

**Before the Zoning Administrator
in and for the County of Monterey, State of California**

In the matter of the application of:

CALTRANS (AT&T) (PLN170058)

RESOLUTION NO. 17 - 029

Resolution by the Monterey County Zoning
Administrator:

- 1) Finding the project exempt from CEQA per Section 15301 of the CEQA Guidelines; and
- 2) Approving a Design Approval to allow replacement of two (2) panel antennas and one (1) conduit riser; installation of one (1) pole riser, two (2) H-Frame (bracket), two (2) Remote Radio Units, one (1) cabinet, and 6-foot high wood fence to an existing wireless communications facility.

[State Route 1 and Riley Ranch Road, within the State Route 1 (Highway 1) right-of-way, Carmel Area Land Use Plan (APN: 000-000-000-000)]

The Caltrans (AT&T) application (PLN170058) came on for a public hearing before the Monterey County Zoning Administrator on May 11, 2017. Having considered all the written and documentary evidence, the administrative record, the staff report, oral testimony, and other evidence presented, the Zoning Administrator finds and decides as follows:

FINDINGS

- 1. FINDING:** **CONSISTENCY / HEALTH AND SAFETY / NO VIOLATIONS / SITE SUITABILITY / DESIGN** - The proposed project and/or use, as conditioned, is consistent with the policies of the Carmel Area Land Use Plan (LUP) and other County health, safety, and welfare ordinances related to land use development. The site is physically suitable for the development proposed, and no violations exist on the property. The design of the proposed project assures protection of the public viewshed, is consistent with neighborhood character, and assures visual integrity without imposing undue restrictions on private property.
- EVIDENCE:**
 - a) AT&T proposes minor equipment additions and upgrades, including replacement of existing equipment and installation of an equipment enclosure with a 6-foot high wood fence, to an existing wireless communications facility. As proposed, the two 4-foot panel antennas on the utility pole would be replaced with two 6-foot panel antennas. The project also includes replacement of 1 conduit riser, and installation of 1 pole riser, H-Frame brackets, Remote Radio Units, cabinet, and an equipment enclosure with a 6-foot high wood fence.
 - b) The existing wireless facility/project site is located within the Caltrans right-of-way on State Route 1 (Highway 1) across from Riley Ranch Road, Carmel (Assessor's Parcel Number 000-000-000-

000), Carmel Area Land Use Plan, Coastal Zone. The project site area does not have a zoning classification (i.e., unclassified).

- c) The County approved the existing wireless communications facility in 2003 (Board of Supervisors Resolution No. 03-179; RMA-Planning File No. DA020480), and the County has approved subsequent modifications to the site (RMA-Planning File No. DA080285). Applicable conditions of approval from DA020480 are incorporated herein by reference.
- d) No conflicts were found to exist. The County received communications from interested members of the public during the course of project review indicating inconsistencies with the text, policies, and regulations in the applicable plans and Monterey County Code (MCC); however, the County finds that the project is consistent with the text, policies, and regulations in the applicable documents.
- e) Pursuant to MCC, administrative Design Approvals are considered and determined by the Director of Planning, unless an interested party requests a public hearing for the proposed project. After noticing for administrative review, the County received two requests for public hearing (attached as Exhibit D to the April 27, 2017, staff report to the Zoning Administrator). Therefore, this item was set for public hearing and consideration before the Zoning Administrator.
- f) The concerns expressed by the public involve possible impacts to visual resources, safety, and noise. These concerns are addressed below in Evidences g, h, and i.
- g) Noise. The commenter expressed concern regarding existing and potential noise from the proposed development. The existing ground equipment does generate a “buzzing” sound that remains audible up to approximately 15 feet from the equipment. Beyond 15 feet, the sound generated from the ground equipment is obscured by wind and vehicle traffic on Highway 1. The facility is surrounded by open space parkland and rural residential uses, and the nearest residence is over 200 feet from the facility. The proposed fence enclosure would further attenuate any noise generated from the ground equipment. See also Finding No. 2, Evidence c.
- h) Safety. The commenter expressed concern regarding radiation levels from the facility, and stated the posted signs warn of “...unacceptable levels of (FCC) non-compliant radiation.” The project planner conducted a site inspection on March 30, 2017, and determined the facility signage regarding emissions are precautionary warning signs posted at all regulated wireless sites as required by federal law, and are not posted at this site due to unusual circumstances. The Applicant submitted an Electromagnetic Energy Exposure Report (LIB170125), which indicated that this facility is compliant with applicable requirements and guidelines of the Federal Communications Commission (FCC). Regarding lateral access, the subject utility pole and equipment are approximately 14 to 17 feet from the edge of pavement, and approximately 17 to 20 feet from the southbound lane of travel on Highway 1; therefore, adequate space remains for bicycle and pedestrian access and travel along the highway without risking radiation exposure from the facility. See

also Finding No. 1, Evidence m; Finding No. 2, Evidence d; and Finding No. 5, Evidence b.

i) Visual Resources/Viewshed. The commenter expressed concern regarding potential visual impacts to the surrounding viewshed, and recommended the distribution poles be removed and transmission cables be buried from Monastery Beach to Riley Ranch Road to improve the viewshed. The commenter asserted this is a “long-standing community request”.

The project would involve minor equipment changes to an existing facility visible within the viewshed and common public viewing area of Highway 1. The site’s existing ground equipment consists of several cabinets mounted on a large H-Frame bracket which is unscreened from the traveling public on Highway 1. The proposed 6-foot high fence enclosure would screen both existing and new ground equipment from view, and the natural wood material would blend with the surrounding environment of trees and vegetation. The project planner conducted a site inspection on March 30, 2017, to evaluate the visual impacts of the existing development, and to verify that the proposed project minimizes development within the public viewshed when viewed from a common public viewing area. The proposed natural wood enclosure would improve the visual setting, and the replaced and new pole-mounted equipment would not create a significant adverse visual impact. The County finds that the project, as proposed, is consistent with applicable policies of the Carmel Area LUP regarding Visual Resources, minimizes visual impacts, and assures protection of the public viewshed. See also Finding No. 2, Evidences a and b; Finding No. 3 and supporting evidence; Finding No. 4, Evidence d; and Finding No. 5, Evidence e.

Although the County encourages re-routing and/or undergrounding of transmission lines (Carmel Area LUP Policy 2.2.4.11), the comment regarding removal of distribution poles and burying of transmission lines from Monastery Beach to Riley Ranch Road is outside the scope of the subject project and the immediate purview of Monterey County.

j) Design. Pursuant to MCC Chapter 20.44, the proposed project site and surrounding area are designated as a Design Control Zoning District (“D” zoning overlay), which regulates the location, size, configuration, materials, and colors of structures and fences to assure the protection of the public viewshed and neighborhood character. The Applicant proposes to paint the pole-mounted equipment dark brown to match the existing equipment and blend with the utility pole. The ground equipment would be screened by natural wood fencing that would blend with background trees and vegetation. The proposed exterior finishes would blend with the surrounding environment. As proposed, the project assures protection of the public viewshed, is consistent with neighborhood character, and assures visual integrity. See also Finding No. 3 and supporting evidence.

- k) **Cultural Resources.** The project site is within an area of high sensitivity for prehistoric cultural resources; however, the entire project site has been disturbed by previous hardscape development, and there is no evidence that any cultural resources would be disturbed (Carmel Area Land Use Plan Policy 2.8.2). The potential for inadvertent impacts to cultural resources is limited and will be controlled by application of the County's standard project condition (Condition No. 3) which requires the contractor to stop work if previously unidentified resources are discovered.
- l) The project has been reviewed for site suitability by RMA-Planning. The project planner reviewed the application materials and plans, as well as the County's GIS database, to verify that the proposed project on the subject site conforms to the applicable plans, and that the site is suitable for the proposed development. The project will not have an adverse effect on the health, safety, and welfare of persons either residing or working in the neighborhood.
- m) The following technical report has been prepared:
 - Electromagnetic Energy Exposure Report (LIB170125), prepared by OSC Engineering, Inc., San Diego, California, February 10, 2017.
 County staff has independently reviewed this report and concurs with its conclusions.
- n) Monterey County RMA-Planning and RMA-Building Services records were reviewed, and the County is not aware of any violations existing on subject property.
- o) Pursuant to the LUAC Procedure Guidelines adopted by the Monterey County Board of Supervisors, administrative (i.e., projects not requiring a public hearing) design approvals are not normally sent to the LUACs for review. However, due to the requests for a public hearing, the project was referred to the Carmel Unincorporated/HIGHLANDS Land Use Advisory Committee (LUAC) for review. The LUAC reviewed the proposed project at a duly-noticed public meeting on April 17, 2017, and voted 3 – 0 to recommend approval provided the enclosure fence be natural wood and no more than 6 feet in height. Both these recommendations have been proposed by the Applicant.
- p) The application, plans, and supporting materials submitted by the project applicant to Monterey County RMA-Planning for the proposed development found in project file PLN170058.

2. FINDING:

WIRELESS COMMUNICATION FACILITIES – The proposed changes to the existing wireless communications facility will not significantly affect any designated public viewing area, scenic corridor or any identified environmentally sensitive area or resources. The site is adequate for the proposed development, and the applicant has demonstrated that it is the most adequate for the provision of services as required by the Federal Communications Commission. The proposed upgrades to the wireless communication facility comply with all the applicable requirements of Monterey County Code (MCC) Section 20.64.310. The subject site on which the wireless communication facility is built is in compliance with all

rules and regulations pertaining to zoning uses, subdivisions and any other provisions of Title 20. The existing telecommunication facility does not create a hazard for aircraft in flight.

EVIDENCE:

- a) The proposed project consists of the replacement of existing equipment, and installation of new equipment and an enclosure, to an existing wireless communications facility. As proposed, the project will not result in a significant increase of the development footprint, and will not result in visual impacts or ridgeline development. See also Finding Nos. 1, 3, 4, and 5, and supporting evidence.
- b) Pursuant to the requirements in MCC Section 20.64.310, the County analyzed potential visual impacts which could result from the changes to the facility, and finds that the proposed facility upgrades, although visible from Highway 1 and common public viewing areas, would not significantly affect any designated public viewing area or scenic corridor. Additionally, conditions from the originating entitlement have been incorporated by reference that would reduce the visual impacts in the event of technological advances, and require removal and restoration of the site in case of termination of use. See also Finding No. 3 and supporting evidence, and Finding No. 5, Evidence e.
- c) Noise. Noise is an existing impact. Sources of noise in the immediate project vicinity include vehicle traffic on Highway 1, wind, and facility ground equipment. The facility is surrounded by open space parkland and rural residential uses, and the nearest residence is over 200 feet from the facility.

The project planner conducted a site inspection on March 30, 2017, to evaluate the noise impacts of the existing development. Noise from the existing ground equipment is minimal, and audible up to approximately 15 feet from the facility. Beyond 15 feet, the sound generated from the ground equipment is obscured by wind and vehicle traffic. The ground equipment does not produce noise levels that exceed Monterey County noise exposure limits, and noise mitigation measures are not warranted. In addition, the proposed enclosure would further attenuate any noise generated from the existing or proposed ground equipment. See also Finding No. 1, Evidence g.

- d) Safety (Electromagnetic Radiation Emissions). This is also an existing impact. The Applicant submitted an Electromagnetic Energy Exposure Report (LIB170125) (see also Finding No. 1, Evidence m). The report indicated that this facility is compliant with applicable requirements and guidelines of the Federal Communications Commission (FCC), and that there are no physical or environmental impacts resulting from radio frequency emissions that would be detrimental to public health and safety. The facility signage regarding emissions are precautionary warning signs posted as required by federal law. See also Finding No. 1, Evidence h.
- e) The project is consistent with MCC Chapter 20.85, Airport Approach Zoning, and does not require review by the Monterey County Airport Land Use Commission.

f) The project does not penetrate a FAR Part 77 Imaginary Surface. The project site is located approximately 6.3 miles from the Monterey Peninsula Airport, the nearest airport. If deemed necessary by the FCC, warning lights would be located on top of the structure to prevent conflict with any aircraft when visibility is limited.

3. FINDING:

VIEWSHED DEVELOPMENT – The subject project minimizes development within the viewshed in accordance with the applicable goals and policies of the Carmel Area Land Use Plan (LUP) and Monterey County Zoning Ordinance (Title 20), and will not create a substantially adverse visual impact when viewed from a common public viewing area.

EVIDENCE:

- a) Visual Resource policies of the LUP are designed to protect the public viewshed, which is defined as areas visible from major public use areas including Highway 1 and Point Lobos State Reserve (LUP Map A, General Viewshed). Development visible from these areas is regulated to ensure minimum visual impact based on the visual policies. The overriding Key Policy for Visual Resources (Policy 2.2.2) states that “all future development within the viewshed must harmonize and be clearly subordinate to the natural scenic character of the area” and that it “must conform to the basic viewshed policy of minimum visibility.” Specific policies include minimizing visibility and using appropriate materials to screen development. Private views are not protected under the Carmel Area LUP or applicable MCC.
- b) The project includes development visible within the Highway 1 viewshed. The existing pole and ground mounted equipment is already visible within the common public viewing area of Highway 1. The Applicant proposes to replace the pole-mounted panel antennas and add small relay units below the panel antennas. When mounted, the panel antennas would not extend above the height of the utility pole, which is lower than the height of a large tree in the immediate background. Also, the existing and additional ground equipment would be placed within an enclosure surrounded by natural wood fencing.
- c) The project planner conducted a site inspection on March 30, 2017, to evaluate the visual impacts of the existing development, and to verify that the proposed project minimizes development within the public viewshed when viewed from a common public viewing area.
- d) The replaced and new pole-mounted equipment would not create a significant adverse visual impact. In addition, the proposed enclosure would screen both existing and new ground equipment from view, thereby improving the visual setting, as well as attenuating any sound generated from the ground equipment. Per LUP Policy 2.2.3.6, the proposed fencing would be subordinate to and blend into the environment, using appropriate exterior materials of natural wood. Also, due to trees in the background, the proposed project would not visually obstruct views from a common public viewing area.
- e) The project, as proposed, is consistent with applicable policies of the Carmel Area LUP regarding Visual Resources (Chapter 2.2), and minimizes visual impacts on the highly sensitive viewshed. As

proposed, the project will not create a substantially adverse visual impact when viewed from a common public viewing area.

f) See also Finding No. 1, Evidence i; Finding No. 2, Evidences a and b; Finding No. 4, Evidence d; and Finding No. 5, Evidence e.

4. FINDING: **CEQA (Exempt):** - The project is categorically exempt from environmental review and no unusual circumstances were identified to exist for the proposed project.

EVIDENCE:

- a) California Environmental Quality Act (CEQA) Guidelines Section 15301 categorically exempts the minor alteration of existing public or private structures and facilities involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination.
- b) The proposed project consists of the replacement of existing equipment, and installation of new equipment and enclosure, to an existing wireless communications facility. Therefore, the proposed development is consistent with CEQA Guidelines Section 15301.
- c) None of the exceptions under CEQA Guidelines Section 15300.2 apply to this project. The project does not involve a designated historical resource, a hazardous waste site, unusual circumstances that would result in a significant effect, or development that would result in a cumulative significant impact.
- d) The proposed project involves development located near or within view of State Route 1 (Highway 1), a designated scenic highway. However, as proposed, the project would not result in damage to scenic resources such as trees, historic buildings, rock outcroppings, or similar resources as described in CEQA Guidelines Section 15300.2. Furthermore, the proposed installation of wood fencing would screen the ground equipment, thereby improving the scenic quality of the vicinity surrounding the facility.
- e) No adverse environmental effects were identified during staff review of the development application, nor during a site visit on March 30, 2017.

5. FINDING: **PUBLIC ACCESS** – The project is in conformance with the public access and recreation policies of the Coastal Act (specifically Chapter 3 of the Coastal Act of 1976, commencing with Section 30200 of the Public Resources Code) and applicable Local Coastal Program, and does not interfere with any form of historic public use or trust rights.

EVIDENCE:

- a) No access is required as part of the project as no substantial adverse impact on access, either individually or cumulatively, as described in Section 20.146.130 of the Monterey County Coastal Implementation Plan can be demonstrated.
- b) The subject site is not described as an area where the applicable Local Coastal Program requires public access (Figure 3, Public Access, in the Carmel Area Land Use Plan), and lateral access would not be obstructed along State Route 1 (Highway 1). The subject utility pole and equipment are approximately 14 to 17 feet from the edge of pavement, and approximately 17 to 20 feet from the southbound lane of travel on Highway 1; therefore, adequate space remains for bicycle and pedestrian access and travel along the highway.

- c) No evidence or documentation has been submitted or found showing obstruction of historic public use or trust rights over this property.
- d) Staff conducted a site inspection on March 30, 2017, to verify that the proposed project would not impact public access.
- e) The Carmel Area Land Use Plan Policy 5.3.3.4.c protects public visual access and requires that structures and landscaping placed upon land west of Highway 1 shall be sited and designed to retain public views of the shoreline. The subject project site is located west of Highway 1; however, the proposed project would not obstruct public views of the shoreline from the Highway 1, nor obstruct public visual access.

6. **FINDING:**

EVIDENCE: a)

APPEALABILITY - The decision on this project may be appealed to the Board of Supervisors and not the California Coastal Commission.

Board of Supervisors. Pursuant to Sections 20.44.070 and 20.86.030 of the Monterey County Zoning Ordinance (Title 20), an appeal may be made to the Board of Supervisors by any public agency or person aggrieved by a decision of an Appropriate Authority other than the Board of Supervisors.

b) Coastal Commission. Section 20.86.080.A of the Monterey County Zoning Ordinance (Title 20). Design Approvals are not subject to appeal by/to the California Coastal Commission.

DECISION

NOW, THEREFORE, based on the above findings and evidence, the Zoning Administrator does hereby:

- A. Find the project exempt from CEQA per Section 15301 of the CEQA Guidelines; and
- B. Approve a Design Approval to allow the replacement of two (2) panel antennas and one (1) conduit riser; installation of one (1) pole riser, two (2) H-Frame (bracket), two (2) Remote Radio Units, one (1) cabinet, and 6-foot high wood fence to an existing wireless communications facility, in general conformance with the attached plans, being attached hereto and incorporated herein by reference.

PASSED AND ADOPTED this 11th day of May, 2017.



Mike Novo, Zoning Administrator

COPY OF THIS DECISION MAILED TO APPLICANT ON MAY 12 2017.

THIS APPLICATION IS APPEALABLE TO THE BOARD OF SUPERVISORS. IF ANYONE WISHES TO APPEAL THIS DECISION, AN APPEAL FORM MUST BE COMPLETED AND SUBMITTED TO THE CLERK TO THE BOARD ALONG WITH THE APPROPRIATE FILING FEE ON OR BEFORE MAY 22 2017.

THIS PROJECT IS LOCATED IN THE COASTAL ZONE AND IS NOT APPEALABLE TO THE COASTAL COMMISSION. FOR FURTHER INFORMATION, CONTACT THE COASTAL COMMISSION AT (831) 427-4863 OR AT 725 FRONT STREET, SUITE 300, SANTA CRUZ, CA.

This decision, if this is the final administrative decision, is subject to judicial review pursuant to California Code of Civil Procedure Sections 1094.5 and 1094.6. Any Petition for Writ of Mandate must be filed with the Court no later than the 90th day following the date on which this decision becomes final.

NOTES

1. You will need a building permit and must comply with the Monterey County Building Ordinance in every respect.

Additionally, the Zoning Ordinance provides that no building permit shall be issued, nor any use conducted, otherwise than in accordance with the conditions and terms of the permit granted or until ten days after the mailing of notice of the granting of the permit by the appropriate authority, or after granting of the permit by the Board of Supervisors in the event of appeal.

Do not start any construction or occupy any building until you have obtained the necessary permits and use clearances from Monterey County RMA-Planning and RMA-Building Services offices in Salinas.



at&t
Your world. Delivered.

**CCL03503 - LTE 1C/2C/3C
JPA (WOOD UTILITY POLE)**

FA#: 10088137

**PCH CARMEL HIGHLANDS 1
HIGHWAY 1 - CARMEL,
CARMEL, CA 93923**

MODIFICATION OF TELECOMMUNICATION SITE

LOCATION MAP

VICINITY MAP



DRM INFORMATION			
SITE NO.	CCL03503	LTE:	1C/2C/3C
SITE TYPE:		ZONE:	UTILITY POLE
ANTENNAS PER SECTOR:	1 ANTENNA	#SECTORS:	2 SECTORS
RRUS LOCATION:	BOTTOM	#TOTAL:	2 ANTENNAS
ANTENNA HEIGHT:	6'	RAD CENTER:	36'-0" AGL
SECTOR "A"	30°	SECTOR "B"	39'-0" AGL
SECTOR "C"	250°	SECTOR "D"	-
UMTS		LTE	
UMTS	50'	LTE	250'
RRU:		RRU:	
RRU:	MS30	LEASING FC#	RRU:
RRU:	MS40	ZONING FC#	RRU:

PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES TO MODIFY AN EXISTING WIRELESS INSTALLATION. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- REMOVE (2) EXISTING AT&T 4' PANEL ANTENNAS
- REMOVE (3) EXISTING AT&T TMAS
- REMOVE (1) EXISTING AT&T RRUS-11 1900'S
- REMOVE (2) EXISTING AT&T DUW
- REMOVE (1) EXISTING AT&T UMTS 1900 COAX LINES FOR LTE 2C
- REMOVE (1) EXISTING AT&T LITE PURCELL CABINET
- REMOVE (1) EXISTING AT&T Ciena Fiber Box
- REMOVE (2) EXISTING AT&T TELCO CABINETS
- REMOVE (1) EXISTING FIBER MANAGEMENT BOX
- REMOVE (1) EXISTING AT&T 3518 CABINET
- REMOVE (2) EXISTING AT&T RRUS-11 850'S
- INSTALL (2) NEW AT&T 6' PANEL ANTENNAS
- INSTALL (4) NEW AT&T AWS 6' SMA @ ANTENNA LEVEL
- INSTALL (2) NEW AT&T WCS LOAD THMAS @ ANTENNA LEVEL
- INSTALL (4) NEW AT&T BACK TO BACK MOUNTS
- INSTALL (3) NEW AT&T RRUS-11 700 @ EQUIPMENT LEVEL
- INSTALL (3) NEW AT&T RRUS-322 B66 AWS @ EQUIPMENT LEVEL
- INSTALL (16) NEW AT&T 1/2" COAX LINES
- INSTALL (16) NEW AT&T 4" POLE RISER
- INSTALL (1) NEW AT&T EMERSON POWER PLANT
- INSTALL (1) NEW AT&T 600W CHASSIS W/ NEW AT&T 5216 INSIDE (E) PURCELL CABINET
- INSTALL (1) NEW CONCRETE PAD
- INSTALL (1) NEW 3'-0" CMAW RETAINING WALL
- INSTALL (1) NEW WOODEN FENCE
- INSTALL (1) NEW H-FRAME

FA CODE:	10088137
DRAWN BY:	NG
CHECKED BY:	MM

GENERAL CONSTRUCTION NOTES.
1. FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:
GENERAL CONTRACTOR - GENERAL CONTRACTOR
SUBCONTRACTOR - CONTRACTOR (CONSTRUCTION)

1. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T PROJECT SPECIFICATIONS.
2. GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS, GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS AND CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION, ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL AT&T ORDRANCE RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
5. UNLESS NOTED OTHERWISE THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN THE PERIMETER OF THE CONTRACT DOCUMENTS. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CERTIFICATION FROM THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW IN DESIGN. NOTIFICATIONS MAY BE REQUIRED TO SUBMIT DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK.
7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS' REQUIREMENTS UNLESS SPECIFICALLY STATED OTHERWISE.
8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE SPACE FOR APPROVAL BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING.
9. GENERAL CONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
10. OCCUPANTS THAT ARE RELATED TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT, WORK SHALL CONFORM TO THE REQUIREMENTS AND THE LOCAL JURISDICTION.
11. GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
12. ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE. ALL MEMBERS SHALL BE LAD PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
13. SEA PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION.
14. SUBCONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
15. THE SITE AND/OR BUILDING SHALL BE MAINTAINED IN A NEAT AND TIDY MANNER.
16. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION.
17. THE GENERAL CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
18. THE SUBCONTRACTOR SHALL PROTECT AT ALL TIMES AND SHALL NOT DAMAGE ANY PROPERTY OF THE OWNER, ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
19. THE SUBCONTRACTOR SHALL CONTACT LOCAL INSPECTION SERVICES PRIOR TO THE START OF CONSTRUCTION.
20. THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND SUBCONTRACTORS TO THE SITE.
21. THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL NOT DAMAGE ANY PROPERTY OF THE OWNER, ANY NOT LESS THAN 24" OF 2X4" PRC AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING CONDUCTED DURING CONSTRUCTION.
22. ALL ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT/ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE SUBCONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. SUBCONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW, THIS SHALL INCLUDE BUT NOT BE LIMITED TO A FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, D) TRENCHING & EXCAVATION.
23. ALL INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHICH INTERFERE WITH THE EXECUTION OF THE WORK SHALL BE REMOVED, DUG, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK AND NOT COVERED BY THE RESPONSIBLE ARCHITECT/ENGINEER, AND THE WORK SHALL BE REMOVED.
24. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE TOWER EQUIPMENT SUBJECT TO THE WORK AND NOT COVERED BY THE TOWER EQUIPMENT.
25. SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE SITE DURING CONSTRUCTION, EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
26. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING, FROZEN MATERIALS, SNOW OR ICE. SHALL NOT BE PLACED IN ANY FILL, EMBANKMENT, THE SUBGRADE SHALL BE BROUGHT TO SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAPER AND STRUCTURES, AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE, ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH ALLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
27. ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED IN A LAWFUL MANNER.
28. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
29. SUBCONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REQUIDES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
30. SUBCONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
31. THE PROPOSED FACILITY WILL BE UNMANAGED AND DOES NOT REQUIRE PORTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED).
32. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION, APPROXIMATELY 2 TIMES PER MONTH, BY AT&T TECHNICIANS.
33. NO DUST, DIRT, OR VIBRATIONS WILL RESULT FROM THIS FACILITY. (DISREGARD THIS NOTE IF THIS SITE HAS A GENERATOR).
34. NO ADDITIONAL PARKING TO BE PROPOSED. (E) ACCESS AND PARKING TO REMAIN, UNLESS NOTED OTHERWISE.
35. ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REVISION AT&T MOBILITY GROUNDING STANDARD. "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSWSGS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY GROUNDING". IN CASE OF A CONFLICT BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
36. SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION, IF SUBCONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
37. SUBCONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
38. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL.
39. NO WHITE STROBIC LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND
40. ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
41. NO NOISE, SMOKE, DUST, OR VIBRATIONS WILL RESULT FROM THIS FACILITY. (DISREGARD THIS NOTE IF THIS SITE HAS A GENERATOR).
42. NO ADDITIONAL PARKING TO BE PROPOSED. (E) ACCESS AND PARKING TO REMAIN, UNLESS NOTED OTHERWISE.
43. NO LANDSCAPING IS PROPOSED AT THIS SITE, UNLESS NOTED OTHERWISE.

ELECTRICAL NOTES.
1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED, ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED DUE TO COMPLIANCE WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE CONSTRUCTION MANAGER HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.

2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE HIMSELF WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. ALL (E) CONDITIONS OF ELECTRICAL EQUIP., LIGHT FIXTURES, ETC. THAT ARE PART OF THE FINAL SYSTEM SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF HIRB, FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER & TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT NOT BE LIMITED TO:
 - A. UL - UNDERWRITERS LABORATORIES
 - B. NEC - NATIONAL ELECTRICAL CODE
 - C. NEPA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
 - D. OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
 - E. SBIC STANDARD BUILDING CODE
4. DO NOT SCALE ELECTRICAL DRAWINGS, REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT AND CONFIRM WITH CONSTRUCTION MANAGER ANY/ALL LOCATIONS WHERE NEEDED.
5. (E) SERVICES - CONTRACTOR SHALL NOT INTERRUPT (E) SERVICES WITHOUT WRITER PERMISSION OF THE OWNER.
6. CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTS. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEING DONE.
7. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
8. CONTRACTOR SHALL FURNISH WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS CONSTRUCTION, ETC... ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.
9. MINIMUM WIRE SIZE SHALL BE #12 AWG NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THHN INSULATION.
10. OUTLET BOXES SHALL BE PRESSIONED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
11. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO PROPER WORKING ORDER.
12. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY SPECIFICATIONS.
13. OUTLET BOXES SHALL BE FULLY OPERATIVE AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
14. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
15. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
16. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPAIR/ADJUSTMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREIN.
17. ADOLEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY PROPERTY DAMAGE FOR THE DURATION OF WORK.
18. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, T-PILES, WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
19. DISCONNECTION AND BACK-FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION, REFER TO NOTES AND REQUIREMENTS EXCAVATION AND BACKFILLING.
20. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE (N) AND SHALL APPEAR ON THE LIST OF UL APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEWMAN AND IEC.
21. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURE CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.
22. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE CONSTRUCTION MANAGER UPON FINAL ACCEPTANCE.
23. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
24. DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
25. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTHROPODE COMPOUND SUCH AS "NO-OXIDE" A/B DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING EXPOSED COPPER SURFACES, INCLUDING GROUND BARS. SHALL BE TREATED AS SUBSTITUTIONS.
26. RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC MEETING OR EXCEEDING NEEMA TCC-1990. CONDUIT PULL STRINGS - 200 LBS PLUG AND CAP EACH END, SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2 FT. RADIOS, RGS CONDUITS WHEN SPECIFIED SHALL MEET UL-6 FOR GALVANIZED STEEL, ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT, COAT ALL THREADS WITH "BRITE ZINC" OR "GOLD GALV."
27. SUPPORT OF ALL ELECTRICAL WORK SHALS BE REQUIRED BY NECA.
28. CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THHN INSULATION 80 VOLTS COLOR-CODED, USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG, USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
29. CONNECTORS FOR CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER, USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
30. SERVICE: 240/120V, SINGLE PHASE, 3 WIRE CONNECTION AVAILABLE FROM UTILITY COMPANY, OWNER OR OWNERS AGENT WILL APPLY FOR POWER.
31. TELEPHONE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
32. ELECTRICAL AND TELCO RACEWAYS TO BE BURIED A MINIMUM OF 2' DEPTH.
33. CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTIONS TAPE TO READ "CAUTION BURIED ELECTRIC" OR "BURIED TELECOMM".
34. ALL BOLTS SHALL BE STAINLESS STEEL.

GROUNDING NOTES:
1. FOR COMPRESSION CONNECTIONS (2) 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR, ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL EXOTHERMIC WELD.

2. EO SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND LABEL EACH SECTION "P", "A", "T", "W" WITH 1" HIGH LETTERS.

3. ALL HARDWARE 18-28 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.

4. FOR GROUND BOND TO STEEL ONLY, INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.

5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED ON THE BACK SIDE.

6. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION AND GROUNDING BAR ORIENTATION, PROVIDE AS REQUIRED.

7. WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN (E) TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO MOUNTING THE GROUNDING BAR AT THE TOWER SITE.

8. ALL ELECTRICAL AND GROUNDING WORK IN THE TOWER SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 (LATEST EDITION) AND MANUFACTURER.

SITE WORK & DRAINAGE

PART 1- GENERAL

1. REFERENCES:

1.1. DOT STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-CURRENT CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.

1.2. ASTA (AMERICAN SOCIETY FOR TESTING AND MATERIALS).

1.3. OSHA (OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION).

1.4. FIELD TEST OF EARTHWORK, COMFACTION AND CONCRETE CYLINDER SHALL BE PERFORMED BY SUBCONTRACTOR INDEPENDENT TESTING LAB. THIS WORK TO BE COORDINATED BY THE SUBCONTRACTOR.

1.5. ALL WORK SHALL BE INSPECTED AND RELEASED BY THE GENERAL CONTRACTOR WHO SHALL CARRY OUT THE GENERAL INSPECTION OF THE WORK WITH SPECIFIC CONCERN TO PROPER PERFORMANCE OF THE WORK AS SPECIFIED AND/OR CALLED FOR ON THE DRAWINGS. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF WORK INACCESSIBLE OR DIFFICULT TO INSPECT.

ENVIRONMENTAL NOTES

1. ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FEES AND PROPER CLEAN UP FOR AREAS IN VIOLATION OF THE CONTRACT AND MAINTAIN SEDIMENTATION CONTROLS DURING CONSTRUCTION, PROTECTION OF ADOPTED PROPERTIES, ROADWAYS AND WATERWAYS. THE CONTRACTOR SHALL MAINTAIN IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION & RELEASE OF SITE.

2. CONTRACTOR AND DEVELOPER SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION, PROTECTION OF ADOPTED PROPERTIES, ROADWAYS AND WATERWAYS. THE CONTRACTOR SHALL MAINTAIN IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION & RELEASE OF SITE.

3. CONTRACTOR SHALL INS TALL CONSTRUCTION, ALL NECESSARY SEDIMENT CONTROL FENCING AND PROTECTIVE MEASURES WITHIN THE LIMITS OF THE DISTURBANCE PRIOR TO CONSTRUCTION.

4. NO SEDIMENT SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS PERMITTED AND BE HELD TO A MINIMUM, ONLY AS NECESSARY.

6. CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM, ONLY AS NECESSARY.

7. SEEDING AND MULCHING AND/OR SODDING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT. FACILITIES AFFECTING LAND DISTURBANCE, ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.

8. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SEDIMENT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.

9. RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, DURABLE, UNIFORM IN QUALITY, STONE FREE OF ANY DETERIORATED QUANTITY OF SOFT, FRIBBLE, THIN, ELONGATED OR LAMINATED GEIGES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI OR OTHER DELETERIOUS SUBSTANCES.

1. FA CODE: 10088137
DRAWN BY: NG
CHECKED BY: MM
1 02/14/2017 PER CALTRANS COMMENTS
0 12/21/2016 90% CDS FOR SUBMITTAL
A 11/22/2016 REV DATE DESCRIPTION

m.squared ENGINEERS
1387 CALLE AVANZADO
SAN CLEMENTE, CA 92673
(619) 997-4012

BOCA RATION, FLORIDA 33487

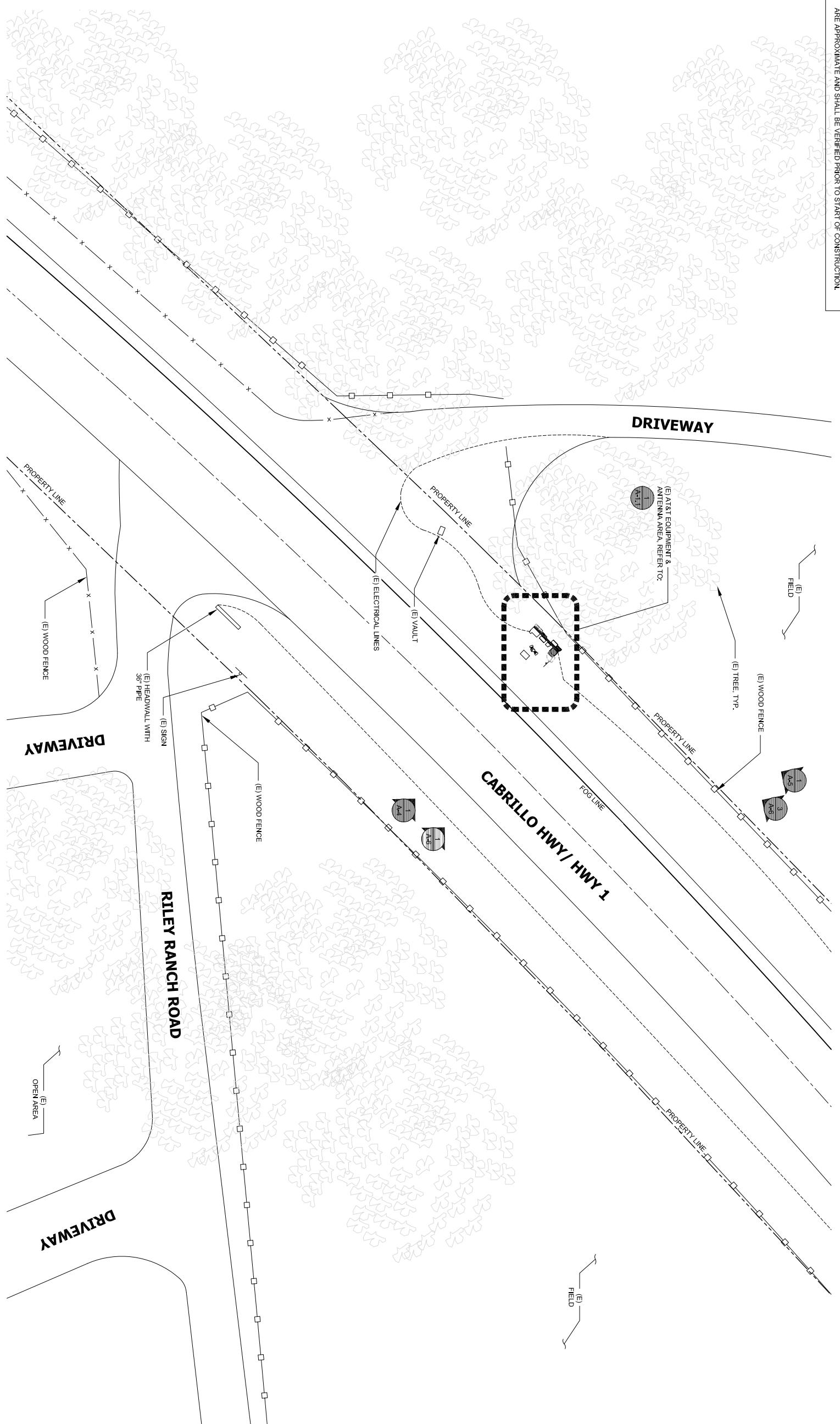
at&t Mobility
Network Solutions
6100 BROKEN SOUND PARKWAY NW
Boca Ration, Florida 33487

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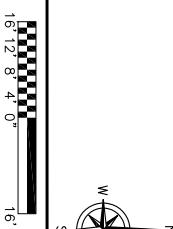
GENERAL NOTES

GENERAL NOTES
SHEET NUMBER
GN-1

SITE PLAN



24" x 36" SCALE: 1/16" = 1'-0"
11 x 17" SCALE: 1/32" = 1'-0"
16' 12" 8' 4" 0"



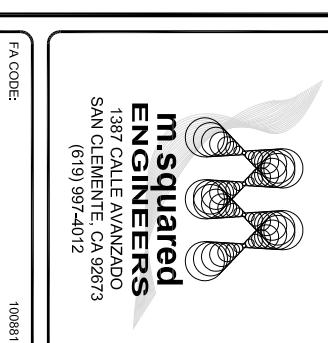
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**SITE PLAN AND
ENLARGED SITE PLAN**

SHEET NUMBER

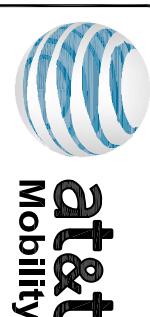
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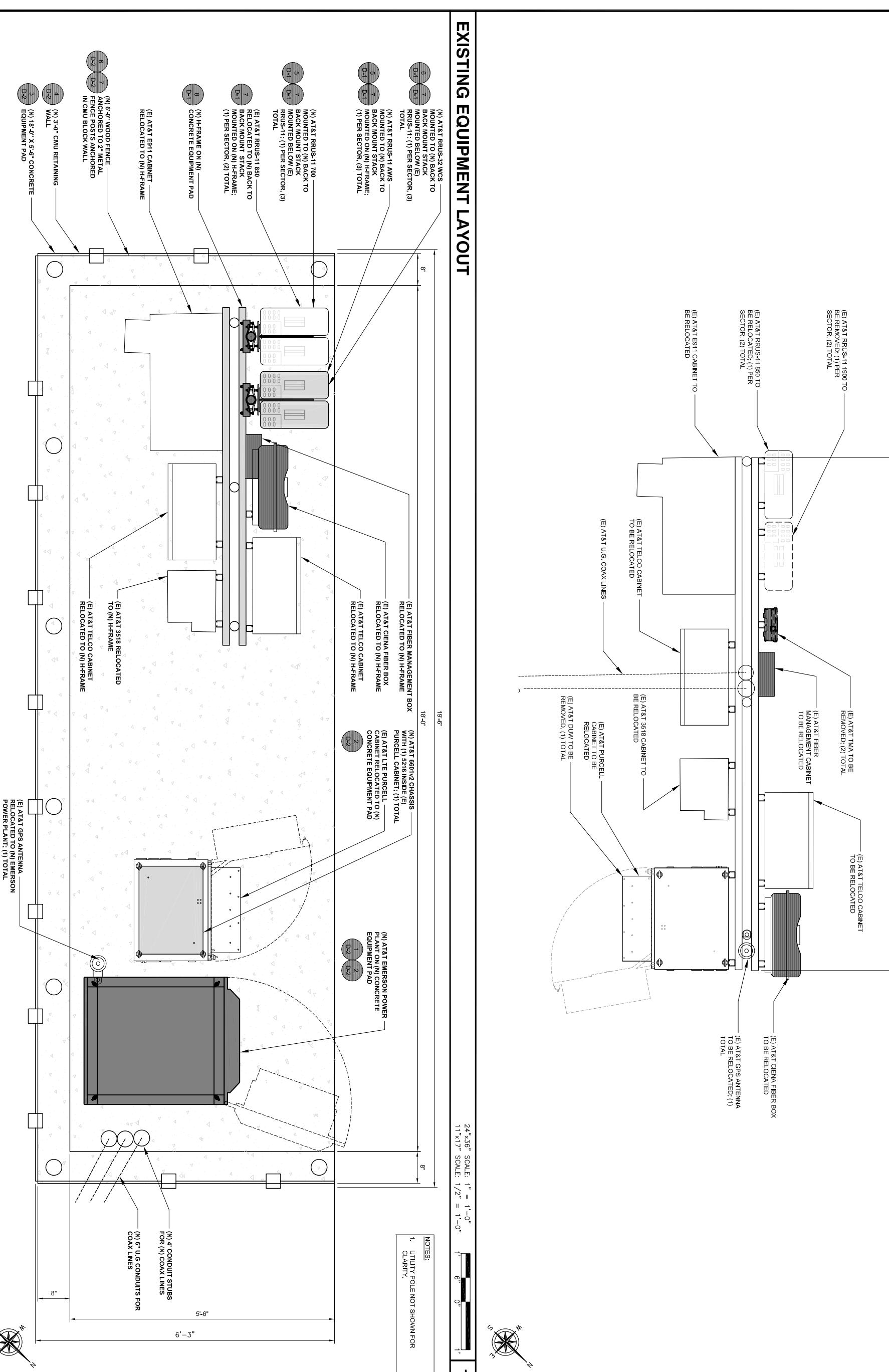
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CCL03503
PCH CARMEL HIGHLANDS 1
HIGHWAY 1 CARMEL
CARMEL, CA 93923
WOOD UTILITY POLE



6100 BROKEN SOUND PARKWAY NW
SUITE NO. 6
BOCA RATON, FLORIDA 33487





NOTES:

1. UTILITY POLE NOT SHOWN FOR CLARITY.

The AT&T globe logo, featuring a blue and white striped sphere with the letters 'at&t' in a bold, black, sans-serif font below it.

The logo for m.squared ENGINEERS. It features a large, stylized lowercase 'm' on the left, constructed from three interlocking gears of decreasing size from left to right. To the right of the 'm', the word 'm.squared' is written in a bold, sans-serif font, with 'm.' on top and 'squared' on the bottom. To the right of 'm.squared', the word 'ENGINEERS' is written in a bold, sans-serif font, with 'ENGINEERS' on top and 'm.squared' on the bottom. Below 'm.squared' and 'ENGINEERS', the address '1387 CALLE AVANZADO' is written in a smaller, sans-serif font. Below that, 'SAN CLEMENTE, CA 92673' is written in a smaller, sans-serif font. At the bottom left, the phone number '(619) 997-4012' is written in a smaller, sans-serif font. The entire logo is set against a white background with a light gray shadow effect.

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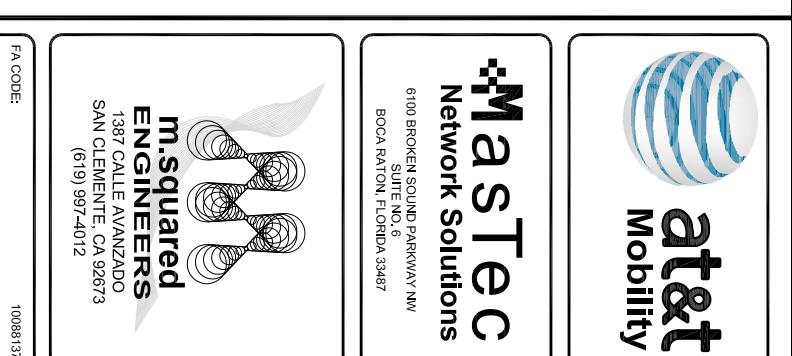
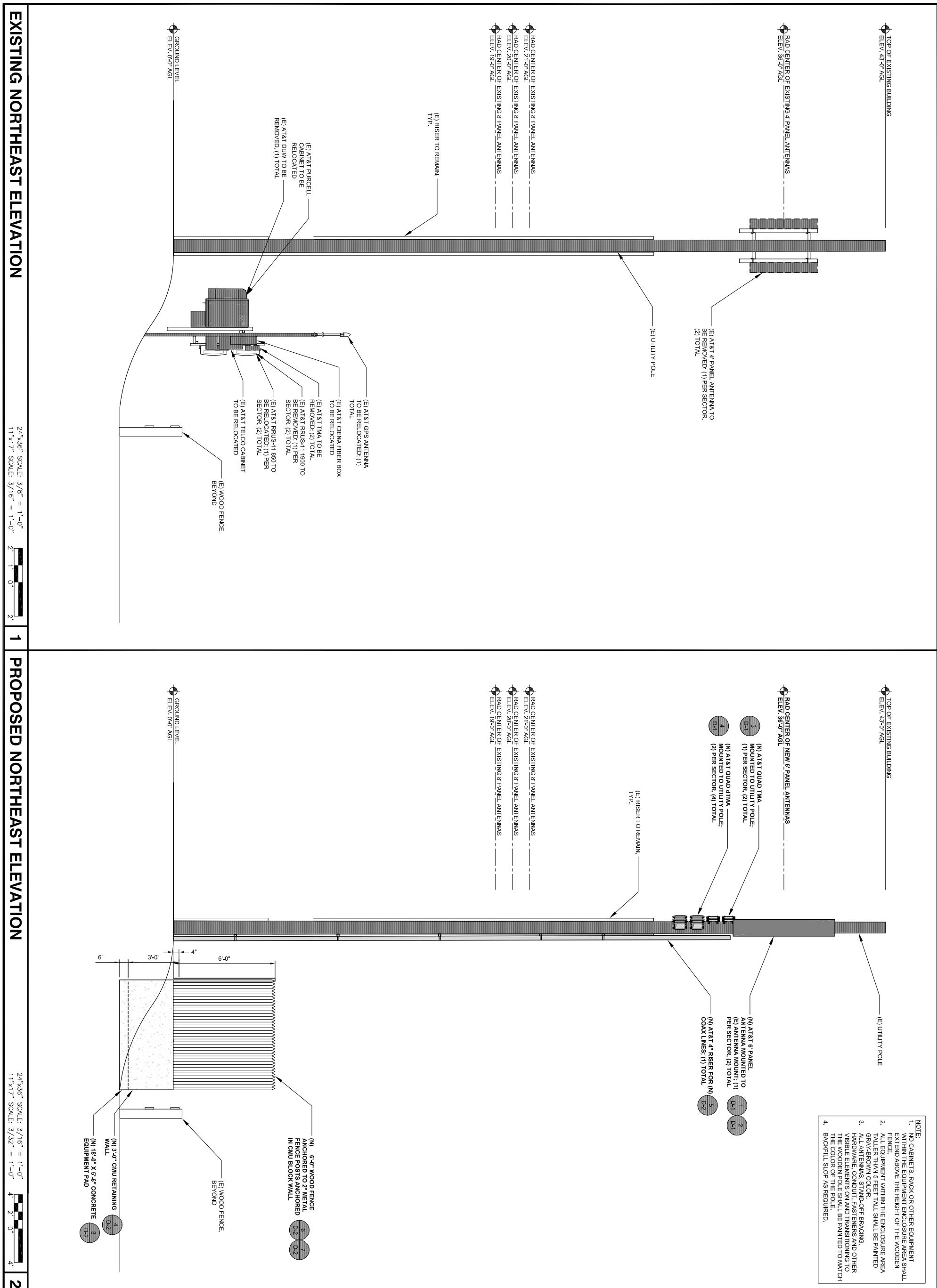
PCH CARMEL HIGHLANDS 1
HIGHWAY 1 CARMEL
CARMEL, CA 93923
WOOD UTILITY POLE
CCL03503

EQUIPMENT LAYOUT

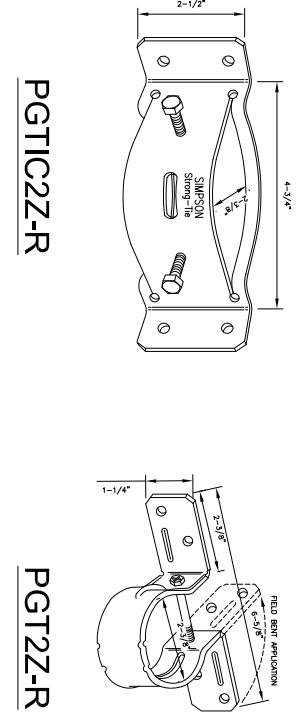
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ספר הרים ורים

PROPOSED EQUIPMENT LAYOUT



MANUFACTURER: MAYER ELECTRIC SUPPLY
MODEL NO.: GGMSC112400



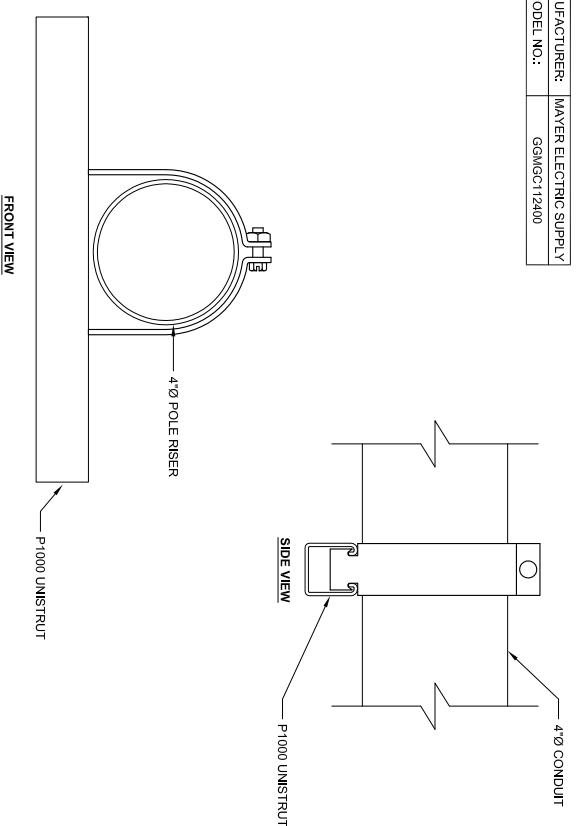
SIMPSON STRONG TIES

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11x17" SCALE: NTS

4" POLE RISER CLAMP

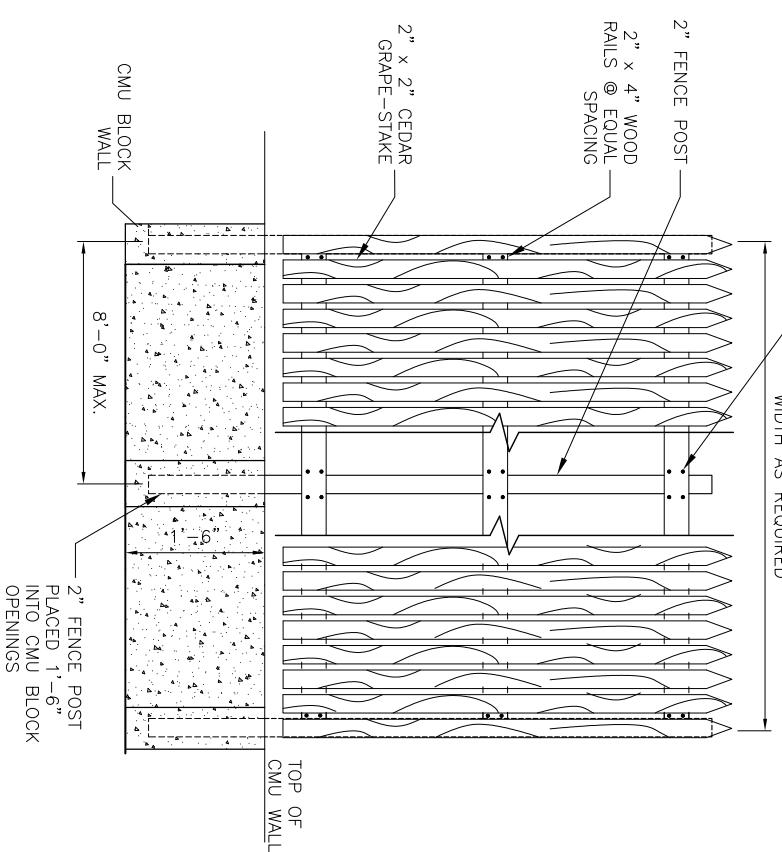
CONCRETE EQUIPMENT PAD

24" x 36" SCALE: NTS
11x17" SCALE: NTS



PGTIC2Z-R

PGT2Z-R



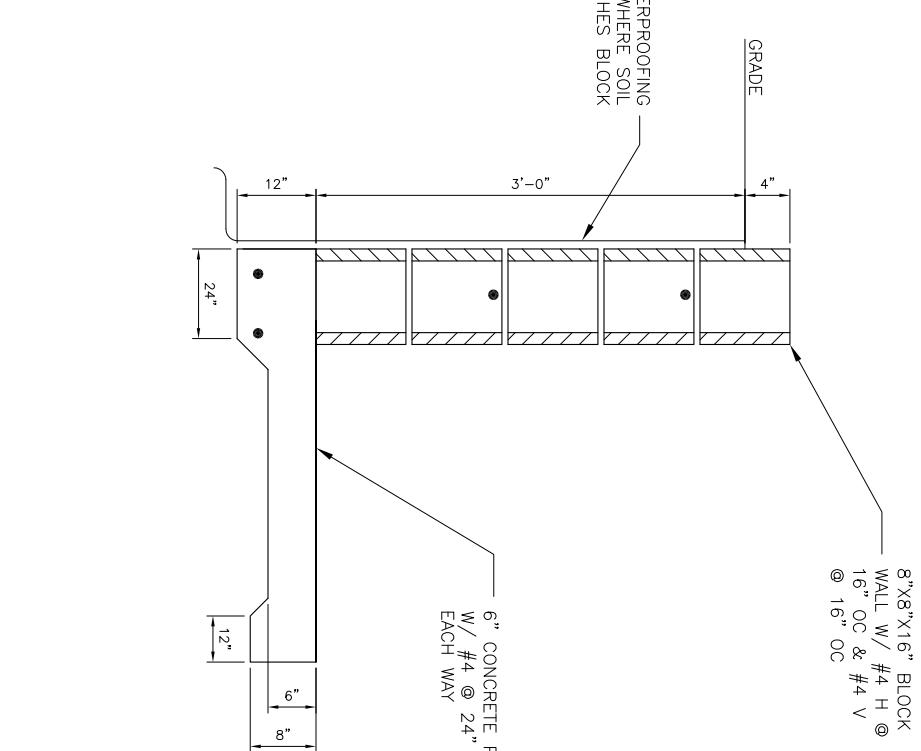
WOOD FENCE DETAIL

6 RETAINING WALL DETAIL

4 NETSURE 512 DC POWER SYSTEM

24" x 36" SCALE: NTS
11x17" SCALE: NTS

1



EQUIPMENT ANCHORAGE

24" x 36" SCALE: NTS
11x17" SCALE: NTS

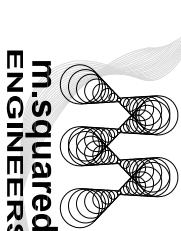
2

(N) AT&T EQUIPMENT CABINET
(N) (4) 1/2" HILTI KUNK BOLTZ STAINLESS
ANCHOR IN CONCRETE, SPECIAL
INSPECTION REQUIRED (ESR-917)

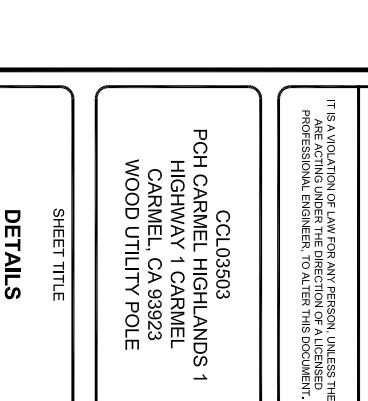
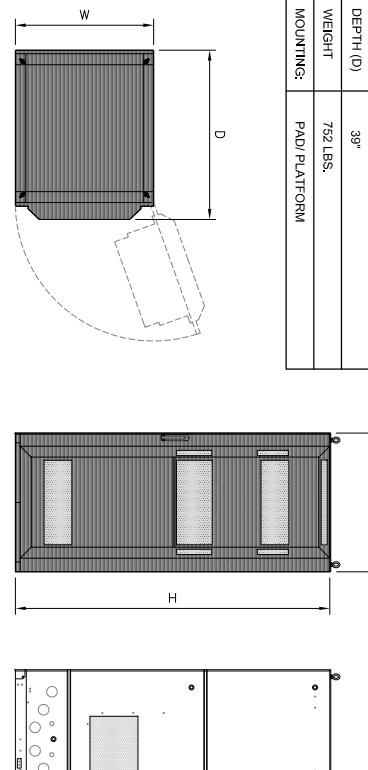
FA CODE:	10088137
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REV DATE	DESCRIPTION

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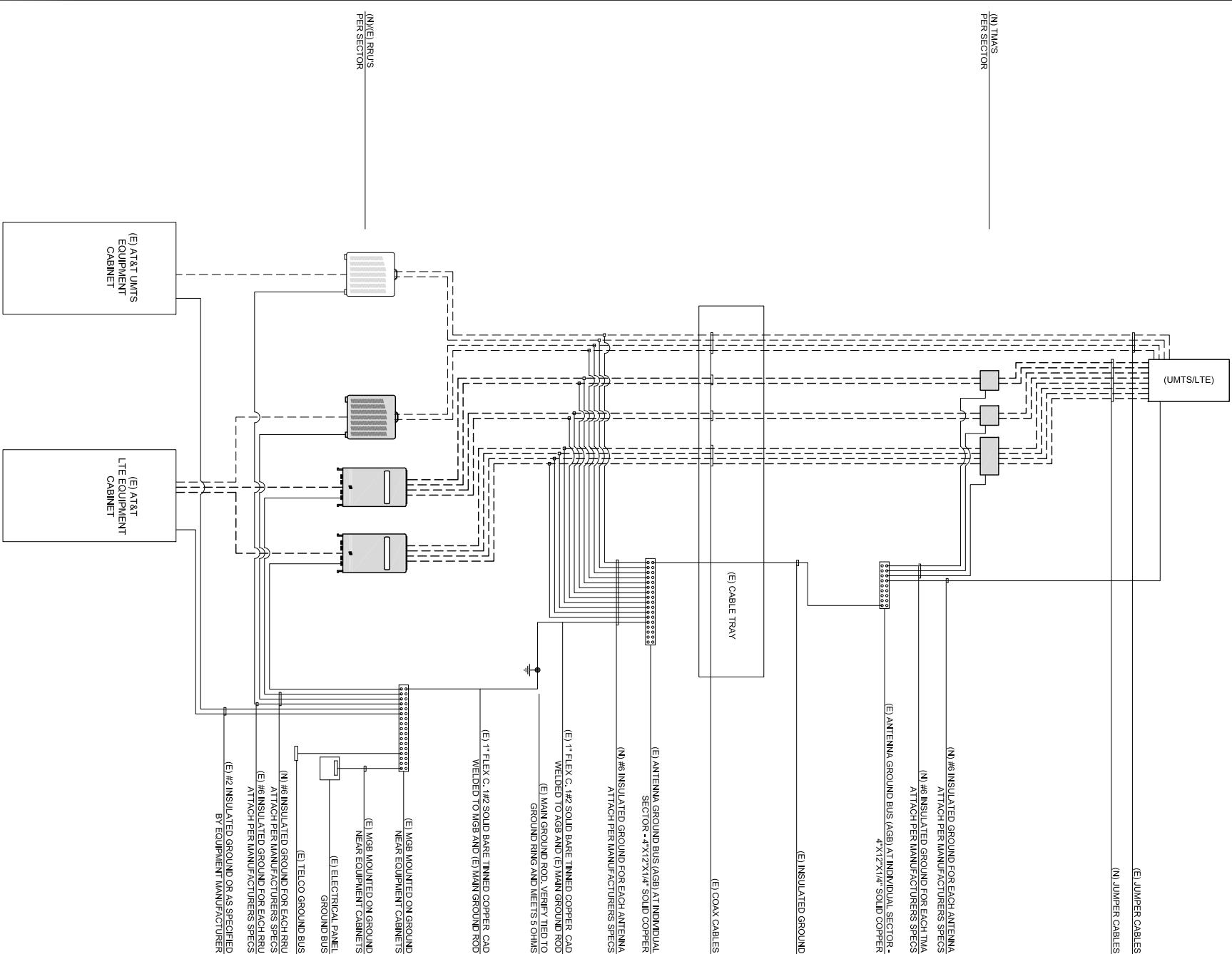


6100 BROKEN SOUND PARKWAY NW
BOCA RATON, FLORIDA 33487



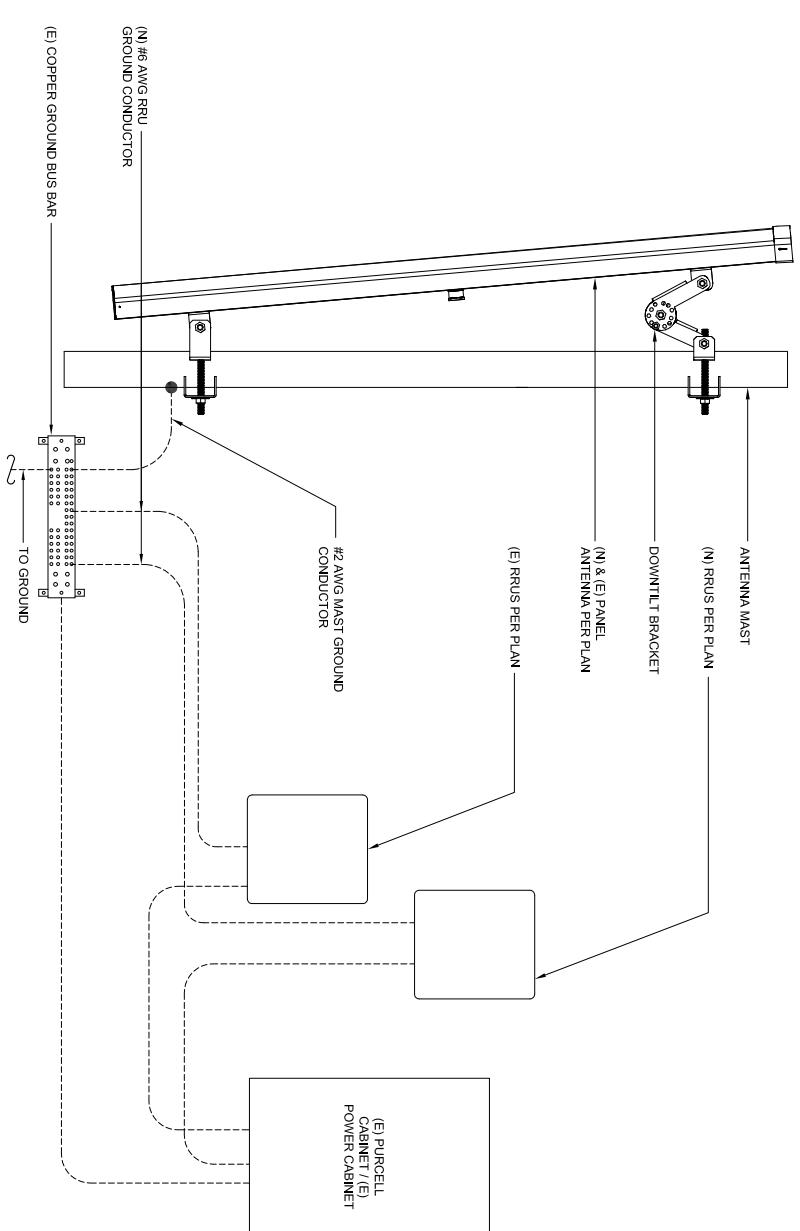
SHEET NUMBER
D-2

SHEET TITLE
DETAILS



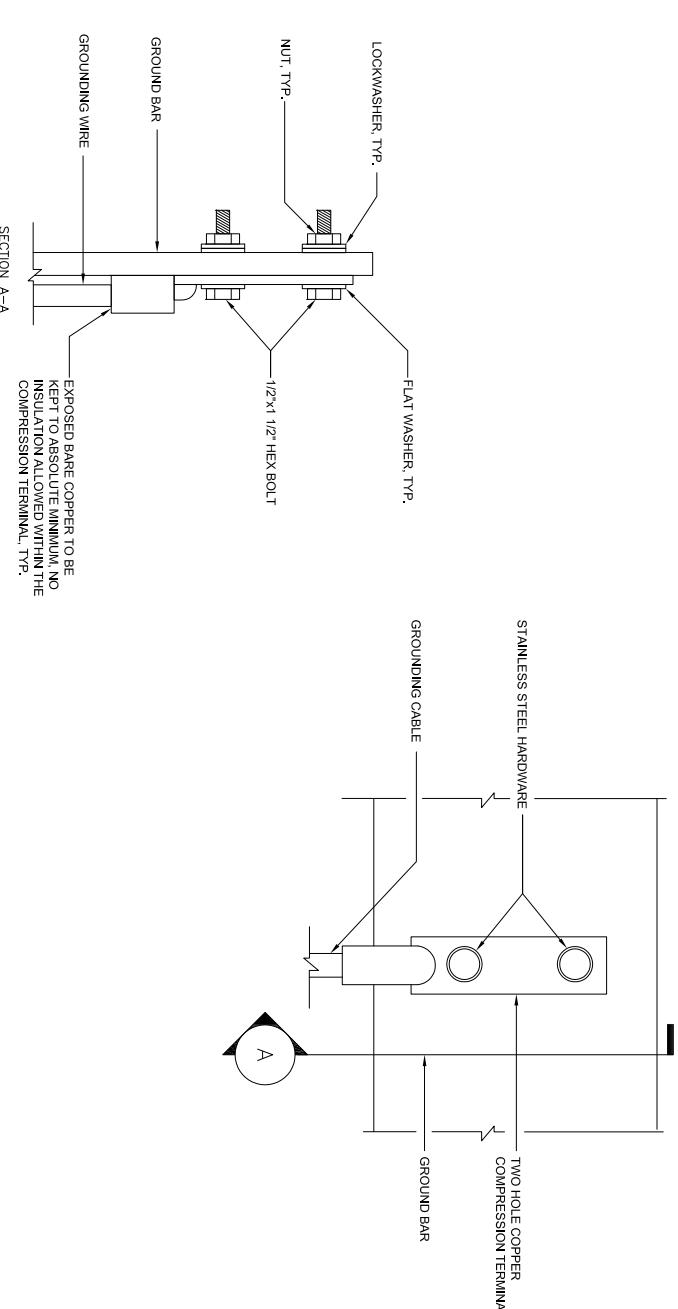
ANTENNA/RRU GROUNDING

NOTES:
 1. "DOUBLING UP" OR "STACKING" OF CONNECTIONS IS NOT PERMITTED.
 2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS AND TO BE APPLIED PRIOR TO ADDING HARDWARE.



24" x 36" SCALE: NTS
 11" x 17" SCALE: NTS **2**

FA CODE:	10088137
DRAWN BY:	NG
CHECKED BY:	MM
REV:	DESCRIPTION



REV:	1
DATE:	02/14/2017
DESCRIPTION:	PER CALTRANS COMMENTS
PER CALTRANS COMMENTS	02/14/2017



GENERAL NOTES:
 1. SPICE GROUND CONNECTIONS.
 2. FOLLOW COAXIAL CABLE MANUFACTURERS RECOMMENDATIONS TYP.
 3. ALL INSULATED GROUND WIRES TO BE STRANDED AWG WIRE UNLESS
 NOTED OTHERWISE.
 4. THIS IS TYPICAL FOR ONE SECTOR OF ANTENNAS. SEE PLANS FOR
 NUMBER OF SECTORS.
 5. NUMBER OF SECTORS.
 6. EXISTING DIPLEXERS AND EXISTING TMAS NOT SHOWN FOR CLARITY.

SHEET TITLE
GROUNDING SCHEMATIC & GROUNDING DETAILS

SHEET NUMBER
G-1

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 CARMEL, CA 93923
 WOOD UTILITY POLE

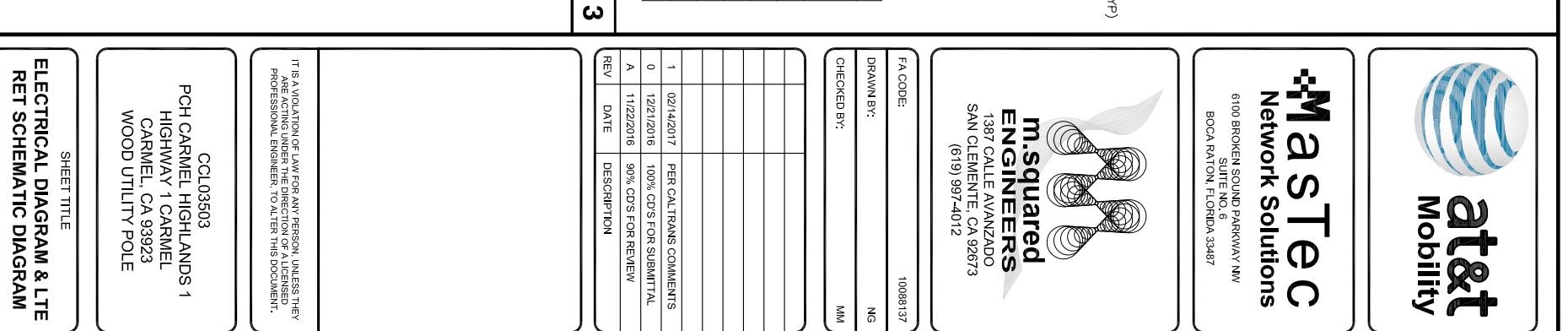
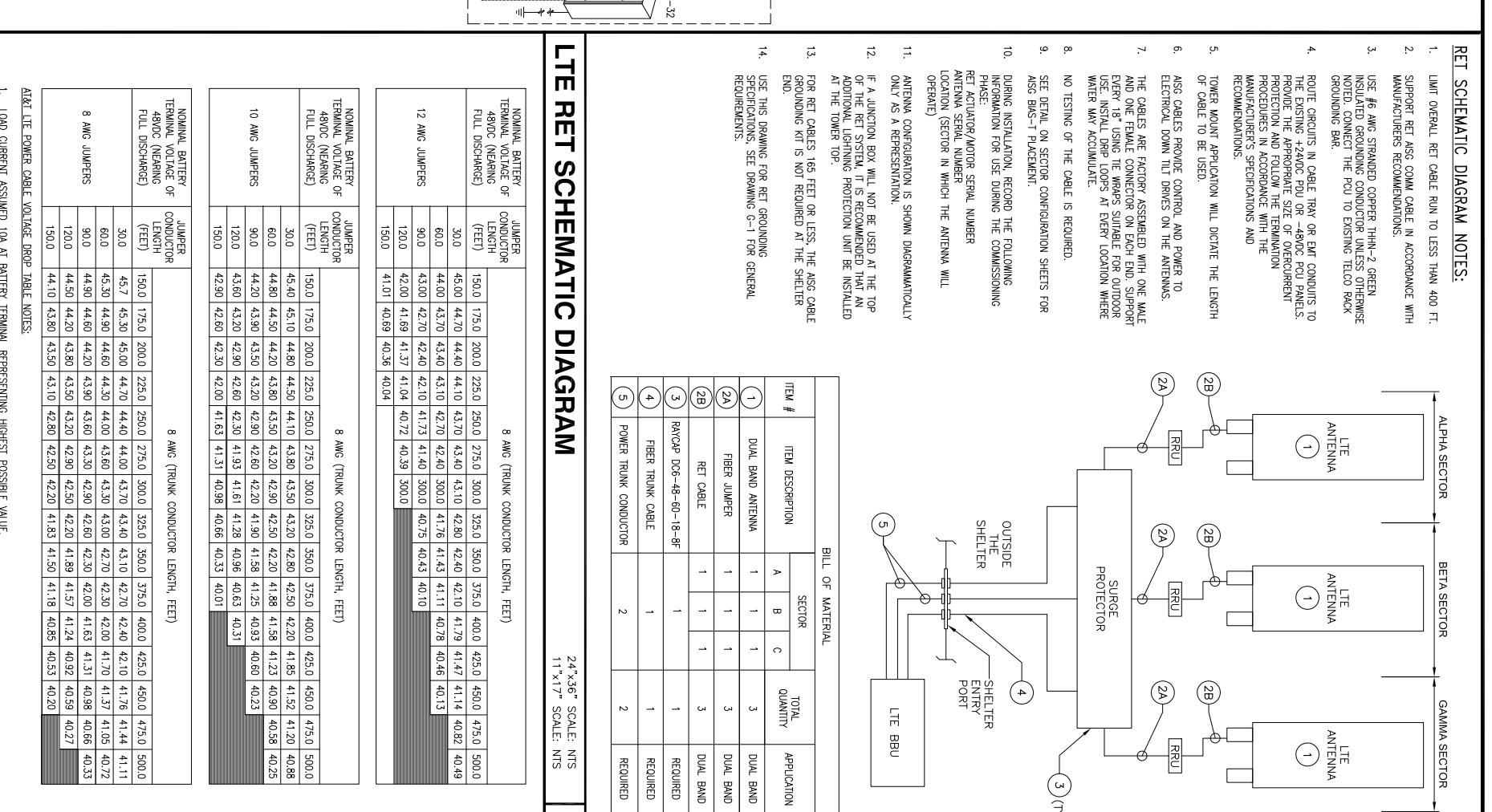
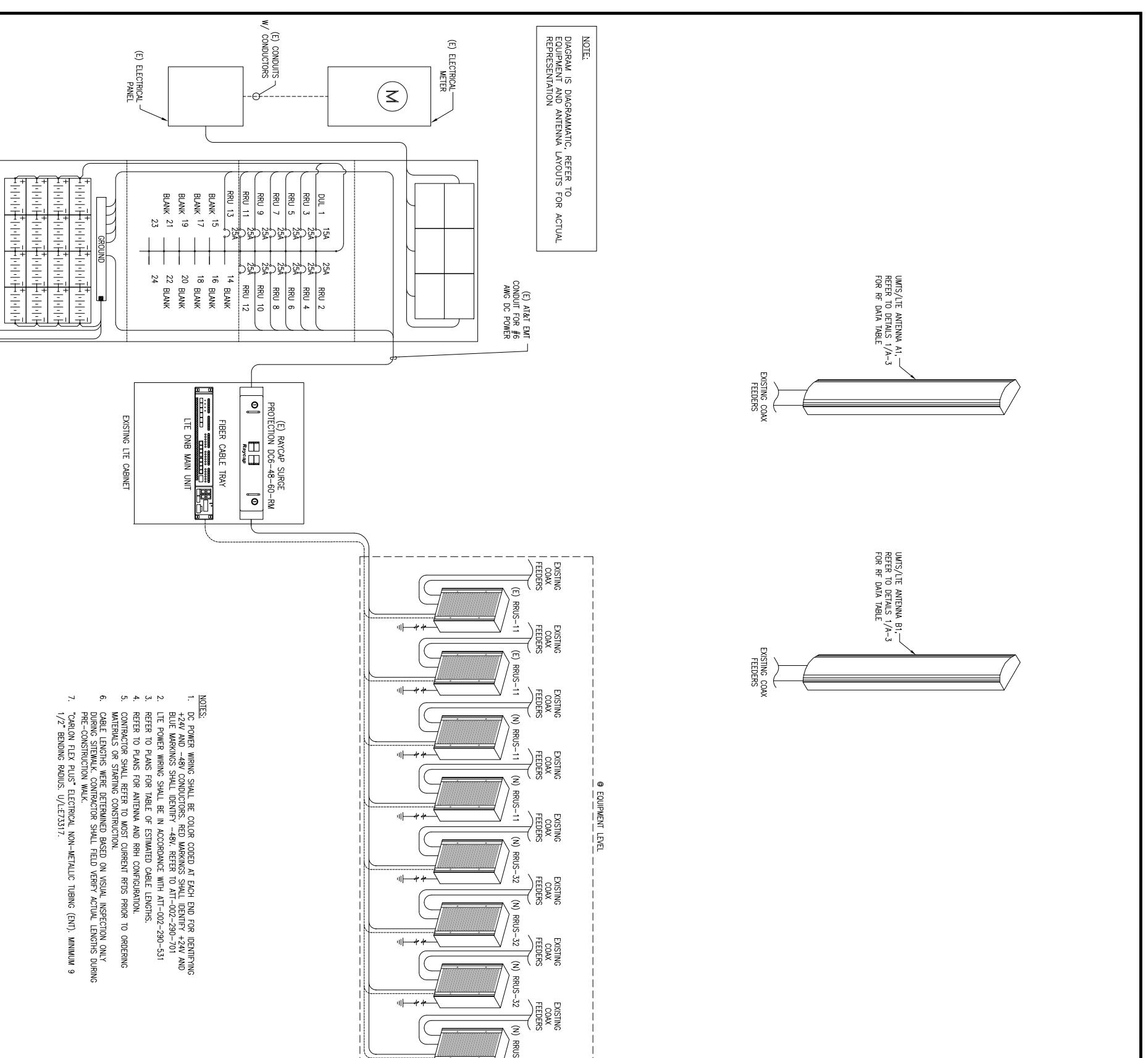
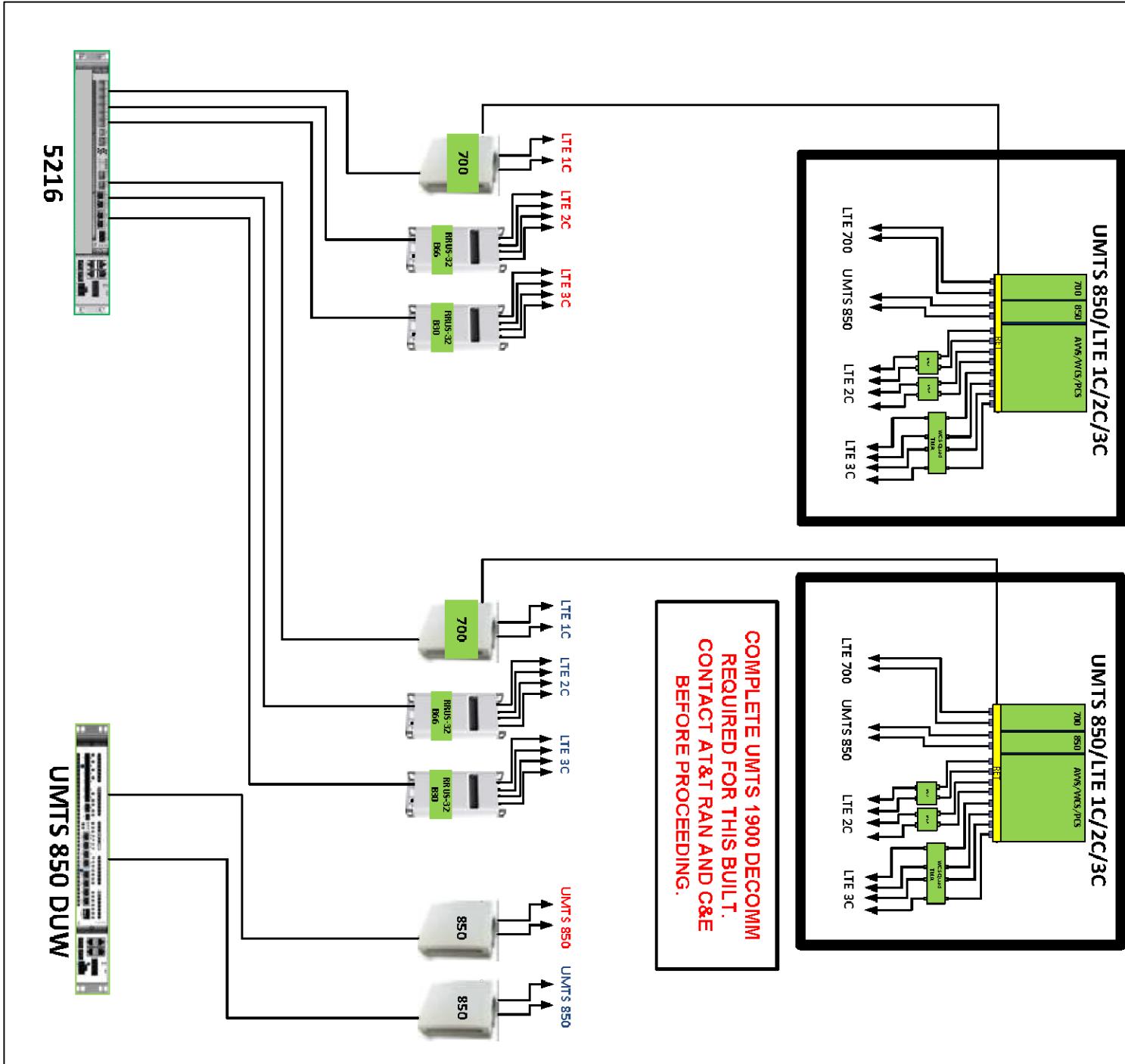


Diagram - Sector	A	Diagram File Name	CCL03503_Combined.vsd
Atoll Site Name	CNU3503	Location Name	PCH / CARMEL
Comments	HIGHLANDS 1		
Market	SAN FRANCISCO		
Market Cluster	SAN FRANCISCO/SACRA		
MENTO			

ALPHA

BETA



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 NUMBER	CCL03503	
PCH CARMEL HIGHLANDS 1		
HIGHWAY 1 CARMEL		
CARMEL, CA 93923		
WOOD UTILITY POLE		

SHEET TITLE

RF-1

PLUMBING DIAGRAM

