

**SITE NAME:** STANFORD RAN 32 / VENUE  
**SITE ADDRESS:** 805 RAIMUNDO WAY STANFORD, CA 94305  
**COUNTY:** SANTA CLARA  
**JURISDICTION:** SANTA CLARA  
**SITE TYPE:** NEW 49'-11" MONOPINE (NEW FACILITY)  
**PROJECT:** LTE MIMO ON 700MHz AND 1900MHz



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**SITE ADDRESS:** 805 RAIMUNDO WAY STANFORD, CA 94305  
**SITE TYPE:** NEW 49'-11" MONOPINE (NEW FACILITY)

**ISSUED FOR:**

| REV | DATE       | DRWN | DESCRIPTION           | QA |
|-----|------------|------|-----------------------|----|
| 0   | 03/30/2022 | CT   | 90% CONSTRUCTION DWGS | CG |
| 1   | 07/18/2022 | MA   | 90% CONSTRUCTION DWGS | ML |
| 2   | 06/14/2023 | ES   | 90% CONSTRUCTION DWGS | BD |
|     |            |      |                       |    |
|     |            |      |                       |    |
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|     |            |      |                       |    |
|     |            |      |                       |    |



**PRELIMINARY CONSTRUCTION DRAWINGS**

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**SHEET TITLE:**  
TITLE SHEET

**SHEET NUMBER:** T-1 **REVISION:** 2

**SITE INFORMATION**

CROWN CASTLE FIBER LLC  
**SITE NAME:** STANFORD RAN 32 / VENUE  
**SITE ADDRESS:** 805 RAIMUNDO WAY STANFORD, CA 94305  
**PROPERTY OWNER:** STANFORD UNIVERSITY 616 SERRA ST STANFORD, CA 94305  
**MAP/PARCEL #:** 142-21-084  
**LATITUDE:** 37.412162  
**LONGITUDE:** -122.158581  
**GROUND ELEVATION:** ±236'  
**CURRENT ZONING:** RIS  
**JURISDICTION:** SANTA CLARA  
**LEASE AREA:** ±204 SQFT  
**ACCESSIBILITY REQUIREMENTS:** THE FACILITY IS UNMANNED AND NOT FOR CONTINUOUS HUMAN HABITATION. DISABLED / CHALLENGED ACCESS IS NOT REQUIRED PER CBC 2022, SECTION 11B-203.4(LIMITED ACCESS SPACE)  
**POWER COMPANY:** STANFORD UNIVERSITY  
**WATER COMPANY:** SANTA CLARA VALLEY WATER DISTRICT

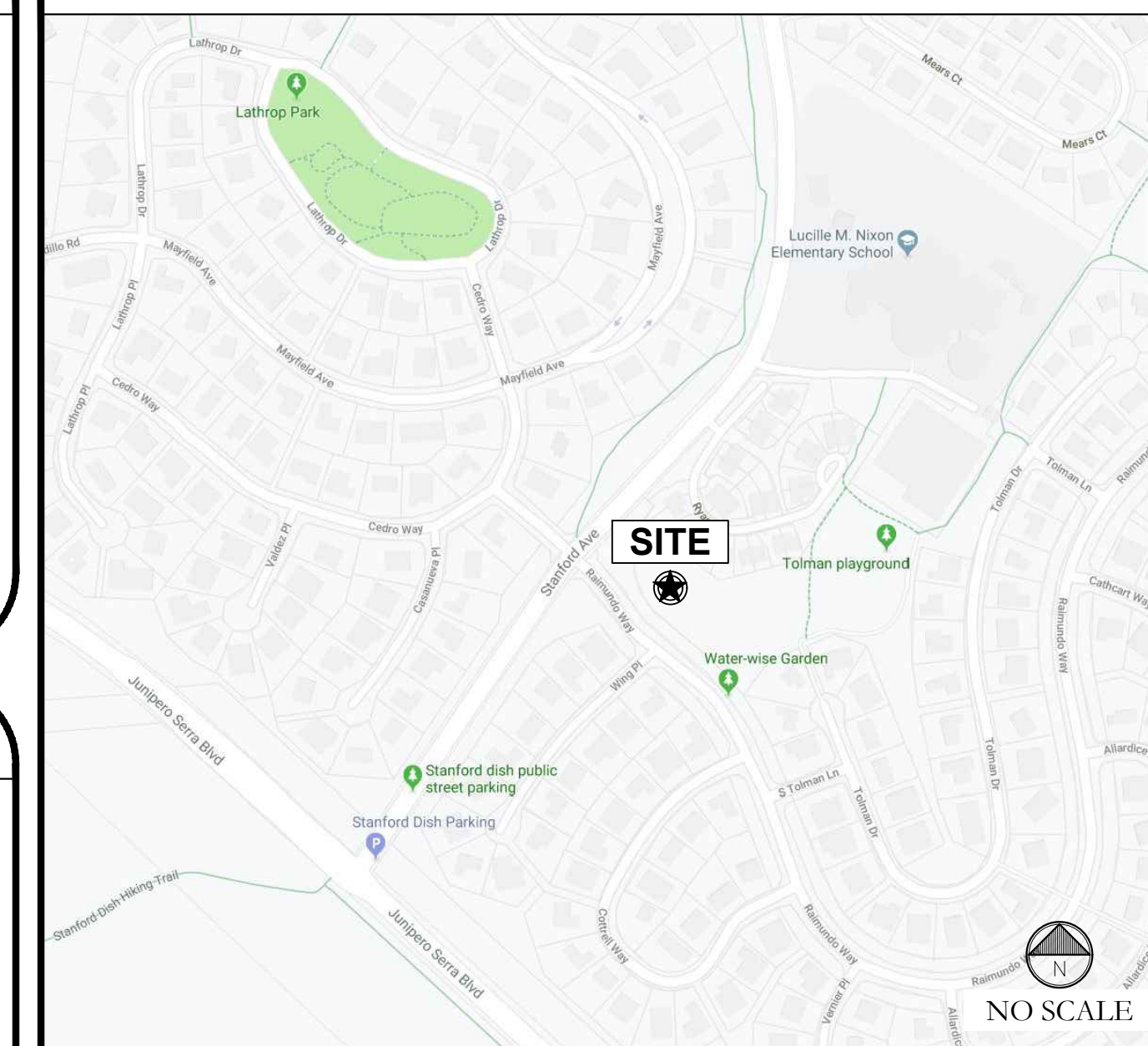
**DRAWING INDEX**

| SHEET # | SHEET DESCRIPTION                     |
|---------|---------------------------------------|
| T-1     | TITLE SHEET                           |
| GN-1    | GENERAL NOTES                         |
| F-1     | FIRE PROTECTION INFORMATION           |
| A-1     | SITE PLAN                             |
| A-2     | ENLARGED SITE PLAN                    |
| A-3     | ANTENNA PLAN LAYOUT                   |
| A-4     | EQUIPMENT PLAN LAYOUT                 |
| A-5     | ELEVATIONS                            |
| D-1     | EQUIPMENT DETAILS                     |
| D-2     | EQUIPMENT DETAILS                     |
| S-1     | STRUCTURAL NOTES & SPECIAL INSPECTION |

**PROJECT TEAM APPROVAL**

CROWN (NRE): \_\_\_\_\_ (DATE)  
CROWN (PM): \_\_\_\_\_ (DATE)  
CROWN (RF): \_\_\_\_\_ (DATE)  
STANFORD (IT): \_\_\_\_\_ (DATE)  
GUP CHECKLIST: \_\_\_\_\_ (DATE)

**LOCATION MAP**



FROM CROWN CASTLE OFFICE: 1 PARK PL, DUBLIN, CA 94568  

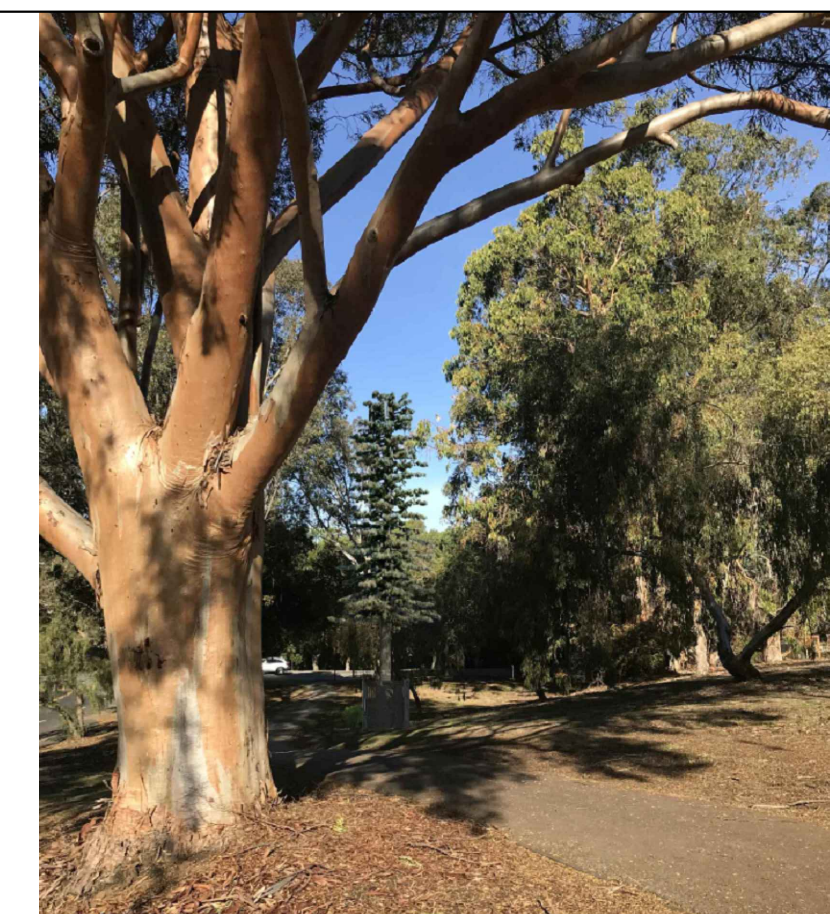
- GET ON I-580 W FROM HACIENDA DR
- TAKE I-680 S TO CA-262 S/MISSION BLVD IN FREMONT. TAKE EXIT 12 FROM I-680 S
- TAKE I-880 S, CA-237 W AND US-101 N TO OREGON EXPY IN PALO ALTO.
- TAKE EXIT 402 FROM US-101 N
- CONTINUE ON OREGON EXPY. TAKE PAGE MILL RD TO RAIMUNDO WAY
- TAKE A LEFT ON RAIMUNDO WAY

DESTINATION WILL BE ON THE RIGHT

**JURISDICTION APPROVAL**

SANTA CLARA COUNTY PLANNING DEPARTMENT  
70 W HEDDING ST \_\_\_\_\_ (DATE)  
7TH FLOOR, EAST WING  
SAN JOSE, CA 95110  
STANFORD UNIVERSITY PLANNING DEPARTMENT  
31160 PORTER DR \_\_\_\_\_ (DATE)  
PALO ALTO, CA 94304

**SITE PHOTO SIMULATION**



**PROJECT DESCRIPTION**

THE PURPOSE OF THIS PROJECT IS TO PROPOSE A CO-LOCATION WIRELESS INSTALLATION ON A NEW MONOPINE:  
**MONOPINE SCOPE OF WORK:**  

- INSTALL (1) 49'-0" MONOPINE WITH FOUNDATION
- INSTALL (3) PANEL ANTENNAS
- INSTALL (1) ANTENNA TRI MOUNT

**GROUND SCOPE OF WORK:**  

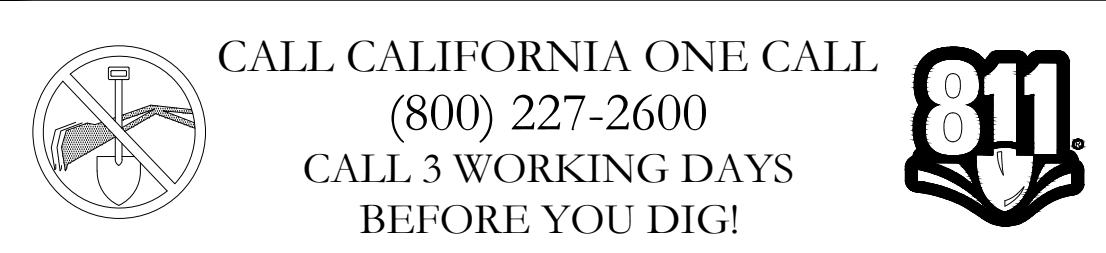
- INSTALL (1) 8'-6"x10'-0" CONCRETE PAD
- INSTALL 8'-0" HIGH CHAIN-LINK FENCE W/ BLACK SLATS
- INSTALL (1) H-FRAME
- INSTALL (9) REMOTE RADIO UNITS
- INSTALL (1) H-FRAME
- INSTALL (1) DISTRIBUTION PANEL
- INSTALL (1) FIBER CABINET
- INSTALL (2) CABLE ICE BRIDGES

**DESIGN REFERENCE DOCUMENT:**  
Leaf-RAN 32-48623243\_ATT\_RF\_Design\_Rev03  
DATED: 07/16/2018  
**NOTE:**  
PROJECT SCOPE OF WORK DOES NOT INCLUDE A STRUCTURAL EVALUATION OF THIS POLE OR STRUCTURE. NEW EQUIPMENT SHOWN ON THIS PLAN HAVE NOT BEEN EVALUATED TO VERIFY THE POLE AND ITS FOUNDATION HAS THE CAPACITY TO ADEQUATELY SUPPORT THE EQUIPMENT. PRIOR TO ANY INSTALLATION, A STRUCTURAL EVALUATION OF THE POLE OR STRUCTURE SHOULD BE PERFORMED

**APPLICABLE CODES/REFERENCE DOCUMENTS**

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:  
2022 CALIFORNIA BUILDING CODE  
2022 CALIFORNIA ELECTRICAL CODE  
2022 CALIFORNIA MECHANICAL CODE  
2022 CALIFORNIA ENERGY CODE  
2022 CALIFORNIA FIRE CODE  
CITY/COUNTY ORDINANCES  
ANSI/TIA-222-F4  
**NOTES:**  

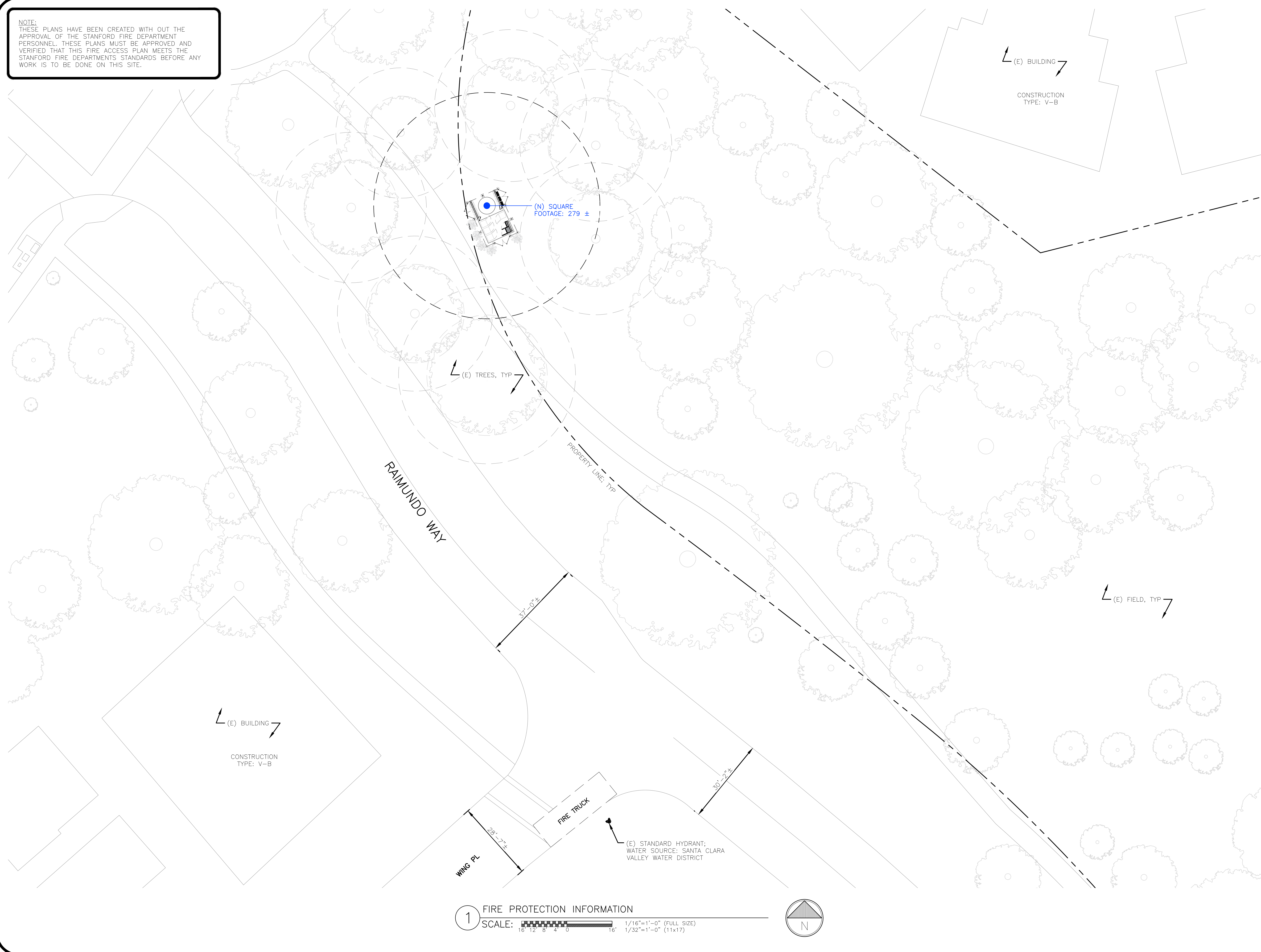
- PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT DRAINAGE; NO SANITARY SEWER SERVICE, PORTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.
- ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR FULL SIZE. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



CALL CALIFORNIA ONE CALL  
(800) 227-2600  
CALL 3 WORKING DAYS  
BEFORE YOU DIG!



NOTE:  
 THESE PLANS HAVE BEEN CREATED WITH OUT THE APPROVAL OF THE STANFORD FIRE DEPARTMENT PERSONNEL. THESE PLANS MUST BE APPROVED AND VERIFIED THAT THIS FIRE ACCESS PLAN MEETS THE STANFORD FIRE DEPARTMENTS STANDARDS BEFORE ANY WORK IS TO BE DONE ON THIS SITE.



**CROWN CASTLE**  
 1 PARK PLACE PLACE  
 DUBLIN, CA 94568

**LEAF COMMUNICATIONS**  
 1000 CALLE CORDILLERA  
 SAN CLEMENTE, CA 92673  
 WWW.LEAFCOMM.COM  
 TEL: (949) 388-0192

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**SITE ADDRESS:**  
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**SITE TYPE:**  
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 (NEW FACILITY)

**ISSUED FOR:**

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|     |            |      |                       |    |

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**PRELIMINARY CONSTRUCTION DRAWINGS**

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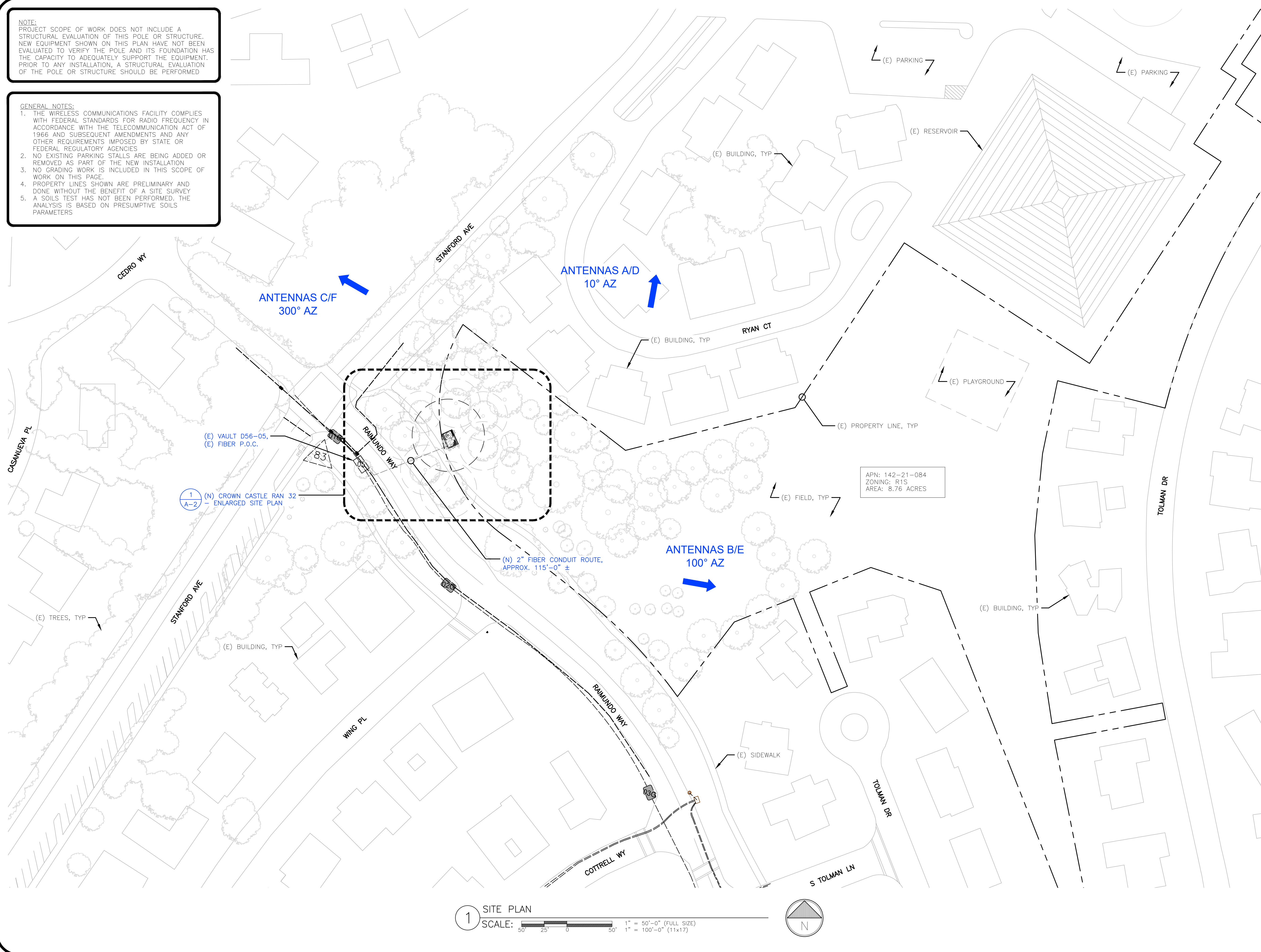
**SHEET TITLE:**  
 FIRE PROTECTION INFORMATION

**SHEET NUMBER:** F-1 **REVISION:** 2

1 FIRE PROTECTION INFORMATION  
 SCALE: 1/16"=1'-0" (FULL SIZE) 1/32"=1'-0" (11x17)

**NOTE:**  
PROJECT SCOPE OF WORK DOES NOT INCLUDE A STRUCTURAL EVALUATION OF THIS POLE OR STRUCTURE. NEW EQUIPMENT SHOWN ON THIS PLAN HAVE NOT BEEN EVALUATED TO VERIFY THE POLE AND ITS FOUNDATION HAS THE CAPACITY TO ADEQUATELY SUPPORT THE EQUIPMENT. PRIOR TO ANY INSTALLATION, A STRUCTURAL EVALUATION OF THE POLE OR STRUCTURE SHOULD BE PERFORMED.

- GENERAL NOTES:**
1. THE WIRELESS COMMUNICATIONS FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1966 AND SUBSEQUENT AMENDMENTS AND ANY OTHER REQUIREMENTS IMPOSED BY STATE OR FEDERAL REGULATORY AGENCIES.
  2. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE NEW INSTALLATION.
  3. NO GRADING WORK IS INCLUDED IN THIS SCOPE OF WORK ON THIS PAGE.
  4. PROPERTY LINES SHOWN ARE PRELIMINARY AND DONE WITHOUT THE BENEFIT OF A SITE SURVEY.
  5. A SOILS TEST HAS NOT BEEN PERFORMED. THE ANALYSIS IS BASED ON PRESUMPTIVE SOILS PARAMETERS.



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**PRELIMINARY  
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**SHEET TITLE:**  
SITE PLAN

**SHEET NUMBER:** A-1 **REVISION:** 2

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- GENERAL NOTES:**
1. REQUIREMENTS AND PROCEDURES SHALL BE FOLLOWED, AS DETAILED IN THE FDG SPECIFICATIONS GUIDELINE 01532 TREE AND SHRUB PROTECTION.
  2. THE ROOT ZONE OF ALL TREES MUST BE PROTECTED ON ALL CONSTRUCTION PROJECTS, AS DESCRIBED BELOW. A TREE'S ROOT ZONE IS DEFINED AS THE AREA FROM THE TRUNK OUT TO 10' BEYOND THE TREE'S DRIP LINE.
  3. A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST SHALL BE CONTACTED TO EVALUATE ALL WORK WITHIN ANY TREES' ROOT ZONES.
  4. ALL TREES TO REMAIN ON A PROJECT SHALL HAVE PROTECTIVE FENCING INSTALLED PER THE TREE PROTECTION DRAWING INCLUDED IN THE PLAN SET.
  5. PROTECTIVE FENCING SHALL BE CHAIN LINK ON SECURE FOOTINGS, OR IMBEDDED AS REQUIRED BY THE CAMPUS PLANNING AND DESIGN OFFICE OR A STANFORD UNIVERSITY GROUNDS SERVICES CERTIFIED ARBORIST, THAT WILL NOT FALL OVER ONTO TREES.
  6. PROTECTIVE FENCING SHALL BE PLACED AT THE OUTER EDGE OF THE ROOT ZONE, 10' BEYOND THE TREE DRIP LINE WHEREVER POSSIBLE AS SHOWN ON TREE PROTECTION DRAWING. IF PROJECT CONSTRAINTS DO NOT ALLOW OF THE ROOT ZONE, FENCING MUST BE PLACED AS CLOSE TO THIS AS POSSIBLE AND APPROVED AFTER IT IS IN PLACE BY A STANFORD UNIVERSITY GROUNDS SERVICES CERTIFIED ARBORIST.
  7. LAYDOWN, STAGING AND PARKING AREAS SHALL BE APPROVED BY THE STANFORD UNIVERSITY ARCHITECT/CAMPUS PLANNING DEPARTMENT AND SHALL BE SHOWN ON THE PLANS IF WITHIN THE PROJECT LIMIT AREA, OR ON THE CONSTRUCTION LOGISTICS PLAN IF OUTSIDE THE PROJECT LIMIT AREA. ALL TREE PROTECTION GUIDELINES APPLY TO TREES IN LAYDOWN, STAGING AND PARKING AREAS AS WELL AS TO TREES WITHIN THE PROJECT LIMITS.
  8. CONSTRUCTION MATERIALS/EQUIPMENT/PERSONAL VEHICLES SHALL NOT BE STORED, PARKED OR TEMPORARILY PLACED IN THE ROOT ZONES OF ANY TREES. NOTHING SHALL BE STORED OR PLACED TEMPORARILY WITHIN PROTECTIVE FENCING, TO AVOID SOIL COMPACTION AND SOIL CONTAMINATION UNDER TREES. ROOT ZONES OF TREES SHALL NOT BE DRIVEN OVER. PROVIDE ALTERNATIVE ROUTES FOR CONSTRUCTION TRAFFIC OF ANY KIND INCLUDING CARS, PEOPLE, TRACTORS, EQUIPMENT, CRANES, OR ANY OTHER TRAFFIC AND ALL STAGING OR STORAGE AREAS.
  9. PROTECT OVERHANGING TREE CANOPIES FROM CONSTRUCTION DAMAGE. IF DRIVE AISLES ARE ANTICIPATED UNDER LOW CANOPIES CALL FOR AN EVALUATION BY A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST TO DETERMINE APPROPRIATE MEASURES.
  10. THERE SHALL BE NO GRADE CHANGE WITHIN A MINIMUM OF TEN FEET OF THE TRUNK OF EXISTING TREES, AND PREFERABLY NONE WITHIN THE ENTIRE ROOT ZONE. NATIVE OAKS ARE PARTICULARLY SENSITIVE TO GRADE CHANGES.
  11. NO RINSING, CLEANING EQUIPMENT OR DUMPING CONSTRUCTION LIQUID MATERIALS SHALL BE ALLOWED IN THE TREE ROOT ZONE, OR IN AN AREA THAT DRAINS INTO THE ROOT ZONE. CARE SHALL BE TAKEN IN CLEANING UP EQUIPMENT. THERE SHALL BE NO STORAGE OF DUMPSTERS OR ACCUMULATED DEBRIS FROM DEMOLITION ON OR AROUND THE ROOT ZONES OF EXISTING TREES AND SHRUBS.
  12. EXISTING TREES SHALL BE MONITORED WEEKLY AND IRRIGATED AS NEEDED DURING THE COURSE OF CONSTRUCTION.
  13. NO LIME OR OTHER SOIL TREATMENT SHALL BE APPLIED WITHOUT THE CONSENT OF A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST.
  14. ALL TRENCHING SHALL CONFORM TO THE FOLLOWING GUIDELINES:
    - A. A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST IS REQUIRED TO BE PRESENT TO SUPERVISE ANY TRENCHING, DIGGING OR EXCAVATION OF ANY KIND WITHIN A TREE'S ROOT ZONE.
    - B. ROOTS LARGER THAN 2 INCHES IN DIAMETER SHALL NOT BE SEVERED WITHOUT CALLING A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST FOR CUTTING OR REVIEW.
    - C. TUNNELING OR BORING UNDER ROOTS RATHER THAN PRUNING IS PREFERRED.
    - D. DIGGING WITHIN A TREE'S ROOT ZONE SHALL BE AVOIDED. IF IT IS NECESSARY, HAND DIGGING SHALL BE USED FOR ANY TRENCHING WITHIN THE TREE'S ROOT ZONE UNLESS OTHERWISE APPROVED BY A STANFORD GROUNDS SERVICES CERTIFIED ARBORIST.
    - E. ALL ROOTS THAT NEED TO BE CUT SHALL BE PRUNED CLEANLY, NOT TORN. THE PRECEDING GUIDELINES SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE GREATER THE DISTANCE OF TREE PROTECTION PROVIDED THE GREATER THE INSTANCE OF TREE SUCCESS IN CONSTRUCTION AREAS.

APN: 142-21-084  
ZONING: R15  
AREA: 8.76 ACRES

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**LEAF COMMUNICATIONS**

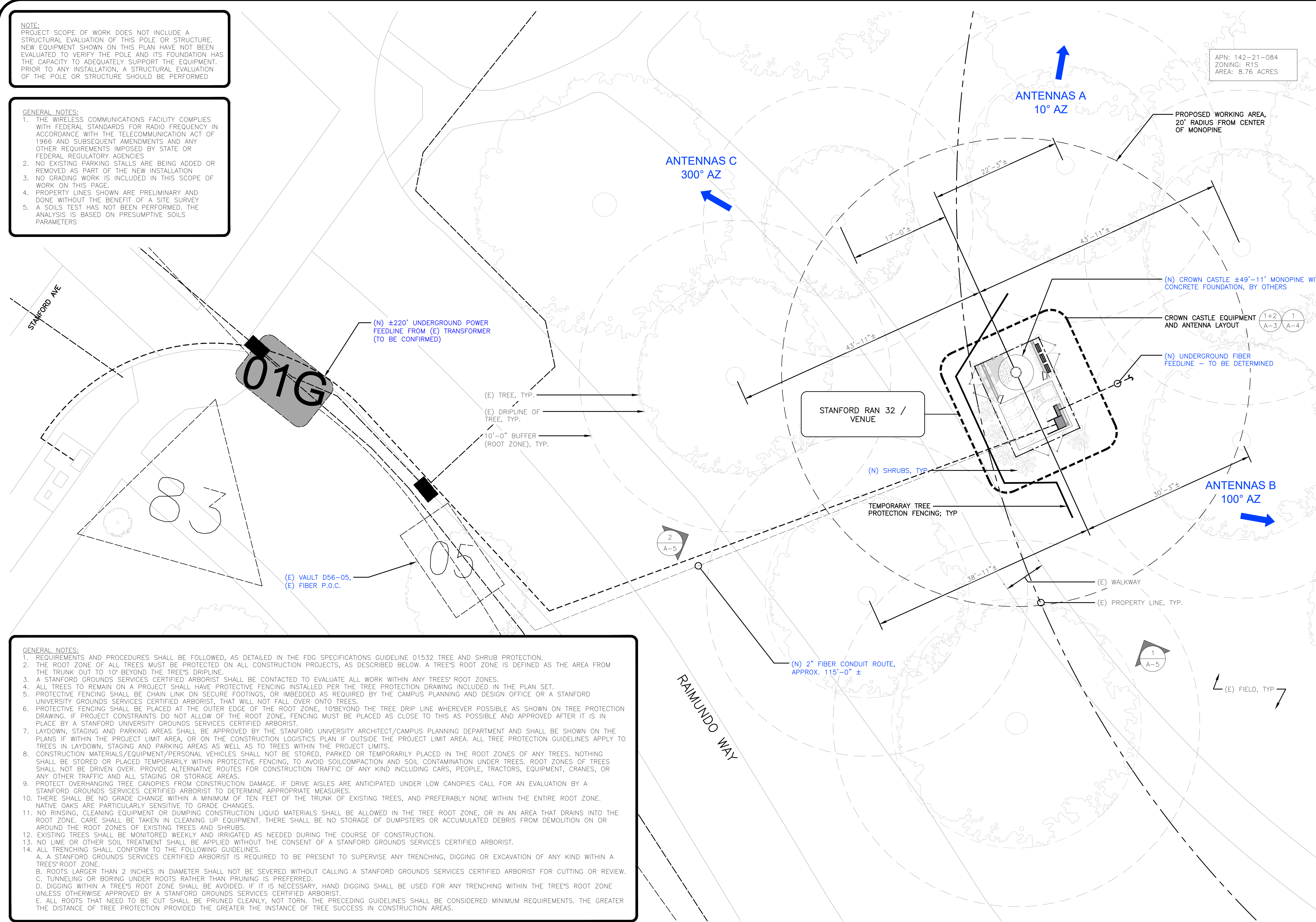
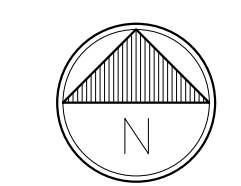
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**SHEET TITLE:**  
ENLARGED SITE PLAN

**SHEET NUMBER:** A-2 **REVISION:** 2

1 ENLARGED SITE PLAN  
SCALE: 1/8"=1'-0" (FULL SIZE)  
1/16"=1'-0" (11x17)



PROPOSED ANTENNA SCHEDULE

| SECTOR | ANTENNA      |       |               | ANTENNA SPEC'S<br>WEIGHT (LBS)<br>DIMENSIONS (LxWxD) | AZIMUTH                    | RAD<br>CENTER | RADIO<br>(AT GROUND LEVEL) | CABLE<br>TYPE AND LENGTH   |  |
|--------|--------------|-------|---------------|--|----------------------------|---------------|----------------------------|--|--|
|        | MANUFACTURER | MODEL | TECHNOLOGY    |  |                            |               |                            |  |  |
| ALPHA  | A1           | JMA   | MX16FIT465-00 | LTE 700   LTE 1900<br>NR 3700 (5G<br>C-BAND)         | 54.0 LBS<br>59"x20.0"x8.0" | 10°           | 47'-0"                     | (1) ERICSSON RADIO 4415 (B2)   40W<br>(1) ERICSSON RADIO 4449 (B17)   40W<br>(1) ERICSSON RADIO 4467 (N77)   40W | COAX: LDF4-50A (15M)<br>FIBER: CXTD-WM23WF-15M (15M) |
|        | A2           | -     | -             | -  | -                          | -             | -                          | --   |  |
| BETA   | B1           | JMA   | MX16FIT465-00 | LTE 700   LTE 1900<br>NR 3700 (5G<br>C-BAND)         | 54.0 LBS<br>59"x20.0"x8.0" | 100°          | 47'-0"                     | (1) ERICSSON RADIO 4415 (B2)   40W<br>(1) ERICSSON RADIO 4449 (B17)   40W<br>(1) ERICSSON RADIO 4467 (N77)   40W | COAX: LDF4-50A (15M)<br>FIBER: CXTD-WM23WF-15M (15M) |
|        | B2           | -     | -             | -  | -                          | -             | -                          | --   |  |
| GAMMA  | C1           | JMA   | MX16FIT465-00 | LTE 700   LTE 1900<br>NR 3700 (5G<br>C-BAND)         | 54.0 LBS<br>59"x20.0"x8.0" | 300°          | 47'-0"                     | (1) ERICSSON RADIO 4415 (B2)   40W<br>(1) ERICSSON RADIO 4449 (B17)   40W<br>(1) ERICSSON RADIO 4467 (N77)   40W | COAX: LDF4-50A (15M)<br>FIBER: CXTD-WM23WF-15M (15M) |
|        | C2           | -     | -             | -  | -                          | -             | -                          | --   |  |

NOTE:  
ANTENNAS AND PINE NEEDLES NOT SHOWN FOR CLARITY

NOTE:  
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STRUCTURAL EVALUATION OF THIS POLE OR STRUCTURE.  
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ANTENNA A  
10° AZ

ANTENNA C  
300° AZ

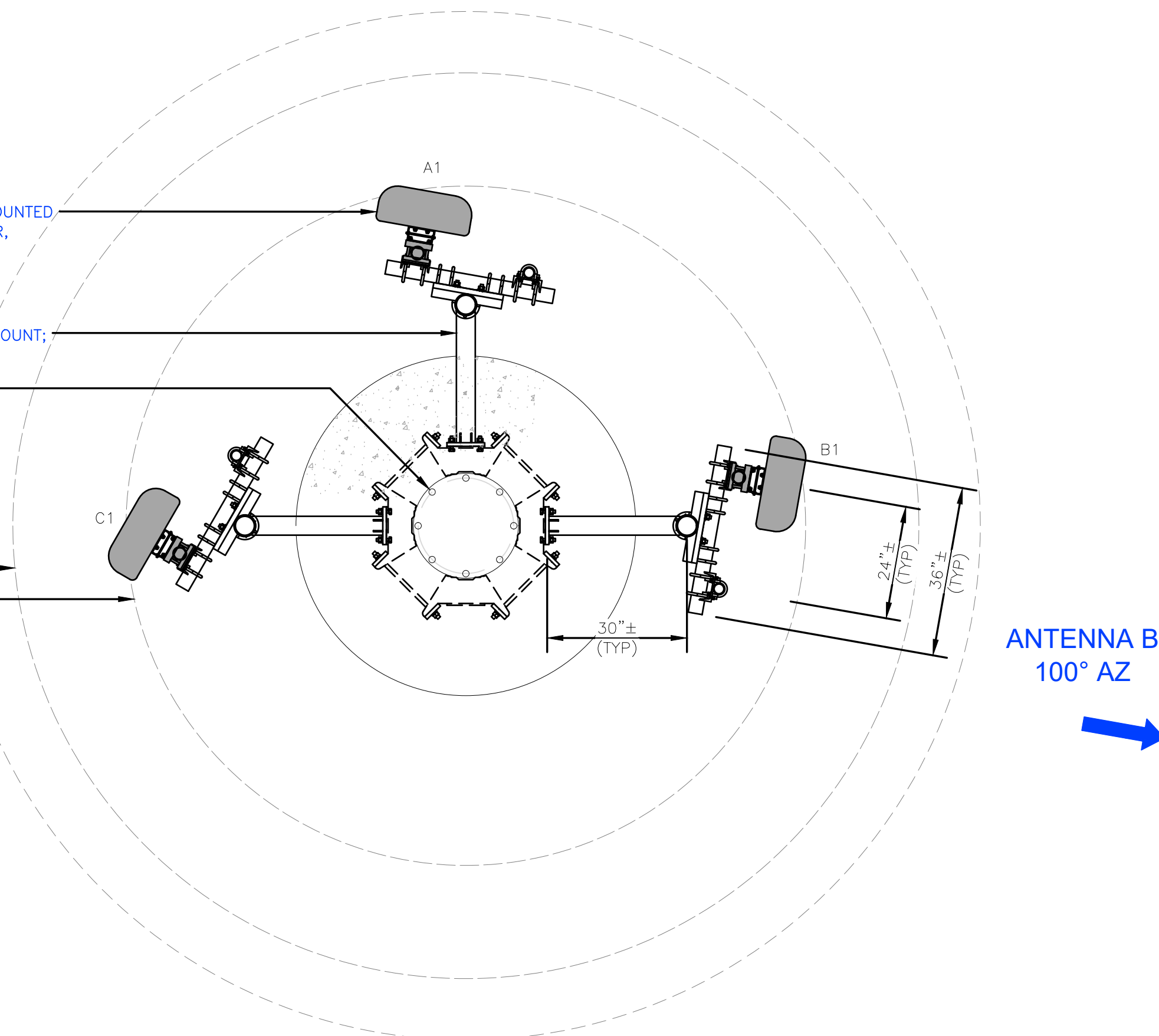
1.4  
D-1 (N) CROWN CASTLE PANEL ANTENNA MOUNTED  
ON (N) 3"Ø GALV. PIPE; 1 PER SECTOR,  
3 TOTAL, (1) JMA MX16FIT465-00

(N) (3) CROWN CASTLE ANTENNA TRI MOUNT;  
TYP. - SEE STRUCTURAL DRAWINGS

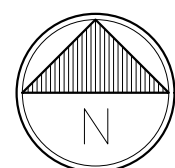
(N) CROWN CASTLE ±49'-11"  
MONOPINE WITH CONCRETE  
FOUNDATION, BY OTHERS

8'-0" BRANCH CIRCLE  
6'-0" BRANCH CIRCLE  
4'-0" BRANCH CIRCLE

OUTLINE OF PINE NEEDLES;  
(N) PINE NEEDLES NOT  
SHOWN FOR CLARITY

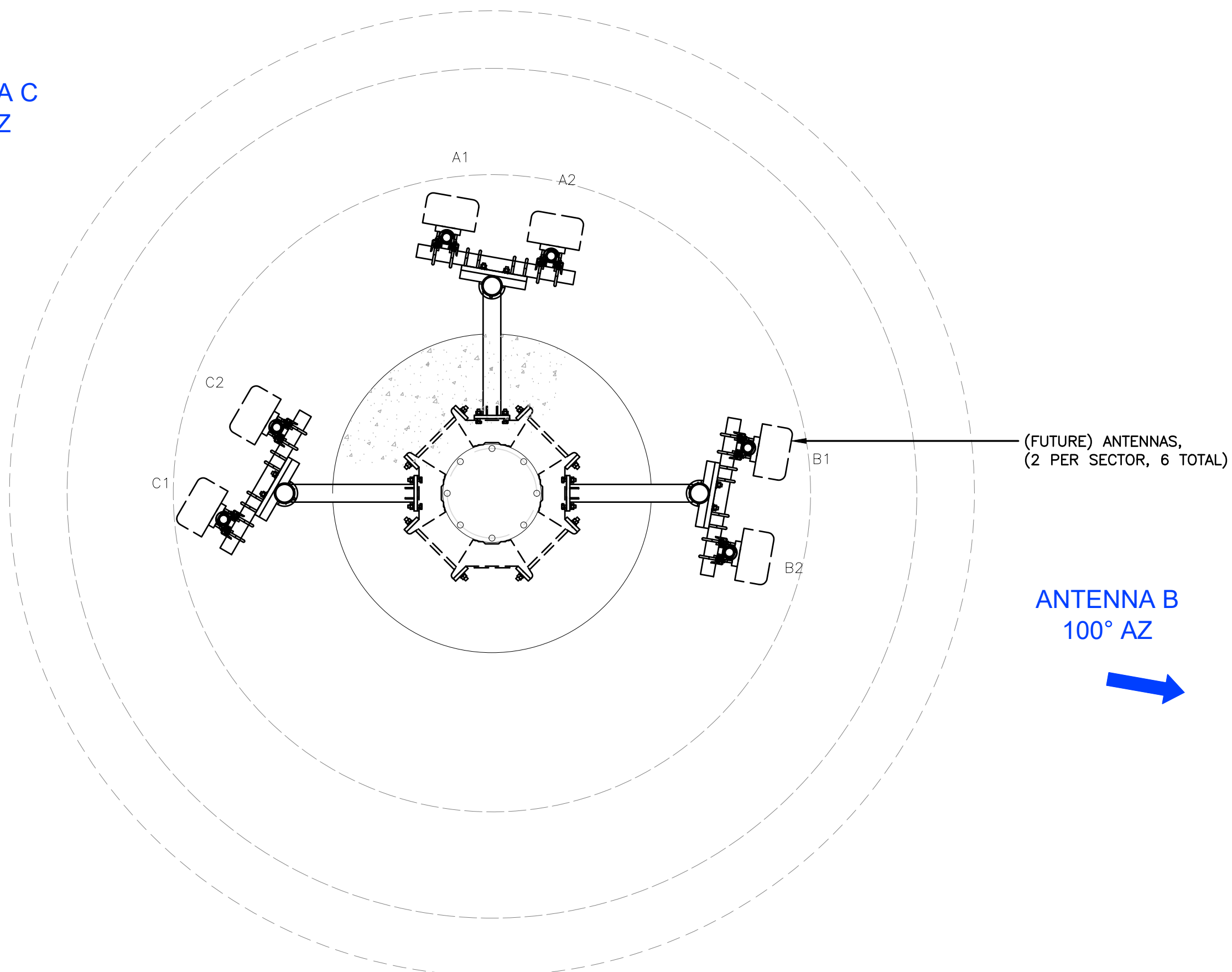


1 PROPOSED - UPPER ANTENNA LAYOUT @ 47'-0"  
SCALE: 1/2"=1'-0" (FULL SIZE)  
1/4"=1'-0" (11x17)

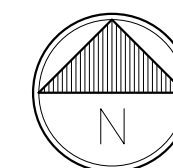


ANTENNA A  
10° AZ

ANTENNA C  
300° AZ



2 FUTURE - LOWER ANTENNA LAYOUT @ 41'-0"  
SCALE: 1/2"=1'-0" (FULL SIZE)  
1/4"=1'-0" (11x17)



**CROWN CASTLE**  
1 PARK PLACE PLACE  
DUBLIN, CA 94568

**LEAF COMMUNICATIONS**  
1000 CALLE CORDILLERA  
SAN CLEMENTE, CA 92673  
WWW.LEAFCOMM.COM  
TEL: (949) 388-0192

SITE NAME:  
STANFORD RAN 32 /  
VENUE

SITE ADDRESS:  
805 RAIMUNDO WAY  
STANFORD, CA 94305

SITE TYPE:  
NEW 49'-11" MONOPINE  
(NEW FACILITY)

ISSUED FOR:

| REV | DATE       | DRWN | DESCRIPTION           | QA |
|-----|------------|------|-----------------------|----|
| 0   | 03/30/2022 | CT   | 90% CONSTRUCTION DWGS | CG |
| 1   | 07/18/2022 | MA   | 90% CONSTRUCTION DWGS | ML |
| 2   | 06/14/2023 | ES   | 90% CONSTRUCTION DWGS | BD |
|     |            |      |                       |    |
|     |            |      |                       |    |
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**LEAF COMMUNICATIONS**

**PRELIMINARY  
CONSTRUCTION  
DRAWINGS**

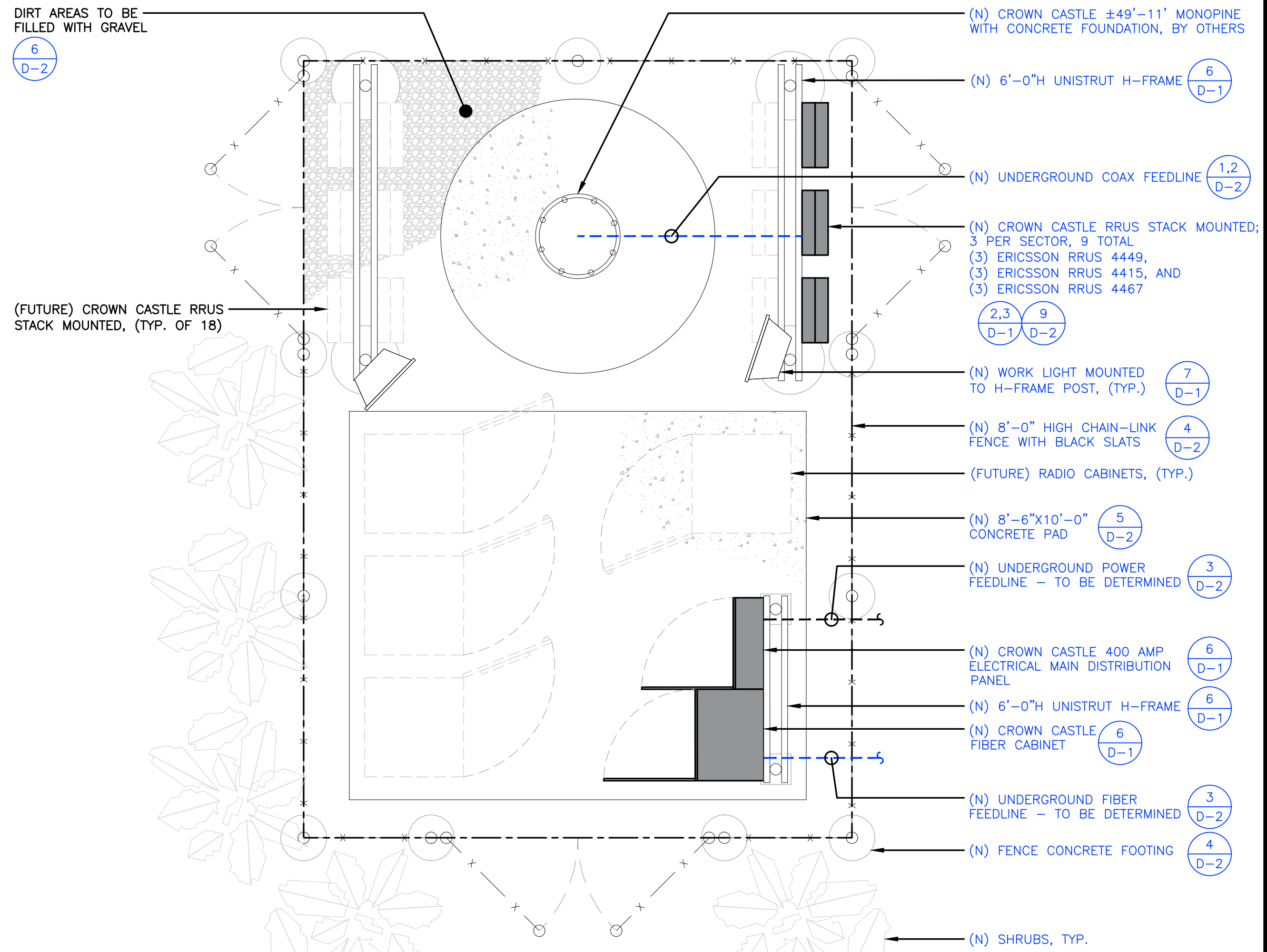
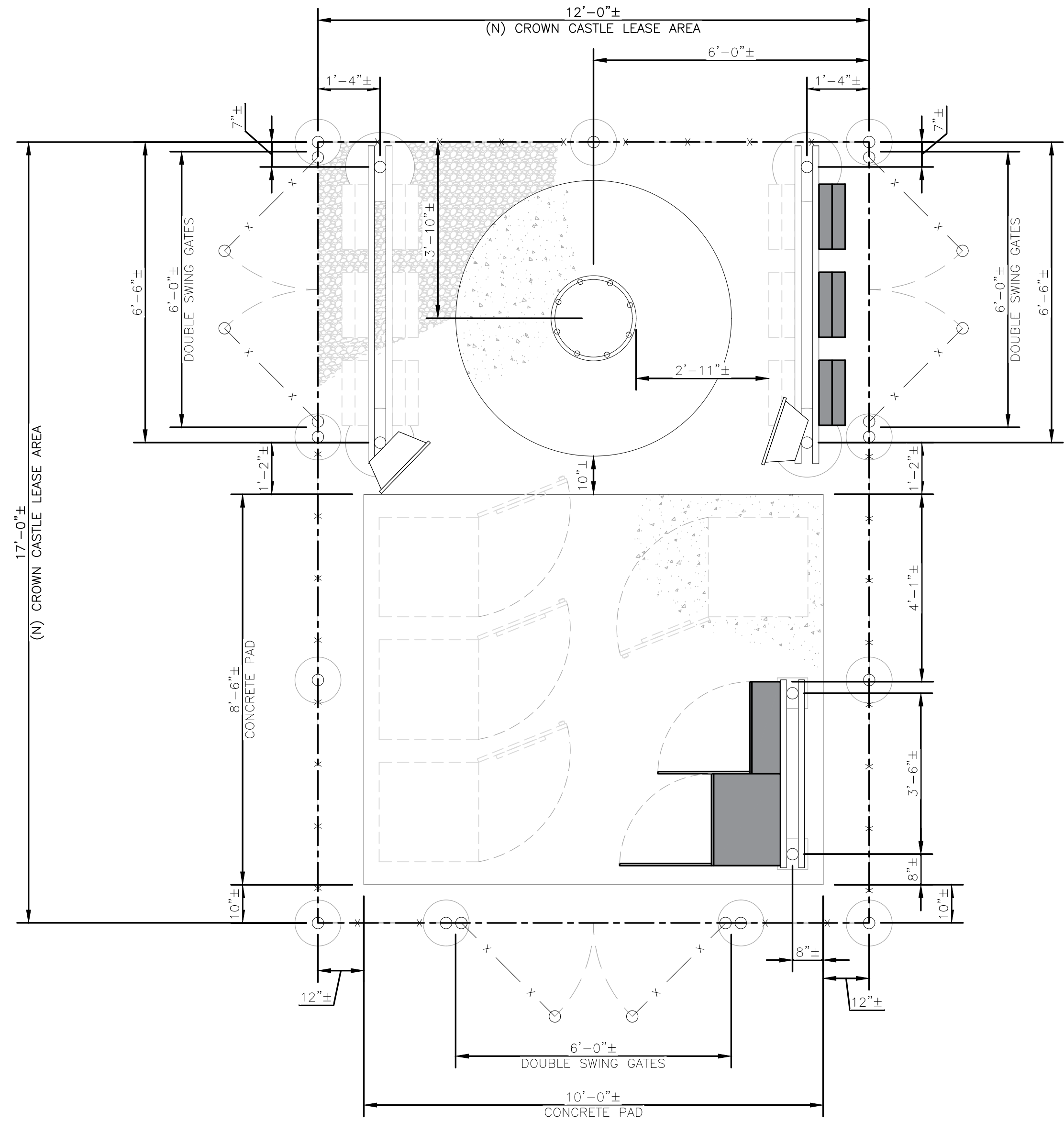
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UNLESS THEY ARE ACTING UNDER THE DIRECTION  
OF A LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

SHEET TITLE:  
ANTENNA PLAN LAYOUT

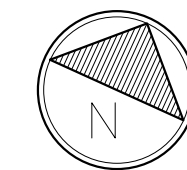
SHEET NUMBER: **A-3** REVISION: **2**

NOTE:  
ANTENNAS AND PINE NEEDLES NOT SHOWN FOR CLARITY

NOTE:  
PROJECT SCOPE OF WORK DOES NOT INCLUDE A STRUCTURAL EVALUATION OF THIS POLE OR STRUCTURE. NEW EQUIPMENT SHOWN ON THIS PLAN HAVE NOT BEEN EVALUATED TO VERIFY THE POLE AND ITS FOUNDATION HAS THE CAPACITY TO ADEQUATELY SUPPORT THE EQUIPMENT. PRIOR TO ANY INSTALLATION, A STRUCTURAL EVALUATION OF THE POLE OR STRUCTURE SHOULD BE PERFORMED



1 EQUIPMENT LAYOUT  
SCALE: 1/2"=1'-0" (FULL SIZE)  
1/4"=1'-0" (11x17)



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1 PARK PLACE PLACE  
DUBLIN, CA 94568

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VENUE

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805 RAIMUNDO WAY  
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NEW 49'-11" MONOPINE  
(NEW FACILITY)

ISSUED FOR:

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|-----|------------|------|-----------------------|----|
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| 1   | 07/18/2022 | MA   | 90% CONSTRUCTION DWGS | ML |
| 2   | 06/14/2023 | ES   | 90% CONSTRUCTION DWGS | BD |
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**LEAF COMMUNICATIONS**

**PRELIMINARY  
CONSTRUCTION  
DRAWINGS**

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SHEET TITLE:  
EQUIPMENT LAYOUT

SHEET NUMBER: **A-4** REVISION: **2**

NOTE:  
PROJECT SCOPE OF WORK DOES NOT INCLUDE A STRUCTURAL EVALUATION OF THIS POLE OR STRUCTURE. NEW EQUIPMENT SHOWN ON THIS PLAN HAVE NOT BEEN EVALUATED TO VERIFY THE POLE AND ITS FOUNDATION HAS THE CAPACITY TO ADEQUATELY SUPPORT THE EQUIPMENT. PRIOR TO ANY INSTALLATION, A STRUCTURAL EVALUATION OF THE POLE OR STRUCTURE SHOULD BE PERFORMED

**NOTICE**  
**POLE WORKERS**  
There is an antenna operation high on this pole. Please follow guidance on signs near the antenna or call the number below.

Site ID #  
CROWN CASTLE 888-632-0931 Rev. A

**CAUTION**

Keep Back 5 FT From this Antenna. FCC RF Public Exposure Limits May Be Exceeded Within This Distance. Call 888-632-0931 for Instructions.

Qualified Workers: FCC Occupational Limits May Be Exceeded Within This Distance. Site ID #

NOTE:  
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**CROWN CASTLE**

1 PARK PLACE PLACE  
DUBLIN, CA 94568

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SITE TYPE:  
NEW 49'-11" MONOPINE  
(NEW FACILITY)

ISSUED FOR:

| REV | DATE       | DRWN | DESCRIPTION           | QA |
|-----|------------|------|-----------------------|----|
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|     |            |      |                       |    |
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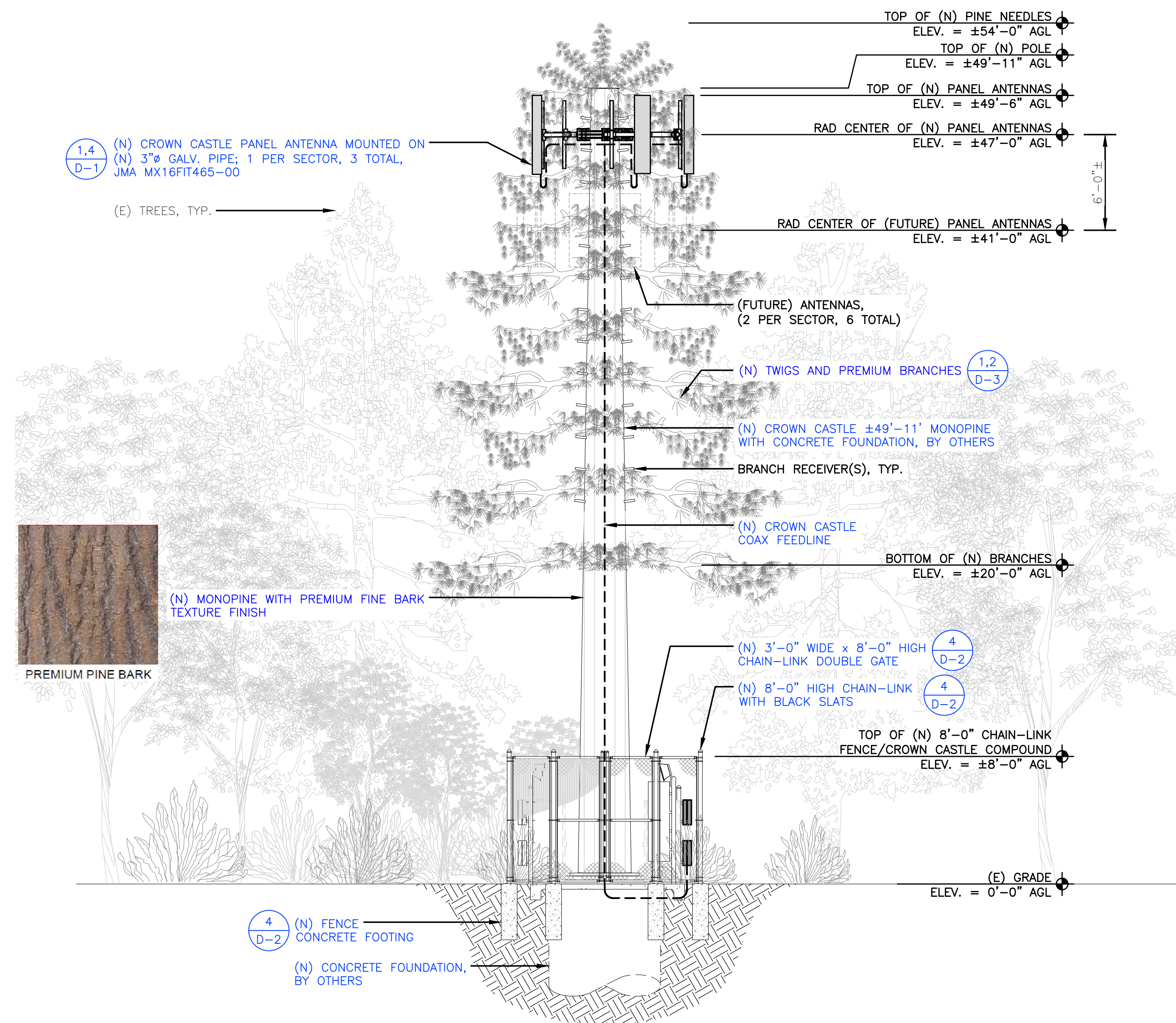
**LEAF COMMUNICATIONS**

**PRELIMINARY CONSTRUCTION DRAWINGS**

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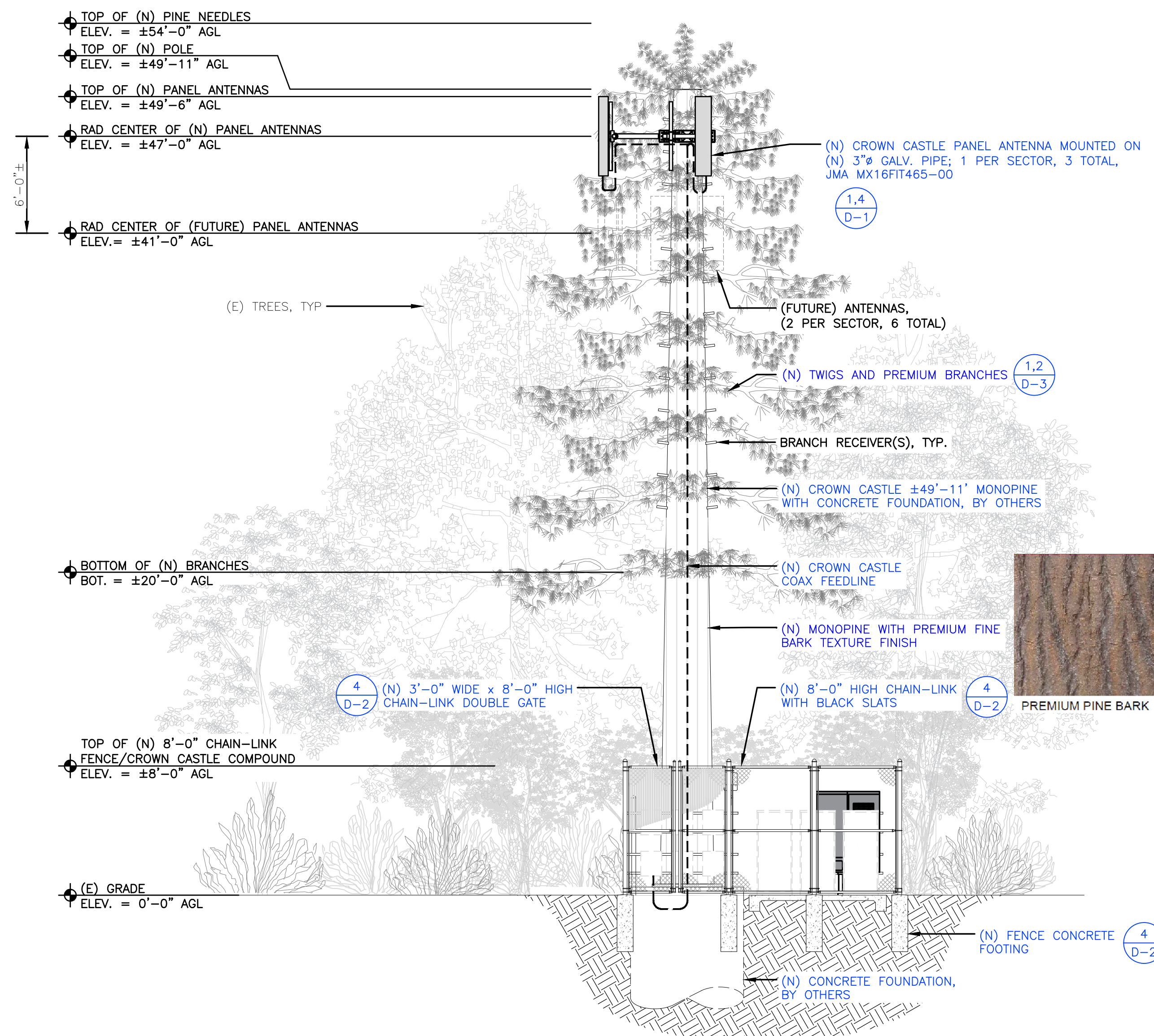
SHEET TITLE:  
ELEVATIONS

SHEET NUMBER: **A-5** REVISION: **2**



1 PROPOSED SOUTHEAST ELEVATION

SCALE: 3/16"=1'-0" (FULL SIZE)  
3/32"=1'-0" (11x17)



2 PROPOSED SOUTHWEST ELEVATION

SCALE: 3/16"=1'-0" (FULL SIZE)  
3/32"=1'-0" (11x17)









1 TWIGS  
SCALE: N.T.S



50' 3 BPF (Premium)

2 PREMIUM BRANCHES  
SCALE: N.T.S

### LARSON MONO-PINE BRANCHES PREMIUM

6 INNOVATORS OF CONCEALMENT SOLUTIONS

**CROWN CASTLE**  
1 PARK PLACE PLACE  
DUBLIN, CA 94568

**LEAF COMMUNICATIONS**  
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NEW 49'-11" MONOPINE  
(NEW FACILITY)

**ISSUED FOR:**

| REV | DATE       | DRWN | DESCRIPTION           | QA |
|-----|------------|------|-----------------------|----|
| 0   | 03/30/2022 | CT   | 90% CONSTRUCTION DWGS | CG |
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|     |            |      |                       |    |
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**LEAF COMMUNICATIONS**

**PRELIMINARY CONSTRUCTION DRAWINGS**

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SHEET TITLE:  
DETAILS

SHEET NUMBER: **D-3** REVISION: **2**

## STRUCTURAL NOTES

### A. STRUCTURAL DESIGN CRITERIA

- THE STRUCTURAL DESIGN HAS BEEN PERFORMED IN ACCORDANCE WITH THE 2022 CALIFORNIA BUILDING CODE (BUILDING CODE).
- LIVE LOADS
 

|               |        |
|---------------|--------|
| SLAB ON GRADE | 40 psf |
|---------------|--------|
- WIND DESIGN DATA
 

|                     |            |
|---------------------|------------|
| ULTIMATE WIND SPEED | V = 92 mph |
| RISK CATEGORY       | II         |
| EXPOSURE CATEGORY   | B          |
- SEISMIC DESIGN DATA
 

|                              |                         |
|------------------------------|-------------------------|
| RISK CATEGORY                | II                      |
| SEISMIC IMPORTANCE FACTOR    | I <sub>e</sub> = 1.0    |
| MAPPED SPECTRAL ACCELERATION | S <sub>s</sub> = 2.060  |
| MAPPED SPECTRAL ACCELERATION | S <sub>1</sub> = 0.737  |
| SITE CLASS                   | D                       |
| DESIGN SPECTRAL ACCELERATION | S <sub>05</sub> = 1.648 |
| DESIGN SPECTRAL ACCELERATION | S <sub>01</sub> = 0.835 |
| SEISMIC DESIGN CATEGORY      | D                       |

### B. GENERAL

- SPECIFIC NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- STRUCTURAL DRAWINGS SHALL NOT BE SCALED. COORDINATE DIMENSION, ELEVATION, SLOPE, AND DRAINAGE REQUIREMENTS WITH THE ARCHITECTURAL DRAWINGS.
- STANDARDS REFERENCED ON THE STRUCTURAL DRAWINGS REFER TO THE EDITION APPLICABLE UNDER THE APPLICABLE BUILDING CODE.
- THE RESPONSIBILITY FOR THE REVIEW AND COORDINATION OF DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF RELATED CONSTRUCTION SHALL BEAR ON THE CONTRACTOR. DISCREPANCIES THAT EXIST SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN A TIMELY MANNER, PRIOR TO START OF RELATED CONSTRUCTION.
- WORK PERFORMED IN CONFLICT WITH THE STRUCTURAL DRAWINGS OR APPLICABLE BUILDING CODE REQUIREMENTS SHALL BE CORRECTED AT THE EXPENSE OF THE CONTRACTOR.
- EXISTING CONDITIONS SHALL BE VERIFIED BEFORE STARTING RELATED WORK. EXISTING CONDITIONS THAT ARE NOT REFLECTED ON THE STRUCTURAL DRAWINGS OR THAT DEVIATE FROM THE MAXIMUM OR MINIMUM DIMENSIONS INDICATED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN A TIMELY MANNER. SUCH CONDITIONS MAY INCLUDE CONFLICT IN GRADES, ADVERSE SOIL CONDITIONS, PRESENCE OF GROUND WATER, UNCOVERED OR UNEXPECTED EXISTING CONSTRUCTION CONFIGURATIONS, ETC.
- MATERIALS AND WORKMANSHIP SHALL CONFORM TO REQUIREMENTS OF APPLICABLE REGULATIONS AND THE BUILDING CODE AS AMENDED AND ADOPTED BY THE BUILDING OFFICIAL.
- LOADS TO THE BUILDING AND/OR EXISTING STRUCTURES EXCEEDING THE LOADS INDICATED ON THE PLANS, OR ANY LOADS EXCEEDING 400 POUNDS THAT ARE NOT INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE REPORTED TO THE ENGINEER.

### C. TEMPORARY WORK AND SITE SAFETY

- THE STRUCTURAL DRAWINGS SHOW THE REQUIREMENTS FOR THE COMPLETED STRUCTURE ONLY. TEMPORARY WORKS REQUIRED TO COMPLETE THE CONSTRUCTION PROCESS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE DESIGN OR FIELD VERIFICATION OF TEMPORARY AND ANCILLARY WORK.
- THE RESPONSIBILITY FOR SAFETY IN AND AROUND THE JOBSITE SHALL BEAR ON THE CONTRACTOR. PROPER AND SAFE METHODS OF CONSTRUCTION SHALL BE EMPLOYED AT ALL TIMES INCLUDING THE STABILIZING OF INCOMPLETE STRUCTURES, FORMWORK, SHORING, RESHORING, FALSEWORK, PLATFORMS, SCAFFOLDING, BARRIERS, WALKWAYS, ETC. AND INCLUDING CONTROL OF THE INTENSITY, DURATION AND LOCATION OF CONSTRUCTION LOADS.
- THE RESPONSIBILITY FOR THE DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING, UNDERPINNING, AND SHORING REQUIRED TO SAFELY RETAIN ALL GRADES AND STRUCTURES SHALL BEAR ON THE CONTRACTOR.
- CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON A STRUCTURE. LOADS SHALL NOT EXCEED THE DESIGN LIVE LOAD INDICATED. WHERE THE STRUCTURE HAS NOT ATTAINED FINAL DESIGN STRENGTH, ADEQUATE SHORING AND OR BRACING SHALL BE INSTALLED.

### D. FOUNDATIONS

- A SOILS REPORT WAS NOT MADE AVAILABLE FOR THIS PROJECT.
- THE ENGINEER OF RECORD HAS CLASSIFIED THE UNDISTURBED NATIVE SOILS TO BE CLASS 5 MATERIAL. IN ACCORDANCE WITH TABLE 1806.2 OF THE BUILDING CODE, AN ALLOWABLE FOUNDATION BEARING PRESSURE OF 1,500 psf HAS BEEN ASSIGNED FOR THE DESIGN OF FOUNDATIONS RELATED TO THIS PROJECT.
- IF THE BUILDING OFFICIAL OR CONTRACTOR SUSPECTS FILL MATERIAL, EXPANSIVE SOIL OR GEOLOGIC INSTABILITY UPON OBSERVATION OF THE FOUNDATION EXCAVATIONS, A GEOLOGICAL INVESTIGATION REPORT AND CONSTRUCTION DRAWINGS THAT ARE COMPLIANT WITH THE RECOMMENDATIONS OF THAT GEOLOGICAL INVESTIGATION REPORT MAY BE REQUIRED TO BE SUBMITTED FOR REVIEW BY THE BUILDING OFFICIAL PRIOR TO CONSTRUCTION OF THE FOUNDATIONS.

### E. ROOFING AND WEATHERPROOFING

- THE CONTRACTOR SHALL GUARANTEE THE FINISHED INSTALLATION AS WEATHER TIGHT AND FREE-DRAINING UPON COMPLETION DIRECTLY TO THE BUILDING OWNER AND TO THE WIRELESS CARRIER.
- WORK DONE ON PROPRIETARY WEATHERPROOFING SYSTEMS SHALL BE COMPLETED BY INSTALLERS TRAINED BY A QUALIFIED REPRESENTATIVE

OF THE WEATHERPROOFING MANUFACTURER. TRAINING SHALL INCLUDE PROPER PROCEDURES AND TECHNIQUES FOR INSTALLATION.

- THE CONTRACTOR SHALL INVESTIGATE ALL WEATHERPROOFING REQUIREMENTS FOR THE WORK SHOWN ON THESE DRAWINGS PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY POTENTIAL WEATHERPROOFING ISSUES.

### F. REINFORCING STEEL

- DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL BE PERFORMED IN ACCORDANCE WITH ACI 318, "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT."
- REINFORCING BARS SHALL CONFORM TO ASTM A 615, GRADE 60, U.O.N.
- U.N.O., REINFORCING BAR LAP SPLICES SHALL BE:
 

|                                |   |
|--------------------------------|---|
| NW & LW CONCRETE MASONRY (CMU) | CLASS B (18" MIN) 64 BAR DIA. (24" MIN) |
|--------------------------------|---|
- DETAILS OF REINFORCEMENT SHALL COMPLY WITH THE PROVISIONS OF ACI 318.
- WHERE HOOKS ARE ILLUSTRATED AS 90-DEGREE HOOKS, 180-DEGREE HOOKS MAY BE USED IN LIEU OF 90-DEGREE HOOKS.
- REINFORCING BARS FOR CONCRETE SHALL BE PROVIDED WITH THE FOLLOWING MINIMUM COVER:
 

|  |        |
|--|--------|
| CONCRETE CAST AGAINST EARTH                | 3"     |
| FORMED CONCRETE EXPOSED TO EARTH / WEATHER |        |
| #5 OR SMALLER                              | 1 1/2" |
| #6 OR LARGER                               | 2"     |
| SLABS (#11 AND SMALLER)                    | 3/4"   |
- VERTICAL WALL BARS SHALL BE ACCURATELY POSITIONED AND SECURED AT THE CENTER OF THE WALL, U.N.O.

### G. REINFORCED CONCRETE

- CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19 OF THE BUILDING CODE AND TO THE PROVISIONS OF ACI 318.
- THE STRUCTURAL DESIGN OF FOOTINGS SHOWN ON THESE DRAWINGS IS BASED ON A SPECIFIED COMPRESSIVE STRENGTH,  $f'_c$ , NOT MORE THAN 2,500 psi.
- WATER MAY BE ADDED TO CONCRETE ON-SITE TO OBTAIN SPECIFIED SLUMPS PROVIDED THAT IT IS ADDED WITHIN ONE HOUR OF BATCHING AND SITE-ADDED WATER IS SPECIFIED ON THE BATCH REPORT. SITE-ADDED WATER SHALL NOT COMPROMISE THE STRENGTH OR SLUMP OF THE CONCRETE.
- CONCRETE SHALL NOT BE PLACED BEYOND 1-1/2 HOURS FOLLOWING BATCHING.
- PROJECTING CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 3/4" CHAMFER U.O.N.
- WHERE CONCRETE IS PLACED AGAINST EXISTING CONCRETE SURFACES, THE EXISTING CONCRETE SURFACES SHALL BE THOROUGHLY CLEANED AND ROUGHENED TO A MINIMUM AMPLITUDE OF 1/4-INCH. A CONCRETE BONDING AGENT SHALL BE APPLIED TO THE EXISTING CONCRETE SURFACE.
- READY MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C 94.
- CEMENT SHALL CONFORM TO ASTM C 150 TYPE I OR II, LOW ALKALI.
- FLYASH SHALL CONFORM TO ASTM C 618, CLASS F. FLYASH SHALL BE LIMITED TO NO MORE THAN 20% OF THE TOTAL WEIGHT OF CEMENTITIOUS MATERIALS IN THE CONCRETE, U.O.N.
- AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C 33.
- NORMAL WEIGHT CONCRETE SHALL HAVE A MAXIMUM DRY DENSITY OF 150 pcf.
- MINIMUM CONCRETE COMPRESSIVE STRENGTHS AT 28 DAYS, MAXIMUM SLUMPS, AND MAXIMUM WATER/CEMENT RATIOS SHALL BE AS FOLLOWS:
 

| DESCRIPTION         | MIN 28 DAY $f'_c$ | SLUMP     | MAX W/C RATIO |
|---------------------|-------------------|-----------|---------------|
| SHALLOW FOUNDATIONS | 3,500 psi         | 4" +/- 1" | 0.52          |
| SLABS ON GRADE      | 3,000 psi         | 4" +/- 1" | 0.45          |
- SLUMPS INDICATED ARE PRIOR TO PLASTICIZER ADDITIVES.
- CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.

### H. WELDING

- WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH THE PROVISIONS OF THE AMERICAN WELDING SOCIETY (AWS) D1.1. ELECTRODE FILLER MATERIAL SHALL BE A MINIMUM OF E70XX U.N.O.
- SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH SECTIONS 1704 AND 1705 OF THE BUILDING CODE AND THE "STATEMENT OF SPECIAL INSPECTIONS" ON THESE CONSTRUCTION DOCUMENTS.
- WELDING ELECTRODES FOR THE SHIELDED METAL-ARC WELDING (S.M.A.W.) PROCESS AND WELDING ELECTRODES SHALL CONFORM TO AWS A5.1 "SPECIFICATION FOR CARBON STEEL ELECTRODES FOR SHIELDED METAL ARC WELDING."
- WELDING ELECTRODES FOR THE FLUX CORED ARC WELDING (F.C.A.W.) PROCESS AND WELDING ELECTRODES SHALL CONFORM TO AWS A5.20 "SPECIFICATION FOR CARBON STEEL ELECTRODES FOR FLUX CORED ARC WELDING."
- WELDS SHALL HAVE A WELD CONTROLLED SEQUENCE AND TECHNIQUE IN ORDER TO MINIMIZE SHRINKAGE STRESSES AND DISTORTION.

### I. STRUCTURAL STEEL

- STRUCTURAL STEEL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 22 OF THE BUILDING CODE, AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

- SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH SECTIONS 1704 AND 1705 OF THE BUILDING CODE AND THE "STATEMENT OF SPECIAL INSPECTIONS" ON THESE CONSTRUCTION DOCUMENTS.
- STRUCTURAL STEEL STRENGTHS AND GRADES SHALL BE AS FOLLOWS, U.N.O.

| DESCRIPTION                | F <sub>y</sub> | ASTM      |
|----------------------------|----------------|-----------|
| ANGLES, CHANNELS, & PLATES | 36 ksi         | A36       |
| PIPE                       | 35 ksi         | A53 GR B  |
| ROUND HSS                  | 42 ksi         | A500 GR B |
| SQUARE AND RECTANGULAR HSS | 46 ksi         | A500 GR B |
| W SHAPES                   | 50 ksi         | A992      |

- THREADED RODS SHALL CONFORM TO ASTM F1554 GR 55, UNO. NUTS FOR ANCHOR RODS SHALL CONFORM TO ASTM A563, GR A HEX. WHERE ANCHOR ROD DIAMETER IS GREATER THAN 1 1/2" NUTS SHALL BE HEAVY HEX.
- BOLTS SHALL CONFIRM TO ASTM A325N. OTHER BOLTS SHALL CONFORM TO ASTM A307 WHERE NOTED. NUTS FOR HIGH STRENGTH BOLTS SHALL BE HEAVY HEX GRADE C CONFORMING TO ASTM A 563.
- TIGHTEN ASTM A325N BOLTS TO "SNUG-TIGHT" CONDITION PER AISC SPECIFICATION FOR STRUCTURAL JOINTS.
- EXTERIOR STRUCTURAL STEEL PERMANENTLY EXPOSED TO THE WEATHER SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A 123, G60. GALVANIZED SURFACES DAMAGED BY SUBSEQUENT WELDING AND OTHER WORK SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A 780.

### J. POST-INSTALLED EXPANSION ANCHORS

- SPECIAL INSPECTION AND TESTING IS REQUIRED IN ACCORDANCE WITH SECTIONS 1704 AND 1705 OF THE BUILDING CODE AND THE "STATEMENT OF SPECIAL INSPECTIONS" ON THESE CONSTRUCTION DOCUMENTS.
- POST-INSTALLED EXPANSION ANCHORS SHALL BE AS FOLLOWS, U.N.O.
 

| MATERIAL          | ANCHOR                  |
|-------------------|-------------------------|
| NW & LW CONCRETE  | HILTI KB-T22 (ESR-4266) |
| SOLID GROUTED CMU | HILTI KB-T22 (ESR-4561) |
- ANCHORS SHALL BE OF THE TYPE, DIAMETER, AND MINIMUM DIMENSIONAL REQUIREMENTS (EMBEDMENT, SPACING, AND EDGE DISTANCE) AS INDICATED ON THE DRAWINGS.
- ANCHORS SHALL BE INSTALLED IN HOLES DRILLED WITH DRILLING EQUIPMENT OF THE TYPE REQUIRED IN THE MANUFACTURER'S PUBLISHED EVALUATION REPORT. HOLES SHALL BE CLEANED IN CONFORMANCE WITH THE ANCHOR MANUFACTURER'S INSTRUCTIONS.
- WHEN INSTALLING ANCHORS IN EXISTING REINFORCED CONCRETE OR MASONRY, AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS.
- WHEN INSTALLING ANCHORS INTO PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. AVOID CUTTING OR DAMAGING THE TENDONS.

## STRUCTURAL ABBREVIATIONS

THE STRUCTURAL DRAWINGS MAY INCLUDE THE FOLLOWING STANDARD ABBREVIATIONS:

|       |                            |
|-------|----------------------------|
| (E)   | EXISTING                   |
| (N)   | NEW                        |
| (P)   | PROPOSED                   |
| B.N.  | BOUNDARY NAILING           |
| BLDG  | BUILDING                   |
| BM    | BEAM                       |
| BOTT  | BOTTOM                     |
| BRG   | BEARING                    |
| CFS   | COLD-FORMED STEEL          |
| CJP   | COMPLETE JOINT PENETRATION |
| CL    | CENTERLINE                 |
| CLR   | CLEAR                      |
| CMU   | CONCRETE MASONRY UNIT      |
| COL   | COLUMN                     |
| CONC  | CONCRETE                   |
| CONN  | CONNECTION                 |
| CONT  | CONTINUOUS                 |
| CTR   | CENTER                     |
| CTSK  | COUNTERSUNK                |
| DBL   | DOUBLE                     |
| Do    | DITTO/DO OVER              |
| E.N.  | EDGE NAILING               |
| EA    | EACH                       |
| EQUIP | EQUIPMENT                  |
| F.N.  | FIELD NAILING              |
| FRP   | FIBER-REINFORCED POLYMER   |
| FTG   | FOOTING                    |
| GALV  | GALVANIZED                 |
| GLB   | GLULAM BEAM / MEMBER       |
| HGR   | HANGER                     |
| HORIZ | HORIZONTAL                 |
| HSS   | HOLLOW STEEL SECTION       |
| INT   | INTERIOR                   |
| k     | KIP(S) = 1,000 lb          |
| lb    | POUND(S)                   |
| MFR   | MANUFACTURER               |
| MTL   | METAL                      |
| O.D.  | OUTSIDE DIAMETER           |
| O.H.  | OPPOSITE HAND / MIRROR     |
| OC    | ON CENTER                  |
| PL    | PLATE                      |
| psf   | POUNDS PER SQUARE FOOT     |
| P-T   | POST-TENSIONED             |
| REINF | REINFORCEMENT              |
| PSL   | PARALLEL STRAND LUMBER     |
| REQ'D | REQUIRED                   |

|       |                        |
|-------|------------------------|
| SHTG  | SHEATHING              |
| SMS   | SHEET METAL SCREW      |
| SQ    | SQUARE                 |
| STIFF | STIFFENER              |
| STL   | STEEL                  |
| T&B   | TOP & BOTTOM           |
| T&G   | TONGUE & GROOVE        |
| THK   | THICK                  |
| TPL   | TRIPLE                 |
| TYP   | TYPICAL                |
| UNO   | UNLESS NOTED OTHERWISE |
| VERT  | VERTICAL               |
| VIF   | VERIFY IN FIELD        |
| W/    | WITH                   |

## SPECIAL INSPECTION AND TESTING PROGRAM

### A. GENERAL

- NOTICE TO THE APPLICANT, OWNER, OWNER'S AGENT, ARCHITECT OR ENGINEER OF RECORD:** BY USING THESE PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION OR INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE BUILDING OFFICIAL FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND AS REQUIRED BY CONSTRUCTION CODES.
- NOTICE TO THE CONTRACTOR, BUILDER, INSTALLER, SUBCONTRACTOR OR OWNER-BUILDER:** BY USING THESE PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION OR INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU ACKNOWLEDGE THAT YOU ARE AWARE OF THE REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS. YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE BUILDING OFFICIAL FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND AS REQUIRED BY CONSTRUCTION CODES.
- THE OWNER OR OWNER'S AGENT, OTHER THAN THE CONTRACTOR, SHALL EMPLOY SPECIAL INSPECTION AND TESTING AGENCIES TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS.
- SPECIAL INSPECTION SHALL BE PERFORMED IN ADDITION TO INSPECTION BY THE BUILDING OFFICIAL AS REQUIRED IN SECTION 110 OF THE BUILDING CODE. SPECIAL INSPECTION SHALL NOT BE A SUBSTITUTE FOR INSPECTION BY THE BUILDING OFFICIAL.
- WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION OR TESTING IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE OBSERVED IN ACCORDANCE WITH THE STATEMENT OF SPECIAL INSPECTIONS AND SECTION 1704 OF THE BUILDING CODE, IT SHALL BE THE SPECIAL INSPECTION AGENCY'S RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF INSPECTORS TO ASSURE THAT THE REQUIRED WORK IS INSPECTED.
- THE SPECIAL INSPECTION AGENCY SHALL BE APPROVED BY THE BUILDING OFFICIAL FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. EXCEPTIONS:
  - WHEN THIS REQUIREMENT FOR AGENCY APPROVAL IS WAIVED BY THE BUILDING OFFICIAL.
- THE CONSTRUCTION MATERIALS TESTING AGENCY SHALL BE APPROVED BY THE BUILDING OFFICIAL FOR THE TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND EQUIPMENT.
- PRIOR TO THE START OF CONSTRUCTION, THE SPECIAL INSPECTION AND TESTING AGENCIES SHALL SUBMIT DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING THE COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING OF THE SPECIAL INSPECTORS WHO WILL PERFORM THE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION.
- EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN WIND- OR SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR WIND- OR SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A STATEMENT OF RESPONSIBILITY TO THE OWNER (OR OWNER'S DESIGNATED AGENT) AND BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND TESTING.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SPECIAL INSPECTION OR TESTING AGENCIES AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.
- WORK REQUIRING SPECIAL INSPECTION OR TESTING THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL IS SUBJECT TO REMOVAL OR EXPOSURE AT THE CONTRACTOR'S EXPENSE.

### B. REQUIRED REPORTS:

- THE SPECIAL INSPECTION AGENCY SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
- SPECIAL INSPECTION REPORTS SHALL INDICATE WHETHER THE WORK INSPECTED WAS, OR WAS NOT PERFORMED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
- THE CONSTRUCTION MATERIALS TESTING AGENCY SHALL FURNISH REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.

- MATERIAL TESTING REPORTS SHALL INDICATE WHETHER THE TESTED MATERIALS CONFORM, OR DO NOT CONFORM, TO THE REQUIREMENTS OF THE APPROVED CONSTRUCTION DOCUMENTS.
- DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION.
- IF DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF WORK.
- A FINAL REPORT DOCUMENTING THE REQUIRED SPECIAL INSPECTIONS, MATERIAL TESTING AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON, PRIOR TO THE START OF WORK, BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL.

### C. CONTINUOUS AND PERIODIC SPECIAL INSPECTIONS:

- WHERE CONTINUOUS SPECIAL INSPECTION IS REQUIRED, THE SPECIAL INSPECTOR SHALL CONTINUOUSLY PROVIDE FULL-TIME INSPECTION OF THE WORK.
- WHERE PERIODIC SPECIAL INSPECTION IS REQUIRED, THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING THE WORK WHERE PERIODIC INSPECTION IS INDICATED. AS A MINIMUM, PERIODIC SPECIAL INSPECTION SHALL OCCUR DAILY.

### D. OFF-SITE FABRICATION:

- SPECIAL INSPECTION AND TESTING IS REQUIRED FOR THE OFF-SITE FABRICATION OF STRUCTURAL LOAD-BEARING OR LATERAL LOAD RESISTING MEMBERS AND REINFORCING ASSEMBLIES, UNLESS THE FABRICATION IS PERFORMED BY AN APPROVED FABRICATOR.
- AN APPLICATION FOR OFF-SITE FABRICATION MUST BE SUBMITTED TO THE BUILDING OFFICIAL FOR APPROVAL PRIOR TO COMMENCING ANY FABRICATION WORK REQUIRING SPECIAL INSPECTION OR TESTING.
- A CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION MUST BE SUBMITTED BY THE FABRICATOR TO THE SPECIAL INSPECTION OR TESTING AGENCY PRIOR TO FABRICATION, AND SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO ERECTION OF PREFABRICATED COMPONENTS.
- SPECIAL INSPECTION SHALL INCLUDE VERIFICATION THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
- SPECIAL INSPECTION SHALL INCLUDE REVIEW OF THE PROCEDURES FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE REQUIREMENTS OF THE BUILDING CODE.

## STATEMENT OF SPECIAL INSPECTIONS AND TESTING

| DESCRIPTION OF TYPE OF INSPECTION REQUIRED | CONTINUOUS | PERIODIC | FOOT-NOTE |
|--|------------|----------|-----------|
| POST-INSTALLED ANCHORS                     |            |          |           |
| INSTALLATION OF EXPANSION ANCHORS          |            | X        | 1         |

### FOOTNOTES FOR STATEMENT OF SPECIAL INSPECTIONS

- SPECIAL INSPECTION FOR POST-INSTALLED ANCHORS SHALL COMPLY WITH THE REQUIREMENTS SPECIFIED IN THE EVALUATION APPROVAL FOR THE SPECIFIC PRODUCT.



1000 CALLE CORDILLERA  
SAN CLEMENTE, CA 92673  
WWW.LEAFCOMM.COM  
TEL: (949) 388-0192

SITE NAME:  
STANFORD RAN 32 /  
VENUE

SITE ADDRESS:  
805 RAIMUNDO WAY  
STANFORD, CA 94305

SITE TYPE:  
NEW 49'-11" MONOPINE  
(NEW FACILITY)

### ISSUED FOR:

| REV | DATE       | DRWN | DESCRIPTION           | QA |
|-----|------------|------|-----------------------|----|
| 0   | 03/30/2022 | CT   | 90% CONSTRUCTION DWGS | CG |
| 1   | 07/18/2022 | MA   | 90% CONSTRUCTION DWGS | ML |
| 2   | 06/14/2023 | ES   | 90% CONSTRUCTION DWGS | BD |
|     |            |      |                       |    |
|     |            |      |                       |    |
|     |            |      |                       |    |
|     |            |      |                       |    |
|     |            |      |                       |    |
|     |            |      |                       |    |
|     |            |      |                       |    |



PRELIMINARY  
CONSTRUCTION  
DRAWINGS

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET TITLE:  
STRUCTURAL NOTES &  
SPECIAL INSPECTION

SHEET NUMBER: S-1 REVISION: 2