐
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile ½ -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	☐	☐
g. Other impacts: _____ _____		☐	☐

10. Impact on Historic and Archeological Resources

The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)

☑ NO ☐ YES

If "Yes", answer questions a - e. If "No", go to Section 11.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.	E3e	☐	☐
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	☐	☐
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	☐	☐

d. Other impacts: _____ _____		□	□
e. If any of the above (a-d) are answered "Moderate to large impact may occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	□	□
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	□	□
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	□	□

11. Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan.
(See Part 1. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	□	□
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	□	□
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	□	□
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	□	□
e. Other impacts: _____ _____		□	□

12. Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d)
If "Yes", answer questions a - c. If "No", go to Section 13.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
c. Other impacts: _____ _____		□	□

13. Impact on Transportation

The proposed action may result in a change to existing transportation systems. ☑ NO ☐ YES
(See Part 1. D.2.j)
If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	☐	☐
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	☐	☐
c. The proposed action will degrade existing transit access.	D2j	☐	☐
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	☐	☐
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	☐	☐
f. Other impacts: _____ _____		☐	☐

14. Impact on Energy

The proposed action may cause an increase in the use of any form of energy. ☑ NO ☐ YES
(See Part 1. D.2.k)
If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	☐	☐
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	☐	☐
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	☐	☐
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	☐	☐
e. Other Impacts: _____ _____			

15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting. ☑ NO ☐ YES
(See Part 1. D.2.m., n., and o.)
If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	☐	☐
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	☐	☐
c. The proposed action may result in routine odors for more than one hour per day.	D2o	☐	☐

d. The proposed action may result in light shining onto adjoining properties.	D2n	☐	☐
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	☐	☐
f. Other impacts: _____ _____		☐	☐

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.) ☑ NO ☐ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	☐	☐
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	☐	☐
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	☐	☐
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	☐	☐
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	☐	☐
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	☐	☐
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	☐	☐
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	☐	☐
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	☐	☐
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	☐	☐
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	☐	☐
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	☐	☐
m. Other impacts: _____ _____			

17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. ☑ NO ☐ YES

(See Part 1. C.1, C.2. and C.3.)

If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	☐	☐
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	☐	☐
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	☐	☐
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	☐	☐
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb	☐	☐
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	☐	☐
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	☐	☐
h. Other: _____ _____		☐	☐

18. Consistency with Community Character

The proposed project is inconsistent with the existing community character. ☑ NO ☐ YES

(See Part 1. C.2, C.3, D.2, E.3)

If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	☐	☐
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	☐	☐
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	☐	☐
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	☐	☐
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	☐	☐
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	☐	☐
g. Other impacts: _____ _____		☐	☐

PRINT FULL FORM

Agency Use Only [IfApplicable]

Project : MaSPR-24-41

Date : 12/18/2024

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: ☐ Type 1 ☑ Unlisted

Identify portions of EAF completed for this Project: ☑ Part 1 ☑ Part 2 ☑ Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the _____ as lead agency that:

☑ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.7(d)).

☐ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: City of Syracuse Surge Link Expansion - NYS ConnectALL Municipal Infrastructure Program

Name of Lead Agency: City of Syracuse City Planning Commission

Name of Responsible Officer in Lead Agency: Steven Kulick

Title of Responsible Officer: Chairperson

Signature of Responsible Officer in Lead Agency: Date:

Signature of Preparer (if different from Responsible Officer) Date:

For Further Information:

Contact Person: Jake Dishaw

Address: One Park Place, 300 S State St, Suite 700, Syracuse, NY 13202

Telephone Number: 315-448-8640

E-mail: zoning@syr.gov

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

PRINT FULL FORM

Jake Dishaw
Zoning Administrator

300 South State St, Suite 700
Syracuse, NY 13202

OFFICE OF ZONING ADMINISTRATION
Ben Walsh, Mayor

To: City of Syracuse DPW

From: Zhitong Wu, Zoning Planner

Date: 12/13/2024 3:56:49 PM

Re: Major Site Plan Review MaSPR-24-41
233 Washington St E & Montgom, Syracuse, 13202

The Departments and/or Boards below have reviewed your application and provided the following comments for your information and action as appropriate.

Please modify the proposal as necessary to address the comments/recommendations. Upon receipt of any revisions and/or written justification to the Office of Zoning Administration, a Public Hearing will be scheduled.

Please contact the Zoning Office at (315) 448-8640 or Zoning@syrgov.net if you have any questions.

Approval	Status	Status Date	Reviewer	Comments
Zoning Planner	On Hold	12/12/2024	Zhitong Wu	On hold for CPC decision.
Planning Commission	Pending	11/19/2024		
Landmark Preservation Board	Internal Review Complete	12/13/2024	Kate Auwaerter	The LPB reviewed the plans at its 12/5/24 meeting. The board consented to CPC taking Lead Agency role for the project. Please provide installation specifications for antenna at the Public Safety Building (1153 W Fayette St) when available.
Onondaga Co Planning Board	Approved	12/12/2024	Zhitong Wu	no concerns. The Board has provided following comments: 1. The New York State Department of Transportation reminds the City and applicant any work or installation of facilities within the State right-of-way must be permitted by NYSDOT. 2. The Board encourages the applicant and City to seek alternative siting for the 80' monopole to be located in the center of the Onondaga-Geddes Playlot due to the location being a recreational area for children and the visual prominence of the site to the surrounding residential neighborhood. If an alternative location cannot be found, the Board encourages the impact of the monopole be minimized by relocating the pole from the center of the site and/or screening the pole from view to the extent practicable. Additionally, the municipality should ensure the pole and fence are safe from potential climbing or use by children utilizing their Playlot.