



## ARCHITECTURAL REVIEW COMMISSION MEETING AGENDA

Department of Community and Economic Development

Meeting Date: December 17, 2020

Notice is hereby given that the **Cottonwood Heights Architectural Review Commission** will electronically hold a public meeting beginning at approximately **6:00 p.m.** or soon thereafter, on **Thursday, December 17, 2020**. In view of the current COVID-19 pandemic, this meeting will occur only electronically, without a physical location, as authorized by the Governor's Executive Order 2020-05 dated March 18, 2020 and related legislation enacted by the Utah Legislature since that date. (See the attached written determination of the chair or acting chair of the Architectural Review Commission that conducting this meeting with a physical anchor location presents a substantial risk to the health and safety of those who may be present at the anchor location). The public may remotely hear the open portions of the meeting through live broadcast by connecting to <http://mixlr.com/chmeetings>.

**To View the Public Meeting:** Each citizen desiring to view the public meeting must register in advance to view the online video broadcast at the following link:

[https://cwh.zoom.us/webinar/register/WN\\_uAFjCyUDTPmWLRHRh\\_iCKw](https://cwh.zoom.us/webinar/register/WN_uAFjCyUDTPmWLRHRh_iCKw)

### 6:00 p.m. BUSINESS MEETING

#### 1.0 Welcome and Acknowledgements

- 1.1. Ex Parte Communications or Conflicts of Interest to Disclose

#### 2.0 Discussion Items

##### 2.1 (Project WT-20-001)

Action on request by SQF, LLC for a Certificate of Design Compliance for two new small cell facilities located in the city right-of-way. ***Continued from the November 19, 2020 ARC Meeting.***

#### 3.0 Consent Agenda

##### 3.1 Approval of Minutes for December 17, 2020

*(The Architectural Review Commission will move to approve the minutes of December 17, 2020 after the following process is met. The recorder will prepare the minutes and email them to each member of the Commission. The members will have five days to review the minutes and provide any changes to the recorder. If, after five days there are no changes, the minutes will stand approved. If there are changes, the process will be followed until the changes are made and the Commission agrees, at which time the minutes shall be deemed approved.)*

#### 4.0 Adjourn

### Meeting Procedures

Items will generally be heard in the following order:

1. Staff Presentation
2. Applicant Presentation
3. Architectural Review Committee Deliberation
4. Architectural Review Committee Motion and Vote

Architectural Review Commission applications may be tabled if: 1) Additional information is needed in order to act on the item; OR 2) the Architectural Review Commission feels there are unresolved issues that may need further attention before the Commission is ready to make a motion. **NO agenda item will begin after 9 pm** without a unanimous vote of the Commission. The Commission may carry over agenda items, scheduled late in the evening and not heard, to the next regularly scheduled meeting.

### Notice of Participation by Telephonic/Digital Means

Architectural Review Commission may participate in the meeting via telephonic communication. If a Commissioner does participate via telephonic communication, the Commissioner will be on speakerphone. The speakerphone will be amplified so that the other Commissioners and all other persons present in the room will be able to hear all discussions.

### Notice of Compliance with the American Disabilities Act (ADA)

In compliance with the Americans with Disabilities Act, individuals needing special accommodations or assistance during this meeting shall notify the City Recorder at (801) 944-7021 at least 24 hours prior to the meeting. TDD number is (801) 270-2425 or call Relay Utah at #711.

### Confirmation of Public Notice

On Friday, December 11, 2020 a copy of the foregoing notice was posted in conspicuous view in the front foyer of the Cottonwood Heights City Offices. The agenda was also posted on the City's website at [www.cottonwoodheights.utah.gov](http://www.cottonwoodheights.utah.gov) and the State Public Meeting Notice website at <http://pmn.utah.gov>.

#### DETERMINATION OF THE ARCHITECTURAL REVIEW COMMISSION CHAIR CONCERNING AN ANCHOR LOCATION

Pursuant to UTAH CODE ANN. 52-4-207(4), the chair (or acting chair) of the Cottonwood Heights Architectural Review Commission hereby determines that conducting this Architectural Review Commission meeting at an anchor location presents a substantial risk to the health and safety of those who may be present at the anchor location. The World Health Organization, the President of the United States, the Governor of Utah, the Salt Lake County Mayor and Health Department, and the Mayor of this city have all recognized that a global pandemic exists related to the new strain of a coronavirus named SARS-CoV-2. Due to the state of emergency caused by the global pandemic, I find that conducting a meeting at an anchor location under the current state of public health emergency constitutes a substantial risk to the health and safety of those who may be present at the location. According to information from state epidemiology experts, Utah is currently in an acceleration phase, which has the potential to overwhelm the state's healthcare system.

Signature

Date

DATED THIS 11<sup>th</sup> DAY OF DECEMBER 2020  
Paula Melgar, City Recorder



## ARCHITECTURAL REVIEW COMMISSION STAFF MEMO

2 New Small Cell Facilities – SQF, LLC

Meeting Date: December 17, 2020

Staff Contact: Andy Hulka, Senior Planner

([ahulka@ch.utah.gov](mailto:ahulka@ch.utah.gov), 801-944-7065)

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### Summary

**Project Number:**

WT-20-001

**Subject Property:**

1. 1869 E. Fort Union Blvd.
2. 7069 S. Highland Dr.

**Action Requested:**

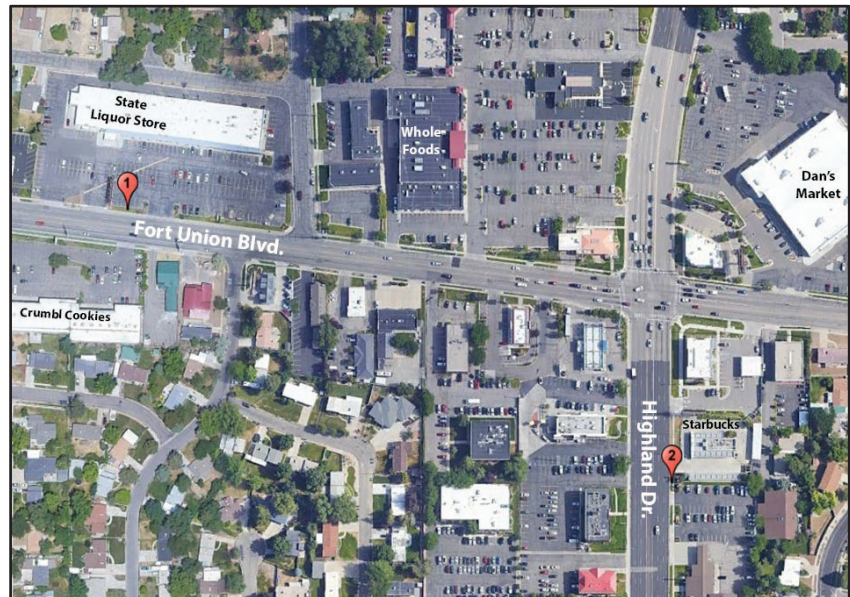
Certificate of Design  
Compliance – Construction  
of 2 New Small Cell Facilities

**Applicant:**

SQF, LLC

**Recommendation:**

Approve, with conditions



*Aerial View*

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### Background

#### November 2020 ARC Meeting

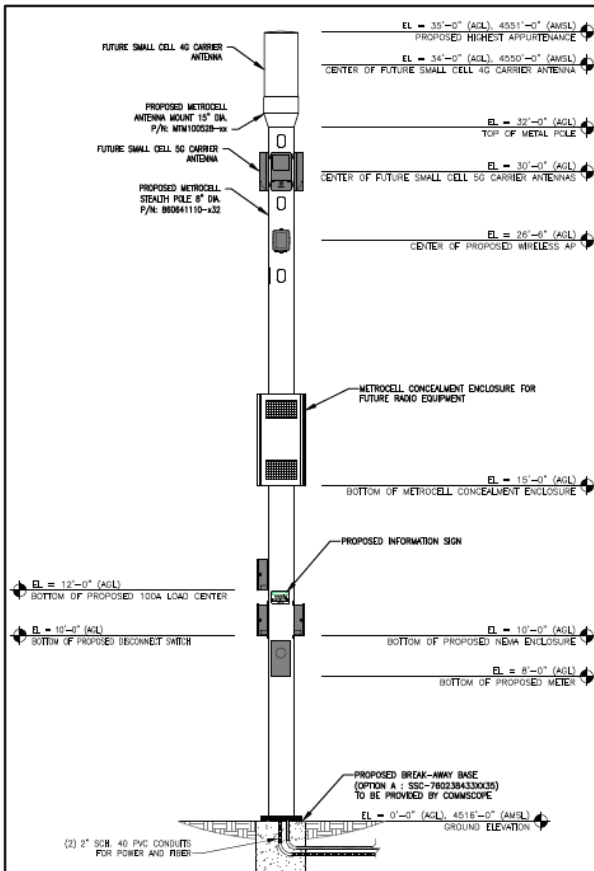
The ARC initially reviewed the request for two new small cell facilities in the Gateway District on November 19, 2020. The Commission moved to continue the project to the December meeting with the following comments:

- Staff to review the potential for a Small Cell & Street Light Master Plan.
- Applicant to explore feasibility of redesigning the small cell facilities with the following suggestions:
  - Add a decorative base to match city streetlights.
  - Add a fluted element to the pole.
  - Add an additional light fixture over the sidewalk.
  - Include equipment inside the pole rather than outside where possible.

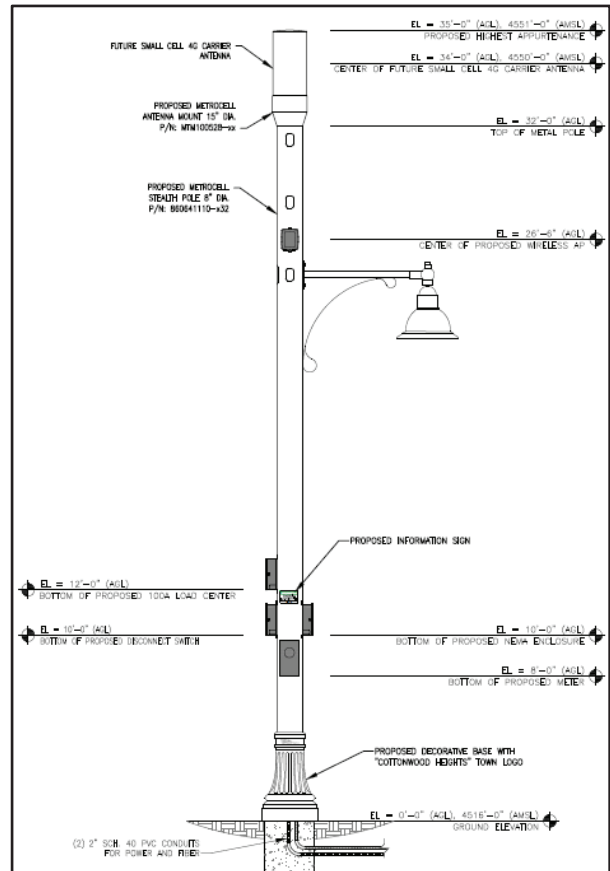
1. 1869 E. Fort Union Blvd. (CW 06)



*Small Cell Facility – Proposed Location*



*Original Design*



*Revised Design*



*Original Photo Simulation*



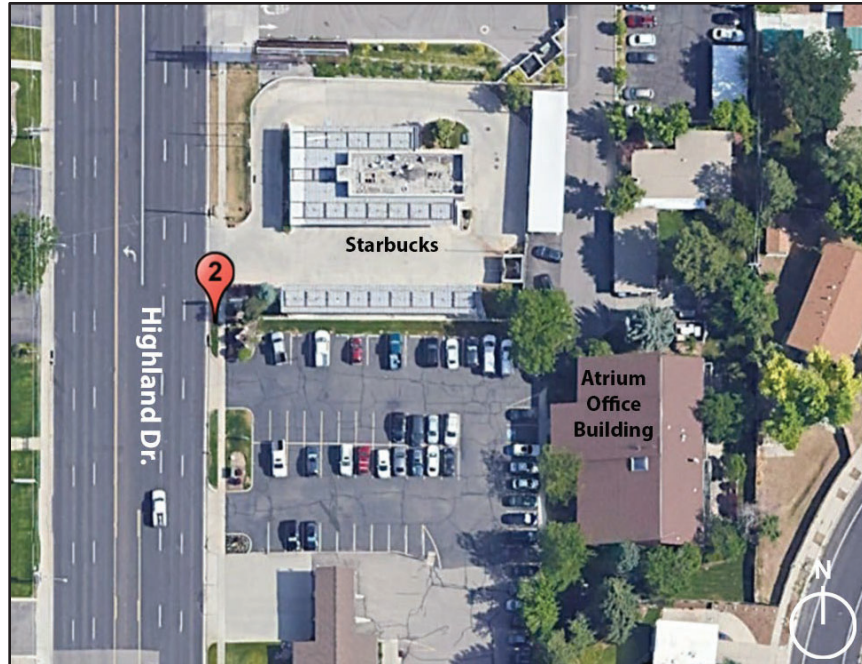
*Revised Photo Simulation*

The applicant revised the plans to include a decorative base with the city logo, remove the future 5G antenna and enclosure for future radio equipment, and add light fixtures as requested.

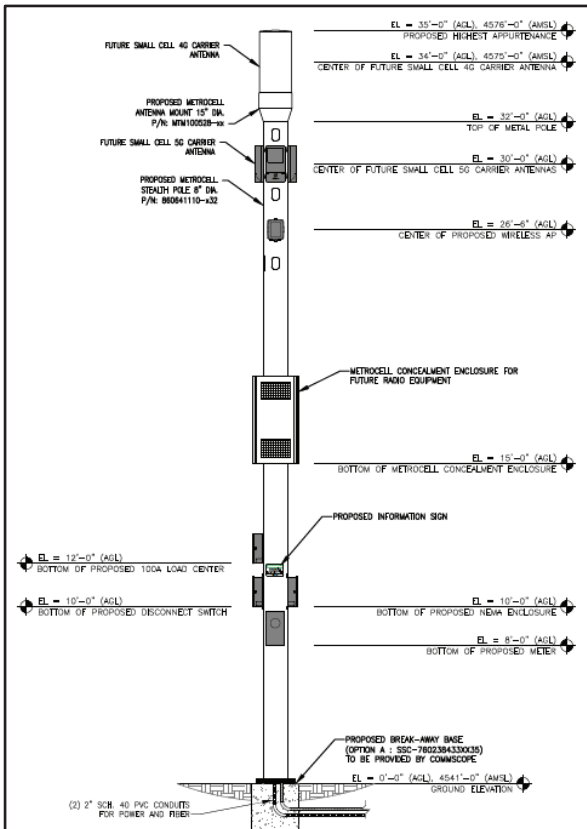


*Decorative Base Specs (to be painted black and include city logo)*

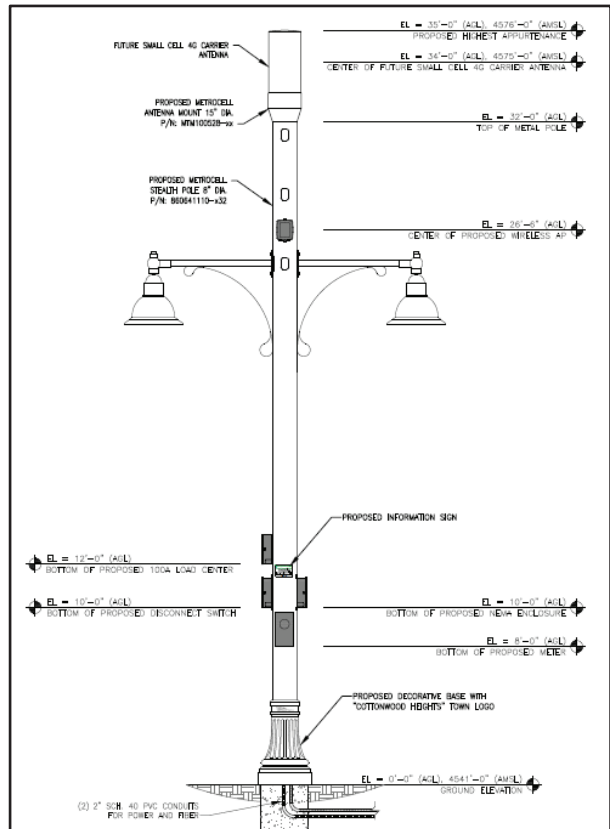
2. 7069 S. Highland Dr. (CW 07)



*Small Cell Facility – Proposed Location*



*Original Design*



*Revised Design*

December 17, 2020

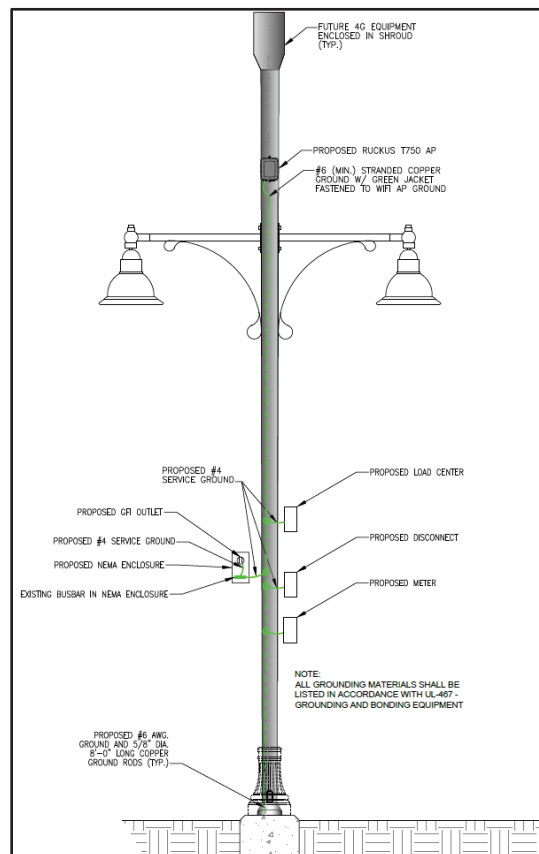
*Original Photo Simulation**Revised Photo Simulation*

This facility was also updated to include a decorative base with the city logo, remove the future 5G antenna and enclosure for future radio equipment, and add light fixtures as requested. Commissioners should note that both lights on the proposed facility have been added at approximately 25' high, instead of adding the light over the sidewalk at a lower height. The applicant stated that the design was chosen for the following reasons:

*Regarding the lights, the availability of vertical real estate (space on the pole) is critical to attracting future small cell facilities onto the pole, and minimize the need for multiple poles in the right of way. The lights take up vertical real estate that would otherwise be used for a future small cell facility. Knowing the importance of the lights to the design, SQF has chosen to attach the lights, and locate them at the same height to preserve the available vertical real estate to accommodate future small cell facilities onto the pole. Locating the lights at different heights will take up twice as much space on the pole and limit the potential to for future small call carriers, and could result in the need for additional poles in the right of way.*



*Existing streetlight to the north of proposed facility (Zions Bank)*



*Proposed Design with Light Fixtures at Approx. 25'*

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## Recommendation & Conditions of Approval

Staff recommends approval of the application with conditions:

1. The poles must be painted with a textured black paint to match City streetlights and include the City Logo;
2. Street lighting shall be 5600 lumens equivalent LED lighting and no more than 3500 kelvin, as required by the City subdivision ordinance (12.24.190) and the City outdoor lighting ordinance (19.77).
3. Obtain a building permit and right-of-way permit from the City for each location prior to construction.

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## Model Motions

### Approval

I move to issue a Certificate of Design Compliance for project WT-20-001 subject to all recommended conditions of approval outlined in the staff report dated December 17, 2020

- Add any additional conditions of approval...

### Denial

I move to deny a Certificate of Design for project WT-20-001 based on the following findings:

- List reasons for denial...

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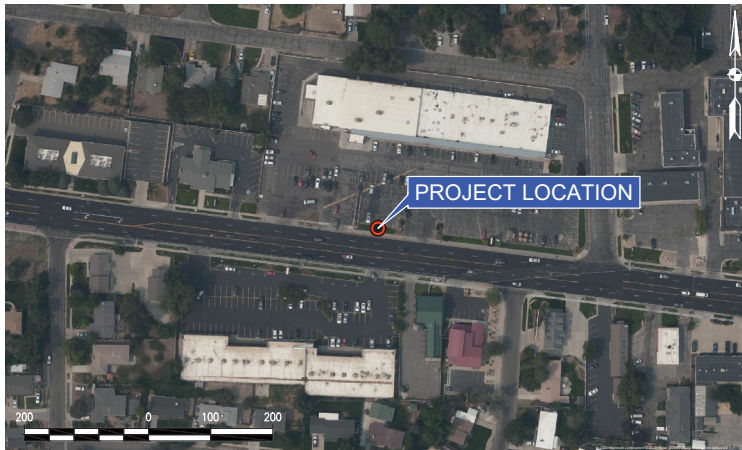
## Attachments

1. Proposed Plans
2. November 19, 2020 Staff Report

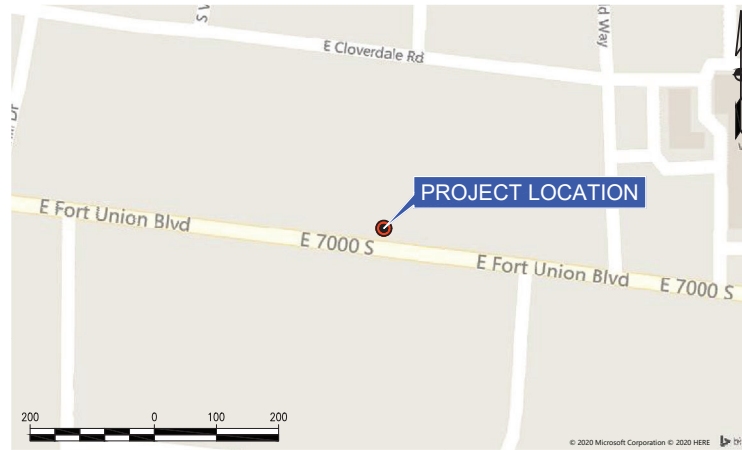
# SQF, LLC

SITE NAME: SQFCH-CON1003\_COTTONWOOD\_UT\_06  
PROPOSED WI-FI SMALL CELL NODE

1869 7000 S  
COTTONWOOD HEIGHTS, UT 84121  
SALT LAKE COUNTY  
LAT: 40°37'28.90" (N) / 40.624694°  
LONG: 111°50'17.26" (W) / -111.838129°



SATELLITE IMAGE



STREET MAP

CONSTRUCTION DRAWING  
PREPARED FOR:

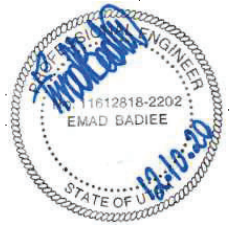
SQF, LLC

CONSTRUCTION DRAWING  
PREPARED BY:

**TILSON**  
On a Mission

16 MIDDLE STREET, 4TH FLOOR,  
PORTLAND, ME 04101  
T: (207) 591-6427  
INFO@TILSONTECH.COM TILSONTECH.COM

STAMP



REVISION HISTORY:

| REV | DATE     | ISSUED FOR           | DRAFTER |
|-----|----------|----------------------|---------|
| 1   | 08/11/20 | ISSUED FOR PERMIT    | YEH     |
| 2   | 11/10/20 | UPDATED POLE DETAILS | YEH     |
| 3   | 12/10/20 | UPDATED POLE DETAILS | EHG     |
|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |

PROJECT INFORMATION:

SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_06

1869 7000 S  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

## PROJECT SUMMARY

THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE GENERAL INFORMATION IN REGARDS TO LOCATION AND SIZE OF THE PROPOSED WI-FI SMALL CELL EQUIPMENT ARRANGEMENT. THIS DOCUMENT IS ISSUED FOR PERMITTING PURPOSES ONLY, AND SHALL NOT BE USED FOR CONSTRUCTION.

## PROJECT INFORMATION

|                  |                                                                 |                    |                                                  |
|------------------|-----------------------------------------------------------------|--------------------|--------------------------------------------------|
| SITE NAME:       | SQFCH-CON1003_COTTONWOOD_UT_06                                  | SERVICE TERRITORY: | ELECTRIC - PSE&G<br>TELEPHONE - VERIZON WIRELESS |
| SITE ADDRESS:    | 1869 7000 S<br>COTTONWOOD HEIGHTS, UT 84121<br>SALT LAKE COUNTY | APPLICANT:         | SQF, LLC                                         |
| STRUCTURE OWNER: | SQF, LLC                                                        | ROW OWNER:         | CITY OF COTTONWOOD HEIGHTS                       |
| POLE NUMBER:     | 2,147                                                           | STRUCTURE TYPE:    | PROPOSED METAL POLE                              |

## LOCAL UTILITY CONTACTS

ELECTRIC UTILITY: PSE&G  
PHONE: (800) 436-7734  
  
TELEPHONE COMPANY: VERIZON WIRELESS  
PHONE: (800) 922-0204

SHEET TITLE:

TITLE SHEET

|              |                           |                  |
|--------------|---------------------------|------------------|
| DRAWN: YEH   | SHEET NO.:<br><b>CD-1</b> | REV:<br><b>C</b> |
| CHECKED: EB  |                           |                  |
| APPROVED: EB |                           |                  |

#### GENERAL NOTES:

1. ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREIN WAS DETERMINED BY ENGINEER FROM SURFACE EVIDENCE AND PLANS ON RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD BY CONTRACTOR PRIOR TO COMMENCEMENT OF ALL SITE WORK. CONTRACTOR SHALL CALL DIGSAFE A MINIMUM OF 72 HOURS PRIOR TO PLANNED CONSTRUCTION ACTIVITY.
2. ALL WORK SHALL BE COMPLETED BY CONTRACTOR IN ACCORDANCE WITH ALL GUIDELINES AND REGULATIONS OUTLINED IN WORK PERMITS FURNISHED BY ENGINEER.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NESC [LATEST EDITION], AND ALL LOCAL BUILDING CODES AND STANDARDS.
4. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR TO COMPLETE ELECTRICAL SYSTEMS SHOWN ON THESE PLANS AS SPECIFIED HEREIN. THE INTENT OF THESE SPECIFICATIONS AND CONTRACT DRAWINGS IS TO PROVIDE DETAILS OF THE VARIOUS SYSTEMS DESCRIBED HEREIN AND INDICATED ON THESE DRAWINGS. ANY LISTING OR INDICATION OF ITEMS FURNISHED OR WORK TO BE PERFORMED SHALL NOT BE COMPLETE IN ITSELF AND SHALL NOT LIMIT THE GENERAL REQUIREMENTS TO FURNISH AND INSTALL EQUIPMENT, ACCESSORIES, CONTROLS, ETC., TO COMPLETE THE CONTRACT IN A SUBSTANTIAL AND FULLY FUNCTIONAL MANNER.
5. THE CONTRACTOR SHALL VISIT THE SITE WITH PLANS AND SPECIFICATIONS IN HAND AND SHALL BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS UNDER WHICH CONSTRUCTION ACTIVITIES WILL BE PERFORMED. THE CONTRACTOR SHALL CONFIRM PRIOR TO COMMENCING WORK THAT SUCH EXAMINATION HAS BEEN MADE AND DIFFICULTIES, IF ANY, NOTED AND REPORTED TO THE ENGINEER. CLAIMS FOR EXTRA COST OF LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN WILL NOT BE RECOGNIZED.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND/OR ERECTION OF ANY MATERIALS OR EQUIPMENT. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ENGINEER.
7. THE CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS AND SEDIMENT DEPOSITED ON PUBLIC STREETS, SIDEWALKS, ADJACENT AREAS, OR OTHER PUBLIC WAYS DUE TO ANY CONSTRUCTION ACTIVITY IN A TIMELY MANNER.
8. CONTRACTOR SHALL INCORPORATE PROVISIONS (AS NECESSARY) IN CONSTRUCTION TO PROTECT EXISTING STRUCTURES, PHYSICAL FEATURES, AND MAINTAIN SITE STABILITY DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE ALL AREAS TO ORIGINAL CONDITION AND AS DIRECTED BY PLANS.
9. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ANY CHANGES AND DEVIATION FROM APPROVED PLANS NOT AUTHORIZED BY THE ENGINEER.
10. DETAILS SHOWN ARE INTENDED TO SHOW END RESULT BASED ON ENGINEERING DESIGN. ANY MODIFICATION TO SUIT FIELD DIMENSIONS AND/OR CONDITIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY WORK.
11. BEFORE THE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND MATERIALS, REPAIR OR REPLACE PRIVATE OR PUBLIC PROPERTY WHICH MAY HAVE BEEN DAMAGED OR DESTROYED DURING CONSTRUCTION, CLEAN ALL AREAS WITHIN AND ADJACENT TO THE PROJECT WHICH HAD BEEN OBSTRUCTED BY HIS/HER OPERATIONS, AND LEAVE THE PROJECT SITE NEAT AND ACCEPTABLE TO THE ENGINEER.
12. ASSESSMENTS OF ENVIRONMENTAL IMPACTS DETERMINED BY ANY AUTHORITY HAVING JURISDICTION (A.H.J.) WILL BE PERFORMED BY OTHERS.
13. UNLESS OTHERWISE SPECIFIED, COORDINATE AND ELEVATION INFORMATION ARE TAKEN FROM GOOGLE EARTH AND NO SURVEY HAS BEEN COMPLETED.

#### MATERIAL NOTES:

1. ALL EQUIPMENT, RACEWAYS, CABLES, AND CONDUCTORS SHALL BE PROPERLY ANCHORED TO THE UTILITY POLE OR LIGHTING FIXTURE PER NESC REQUIREMENTS AND LOCAL UTILITY SPECIFICATIONS.
2. ALL GROUNDING SHALL BE IN ACCORDANCE WITH NESC REQUIREMENTS AND LOCAL UTILITY SPECIFICATIONS. GROUND CONDUCTORS SHALL NOT BE SMALLER THAN #6 AWG COPPER, UNLESS OTHERWISE SPECIFIED.
3. BOLT HOLES SHALL BE PUNCHED OR DRILLED. FLAME CUT HOLES ARE NOT ACCEPTABLE.
4. INSTALL ALL EQUIPMENT AND DEVICES PLUMB AND LEVEL, ACCURATELY FITTED, AND FREE FROM DISTORTIONS AND/OR DEFECTS.
5. NOTIFY THE ENGINEER PRIOR TO FIELD CUTTING OR MODIFYING APPROVED EQUIPMENT.
6. ALL BOLTS, ANCHORS, AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 - ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE.
7. ALL ELECTRICAL EQUIPMENT SHALL BE HOUSED IN NEMA 3R ENCLOSURES.
8. WHEN APPLICABLE, ALL PROPOSED NEW WOOD UTILITY POLES SHALL BE CONSTRUCTION GRADE C OR BETTER.
9. WHEN APPLICABLE, ALL PROPOSED NEW WOOD UTILITY POLES SHALL BE CLASS 2, UNLESS OTHERWISE SPECIFIED.

CONSTRUCTION DRAWING  
PREPARED FOR:

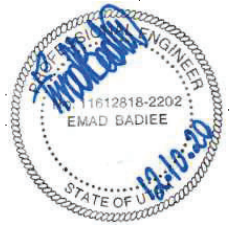
SQF, LLC

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STAMP



#### REVISION HISTORY:

| REV | DATE     | ISSUED FOR           | DRAFTER |
|-----|----------|----------------------|---------|
| △   | 08/11/20 | ISSUED FOR PERMIT    | YEH     |
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|     |          |                      |         |

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SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_06

1869 7000 S  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

#### SHEET TITLE:

GENERAL NOTES

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-2</b> | <b>C</b> |
| APPROVED: EB |             |          |

# CONTRACTOR NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING FEATURES (TO REMAIN) AND TO REPAIR OR RESTORE ANY THAT ARE DAMAGED, DESTROYED OR ALTERED AS A RESULT OF THE SCOPE OF WORK.
2. ALL SIDEWALK AND PAVEMENT SURFACES ALTERED DURING CONSTRUCTION TO BE REPAIRED PER THE LOCAL JURISDICTION'S REQUIREMENT AND THE DEPARTMENT OF TRANSPORTATION.
3. BEFORE COMMENCING ANY EXCAVATIONS, CONTRACTOR TO NOTIFY EACH UTILITY OWNER HAVING UNDERGROUND UTILITIES LOCATED IN THE PROJECT LIMITS NOT LESS THAN TWO OR MORE THAN 10 WORKING DAYS PRIOR TO STARTING. CALL 8-1-1 NOT LESS THAN 2 BUSINESS DAYS BEFORE WORK COMMENCES.
4. GENERAL CONTRACTOR AND CONSTRUCTION MANAGER ARE TO POT HOLE IN ORDER TO LOCATE ALL EXISTING UTILITIES AND THEIR DEPTHS PRIOR TO BORING OR OPEN TRENCHING.
5. IN EXCAVATING TRENCHES AND INSTALLING CONDUIT, WHERE ANY EXISTING UTILITIES CROSS THE TRENCH, THEY SHALL BE PROTECTED, SUPPORTED AND MAINTAINED IN SERVICE AND RESTORED TO THE CONDITION IN WHICH THEY WERE FOUND.
6. BURIED POWER CONDUIT TO BE PLACED A MINIMUM OF 3'-0" BELOW GRADE. BURIED CONDUIT TO MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 2' TO ANY EXISTING UNDERGROUND UTILITIES, AND 1' VERTICAL CLEARANCES FOR ANY CROSSINGS.
7. PROPOSED BURIED CONDUIT TO BE A MINIMUM OF SCH. 40 PVC.
8. ALL PROPOSED EQUIPMENT AND CABINETS SHALL NOT INFRINGE UPON ADA ACCESSIBILITY GUIDELINES.
9. PROPOSED CONSTRUCTION OF WI-FI FACILITY AND UNDERGROUND TRENCHING IS NOT TO IMPEDE ON PEDESTRIAN ACCESS.

## NOTES:

THE PROPOSED SMALL CELL NODE WILL BE LOCATED A MINIMUM OF:

- 8 FEET FROM ANY MANHOLE LID
- 5 FEET FROM ANY SEWER RUNNING LINE
- 3 FEET FROM ANY UNDERGROUND GAS LINE
- 3 FEET FROM ANY STORM DRAIN
- 3 FEET FROM ANY UNDERGROUND WATER MAIN
- 2 FEET FROM ANY UNDERGROUND POWER LINE
- 2 FEET FROM ANY FIRE HYDRANT

## LEGEND

|                  |         |                        |        |
|------------------|---------|------------------------|--------|
| WATER            | — W —   | ROW                    | — RW — |
| EDGE OF PAVEMENT | — EOP — | WASTE WATER            | — WW — |
| CENTER LINE      | — C/L — | OVERHEAD ELECTRIC      | — OE — |
| PROPERTY LINE    | — P/L — | UNDERGROUND ELECTRIC   | — UE — |
| FENCE            | — F —   | EXISTING BUILDING      | — EB — |
| UTILITY POLE     | ⊙       | ELECTRICAL MANHOLE     | ⊙      |
| INTEGRATED POLE  | ⊙       | CUSTOMER SERVICE POINT | ⊙      |
| LIGHT POLE       | ⊙       |                        |        |
| TRAFFIC SIGNAL   | ⊙       |                        |        |
| CATCH BASIN      | ⊙       |                        |        |
| HYDRANT          | ⊙       |                        |        |
| WATER UTILITY    | ⊙       |                        |        |

CONSTRUCTION DRAWING  
PREPARED FOR:

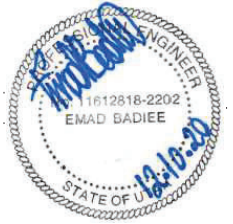
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SALT LAKE COUNTY

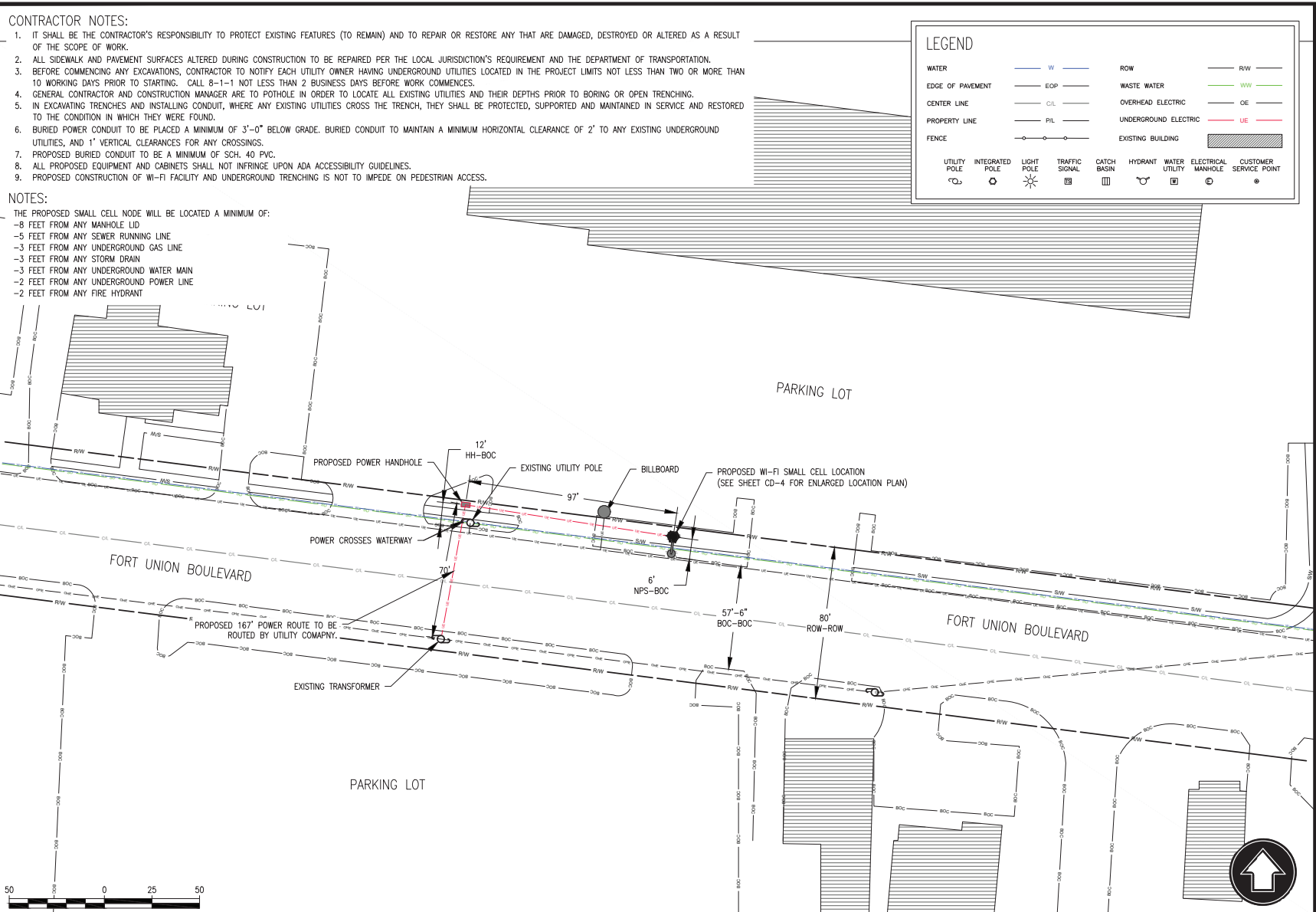
## SHEET TITLE:

**PROPOSED NODE  
LOCATION PLAN**

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-3</b> | <b>C</b> |
| APPROVED: EB |             |          |

NOTE: POWER ROUTE IS PRELIMINARY IN NATURE AND IS SUBJECT TO CHANGE

PROPOSED NODE LOCATION PLAN  
1:50

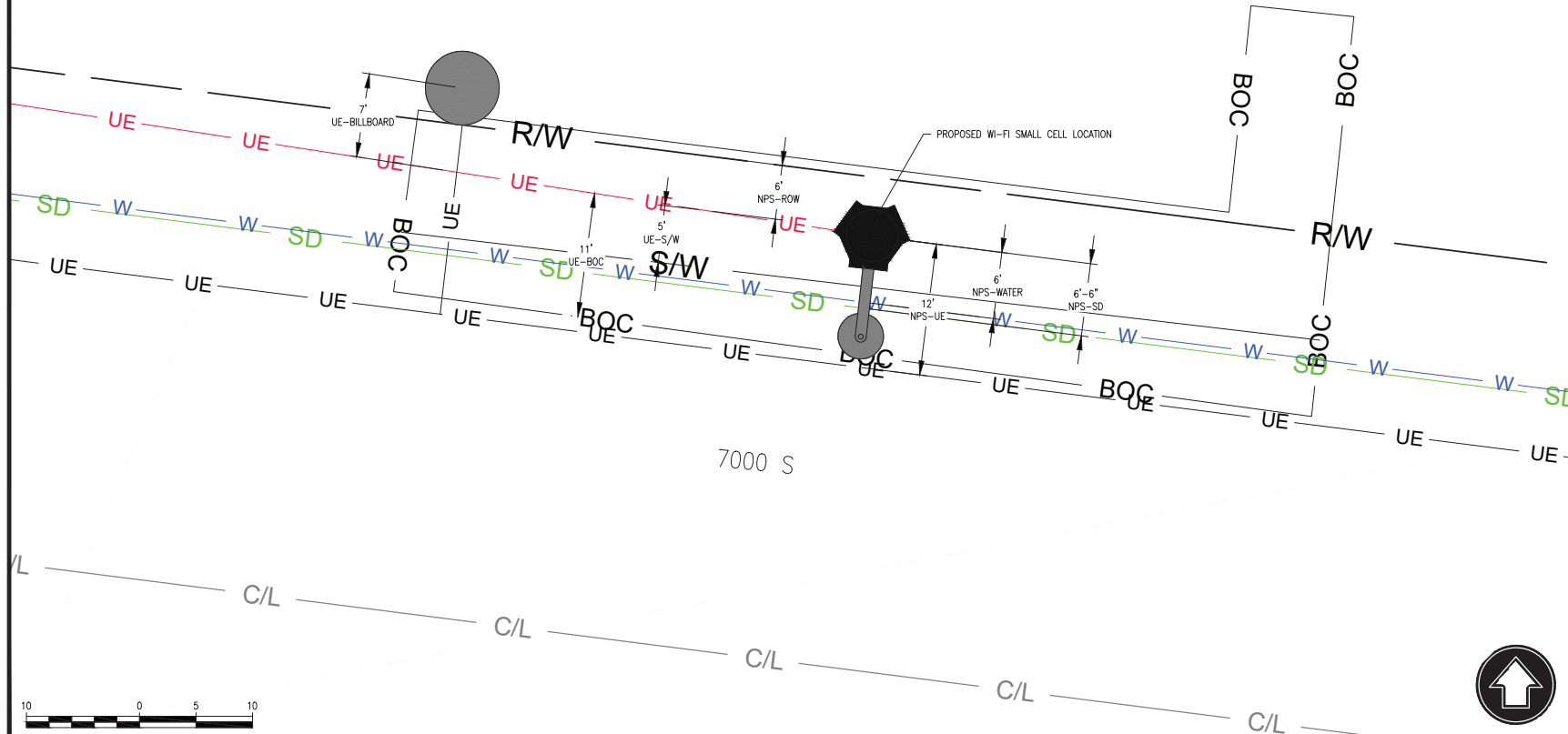


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5. IN EXCAVATING TRENCHES AND INSTALLING CONDUIT, WHERE ANY EXISTING UTILITIES CROSS THE TRENCH, THEY SHALL BE PROTECTED, SUPPORTED AND MAINTAINED IN SERVICE AND RESTORED TO THE CONDITION IN WHICH THEY WERE FOUND.
6. BURIED POWER CONDUIT TO BE PLACED A MINIMUM OF 3'-0" BELOW GRADE. BURIED CONDUIT TO MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 2' TO ANY EXISTING UNDERGROUND UTILITIES, AND 1' VERTICAL CLEARANCES FOR ANY CROSSINGS.
7. PROPOSED BURIED CONDUIT TO BE A MINIMUM OF SCH. 40 PVC.
8. ALL PROPOSED EQUIPMENT AND CABINETS SHALL NOT INFRINGE UPON ADA ACCESSIBILITY GUIDELINES.
9. PROPOSED CONSTRUCTION OF WI-FI FACILITY AND UNDERGROUND TRENCHING IS NOT TO IMPEDE ON PEDESTRIAN ACCESS.

## LEGEND

|                        |     |                      |     |
|------------------------|-----|----------------------|-----|
| WATER                  | W   | ROW                  | R/W |
| EDGE OF PAVEMENT       | EOP | WASTE WATER          | WW  |
| CENTER LINE            | C/L | OVERHEAD ELECTRIC    | OE  |
| PROPERTY LINE          | P/L | UNDERGROUND ELECTRIC | UE  |
| FENCE                  |     | EXISTING BUILDING    |     |
| UTILITY POLE           |     |                      |     |
| INTEGRATED POLE        |     |                      |     |
| LIGHT POLE             |     |                      |     |
| TRAFFIC SIGNAL         |     |                      |     |
| CATCH BASIN            |     |                      |     |
| HYDRANT                |     |                      |     |
| WATER UTILITY          |     |                      |     |
| ELECTRICAL MANHOLE     |     |                      |     |
| CUSTOMER SERVICE POINT |     |                      |     |



NOTE: POWER ROUTE IS PRELIMINARY IN NATURE AND IS SUBJECT TO CHANGE

ENLARGED NODE LOCATION PLAN  
1:10

CONSTRUCTION DRAWING  
PREPARED FOR:

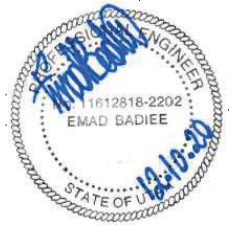
SQF, LLC

CONSTRUCTION DRAWING  
PREPARED BY:

**TILSON**  
On a Mission

16 MIDDLE STREET, 4TH FLOOR,  
PORTLAND, ME 04101  
T: (207) 591-6427  
INFO@TILSONTECH.COM TILSONTECH.COM

STAMP



## REVISION HISTORY:

| REV | DATE     | ISSUED FOR           | DRAFTER |
|-----|----------|----------------------|---------|
| 1   | 08/11/20 | ISSUED FOR PERMIT    | YEH     |
| 2   | 11/10/20 | UPDATED POLE DETAILS | YEH     |
| 3   | 12/10/20 | UPDATED POLE DETAILS | EHG     |
|     |          |                      |         |
|     |          |                      |         |
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|     |          |                      |         |
|     |          |                      |         |

## PROJECT INFORMATION:

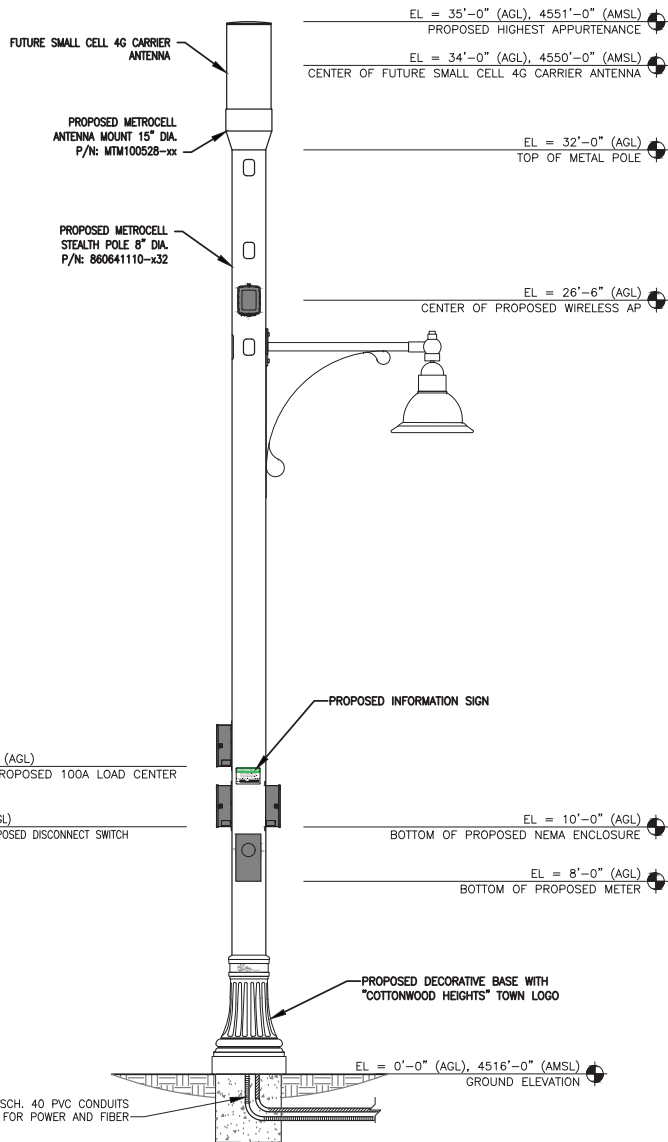
SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_06

1869 7000 S  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

## SHEET TITLE:

ENLARGED NODE  
LOCATION PLAN

|              |                           |                  |
|--------------|---------------------------|------------------|
| DRAWN: YEH   | SHEET NO.:<br><b>CD-4</b> | REV:<br><b>C</b> |
| CHECKED: EB  |                           |                  |
| APPROVED: EB |                           |                  |



PROPOSED ELEVATION W/ FUTURE SMALL CELL EQUIPMENT  
NOT TO SCALE



PHOTO SIMULATION  
NOT TO SCALE

CONSTRUCTION DRAWING  
PREPARED FOR:

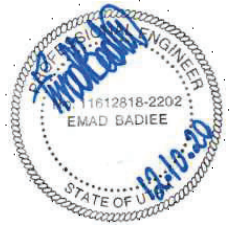
SQF, LLC

CONSTRUCTION DRAWING  
PREPARED BY:

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|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |

PROJECT INFORMATION:

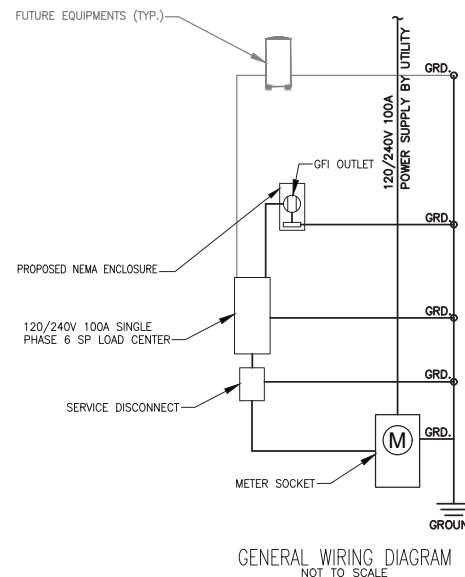
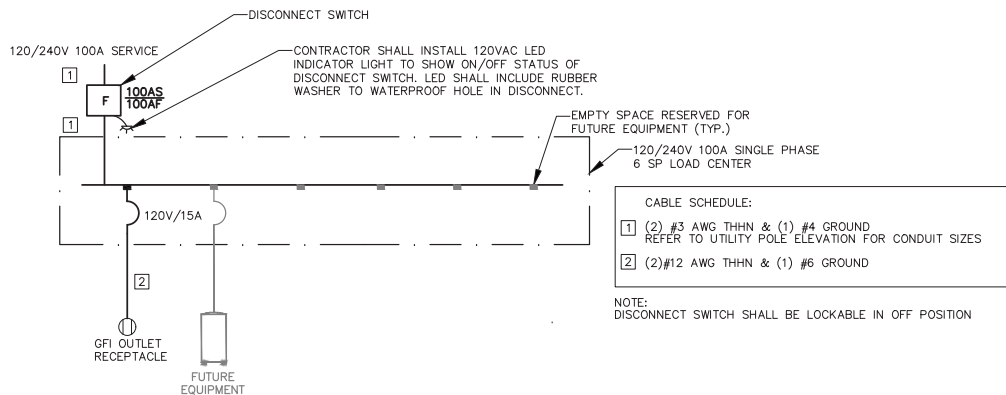
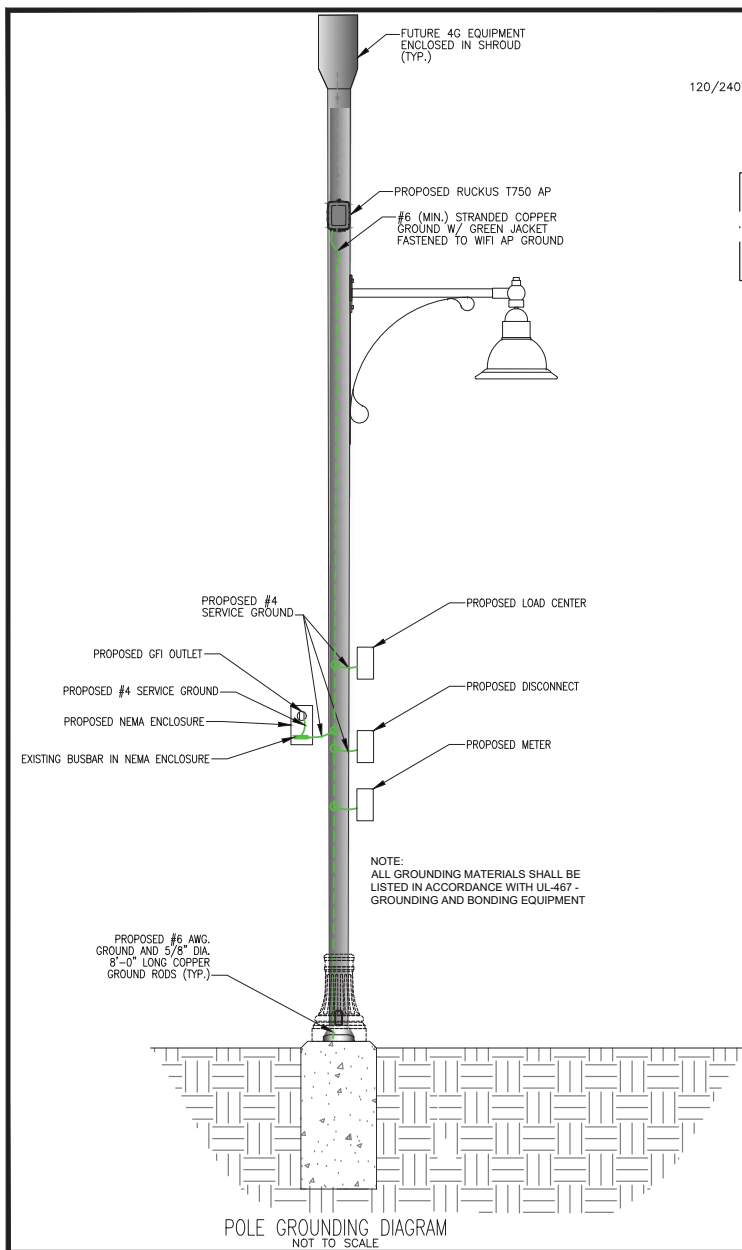
SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_06

1869 7000 S  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

SHEET TITLE:

**POLE ELEVATION,  
ORIENTATIONS, AND  
PHOTO SIMULATION**

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-5</b> | <b>C</b> |
| APPROVED: EB |             |          |



CONSTRUCTION DRAWING  
PREPARED FOR:

**SQF, LLC**

CONSTRUCTION DRAWING  
PREPARED BY:

**TILSON**  
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| 3   | 12/10/20 | UPDATED POLE DETAILS | EHG     |
|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |

PROJECT INFORMATION:

SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_06

1869 7000 S  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

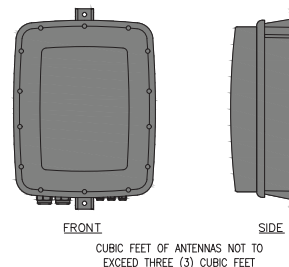
SHEET TITLE:

**POLE GROUNDING  
AND WIRING**

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-6</b> | <b>C</b> |
| APPROVED: EB |             |          |



NOTE: CONTRACTOR SHALL REFER TO LATEST RFDS DOCUMENT ISSUED BY THE CARRIER. IF DISCREPANCIES ARE ENCOUNTERED BETWEEN THESE DRAWINGS AND THE LATEST RFDS, CONTACT THE ENGINEER PRIOR TO INSTALLATION OF EQUIPMENT.



CONSTRUCTION DRAWING  
PREPARED FOR:

SQF, LLC

CONSTRUCTION DRAWING  
PREPARED BY:

**TILSON**  
On a Mission

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|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |

PROJECT INFORMATION:

SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_06

1869 7000 S  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

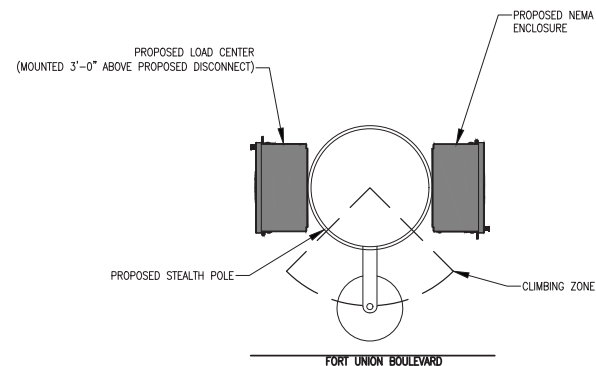
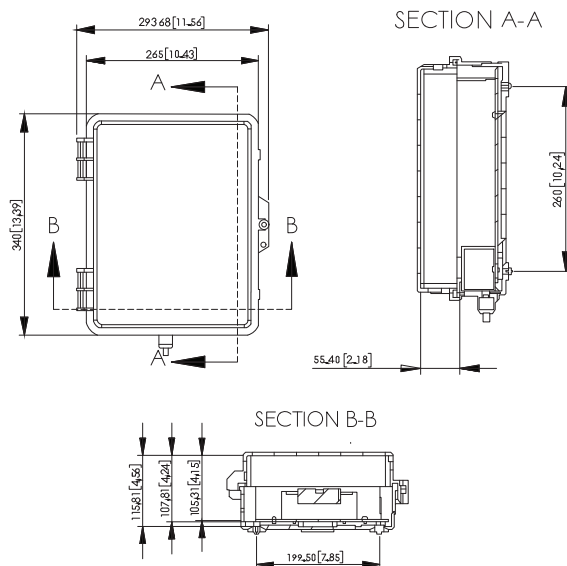
SHEET TITLE:

EQUIPMENT DETAILS

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-7</b> | <b>C</b> |
| APPROVED: EB |             |          |

SIGN DETAILS  
NOT TO SCALE

RUCKUS T750 WIRELESS AP DETAILS  
13.64"(L) X 9.47"(W) X 4"(H), 6.27 LBS  
NOT TO SCALE



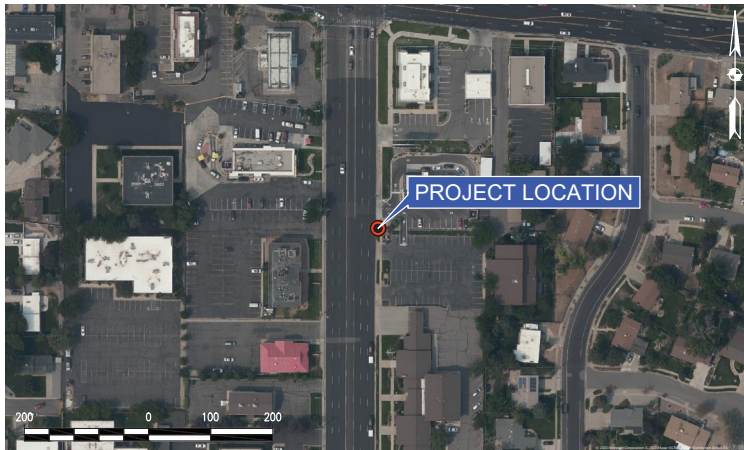
ALTELIX NEMA ENCLOSURE DETAILS  
P/N: NP141105A1C  
NOT TO SCALE

EQUIPMENT ORIENTATION PLAN  
NOT TO SCALE

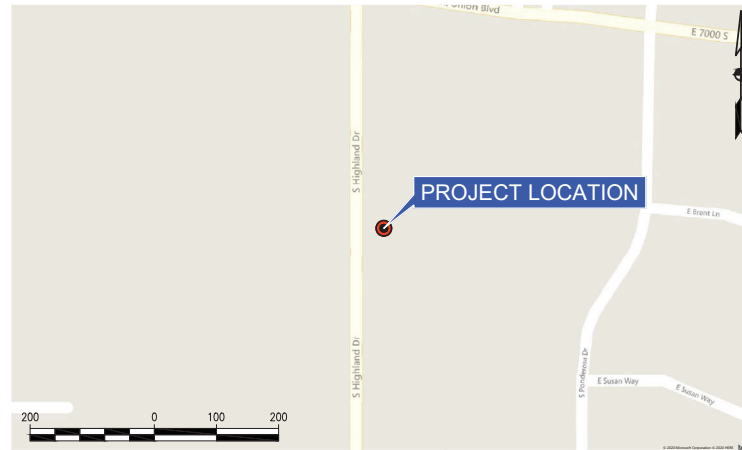
# SQF, LLC

SITE NAME: SQFCH-CON1003\_COTTONWOOD\_UT\_07  
PROPOSED WI-FI SMALL CELL NODE

7069 2000 EAST  
COTTONWOOD HEIGHTS, UT 84121  
SALT LAKE COUNTY  
LAT: 40°37'23.50" (N) / 40.623194°  
LONG: 111°50'02.86" (W) / -111.834127°



SATELLITE IMAGE



STREET MAP

CONSTRUCTION DRAWING  
PREPARED FOR:

SQF, LLC

CONSTRUCTION DRAWING  
PREPARED BY:

**TILSON**  
On a Mission

16 MIDDLE STREET, 4TH FLOOR,  
PORTLAND, ME 04101  
T: (207) 591-6427  
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STAMP



#### REVISION HISTORY:

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|-----|----------|----------------------|---------|
| 1   | 08/11/20 | ISSUED FOR PERMIT    | YEH     |
| 2   | 11/10/20 | UPDATED POLE DETAILS | EHG     |
| 3   | 12/03/20 | UPDATED POLE DETAILS | EHG     |
| 4   | 12/10/20 | UPDATED POLE DETAILS | EHG     |
|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |

#### PROJECT INFORMATION:

SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_07

7069 2000 EAST  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

#### PROJECT SUMMARY

THE PURPOSE OF THIS DOCUMENT IS TO PROVIDE GENERAL INFORMATION IN REGARDS TO LOCATION AND SIZE OF THE PROPOSED WI-FI SMALL CELL EQUIPMENT ARRANGEMENT. THIS DOCUMENT IS ISSUED FOR PERMITTING PURPOSES ONLY, AND SHALL NOT BE USED FOR CONSTRUCTION.

#### PROJECT INFORMATION

|                  |                                                                    |                    |                                                  |
|------------------|--------------------------------------------------------------------|--------------------|--------------------------------------------------|
| SITE NAME:       | SQFCH-CON1003_COTTONWOOD_UT_07                                     | SERVICE TERRITORY: | ELECTRIC - PSE&G<br>TELEPHONE - VERIZON WIRELESS |
| SITE ADDRESS:    | 7069 2000 EAST<br>COTTONWOOD HEIGHTS, UT 84121<br>SALT LAKE COUNTY | APPLICANT:         | SQF, LLC                                         |
| STRUCTURE OWNER: | SQF, LLC                                                           | ROW OWNER:         | MUNICIPAL                                        |
| POLE NUMBER:     | 2,148                                                              | STRUCTURE TYPE:    | PROPOSED METAL POLE                              |

#### LOCAL UTILITY CONTACTS

ELECTRIC UTILITY: PSE&G  
PHONE: (800) 436-7734  
  
TELEPHONE COMPANY: VERIZON WIRELESS  
PHONE: (800) 922-0204

#### SHEET TITLE:

TITLE SHEET

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-1</b> | <b>D</b> |
| APPROVED: EB |             |          |

### GENERAL NOTES:

1. ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREIN WAS DETERMINED BY ENGINEER FROM SURFACE EVIDENCE AND PLANS ON RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD BY CONTRACTOR PRIOR TO COMMENCEMENT OF ALL SITE WORK. CONTRACTOR SHALL CALL DIGSAFE A MINIMUM OF 72 HOURS PRIOR TO PLANNED CONSTRUCTION ACTIVITY.
2. ALL WORK SHALL BE COMPLETED BY CONTRACTOR IN ACCORDANCE WITH ALL GUIDELINES AND REGULATIONS OUTLINED IN WORK PERMITS FURNISHED BY ENGINEER.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NESC [LATEST EDITION], AND ALL LOCAL BUILDING CODES AND STANDARDS.
4. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR TO COMPLETE ELECTRICAL SYSTEMS SHOWN ON THESE PLANS AS SPECIFIED HEREIN. THE INTENT OF THESE SPECIFICATIONS AND CONTRACT DRAWINGS IS TO PROVIDE DETAILS OF THE VARIOUS SYSTEMS DESCRIBED HEREIN AND INDICATED ON THESE DRAWINGS. ANY LISTING OR INDICATION OF ITEMS FURNISHED OR WORK TO BE PERFORMED SHALL NOT BE COMPLETE IN ITSELF AND SHALL NOT LIMIT THE GENERAL REQUIREMENTS TO FURNISH AND INSTALL EQUIPMENT, ACCESSORIES, CONTROLS, ETC., TO COMPLETE THE CONTRACT IN A SUBSTANTIAL AND FULLY FUNCTIONAL MANNER.
5. THE CONTRACTOR SHALL VISIT THE SITE WITH PLANS AND SPECIFICATIONS IN HAND AND SHALL BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS UNDER WHICH CONSTRUCTION ACTIVITIES WILL BE PERFORMED. THE CONTRACTOR SHALL CONFIRM PRIOR TO COMMENCING WORK THAT SUCH EXAMINATION HAS BEEN MADE AND DIFFICULTIES, IF ANY, NOTED AND REPORTED TO THE ENGINEER. CLAIMS FOR EXTRA COST OF LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN WILL NOT BE RECOGNIZED.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND/OR ERECTION OF ANY MATERIALS OR EQUIPMENT. ANY UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ENGINEER.
7. THE CONTRACTOR SHALL CLEAN AND REMOVE DEBRIS AND SEDIMENT DEPOSITED ON PUBLIC STREETS, SIDEWALKS, ADJACENT AREAS, OR OTHER PUBLIC WAYS DUE TO ANY CONSTRUCTION ACTIVITY IN A TIMELY MANNER.
8. CONTRACTOR SHALL INCORPORATE PROVISIONS (AS NECESSARY) IN CONSTRUCTION TO PROTECT EXISTING STRUCTURES, PHYSICAL FEATURES, AND MAINTAIN SITE STABILITY DURING CONSTRUCTION. CONTRACTOR SHALL RESTORE ALL AREAS TO ORIGINAL CONDITION AND AS DIRECTED BY PLANS.
9. THE CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ANY CHANGES AND DEVIATION FROM APPROVED PLANS NOT AUTHORIZED BY THE ENGINEER.
10. DETAILS SHOWN ARE INTENDED TO SHOW END RESULT BASED ON ENGINEERING DESIGN. ANY MODIFICATION TO SUIT FIELD DIMENSIONS AND/OR CONDITIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ANY WORK.
11. BEFORE THE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL REMOVE ALL EQUIPMENT AND MATERIALS, REPAIR OR REPLACE PRIVATE OR PUBLIC PROPERTY WHICH MAY HAVE BEEN DAMAGED OR DESTROYED DURING CONSTRUCTION, CLEAN ALL AREAS WITHIN AND ADJACENT TO THE PROJECT WHICH HAD BEEN OBSTRUCTED BY HIS/HER OPERATIONS, AND LEAVE THE PROJECT SITE NEAT AND ACCEPTABLE TO THE ENGINEER.
12. ASSESSMENTS OF ENVIRONMENTAL IMPACTS DETERMINED BY ANY AUTHORITY HAVING JURISDICTION (A.H.J.) WILL BE PERFORMED BY OTHERS.
13. UNLESS OTHERWISE SPECIFIED, COORDINATE AND ELEVATION INFORMATION ARE TAKEN FROM GOOGLE EARTH AND NO SURVEY HAS BEEN COMPLETED.

### MATERIAL NOTES:

1. ALL EQUIPMENT, RACEWAYS, CABLES, AND CONDUCTORS SHALL BE PROPERLY ANCHORED TO THE UTILITY POLE OR LIGHTING FIXTURE PER NESC REQUIREMENTS AND LOCAL UTILITY SPECIFICATIONS.
2. ALL GROUNDING SHALL BE IN ACCORDANCE WITH NESC REQUIREMENTS AND LOCAL UTILITY SPECIFICATIONS. GROUND CONDUCTORS SHALL NOT BE SMALLER THAN #6 AWG COPPER, UNLESS OTHERWISE SPECIFIED.
3. BOLT HOLES SHALL BE PUNCHED OR DRILLED. FLAME CUT HOLES ARE NOT ACCEPTABLE.
4. INSTALL ALL EQUIPMENT AND DEVICES PLUMB AND LEVEL, ACCURATELY FITTED, AND FREE FROM DISTORTIONS AND/OR DEFECTS.
5. NOTIFY THE ENGINEER PRIOR TO FIELD CUTTING OR MODIFYING APPROVED EQUIPMENT.
6. ALL BOLTS, ANCHORS, AND MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 - ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE.
7. ALL ELECTRICAL EQUIPMENT SHALL BE HOUSED IN NEMA 3R ENCLOSURES.
8. WHEN APPLICABLE, ALL PROPOSED NEW WOOD UTILITY POLES SHALL BE CONSTRUCTION GRADE C OR BETTER.
9. WHEN APPLICABLE, ALL PROPOSED NEW WOOD UTILITY POLES SHALL BE CLASS 2, UNLESS OTHERWISE SPECIFIED.

CONSTRUCTION DRAWING  
PREPARED FOR:

**SQF, LLC**

CONSTRUCTION DRAWING  
PREPARED BY:

**TILSON**  
On a Mission

16 MIDDLE STREET, 4TH FLOOR,  
PORTLAND, ME 04101  
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INFO@TILSONTECH.COM TILSONTECH.COM

STAMP



#### REVISION HISTORY:

| REV | DATE     | ISSUED FOR           | DRAFTER |
|-----|----------|----------------------|---------|
| △   | 08/11/20 | ISSUED FOR PERMIT    | YEH     |
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| △   | 12/03/20 | UPDATED POLE DETAILS | EHG     |
| △   | 12/10/20 | UPDATED POLE DETAILS | EHG     |
|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |

PROJECT INFORMATION:

SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_07

7069 2000 EAST  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

SHEET TITLE:

**GENERAL NOTES**

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-2</b> | <b>D</b> |
| APPROVED: EB |             |          |

# CONTRACTOR NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING FEATURES (TO REMAIN) AND TO REPAIR OR RESTORE ANY THAT ARE DAMAGED, DESTROYED OR ALTERED AS A RESULT OF THE SCOPE OF WORK.
2. ALL SIDEWALK AND PAVEMENT SURFACES ALTERED DURING CONSTRUCTION TO BE REPAIRED PER THE LOCAL JURISDICTION'S REQUIREMENT AND THE DEPARTMENT OF TRANSPORTATION.
3. BEFORE COMMENCING ANY EXCAVATIONS, CONTRACTOR TO NOTIFY EACH UTILITY OWNER HAVING UNDERGROUND UTILITIES LOCATED IN THE PROJECT LIMITS NOT LESS THAN TWO OR MORE THAN 10 WORKING DAYS PRIOR TO STARTING. CALL 8-1-1 NOT LESS THAN 2 BUSINESS DAYS BEFORE WORK COMMENCES.
4. GENERAL CONTRACTOR AND CONSTRUCTION MANAGER ARE TO POTHOLE IN ORDER TO LOCATE ALL EXISTING UTILITIES AND THEIR DEPTHS PRIOR TO BORING OR OPEN TRENCHING.
5. IN EXCAVATING TRENCHES AND INSTALLING CONDUIT, WHERE ANY EXISTING UTILITIES CROSS THE TRENCH, THEY SHALL BE PROTECTED, SUPPORTED AND MAINTAINED IN SERVICE AND RESTORED TO THE CONDITION IN WHICH THEY WERE FOUND.
6. BURIED POWER CONDUIT TO BE PLACED A MINIMUM OF 3'-0" BELOW GRADE. BURIED CONDUIT TO MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 2' TO ANY EXISTING UNDERGROUND UTILITIES, AND 1' VERTICAL CLEARANCES FOR ANY CROSSINGS.
7. PROPOSED BURIED CONDUIT TO BE A MINIMUM OF SCH. 40 PVC.
8. ALL PROPOSED EQUIPMENT AND CABINETS SHALL NOT INFRINGE UPON ADA ACCESSIBILITY GUIDELINES.
9. PROPOSED CONSTRUCTION OF WI-FI FACILITY AND UNDERGROUND TRENCHING IS NOT TO IMPEDE ON PEDESTRIAN ACCESS.

## NOTES:

- THE PROPOSED SMALL CELL NODE WILL BE LOCATED A MINIMUM OF:
- 8 FEET FROM ANY MANHOLE LID
  - 5 FEET FROM ANY SEWER RUNNING LINE
  - 3 FEET FROM ANY UNDERGROUND GAS LINE
  - 3 FEET FROM ANY STORM DRAIN
  - 3 FEET FROM ANY UNDERGROUND WATER MAIN
  - 2 FEET FROM ANY UNDERGROUND POWER LINE
  - 2 FEET FROM ANY FIRE HYDRANT

## LEGEND

|                  |         |                        |        |
|------------------|---------|------------------------|--------|
| WATER            | — W —   | ROW                    | — RW — |
| EDGE OF PAVEMENT | — EOP — | STORM DRAIN            | — SD — |
| CENTER LINE      | — C/L — | OVERHEAD ELECTRIC      | — OE — |
| PROPERTY LINE    | — P/L — | UNDERGROUND ELECTRIC   | — UE — |
| FIBER OPTIC      | — FO —  | EXISTING BUILDING      |        |
| UTILITY POLE     |         | ELECTRICAL MANHOLE     |        |
| INTEGRATED POLE  |         | CUSTOMER SERVICE POINT |        |
| LIGHT POLE       |         |                        |        |
| TRAFFIC SIGNAL   |         |                        |        |
| CATCH BASIN      |         |                        |        |
| HYDRANT          |         |                        |        |
| WATER UTILITY    |         |                        |        |

CONSTRUCTION DRAWING  
PREPARED FOR:

SQF, LLC

CONSTRUCTION DRAWING  
PREPARED BY:

**TILSON**  
On a Mission

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| 4   | 12/10/20 | UPDATED POLE DETAILS | EHG     |
|     |          |                      |         |
|     |          |                      |         |

## PROJECT INFORMATION:

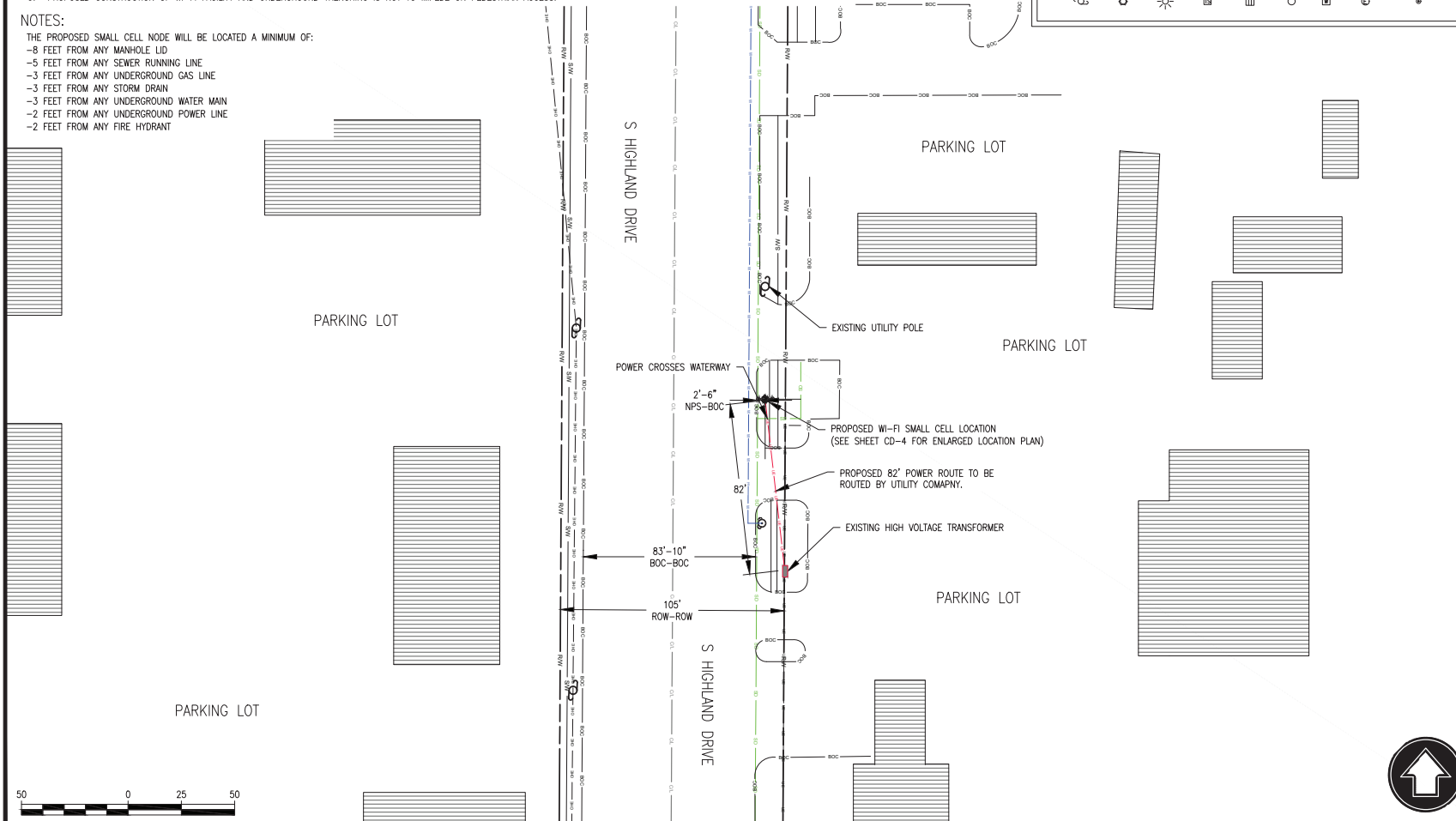
SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_07

7069 2000 EAST  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

## SHEET TITLE:

**PROPOSED NODE  
LOCATION PLAN**

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-3</b> | <b>D</b> |
| APPROVED: EB |             |          |



NOTE: POWER ROUTE IS PRELIMINARY IN NATURE AND IS SUBJECT TO CHANGE

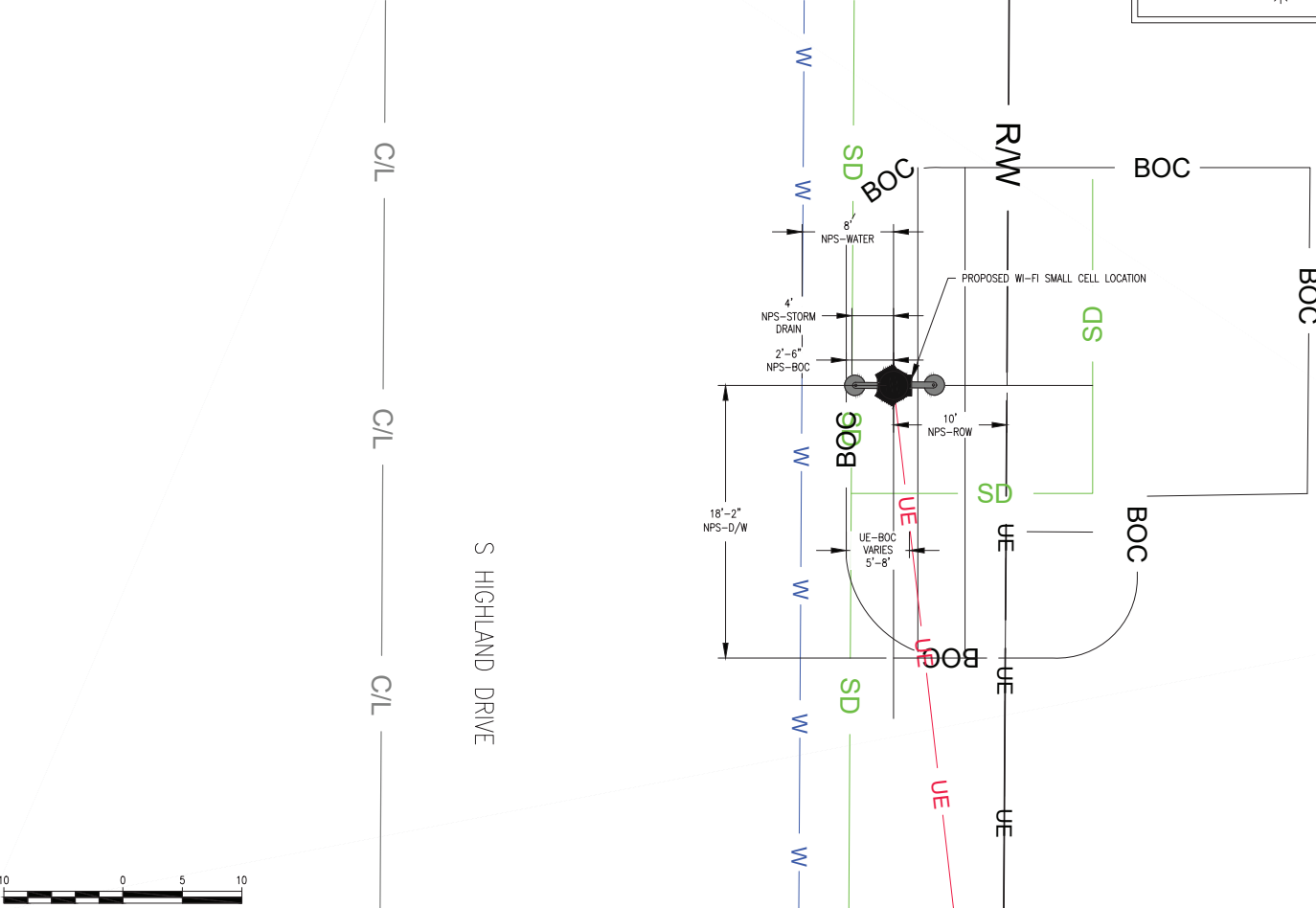
PROPOSED NODE LOCATION PLAN  
1:50

# CONTRACTOR NOTES:

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- ALL SIDEWALK AND PAVEMENT SURFACES ALTERED DURING CONSTRUCTION TO BE REPAIRED PER THE LOCAL JURISDICTION'S REQUIREMENT AND THE DEPARTMENT OF TRANSPORTATION.
- BEFORE COMMENCING ANY EXCAVATIONS, CONTRACTOR TO NOTIFY EACH UTILITY OWNER HAVING UNDERGROUND UTILITIES LOCATED IN THE PROJECT LIMITS NOT LESS THAN TWO OR MORE THAN 10 WORKING DAYS PRIOR TO STARTING. CALL 8-1-1 NOT LESS THAN 2 BUSINESS DAYS BEFORE WORK COMMENCES.
- GENERAL CONTRACTOR AND CONSTRUCTION MANAGER ARE TO POT HOLE IN ORDER TO LOCATE ALL EXISTING UTILITIES AND THEIR DEPTHS PRIOR TO BORING OR OPEN TRENCHING.
- IN EXCAVATING TRENCHES AND INSTALLING CONDUIT, WHERE ANY EXISTING UTILITIES CROSS THE TRENCH, THEY SHALL BE PROTECTED, SUPPORTED AND MAINTAINED IN SERVICE AND RESTORED TO THE CONDITION IN WHICH THEY WERE FOUND.
- BURIED POWER CONDUIT TO BE PLACED A MINIMUM OF 3'-0" BELOW GRADE. BURIED CONDUIT TO MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 2' TO ANY EXISTING UNDERGROUND UTILITIES, AND 1' VERTICAL CLEARANCES FOR ANY CROSSINGS.
- PROPOSED BURIED CONDUIT TO BE A MINIMUM OF SCH. 40 PVC.
- ALL PROPOSED EQUIPMENT AND CABINETS SHALL NOT INFRINGE UPON ADA ACCESSIBILITY GUIDELINES.
- PROPOSED CONSTRUCTION OF WI-FI FACILITY AND UNDERGROUND TRENCHING IS NOT TO IMPEDE ON PEDESTRIAN ACCESS.

## LEGEND

|                        |     |                      |     |
|------------------------|-----|----------------------|-----|
| WATER                  | W   | ROW                  | R/W |
| EDGE OF PAVEMENT       | EOP | STORM DRAIN          | SD  |
| CENTER LINE            | C/L | OVERHEAD ELECTRIC    | OE  |
| PROPERTY LINE          | P/L | UNDERGROUND ELECTRIC | UE  |
| FIBER OPTIC            | FO  | EXISTING BUILDING    |     |
| UTILITY POLE           |     |                      |     |
| INTEGRATED POLE        |     |                      |     |
| LIGHT POLE             |     |                      |     |
| TRAFFIC SIGNAL         |     |                      |     |
| CATCH BASIN            |     |                      |     |
| HYDRANT                |     |                      |     |
| WATER UTILITY          |     |                      |     |
| ELECTRICAL MANHOLE     |     |                      |     |
| CUSTOMER SERVICE POINT |     |                      |     |



NOTE: POWER ROUTE IS PRELIMINARY IN NATURE AND IS SUBJECT TO CHANGE

ENLARGED NODE LOCATION PLAN  
1:10

CONSTRUCTION DRAWING  
PREPARED FOR:

SQF, LLC

CONSTRUCTION DRAWING  
PREPARED BY:

**TILSON**  
On a Mission

16 MIDDLE STREET, 4TH FLOOR,  
PORTLAND, ME 04101  
T: (207) 591-6427  
INFO@TILSONTECH.COM TILSONTECH.COM

STAMP



## REVISION HISTORY:

| REV | DATE     | ISSUED FOR           | DRAFTER |
|-----|----------|----------------------|---------|
| 1   | 08/11/20 | ISSUED FOR PERMIT    | YEH     |
| 2   | 11/10/20 | UPDATED POLE DETAILS | EHG     |
| 3   | 12/03/20 | UPDATED POLE DETAILS | EHG     |
| 4   | 12/10/20 | UPDATED POLE DETAILS | EHG     |
|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |

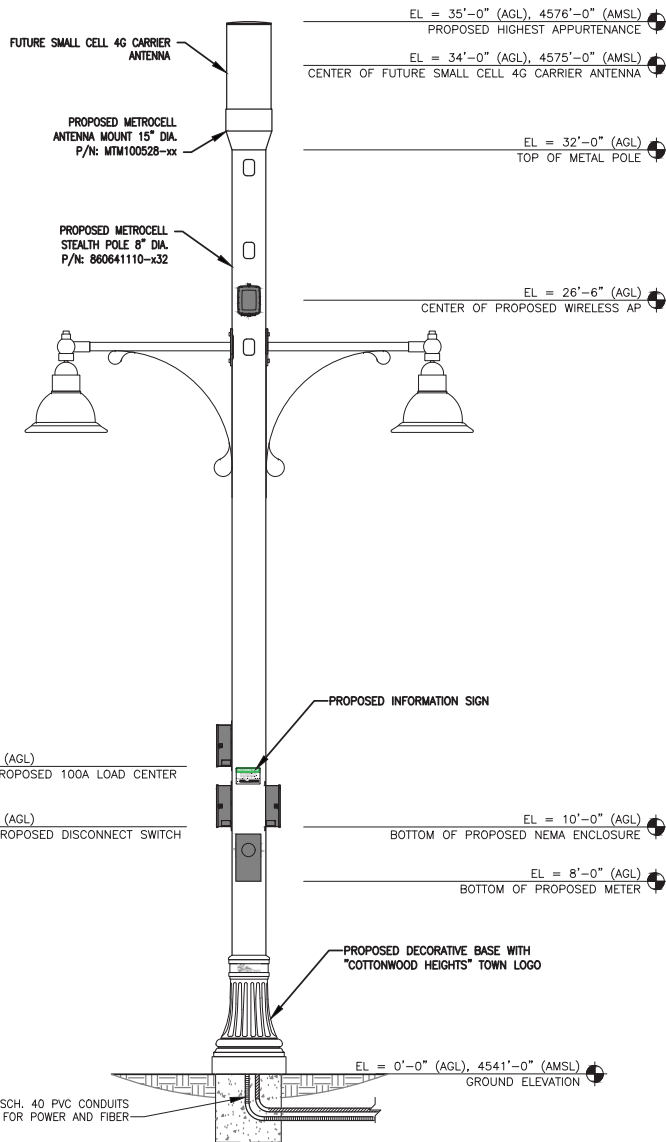
PROJECT INFORMATION:

SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_07  
  
7069 2000 EAST  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

SHEET TITLE:

ENLARGED NODE  
LOCATION PLAN

|              |                           |                  |
|--------------|---------------------------|------------------|
| DRAWN: YEH   | SHEET NO.:<br><b>CD-4</b> | REV:<br><b>D</b> |
| CHECKED: EB  |                           |                  |
| APPROVED: EB |                           |                  |



PROPOSED ELEVATION W/ FUTURE SMALL CELL EQUIPMENT  
NOT TO SCALE



PHOTO SIMULATION  
NOT TO SCALE

CONSTRUCTION DRAWING  
PREPARED FOR:

SQF, LLC

CONSTRUCTION DRAWING  
PREPARED BY:

**TILSON**  
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|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |

PROJECT INFORMATION:

SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_07

7069 2000 EAST  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

SHEET TITLE:

**POLE ELEVATION,  
ORIENTATIONS, AND  
PHOTO SIMULATION**

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-5</b> | <b>D</b> |
| APPROVED: EB |             |          |

CONSTRUCTION DRAWING  
PREPARED FOR:

SQF, LLC

CONSTRUCTION DRAWING  
PREPARED BY:

**TILSON**  
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| 4   | 12/10/20 | UPDATED POLE DETAILS | EHG     |
|     |          |                      |         |
|     |          |                      |         |
|     |          |                      |         |

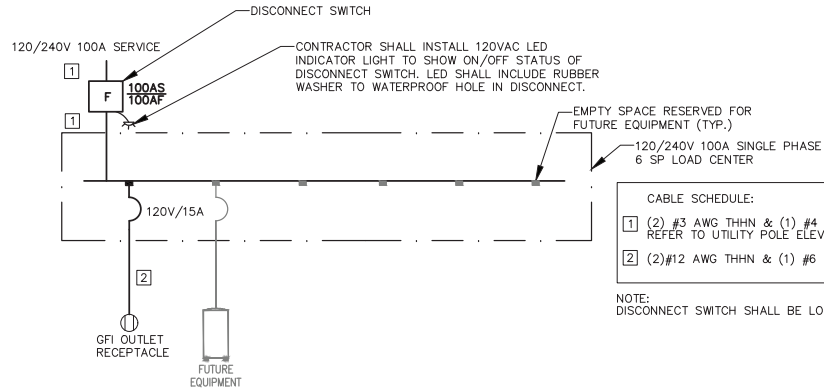
PROJECT INFORMATION:

SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_07  
  
7069 2000 EAST  
COTTONWOOD HEIGHTS, UT  
84121  
SALT LAKE COUNTY

SHEET TITLE:

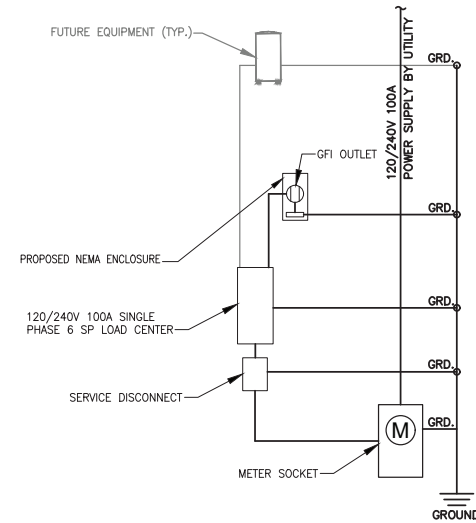
**POLE GROUNDING  
AND WIRING**

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-6</b> | <b>D</b> |
| APPROVED: EB |             |          |

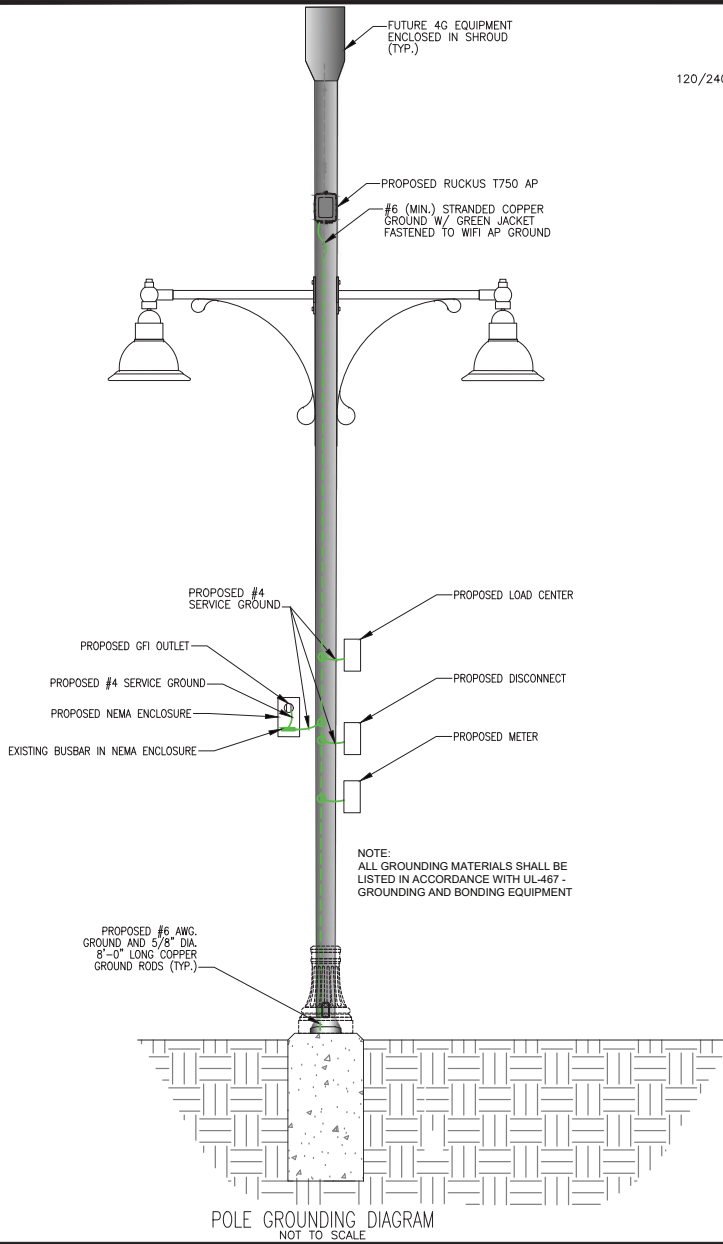


CABLE SCHEDULE:  
1 (2) #3 AWG THHN & (1) #4 GROUND  
REFER TO UTILITY POLE ELEVATION FOR CONDUIT SIZES  
2 (2) #12 AWG THHN & (1) #6 GROUND  
  
NOTE:  
DISCONNECT SWITCH SHALL BE LOCKABLE IN OFF POSITION

ONE LINE DIAGRAM  
NOT TO SCALE



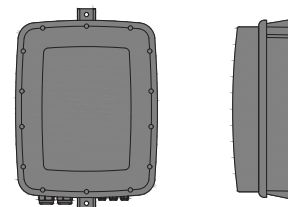
GENERAL WIRING DIAGRAM  
NOT TO SCALE



POLE GROUNDING DIAGRAM  
NOT TO SCALE



NOTE: CONTRACTOR SHALL REFER TO LATEST RFDS DOCUMENT ISSUED BY THE CARRIER. IF DISCREPANCIES ARE ENCOUNTERED BETWEEN THESE DRAWINGS AND THE LATEST RFDS, CONTACT THE ENGINEER PRIOR TO INSTALLATION OF EQUIPMENT.



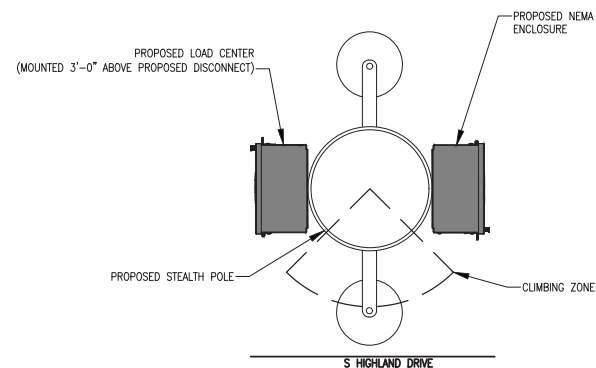
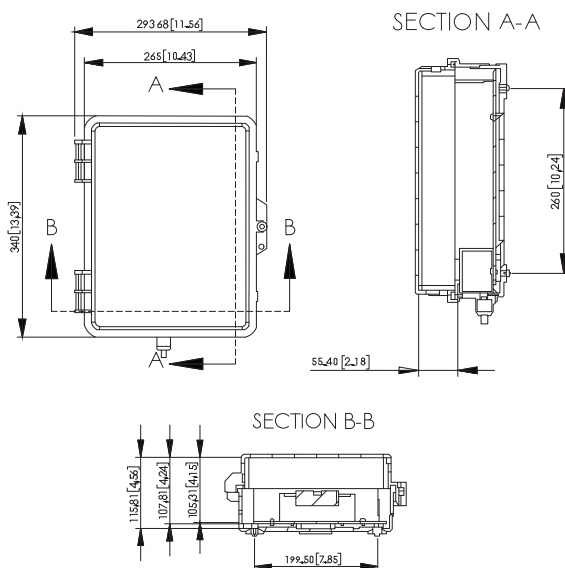
FRONT

SIDE

CUBIC FEET OF ANTENNAS NOT TO EXCEED THREE (3) CUBIC FEET

SIGN DETAILS  
NOT TO SCALE

RUCKUS T750 WIRELESS AP DETAILS  
13.64"(L) X 9.47"(W) X 4"(H), 6.27 LBS  
NOT TO SCALE



ALTELIX NEMA ENCLOSURE DETAILS  
P/N: NP141105A1C  
NOT TO SCALE

EQUIPMENT ORIENTATION PLAN  
NOT TO SCALE

CONSTRUCTION DRAWING  
PREPARED FOR:

SQF, LLC

CONSTRUCTION DRAWING  
PREPARED BY:

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SITE NAME:  
SQFCH-CON1003\_COTTONWOOD\_UT\_07  
  
7069 2000 EAST  
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84121  
SALT LAKE COUNTY

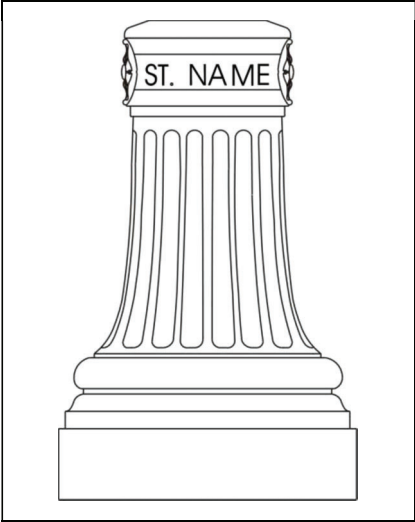
SHEET TITLE:

EQUIPMENT DETAILS

|              |             |          |
|--------------|-------------|----------|
| DRAWN: YEH   | SHEET NO.:  | REV:     |
| CHECKED: EB  | <b>CD-7</b> | <b>D</b> |
| APPROVED: EB |             |          |

**24" Madison**

This base is similar to the shape of the 17" Madison, but is designed for larger poles.



| Base Specs       |              |
|------------------|--------------|
| Height           | 40"          |
| Base Bottom Dia. | 24"          |
| Max. Pole OD     | 11"          |
| Max. Bolt Circle | 18"          |
| Artwork Size     | 5.5"h x 23"w |
| Shipping Weight  |              |



## ARCHITECTURAL REVIEW COMMISSION STAFF REPORT

2 New Small Cell Facilities – SQF, LLC

Meeting Date: November 19, 2020

Staff Contact: Andy Hulka, Senior Planner

([ahulka@ch.utah.gov](mailto:ahulka@ch.utah.gov), 801-944-7065)

---

### Summary

**Project Number:**

WT-20-001

**Subject Property:**

1. 1869 E. Fort Union Blvd.
2. 7069 S. Highland Dr.

**Action Requested:**

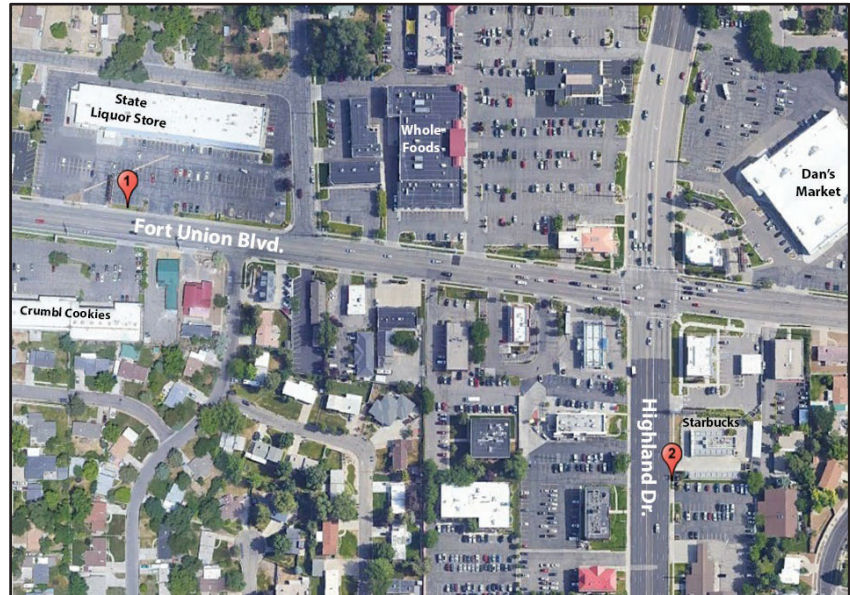
Certificate of Design  
Compliance – Construction  
of 2 New Small Cell Facilities

**Applicant:**

SQF, LLC

**Recommendation:**

Approve, with conditions



*Aerial View*

---

### Analysis

#### Request

SQF, LLC is a telecommunications provider requesting a Certificate of Design Compliance for two new small cell wireless facilities in the public right-of-way. The proposed facilities are 35-foot steel integrated poles designed to support multiple wireless carriers to provide 4G and 5G cell service to a small coverage area (approximately 1,000 ft radius). This request comes as part of a larger application from SQF to construct multiple small cell facilities throughout the city, but these two locations in the Gateway Overlay District require review and approval by the ARC. All small cell facilities will need a building permit and right-of-way permit approved by the City prior to construction.

1. 1869 E. Fort Union Blvd. (CW 06)

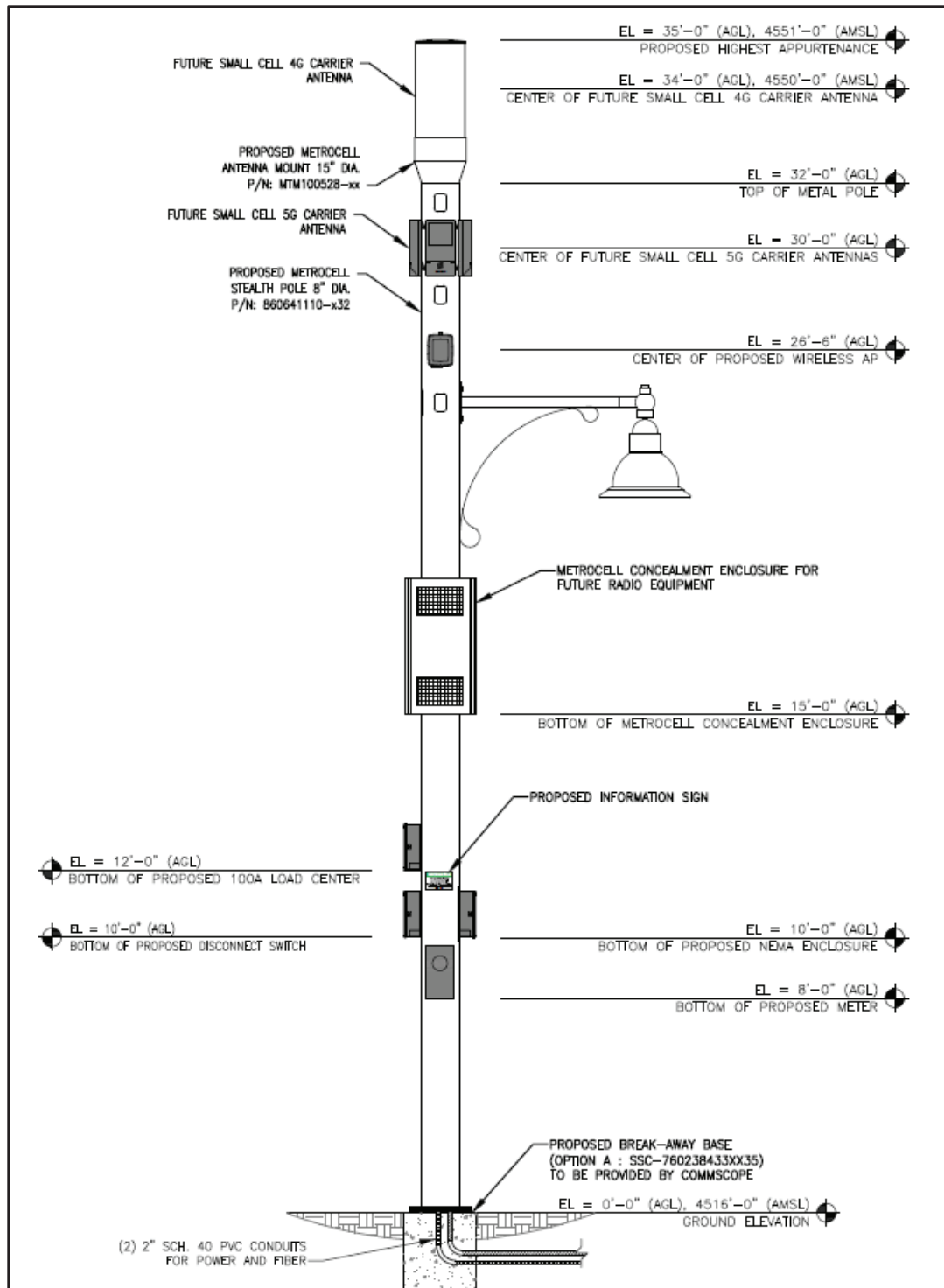


*Small Cell Facility – Proposed Location*



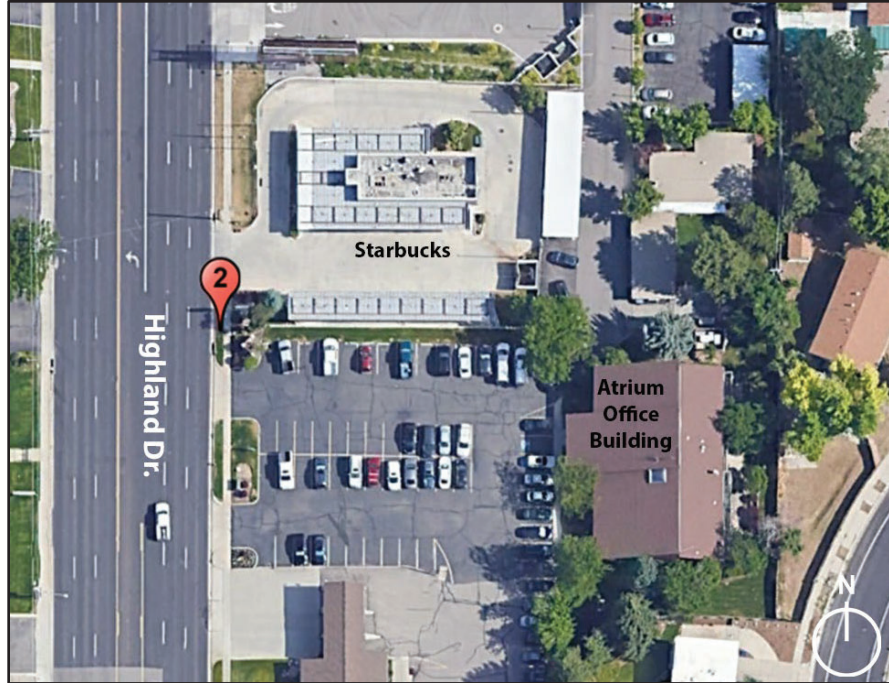
*Photo Simulation (not to scale – 35' to highest point)*

November 19, 2020

*Proposed Elevation*

The small cell facility proposed at 1869 E. Fort Union Blvd. has been designed as a stealth streetlight pole, with a teardrop style light fixture to match the City's standard arterial streetlight specifications. The light fixture must meet all applicable regulations of the City's subdivision ordinance.

2. 7069 S. Highland Dr. (CW 07)

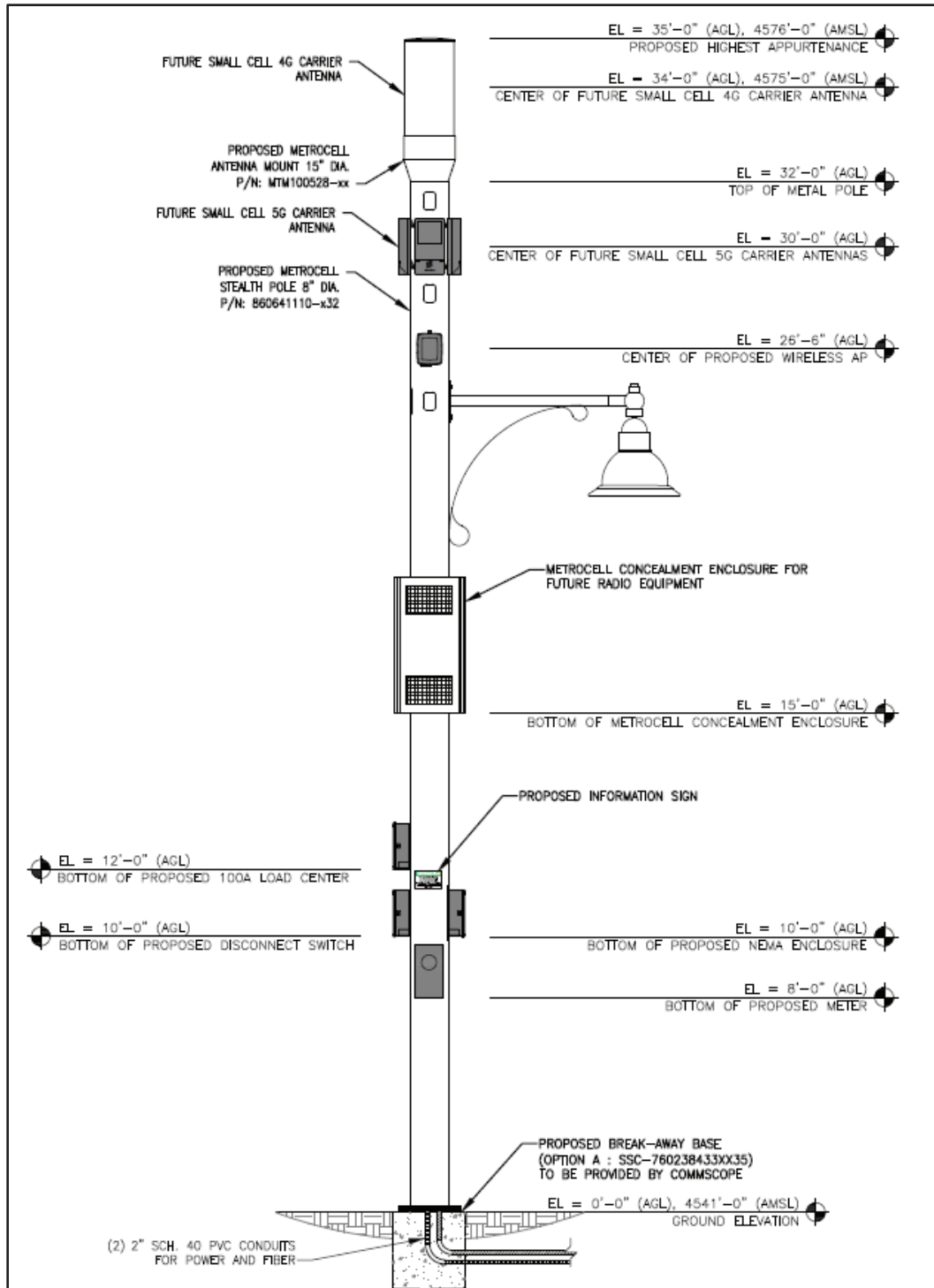


*Small Cell Facility – Proposed Location*



*Photo Simulation (not to scale – 35' to highest point)*

November 19, 2020



Proposed Elevation

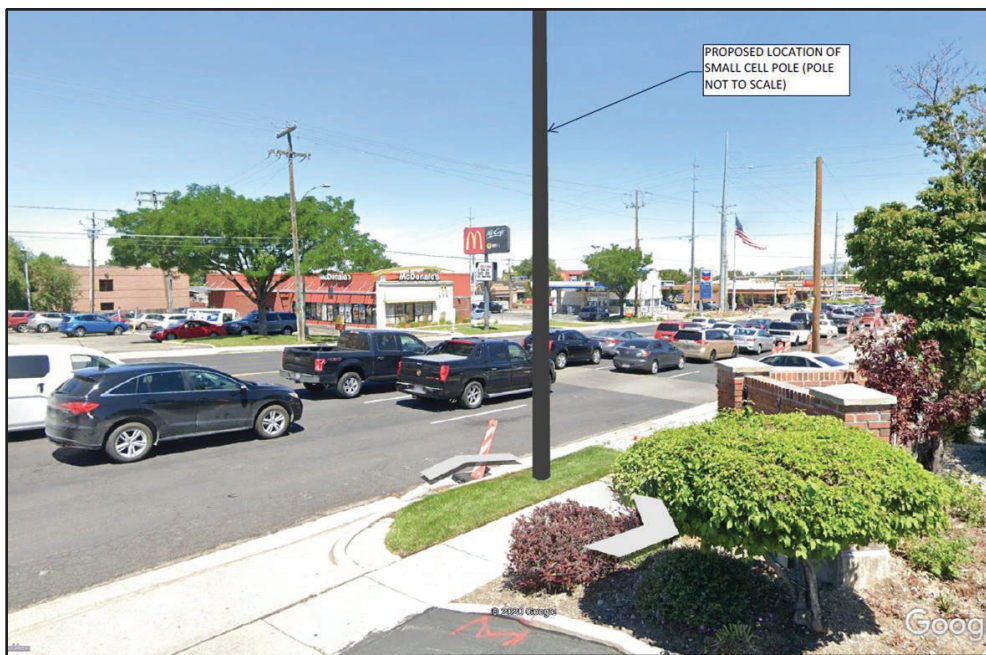
The small cell facility proposed at 7069 S. Highland Dr. has also been designed as a stealth streetlight pole, with a teardrop style light fixture to match the City's standard arterial streetlight specifications. This light fixture will also need to meet all applicable regulations of the City's subdivision ordinance.

November 19, 2020

The applicant submitted the following response regarding the line of sight for vehicles turning onto Highland Dr: "Regarding potential interference with the sight line or clear zone from the driveways to the north and south, the proposed 8-inch diameter small cell pole will only be a narrow obstruction and should not materially interfere with the sight line or clear zone. As illustrated in the plans, pole mounted equipment will be located a minimum of 8 feet above ground level, above the clear zone. Additionally, when compared to the existing utility pole next to the driveway to the north, the narrow small cell pole will be located further from the driveway and have less impact than the existing utility pole. As shown in the simulated views below, the proposed small cell pole will not materially interfere with sight lines or clear zone for transportation or pedestrians."



*View looking north along Highland Dr.*



*View from driveway at 7029 S. Highland Dr. (Atrium Office Building) looking northwest*

## Zoning Ordinance & Applicable Design Guidelines

Small cell wireless facilities are regulated by chapter 14.28 of the City's Highways, Sidewalks and Public Places ordinance (Title 14):

- **14.28.040 Master license agreement required.**

*A. Any wireless provider desiring to install, repair, maintain, remove and replace wireless facilities in the public way shall first enter into a master license agreement with the city, except to the extent exempted by federal or state law.*

Staff Analysis: SQF was granted a master license agreement for wireless facilities in the public way on January 21<sup>st</sup>, 2020.

- **14.28.080 Other requirements.**

*A. Placement. Wireless facilities and new structures must be placed in locations that will not: (1) obstruct or hinder the usual travel or public safety on the public way; (2) create a public health or safety hazard, (3) obstruct, damage, or interfere with another utility facility in the public way, or the use of such other utility facilities, (4) materially interfere with the safe operation of traffic control equipment, (5) materially interfere with a sight line or a clear zone for transportation or pedestrians, (6) violate the ADA, or (7) violate any applicable laws or legal obligations.*

Staff Analysis: The proposed pole locations will not create any hazards or interfere with existing facilities or clear view areas.

- **14.28.080 Other requirements.**

*B. Design requirements. The design and location of the wireless facility and utility pole or support structure shall comply with all design standards adopted by the city and be architecturally integrated with existing buildings, structures and landscaping, including considerations of height, color, style, placement, design and shape. Exposed cabling will not be permitted. New and replacement structures must be of monopole design; lattice structures will not be permitted. Wooden structures will not be permitted.*

Staff Analysis: The proposed facilities have been designed as stealth streetlight poles and comply with the design requirements of the code.

- **14.28.080 Other requirements.**

**D. Height.**

*1. The height of a structure with an attached wireless facility, including the wireless facility, shall be the minimum height needed for the operation of the wireless facility.*

*2. In no event shall the maximum height of a new or modified utility pole with an attached wireless facility, including the wireless facility, exceed 50 feet above the public way; provided that the antenna of a wireless facility may not extend more than ten feet above the top of a utility pole existing on or before 1 September 2018.*

*3. Where wireless facility equipment is permitted on the outside of a utility pole, it shall be placed higher than eight feet above the public way and shall not protrude more than two feet from the pole, unless otherwise permitted by city.*

Staff Analysis: The application indicates that the proposed height of 35' is the minimum height

needed for the operation of the facility. The proposed poles comply with the height requirements of the code.

- **14.28.080 Other requirements.**

**G. Historic districts and design districts.** *In order to maintain the character of a historic district (including the area surrounding a designated historic structure) and/or design district (such as the city's Gateway Overlay District) as contemplated by Title 19 of this code, all wireless facilities and new structures in such district must employ screening, concealment, camouflage, or other stealth techniques to minimize visual impacts, and comply with all requirements and obtain all approvals as required by Title 19 of this code and as permitted by UTAH CODE ANN. 54-21-208, or its successor.*

- **Relevant Design Guidelines**

- *A site must be designed with the pedestrian in mind, creating a safe, friendly, and usable human-scale environment. (p. 21, #7)*
    - *Lighting should be provided at all public entrances, walkways, and courtyards. (p. 24, #4)*

Staff Analysis: The proposed facilities have been designed as stealth streetlights to provide light for vehicles and pedestrians using the public right of way. The pole color and fixture style will be consistent with the City's required specifications.

## Architectural Review Commission Authority

The ARC is required to review new construction for compliance with applicable design guidelines and compatibility with surrounding properties, as required by section 19.49.060 of the zoning ordinance:

### **19.49.060 Gateway Overlay District.**

**C. Certificate of design compliance.** *A certificate of design compliance issued by the ARC shall be required before proceeding with any new development or changes to existing development in a Gateway Overlay District. No alteration of the existing condition of land, structures, signs, landscaping or lighting, including, without limitation, demolition of any structure, application of new exterior siding material, creation of a new window or dormer, creation of a driveway or parking facility, construction of a deck, fence or garage, or enclosure of a porch shall be permitted within the Gateway Overlay District except as provided in this chapter.*

**D. General review criteria.** *The ARC must determine that the following general review criteria are met before issuing a certificate of design compliance for a project:*

- 1. The proposed work must comply with the applicable design guidelines for that overlay district;*
- 2. The integrity of an individual historic structure is preserved, if applicable;*
- 3. The design of new buildings or additions must be compatible with surrounding gateway properties; and,*
- 4. The overall character of the Gateway Overlay District is protected.*

---

## Recommendation & Conditions of Approval

Staff recommends approval of the application with conditions:

1. The poles must be painted with a textured black paint to match City streetlights;
2. Street lighting shall be 5600 lumens equivalent LED lighting and no more than 3500 kelvin, as required by the City subdivision ordinance (12.24.190) and the City outdoor lighting ordinance (19.77).
3. Obtain a building permit and right-of-way permit from the City for each location prior to construction.

---

## Model Motions

### **Approval**

I move to issue a Certificate of Design Compliance for project WT-20-001 subject to all recommended conditions of approval outlined in the staff report dated November 19, 2020

- Add any additional conditions of approval...

### **Denial**

I move to deny a Certificate of Design for project WT-20-001 based on the following findings:

- List reasons for denial...

---

## Attachments

1. Applicant Narrative
2. Proposed Plans