

Staff Report

From: Lisa Tylenda, Planner

Date: June 7, 2018

Subject: AT&T Existing Telecommunication Facility

Background:

- Current Zoning: C-2 (Commercial General)
- Current Land Use: Operating Movie Theater
- Size of Property: 173,762 sqft./3.96 acres
- Parcel Legal Description: PAR 2 OF LLA ALSO BEING POR LOTS 12 & 13 DAVIS SUB
- Site Design: Please see attachments
- Environmental Clearance: This project is Categorically Exempt per CEQA Section No. 15301 and Section No. 15302.

Project Description:

The proposed project is to preform work on an existing wireless facility in order to upgrade the equipment including FirstNet for nationwide emergency services. Scope includes replacing (6) existing antennas with (6) new antennas and replacing (6) existing remote radios with (6) new remote radios and new card into existing racks inside ground shelter. Existing emergency generator is to remain. No ground disturbance or expansion of rooftop or ground space required nor planned. Modifications to existing Wireless Telecommunication Facilities trigger the need for obtaining a Conditional Use Permit per City of Imperial Ordinance number: 646.

Evaluation

The Zoning Ordinance provides flexibility in the regulation of uses to ensure that unusual characteristics of certain uses are properly addressed in furtherance of the Zoning Ordinance.

Section 24.19.340 of the City of Imperial Zoning Ordinance requires that the Commission make specific findings be made when reviewing a CUP. The required findings are listed below.

1. That the proposed location, size, design, and operating characteristics of the proposed use is in accord with the Title and Purpose of this Ordinance, the Purpose of the zone in which the site is located, the Imperial General Plan, and the development policies and standard of the City.

The subject site is located within a C-2 Commercial General. The purpose of the C-2 zone is intended as an area for the location of highway oriented retail service and wholesale commercial activities. The proposed cell-phone tower does not necessarily provide retail/commercial for the surrounding residential uses, but it does not interfere or conflict the purposes of the zone.

2. That the location, size, design, and operating characteristics of the proposed use will be compatible with and will not adversely affect or be materially detrimental to adjacent uses, residents, buildings, structures, or natural resources with consideration given to those items listed in Section 24.19.340.B of the Imperial Zoning Ordinance.

Commercial uses are located to the west, east, north and south of the property.

3. That the proposed location, size, design, and operating characteristics of the proposed use and the conditions under which it would be operated or maintained will not be detrimental to the public health, safety, or welfare, or materially injurious to properties or improvements in the vicinity.

The project is very limited in nature, and as such, will not be detrimental to the public health, safety, or welfare.

4. That the proposed Conditional Use will comply with each of the applicable provisions of the Zoning Ordinance. *The use will comply with the zoning ordinance if the Conditional Use Permit is obtained.*

Attachments:

- Location Map
- Cell Site photo
- Building Specifications/Details
- Radio Frequency Report for Cell Site
- Letter of Authorization
- Reso. 2018-09

LETTER OF AUTHORIZATION

APPLICATION FOR ZONING/USE PERMIT

I, ______, Owner of the below-described property, do hereby authorize DePratti Inc., authorized agent to AT&T Mobility, to submit any building or use permit applications necessary to insure AT&T's continued ability to use the property for the purpose of constructing, operating and maintaining an existing communications facility. I understand that such application may be denied, modified or approved with conditions and that such conditions or modifications must be complied with prior to issuance of building permits.

Site Name: IC0732 Costco El Centro

Property Address: 2335 Highway 86, Imperial, CA 92251

Assessor's Parcel Number: 064-433-014

Signature of Property Owner: Cal Gran Entertainment Properties LLC

By:	Diangran
Title:	General manager
Date:	03-08-18

Phone/Email	
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CONDITIONS OF APPOVAL FOR CONDITIONAL USE PERMIT –CUP18-04

Imperial Movie Theater/ AT& T Wireless Communication Facility 2335 HWY 86 IMPERIAL, CA 92251

- 1. The provisions of this Conditional Use Permit are to run with the land/project and shall bind the current and future owner(s) successor(s) in interest, assignee(s) and/or transferor(s) of said project. This Conditional Use is only valid for 2335 HWY 86; Imperial, CA.
- 2. The project is approved as shown on the "Conceptual Site Plan" submitted. Minor Changes to the plans may be allowed subject to the approval of the Community Development Director if found to be in substance and conformance to this development plan.
- 3. Conditional Use Permit # CUP 18-04 is valid for the modifications at the existing Telecommunications site.
- 4. The Projects Radio Frequency report must be provided before any construction may begin. The RF report must be found to be within acceptable ranges according to the FCC guidelines.
- 5. The Noise Level report must be provided before any construction may begin. The noise levels must be found to be within acceptable limits according to the City of Imperials adopted standards specified in ordinance no. 646.
- 6. The cellular tower shall be adequately camouflaged.
- 7. The Community Development Director may approve minor alterations to the design, including height, color and camouflage technique.
- 8. The improvements associated with the communication facility, including equipment shelters, antennae, and fencing shall be properly maintained at all times and all outdoor storage areas and appurtenant structures shall be screened from public view.
- 9. The telecommunications cell site shall be designed to support/collocate antennae for additional carriers and shall be made available for lease to other carriers.
- 10. The telecommunications site shall install any markings and lighting required by FAR Part 77 or imposed by the Imperial County Airport Land Use Commission in accordance with the adopted Airport Land Use Compatibility Plan.
- 11. The telecommunications facility shall address any needs or install any equipment requested by the Imperial Irrigation District that relates directly to the cellular tower project.
- 12. A frequency evaluation shall be submitted to the Community Development Department prior to the establishment of service to demonstrate the frequencies will not interfere with the City's emergency broadcast services. The Developer/Applicant shall provide radio coverage and documentation to the Fire Department indicating that this facility will not interfere with public safety amplification signals.

- 13. All Building, Engineering, Planning, and city permitting fees regarding this project at 2335 HWY 86; Imperial, CA 92251 will be paid by the applicant.
- 14. The applicant shall assume full responsibility for resolving television interference, if any is caused by the operation of the proposed facility. The applicant shall take corrective action within 30 days of receipt by the Planning Department of any written television interference complaint.
- 15. The Developer/ Applicant shall comply with all local, State and Federal laws, regulations, rules, ordinances, and standards as they pertain to this project, whether specified herein or not. Where conflicts occur, the most stringent shall apply.
- 16. The Developer/Applicant shall pay all applicable impact and capacity fees.
- 17. The Conditional Use Permit shall not constitute the waiver of any requirement of the City's Ordinances or regulations, except where a condition set forth herein specifically provides for a waiver.
- 18. The Applicant shall agree to defend, indemnify and hold harmless the City of Imperial and its agents, including consultants, officers and employees from any claim, action or proceeding against the City or its agents, including consultants, officers and employees to attack, set aside, void, or annul the approval of the Conditional Use Permit. This indemnification obligation shall include, but not be limited to, damages, costs, expenses, attorney's fees, or expert witness costs that may be asserted by any person or entity, including the Property Owner/ Applicant arising out of or in connection with the approval of the Conditional Use Permit and Variance Permit, including any claim for private attorney general fees claimed by, or awarded to any party from the City.
- 19. All conditions of approval for this Conditional Use Permit shall be reprinted and included as a plan sheet(s) with the building permit plan check sets submitted for review and approval. These conditions of approval shall be on, at all times, all grading, landscaping, and construction plans kept on the project site. It is the responsibility of the applicant to ensure that the project contractor is aware of, and abides by, all conditions of approval. Prior approval from the Community Development Department must be received before any changes are constituted in site design, grading, building design, building colors or materials, landscape material, etc.
- 20. The provisions of the permit are to run with the land/ project and shall bind the current and future owner(s) successor(s) in interest, assignee(s) and/or transferor(s) of said project.
- 21. All obsolete or unused communication facilities shall be removed by the applicant within six months after the use of that facility has ceased or the facility has been abandoned. The applicant shall notify the Community Development department at the time of the abandonment, and all disturbance related to the communication facility shall be restored to pre-project condition.
- 22. If the Community Development Department finds and determines that the Permittee or successor- ininterest has not complied or cannot comply with the terms and conditions of the Conditional Use Permit or the Community Development Department determines that the permitted activities constitute a nuisance, the City shall provide Permittee with notice and opportunity to comply with the enforcement or abatement order. If after receipt of the order (1) Permittee fails to comply, and/ or (2) Permittee cannot comply with the conditions set forth in the CUP then the matter shall be referred to the Planning Commission for permit modification, suspension, or termination, or to the appropriate enforcement authority.

- 23. As between the City and the Permittee, any violation of this permit may be a "nuisance per se". The City may enforce the terms and conditions of this permit in accordance with its Codified Ordinances and/or State law. The provisions of this paragraph shall not apply to any claim of nuisance per se brought by a third party.
- 24. In the event the facility is operated or maintained to constitute a public nuisance consistent with Municipal Code Chapter 14 Abatement of Nuisances, then abatement shall follow all necessary procedures set forth in Chapter 14.
- 25. In the event a heritage resource or other item of historical or archaeological interest is discovered during grading and construction activities, the project proponent shall ensure that all such activities cease within 50 feet of the discovery until an archaeologist can examine the find in place and determine its significance. If the find is determined to be significant and authenticated, the archaeologist shall determine the proper method(s) for handling the resource or item. Grading and construction activities may resume after the appropriate measures are taken or the site is determined not be of significance.
- 26. In the event of the discovery of human remains, all work is to stop, and the County coroner shall be immediately notified pursuant to Section 7050.5 of the Health and Safety Code and Section 5097.98 of the Public Resources Code. If the remains are determined to be Native American, the Coroner must contact the Native American Heritage Commission within 24 hours. The treatment and disposition of human remains shall be completed consistent with guidelines of the Native American Heritage Commission.

RESOLUTION PC2018-09

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF IMPERIAL APPROVING A CONDITIONAL USE PERMIT CUP(18-04) TO ALLOW FOR MODIFICATIONS AT AN EXISTING TELECOMMUNICATION FACILITY AT 2335 HWY 86; IMPERIAL, CA 92251

(IMPERIAL MOVIE THEATER- AT&T CELL SITE)

WHEREAS, AT & T representative Tim Henion submitted a Conditional Use Permit application to allow for the modifications of an existing telecommunications facility at 2335 HWY 86; Imperial, CA 92251; and

WHEREAS, a duly notified public hearing was held by the Planning Commission on June 8, 2018; and

WHEREAS, upon hearing and considering all testimony and arguments, analyzing the information submitted by staff and considering any written comment received, the Planning Commission considered all facts relating to the request for a Conditional Use Permit.

NOW THEREFORE, BE IT RESOLVED by the Planning Commission of the City of Imperial as follows:

- A) That the foregoing recitations are true and correct; and
- B) The project has been reviewed in accordance with the requirements set forth by the City of Imperial for implementation of the California Environmental Quality Act; and
- C) There are no sensitive resources located within the area of the project or adjacent to the area of the project so as to be significantly impacted by the project; and
- D) That based on the evidence presented at the public hearing, the Planning Commission hereby determines that the project is Categorically Exempt under Section 15303 of the California Environmental Quality Act; and
- E) That the operation of a telecommunications facility is consistent with those uses allowed or conditionally allowed in the C-2 General Commercial Zone.
- F) That based on the evidence presented at the public hearing, the Planning Commission hereby **APPROVES** Conditional Use Permit # CUP (18-04) (Imperial Movie Theater/AT&T Cell Site) for modifications on the existing cell site, subject to the conditions of approval outlined in Exhibit A and based on the following findings:
 - 1. That the proposed location, size, design, and operating characteristics of the proposed use is in accord with the Title and Purpose of this Ordinance, the Purpose of the zone in which the site is located, the Imperial General Plan, and the development policies and standard of the City.
 - 2. That the location, size, design, and operating characteristics of the proposed use will be compatible with and will not adversely affect or be materially detrimental to

adjacent uses, residents, buildings, structures, or natural resources with consideration given to those items listed in Section 24.19.340.B of the Imperial Zoning Ordinance.

- 3. That the proposed location, size, design, and operating characteristics of the proposed use and the conditions under which it would be operated or maintained will not be detrimental to the public health, safety, or welfare, or materially injurious to properties or improvements in the vicinity.
- 4. That the proposed Conditional Use will comply with each of the applicable provisions of the Zoning Ordinance, except for an approved Variance.

PASSED, ADOPTED AND APPROVED by the Planning Commission of the City of Imperial, this 13th day of June 2018.

Planning Commission Chairman

ATTEST:

Planning Secretary

LEGAL DESCRIPTION

PART 2 OF LLA ALSO BEING POR LOTS 12 & 13 DAVIS SUB

FA NUMBER: 10546464 / SITE ID: IC0732 LTE EXTENDED CARRIER (1x XMU)/ LTE 4C (FIRST NET)/ LTE 5C (AWS3) SITE NAME: COSTCO EL CENTRO

SITE INFORMATION CAL GRAN ENTERTAINMENT PROPERTIES, LLC PROPERTY OWNER: 3170 SANTA MARIA WAY SANTA MARIA, CA 93455 CONTACT: BOBBY GRAIN JR. PH: (559) 706-7311 SITE MANGER: MICHELLE SAMPSON AT&T MOBILITY 5738 PACIFIC CENTER BLVD. SAN DIEGO, CA 92121 2335 HIGHWAY 86 IMPERIAL, CA 92251 NAD-83 32° 49' 16.11984" N (32.8211444) 115° 34' 15.21012" W (-115.5708917) IMPERIAL COUNTY UNMANNED OUTDOOR TELECOMMUNICATIONS EQUIPMENT 064-433-014 UNMANNED OUTDOOR TELECOMMUNICATIONS EQUIPMENT ROOFTOP C-2 TYPE OF CONSTRUCTION: V-B, IIB OCCUPANCY GROUP: S-1

APPLICANT ADDRESS:

SITE ADDRESS

LAT/LONG TYPE LATITUDE: LONGITUDE: ZONING JURISDICTION CURRENT USE: ASSESSOR'S PARCEL NO .: PROPOSED USE: STRUCTURE TYPE: ZONING CLASSIFICATION:

DO NOT SCALE DRAWINGS

SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

PROJECT TEAM

CLIENT REPRESENTATIVE: DEPRATTI, INC. 13948 CALLE BUENO GANAR JAMUL, CA 91935 CONTACT: CAITLYN KES EMAIL: ckes@deprattiinc.com PHONE: (858) 572-9938

PLANNING CONTACT: DEPRATTI, INC. 13948 CALLE BUENO GANAR JAMUL, CA 91935 CONTACT: CAITLYN KES EMAIL: ckes@deprattiinc.com PHONE: (858) 572-9938

LEASING CONTACT: DEPRATTI, INC. 13948 CALLE BUENO GANAR JAMUL, CA 91935 CONTACT: CATHY LIM EMAIL: clim@deprattiinc.com PHONE: (858) 688-0955

ENGINEER: M SQUARED WIRELESS 1387 CALLE AVANZADO SAN CLEMENTE, CA 92673 CONTACT: MICHAEL MONTELLO PHONE: (949) 391-6824 www.msquaredwireless.com

RF ENGINEER: AT&T 5738 PACIFIC CENTER BLVD. SAN DIEGO, CA 92121

CONSTRUCTION MANAGER: DEPRATTI, INC. 13948 CALLE BUENO GANAR JAMUL, CA 91935 CONTACT: TIM HENION EMAIL: thenion@deprattiinc.com PHONE: (503) 519-8591



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Wall Rd







כנ	FOR THE PURPOSE OF CONSTRUCTION DRAWINGS THE FOLLOWING DEFINITIONS SHALL APPLY
•	GENERAL CONTRACTOR — GENERAL CONTRACTOR
	OWNER – AT&T
2.	ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND AT&T PROJECT SPECIFICATIONS.
5.	GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE HIMSELF WITH
	AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING FAMILIARIZING HIMSELF WORK AND SECONDUCTION OF A RESPONSIBLE FOR FAMILIARIZING FAMI
	AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE
L.	ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
•	CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES
	AUTHORITY REGARDING THE PERFORMANCE OF WORK.
) .	ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
ò.	UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT,
7	DRAWINGES, AND EADOR NECESSART TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWING ARE NOT TO BE COALED. THESE PLANS ARE INTENDED TO BE A PLACEANIMATIC OUTLINE ONLY.
· ·	UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED.
	SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS.
	THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE
	INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH
	MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK
8.	THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH
).	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.
0.	GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND
	SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
1.	GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
2.	ERECTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN
7	PLUMB AND TRUE AS INDICATED ON THE DRAWINGS.
3.	SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH UL LISTED MATERIALS APPROVED BY LOCAL JURISDICTION. SUBCONTRACTOR SHALL KEEP AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DEBRIS.
4.	WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. SUBCONTRACTOR SHALL
	NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS
5.	SUBCONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO
6.	COMMENCEMENT OF WORK. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND
	STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE
7.	THE SUBCONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF
8.	CONSTRUCTION. GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND
a	SUBCONTRACTORS TO THE SITE AND/OR BUILDING.
9.	CONSTRUCTION UNTIL JOB COMPLETION.
20.	THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
21.	THE GENERAL CONTRACTOR AND SUBCONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A
	TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
Ζ.	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
	SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL
23.	PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, D) TRENCHING & EXCAVATION. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE
	EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT
	RESPONSIBLE ARCHITECT/ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL
4.	UTILITIES. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER.
	EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT
5.	SUBCONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION
	FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
6.	NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUNDING. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT
7.	THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT
	DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH
28	FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION. ALL NECESSARY RUBBISH. STUMPS. DEBRIS. STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED
2.	FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
9.	ALL BROUTIONES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION
50	AND PRIOR TO PAYMENT. SUBCONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR
- · 1	UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
ı. 2.	THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER
53	SERVICE, AND IS NOT FOR HUMAN HABITAT (NO HANDICAP ACCESS REQUIRED). OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION APPROXIMATELY 2 TIMES PER
ے. ۸	MONTH, BY AT&T TECHNICIANS.
4. 5.	ALL MATERIAL SHALL BE FURNISHED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST
	REVISION AT&T GROUNDING STANDARD "TECHNICAL SPECIFICATION FOR CONSTRUCTION OF GSM/GPRS WIRELESS SITES" AND "TECHNICAL SPECIFICATION FOR FACILITY OPOLINIDING" IN CASE OF A CONFLICT
	BETWEEN THE CONSTRUCTION SPECIFICATION AND THE DRAWINGS, THE DRAWINGS SHALL GOVERN.
6.	SUBCONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF SUBCONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL
37	CONTRACTOR IMMEDIATELY.
8.	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 OR PROCEEDING WITH CONSTRUCTION.
<i>.</i> 9	NO WHITE STROBIC LIGHTS ARE PERMITTED. LIGHTING IF REQUIRED, WILL MEET FAA STANDARDS AND
0.	ALL COAXIAL CABLE INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
1.	NO NOISE, SMOKE, DUST, OR VIBRATIONS WILL RESULT FROM THIS FACILITY. (DISREGARD THIS NOTE IF

43. NO LANDSCAPING IS PROPOSED AT THIS SITE, UNLESS NOTED OTHERWISE.

ECTRICAL NOTES:

ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE W/DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING 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.

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 EXISTING 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 HIS BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.

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:

C – NATIONAL FIRE CODES A. UL – UNDERWRITERS LABORATORIES

B. NEC - NATIONAL ELECTRICAL CODE

C. NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.

D. OSHA – OCCUPATIONAL SAFETY AND HEALTH ACT E. SBC - STANDARD BUILDING CODE

DO NOT SCALE ELECTRICAL DRAWINGS, REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH 'CONSTRUCTION MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED.

EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.

CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING EQUIPMENT. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.

CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC... ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK. MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE.

ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.

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 BE PLACED IN PROPER WORKING ORDER. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY AT&T.

ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS. WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS

OF CONSTRUCTION. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.

THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC

LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR

ALL OUTLETS AS INDICATED. DITCHING 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. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE PROPOSED AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCLED THE

REQUIREMENTS OF THE NEC, NEMA AND IECE. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURES CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION

MANAGER PRIOR TO INSTALLATION. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO

THE SATISFACTION OF THE 'CONSTRUCTION MANAGER' UPON FINAL ACCEPTANCE. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.

ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NO-OXIDE A" BY DEARBORNE CHEMICAL CO. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS. RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC MEETING OR EXCEEDING NEMA TC2 - 1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF 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. RADIUS. 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'. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.

CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, 800 VOLT,

COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STRANDED CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.

CONNECTORS FOR POWER 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.

SERVICE: 240/120V, SINGLE PHASE, 3 WIRE CONNECTION AVAILABLE FROM UTILITY COMPANY. OWNER OR OWNERS AGENT WILL APPLY FOR POWER. TELEPHONE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.

ELECTRICAL AND TELCO RACEWAYS TO BE BURIED A MINIMUM OF 2' DEPTH.

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". ALL BOLTS SHALL BE STAINLESS STEEL

GROUNDING NOTES:

- EXOTHERMIC WELD.
- LABEL EACH SECTION ("P", "A", "N", "I") WITH 1" HIGH LETTERS. 3. ALL HARDWARE 18-8 STAINLESS STEEL, INCLUDING LOCK WASHERS, COAT ALL SURFACES
- STEEL 3/8 INCH DIAMETER OR LARGER.
- STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
- ON THE BACK SIDE. 6. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION, AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.
- MOUNTING THE GROUNDING BAR TO THE TOWER. 8. ALL ELECTRICAL AND GROUNDING AT THE CELL SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST

EDITION), AND MANUFACTURER.

1. COMPRESSION CONNECTIONS (2), 2 AWG BARE TINNED SOLID COPPER CONDUCTORS TO GROUNDING BAR. ROUTE CONDUCTORS TO BURIED GROUNDING RING AND PROVIDE PARALLEL 2. EC SHALL USE PERMANENT MARKER TO DRAW THE LINES BETWEEN EACH SECTION AND

WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS

4. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND 5. NUT & WASHER SHALL BE PLACED ON THE FRONT SIDE OF THE GROUNDING BAR AND BOLTED WHEN THE SCOPE OF WORK REQUIRES THE ADDITION OF A GROUNDING BAR TO AN EXISTING TOWER, THE SUBCONTRACTOR SHALL OBTAIN APPROVAL FROM THE TOWER OWNER PRIOR TO



SITE WORK & DRAINAGE

PART 1 – GENERAL	3.3	TRE
CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH	А.	DIF
GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.		INC
 A. DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-CURRENT EDITION). B. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS). 	В.	RE BA
C. OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).	3.4 A.	TRE PRC
.2 INSPECTION AND TESTING: A. FIELD TESTING OF EARTHWORK COMPACTION AND CONCRETE CYLINDERS SHALL BE PERFORMED BY SUBCONTRACTORS INDEPENDENT TESTING LAR, THIS WORK TO BE COORDINATED BY THE SUBCONTRACTOR	B. C.	
3. 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	D.	ACC PLA UNC
RESPONSIBILITY TO REQUEST TIMELY INSPECTIONS PRIOR TO PROCEEDING WITH FURTHER WORK THAT WOULD MAKE PARTS OF WORK INACCESSIBLE OR DIFFICULT TO INSPECT.	E. F.	PRC
.3 SITE MAINTENANCE AND PROTECTION: A. PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF	G.	8-1 CON
THE SUBCONTRACT. 3. AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED		ORL
FOR REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK. C. KEEP SITE FREE OF ALL PONDING WATER	3.5 A.	AG(CLE
). PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT AND EPA REQUIREMENTS. PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES	D	THE
NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.	Б.	DEN
OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE ENGINEER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.	0.	INS ALC
PROVIDE A MINIMUM 48-HOUR NOTICE TO THE ENGINEER AND RECEIVE WRITTEN NOTICE TO PROCEED	1.	ROL OVE
DEFORE INTERRUPTING ANT UTILITY SERVICE.		OVE SHA
1 SUITABLE BACKEULT ASTM D2321 (CLASS L. II. III. OR IVA) EREE EROM EROZEN LUMPS	2.	tra The
EFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL.	3.	ALL
.2 NON-POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS III, IVA OR IVB) COARSE GGREGATE. FREE FROM FROZEN LUMPS, REFUSE, STONES OR ROCKS LARGER THAN 3 INCHES IN ANY	D.	TRA THE
MMENSION OR OTHER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL. 3.3 POROUS GRANULAR EMBANKMENT AND BACKFILL: ASTM D2321 (CLASS IA, IB OR II) COARSE AGGREGATE REF FROM FROZEN LUMPS REFLISE STONES OR ROCKS LARGER THAN 3 INCHES IN ANY DIMENSION OR		INC EN[
THER MATERIAL THAT MAY MAKE THE INORGANIC MATERIAL UNSUITABLE FOR BACKFILL. 2.4 SELECT STRUCTURAL FILL: GRANULAR FILL MATERIAL MEETING THE REQUIREMENTS OF ASTM E850-95.		
OR USE AROUND AND UNDER STRUCTURES WHERE STRUCTURAL FILL MATERIAL ARE REQUIRED. 2.5 GRANULAR BEDDING AND TRENCH BACKFILL: WELL—GRADED SAND MEETING THE GRADATION REQUIREMENTS	E.	FAE
1 ASTM D2487 (SE OR SW-SM). .6 COARSE AGGREGATE FOR ACCESS ROAD SUBBASE COURSE SHALL CONFORM TO ASTM D2940. .7 UNSUITABLE MATERIAL HIGH AND MODERATELY PLASTIC SUITS AND CLAYS (11>45) MATERIAL CONTAINING.		DR) PNE
EFUSE, FROZEN LUMPS, DEMOLISHED BITUMINOUS MATERIAL, VEGETATIVE MATTER, WOOD, STONES IN EXCESS OF 3 INCHES IN ANY DIMENSION, AND DEBRIS AS DETERMINED BY THE CONSTRUCTION MANAGER. TYPICAL	3.6	FIN
HESE WILL BE SOILS CLASSIFIED BY ASTM AS PT, MH, CH, OH, ML, AND OL. 2.8 GEOTEXTILE FABRIC: MIRAFI 500X OR APPROVED EQUAL. 2.9 PLASTIC MARKING TARE: SHALL RE ACID AND ALKALL RESISTANT POLYETHYLENE FILM SPECIFICALLY.	A.	PEF SUF
ANUFACTURED FOR MARKING TAPE. SHALL BE ACID AND ALKALI RESISTANT POLITEITTLENE HILM SPECIFICALLY ANUFACTURED FOR MARKING AND LOCATING UNDERGROUND UTILITIES, 6 INCHES WIDE WITH A MINIMUM HICKNESS OF 0.004 INCH. TAPE SHALL HAVE MINIMUM STRENGTH OF 1500 PSI IN BOTH DIRECTIONS AND	В.	COI UTI FILI
ANUFACTURED WITH INTEGRAL CONDUCTORS, FOIL BACKING OR OTHER MEANS TO ENABLE DETECTION BY A AETAL DETECTOR WHEN BURIED UP TO 3 FEET DEEP. THE METALLIC CORE OF THE TAPE SHALL BE ENCASED	C.	ACH
N A PROTECTIVE JACKET OR PROVIDED WITH OTHER MEANS TO PROTECT IT FROM CORROSION. TAPE COLOR SHALL BE RED FOR ELECTRIC UTILITIES AND ORANGE FOR TELECOMMUNICATION UTILITIES.	D.	ref The
PART 2 – EXECUTION	3.7	
3.1 GENERAL:	В.	SEC
A. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE		
B. BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK.		
C. CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE	EN	IV.
AREA TO BE CLEARED.	<u>L I</u> 1.	ALI
GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE, RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO	2.	CO ER
LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.		RO
DEFINITION OF TOPSOIL MATERIAL COMPLETELT FROM THE SURFACE UNTIL THE SUIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS. MEXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED. FILL DEPRESSIONS RESULTING FROM	3.	CO ME
CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE FILL. D. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM	4.	NU AD RF
CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED. E. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIEVATION OF FEATURES INDICATED ON THE DRAWINGS AND TO ADDRESS IN THE SUBJECT OF	5.	CO CO
VERTET THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION NOTIFY THE CONSTRUCTION MANAGER OF ANY	6. -	
OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS. 5. SEPARATE AND STOCK PILE ALL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED	/. ×	PO: CO
AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.	0.	BY LOS
3.2 BAUKFILL: A. AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE BACKEUL THE	^	LEA BAI
EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.	9.	RIP

1. PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.

AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

- 2. BACKFILL BY PLACING AND COMPACTING SUITABLE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8-INCHES LOOSE THICKNESS AND COMPACTED. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED. 3. WHENEVER THE DENSITY TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE SPECIFICATION REQUIREMENTS ARE
- MET UNLESS OTHERWISE AUTHORIZED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DISKING AND DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE MINIMUM COMPACTION REQUIREMENTS. B. THOROUGHLY COMPACT EACH LAYER OF BACKFILL TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY

ICH EXCAVATION:

IY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS CTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO VENT CAVING OR SLOUGHING OF THE TRENCH WALLS. EXTEND THE TRENCH WIDTH A MINIMUM OF 6 HES BEYOND THE OUTSIDE EDGE OF THE OUTERMOST CONDUIT.

SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, BACKFILL AT THE UIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION AND KFILL WITH GRANULAR BEDDING MATERIAL.

CH BACKFILL: IDE GRANULAR BEDDING MATERIAL IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY IREMENTS.

TY THE GENERAL CONTRACTOR 24 HOURS IN ADVANCE OF BACKFILLING. UCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE PTANCE TESTING.

GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6-INCH MPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO AROUND CONDUITS.

ECT CONDUIT FROM LATERAL MOVEMENT. IMPACT DAMAGE, OR UNBALANCED LOADING. THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN CH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE. ACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING STURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH BUT NO LESS THAN A MINIMUM OF 95% HE MAXIMUM DRY DENSITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 698.

EGATE ACCESS ROAD:

, GRUB, STRIP AND EXCAVATE FOR THE ACCESS ROAD TO THE LINES AND GRADES INDICATED ON DRAWINGS. SCARIFY TO A DEPTH OF 6 INCHES AND PROOF-ROLL. ALL HOLES, RUTS, SOFT PLACES OTHER DEFECTS SHALL BE CORRECTED. ENTIRE SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY

ITY AS PROVIDED BY THE STANDARD PROCTOR TEST, ASTM D 1557. PREPARATION OF THE SUBGRADE IS COMPLETE THE GEOTEXTILE FABRIC (MIRAFI 500Xi) SHALL BE LLED TO THE LIMITS INDICATED ON THE DRAWINGS BY ROLLING THE FABRIC OUT LONGITUDINALLY G THE ROADWAY. THE FABRIC SHALL NOT BE DRAGGED ACROSS THE SUBGRADE. PLACE THE ENTIRE IN A SINGLE OPERATION, ROLLING OUT AS SMOOTHLY AS POSSIBLE.

LAPS PARALLEL TO THE ROADWAY WILL BE PERMITTED AT THE CENTERLINE AND AT LOCATIONS ND THE ROADWAY SURFACE WIDTH (I.E. WITHIN THE SHOULDER WIDTH) ONLY. NO LONGITUDINAL LAPS SHALL BE LOCATED BETWEEN THE CENTERLINE AND THE SHOULDER. PARALLEL OVERLAPS BE A MINIMUM OF 3 FEET WIDE.

SVERSE (PERPENDICULAR TO THE ROADWAY) OVERLAPS AT THE END OF A ROLL SHALL OVERLAP IN DIRECTION OF THE AGGREGATE PLACEMENT (PREVIOUS ROLL ON TOP) AND SHALL HAVE A MINIMUM TH OF 3 FEET.

OVERLAPS SHALL BE PINNED WITH STAPLES OR NAILS A MINIMUM OF 10 INCHES LONG TO INSURE IONING DURING PLACEMENT OF AGGREGATE. PIN LONGITUDINAL SEAMS AT 25 FOOT CENTERS AND SVERSE SEAMS EVERY 5 FEET.

AGGREGATE BASE AND SURFACE COURSES SHALL BE CONSTRUCTED IN LAYERS NOT MORE THAN 4 (COMPACTED) THICKNESS. AGGREGATE TO BE PLACED ON GEOTEXTILE FABRIC SHALL BE DUMPED ON THE FABRIC FROM THE FREE END OF THE FABRIC OR OVER PREVIOUSLY PLACED EGATE. THE FIRST LIFT SHALL BE BLADED DOWN TO A THICKNESS OF 8 INCHES PRIOR TO ACTION. AT NO TIME SHALL EQUIPMENT, EITHER TRANSPORTING THE AGGREGATE OR GRADING THE EGATE, BE PERMITTED ON THE ROADWAY WITH LESS THAN 4 INCHES OF MATERIAL COVERING THE

AGGREGATE SHALL BE IMMEDIATELY COMPACTED TO NOT LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY AS PROVIDED BY THE PROCTOR TEST, ASTM D 1557 WITH A TAMPING ROLLER, OR WITH A MATIC-TIRED ROLLER. OR WITH A VIBRATORY MACHINE OR ANY COMBINATION OF THE ABOVE. THE LAYER SHALL BE GIVEN A FINAL ROLLING WITH A THREE-WHEEL OR TANDEM ROLLER.

GRADING:

DRM ALL GRADING TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN ACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE ATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES. ZE SATISFACTORY FILL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS. IVE FINISHED GRADE BY PLACING A MINIMUM OF 4 INCHES OF 1/2" – 3/4" CRUSHED STONE ON SOIL STABILIZER FABRIC. IR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO ORIGINAL CONDITION.

IALT PAVING ROAD:

ON 600 – KDOT FLEXIBLE PAVEMENT. (UPDATE PER LOCAL DOT) ON 403 – MODOT ASPHALT CONCRETE PAVEMENT.

RONMENTAL NOTES

WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE ONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION. RACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF

SION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, WAYS AND WATERWAYS AND SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL ECTION & RELEASE OF SITE.

RACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE SURES WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION. SEDIMENT SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING QUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE JIRED IN ANY AREAS SUBJECT TO EROSION.

RACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT ROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.

RING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A IUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED. ING AND MULCHING AND/OR SODDING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS SIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE. RACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED

OCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS ING THE CONSTRUCTION AREA. THIS MAY INCLUDE SUCH MEASURES AS SILT FENCES, STRAW SEDIMENT BARRIERS, AND CHECK DAMS.

RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES

STRUCTURAL CONCRETE NOTES

- 1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301-10. ACI 318-08 AND THE SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- 2. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH fc'=2,500 PSI AT 28 DAYS UNLESS NOTED OTHERWISE. 3. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES
- CLASS "B" AND ALL HOOKS SHALL BE STANDARD UNLESS NOTED OTHERWISE. 4. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

CONCRETE EXPOSED TO EARTH OR WEATHER: #6 AND LARGER.....2 IN. #5 AND SMALLER & WWF $\dots 1-1/2$ IN.

CONCRETE NOT EXPOSED TO EARTH OR WEATHER OR NOT CAST AGAINST THE GROUND: SLAB AND WALL3/4 IN. BEAMS AND COLUMNS.....1-1/2 IN.

5. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE U.N.O. IN ACCORDANCE WITH ACI 301 SECTION 4.2.4. 6. HOLES TO RECEIVE EXPANSION/WEDGE ANCHORS SHALL BE 1/8" LARGER IN DIAMETER THAN THE ANCHOR BOLT, DOWEL OR ROD AND SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. LOCATE AND AVOID CUTTING EXISTING REBAR

- WHEN DRILLING HOLES IN ELEVATED CONCRETE SLABS.
- 7. USE AND INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER ICBO & MANUFACTURER'S WRITTEN RECOMMENDED PROCEDURES.

STRUCTURAL STEEL NOTES

- CONSTRUCTION. STEEL SECTIONS SHALL BE IN ACCORDANCE WITH ASTM AS INDICATED BELOW: W-SHAPES: ASTM A992, 50 KSI ANGLES, BARS CHANNELS: ASTM A36, 36 KSI HSS SECTIONS: ASTM 500, 46 KSI PIPE SECTIONS: ASTM A53-E, 35 KSI
- 2. ALL EXTERIOR EXPOSED STEEL AND HARDWARE SHALL BE HOT DIPPED GALVANIZED. 3. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC.WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION". PAINTED SURFACES SHALL BE TOUCHED UP.
- 4. BOLTED CONNECTIONS SHALL BE ASTM A325 BEARING TYPE 3/4"Ø CONNECTIONS AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
- NOTED OTHERWISE.
- 6. FIELD MODIFICATIONS ARE TO BE COATED WITH ZINC ENRICHED PAINT.

1. ALL STEEL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL

5. NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIA. ASTM A307 BOLTS UNLESS





NOTES:

- 1. THE WIRELESS COMMUNICATION FACILITY COMPLIES WITH FEDERAL STANDARDS FOR RADIO FREQUENCY IN ACCORDANCE WITH THE TELECOMMUNICATION ACT OF 1996 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 PROPOSED INSTALLATION.
- 3. THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT LAND SURVEY. ALL PROPERTY LINES, EASEMENTS, SETBACKS, AND EXISTING CONDITIONS ARE APPROXIMATE AND SHALL BE VERIFIED PRIOR TO START OF CONSTRUCTION.

24"x36" SCALE: 1" = 50'-0"

11"x17" SCALE: 1" = 100'-0"

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DISCLAIMER: THIS SET OF DRAWINGS WAS PREPARED UTILIZING INFORMATION OBTAINED FROM PUBLIC DOCUMENTS MADE AVAILABLE ON THE JURISDICTIONS WEBSITE. M SQUARED WIRELESS CANNOT GUARANTEE THE ACCURACY OF THE DATA AND INFORMATION DEPICTED ON THE JURISDICTIONS WEBPAGE AND HEREBY EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR THE TRUTH, VALIDITY, INVALIDITY, ACCURACY, INACCURACY OF ANY SAID DATA AND INFORMATION. THE PARCEL LINES ON MAPS ARE FOR ILLUSTRATION PURPOSES ONLY AND ARE NOT INTENDED TO BE USED AS A SURVEY PRODUCT. USER ACCEPTS RESPONSIBILITY FOR THE UNAUTHORIZED USE OR TRANSMISSION OF ANY SUCH DATA OR INFORMATION IN ITS ACTUAL OR ALTERED FORM.





EQUIPMENT LAYOUT PLAN





. NO NEW BATTERIES ARE TO BE ADDED AS PART OF THIS PROJECT



24"x36" SCALE: 1/2" = 1'-0" 11"x17" SCALE: 1/4" = 1'-0"

2' 1' 0"

SION)	RFDS)					N					RM
SION	TRANOLU	,	RENT	H CURR	INT (VERIFY WITH	BLES REQUIREME	CA				CURRENT RFDS)	TH
	LINE	RAD	NA TH	ANTEN AZIMU	IA MODEL	ANTENN	NEW			TMA/	EXSITING TMA/	s
PART NUMBER	LENGTH	CENTER	NEW	EXISTING	NEW	EXISTING	TECHNOLOGY			COUNT	ANTENNA FILTER	IT
E) FIBER	±70' (55'-6"	-	0°	-	COMMSCOPE SBNHH-1D65B (6'-0")	LTE	A1		-	-	
(E) MAN COAX	±70'	55'-6"	-	0°	-	COMMSCOPE SBNHH-1D65B (6'-0")	UMTS	A2	ECTOR	-	-	
E) FIBER	±70' (55'-6"	0°	-	KATHREIN 800-10991 (6'-6")	-	LTE	A3	HA SE	-	-	
(E) MAN COAX	±70'	55'-6"	-	0°	-	COMMSCOPE SBNHH-1D65B (6'-0")	LTE	A4	ALI	-	-	
E) FIBER	±70' (55'-6"	-	180°	-	COMMSCOPE SBNHH-1D65B (6'-0")	LTE	B1	~	-	-	
(E) MAN COAX	±70'	55'-6"	-	180°	-	COMMSCOPE SBNHH-1D65B (6'-0")	UMTS	B2	ECTOF	-	-	
E) FIBER	±70' (55'-6"	180°	-	KATHREIN 800-10991 (6'-6")	-	LTE	B3	ETA S	-	-	
(E) MAN COAX	±70'	55'-6"	-	180°	-	COMMSCOPE SBNHH-1D65B (6'-0")	LTE	B4		-	-	
E) FIBER	±70'	55'-6"	-	270°	-	COMMSCOPE SBNHH-1D65B (6'-0")	LTE	C1	ц	-	-	
(E) MAN COAX	±70'	55'-6"	-	270°	-	COMMSCOPE SBNHH-1D65B (6'-0")	UMTS	C2	SECTO	-	-	
E) FIBER	±70'	55'-6"	270°	-	KATHREIN 800-10991 (6'-6")	-	LTE	C3	MMA 8	-	-	
(E) MAN COAX	±70'	55'-6"	-	270°	-	COMMSCOPE SBNHH-1D65B (6'-0")	LTE	C4	GA	-	-	
E) FIBER (E) MAN COAX E) FIBER (E) MAN COAX E) FIBER (E) MAN COAX	±70' (±70' (±70' (±70' (±70' (±70' (55'-6" 55'-6" 55'-6" 55'-6" 55'-6"	180° - - 270° -	- 180° 270° 270° - 270°	KATHREIN 800-10991 (6'-6") - - - KATHREIN 800-10991 (6'-6") -		- - COMMSCOPE SBNHH-1D65B (6'-0") COMMSCOPE SBNHH-1D65B (6'-0") COMMSCOPE SBNHH-1D65B (6'-0") COMMSCOPE SBNHH-1D65B (6'-0") - - COMMSCOPE SBNHH-1D65B (6'-0")	LTE-LTE-LTECOMMSCOPE SBNHH-1D65B (6'-0")LTECOMMSCOPE SBNHH-1D65B (6'-0")UMTSCOMMSCOPE SBNHH-1D65B (6'-0")LTE-LTE-LTECOMMSCOPE SBNHH-1D65B (6'-0")LTE-	B3LTE-B4LTECOMMSCOPE SBNHH-1D65B (6'-0")C1LTECOMMSCOPE SBNHH-1D65B (6'-0")C2UMTSCOMMSCOPE SBNHH-1D65B (6'-0")C3LTE-C4LTECOMMSCOPE SBNHH-1D65B (6'-0")	M B3 LTE - B4 LTE COMMSCOPE SBNHH-1D65B (6'-0") V C1 LTE COMMSCOPE SBNHH-1D65B (6'-0") V C1 LTE COMMSCOPE SBNHH-1D65B (6'-0") V C2 UMTS COMMSCOPE SBNHH-1D65B (6'-0") C3 LTE - C4 LTE COMMSCOPE SBNHH-1D65B (6'-0")	- B3 LTE - - B4 LTE COMMSCOPE SBNHH-1D65B (6'-0") - P C1 LTE COMMSCOPE SBNHH-1D65B (6'-0") - P C1 LTE COMMSCOPE SBNHH-1D65B (6'-0") - P C2 UMTS COMMSCOPE SBNHH-1D65B (6'-0") - C3 LTE - 0 C4 LTE COMMSCOPE SBNHH-1D65B (6'-0")	· · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · <t< td=""></t<>

NEW EAST ELEVATION

TOP OF (E) SCREEN WALL. ±60'-0" A.G.L. TOP OF (E) AT&T 6'-0" ANTENNAS ±58'-6" A.G.L. RAD CENTER OF (E) 6'-0" AT&T ANTENNAS ±55'-6" A.G.L.	 (E) FRP SCREEN WALL, TYP
	(E) BUILDING, TYP. ———
GROUND LEVEL	
• ^{o-o} "A.G.L. XISTING EAST ELEVATION	
TOP OF (E) SCREEN WALL. ±60'-0" A.G.L. TOP OF (N) AT&T 6'-6" ANTENNA ±58'-9" A.G.L. TOP OF (E) AT&T 6'-0" ANTENNAS ±58'-6" A.G.L. RAD CENTER OF (N) & (E) AT&T ANTENNAS ±55'-6" A.G.L.	(E) FRP SCREEN WALL, TYP (E) AT&T RRUS 32 MOUNTED TO (E) AT&T RRUS 32 MOUNTED TO (E) 2"Ø PIPE MOUNT TO REMIAN; (1) PER SECTOR, (3) TOTAL (E) AT&T 6'-0" ANTENNA MOUNTED TO (E) 2"Ø PIPE MOUNT TO REMIAN (3) PER SECTOR, (9) TOTAL
 TOP OF (E) SCREEN WALL. t60'-0" A.G.L. TOP OF (N) AT&T 6'-6" ANTENNA t58'-9" A.G.L. TOP OF (E) AT&T 6'-0" ANTENNAS t58'-6" A.G.L. RAD CENTER OF (N) & (E) AT&T ANTENNAS t55'-6" A.G.L. 	(E) FRP SCREEN WALL, TYP. (E) AT&T RRUS 32 MOUNTED TO - (E) 2"Ø PIPE MOUNT TO REMIAN; (1) PER SECTOR, (3) TOTAL (E) AT&T 6-0" ANTENNA MOUNTED TO (E) 2"Ø PIPE MOUNT TO REMIAN (3) PER SECTOR, (9) TOTAL (E) BUILDING, TYP.
TOP OF (E) SCREEN WALL ±60'-0' A.G.L TOP OF (E) AT&T 6'-6'' ANTENNA ±58'-9'' A.G.L RAD CENTER OF (N) & (E) AT&T ANTENNAS ±55'-6'' A.G.L	(E) FRP SCREEN WALL, TYP (E) AT&T RRUS 32 MOUNTED TO (E) 2/29 PIPE MOUNT TO REMIAN; (1) PER SECTOR, (3) TOTAL (E) AT&T 6-0° ANTENNA MOUNTED TO (E) 2° 0° PIPE MOUNT TO REMIA (3) PER SECTOR, (9) TOTAL (E) BUILDING, TYP.

NEW SOUTH ELEVATION

TOP OF (E) SCREEN WALL. $\pm 60^{\circ}-0^{\circ}$ A.G.L. TOP OF (E) AT&T 6'-0" ANTENNAS $\pm 58^{\circ}-6^{\circ}$ A.G.L. RAD CENTER OF (E) 6'-0" AT&T ANTENNAS $\pm 55^{\circ}-6^{\circ}$ A.G.L.		
GROUND LEVEL 0-0"A.G.L.	(E) SERVICE POLE	
EXISTING SOUTH ELEVATION		
TOP OF (E) SCREEN WALL. ±60'-0" A.G.L. TOP OF (N) AT&T 6'-6" ANTENNA ±58'-9" A.G.L. TOP OF (E) AT&T 6'-0" ANTENNAS ±58'-6" A.G.L. RAD CENTER OF (N) & (E) AT&T ANTENNAS ±55'-6" A.G.L.		
GROUND LEVEL 0-0" A.G.L.	(E) SERVICE POLE	

	MANUFAC MODEL DIMENS A B C
NOT USED 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8	6'-6" I
MANUFACTURER:ERICSSONMODEL NO.:BASEBANAD R503 XMUDIMENSIONS (HXWXD):1.22" X 13.8" X 11" INCHESWEIGHT:5 LBS (2.27 KG)	
UUS 41 UNIT	NEV BR/
XMUUNIT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7	PAN
MANUFACTURER:ERICSSONMODEL NO.:BASEBANAD 6601 MUDIMENSIONS (HXWXD):2.8" X 19" X 13.7" INCHESWEIGHT:22 LBS (48.4 KG)	NE\ BR/
INSTALLED INSIDE NEW LTE RACK / CABINET	
MANUFACTURER: ERICSSON MODEL NO.: 516 BASE BAND UNIT DIMENSIONS (HXWXD): 2.8" X 19" X 13.78" INCHES WEIGHT: 23LBS	
Image: Second	
6601 MU + 5216 BASEBAND UNIT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6	NEW

NOT USED	24"x36" SCALE: NTS 11"x17" SCALE: NTS	9	NOT
	24"x36" SCALE: NTS		NOT
NOTUSED	11"x17" SCALE: NTS	8	NOT
NOT USED	24"x36" SCALE: NTS 11"x17" SCALE: NTS	7	(E) G

1'' = 188 ft	City of Imperial	04/27/2018	W S E	Statut Course
This map may represents a visual display	of related geographic information. Data	provided here on is not guarantee of acut	tual field conditions. To be sure of comple	ete accuracy, please contact the

responsible staff for most up-to-date information.