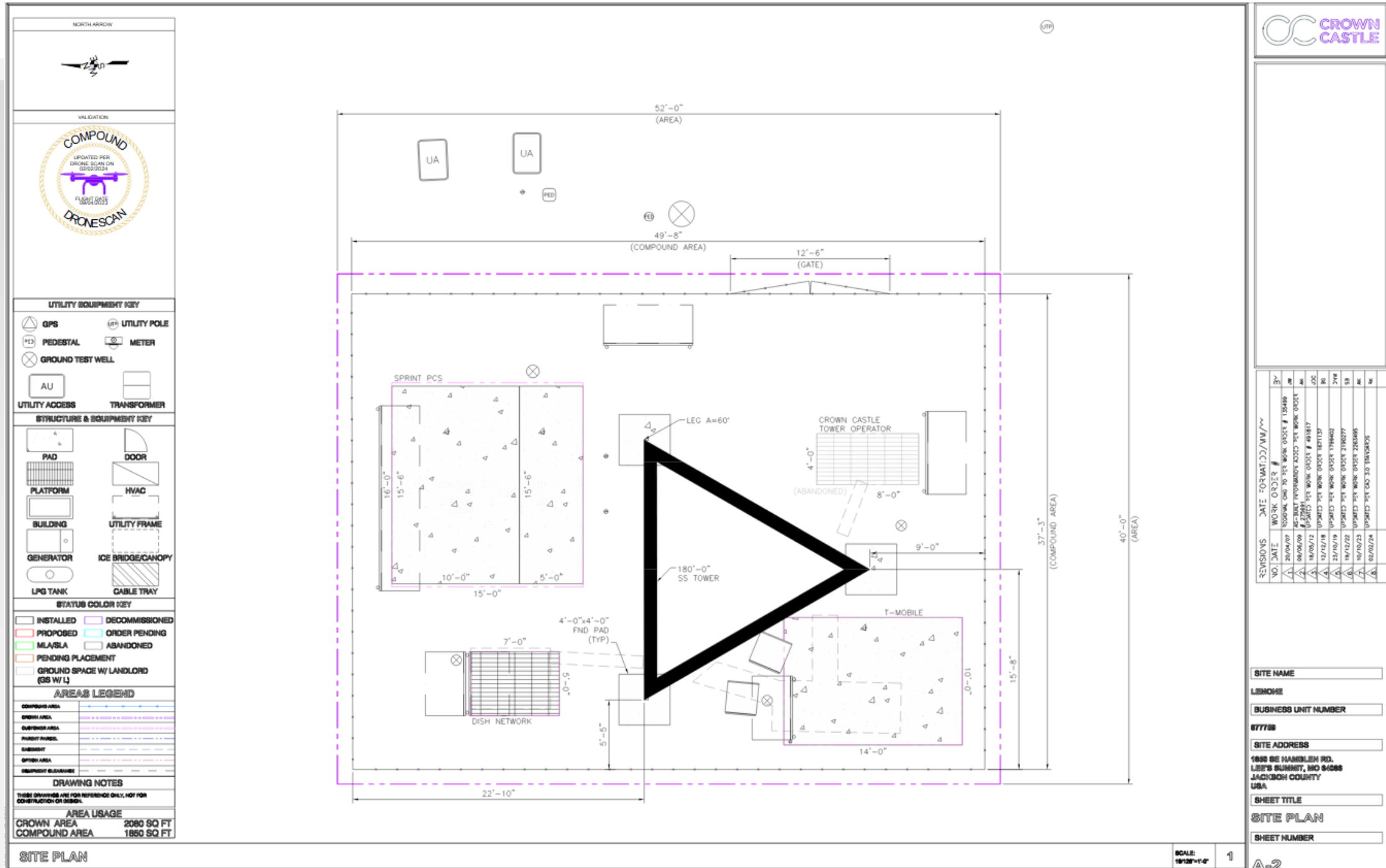


Lemone Facility



Lemone Facility

Date: **June 02, 2023**



MORRISON HERSHFIELD

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 379-8500

Subject: Structural Analysis Report

Carrier Designation: T-Mobile Co-Locate
Site Number: A5C0661A

Crown Castle Designation: BU Number: 877759
Site Name: Lemone
JDE Job Number: 748747
Work Order Number: 2233945
Order Number: 652434 Rev. 0

Engineering Firm Designation: Morrison Hershfield Project Number: CN6-048R4 / 2300001

Site Data: 1850 Se Hamblen Rd., Lee's Summit, Jackson County, MO 64086
Latitude 38° 53' 8.5", Longitude -94° 21' 35.3"
180 Foot - Self Support Tower

Morrison Hershfield is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC5: Proposed Equipment Configuration

Sufficient Capacity

This analysis has been performed in accordance with the 2018 International Building Code based upon an ultimate 3-second gust wind speed of 109 mph. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

G. Lance Cooke, P.E. (MO License No. PE-2011015564)
Senior Engineer



Digitally signed by
G. Lance Cooke
Date: 2023.06.02
17:07:18+05'30'

