

Branchville Water Tower Antenna Modifications

6900 Powder Mill Rd, Beltsville, Maryland

Approval of Preliminary and Final Site Development Plans

United States Department of Agriculture

Project Summary

Commission Meeting Date: June 4, 2026

NCPC Review Authority: 40 U.S.C. § 8722(b)(1)

Applicant Request: Approval of Preliminary and Final Site Development Plans

Session: Executive Director

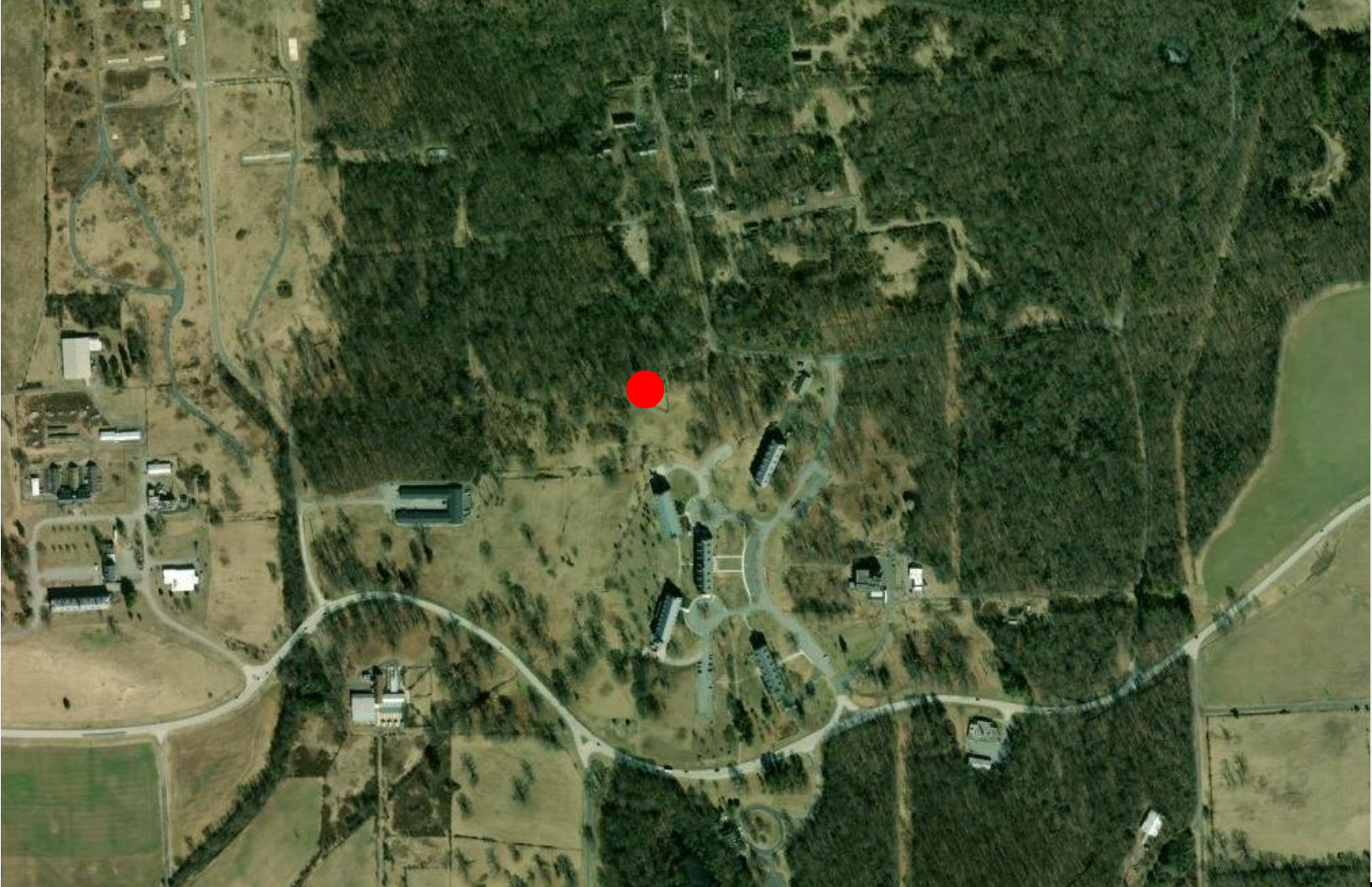
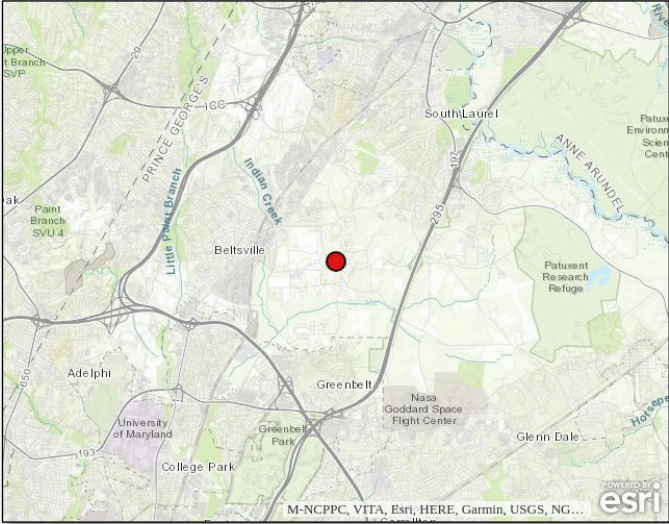
NCPC Review Officer: Jamie Herr

NCPC File Number: 8781

Project Summary:

The United States Department of Agriculture, in coordination with AT&T, has submitted preliminary and final site development plans to update the antenna array attached to an existing water tower at the Beltsville Agricultural Research Center in Beltsville, Maryland. The proposal includes removing nine (9) antennas, nine (9) remote radioheads, and six (6) amplifiers to install six (6) new antennas and nine (9) remote radioheads. Additional minor changes to ground mounted support equipment is also included.

Site Location



Location Map

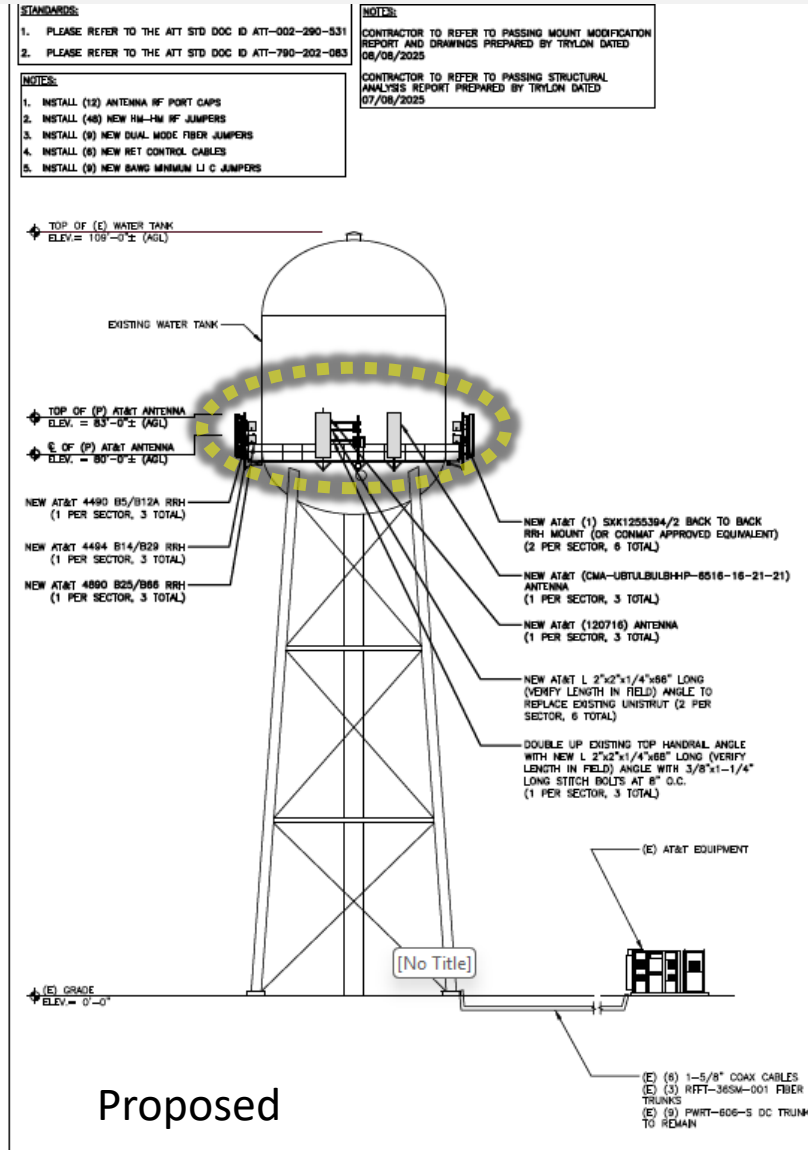
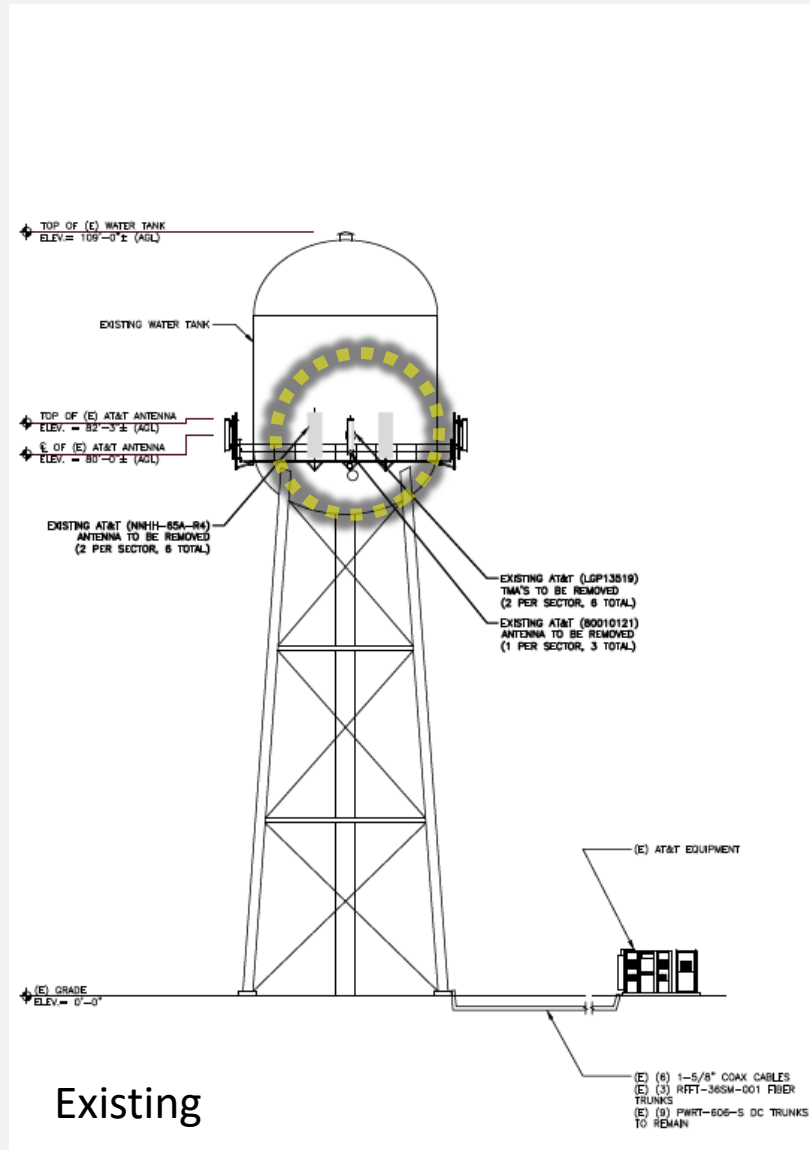
Existing Water Tower



Enlargement of existing water tower

Water Tower Antenna Elevation

- Proposed:
- Remove nine (9) antennas,
 - Remove nine (9) remote radioheads,
 - Remove six (6) amplifiers



STANDARDS:

1. PLEASE REFER TO THE AT&T STD DOC ID ATT-002-290-531
2. PLEASE REFER TO THE AT&T STD DOC ID ATT-790-202-083

NOTES:

1. INSTALL (12) ANTENNA RF PORT CAPS
2. INSTALL (48) NEW HM-HM RF JUMPERS
3. INSTALL (9) NEW DUAL MODE FIBER JUMPERS
4. INSTALL (8) NEW RET CONTROL CABLES
5. INSTALL (9) NEW BANG MINIMUM L/C JUMPERS

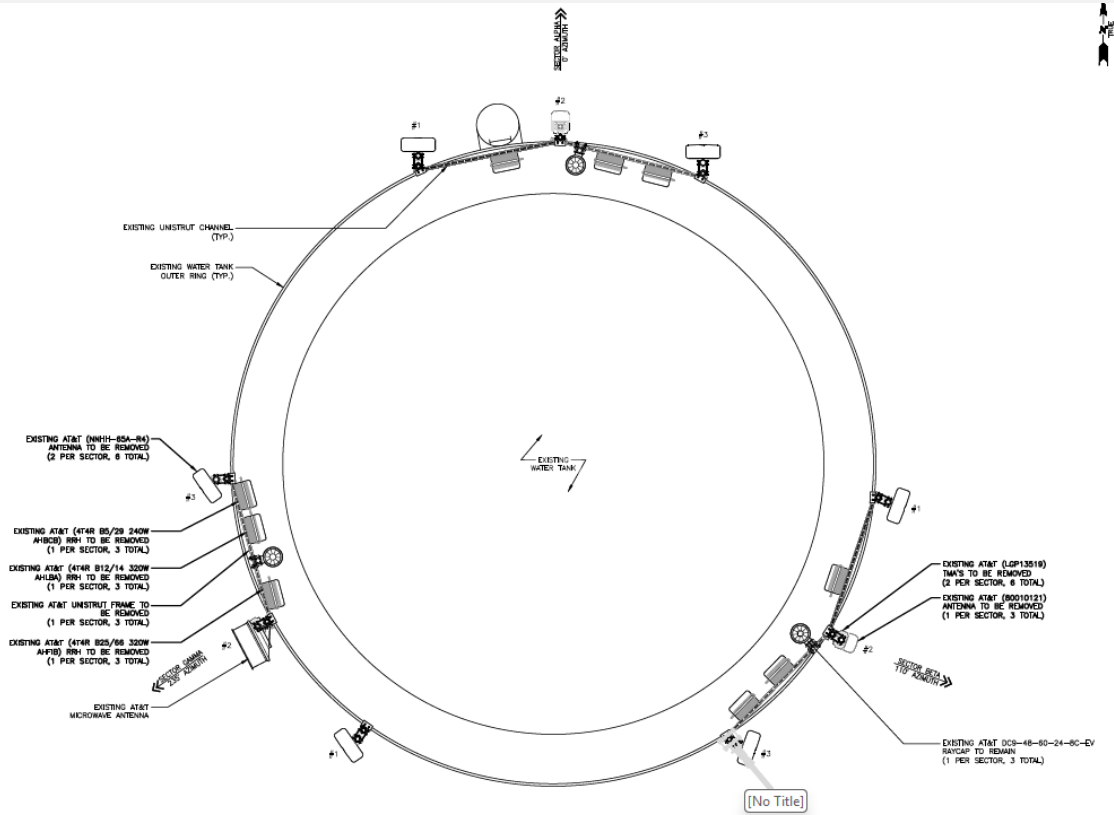
NOTES:

CONTRACTOR TO REFER TO PASSING MOUNT MODIFICATION REPORT AND DRAWINGS PREPARED BY TRYLON DATED 06/08/2023

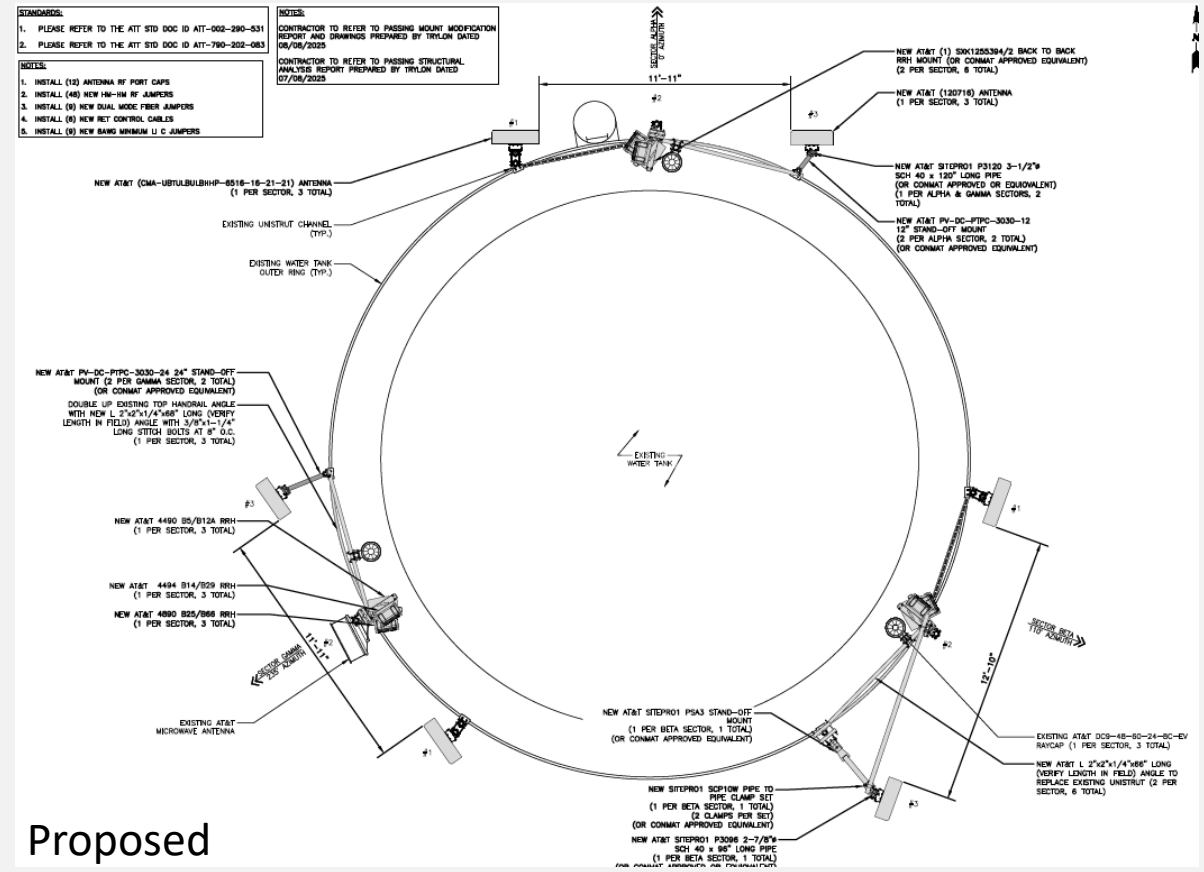
CONTRACTOR TO REFER TO PASSING STRUCTURAL ANALYSIS REPORT PREPARED BY TRYLON DATED 07/08/2023

- Proposal:
- Install six (6) new antennas
 - Install nine (9) remote radioheads

Water Tower Antenna Plan

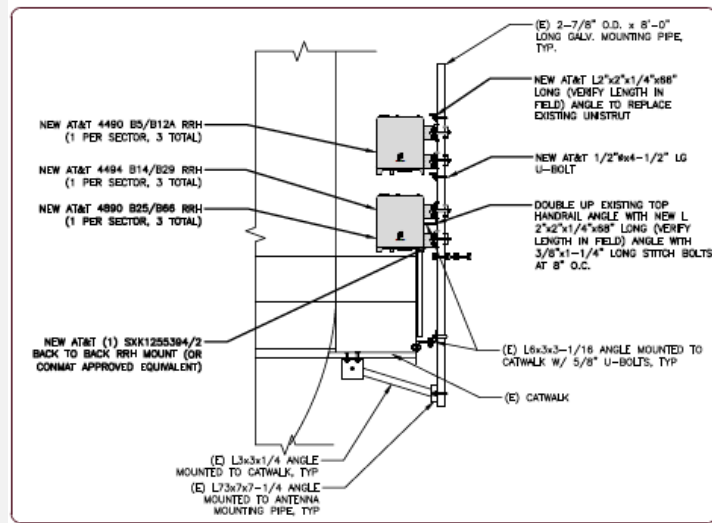


Existing

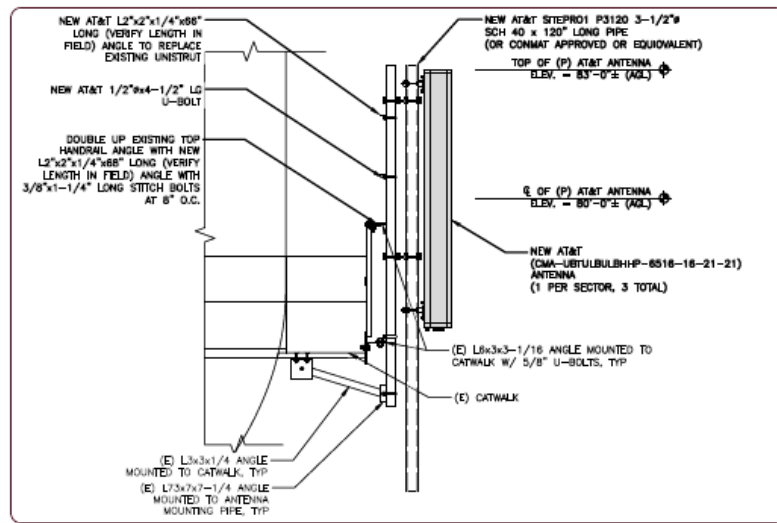


Proposed

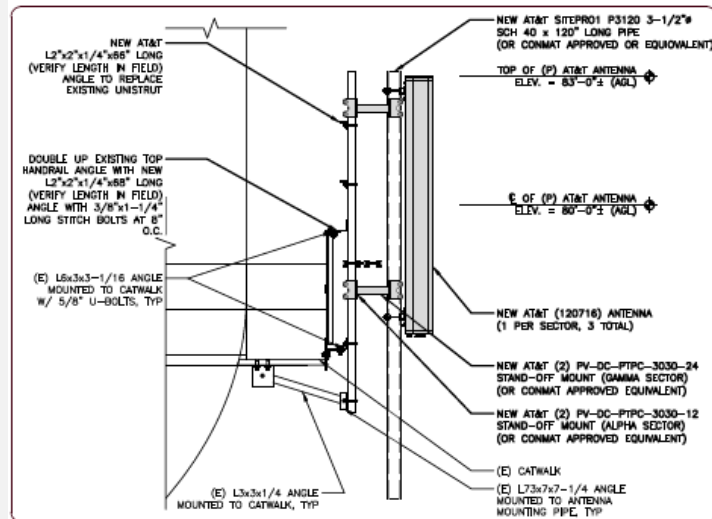
Water Tower Antenna Details



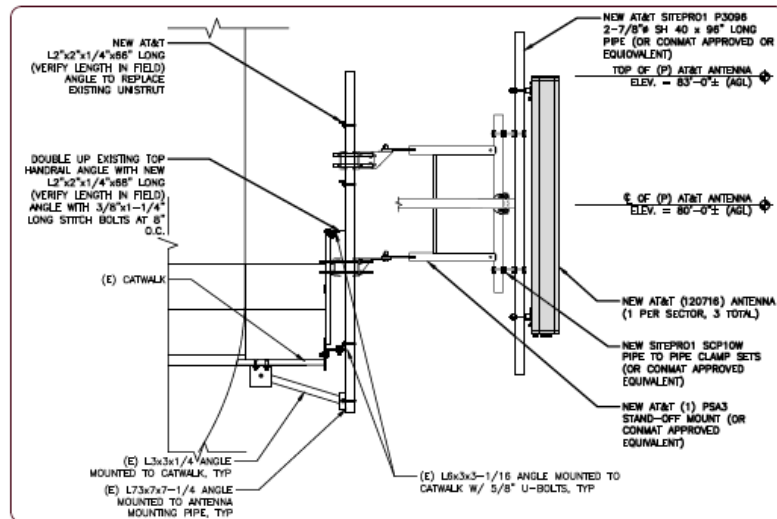
1 RRU MOUNTING DETAIL
C-12 SCALE: NTS



2 ANTENNA MOUNTING DETAIL (FOR ALPHA, BETA & GAMMA SECTOR)
C-12 SCALE: NTS



3 ANTENNA MOUNTING DETAIL (FOR ALPHA & GAMMA SECTOR)
C-12 SCALE: NTS



4 ANTENNA MOUNTING DETAIL (FOR BETA SECTOR)
C-12 SCALE: NTS

Proposed Antenna

