

T-Mobile



UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA
800-227-2600
48 HOURS BEFORE YOU DIG

T-Mobile
T-MOBILE WEST LLC

SITE NUMBER: LA33958B
SITE NAME: EL DORADO MODEL AIRPLANE FIELD
(SCE TOWER #:M3-T4 ALAMITOS-CENTER 220kV YEAR BUILT: 1955)
N/O E. WARDLOW ROAD AND E/O STEVELY AVE.
LONG BEACH, CA 90808

THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY & CONFIDENTIAL TO T-MOBILE. ANY USE OR DISCLOSURE OTHER THAN AS IT RELATES TO T-MOBILE IS STRICTLY PROHIBITED.

J5 INFRASTRUCTURE PARTNERS
 AZ - CA - CO - ID - NM - NV - TX - UT
 2030 MAIN STREET, SUITE 200
 IRVINE, CA 92614

NSB SCOPE OF WORK:

SCOPE OF WORK: INSTALLATION OF NEW TELECOMMUNICATION FACILITY CONSISTING OF THE FOLLOWING:

- INSTALL (1) 16'-0" x 16'-0" CHAIN LINK FENCE ENCLOSURE
- INSTALL (1) BBU CABINET ON (1) (P) CONCRETE PAD
- INSTALL (2) RBS 6102 CABINETS ON (1) (P) CONCRETE PAD
- INSTALL (1) GPS ANTENNA
- INSTALL (1) H-FRAME
- INSTALL (1) TELCO CABINET ON (P) H-FRAME
- INSTALL (1) PPC w/GENPLUG ON (P) H-FRAME
- INSTALL (1) CABLE SHRULD
- INSTALL (9) PANEL ANTENNA, (3) PER SECTOR, (3) SECTORS TOTAL
- INSTALL (6) RRU'S, (2) PER SECTOR, (3) SECTORS TOTAL
- INSTALL (1) 2' Ø MW DISH

SITE ADDRESS: N/O E. WARDLOW ROAD AND E/O STEVELY STREET, LONG BEACH, CA 90808
APPLICANT: T-MOBILE WEST CORPORATION 3257 E. GUASTI RD, SUITE 200 ONTARIO, CA 91761

PROPERTY OWNER/LESSOR: SOUTHERN CALIFORNIA EDISON 2 INNOVATION WAY, 1ST FLOOR POMONA, CA 91768
CONTACT: AMIEE WEEKS T-MOBILE WEST, LLC Amiee.Weeks3@t-mobile.com

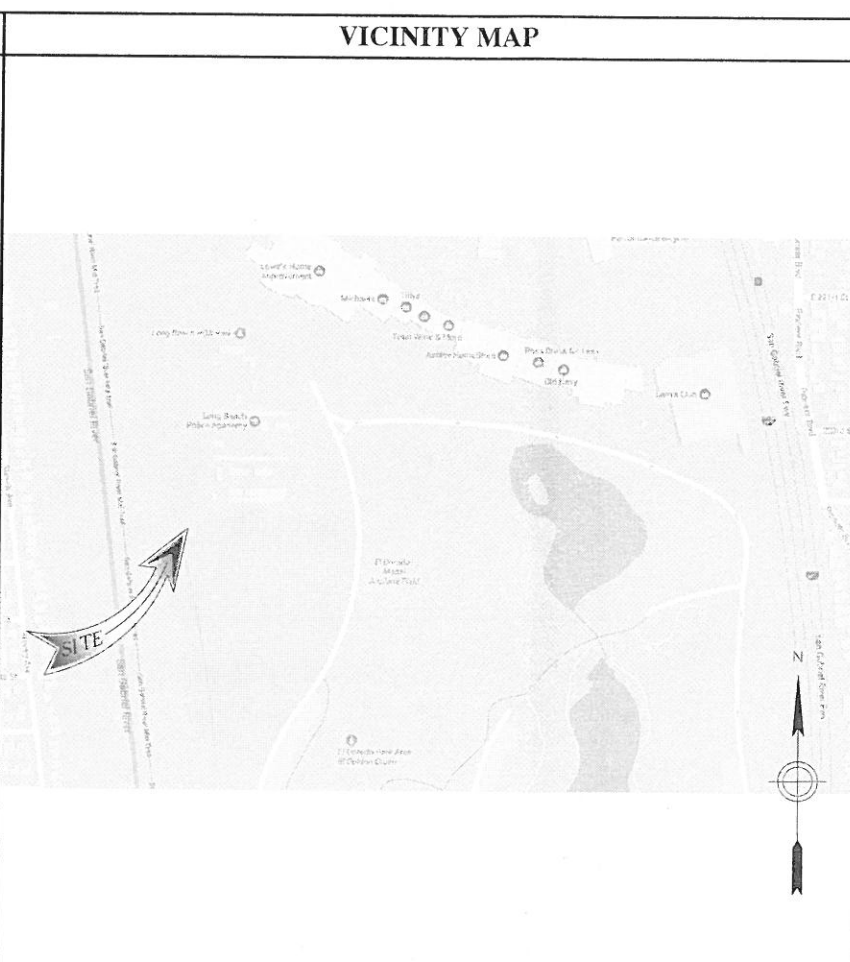
CONTACT PHONE: (626)695-5888
SITE ACQ / ZONING CONTACT: JILLIANNE NEWCOMER J5 INFRASTRUCTURE PARTNERS jnewcomer@j5ip.com (951) 382-2523

ZONING: PUBLIC RIGHT-OF-WAY
JURISDICTION: CITY OF LONG BEACH
LATITUDE: 33° 49' 28.7" N (NAD 83)
LONGITUDE: -118° 05' 27.7" W (NAD 83)
APN: 7075-002-906
ENGINEER: FRANCIS DONG J5 INFRASTRUCTURE PARTNERS fdong@j5ip.com (949) 247-7767 x112

CURRENT USE: SCE LATTICE TOWER
A&E MANAGER: JOHNNAR DE LA CRUZ J5 INFRASTRUCTURE PARTNERS jdelacruz@j5ip.com (949) 247-7767 x189

PROPOSED USE: WIRELESS COMM. FACILITY
RF ENGINEER: CHRISTOPHER GAMBOA T-MOBILE Christopher.Gambo7@T-mobile.com

ACCESSIBILITY REQUIREMENTS: THE FACILITY IS UNMANNED AND NOT FOR CONTINUOUS HUMAN HABITATION. DISABLED/CHALLENGED ACCESS IS NOT REQUIRED PER CBC 2016, SECTION 11B-203.4 (LIMITED ACCESS SPACE)
CONSTRUCTION MANAGER: MATT TRIBBETT VANTAGE COMPANY (951) 897-5601 matthew.tribbett@vantagecompany.com



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APPROVALS:

	PRINT NAME	SIGNATURE	DATE
LAND OWNER:			
DEVELOP. MANAGER:			
CONST. MANAGER:			
PROJECT MANAGER:			
ZONING MANAGER:			
TMO RF ENGINEER:			
SAC. REP:			
CONST. MANAGER:			
NETWORK OPS:			

REV	DATE	DESCRIPTION
8	12/06/17	100% ZD: MINOR REV PER SCE
7	11/27/17	100% ZD: REVISION PER RF
6	11/17/17	100% ZD: REVISION PER SCE
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C	07/14/17	90% ZD REVISION PER DRM
B	07/06/17	90% ZD REVISION PER DRM
A	06/28/17	90% ZD ISSUED FOR REVIEW

STATEMENTS

STRUCTURAL: STRUCTURAL ANALYSIS IS NOT WITHIN THE SCOPE OF WORK CONTAINED IN THIS DRAWINGS SET. FOR ANALYSIS OF EXISTING AND/OR PROPOSED COMPONENTS, REFER TO STRUCTURAL ANALYSIS PROVIDED UNDER SEPARATE COVER.

ANTENNA MOUNT ANALYSIS IS NOT WITHIN THE SCOPE OF WORK CONTAINED IN THIS DRAWING SET. FOR ANALYSIS OF ANTENNA MOUNT TO SUPPORT EXISTING AND/OR PROPOSED COMPONENTS, REFER TO ANTENNA MOUNT STRUCTURAL ANALYSIS PROVIDED UNDER SEPARATE COVER.

PROPRIETARY INFORMATION: THE INFORMATION CONTAINED WITHIN THIS SET OF DRAWINGS IS PROPRIETARY T-MOBILE. ANY USE OR DISCLOSURE OTHER THAN AS IT RELATES TO T-MOBILE IS STRICTLY PROHIBITED.

GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

SUBCONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & 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.

CODE COMPLIANCE

PER CALIFORNIA BUILDING STANDARDS CODE, "TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS" GOVERNS THE DESIGN AND CONSTRUCTION OF ALL BUILDING OCCUPANCIES AND ASSOCIATED FACILITIES AND EQUIPMENT THROUGHOUT CALIFORNIA. RELEVANT CODE SECTIONS ARE (BUT NOT LIMITED TO):

- 2016 CALIFORNIA BUILDING CODE
- 2016 CALIFORNIA ELECTRICAL CODE
- 2016 CALIFORNIA ENERGY CODE
- 2016 CALIFORNIA HISTORICAL BUILDING CODE
- 2016 CALIFORNIA FIRE CODE
- 2016 CALIFORNIA EXISTING BUILDING CODE
- CITY/COUNTY ORDINANCES
- ANSI/TIA-222-G-2009

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

SHEET TITLE
TITLE SHEET

SHEET NUMBER
T01

- FOR THE PURPOSE OF THIS CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION) AND ANY LOWER TIER SUBCONTRACTORS.
ENGINEER - J5 INFRASTRUCTURE PARTNERS
OWNER - T-MOBILE WIRELESS
- CONTRACTOR SHALL VISIT THE CELL SITE PRIOR TO THE SUBMISSION OF BIDS TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY, CONFLICT, OR OMISSION FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION, PRIOR TO BID SUBMISSION & PRIOR TO COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES DISCOVERED AFTER THE COMMENCEMENT OF CONSTRUCTION WHICH HAVE NOT BEEN BROUGHT TO THE ATTENTION OF THE ENGINEER. ANY COSTS INCURRED TO REMEDY THE SITUATION SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE ENGINEER SHALL APPROVE ALL METHODS USED TO CORRECTION THE SITUATION.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.

ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUITS AND OTHER CABLES. CONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- AT ANY TIME DURING THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THE SITE. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- AS MAY BE REQUIRED BY THE GOVERNING AGENCY OR PROPERTY OWNER, THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER, WATER, OR TOILET FACILITIES.
- THE EXISTING CELL SITE IS ASSUMED TO BE IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH THE OWNER. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
- THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REGULATIONS DURING THE ENTIRE CONSTRUCTION PERIOD. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- THE CONTRACTOR SHALL NOT USE OR INSTALL ANY MATERIAL CONTAINING ASBESTOS OR LEAD PAINT CONTENT. THE USE OF SUCH MATERIAL IS STRICTLY PROHIBITED.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON PLANS, AND TO AVOID OR PROTECT THEM FROM ANY DAMAGE. ANY COSTS INCURRED TO REPAIR UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE AT THE SOLE COST OF THE CONTRACTOR. TELEPHONE 811 FOR USA DIG ALERT.
- THE GOVERNING AGENCY MAY REQUIRE A COPY OF THE APPROVED PLANS TO BE KEPT ON SITE AT ALL TIMES. THE CONTRACTOR SHALL MAKE SUCH A SET AVAILABLE FOR INSPECTION AT ALL TIMES. ANY DEVIATIONS FROM THE APPROVED SET SHALL BE DOCUMENTED AND PROVIDED TO THE ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL BEAR THE SOLE COST TO CORRECT ANY INSTALLATION WHICH DEVIATES FROM APPROVED PLANS AND IS NOT ACCEPTED BY THE ENGINEER.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS & METHODS, TECHNIQUES, SEQUENCING, AND PROCEDURES REQUIRED TO PERFORM THE WORK. ANY ANALYSIS OF THE STRUCTURE UNDER TEMPORARY CONSTRUCTION LOADING CONDITIONS IS OUTSIDE OF THE SCOPE OF THESE DRAWINGS. THE CONTRACTOR SHOULD EVENLY DISTRIBUTE ANY MATERIAL TO BE STORED ON SITE DURING CONSTRUCTION SO THAT THE LOAD DOES NOT EXCEED THE STRUCTURES DESIGNED LIVE LOAD; OR PROVIDE TEMPORARY SHORING OR BRACING IN THESE AREAS.
- DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS SHOWN TAKE PRECEDENCE OVER SCALE.
- ALL NEW COMPONENTS ADD TO THE EXTERIOR OF THE STRUCTURE, WHICH ARE VISIBLE FROM PUBLIC VIEW, SHALL BE PAINTED TO MATCH THE EXISTING CONDITIONS.
- ALL DETAILS AND NOTES INDICATED IN THESE PLANS ARE THE MINIMUM REQUIREMENTS.
- IT MAY BE NECESSARY TO TEMPORARILY RELOCATE, REMOVE, REPLACE, OR WORK AROUND VARIOUS ARCHITECTURAL FEATURES, PIPES, FIXTURES, CABLING, OR OTHER NON-STRUCTURAL ITEMS IN ORDER TO COMPLETE THE PROPOSED WORK. CONTRACTOR SHALL RESTORE THESE ITEMS TO THEIR ORIGINAL CONDITION AT THEIR EXPENSE UNLESS OTHERWISE NOTED IN THESE PLANS.

GENERAL NOTES

SYMBOLS

- | | |
|---|---|
| SOLID GROUND BUS BAR | GROUND ROD WITH ACCESS (TEST WELL) |
| SOLID NEUTRAL BUS BAR | GROUNDING WIRE, DASHED REPRESENTS UNDERGROUND |
| SUPPLEMENTAL GROUND CONDUCTOR | TELEPHONE LINE, DASHED REPRESENTS UNDERGROUND |
| 2-POLE THERMAL-MAGNETIC CIRCUIT BREAKER | COAXIAL CABLE, DASHED REPRESENTS UNDERGROUND |
| SINGLE-POLE THERMAL-MAGNETIC CIRCUIT BREAKER | ANTENNA COAX |
| XIT GROUND ROD (CHEMICAL) | OVERHEAD ELECTRICAL CABLES |
| GROUND ROD | |
| DISCONNECT SWITCH | |
| UTILITY METER | |
| EXOTHERMIC CONNECTION (CADWELD) TO GROUND RING AND COMPRESSION TO GROUND HALO | |
| COMPRESSION, CLAMP, OR DOUBLE HOLE LUG TYPE GROUND CONNECTION | |

ABBREVIATIONS

- | | |
|---------------------------------|---------------------------------------|
| AGL ABOVE GRADE LEVEL | (P) PROPOSED |
| (E) EXISTING | EMT ELECTRICAL METALLIC TUBING |
| MIN MINIMUM | GND GROUND |
| N.T.S. NOT TO SCALE | GPS GLOBAL POSITIONING SYSTEM |
| REF REFERENCE | GFCI GROUND FAULT CIRCUIT INTERRUPTER |
| RF RADIO FREQUENCY | BTWC BARE TINNED COPPER WIRE |
| T.B.D. TO BE DETERMINED | |
| TYP TYPICAL | |
| EGR EQUIPMENT GROUND RING | |
| AWG AMERICAN WIRE GAUGE | |
| MGB MASTER GROUND BUS | |
| EG EQUIPMENT GROUND | |
| BCW BARE COPPER WIRE | |
| GEN GENERATOR | |
| IGR INTERIOR GROUND RING (HALO) | |

LEGEND

- ALL GROUNDING WORK SHALL COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE, AS WELL AS WITH ALL LOCAL, STATE, AND NATIONAL CODES, LAWS, AND ORDINANCES APPLICABLE TO GROUNDING WORK.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION SO AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT.
- ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION SHALL BE ACCORDING TO SPECIFIC SITE CONDITIONS.
- GROUNDING CONDUCTORS SHALL BE #2 AWG SOLID BARE TINNED COPPER WIRE, UNLESS NOTED OTHERWISE.
- APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- INSTALL GROUND CONDUCTORS AND GROUND ROD A MINIMUM OF 1'-0" FROM CONCRETE SLAB, FOOTING, OR FENCE.
- ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY AN ELECTRICAL CONTRACTOR.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE AND UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
- GROUND CONDUCTORS USED IN THE FACILITY GROUND AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC PLASTIC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (E.G., NON-METALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
- CHEMICAL GROUND SHALL BE XIT, CHEM-ROC, OR APPROVED EQUAL, WHEN REQUIRED.
- CONNECTIONS TO THE GROUND BARS SHALL NOT BE DOUBLED UP OR STACKED. BACK-TO-BACK CONNECTIONS ON OPPOSITE SIDES OF THE GROUND BAR ARE PERMITTED.
- NOTIFY PROJECT MANAGER IF THERE ARE DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SOIL CONDITIONS.
- ANY EQUIPMENT, BOX, SKID TO BE GROUNDED AND DOES NOT HAVE A DESIGNATED GROUND CONNECTION SHALL BE DRILLED AS NECESSARY TO CONNECT A GROUND WIRE. REMOVE PAINT IN AREA UNDER LUG. APPLY ANTI-OXIDANT COMPOUND AND CONNECT WITH TWO-HOLE, COMPRESSION LUG.

GROUNDING NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MEANS AND METHODS TO COMPLETE ALL UPGRADES AS INDICATED IN THIS DOCUMENT.
- ALL DIMENSIONS, SECTIONS AND DETAILS OF THE EXISTING STRUCTURE ARE INCLUDED FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL RELEVANT INFORMATION PRIOR TO CONSTRUCTION OR FABRICATION. NOTIFY THE ENGINEER-OF-RECORD IMMEDIATELY OF ANY DISCREPANCIES. ALL NEW WORK SHALL ACCOMMODATE EXISTING CONDITIONS.
- CONTRACTOR IS RESPONSIBLE FOR ERECTING TEMPORARY BARRICADES AND/OR FENCING TO PROTECT THE SAFETY OF THE PUBLIC DURING CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY BARRIERS AND REPAIR ALL DAMAGE TO PROPERTY ON THE SITE CAUSED BY THIS CONSTRUCTION. THE COST OF REPAIR IS THE CONTRACTOR'S RESPONSIBILITY.
- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- COORDINATE WORK INDICATED ON THESE DRAWINGS WITH THE NEW EQUIPMENT, EXISTING EQUIPMENT, WAVEGUIDE ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE PRIOR TO ORDERING ANY MATERIALS OR CONDUCTING ANY WORK.
- ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO AISC SPECIFICATIONS AND CODES, LATEST EDITION.
- CONTRACTOR SHALL COLD-GALVANIZE ALL RAW STEEL AS REQUIRED DURING CONSTRUCTION PROCESS.

GENERAL UPGRADE NOTES



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J5 INFRASTRUCTURE PARTNERS
AZ - CA - CO - ID - NM - NV - TX - UT
2030 MAIN STREET, SUITE 200
IRVINE, CA 92614

SITE NUMBER:
LA33958B
SITE NAME:
EL DORADO MODEL AIRPLANE FIELD

N/O E. WARDLOW ROAD
AND E/O STEVELY STREET
LONG BEACH, CA 90808

REV	DATE	DESCRIPTION
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A	06/28/17	90% ZD ISSUED FOR REVIEW

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SHEET TITLE
GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

SHEET NUMBER
T02

SCHEDULE B

ITEMS A-D ARE TAX/LIENS RELATED
 ITEMS 1,20 ARE RIGHTS RELATED
 ITEMS 3,6,7,13,14,17,19 ARE DEED RELATED

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
 PURPOSE: THE CONSTRUCTION, RECONSTRUCTION, INSPECTION, MAINTENANCE AND REPAIR OF PROTECTION WORKS FOR THE PURPOSE OF CONFINING THE WATER OF THE SAN GABRIEL RIVER IN A SINGLE CHANNEL AND FOR THE PURPOSE OF ESTABLISHING AN OFFICIAL CHANNEL TO CARRY THE WATER OF THE SAID STREAM IN A DEFINITE COURSE, SAID EASEMENT AND RIGHT OF WAY TO EXTEND OVER, ACROSS AND UPON
 RECORDING NO: IN BOOK 5109 PAGE 392 OFFICIAL RECORDS
 AFFECTS: LOT 62

4. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: PACIFIC LIGHTING GAS SUPPLY COMPANY, A CORPORATION
 PURPOSE: PIPE LINES
 RECORDING DATE: MAY 1, 1951
 RECORDING NO: IN BOOK 36185 PAGE 1 OFFICIAL RECORDS

THE EASEMENT DOES NOT AFFECT THE SUBJECT PARCEL.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: SOUTHERN CALIFORNIA EDISON COMPANY
 PURPOSE: ROADS, ELECTRICAL TRANSMISSION LINES, OVER-HEAD AND UNDERGROUND
 RECORDING DATE: SEPTEMBER 3, 1953
 RECORDING NO: IN BOOK 42814 PAGE 258 OFFICIAL RECORDS
 AFFECTS: AS DESCRIBED THEREIN
 AN AGREEMENT TO MODIFY THE TERMS AND PROVISIONS OF THE SAID DOCUMENT, AS THEREIN PROVIDED EXECUTED BY: CITY OF LONG BEACH, AND SOUTHERN CALIFORNIA EDISON COMPANY
 RECORDING DATE: MARCH 27, 1961
 RECORDING NO: 4995 IN BOOK D1169 PAGE 199 OFFICIAL RECORDS
 AN AGREEMENT TO MODIFY THE TERMS AND PROVISIONS OF THE SAID DOCUMENT, AS THEREIN PROVIDED EXECUTED BY: CITY OF LONG BEACH, A CORPORATION, AND SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION
 RECORDING DATE: NOVEMBER 14, 1962
 RECORDING NO: 4556 IN BOOK D1822 PAGE 262 OFFICIAL RECORDS
 LIMITATIONS ON THE USE, BY THE OWNERS OF SAID LAND, OF THE EASEMENT AREA AS SET FORTH IN THE EASEMENT DOCUMENT SHOWN HEREINAbove.
 REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS.
 MATTERS CONTAINED IN THAT CERTAIN DOCUMENT ENTITLED: ASSIGNMENT AND ASSUMPTION OF EASEMENTS EXECUTED BY: PACIFIC TERMINALS LLC, A DELAWARE LIMITED LIABILITY COMPANY ("ASSIGNOR") AND SOUTHERN CALIFORNIA EDISON COMPANY, A CALIFORNIA CORPORATION ("ASSIGNEE")
 RECORDING DATE: APRIL 25, 2005
 RECORDING NO: 05-0956005 OFFICIAL RECORDS REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, A PUBLIC CORPORATION
 PURPOSE: TEMPORARY EASEMENT
 RECORDING DATE: MAY 12, 1966
 RECORDING NO: 2318 OFFICIAL RECORDS
 AFFECTS: AS DESCRIBED THEREIN.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, A PUBLIC CORPORATION
 PURPOSE: INSTALLATION, OPERATION, MAINTENANCE, REPAIR AND REPLACEMENT OF A WATER MAIN FOR THE TRANSPORTATION OF WATER, TOGETHER WITH THE RIGHT OF INGRESS AND EGRESS
 RECORDING DATE: MAY 12, 1966
 RECORDING NO: 2319 OFFICIAL RECORDS
 AFFECTS: AS DESCRIBED THEREIN.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, A PUBLIC CORPORATION
 PURPOSE: UNDERGROUND PIPELINE
 RECORDING DATE: NOVEMBER 29, 1966
 RECORDING NO: 2512 OFFICIAL RECORDS
 AFFECTS: AS DESCRIBED THEREIN.

11. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: LOS ANGELES COUNTY FLOOD CONTROL DISTRICT, A BODY CORPORATE AND POLITIC
 PURPOSE: COVERED STORM DRAIN AND APPURTENANT STRUCTURES
 RECORDING DATE: AUGUST 23, 1976
 RECORDING NO: 3467 OFFICIAL RECORDS
 AFFECTS: AS DESCRIBED THEREIN.

THE EASEMENT DOES NOT AFFECT THE SUBJECT PARCEL.

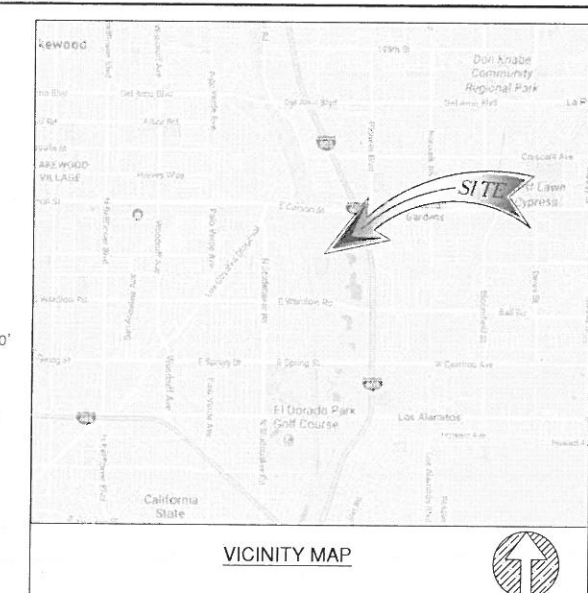
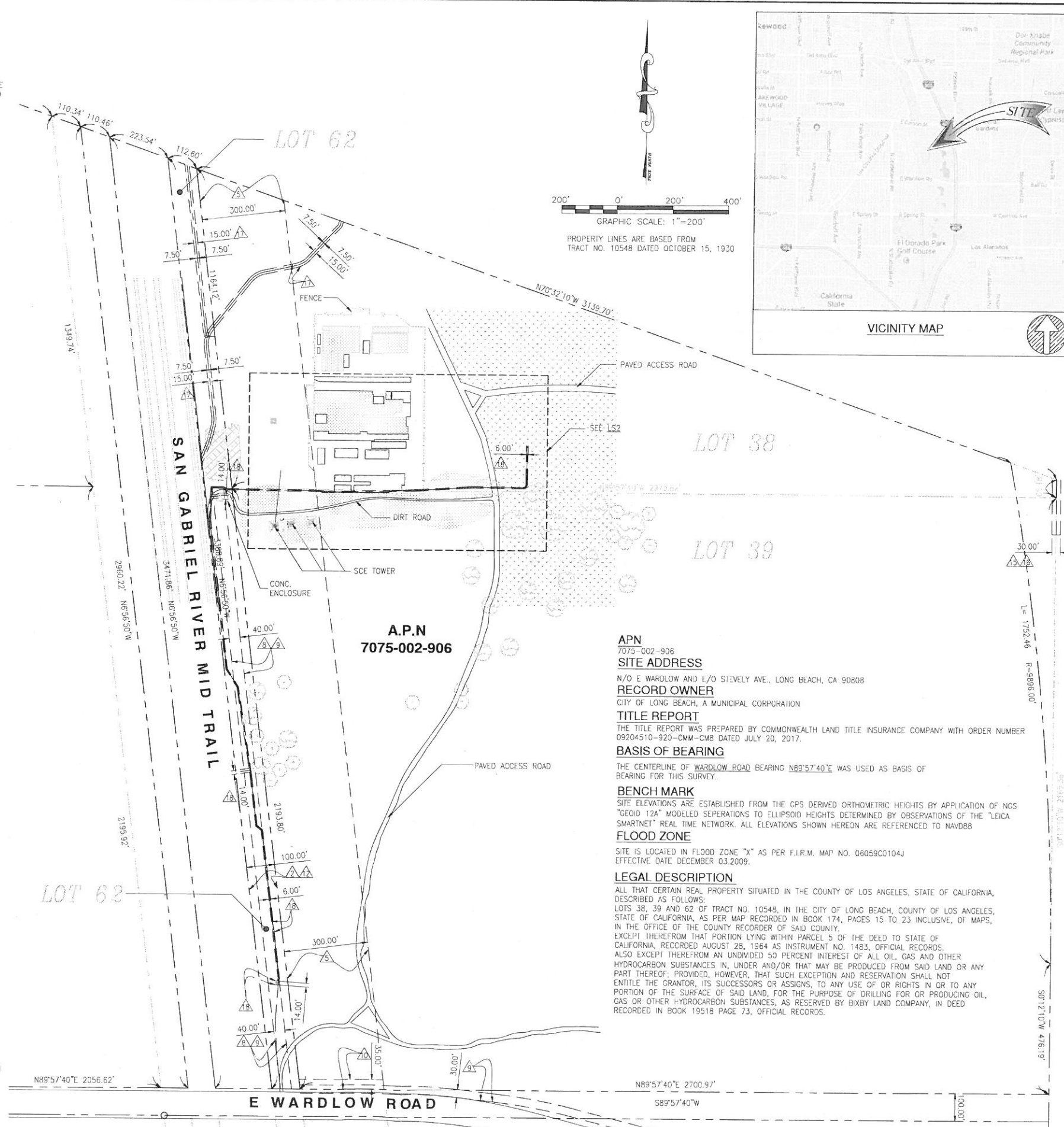
△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: COUNTY OF LOS ANGELES
 PURPOSE: BICYCLE TRAIL ON, OVER AND ACROSS
 RECORDING DATE: MAY 22, 1979
 RECORDING NO: 79-552875 OFFICIAL RECORDS
 AFFECTS: AS DESCRIBED THEREIN.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION
 PURPOSE: UNDERGROUND ELECTRICAL SUPPLY SYSTEMS AND COMMUNICATION SYSTEMS
 RECORDING DATE: AUGUST 17, 1998
 RECORDING NO: 98-1450873 OFFICIAL RECORDS
 AFFECTS: AS DESCRIBED THEREIN.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION
 PURPOSE: UNDERGROUND ELECTRICAL SUPPLY SYSTEMS AND COMMUNICATION SYSTEMS
 RECORDING DATE: AUGUST 17, 1998
 RECORDING NO: 98-1450874 OFFICIAL RECORDS
 AFFECTS: AS DESCRIBED THEREIN.

△ MATTERS CONTAINED IN THAT CERTAIN DOCUMENT ENTITLED: STORM DRAIN EASEMENT AGREEMENT EXECUTED BY: CITY OF LONG BEACH, A MUNICIPAL CORPORATION, AND VESTAR/LEND LEASE LONG BEACH TOWNE CENTER, L.L.C., A DELAWARE LIMITED LIABILITY COMPANY
 RECORDING DATE: APRIL 8, 1999
 RECORDING NO: 99-060373 OFFICIAL RECORDS
 REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
 GRANTED TO: SOUTHERN CALIFORNIA EDISON COMPANY, A CORPORATION
 PURPOSE: UNDERGROUND ELECTRICAL SUPPLY SYSTEMS AND COMMUNICATION SYSTEMS
 RECORDING DATE: JULY 3, 2002
 RECORDING NO: 02-1520039 OFFICIAL RECORDS
 AFFECTS: AS DESCRIBED THEREIN. LIMITATIONS ON THE USE, BY THE OWNERS OF SAID LAND, OF THE EASEMENT AREA AS SET FORTH IN THE EASEMENT DOCUMENT SHOWN HEREINAbove. REFERENCE IS HEREBY MADE TO SAID DOCUMENT FOR FULL PARTICULARS.



T-Mobile
 2008 McGAW AVENUE
 IRVINE, CA 92614

INFRASTRUCTURE PARTNERS
 AZ - CA - CO - ID - NM - NV - TX - UT

celsius ENGINEERING GROUP
 10005 MURLANDS BLVD., SUITES E & F
 IRVINE, CA 92618
 tel. (949) 202-2311 | fax. (888) 505-2977

REV	DATE	DESCRIPTION
1	8/26/2017	FINAL SURVEY
0	7/17/2017	PRELIMINARY SURVEY

ISSUED DATE: **AUGUST 26, 2017**

ISSUED FOR: **FINAL SURVEY**

LICENSURE: _____

PROJECT INFORMATION:
LA 33958
EL DORADO MODEL AIRPLANE FIELD
N/O E WARDLOW AND E/O STEVELY AVE.,
LONG BEACH, CA 90808

DRAWN BY: **LJ**
 CHECKED BY: **MP**

SHEET TITLE: **TOPOGRAPHIC SURVEY**

SHEET NUMBER: **LS-1**

LEGEND

- CENTER LINE
- - - PROPERTY LINE
- x-x-x- CHAIN-LINK FENCE
- |-|-| WOOD FENCE
- - - EASEMENT LINE
- ▬▬▬▬▬ RETAINING WALL
- FS BACK WALK
- EG EXISTING GRADE
- FD FOUND
- SGN SIGN
- TC TOP OF CURB
- WV WATER VALVE
- BW BACK WALK
- TREE
- PINE TREE
- BUSH
- PALM TREE
- ▨ EXISTING CONCRETE
- ▨ EXISTING GRASS/TURF

MONUMENTS

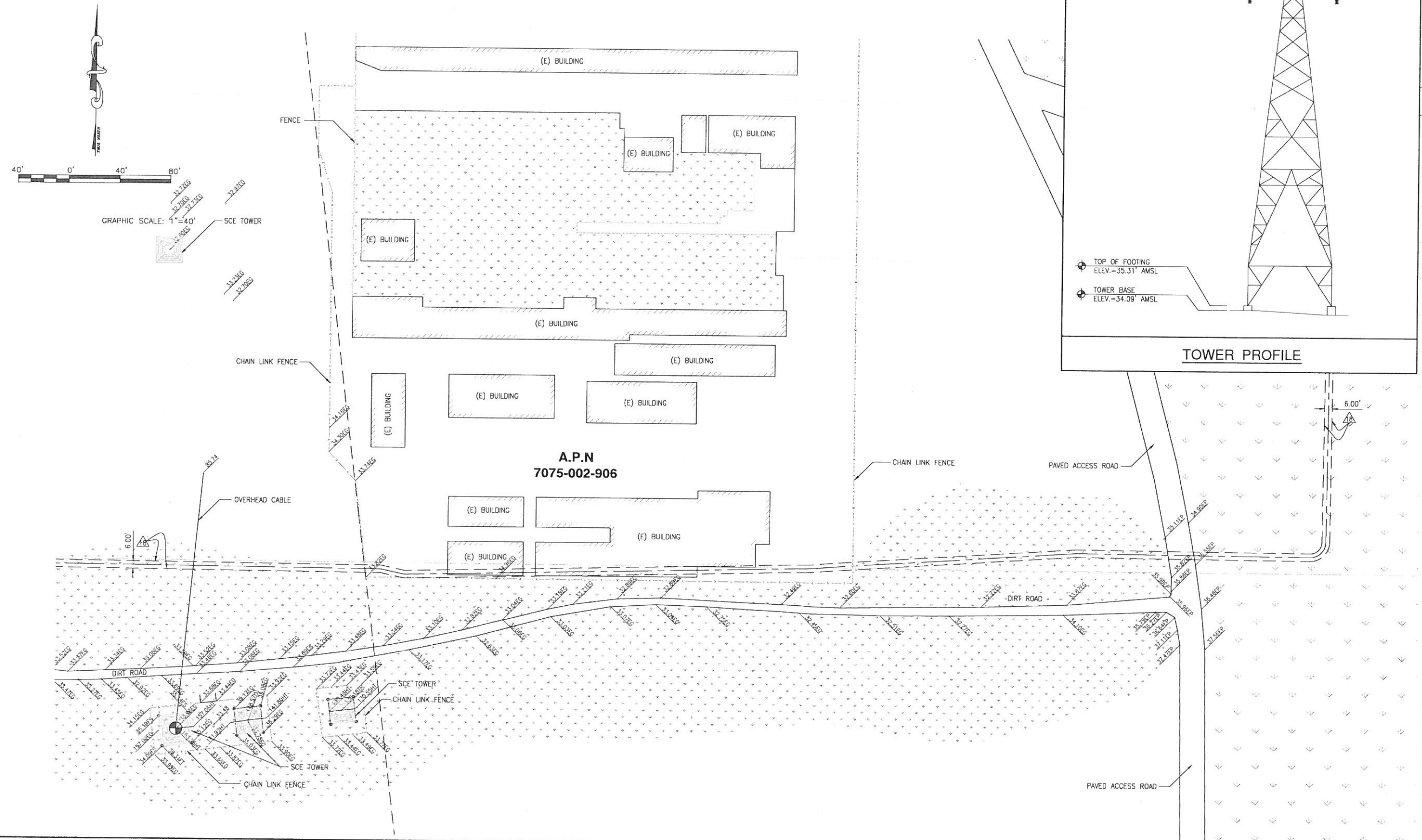
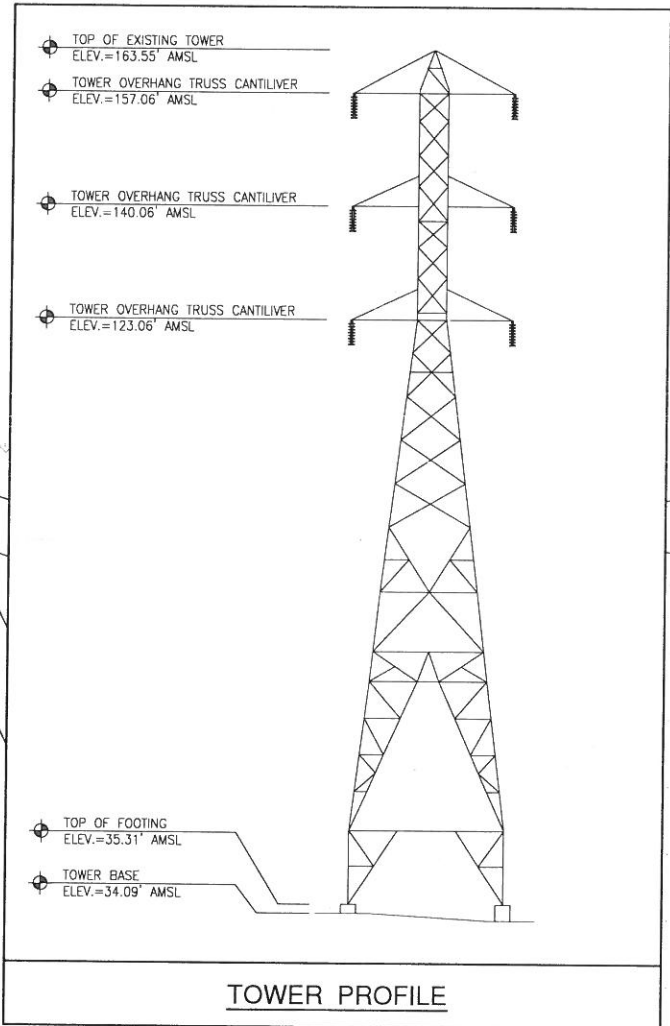
● MONUMENT FD. (AS NOTED)

COORDINATES

LATITUDE: 33°49'28.9"N
LONGITUDE: 118° 5'27.9"W

NOTES:

1. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP. THE PROPERTY LINES AND EASEMENTS SHOWN HEREON ARE FROM RECORD INFORMATION AS NOTED HEREON. CELSIUS ENGINEERING GROUP TRANSLATED THE TOPOGRAPHIC SURVEY TO RECORD INFORMATION USING FOUND MONUMENTS SHOWN HEREON.
2. THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.
3. FIELD SURVEY COMPLETED ON JULY 16, 2017



T-Mobile
2008 MCGAW AVENUE
IRVINE, CA 92614

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IRVINE, CA 92618
tel. (949) 202-2311 | fax. (888) 505-2977

REV	DATE	DESCRIPTION
1	8/26/2017	FINAL SURVEY
0	7/17/2017	PRELIMINARY SURVEY

ISSUED DATE: **AUGUST 26, 2017**

ISSUED FOR: **FINAL SURVEY**

LICENSURE:

PROJECT INFORMATION:
LA 33958
EL DORADO MODEL AIRPLANE FIELD
N/O E WARDLOW AND E/O STEVELY AVE.,
LONG BEACH, CA 90808

DRAWN BY: LJ
CHECKED BY: MP

SHEET TITLE: **TOPOGRAPHIC SURVEY**

SHEET NUMBER: **LS-2**



T-MOBILE WEST LLC

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AZ - CA - CO - ID - NM - NV - TX - UT

2030 MAIN STREET, SUITE 200
IRVINE, CA 92614

SITE NUMBER:
LA33958B

SITE NAME:
**EL DORADO MODEL
AIRPLANE FIELD**

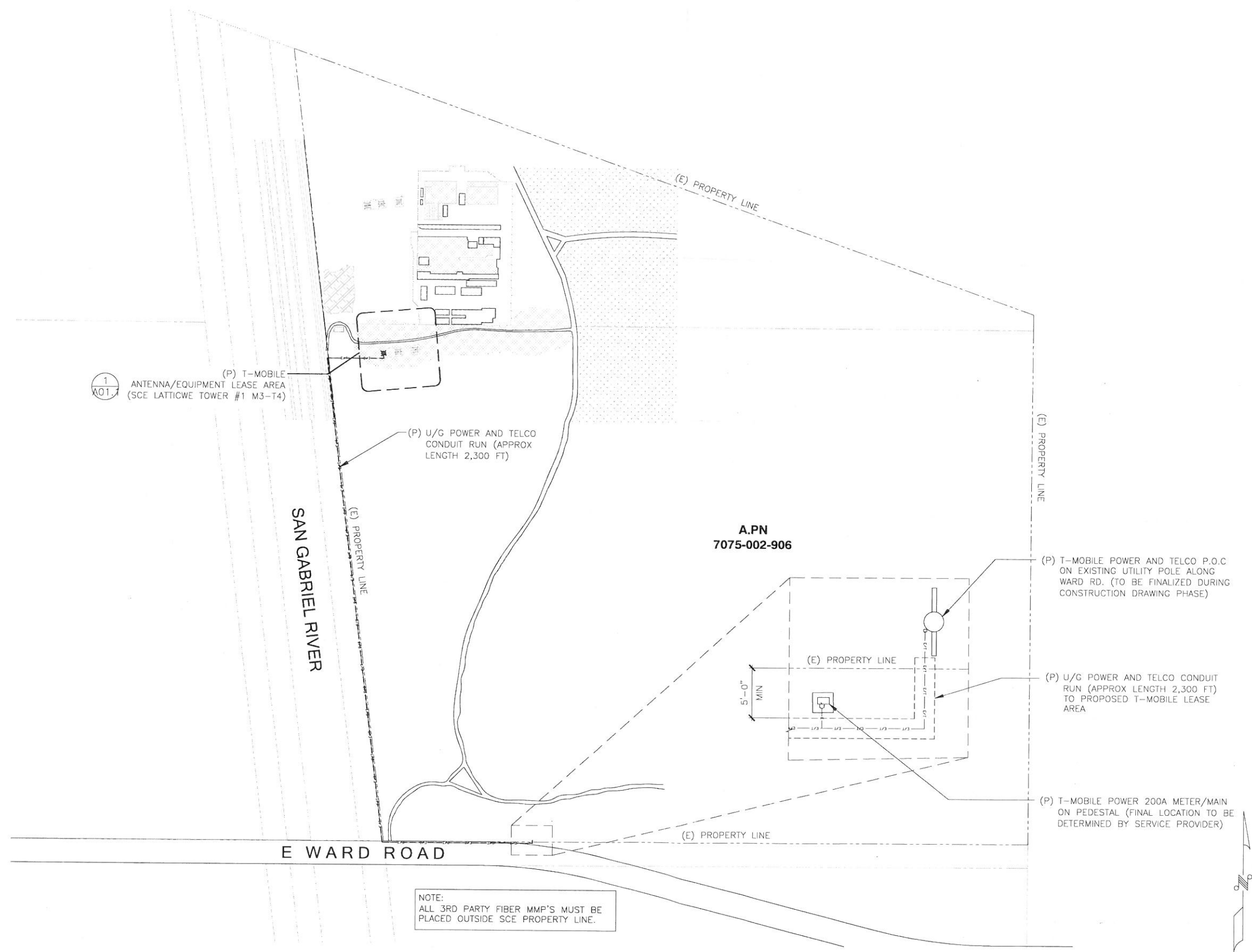
N/O E. WARDLOW ROAD
AND E/O STEVELY STREET
LONG BEACH, CA 90808

REV	DATE	DESCRIPTION	
8	12/06/17	100% ZD: MINOR REV PER SCE	JD
7	11/27/17	100% ZD: REVISION PER RF	JD
6	11/17/17	100% ZD: REVISION PER SCE	JD
5	11/02/17	100% ZD: REVISION PER RF	JD
4	10/05/17	100% ZD: ISSUED FOR ZONING	JD
3	09/14/17	100% ZD: REVISION PER SCE	JD
2	09/08/17	100% ZD: REVISION PER DRM	JD
1	08/31/17	100% ZD: POWER & TELCO POC	JD
0	08/29/17	100% ZD: FINAL SURVEY ADDED	JD
E	08/18/17	90% ZD REV PER DRM 7/17/17	PS
D	07/19/17	90% ZD REV PER DRM 7/17/17	JD
C	07/14/17	90% ZD REVISION PER DRM	JD
B	07/06/17	90% ZD REVISION PER DRM	BH
A	06/28/17	90% ZD ISSUED FOR REVIEW	BH

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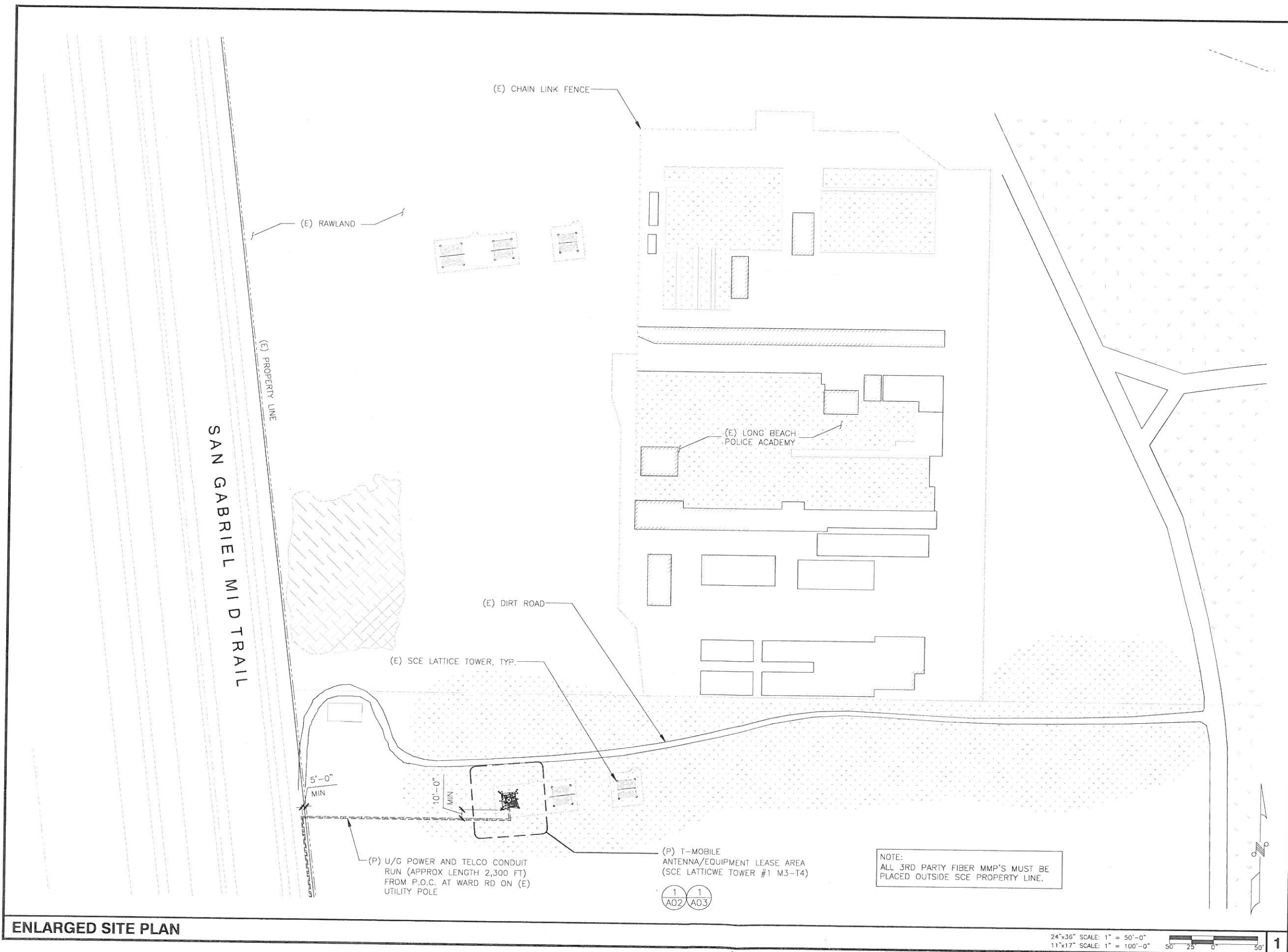
SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A01



OVERALL SITE PLAN

24"x36" SCALE: 1" = 200'-0"
11"x17" SCALE: 1" = 400'-0"



T-Mobile
T-MOBILE WEST LLC

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INFRASTRUCTURE PARTNERS
AZ - CA - CO - ID - NM - NV - TX - UT
2030 MAIN STREET, SUITE 200
IRVINE, CA 92614

SITE NUMBER:
LA33958B
SITE NAME:
EL DORADO MODEL AIRPLANE FIELD

N/O E. WARDLOW ROAD AND E/O STEVELY STREET
LONG BEACH, CA 90808

REV	DATE	DESCRIPTION	
8	12/06/17	100% ZD: MINOR REV PER SCE	JD
7	11/23/17	100% ZD: REVISION PER RF	JD
6	11/17/17	100% ZD: REVISION PER SCE	JD
5	11/02/17	100% ZD: REVISION PER RF	JD
4	10/05/17	100% ZD: ISSUED FOR ZONING	JD
3	09/14/17	100% ZD: REVISION PER SCE	JD
2	09/08/17	100% ZD: REVISION PER DRM	JD
1	08/31/17	100% ZD: POWER & TECLO POC	JD
0	08/28/17	100% ZD: FINAL SURVEY ADDED	JD
E	08/18/17	90% ZD REV PER DRM 7/17/17	PS
D	07/19/17	90% ZD REV PER DRM 7/17/17	JD
C	07/14/17	90% ZD REVISION PER DRM	JD
B	07/06/17	90% ZD REVISION PER DRM	BH
A	06/28/17	90% ZD ISSUED FOR REVIEW	BH

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SHEET TITLE
ENLARGED SITE PLAN

SHEET NUMBER
A01.1

ENLARGED SITE PLAN

24"x36" SCALE: 1" = 50'-0"
11"x17" SCALE: 1" = 100'-0"
50' 25' 0' 50'

THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY & CONFIDENTIAL TO T-MOBILE ANY USE OR DISCLOSURE OTHER THAN AS IT RELATES TO T-MOBILE IS STRICTLY PROHIBITED

INFRASTRUCTURE PARTNERS
AZ - CA - CO - ID - NM - NV - TX - UT
2030 MAIN STREET, SUITE 200
IRVINE, CA 92614

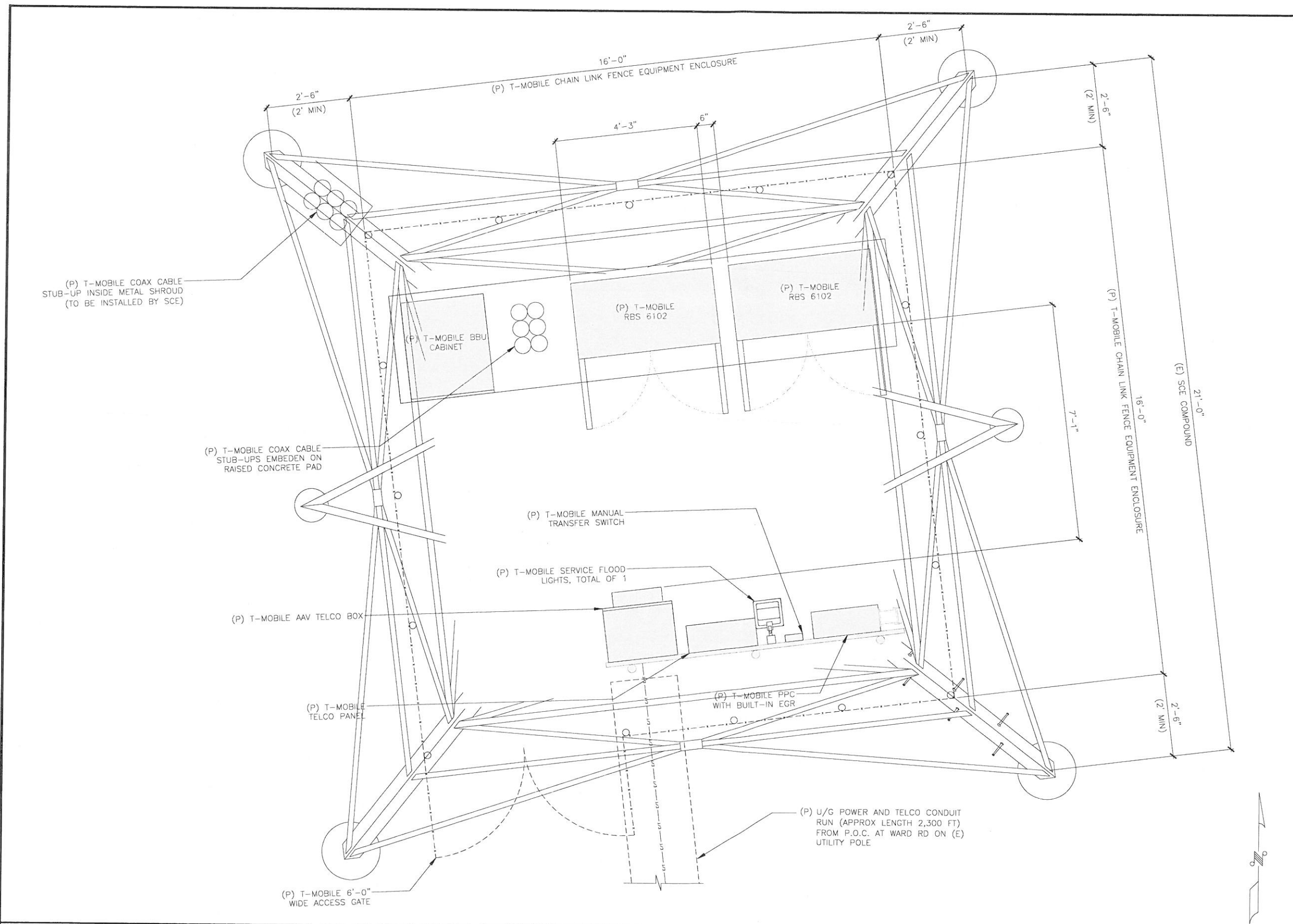
SITE NUMBER:
LA33958B
SITE NAME:
EL DORADO MODEL AIRPLANE FIELD
N/O E. WARDLOW ROAD
AND E/O STEVELY STREET
LONG BEACH, CA 90808

REV	DATE	DESCRIPTION	
8	12/06/17	100% ZD: MINOR REV PER SCE	JD
7	11/27/17	100% ZD: REVISION PER RF	JD
6	11/17/17	100% ZD: REVISION PER SCE	JD
5	11/02/17	100% ZD: REVISION PER RF	JD
4	10/05/17	100% ZD: ISSUED FOR ZONING	JD
3	09/14/17	100% ZD: REVISION PER SCE	JD
2	09/08/17	100% ZD: REVISION PER DRM	JD
1	08/31/17	100% ZD: POWER & TELCO PGC	JD
0	08/28/17	100% ZD: FINAL SURVEY ADDED	JD
E	08/18/17	90% ZD REV PER DRM 7/17/17	PS
D	07/19/17	90% ZD REV PER DRM 7/17/17	JD
C	07/14/17	90% ZD REVISION PER DRM	JD
B	07/06/17	90% ZD REVISION PER DRM	BH
A	06/28/17	90% ZD ISSUED FOR REVIEW	BH

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SHEET TITLE
PROPOSED EQUIPMENT PLAN

SHEET NUMBER
A02




SECTOR	PROPOSED RF SCHEDULE									
	ANTENNA					AZIMUTH	RAD CENTER	TMA / RRU	CABLE TYPE	CABLE LENGTH
MANUFACTURER	MODEL	TECHNOLOGY	HEIGHT	WEIGHT						
ALPHA	A1	ERICSSON	AIR32 B66Aa/B2a	L2100 / L1900 U1900	56.6"	132.2 LBS.	0°	51'-0"	(6) FIBER JUMPER (1) 6x12 HCS 6AWG DC CONDUCTOR	±100'
	A2	COMMSCOPE	DBXNH-6565B-A2M	L700	72.7"	46.3 LBS.	0°	51'-0"		
	A3	ERICSSON	RRUS-11 B2	L700	19.6"	50.7 LBS.	0°	51'-0"		
	A4	COMMSCOPE	DBXNH-6565B-A2M	L700	72.9"	33.1 LBS.	0°	51'-0"		
BETA	B1	ERICSSON	AIR32 B66Aa/B2a	L2100 / L1900 U1900	56.6"	132.2 LBS.	135°	51'-0"	(6) FIBER JUMPER (1) 6x12 HCS 6AWG DC CONDUCTOR	±100'
	B2	COMMSCOPE	DBXNH-6565B-A2M	L700	72.7"	46.3 LBS.	135°	51'-0"		
	B3	ERICSSON	RRUS-11 B2	L700	19.6"	50.7 LBS.	135°	51'-0"		
	B4	COMMSCOPE	DBXNH-6565B-A2M	L700	72.9"	33.1 LBS.	135°	51'-0"		
GAMMA	C1	ERICSSON	AIR32 B66Aa/B2a	L2100 / L1900 U1900	56.6"	132.2 LBS.	245°	51'-0"	(6) FIBER JUMPER (1) 6x12 HCS 6AWG DC CONDUCTOR	±100'
	C2	COMMSCOPE	DBXNH-6565B-A2M	L700	72.7"	46.3 LBS.	245°	51'-0"		
	C3	ERICSSON	RRUS-11 B2	L700	19.6"	50.7 LBS.	245°	51'-0"		
	C4	COMMSCOPE	DBXNH-6565B-A2M	L700	72.9"	33.1 LBS.	245°	51'-0"		
MW	COMMSCOPE	VHLP2-13-2WH/B	MICROWAVE ANTENNA	-	23.8 LBS.	TBD	45'-0"	-	1/2" CABLE JUMPERS	

NOTES:
 1. ALL ANTENNA ARRAYS MUST HAVE 1'-0" MINIMUM CLEARANCE FROM TOWER STEEL.
 2. LEASE AREA FENCING & EQUIPMENT SHALL KEEP MIN. 2'-0" CLEARANCE FROM ALL TOWER STEEL.



T-MOBILE WEST LLC

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INFRASTRUCTURE PARTNERS
 AZ - CA - CO - ID - NM - NV - TX - UT
 2030 MAIN STREET, SUITE 200
 IRVINE, CA 92614

SITE NUMBER:
LA33958B

SITE NAME:
EL DORADO MODEL AIRPLANE FIELD

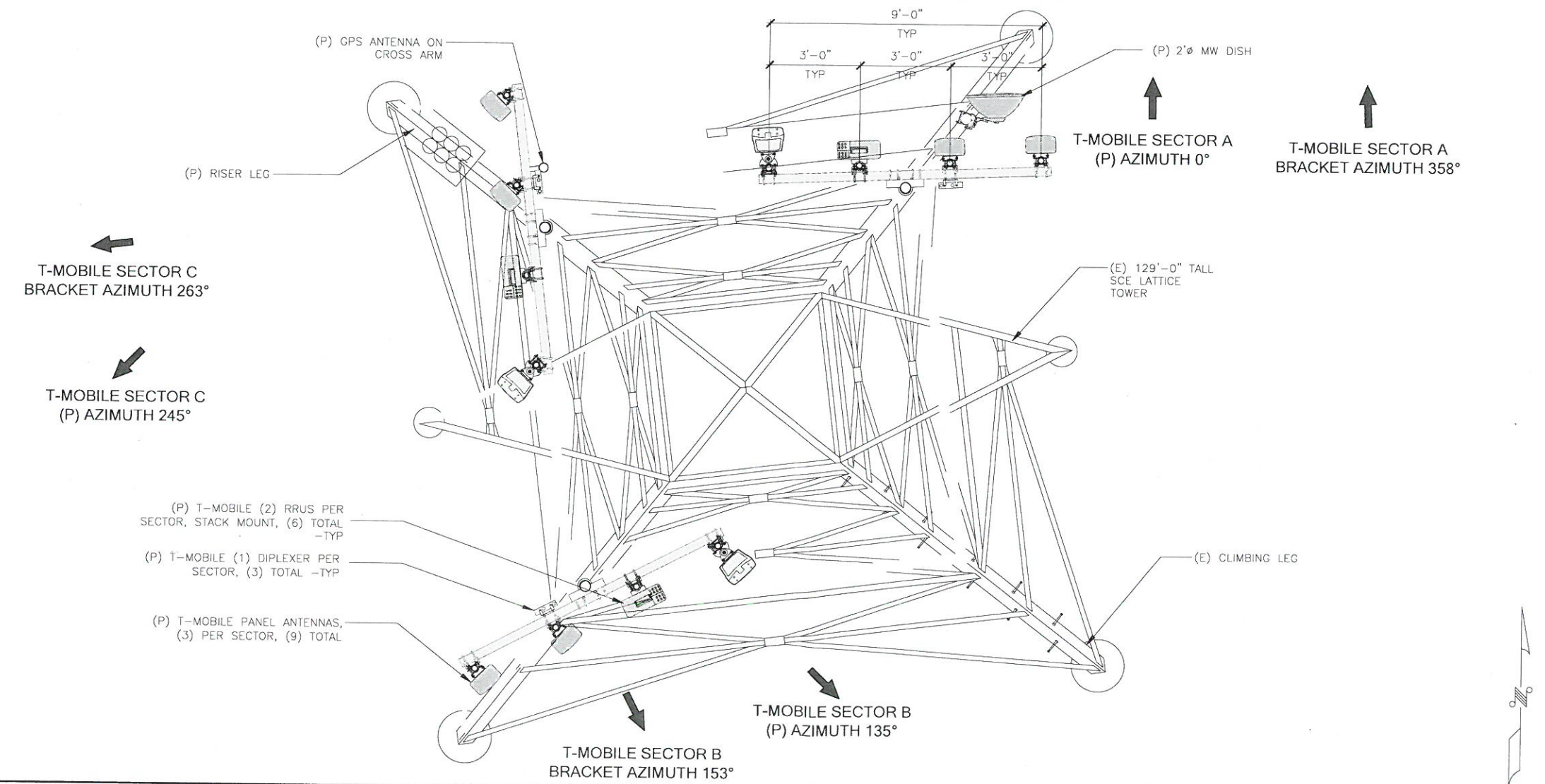
N/O E. WARDLOW ROAD
 AND E/O STEVELY STREET
 LONG BEACH, CA 90808

REV	DATE	DESCRIPTION	
8	12/06/17	100% ZD: MINOR REV PER SCE	JD
7	11/27/17	100% ZD: REVISION PER RF	JD
6	11/17/17	100% ZD: REVISION PER SCE	JD
5	11/02/17	100% ZD: REVISION PER RF	JD
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3	09/14/17	100% ZD: REVISION PER SCE	JD
2	09/08/17	100% ZD: REVISION PER DRM	JD
1	08/31/17	100% ZD: POWER & TECLO POC	JD
0	08/28/17	100% ZD: FINAL SURVEY ADDED	JD
E	08/18/17	90% ZD REV PER DRM 7/17/17	PS
D	07/19/17	90% ZD REV PER DRM 7/17/17	JD
C	07/14/17	90% ZD REVISION PER DRM	JD
B	07/06/17	90% ZD REVISION PER DRM	BH
A	06/28/17	90% ZD ISSUED FOR REVIEW	BH

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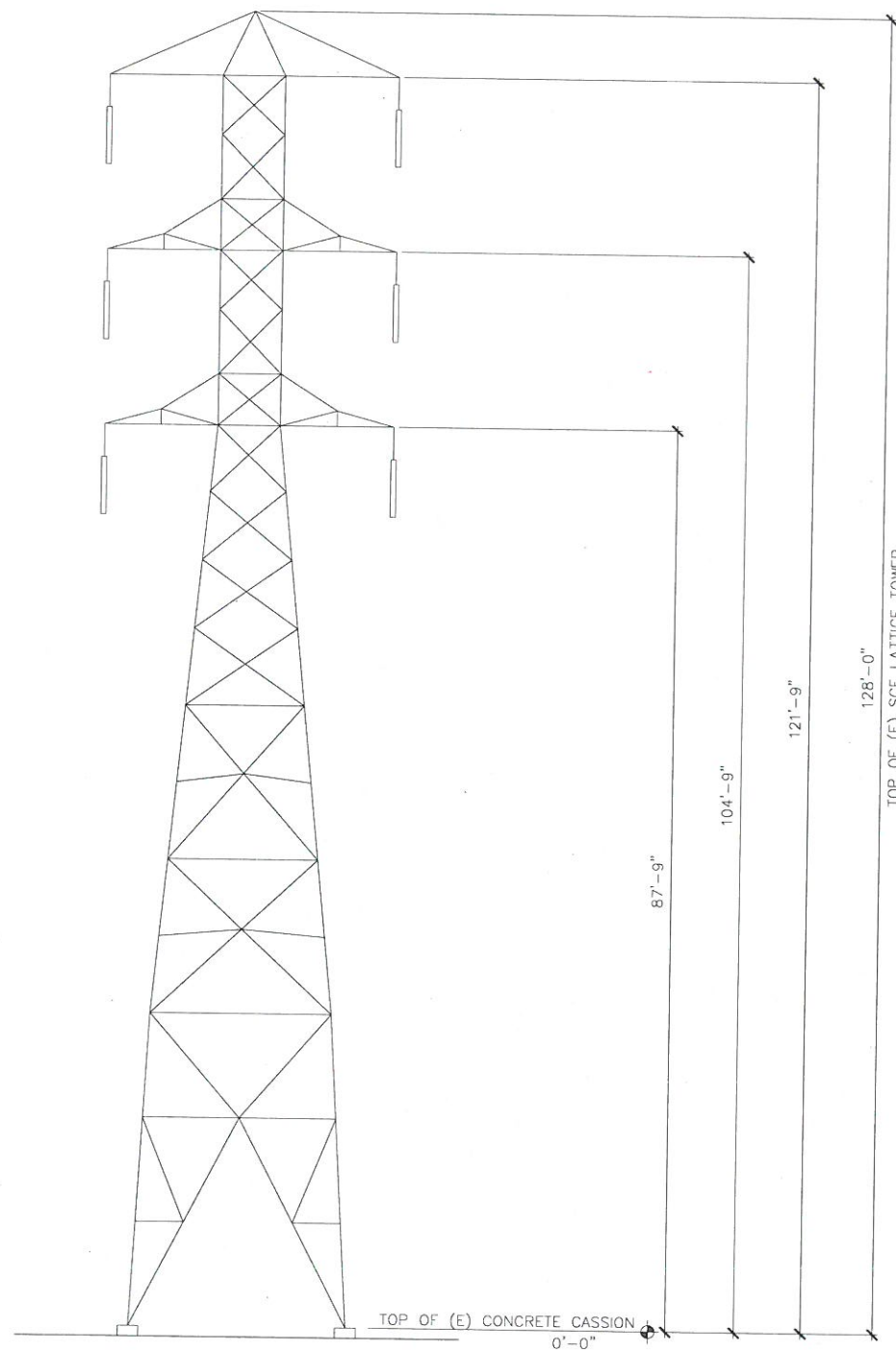
SHEET TITLE
PROPOSED ANTENNA PLAN

SHEET NUMBER
A03

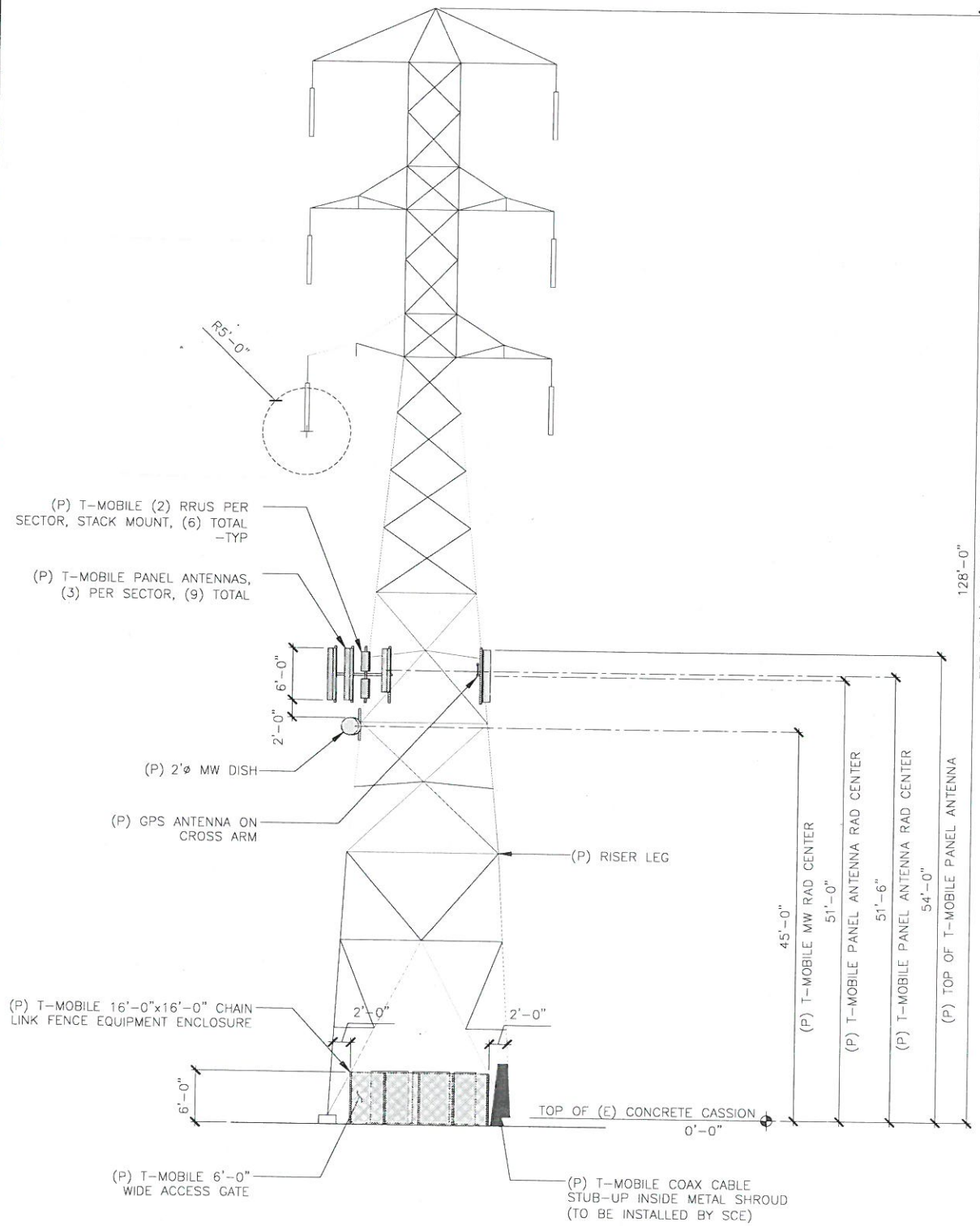


PROPOSED ANTENNA PLAN & RF SCHEDULE

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



NOTES:
 1. ALL ANTENNA ARRAYS MUST HAVE 1'-0" MINIMUM CLEARANCE FROM TOWER STEEL.
 2. LEASE AREA FENCING & EQUIPMENT SHALL KEEP MIN. 2'-0" CLEARANCE FROM ALL TOWER STEEL.



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SITE NUMBER:
LA33958B

SITE NAME:
EL DORADO MODEL AIRPLANE FIELD

N/O E. WARDLOW ROAD
 AND E/O STEVELY STREET
 LONG BEACH, CA 90808

REV	DATE	DESCRIPTION
8	12/06/17	100% ZD: MINOR REV PER SCE
7	11/27/17	100% ZD: REVISION PER RF
6	11/17/17	100% ZD: REVISION PER SCE
5	11/02/17	100% ZD: REVISION PER RF
4	10/05/17	100% ZD: ISSUED FOR ZONING
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2	09/08/17	100% ZD: REVISION PER DRM
1	08/31/17	100% ZD: POWER & TECLD POC
0	08/28/17	100% ZD: FINAL SURVEY ADDED
E	08/18/17	90% ZD REV PER DRM 7/17/17
D	07/19/17	90% ZD REV PER DRM 7/17/17
C	07/14/17	90% ZD REVISION PER DRM
B	07/06/17	90% ZD REVISION PER DRM
A	06/28/17	90% ZD ISSUED FOR REVIEW

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SHEET TITLE
NORTH ELEVATIONS

SHEET NUMBER
A04

EXISTING NORTH ELEVATION

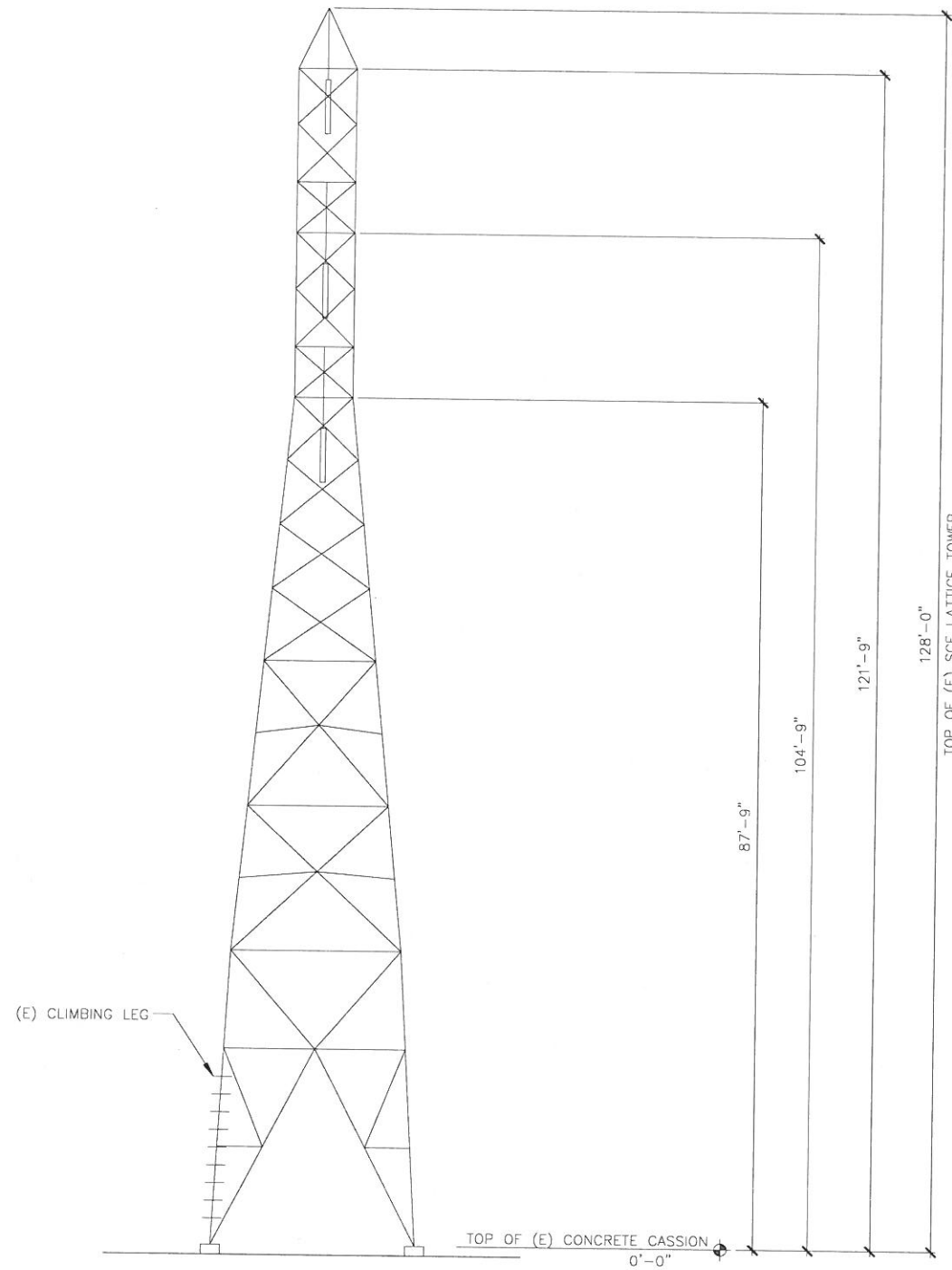
24"x36" SCALE: 1/8" = 1'-0"
 11"x17" SCALE: 1/16" = 1'-0"
 8' 6' 4' 2' 0' 8'

1

PROPOSED NORTH ELEVATION

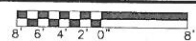
24"x36" SCALE: 1/8" = 1'-0"
 11"x17" SCALE: 1/16" = 1'-0"
 8' 6' 4' 2' 0' 8'

2



EXISTING EAST ELEVATION

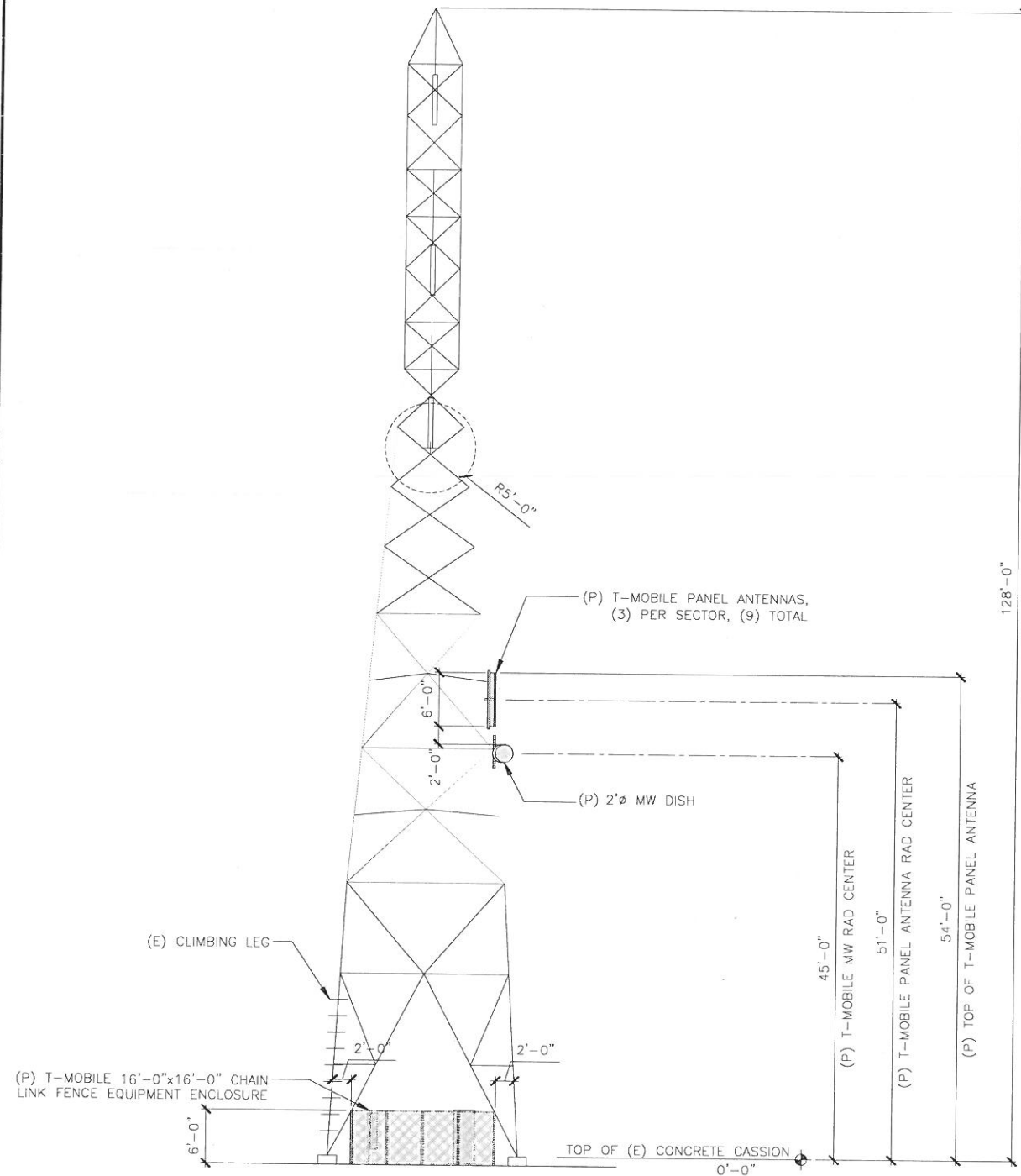
24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



1

PROPOSED EAST ELEVATION

NOTES:
1. ALL ANTENNA ARRAYS MUST HAVE 1'-0" MINIMUM CLEARANCE FROM TOWER STEEL.
2. LEASE AREA FENCING & EQUIPMENT SHALL KEEP MIN. 2'-0" CLEARANCE FROM ALL TOWER STEEL.



24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



2



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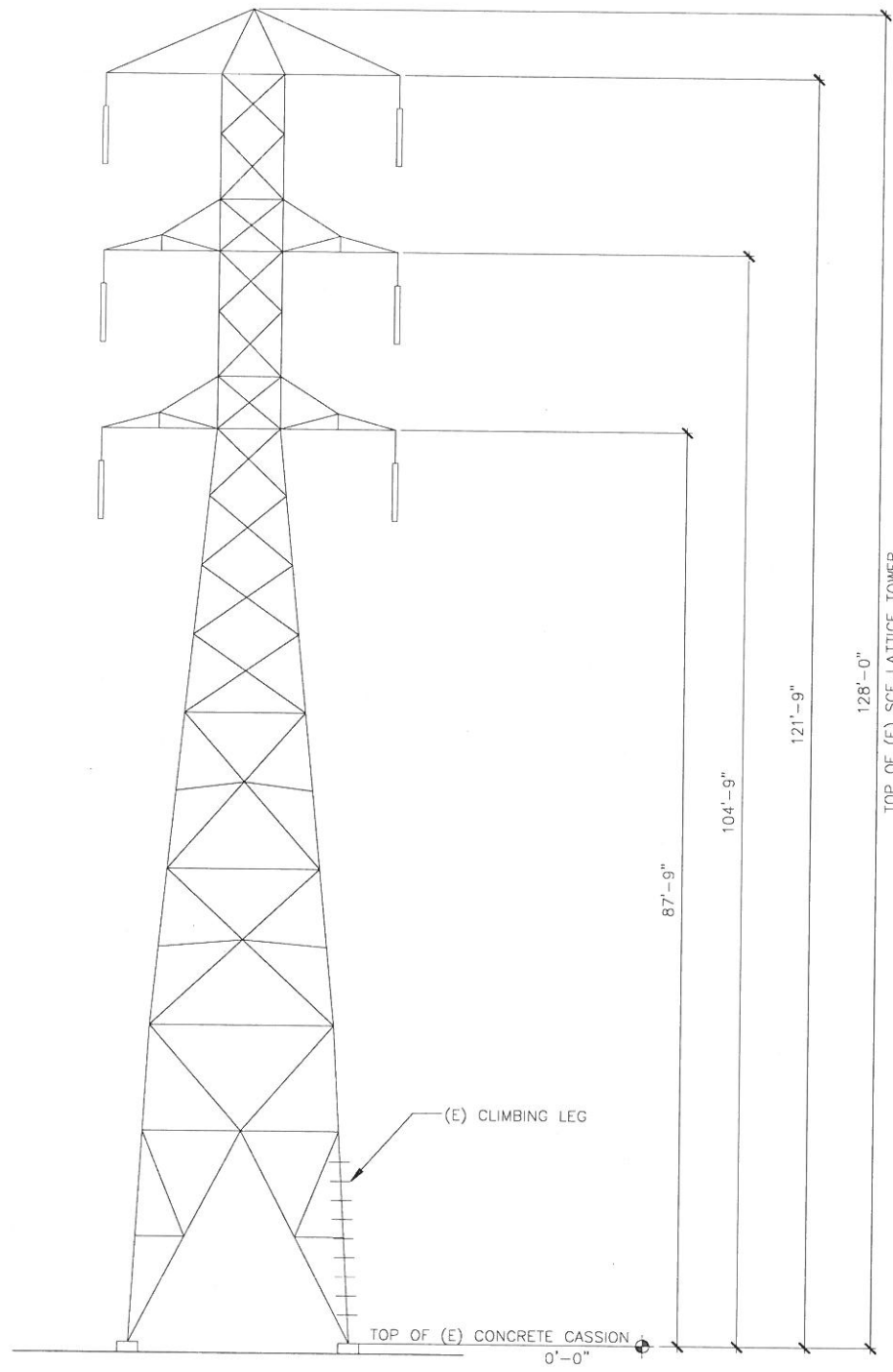
SITE NUMBER:
LA33958B
SITE NAME:
EL DORADO MODEL AIRPLANE FIELD
N/O E. WARDLOW ROAD
AND E/O STEVELY STREET
LONG BEACH, CA 90808

REV	DATE	DESCRIPTION
8	12/06/17	100% ZD: MINOR REV PER SCE
7	11/27/17	100% ZD: REVISION PER RF
6	11/17/17	100% ZD: REVISION PER SCE
5	11/02/17	100% ZD: REVISION PER RF
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2	09/08/17	100% ZD: REVISION PER DRM
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0	08/28/17	100% ZD: FINAL SURVEY ADDED
E	08/18/17	90% ZD REV PER DRM 11/17/17
D	07/19/17	90% ZD REV PER DRM 11/17/17
C	07/14/17	90% ZD REVISION PER DRM
B	07/06/17	90% ZD REVISION PER DRM
A	06/28/17	90% ZD ISSUED FOR REVIEW

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SHEET TITLE
EAST ELEVATIONS

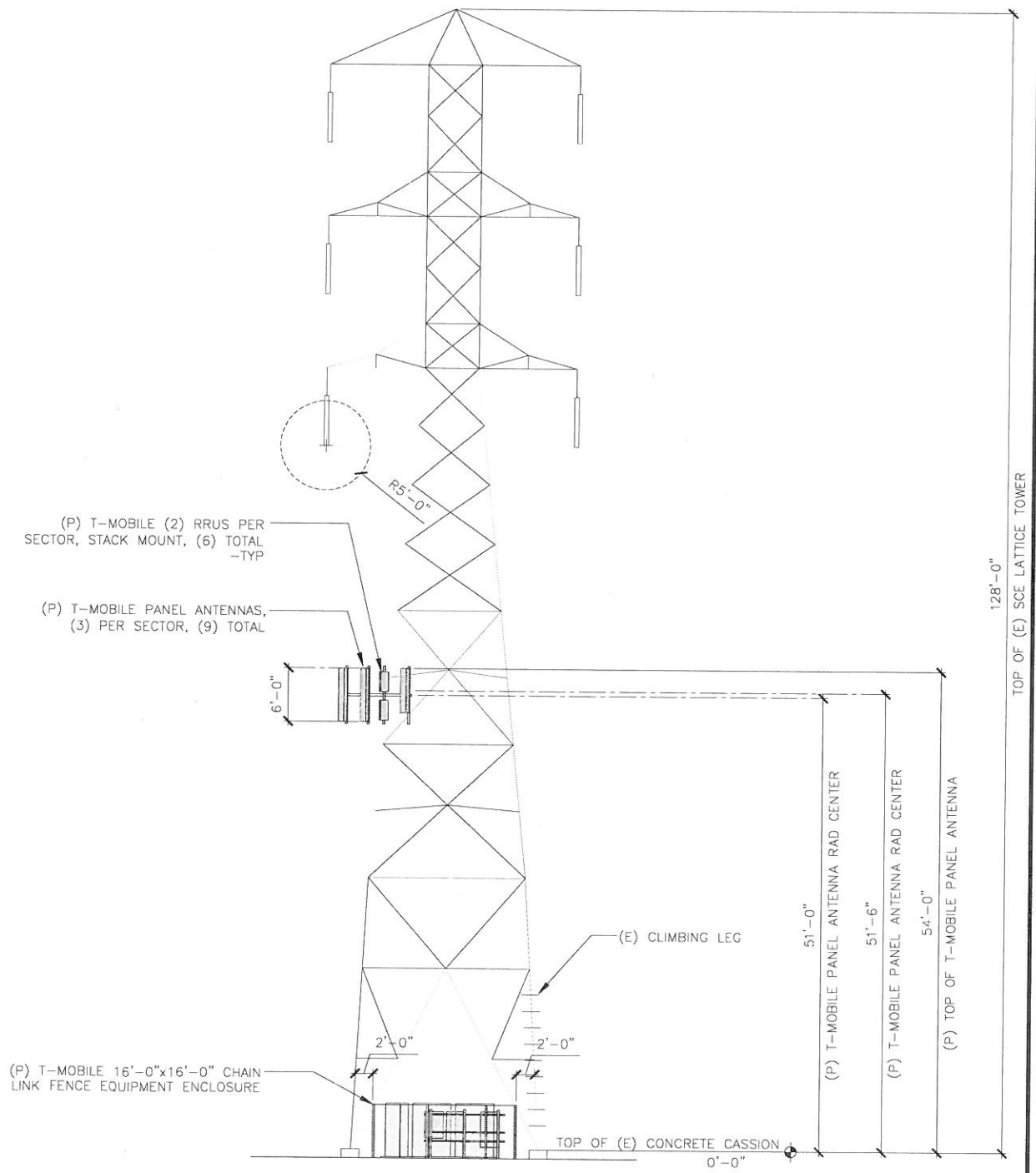
SHEET NUMBER
A05



EXISTING SOUTH ELEVATION

24"x36" SCALE: 1/8" = 1'-0"
 11"x17" SCALE: 1/16" = 1'-0"
 8' 6' 4' 2' 0' 8'

1



PROPOSED SOUTH ELEVATION

24"x36" SCALE: 1/8" = 1'-0"
 11"x17" SCALE: 1/16" = 1'-0"
 8' 6' 4' 2' 0' 8'

2

NOTES:
 1. ALL ANTENNA ARRAYS MUST HAVE 1'-0" MINIMUM CLEARANCE FROM TOWER STEEL.
 2. LEASE AREA FENCING & EQUIPMENT SHALL KEEP MIN. 2'-0" CLEARANCE FROM ALL TOWER STEEL.



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INFRASTRUCTURE PARTNERS
 AZ - CA - CO - ID - NM - NV - TX - UT
 2030 MAIN STREET, SUITE 200
 IRVINE, CA 92614

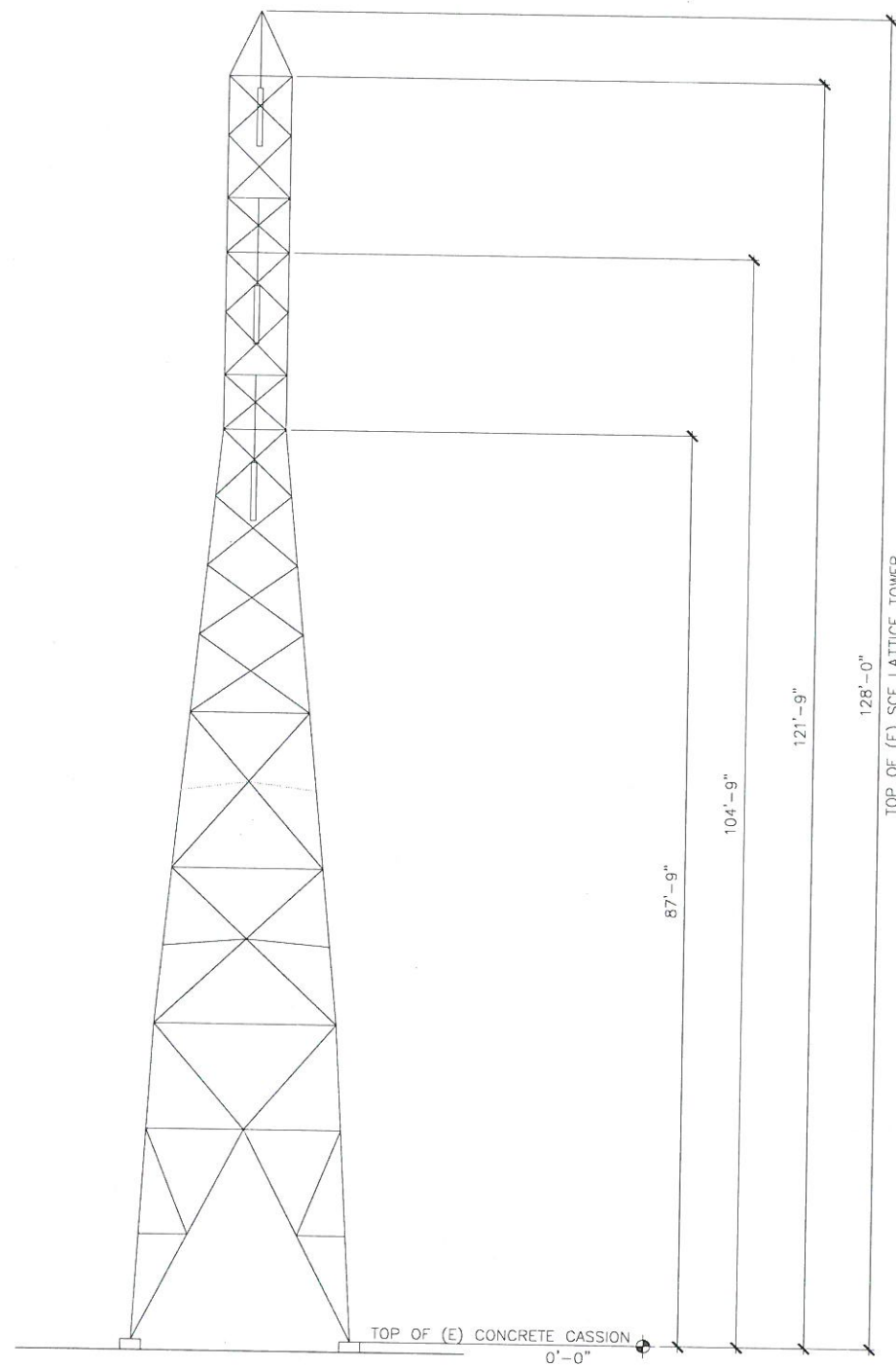
SITE NUMBER:
LA33958B
 SITE NAME:
EL DORADO MODEL AIRPLANE FIELD
 N/O E. WARDLOW ROAD
 AND E/O STEVELY STREET
 LONG BEACH, CA 90808

REV	DATE	DESCRIPTION
8	12/06/17	100% ZD: MINOR REV PER SCE
7	11/27/17	100% ZD: REVISION PER RF
6	11/17/17	100% ZD: REVISION PER SCE
5	11/02/17	100% ZD: REVISION PER RF
4	10/05/17	100% ZD: ISSUED FOR ZONING
3	09/14/17	100% ZD: REVISION PER SCE
2	09/08/17	100% ZD: REVISION PER DRM
1	08/31/17	100% ZD: POWER & TECLD POC
0	08/28/17	100% ZD: FINAL SURVEY ADDED
E	08/18/17	90% ZD REV PER DRM 7/17/17
D	07/19/17	90% ZD REV PER DRM 7/17/17
C	07/14/17	90% ZD REVISION PER DRM
B	07/06/17	90% ZD REVISION PER DRM
A	06/28/17	90% ZD ISSUED FOR REVIEW

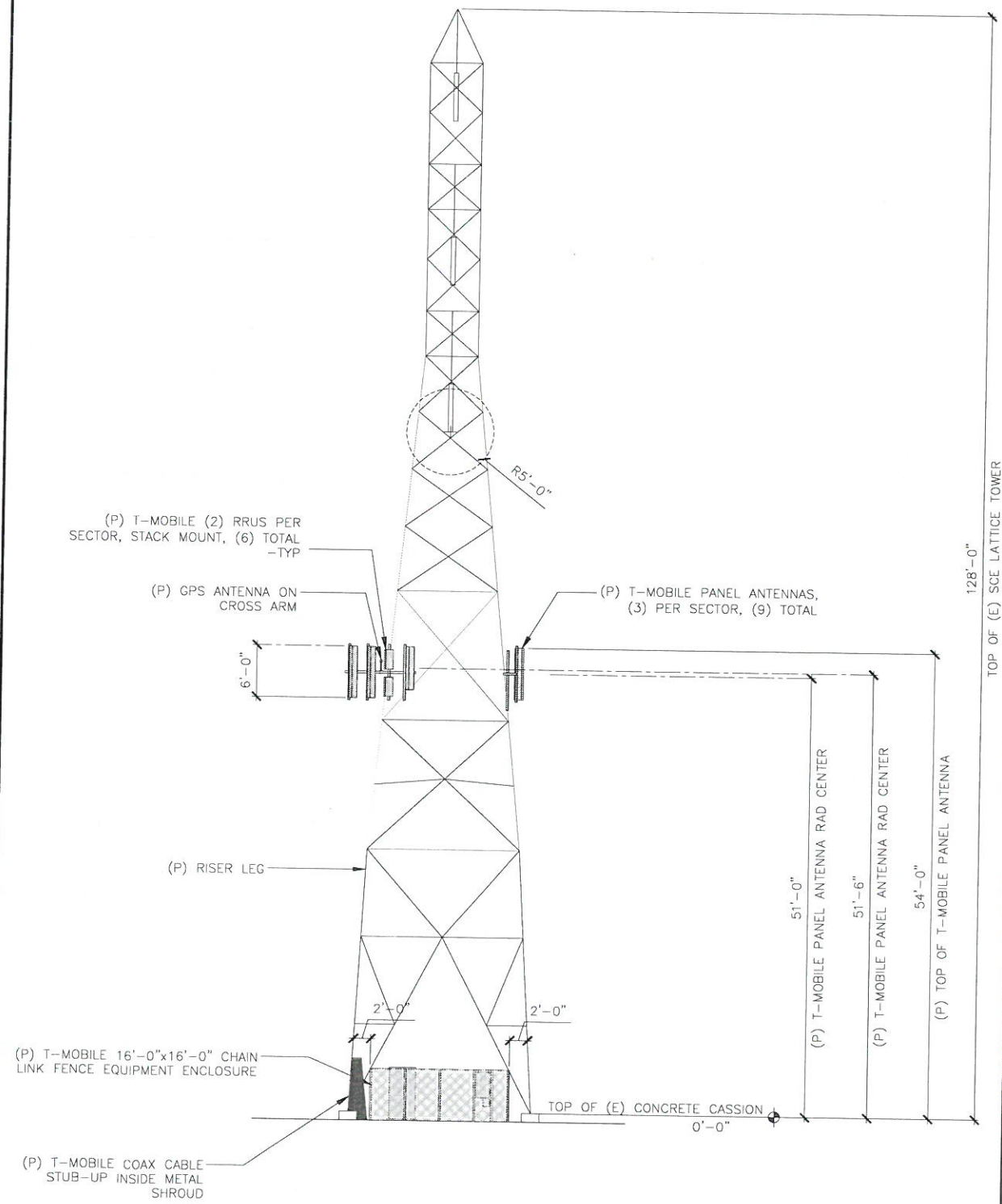
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SHEET TITLE
SOUTH ELEVATIONS

SHEET NUMBER
A06



NOTES:
 1. ALL ANTENNA ARRAYS MUST HAVE 1'-0" MINIMUM CLEARANCE FROM TOWER STEEL.
 2. LEASE AREA FENCING & EQUIPMENT SHALL KEEP MIN. 2'-0" CLEARANCE FROM ALL TOWER STEEL.



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SITE NUMBER:
LA33958B

SITE NAME:
EL DORADO MODEL AIRPLANE FIELD

N/O E. WARDLOW ROAD
 AND E/O STEVELY STREET
 LONG BEACH, CA 90808

REV	DATE	DESCRIPTION	BY
8	12/06/17	100% ZD: MINOR REV PER SCE	JD
7	11/27/17	100% ZD: REVISION PER RF	JD
6	11/17/17	100% ZD: REVISION PER SCE	JD
5	11/02/17	100% ZD: REVISION PER RF	JD
4	10/05/17	100% ZD: ISSUED FOR ZONING	JD
3	09/14/17	100% ZD: REVISION PER SCE	JD
2	09/08/17	100% ZD: REVISION PER DRM	JD
1	08/31/17	100% ZD: POWER & TECLO POC	JD
0	08/28/17	100% ZD: FINAL SURVEY ADDED	JD
E	08/18/17	90% ZD REV PER DRM 7/17/17	PS
D	07/19/17	90% ZD REV PER DRM 7/17/17	JD
C	07/14/17	90% ZD REVISION PER DRM	JD
B	07/06/17	90% ZD REVISION PER DRM	BH
A	06/28/17	90% ZD: ISSUED FOR REVIEW	BH

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SHEET TITLE
WEST ELEVATIONS

SHEET NUMBER
A07

EXISTING WEST ELEVATION

24"x36" SCALE: 1/8" = 1'-0"
 11"x17" SCALE: 1/16" = 1'-0"
 8' 6' 4' 2' 0' 8'

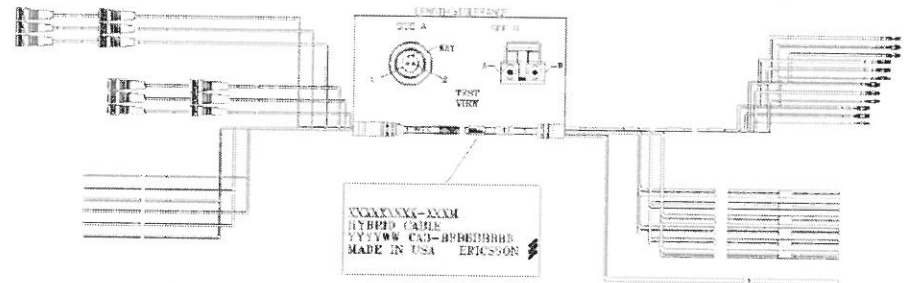
PROPOSED WEST ELEVATION

24"x36" SCALE: 1/8" = 1'-0"
 11"x17" SCALE: 1/16" = 1'-0"
 8' 6' 4' 2' 0' 8'

Ericsson Commercial in Confidence

HCS 6 X 12

ERICSSON HYBRID CABLE, 6 DC PAIRS + 12 OPTICAL PAIRS
UL APPROVED



6 x 12 Weight and diameter		
	6 AWG DC wires	4 AWG DC wires
Weight (kg/m)	2.5 (+/- 0.1)	3.6 (+/- 0.1)
Weight (lb/ft)	1.7 (+/- 0.1)	2.4 (+/- 0.1)
Diameter (mm)	35 (+/- 2.0 mm)	42 (+/- 2.0 mm)
Diameter (in)	1.38 (+/- 0.1")	1.66 (+/- 0.1")
Coax standard diameter equivalent	1 3/8"	1 5/8"

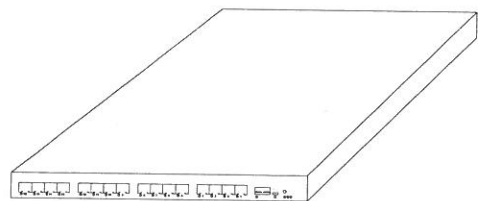
ERICSSON 6AWG 6X12 HCS CABLE

24"x36" SCALE: NTS
11"x17" SCALE: NTS

3

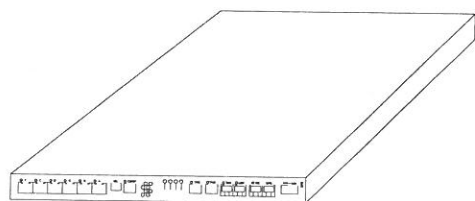
NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

EQUIPMENT SPECIFICATIONS
MFG: ERICSSON
MODEL: R503 XMU
HEIGHT: 1.22 IN
WIDTH: 13.80 IN
DEPTH: 11.00 IN
WEIGHT: 6.90 LBS



NOTE:
1. USE MANUFACTURER SUPPLIED MOUNTING HARDWARE.

EQUIPMENT SPECIFICATIONS
MFG: ERICSSON
MODEL: DUS41
HEIGHT: 1.20 IN
WIDTH: 13.80 IN
DEPTH: 11.00 IN
WEIGHT: 6.60 LBS



XMU SPECIFICATIONS

24"x36" SCALE: NTS
11"x17" SCALE: NTS

5

DUS41 SPECIFICATIONS

24"x36" SCALE: NTS
11"x17" SCALE: NTS

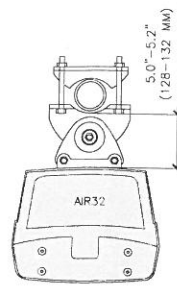
4

LNX-6514DS-AIM ANTENNA SPECIFICATIONS

24"x36" SCALE: NTS
11"x17" SCALE: NTS

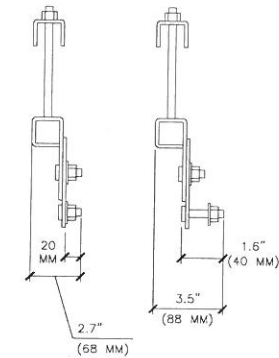
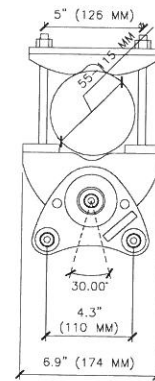
2

Mechanical	AIR21 B4a B2p	AIR32 Single Band (SB) B4a B2p	AIR32 Dual Band (DB) B66Aa B2a
Weight (without mounting brackets)	41 Kg (=90.4 lbs)	48 Kg (=105.8 lbs)	60 Kg (=132.2 lbs)
Dimensions (H x W x D)	1427 x 307 x 200 mm (=56.2" x 12.1" x 7.9")	1439 x 327 x 220 mm (=56.6" x 12.9" x 8.7")	1439 x 327 x 220 mm (=56.6" x 12.9" x 8.7")
Frontal Wind load @ 150 km/h (=42 m/s) wind speed	580 N	650 N	650 N



PLAN

TYPE NO.	85010070
NAME	AIR CLAMP KIT 55-115 MM
STATUS	RESTELLT
VIEW	
SUITABLE FOR MAST DIAMETER	55-115 MM
ANTENNA - MAST DISTANCE F	128-132 MM
NUMBER OF PIECES	2 PIECES
MATERIAL - CLAMP	HOT-DIP GALVANIZED STEEL
-SCREWS	HOT-DIP GALVANIZED STEEL / STAINLESS STEEL
-NUTS	STAINLESS STEEL
TYPE NO.	4.3 KG

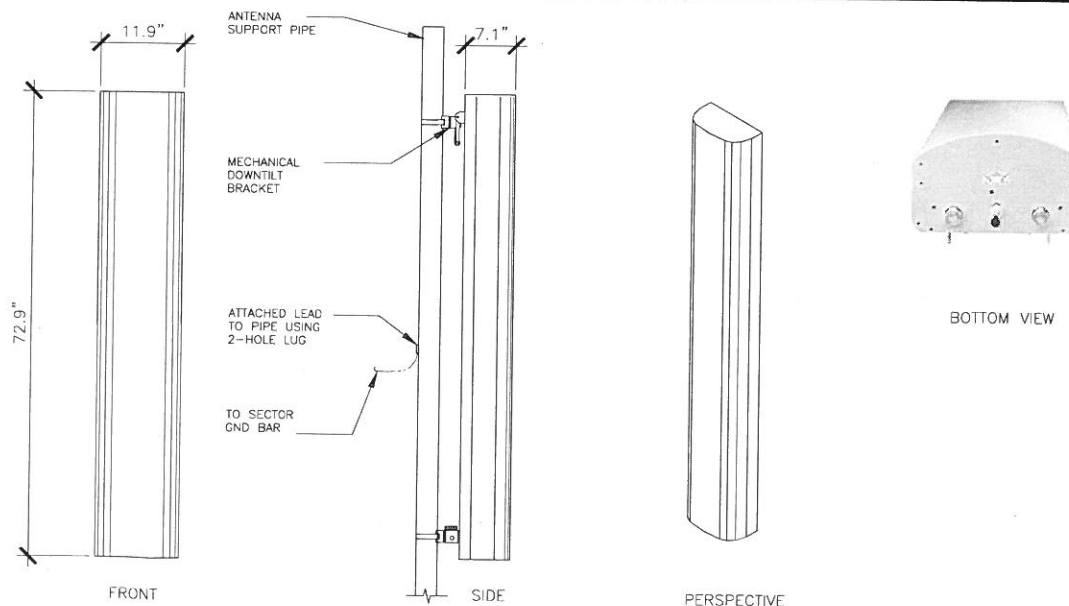


NOTES:
1. INSTALL ANTENNA TO EXISTING PIPE MAST USING MANUFACTURERS SUPPLIED BRACKETS AND MOUNTING HARDWARE.
2. SET MECHANICAL DOWNTILT TO VALUE SPECIFIED IN LATEST RFDS

AIR32 SPECIFICATION AND MOUNTING DETAIL

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1



2-PORT ANTENNA INFORMATION:
MANUFACTURER: COMMSCOPE
MODEL NO.: LNX-6514DS-A1M
DIMENSIONS (H x W x D): 72.9" x 11.9" x 7.1"
WEIGHT: 31.3 LBS

NOTES:
1. INSTALL ANTENNA TO EXISTING PIPE MAST USING MANUFACTURERS SUPPLIED BRACKETS AND MOUNTING HARDWARE.
2. SET MECHANICAL DOWNTILT TO TO VALUE SPECIFIED IN LATEST RFDS

T-Mobile
T-MOBILE WEST LLC

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INFRASTRUCTURE
AZ - CA - CO - ID - NM - NV - TX - UT
2030 MAIN STREET, SUITE 200
IRVINE, CA 92614

SITE NUMBER:
LA33958B
SITE NAME:
**EL DORADO MODEL
AIRPLANE FIELD**

N/O E. WARDLOW ROAD
AND E/O STEVELY STREET
LONG BEACH, CA 90808

REV	DATE	DESCRIPTION
8	12/06/17	100% ZD: MINOR REV PER SCE
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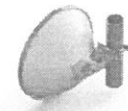
SHEET TITLE
DETAILS

SHEET NUMBER
D01

Product Specifications

COMMSCOPE®

NOTE:
T-MOBILE RF TO FINALIZE MW DISH MODEL# AND AZIMUTH



VHP2-13-2WH/B
0.6 m (1.2 ft) ValuLine® High Performance Low Profile Antenna, single-polarized,
12.700-13.250 GHz, PBR120 Flange, white antenna, composite broadband gray
radome without flash, compact pack-one piece reflector.

Product Classification

Brand: ValuLine®
Product Type: Microwave antenna

General Specifications

Antenna Type: VHP - ValuLine® High Performance Low Profile Antenna, single-polarized
Diameter, nominal: 0.6 m | 2 ft
Packing: Compact pack
Radome Color: Gray
Radome Material: Composite Broadband
Reflector Construction: One-piece reflector
Antenna Input: PBR120
Antenna Color: White
Antenna Type: VHP - ValuLine® High Performance Low Profile Antenna, single-polarized
Diameter, nominal: 0.6 m | 2 ft
Flash Included: No
Polarization: Single

Electrical Specifications

Operating Frequency Band: 12.700 - 13.250 GHz
Beamwidth, Horizontal: 2.7°
Beamwidth, Vertical: 2.7°
Cross Polarization Discrimination (XPD): 30 dB
Electrical Compatibility: Brazil Anatel Class 2 | Canada SRP 212.7 Part B | ET-1 302.217 Class 3
Gain, Low Band: 61 dB
Gain, Mid Band: 55.0 dB
Gain, High Band: 55.0 dB
Gain, Top Band: 56.2 dB
Operating Frequency Band: 12.700 - 13.250 GHz
Radiation Pattern Envelope Reference (RPE): 72028
Return Loss: 17.7 dB
VSWR: 1.20

Mechanical Specifications

Fine Azimuth Adjustment: ±15°
Fine Elevation Adjustment: ±15°

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Product Specifications

COMMSCOPE®

VHP2-13-2WH/B

Mounting Pipe Diameter: 50 mm-120 mm | 2.0 in-4.7 in
Net Weight: 8 kg | 17 lb
Side Struts, Included: 0
Side Struts, Optional: 0
Wind Velocity Operational: 100 km/h | 112 mph
Wind Velocity Survival Rating: 250 km/h | 125 mph

Wind Forces At Wind Velocity Survival Rating

Axial Force (FA): 1290 N | 290 lbf
Side Force (FS): 639 N | 144 lbf
Twisting Moment (MT): 395 N·m
Weight with 1/2 in (12 mm) Radial Ice: 21 kg | 46 lb
Zog with 1/2 in (12 mm) Radial Ice: 104 mm | 4 in
Zog without Ice: 74 mm | 3 in

Packed Dimensions

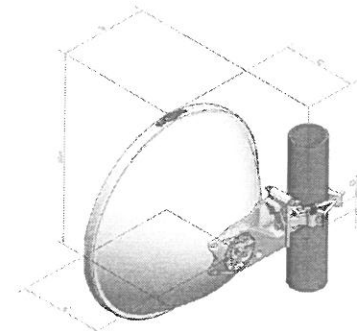
Gross Weight, Packed Antenna: 10.8 kg | 23.9 lb
Height: 354.0 mm | 13.9 in
Length: 730.0 mm | 28.7 in
Volume: 0.2 m³
Width: 695.0 mm | 27.4 in

Product Specifications

COMMSCOPE®

VHP2-13-2WH/B

Antenna Dimensions And Mounting Information



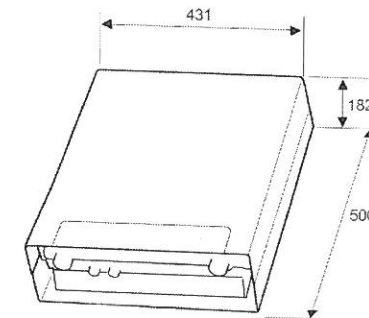
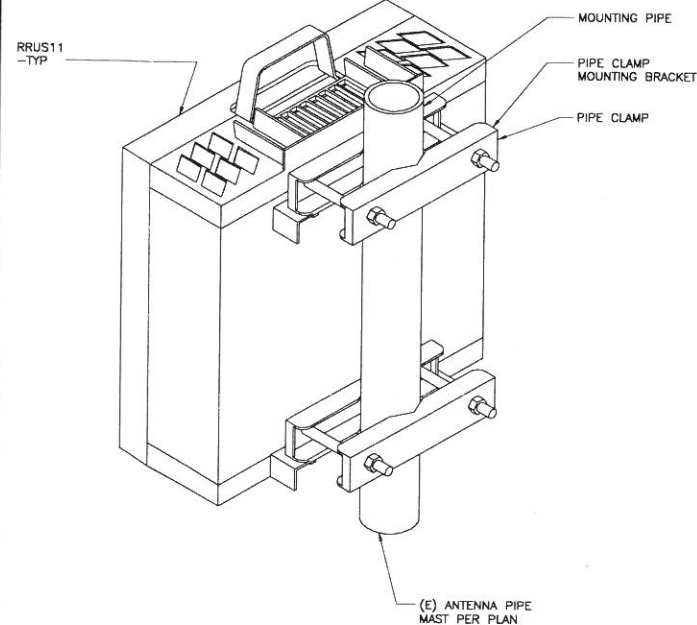
Dimension in inches (mm)					
Antenna Sub. (mm)	A	B	C	D	E
2 (0.8)	26 (660)	11.9 (302)	6.9 (252)	1.6 (25)	11.4 (289)

ANTENNA MOUNTING DETAIL (PROVIDED BY SCE)

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1

MANUFACTURER: ERICSSON
MODEL NO.: RRUS 11 B12
DIMENSIONS (HXWXD): 500mm (19.6") X 431mm (16.9") X 182 (7.16")
WEIGHT (WITHOUT MOUNTING): 50.7 LBS (23 KG)



Description	Value
Maximum nominal output power	2x10 W, 2x20 W, 2x30 W, 2x40 W ⁽¹⁾ (subject to license handling)
Number of carriers	One to four carriers (subject to license handling)

Description	Value
Dimensions with Solar Shield and Handle	
Height	500 mm
Width	431 mm
Depth	182 mm
Weight	
RRUS 11	23 kg
Color	
Gray	

T-Mobile

T-MOBILE WEST LLC

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INFRASTRUCTURE PARTNERS

AZ - CA - CO - ID - NM - NV - TX - UT

2030 MAIN STREET, SUITE 200
IRVINE, CA 92614

SITE NUMBER:
LA33958B

SITE NAME:
**EL DORADO MODEL
AIRPLANE FIELD**

N/O E. WARDLOW ROAD
AND E/O STEVELY STREET
LONG BEACH, CA 90808

REV	DATE	DESCRIPTION	BY
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1	08/31/17	100% ZD: POWER & TECLO POC	JD
0	08/28/17	100% ZD: FINAL SURVEY ADDED	JD
E	08/18/17	90% ZD REV PER DRM 7/17/17	PS
D	07/19/17	90% ZD REV PER DRM 7/17/17	JD
C	07/14/17	90% ZD REVISION PER DRM	JD
B	07/06/17	90% ZD REVISION PER DRM	BH
A	06/28/17	90% ZD ISSUED FOR REVIEW	BH

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SHEET TITLE

DETAILS

SHEET NUMBER
D02

2' Ø MICROWAVE DISH

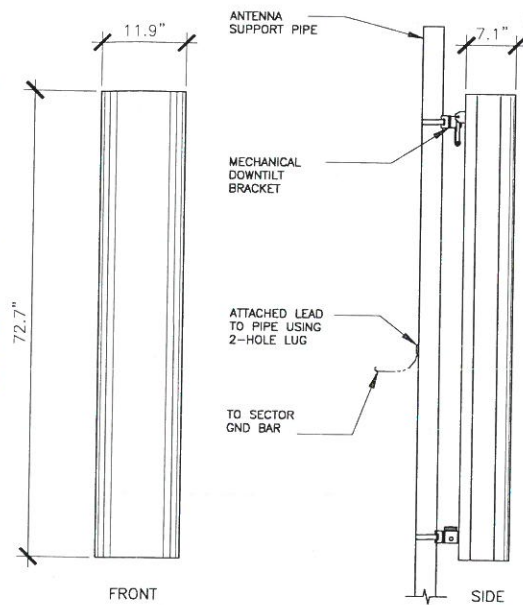
24"x36" SCALE: NTS
11"x17" SCALE: NTS

4

RRUS 11 B12 SPECIFICATION AND DETAIL

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2



4-PORT ANTENNA INFORMATION:
 MANUFACTURER: COMMSCOPE
 MODEL NO.: DBXNH-6565B-A2M
 DIMENSIONS (H x W x D): 72.7" x 11.9" x 7.1"
 WEIGHT: 46.3 LBS

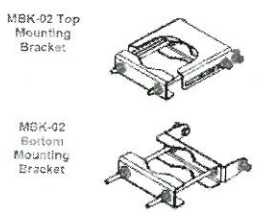
- NOTES:
 1. INSTALL ANTENNA TO EXISTING PIPE MAST USING MANUFACTURERS SUPPLIED BRACKETS AND MOUNTING HARDWARE
 2. SET MECHANICAL DOWNTILT TO TO VALUE SPECIFIED IN LATEST RFDS



PERSPECTIVE



BOTTOM VIEW



ANTENNA BRACKETS

DBXNH-6565B-A2M SPECIFICATION

24"x36" SCALE: NTS
 11"x17" SCALE: NTS

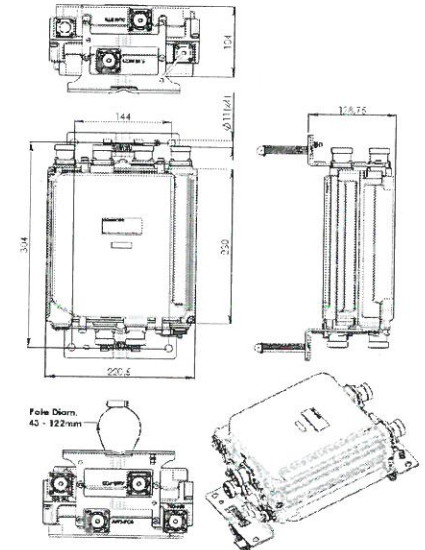
1

COMMSCOPE: TMAT1921B78-21A (TWIN DIPLEXED PCS/AWS TMA WITH 698-894 BY-PASS AND AISG STYLE 3C)

Mechanical

Dimensions, mm (in)	230(9) x 220.5(8.7) x 104(4)
Weight w/o mounting hardware, kg (lb)	8 (17.6)
Finish	Gray paint
Connectors - RF	7-16 DIN-F
Ground terminal diameter, mm	8

Model Number
 TMAT1921B78-21A.....Twin Diplexed PCS-AWS TMA with 698-894 by-pass and AISG style 3C



NOT USED

24"x36" SCALE: NTS
 11"x17" SCALE: NTS

4 NOT USED

24"x36" SCALE: NTS
 11"x17" SCALE: NTS

3 TWIN DIPLEXED PCS/AWS TMA

2



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INFRASTRUCTURE
 AZ - CA - CO - ID - NM - NV - TX - UT
 2030 MAIN STREET, SUITE 200
 IRVINE, CA 92614

SITE NUMBER:
LA33958B
 SITE NAME:
EL DORADO MODEL AIRPLANE FIELD
 N/O E. WARDLOW ROAD
 AND E/O STEVELY STREET
 LONG BEACH, CA 90808

REV	DATE	DESCRIPTION	
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A	06/28/17	90% ZD ISSUED FOR REVIEW	BH

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SHEET TITLE
DETAILS

SHEET NUMBER
D03



LA33958B
EL DORADO MODEL AIRPLANE FIELD
N/O WARDLOW ROAD & E/O STEVELY AVENUE LONG BEACH CA 90808



VIEW 1



LOCATION



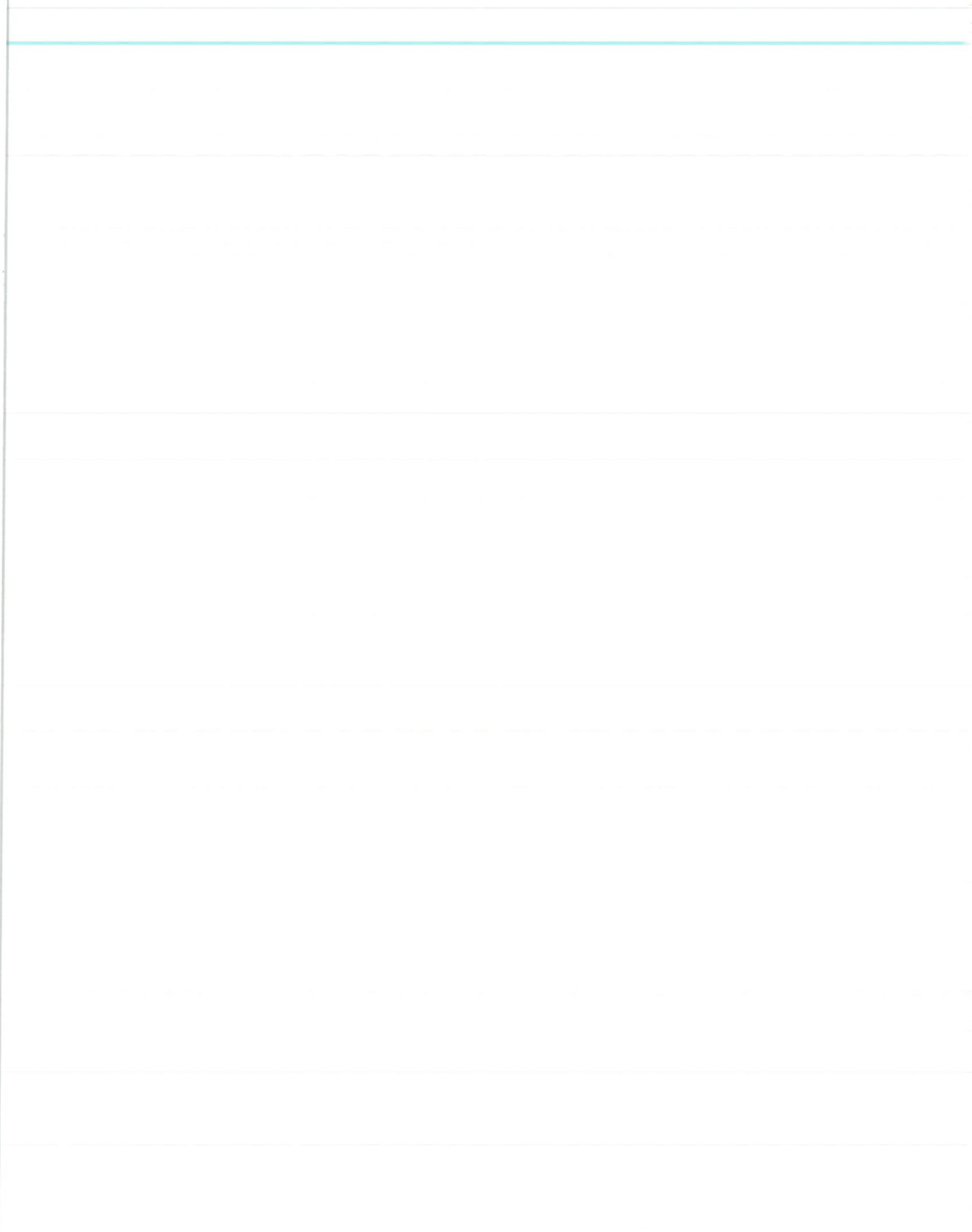
EXISTING



PROPOSED

LOOKING NORTHWEST FROM SNAKE ROAD

ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.





LA33958B
EL DORADO MODEL AIRPLANE FIELD
N/O WARDLOW ROAD & E/O STEVELY AVENUE LONG BEACH CA 90808



VIEW 2

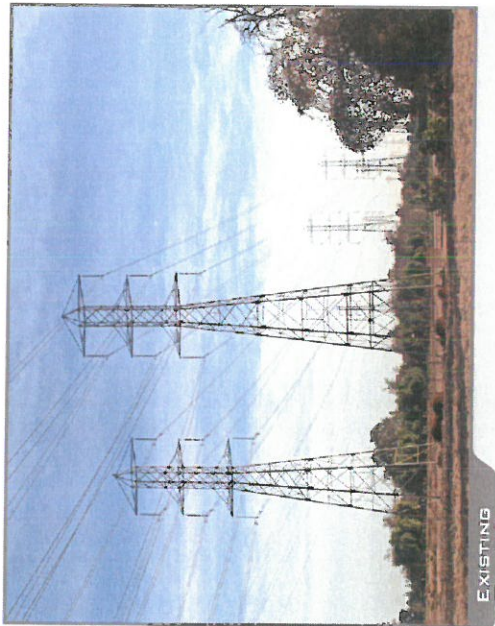


LOCATION



PROPOSED

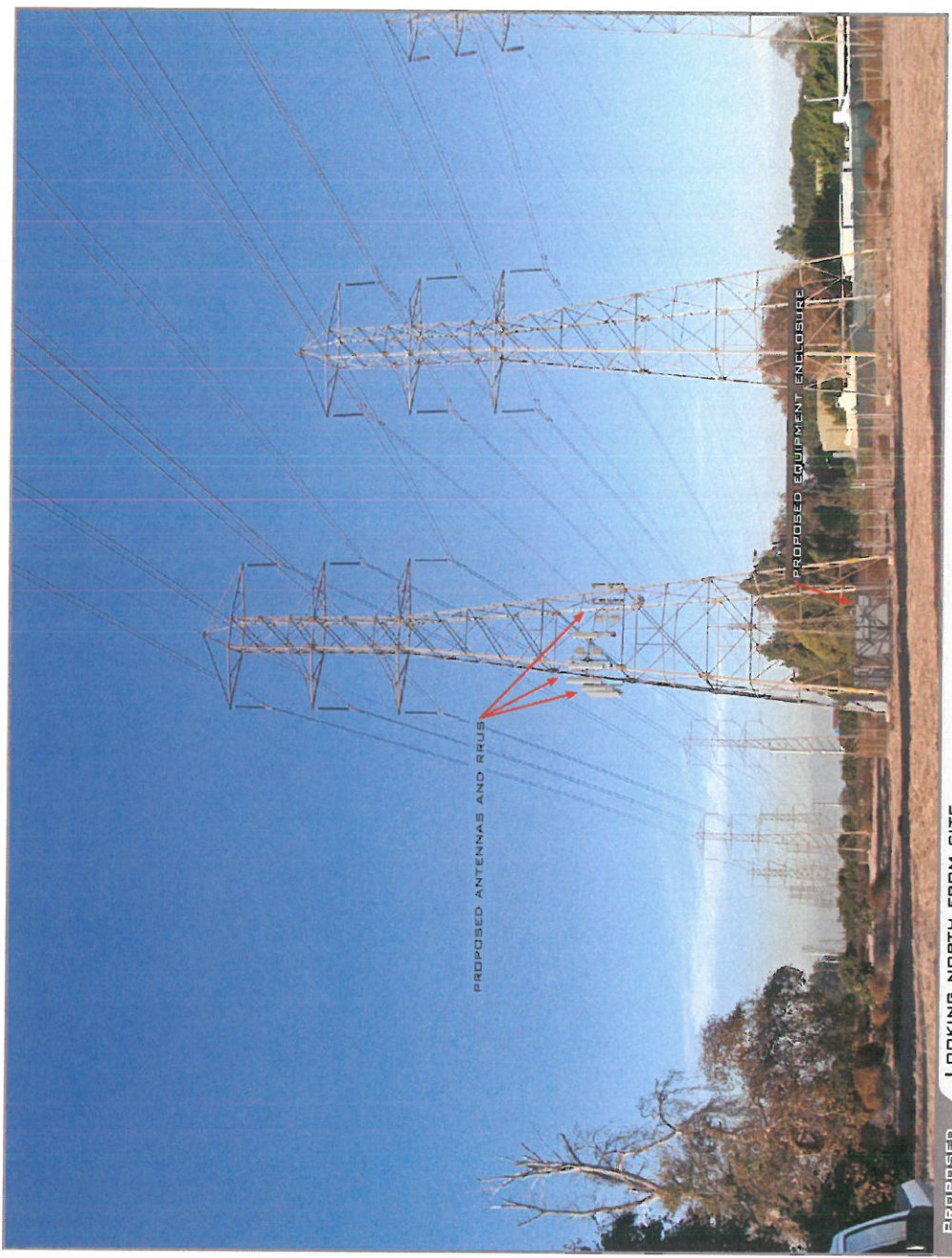
LOOKING SOUTH FROM SITE



EXISTING

ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.





ACCURACY OF PHOTO SIMULATION BASED UPON INFORMATION PROVIDED BY PROJECT APPLICANT.