

# SITE NUMBER: NL0082 (79531)

## SITE NAME: R.O.W. COLD CYN-B



12900 PARK PLAZA DRIVE  
CERRITOS, CA 90703



**BLACK & VEATCH**

12750 CENTER COURT DRIVE  
SUITE #600  
CERRITOS, CA 90703



PRESCOTT COMMUNICATIONS INC.

10640 Sepulveda Blvd, Suite 1, Mission Hills, CA 91345  
Phone No.: (818)898-2352 Fax No.: (818)898-9186

PROJECT NO: 28500173-15

DRAWN BY: JB

CHECKED BY: RB

REV	DATE	DESCRIPTION
4	03-12-12	ADDED SINGLE LINE DIAGRAM
3	02-09-12	UPDATED AZIMUTHS
2	08-05-11	REVISED PER DRM
1	06-22-11	PRELIMINARY

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.

NL0082-LTE  
1407U COLD CANYON RD.  
(UNINCORPORATED)  
MONTE NIDO, CA 91302

SHEET TITLE

TITLE SHEET

SHEET NUMBER

**T-1**

### PROJECT: LTE

## 1407U COLD CANYON RD. (UNINCORPORATED) MONTE NIDO, CA 91302

#### DRAWING INDEX

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LS-1	TOPOGRAPHIC SURVEY
A-1	SITE PLAN
A-2	ELEVATIONS
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E-1	SINGLE LINE DIAGRAM

#### PROJECT DESCRIPTION

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

- AT&T MOBILITY TO PLACE A NEW 35'-0" (30'-0" AGL) CLASS (1) WOOD POLE #50205LAC WITH (2)-8' COMPOSITE DOUBLE CROSS ARMS AND (6)-6' PANEL ANTENNAS IN DIRT PARKWAY.
- AT&T MOBILITY TO PLACE (1) 17'-1.5"x7'-1.5"x16'-6.25"d (CEMH 616-9) CONTROLLED ENVIRONMENT MANHOLE IN DIRT PARKWAY.
- REPLACE EXIST. (100 AMP) METER PEDESTAL WITH (1)-20"x48"x17" (200 AMP) MYERS ELECTRICAL METER PEDESTAL ON EXIST. CONC. PAD.

#### APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.

AT&T RF ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 AT&T OPERATIONS: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SITE ACQUISITION: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CONSTRUCTION MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PROPERTY OWNER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 ZONING: \_\_\_\_\_ DATE: \_\_\_\_\_  
 PROJECT MANAGER: \_\_\_\_\_ DATE: \_\_\_\_\_

#### ENGINEERING

2010 CALIFORNIA BUILDING CODE  
2009 INTERNATIONAL BUILDING CODE  
2008 NATIONAL ELECTRIC CODE  
TIA/EIA-222-F OR LATEST EDITION

#### 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.



**UNDERGROUND  
SERVICE ALERT OF  
SOUTHERN CALIFORNIA  
800-227-2600**

48 HOURS BEFORE YOU DIG

#### GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

#### SITE INFORMATION

PROPERTY OWNER: COUNTY OF LOS ANGELES  
ADDRESS: PUBLIC RIGHT OF WAY  
DOUGLAS CHASTAIN  
PRINCIPAL CIVIL ENGINEER  
320 TEMPLE, ROOM 1360  
LOS ANGELES, CA 90012  
PHONE: (213) 974-6470

APPLICANT: AT&T  
ADDRESS: 12900 PARK PLAZA DRIVE  
CERRITOS, CA 90703

LATITUDE (NAD 83): 34° 05' 28.32" N  
34.0912°

LONGITUDE (NAD 83): 118° 40' 49.34" W  
-118.680372°

LONGITUDE/LATITUDE TYPE: NAD 83

GROUND ELEVATION: 726.5' AMSL

APN #: N/A

ZONING JURISDICTION: COUNTY OF LOS ANGELES

CURRENT ZONING: PUBLIC RIGHT OF WAY

PROPOSED USE: UNMANNED  
TELECOMMUNICATIONS FACILITY

#### PROJECT TEAM

PROJECT MANAGER:  
BLACK & VEATCH  
12750 CENTER COURT DRIVE,  
SUITE #600  
CERRITOS, CA 90703  
CONTACT: ROB SEARCY  
PHONE: (562) 402-2652 X27  
EMAIL: ParamoLE@bv.com

ENGINEER:  
C.E.S.  
10640 SEPULVEDA BLVD, SUITE #1  
MISSION HILLS, CA 91345  
CONTACT: REID BIGGS  
PHONE: (818) 898-2352  
EMAIL: reid.biggs@cableeng.com

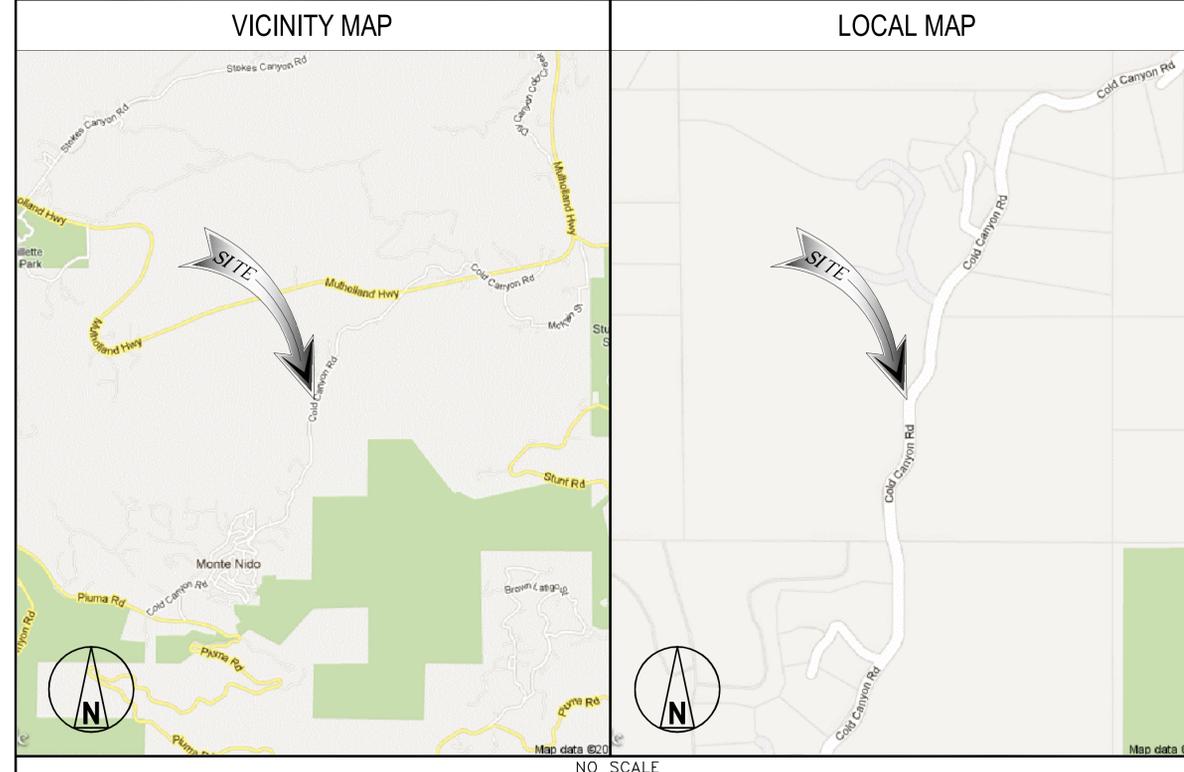
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10640 SEPULVEDA BLVD, SUITE #1  
MISSION HILLS, CA 91345  
CONTACT: ROB SEARCY  
PHONE: (818) 898-2352  
EMAIL: rob.searcy@cableeng.com

ZONING:  
C.E.S.  
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MISSION HILLS, CA 91345  
CONTACT: ROB SEARCY  
PHONE: (818) 898-2352  
EMAIL: rob.searcy@cableeng.com

RF ENGINEER:  
AT&T  
12900 PARK PLAZA DRIVE  
CERRITOS, CA 90703  
CONTACT: OMAIR MOHAMMED  
PHONE: (214) 524-4862  
EMAIL: om636a@att.com

CONSTRUCTION MANAGER:  
OVERLAND CONTRACTING  
12750 CENTER COURT DRIVE, SUITE  
#600  
CERRITOS, CA 90703  
CONTACT: JAKE SOWERS  
PHONE: (678) 849-4663  
EMAIL: sowersj@bv.com  
sowersj@overlandcontracting.com

#### LOCATION MAPS



#### DRIVING DIRECTIONS

DIRECTIONS FROM AT&T OFFICE:



12900 Park Plaza Dr. Cerritos, CA 90703

1. Head east on Park Plaza Dr toward Shoemaker Ave 0.1 mi
2. Turn left onto Shoemaker Ave 0.4 mi
3. Turn left onto Artesia Blvd 0.1 mi
4. Take the ramp onto CA-91 W 2.1 mi
5. Take exist 17B to merge onto I-605 N 2.0 mi
6. Take exit 9B to merge onto I-105/Century Fwy 16.0 mi

7. Take exit 2B to merge onto I-405 N toward Santa Monica 17.9 mi
8. Take exit 63B to merge onto US-101 N toward Ventura 9.0 mi
9. Take exit 27B to merge onto CA-27 S/Topanga Canyon Blvd 1.6 mi
10. Turn right onto Mulholland Dr 0.5 mi
11. Turn left onto Mulholland Hwy 6.2 mi
12. Slight left onto Cold Canyon Rd 0.7 mi  
Destination will be on the left

1407U COLD CANYON RD, (UNINCORPORATED) MONTE NIDO, CA 91302

**SYMBOL DESCRIPTION**

E/O/D **EDGE OF DIRT**

W/L **WHITE LINE**

R/O/W **RIGHT OF WAY**

E/O/P **EDGE OF PAVEMENT**

C/L **CENTER LINE**

C/F **CURBFACE**

P/L **PROPERTY LINE**

 **EXISTING CUT**

 **FENCE**

 **WALL**

 **DRIVEWAY**

 **BUSHES**

 **TREE**

 **UTILITY POLE**

 **SITE POLE**

 **STREET LIGHT**

 **PARKING METER/STREET SIGN**

 **DOWN GUY**

 **FIRE HYDRANT**

 **UTILITY VALVE**

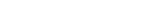
 **UTILITY MANHOLE**

 **SEWER MANHOLE**

 **SQUARE VENT**

 **ROUND VENT**

 **DIG-ALERTS**

 **HANDICAP RAMP**

**GENERAL NOTES AND CONDITIONS**

**INTENT**

1. THESE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE DONE & THE MATERIALS TO BE FURNISHED FOR CONSTRUCTION.
2. THE INTENTION OF THE DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS REASONABLY NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK AS STIPULATED IN THE CONTRACT.
3. THE PURPOSE OF THE SPECIFICATIONS IS TO INTERPRET THE INTENT OF THE DRAWINGS AND TO DESIGNATE THE METHOD OF THE PROCEDURE, TYPE AND QUALITY OF MATERIALS REQUIRED TO COMPLETE THE WORK.
4. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND SHALL BE CONSIDERED AS PART OF THE WORK. NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE MADE OR PERMITTED BY THE OWNER WITHOUT ISSUING A CHANGE ORDER.

**CONFLICTS**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK. NO EXTRA CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED IN THE CONSTRUCTION DRAWINGS. ANY SUCH DISCREPANCY IN DIMENSIONS WHICH MAY BE FOUND SHALL BE SUBMITTED TO THE OWNER FOR CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREAS.
2. THE BIDDER, IF AWARDED THE CONTRACT, WILL NOT BE ALLOWED ANY EXTRA COMPENSATION BY REASON OF ANY MATTER OR THING CONCERNING WHICH SUCH BIDDER MIGHT HAVE FULLY INFORMED THEMSELVES PRIOR TO THE BIDDING.
3. NO PLEA OF IGNORANCE OF CONDITIONS THAT EXIST, OR OF DIFFICULTIES OR CONDITIONS THAT MAY BE ENCOUNTERED OR OF ANY OTHER RELEVANT MATTER CONCERNING THE WORK TO BE PERFORMED IN THE EXECUTION OF THE WORK WILL BE ACCEPTED AS AN EXCUSE FOR ANY FAILURE OR OMISSION ON THE PART OF THE CONTRACTOR TO FULFILL EVERY DETAIL OF ALL THE REQUIREMENTS OF THE CONTRACT DOCUMENTS GOVERNING THE WORK.

**WARRANTIES & BONDS**

1. CONTRACTOR IS RESPONSIBLE FOR APPLICATION AND PAYMENT OF CONTRACTOR LICENSES AND BONDS.
2. SEE MASTER CONTRACTOR SERVICES AGREEMENT FOR ADDITIONAL DETAILS.

**STORAGE**

1. ALL MATERIALS MUST BE STORED IN A LEVEL AND DRY FASHION AND IN A MANNER THAT DOES NOT NECESSARILY OBSTRUCT THE FLOW OF OTHER WORK.
2. BTS CABINETS MUST BE STORED INSIDE UNTIL THERE IS POWER ON SITE
3. STORAGE METHOD MUST MEET ALL RECOMMENDATIONS OF THE ASSOCIATED MANUFACTURER.

**RELATED DOCUMENTS AND COORDINATION**

1. GENERAL CONSTRUCTION, ELECTRICAL AND ANTENNA DRAWINGS ARE INTERRELATED. IN PERFORMANCE OF THE WORK, THE CONTRACTOR MUST REFER TO ALL DRAWINGS. ALL COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**CHANGE ORDER PROCEDURE**

1. CHANGE ORDERS MAY BE INITIATED BY THE OWNER AND/OR THE CONTRACTOR INVOLVED. THE CONTRACTOR, UPON VERBAL REQUEST FROM THE OWNER SHALL PREPARE A WRITTEN PROPOSAL DESCRIBING THE CHANGE IN WORK OR MATERIALS AND ANY CHANGES IN THE CONTRACT AMOUNT AND PRESENT TO THE OWNER WITHIN 72 HRS FOR APPROVAL. SUBMIT REQUESTS FOR SUBSTITUTIONS IN THE FORM AND IN ACCORDANCE WITH PROCEDURES REQUIRED FOR CHANGE ORDER PROPOSALS. ANY CHANGES IN THE SCOPE OF WORK OR MATERIALS WHICH ARE PERFORMED BY THE CONTRACTOR WITHOUT A WRITTEN CHANGE ORDER AS DESCRIBED & APPROVED BY THE OWNER SHALL PLACE FULL RESPONSIBILITY OF THESE ACTIONS ON THE CONTRACTOR.

**SHOP DRAWINGS**

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AS REQUIRED AND LISTED IN THESE DRAWINGS TO THE OWNER FOR APPROVAL.
2. ALL SHOP DRAWINGS SHALL BE REVIEWED, CHECKED AND CORRECTED BY CONTRACTOR PRIOR TO SUBMITTAL TO THE OWNER.

**PRODUCTS & SUBSTITUTIONS**

1. SUBMIT 3 COPIES OF EACH REQUEST FOR SUBSTITUTION. IN EACH REQUEST IDENTIFY THE PRODUCT OR FABRICATION OR INSTALLATION METHOD TO BE REPLACED BY THE SUBSTITUTION INCLUDE RELATED SPECIFICATION SECTION AND DRAWING NUMBERS AND COMPLETE DOCUMENTATION SHOWING COMPLIANCE WITH THE REQUIREMENTS FOR SUBSTITUTIONS.
2. SUBMIT ALL NECESSARY PRODUCT DATA AND CUT SHEETS WHICH PROPERLY INDICATE AND DESCRIBE THE ITEMS, PRODUCTS & MATERIALS BEING INSTALLED. THE CONTRACTOR SHALL, IF DEEMED NECESSARY BY THE OWNER SUBMIT ACTUAL SAMPLES TO THE OWNER FOR APPROVAL IN LIEU OF CUT SHEETS.

**CODE COMPLIANCE**

1. ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THESE SHALL INCLUDE BUT NOT BE LIMITED TO THE LATEST VERSION OF THE FOLLOWING:

2010 CALIFORNIA BUILDING CODE, 2010 CALIFORNIA MECHANICAL CODE, 2008 CALIFORNIA ELECTRICAL CODE, 2010 CALIFORNIA CODE OF REGULATIONS FOR ENERGY CONSERVATION, 2009 CALIFORNIA PLUMBING CODE, GO 95/GO 128

**INSURANCE AND BONDS**

1. CONTRACTOR SHALL AT THEIR OWN EXPENSE CARRY AND MAINTAIN FOR THE DURATION OF THE PROJECT ALL INSURANCE AS REQUIRED AND LISTED.
2. CONTRACTOR SHALL NOT COMMENCE WITH THEIR WORK UNTIL THEY HAVE PRESENTED AN ORIGINAL CERTIFICATE OF INSURANCE STATING ALL COVERAGE'S TO THE OWNER.
3. THE OWNER SHALL BE NAMED AS AN ADDITIONAL INSURED ON ALL POLICIES.
4. REFER TO THE MASTER AGREEMENT FOR REQUIRED INSURANCE LIMITS.

**ADMINISTRATION**

1. BEFORE THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR WILL ASSIGN A PROJECT MANAGER WHO WILL ACT AS A SINGLE POINT OF CONTACT FOR ALL PERSONNEL INVOLVED IN THIS PROJECT. THIS PROJECT MANAGER WILL BE DEVELOP A MASTER SCHEDULE FOR THE PROJECT WHICH WILL SUBMITTED TO THE OWNER PRIOR TO THE COMMENCEMENT OF ANY WORK.
2. SUBMIT A BAR TYPE PROGRESS CHART NOT MORE THAN THREE (3) DAYS AFTER THE DATE ESTABLISHED FOR COMMENCEMENT OF THE WORK ON THE SCHEDULE, INDICATING A TIME BAR FOR EACH MAJOR CATEGORY OF WORK TO BE PERFORMED AT THE SITE, PROPERLY SEQUENCED AND COORDINATED WITH OTHER ELEMENTS OF WORK & SHOWING COMPLETION OF THE WORK SUFFICIENTLY IN ADVANCE OF THE DATE ESTABLISHED FOR SUBSTANTIAL COMPLETION OF THE SITE.
3. PRIOR TO COMMENCING CONSTRUCTION, THE OWNER SHALL SCHEDULE AN ON-SITE MEETING WITH ALL MAJOR PARTIES. THIS WOULD INCLUDE (THOUGH NOT LIMITED TO) THE OWNER, PROJECT MANAGER, CONTRACTOR, LAND OWNER REPRESENTATIVE, LOCAL TELEPHONE COMPANY, TOWER ERECTION FOREMAN (IF SUBCONTRACTED).
4. CONTRACTOR SHALL BE EQUIPPED WITH SOME MEANS OF CONSTANT COMMUNICATIONS, SUCH AS A MOBILE PHONE OR A BEEPER. THIS EQUIPMENT WILL NOT BE SUPPLIED BY THE BY THE OWNER, NOR WILL WIRELESS SERVICE BE ARRANGED.
5. DURING CONSTRUCTION, CONTRACTOR MUST ENSURE THAT EMPLOYEES AND SUBCONTRACTORS WEAR HARD HATS AT ALL TIMES. CONTRACTOR WILL COMPLY WITH ALL CLIENT SAFETY REQUIREMENTS IN THEIR AGREEMENT.
6. PROVIDE WRITTEN DAILY UPDATES AND PHOTOGRAPHS OF ON SITE PROGRESS TO THE PROJECT MANAGER VIA E-MAIL.
7. A COMPLETE INVENTORY OF CONSTRUCTION MATERIALS AND EQUIPMENT IS REQUIRED PRIOR TO START OF CONSTRUCTION.
8. NOTIFY THE OWNER / PROJECT MANAGER IN WRITING NO LESS THAN 48 HOURS IN ADVANCE OF CONCRETE POURS, TOWER ERECTIONS, AND EQUIPMENT CABINET PLACEMENTS.
9. CLOSEOUT PACKAGE IS DUE COMPLETE WITH DETAILED TOP PHOTOS UPON SITE PUNCHWALK WITH PROJECT MANAGER (SEE PROJECT MANAGER FOR SAMPLE CLOSEOUT PACKAGE).

**CLEAN UP**

1. THE CONTRACTOR SHALL AT ALL TIMES KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY THEIR EMPLOYEES AT WORK. AT THE COMPLETION OF THE WORK, THEY SHALL REMOVE ALL RUBBISH FROM AND ABOUT THE BUILDING AREA, INCLUDING ALL THEIR TOOLS, SCAFFOLDING AND SURPLUS MATERIALS AND SHALL LEAVE THEIR WORK CLEAN AND READY FOR USE.
2. VISUALLY INSPECT EXTERIOR SURFACES AND REMOVE ALL TRACES OF SOIL, WASTE MATERIALS, SMUDGES & OTHER FOREIGN MATTER.
3. REMOVE ALL TRACES OF SPLASHED MATERIALS FROM ADJACENT SURFACES.
4. IF NECESSARY TO ACHIEVE A UNIFORM DEGREE OF CLEANLINESS, HOSE DOWN THE EXTERIOR OF THE STRUCTURE.

1. INDEMNIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL; ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTIES. THAT THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND INDEMNITY AND HOLD AT&T MOBILITY, IT'S REPRESENTATIVES, AND ENGINEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT.
2. PRIOR TO THE BEGINNING OF ANY CONSTRUCTION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK, THE CONTRACTOR SHALL FULLY COMPLY WITH "CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH" ACT OF 1973 INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.
3. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF GO 95, 128, AND THE STANDARD "SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", AS ADOPTED BY THE CITY, COUNTY OR STATE AS MODIFIED BY STANDARD PLANS AND ADDENDUMS.
4. THE EXISTENCE AND LOCATION OF UTILITIES AND OTHER AGENCIES, FACILITIES AS SHOWN HEREON ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER FACILITIES MAY EXIST. THE CONTRACTOR SHALL VERIFY PRIOR TO THE START OF CONSTRUCTION AND SHALL USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THESE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY OR AGENCY FACILITIES WITHIN THE LIMITS OR WORK, WHETHER THEY ARE SHOWN ON THIS PLAN OR NOT.
5. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (800) 227-2600, AT LEAST TWO WORKING DAYS PRIOR TO THE START OF ANY EXCAVATION.
6. THE CONTRACTOR SHALL NOTIFY THE CITY, COUNTY OR STATE ENGINEER INSPECTION DEPARTMENT, (310) 649-6300, AT LEAST TWO DAYS BEFORE START OF ANY WORK REQUIRING THEIR INVOLVEMENT.
7. ALL WORK AREA AND STREET TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) AND SPECIFICATIONS FROM THE CITY, COUNTY OR STATE.
8. THE CITY, COUNTY OR STATE SHALL SPECIFY THE EXPIRATION PERIOD OF THE PERMIT FOR THIS CONSTRUCTION PROJECT.
9. THE MINIMUM COVER FOR ALL CONDUITS PLACED UNDERGROUND SHALL BE 30 INCHES TO THE FINISHED GRADE AT ALL TIMES.
10. THE CONTRACTOR SHALL HDD OR OPEN CUT ALL CURB AND GUTTERS, CONCRETE DRIVEWAYS AND ASSIST RAMPS AT THE DIRECTION OF THE CITY, COUNTY OR STATE INSPECTOR.
11. ALL A.C. AND/OR CONCRETE PAVEMENT SHALL BE REPLACED AT THE DIRECTION OF THE CITY, COUNTY OR STATE ENGINEERS.
12. ALL SHRUBS, PLANTS OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK, SHALL BE REPLANTED AND/OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION.
13. IF DAMAGE OCCURS TO THE CITY OR COUNTY FACILITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY, TRAFFIC CONTROL LIGHTING; (626) 459-4357, STREET LIGHTING (800) 655-4555.
14. AT LEAST TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK, NOTIFY THE POLICE TRAFFIC BUREAU (310) 456-6652 AND THE FIRE DEPARTMENT; (323) 326-2211.
15. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROCESSING OF ALL APPLICATION PERMIT FORMS ALONG WITH THE REQUIRED LIABILITY INSURANCE FORMS, CLEARLY DEMONSTRATING THAT AT&T MOBILITY, THE CITY, COUNTY OR STATE AS ALSO INSURED WITH THE REQUIRED LIABILITY INSURANCE IN THE AMOUNT OF \$1,000,000.00 FOR THIS CONSTRUCTION PROJECT.
16. VAULTS, PEDESTALS, CONDUITS AND OTHER TYPES OF SUBSTRUCTURE ARE EITHER SPECIFIED ON THIS PLAN OR WILL BE SPECIFIED BY THE CONSTRUCTION ENGINEER. ANY AND ALL DEVIATIONS FROM THE SPECIFIED TYPES OF MATERIAL MUST BE APPROVED BY THE SYSTEM ENGINEER, IN WRITING BEFORE INSTALLATION THEREOF.
17. ALL U.G. CONDUIT MUST BE SCHEDULE 40 OR BETTER, UNLESS SPECIFIED.



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CERRITOS, CA 90703



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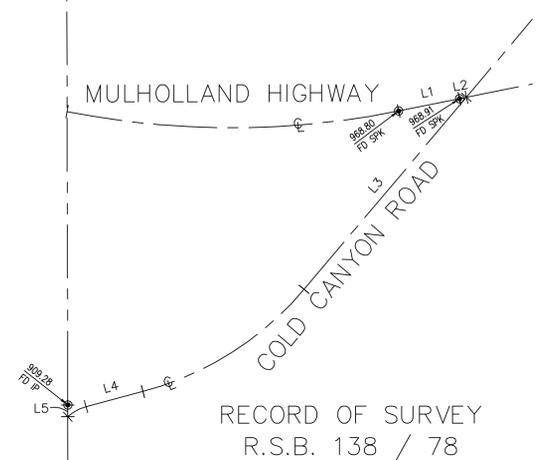
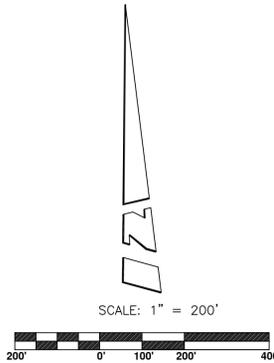
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(UNINCORPORATED)  
MONTE NIDO, CA 91302

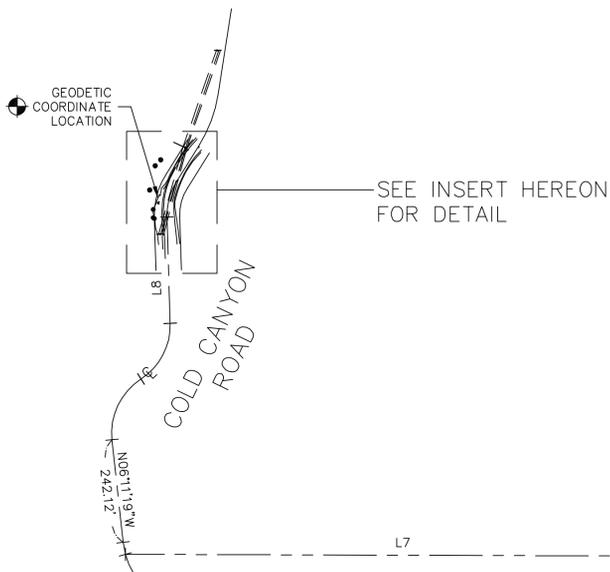
SHEET TITLE  
ABBREVIATIONS,  
SYMBOLGY AND GENERAL  
NOTES

SHEET NUMBER  
**T-2**



RECORD OF SURVEY  
R.S.B. 138 / 78

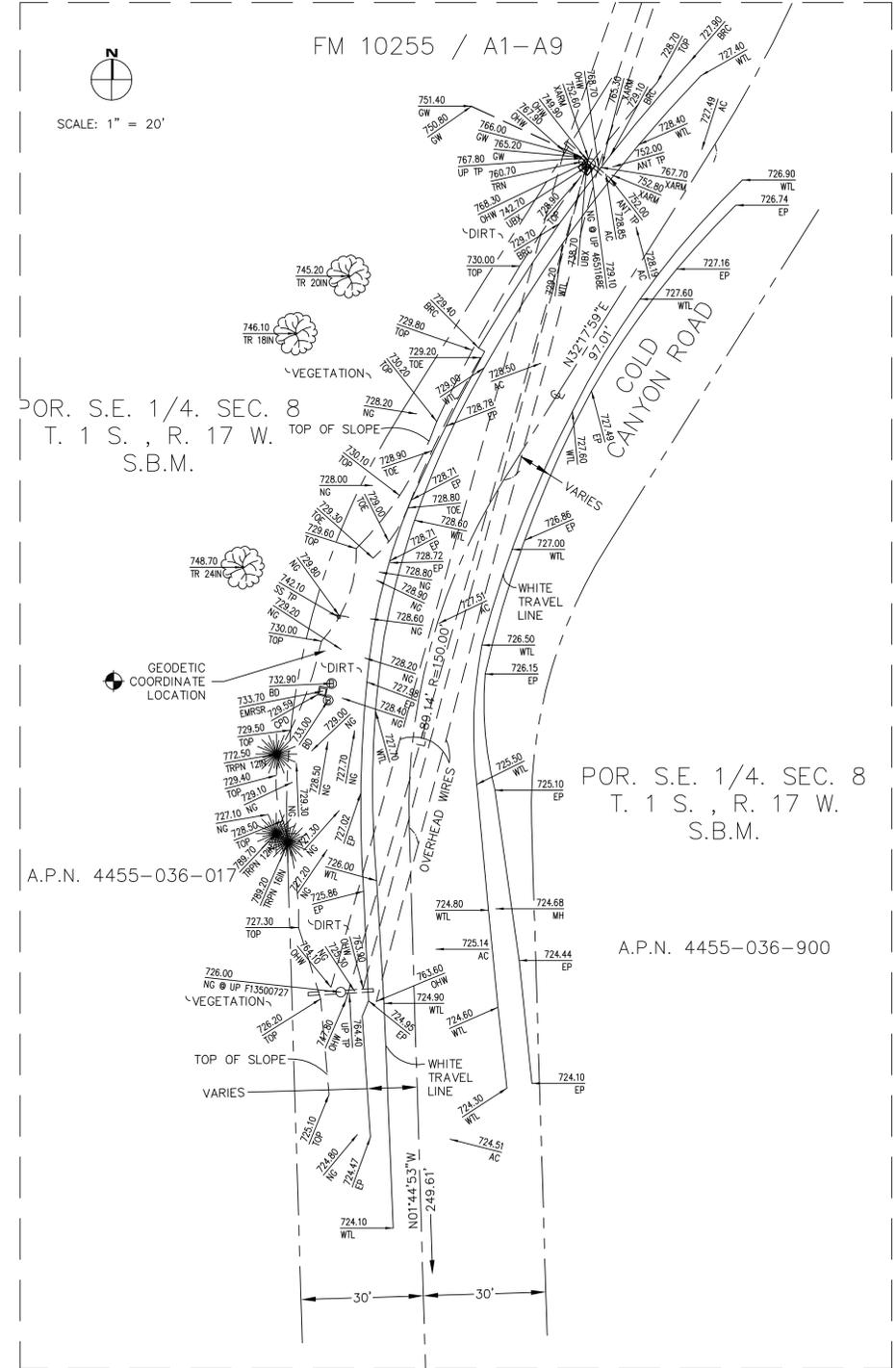
FM 10255 / A1-A9



SEE INSERT HEREON  
FOR DETAIL

LINE	LENGTH	BEARING
L1	146.56'	N78°37'05"E
L2	16.57'	N78°37'05"E
L3	591.87'	N40°19'45"E
L4	138.83'	N75°11'25"E
L5	27.70'	N00°08'03"W
L6	2703.83'	N00°08'03"W
L7	1309.26'	N89°48'49"W
L8	249.61'	N01°44'53"W

CURVE	LENGTH	RADIUS
C1	456.33'	750.00'
C2	49.64'	100.00'
C3	28.98'	180.00'
C4	166.37'	150.00'
C5	154.75'	150.00'



OR. S.E. 1/4. SEC. 8  
T. 1 S., R. 17 W.  
S.B.M.

POR. S.E. 1/4. SEC. 8  
T. 1 S., R. 17 W.  
S.B.M.

A.P.N. 4455-036-017

A.P.N. 4455-036-900

COORDINATES:  
LATITUDE 34°05'28.32" N  
LONGITUDE 118°40'49.34" W

NAD 1983 GEODETIC COORDINATES AND ELEVATIONS WERE ESTABLISHED USING SURVEY GRADE "ASHTech" G.P.S. RECEIVERS AND ASHTech SURVEY GRADE PRECISION SOFTWARE FOR POST-PROCESSING.

BASIS OF BEARINGS:

THE CENTERLINE OF MULHOLLAND HIGHWAY BEING NORTH 78°37'05" EAST PER RECORD OF SURVEY, R.S.B. 138/78, RECORDS OF LOS ANGELES COUNTY.

ASSESSOR'S IDENTIFICATION:

N/A

AREA:

N/A

BENCH MARK REFERENCE:

U.S.G.S. BENCH MARK "BM 724"

UNITED STATES GEOLOGICAL SURVEY BENCH MARK "BM 724" AS SHOWN ON THE "MALIBU BEACH" 7.5 MINUTE QUADRANGLE MAP.

ELEVATION: 726.5 FEET A.M.S.L. (NAVD88) (DATUM VERIFIED IN FIELD TO BE WITHIN 1-A ACCURACY STANDARDS)

TITLE REPORT IDENTIFICATION:

N/A

EASEMENT NOTES:

N/A

LEGAL DESCRIPTION:

N/A

DATE OF SURVEY:

JUNE 16, 2011

SURVEYORS NOTE:

THE RIGHT OF WAY LINES AND THEIR DIMENSIONS SHOWN HEREON ARE PER READILY AVAILABLE RECORDED INFORMATION AND THEIR LOCATIONS ARE APPROXIMATE, PENDING RECEIPT OF TITLE REPORT(S) FOR THE ADJACENT REAL PROPERTY.

LIVING PLANTS STATEMENT:

THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY VALID FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.

LEGEND:

- AC ASPHALT CONCRETE
- ANT ANTENNA
- BD BOLLARD
- BRC BRACE
- BTM BOTTOM
- CPD CONCRETE PAD
- D DIAMETER
- EP EDGE OF PAVEMENT
- EMRSR ELECTRICAL METER RISER
- FD FOUND
- GW GUY WIRE
- H HEIGHT
- IN INCHES
- IP IRON PIPE
- MH MANHOLE
- N/T NAIL AND TAG
- NG NATURAL GROUND
- OHW OVERHEAD WIRE
- SPK SPIKE
- SS STREET SIGN
- TOE TOE OF SLOPE
- TOP TOP OF SLOPE
- TP TOP
- TR TREE
- TRN TRANSFORMER
- TRPN PINE TREE
- UBX UTILITY BOX
- UP UTILITY POLE
- WTL WHITE TRAVEL LINE
- XARM CROSS ARM
- ANTENNA
- BOLLARD
- CENTERLINE
- MANHOLE
- STREET SIGN
- UTILITY BOX
- UTILITY POLE



NO.	DATE	DESCRIPTION
1	06/21/11	ISSUED FOR REVIEW

PREPARED BY:  
**BERT HAZE**  
AND ASSOCIATES, INC.  
LAND SURVEYING & MAPPING  
3188 AIRWAY AVENUE, SUITE K1  
COSTA MESA, CALIFORNIA 92626  
714-557-1567 OFFICE  
714-557-1568 FAX

PREPARED FOR:  
**at&t**  
12900 PARK PLAZA DRIVE  
CERRITOS, CA 90703  
TEL: 562-468-5702 FAX: 562-468-5666

TOPOGRAPHIC SURVEY  
NLO082  
1407U COLD CANYON RD. -LITE  
(UNINCORPORATED)  
MONTE NIDO, CA 91302

SCALE:	DATE:
AS SHOWN	06/21/11
DRAWN BY:	CHECKED BY:
MB	CWW

DRAWING: NLO082 JN. 740.239

SHEET **LS-1**



12900 PARK PLAZA DRIVE  
CERRITOS, CA 90703



**BLACK & VEATCH**

12750 CENTER COURT DRIVE  
SUITE #600  
CERRITOS, CA 90703



PRESCOTT COMMUNICATIONS INC.

10640 Sepulveda Blvd. Suite 1, Mission Hills, CA 91345  
Phone No.: (818)898-2352 Fax No.: (818)898-9186

PROJECT NO: 28500173-15

DRAWN BY: JB

CHECKED BY: RB

REV	DATE	DESCRIPTION
4	03-12-12	ADDED SINGLE LINE DIAGRAM
3	02-09-12	UPDATED AZIMUTHS
2	08-05-11	REVISED PER DRM
1	06-22-11	PRELIMINARY

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NL0082-LTE  
1407U COLD CANYON RD.  
(UNINCORPORATED)  
MONTE NIDO, CA 91302

SHEET TITLE

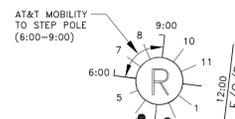
SITE PLAN

SHEET NUMBER

**A-1**

**AT&T MOBILITY TO REMOVE**  
ALL POLE MOUNTED SITE EQUIPMENT AND ANTENNAS AND RELOCATE EQUIPMENT TO NEW CEMH MANHOLE.

EXIST. AT&T MOBILITY GSM SITE POLE #4651168E



4-4" AT&T MOBILITY COMM. ON STANDOFF (2:00 & 4:00)

**AT&T MOBILITY TO PLACE**  
A NEW 35'-0" (30'-0" AGL) CLASS (1) POLE #50205LAC. (AT&T MOBILITY GSM, UMTS & LTE SITE POLE)

**AT&T MOBILITY TO REPLACE**  
EXIST. (100 AMP) METER PEDESTAL WITH (1)-20"x48"x17" (200 AMP) MYERS ELECTRICAL METER PEDESTAL ON EXIST. CONC. PAD.  
**METER ADDRESS:**  
1407U COLD CANYON RD.

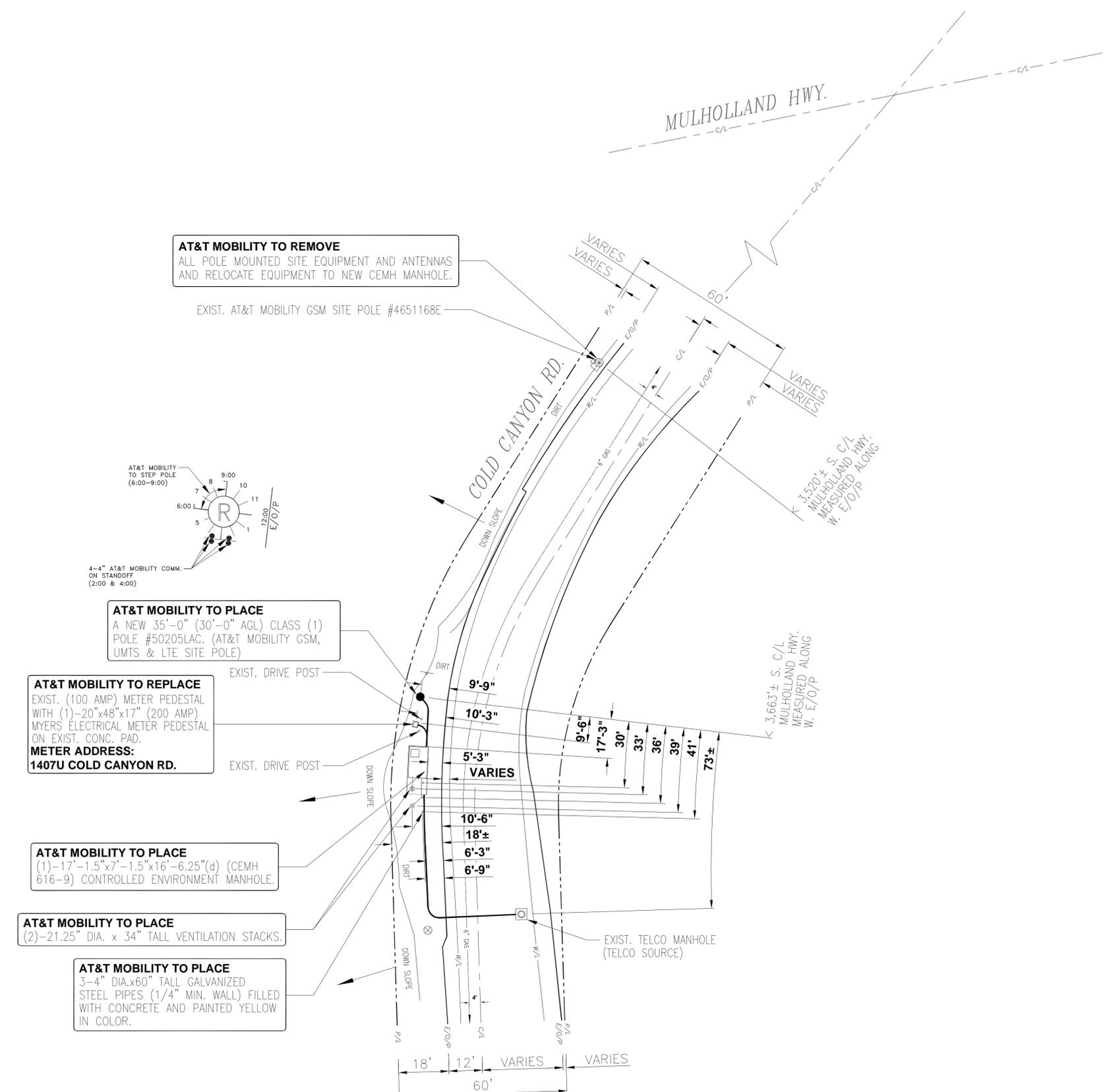
**AT&T MOBILITY TO PLACE**  
(1)-17'-1.5"x7'-1.5"x16'-6.25"(d) (CEMH 616-9) CONTROLLED ENVIRONMENT MANHOLE.

**AT&T MOBILITY TO PLACE**  
(2)-21.25" DIA. x 34" TALL VENTILATION STACKS.

**AT&T MOBILITY TO PLACE**  
3-4" DIA.x60" TALL GALVANIZED STEEL PIPES (1/4" MIN. WALL) FILLED WITH CONCRETE AND PAINTED YELLOW IN COLOR.

**UTILITY LINE TYPE LEGEND:**

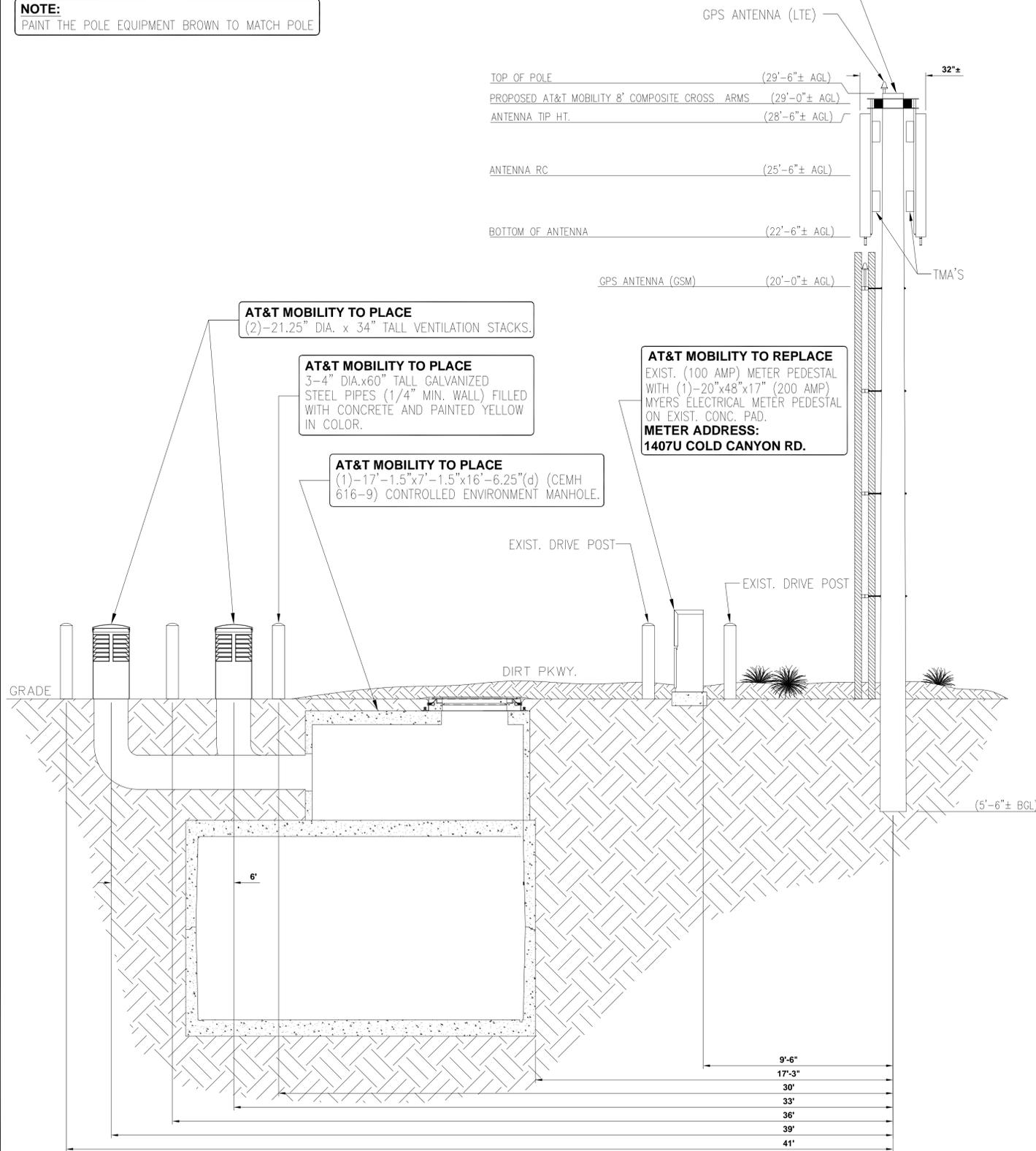
—	PROPOSED CONDUIT
- - -	EXISTING CONDUIT
—	POWER
—	GAS
—	WATER
—	PHONE
—	STREET LIGHT
—	OIL
—	SEWER
—	CABLE TV
—	STORM DRAIN



**NOTE:**  
A WEATHER & CORROSION RESISTANT SIGN PER C.O. 95 RULE 94.5 (MARKING) REQUIREMENTS SHALL BE AFFIXED TO THE SITE POLE NO LESS THAN THREE (3) FEET BELOW THE ANTENNA(S) (MEASURED FROM THE TOP OF THE SIGN) AND NO LESS THAN NINE (9) FEET ABOVE THE GROUND LINE (MEASURED FROM THE BOTTOM OF THE SIGN).

**NOTE:**  
PAINT THE POLE EQUIPMENT BROWN TO MATCH POLE

**AT&T MOBILITY TO PLACE**  
A NEW 35'-0" (30'-0" AGL) CLASS (1) POLE #50205LAC. (AT&T MOBILITY GSM, UMS & LTE SITE POLE)



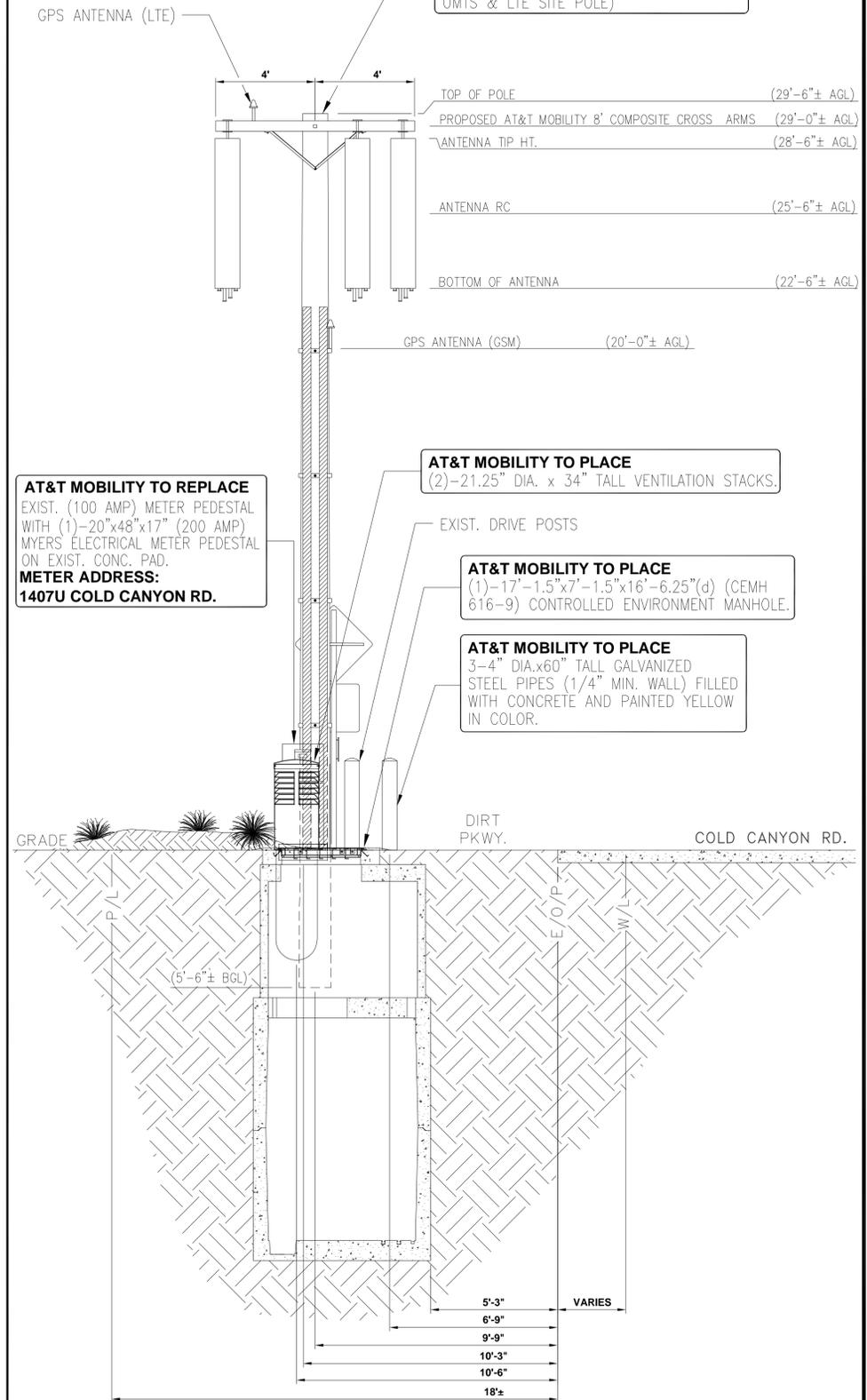
FRONT VIEW  
LOOKING WEST



1

PROPOSED ELEVATION

**AT&T MOBILITY TO PLACE**  
A NEW 35'-0" (30'-0" AGL) CLASS (1) POLE #50205LAC. (AT&T MOBILITY GSM, UMS & LTE SITE POLE)



SIDE VIEW  
LOOKING NORTH



2

PROPOSED ELEVATION



12900 PARK PLAZA DRIVE  
CERRITOS, CA 90703



12750 CENTER COURT DRIVE  
SUITE #600  
CERRITOS, CA 90703



PRESCOTT COMMUNICATIONS INC.  
10640 Sepulveda Blvd. Suite 1, Mission Hills, CA 91345  
Phone No.: (818)898-2352 Fax No.: (818)898-9186

PROJECT NO:	28500173-15
DRAWN BY:	JB
CHECKED BY:	RB

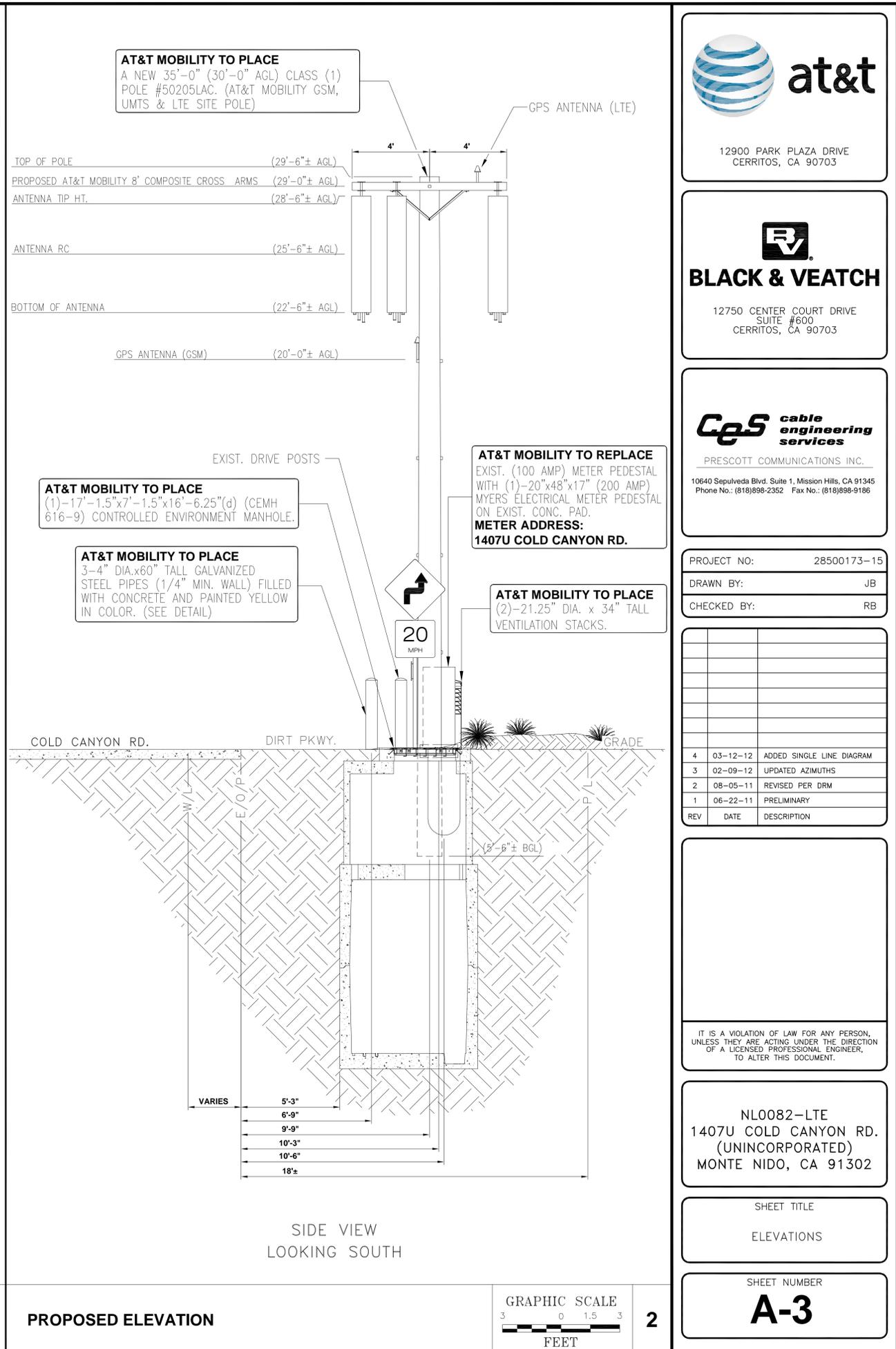
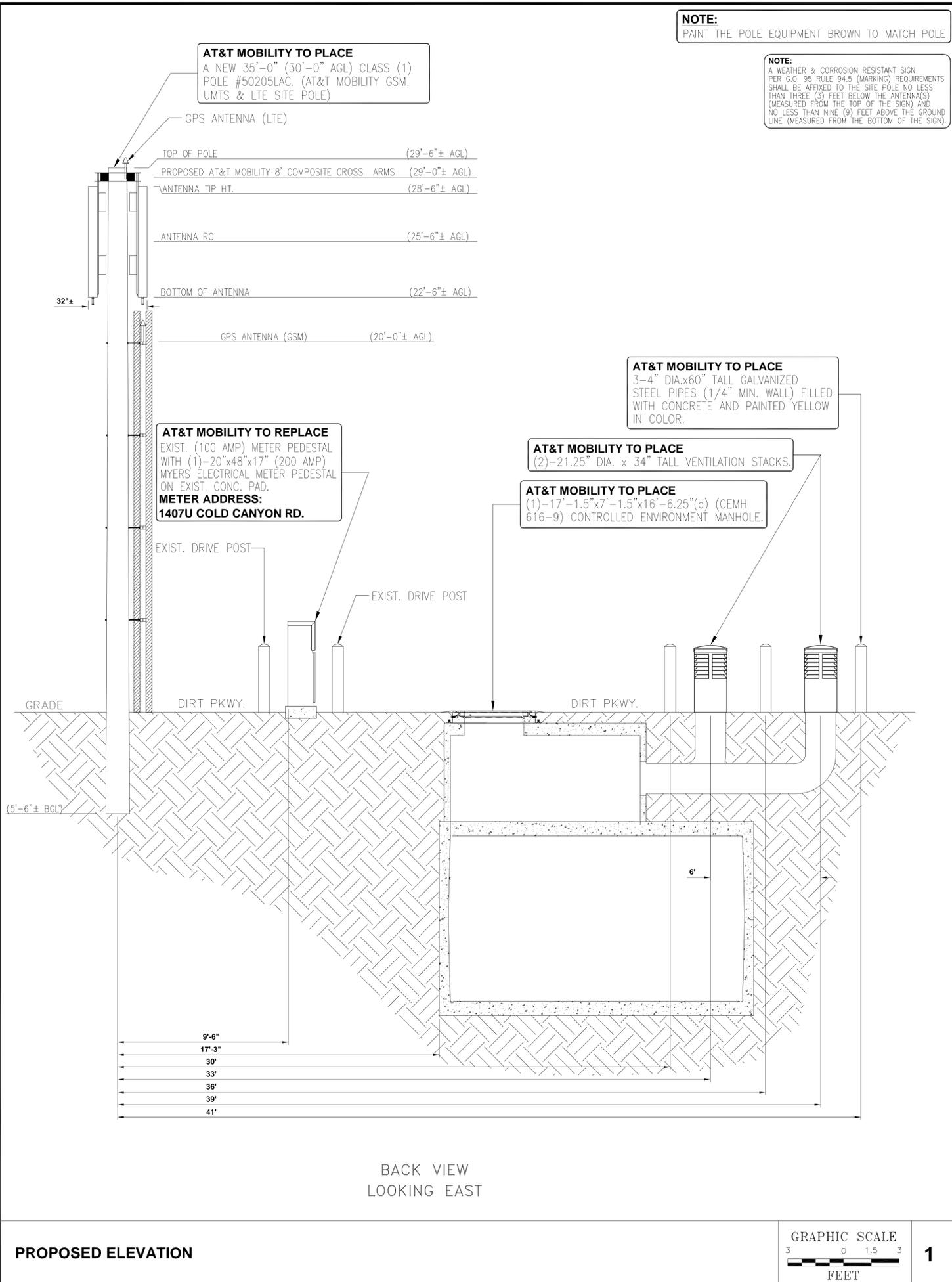
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NL0082-LTE  
1407U COLD CANYON RD.  
(UNINCORPORATED)  
MONTE NIDO, CA 91302

SHEET TITLE  
ELEVATIONS

SHEET NUMBER  
**A-2**



12900 PARK PLAZA DRIVE  
CERRITOS, CA 90703

12750 CENTER COURT DRIVE  
SUITE #600  
CERRITOS, CA 90703

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Phone No.: (818)898-2352 Fax No.: (818)898-9186

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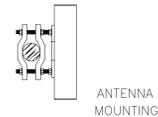
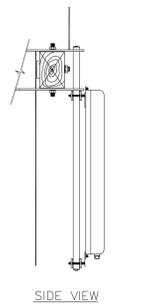
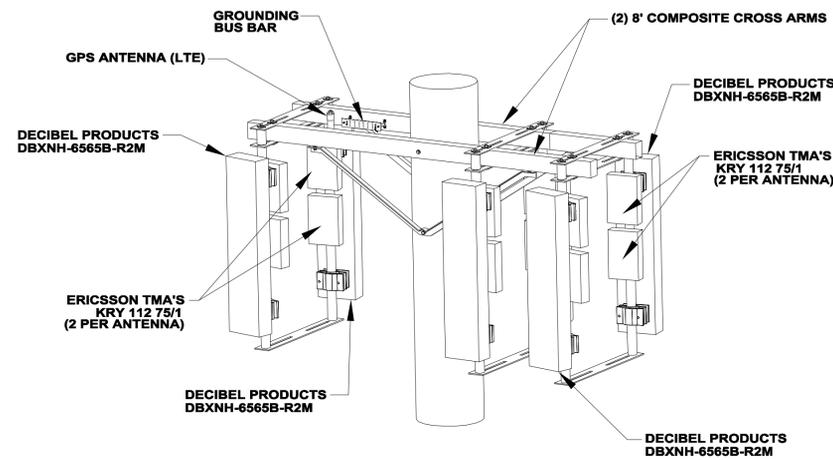
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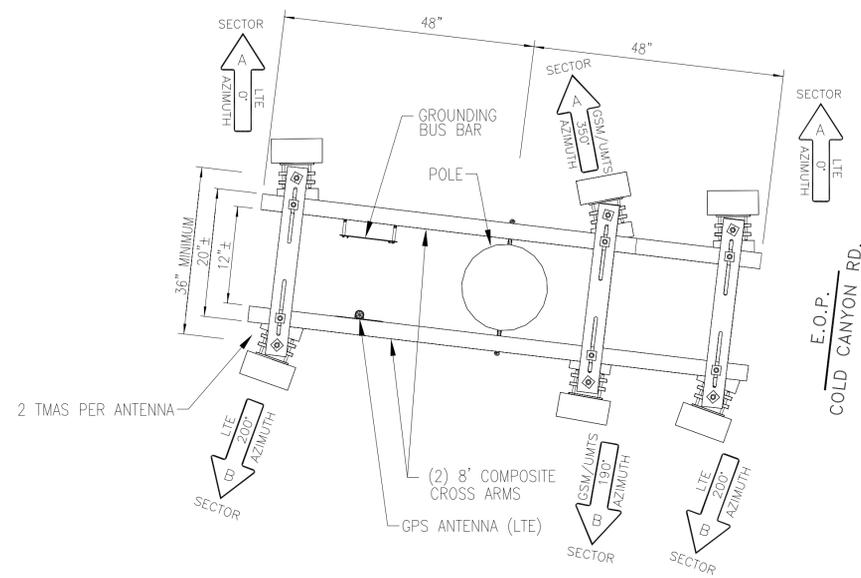
SHEET TITLE  
ELEVATIONS

SHEET NUMBER  
**A-3**

**NOTE:**  
PAINT THE POLE EQUIPMENT BROWN TO MATCH POLE



TYPICAL DIRECTIONAL DEPLOYMENT  
(6 ANTENNAS & 12 TMAS)  
ON WOODEN POLE  
(2) 8' COMPOSITE CROSS ARMS



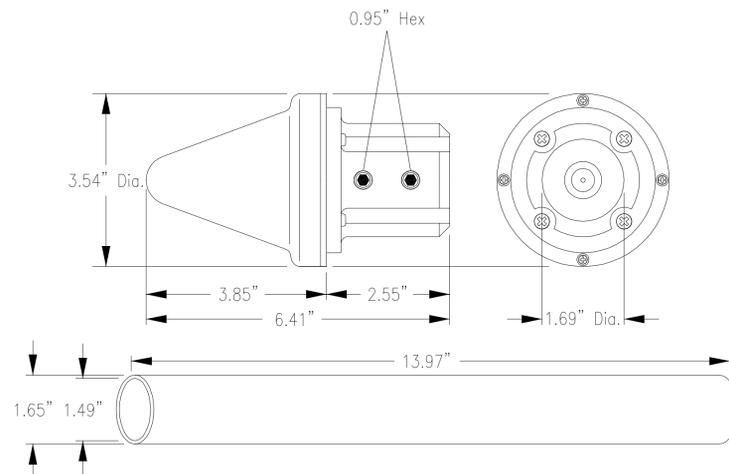
**ANTENNA CONFIGURATION**

SCALE:  
N.T.S. **1**

**VECTOR DETAIL**

SCALE:  
N.T.S. **2**

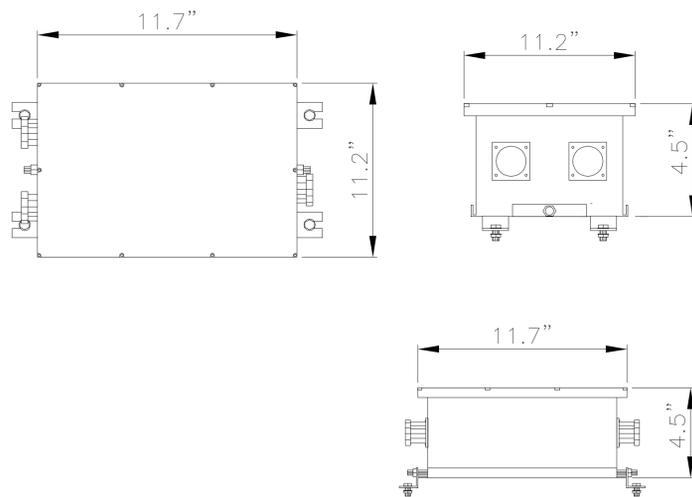
SYMMETRICOM-58532A



**GPS ANTENNA (LTE)**

SCALE:  
N.T.S. **3**

ERICSSON  
MODEL - KRY 112 75/1

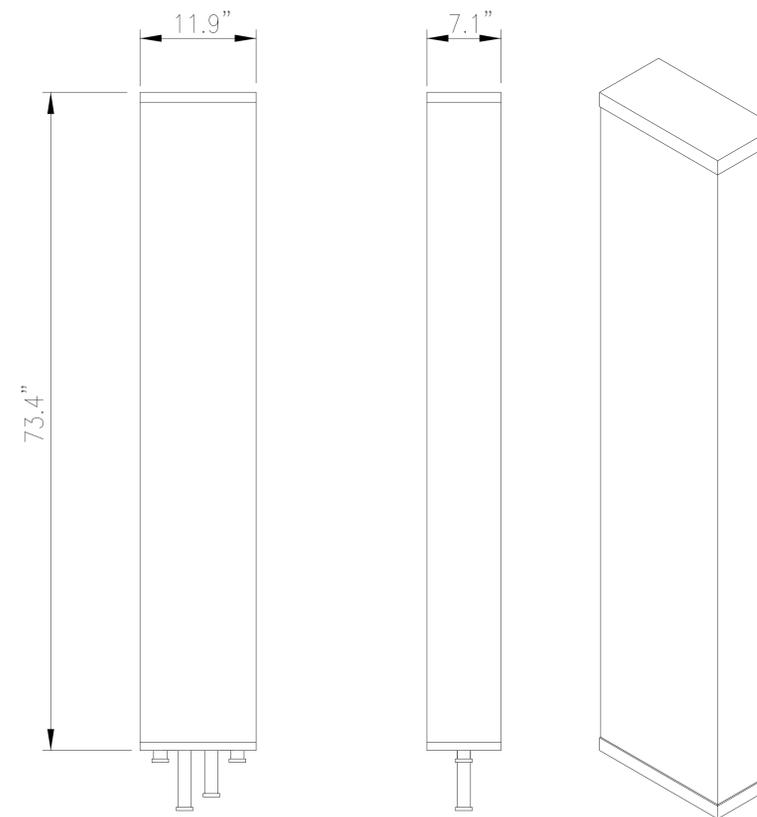


**TMA DETAIL**

SCALE:  
N.T.S. **4**

**ANTENNA DETAIL**

DECIBEL PRODUCTS  
MODEL-DBXNH-6565B-R2M



SCALE:  
N.T.S. **5**



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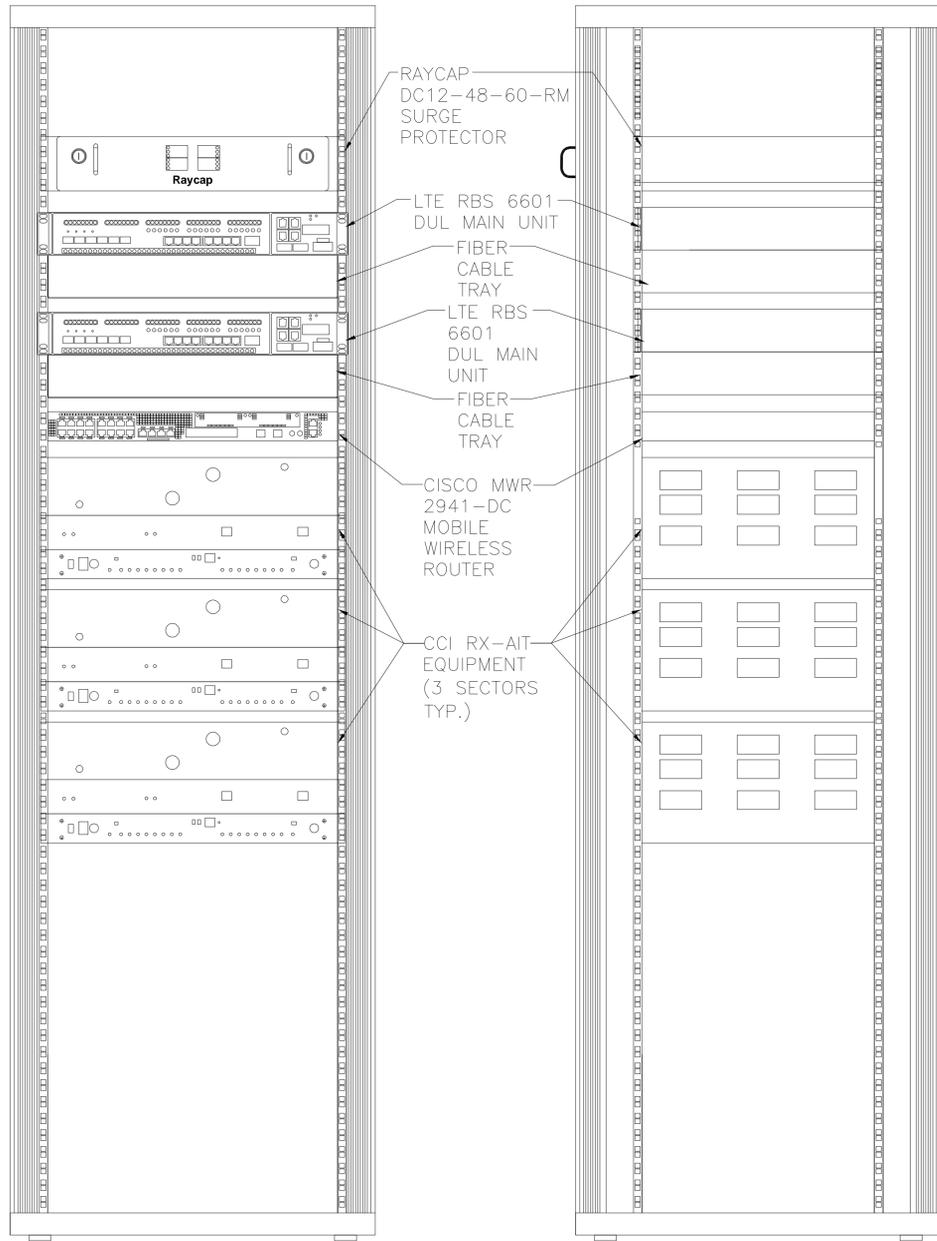
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SHEET TITLE  
LTE EQUIPMENT DETAILS

SHEET NUMBER  
**D-1**



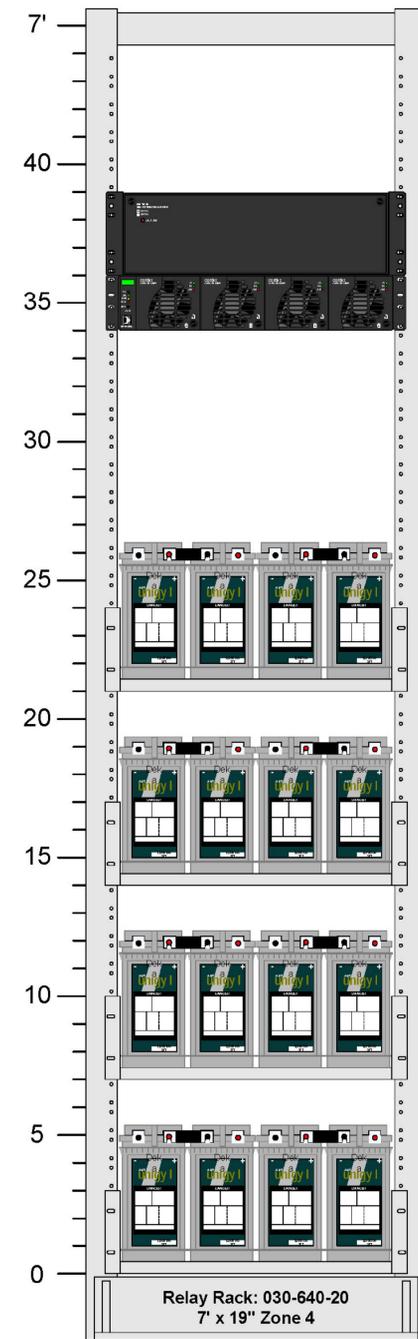
23.62"L x 23.61"W x 79.4" TALL  
FRONT VIEW

23.62"L x 23.61"W x 79.4" TALL  
SIDE VIEW

**NOTE:**  
DETAIL AS SHOWN IS FOR LTE DEPLOYMENT.  
TOTAL OF 2-6601, 1-SURGE PROTECTOR,  
1-CISCO MWR ROUTER & 3-SECTOR  
RX-AIT SHELVES.

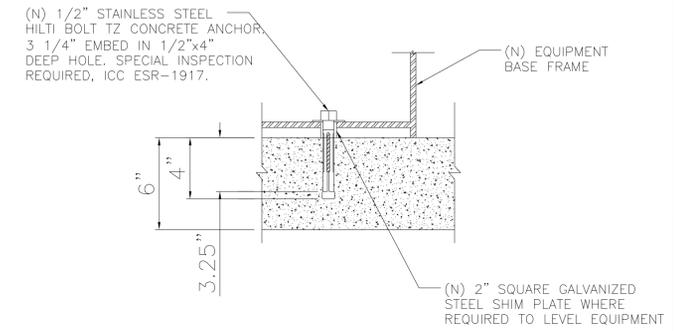
**LTE RACK DETAILS**

SCALE: N.T.S. **1**



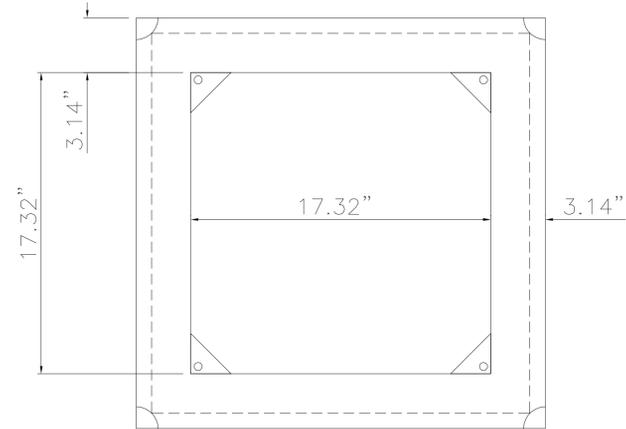
**BATTERY BACKUP RACK**

SCALE: N.T.S. **2**



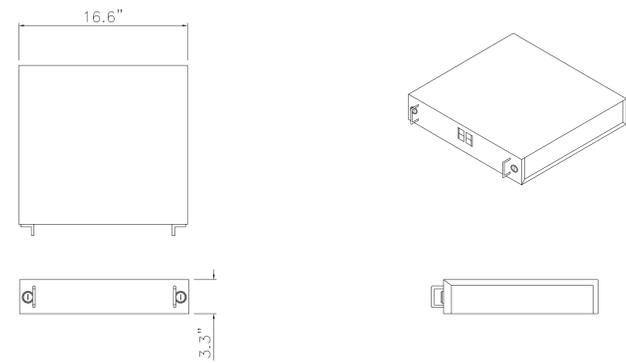
**CONCRETE ANCHOR DETAIL**

SCALE: N.T.S. **3**



**LTE CCI RACK ANCHORAGE**

SCALE: N.T.S. **4**



**DC SURGE SUPPRESSOR DETAIL**

SCALE: N.T.S. **5**



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CERRITOS, CA 90703



**BLACK & VEATCH**

12750 CENTER COURT DRIVE  
SUITE #600  
CERRITOS, CA 90703



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Phone No.: (818)898-2352 Fax No.: (818)898-9186

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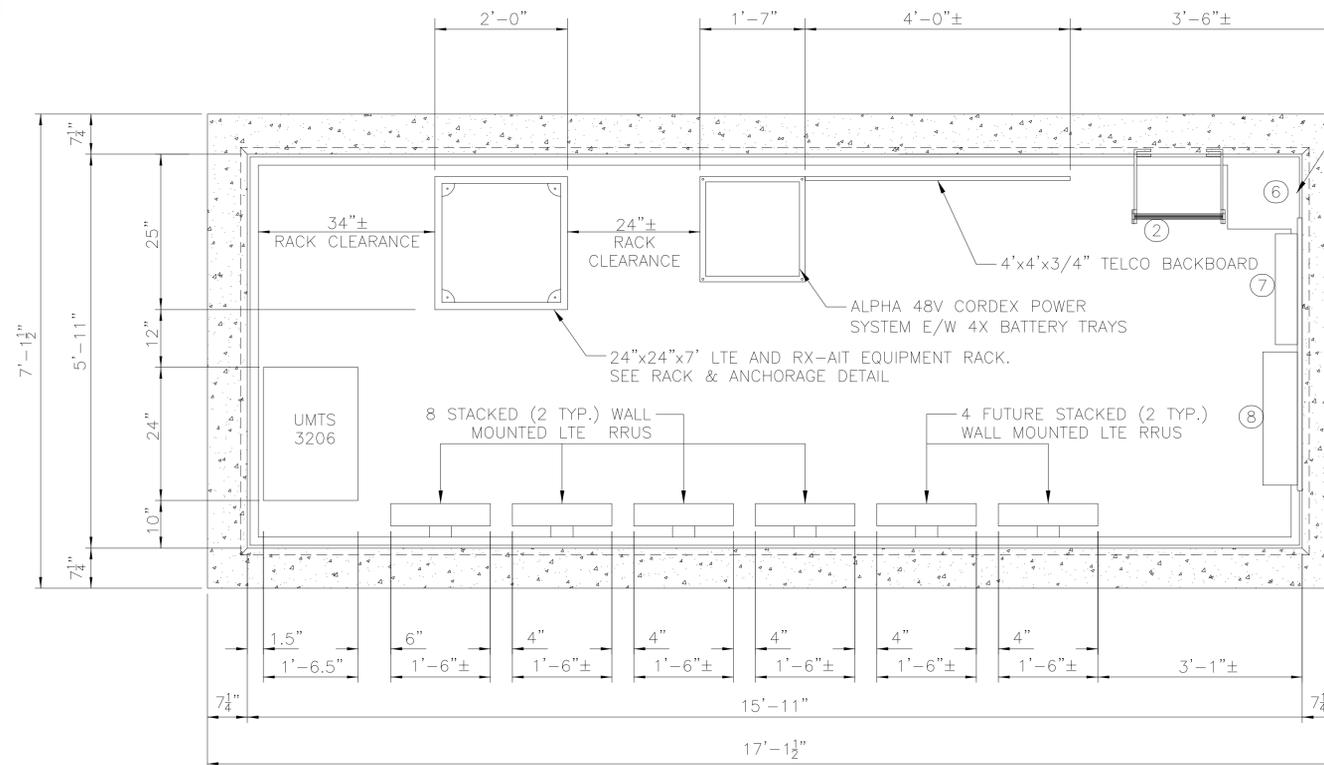
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NL0082-LTE  
1407U COLD CANYON RD.  
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MONTE NIDO, CA 91302

SHEET TITLE  
LTE RACK DETAILS

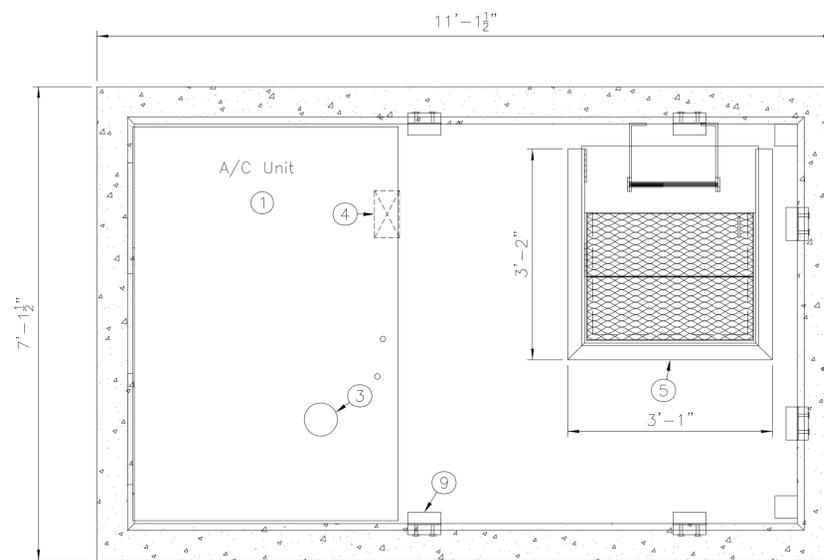
SHEET NUMBER  
**D-2**

BILL OF MATERIALS - PARTS LIST			
ITEM	QTY	NAME	NOTE
1	1	A/C Unit	Dual 3-Ton
2	1	Base Ladder 46"	Aluminum Stand-off Ladder (CEMH-46)
3	1	6" Dia. Blockout	Condenser Lines (6" Dia. Blockout)
4	1	Air Damper	8.5" x 4.5" Blockout
5	1	Doghouse Grate	See Detail Sheet D3 "CEMH DOGHOUSE GRATE"
6	1	Sump Pit and Drain Trough	See Detail Sheet D1 "SUMP PIT DETAIL"
7	1	Electrical Panel	42 Space, 120/240V, Single Phase, 3 Wire
8	1	Control Panel Assembly	2450-76 w/ Drip Shield
9	6	4" x 6" x 1/4" Weld Plate	Cast in Vault Top and Doghouse (See Detail Sheet D1 "DOGHOUSE CONNECTION DETAIL")



Sump Pit Sealed with Two Part Epoxy  
Part A: B58-600  
Part B: B58V600

**CEMH FLOOR LAYOUT**



**DOGHOUSE FLOOR LAYOUT**

**NOTE TO CONTRACTOR:**  
PROPOSED RRU LAYOUT AS SHOWN IS FOR MAXIMUM LTE DEPLOYMENT, TOTAL OF 12 RRUS. (8 NOW & 4 FUTURE)

Note: (Typical)  
1. No Other structural component or support shall be cast in the vault without the approval of the City Engineer.



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SHEET TITLE

CEMH FLOOR LAYOUTS

SHEET NUMBER

**D-3**

**ELECTRICAL NOTE**

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, 2010 CEC AND ALL APPLICABLE LOCAL CODES.
- CONDUIT ROUTINGS ARE SCHEMATIC. SUBCONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC AND TELCORDIA.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC AND TELCORDIA.
- CABLES SHALL NOT BE ROUTED THROUGH LADDER-STYLE CABLE TRAY RUNGS.
- EACH END OF EVERY POWER, POWER PHASE CONDUCTOR (I.E., HOTS), GROUNDING, AND T1 CONDUCTOR AND CABLE SHALL BE LABELED WITH COLOR-CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2 INCH PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC & OSHA.
- ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS. ALL EQUIPMENT SHALL BE LABELED WITH THEIR VOLTAGE RATING, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING, AND BRANCH CIRCUIT ID NUMBERS (I.E., PANELBOARD AND CIRCUIT ID'S).
- PANELBOARDS (ID NUMBERS) AND INTERNAL CIRCUIT BREAKERS (CIRCUIT ID NUMBERS) SHALL BE CLEARLY LABELED WITH ENGRAVED LAMACOID PLASTIC LABELS.
- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- POWER, CONTROL, AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE CONDUCTOR (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE CONDUCTOR (#6 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2 GREEN INSULATION, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; LISTED OR LABELED FOR THE LOCATION AND RACEWAY SYSTEM USED, UNLESS OTHERWISE SPECIFIED.
- POWER AND CONTROL WIRING, NOT IN TUBING OR CONDUIT, SHALL BE MULTI-CONDUCTOR, TYPE TC CABLE (#14 AWG OR LARGER), 600 V, OIL RESISTANT THHN OR THWN-2, CLASS B STRANDED COPPER CABLE RATED FOR 90 °C (WET AND DRY) OPERATION; WITH OUTER JACKET; LISTED OR LABELED FOR THE LOCATION USED, UNLESS OTHERWISE SPECIFIED.
- ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP-STYLE, COMPRESSION WIRE LUGS AND WIRENUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRENUTS SHALL BE RATED FOR OPERATION AT NO LESS THAN 75°C (90°C IF AVAILABLE).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
- ELECTRICAL METALLIC TUBING (EMT) OR RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40, OR RIGID PVC SCHEDULE 80 FOR LOCATIONS SUBJECT TO PHYSICAL DAMAGE) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT), ELECTRICAL NONMETALLIC TUBING (ENT), OR RIGID NONMETALLIC CONDUIT (RIGID PVC, SCHEDULE 40) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- GALVANIZED STEEL INTERMEDIATE METALLIC CONDUIT (IMC) SHALL BE USED FOR OUTDOOR LOCATIONS ABOVE GRADE.
- RIGID NONMETALLIC CONDUIT (I.E., RIGID PVC SCHEDULE 40 OR RIGID PVC SCHEDULE 80) SHALL BE USED UNDERGROUND; DIRECT BURIED, IN AREAS OF OCCASIONAL LIGHT VEHICLE TRAFFIC OR ENCASED IN REINFORCED CONCRETE IN AREAS OF HEAVY VEHICLE TRAFFIC.
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID-TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION-TYPE AND APPROVED FOR THE LOCATION USED. SETSCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES, AND WIREWAYS SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE, AND NEC.
- WIREWAYS SHALL BE EPOXY-COATED (GRAY) AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARD; SHALL BE PANDUIT TYPE E (OR EQUAL); AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES, AND PULL BOXES SHALL BE GALVANIZED OR EPOXY-COATED SHEET STEEL, SHALL MEET OR EXCEED UL 50, AND RATED NEMA 1 (OR BETTER) INDOORS, OR NEMA 3R (OR BETTER) OUTDOORS.
- METAL RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY-COATED, OR NON-CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- NONMETALLIC RECEPTACLE, SWITCH, AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2; AND RATED NEMA 1 (OR BETTER) INDOORS, OR WEATHER PROTECTED (WP OR BETTER) OUTDOORS.
- THE SUBCONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CONTRACTOR BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
- THE SUBCONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD AGAINST LIFE AND PROPERTY.

**GROUNDING NOTE**

- THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTNING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
- ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
- THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
- METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BITS EQUIPMENT.
- EACH BITS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BITS; 2 AWG STRANDED COPPER FOR OUTDOOR BITS.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- 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 GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

**NOTES**

**AT&T MOBILITY TO REMOVE**  
ALL POLE MOUNTED SITE EQUIPMENT AND ANTENNAS AND RELOCATE EQUIPMENT TO NEW CEMH MANHOLE.

EXIST. AT&T MOBILITY GSM & UMS SITE POLE #4651168E

**AT&T MOBILITY TO PLACE**  
A NEW 35'-0" (30'-0" AGL) CLASS TBD POLE #-----LAC. (AT&T MOBILITY GSM, UMS & LTE SITE POLE)

EXIST. DRIVE POST  
EXIST. AT&T MOBILITY 18"x17"x48" METER PEDESTAL

EXIST. DRIVE POST

**AT&T MOBILITY TO PLACE**  
(1)-17'-1.5"x7'-1.5"x16'-6.25"(d) (CEMH 616-9) CONTROLLED ENVIRONMENT MANHOLE.

**AT&T MOBILITY TO PLACE**  
(2)-21.25" DIA. x 34" TALL VENTILATION STACKS.

PROPOSED DRIVE POSTS (TYP.)

MULHOLLAND HWY.  
-C/L-

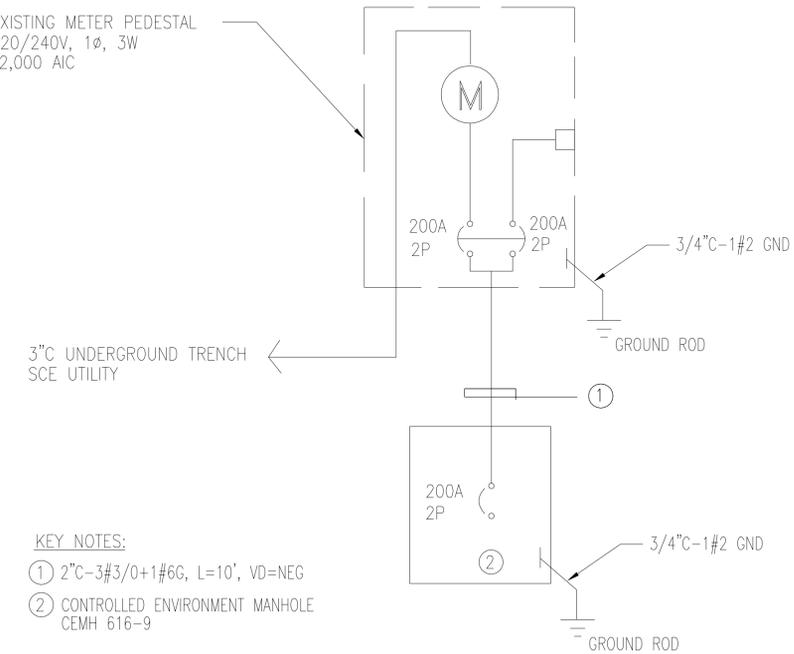
COLD CANYON RD.

EXIST. TELCO MANHOLE (TELCO SOURCE)



**3 SITE PLAN**  
SCALE: N.T.S.

EXISTING METER PEDESTAL  
120/240V, 1Ø, 3W  
42,000 AIC



- KEY NOTES:**
- ① 2" C-3#3/0+1#6G, L=10', VD=NEG
  - ② CONTROLLED ENVIRONMENT MANHOLE CEMH 616-9

**2 SINGLE LINE DIAGRAM**  
SCALE: N.T.S.

200A BUS 120/240 VOLTS		1 PHASE 3 WIRE		MAIN 200A C.B.		TYPE NEMA 3R	
VOLT AMPS	REMARK	PHASE A	PHASE B	PHASE A	PHASE B	PHASE A	PHASE B
1		2					
3		4					
5		6					
7		8					
9		10					
11		12					
PHASE A = -		VA/LINE		PHASE B = -			
CONTINUOUS LOADS		NON-CONTINUOUS LOADS		TOTAL ADJUST WATT = 19200		TOTAL ADJUST AMPS = 80	
- W x1.25= - W		- W					

- UTILITY POINTS OF SERVICE AND WORK / MATERIALS SHOWN ARE BASED UPON PRELIMINARY INFORMATION PROVIDED BY THE UTILITY COMPANIES AND ARE FOR BID PURPOSES ONLY.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR FINAL AND EXACT WORK / MATERIALS REQUIREMENTS AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLANS AND SPECIFICATIONS ONLY. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULL ROPES, CABLES, PULL BOXES, CONCRETE ENCASEMENT OF CONDUIT (IF REQUIRED), TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING, BACKFILL, PAY ALL UTILITY COMPANY FEES AND INCLUDE ALL REQUIREMENTS IN SCOPE OF WORK.

**1 PANEL SCHEDULE**  
SCALE: N.T.S.



12900 PARK PLAZA DRIVE  
CERRITOS, CA 90703



**BLACK & VEATCH**

12750 CENTER COURT DRIVE  
SUITE #330  
CERRITOS, CA 90703



PRESCOTT COMMUNICATIONS INC.

10640 Sepulveda Blvd. Suite 1, Mission Hills, CA 91345  
Phone No.: (818)898-2352 Fax No.: (818)898-9186

PROJECT NO: 28500173-15

DRAWN BY: JB

CHECKED BY: RB

REV	DATE	DESCRIPTION
2	08-05-11	REVISED PER DR M
1	06-22-11	PRELIMINARY

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.

NL0082-LTE  
1407U COLD CANYON RD.  
(UNINCORPORATED)  
MONTE NIDO, CA 91302

SHEET TITLE  
**SITE PLAN & SINGLE LINE DIAGRAM**

SHEET NUMBER  
**E-1**