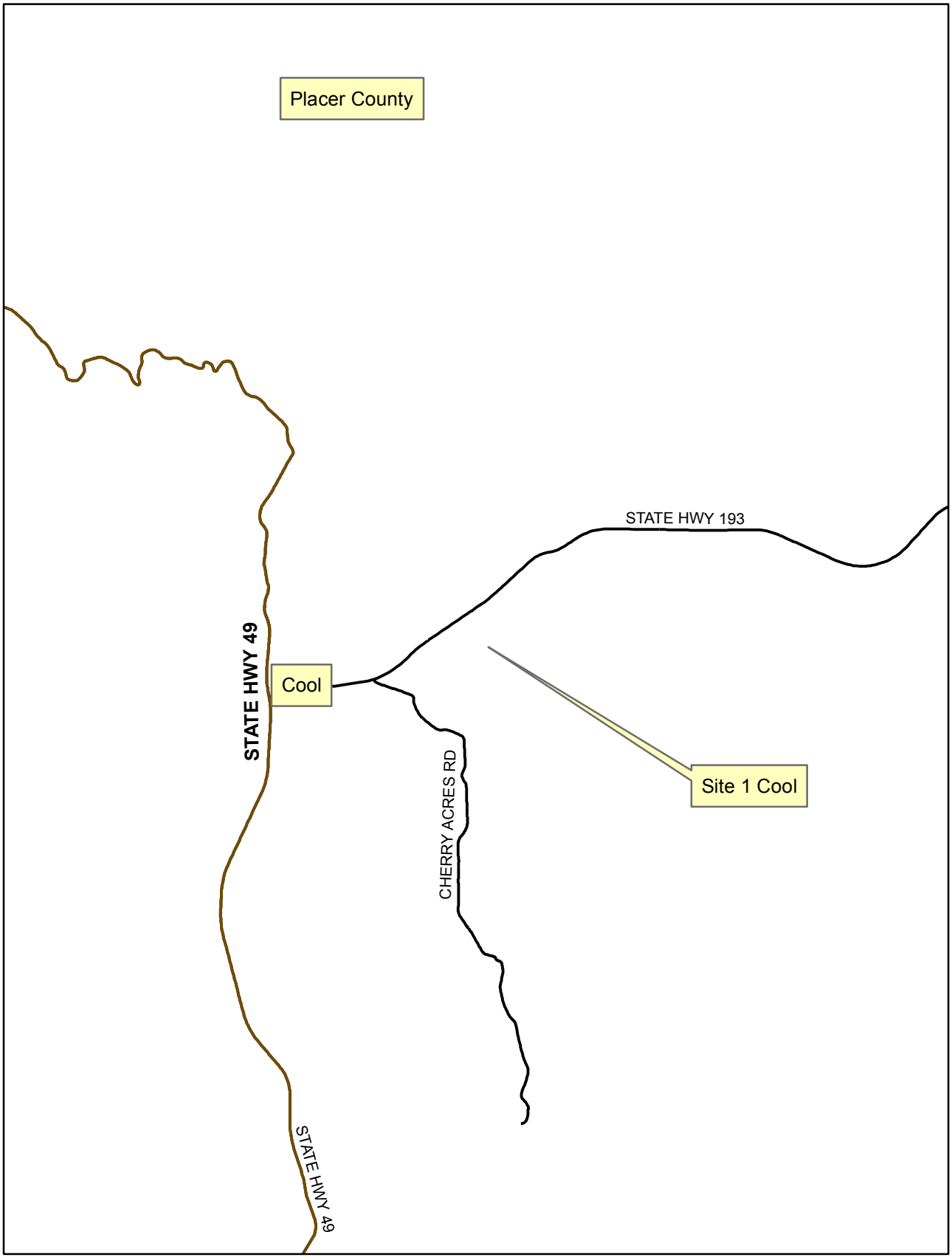



# S17-0016/AT&T CAF4
# Site 1 Cool
# Location Map
# Exhibit A

N

S

0 0.5 1 2 Miles

# POR. SECS. 16 THROUGH 21, T.12N., R.9E., M.D.M.

**71:03**

1 " equals 1,200 '

NA 47 41.02 A

41 97.96 A

NA 2 6.2 A

NA 4 42.72 A

NA 5 47.98 A

NA 6 21.79 A

NA 7 21.79 A

NA 8 202.3 A

9 1.72 A

NA 10 9.0 A

NA 11 9.0 A

NA 12 14.23 A

18 1.01 A NA

40 146.2 A REM P/M 44-80

14 M/R 301.24 A

PM 44/80/3 39 32.92 A

PM 9/98/2 15 25.06 A

16 42.58 A

43 70.0 A

154.0 A 19

POR RS 15/8/1 46 45.03 A

POR RS 9/61 45 282.29 A

RS 15/74/1 33 305.96 A

P. 50

P. 48

CNTR. SEC. 17

CNTR. SEC. 16

CNTR. SEC. 19

CNTR. SEC. 21

Bk 71 Pg 1

Bk 71 Pg 2

Bk 71 Pg 49

Bk 71 Pg 50

Bk 71 Pg 8

Bk 71 Pg 48

Bk 71 Pg 39

Bk 71 Pg 28

Bk 71 Pg 43

Bk 71 Pg 41

Bk 71 Pg 4

Bk 71 Pg 14

Bk 71 Pg 17

Bk 71 Pg 19

Bk 71 Pg 23

Bk 71 Pg 27

Bk 71 44

Bk 71 Pg 37

Bk 71 Pg 5

Bk 72 Pg 9

Bk 72 Pg 20

Bk 72 Pg 16

Bk 72 Pg 12

Bk 72 Pg 8

Bk 72 Pg 14

Bk 72 Pg 13

Bk 72 Pg 22

Bk 72 Pg 3

Bk 72 Pg 41

Bk 72 Pg 29

Bk 72 Pg 31

Bk 72 Pg 2

Bk 72 Pg 27

Bk 72 Pg 33

Bk 72 Pg 37

Bk 72 Pg 38

Bk 72 Pg 45

Bk 72 Pg 7

Bk 72 Pg 36

Bk 72 Pg 18

Bk 72 Pg 35

Bk 72 Pg 6

Bk 72 Pg 17

Bk 72 Pg 5

Bk 71 Pg 40

Bk 71 Pg 7

Bk 74 Pg 11

Bk 71 Pg 34

Bk 74 Pg 29

Bk 74 Pg 4

Bk 74 Pg 28

Bk 71 Pg 35

Bk 71 Pg 31

Bk 71 Pg 5

193

49

2

THIS MAP IS NOT A SURVEY, it is prepared by the El Dorado Co. Assessor's office for assessment purposes only. Area calculations and characteristics are not guaranteed. Users should verify items such as dimensions and acreage.

**Acreages Are Estimates**

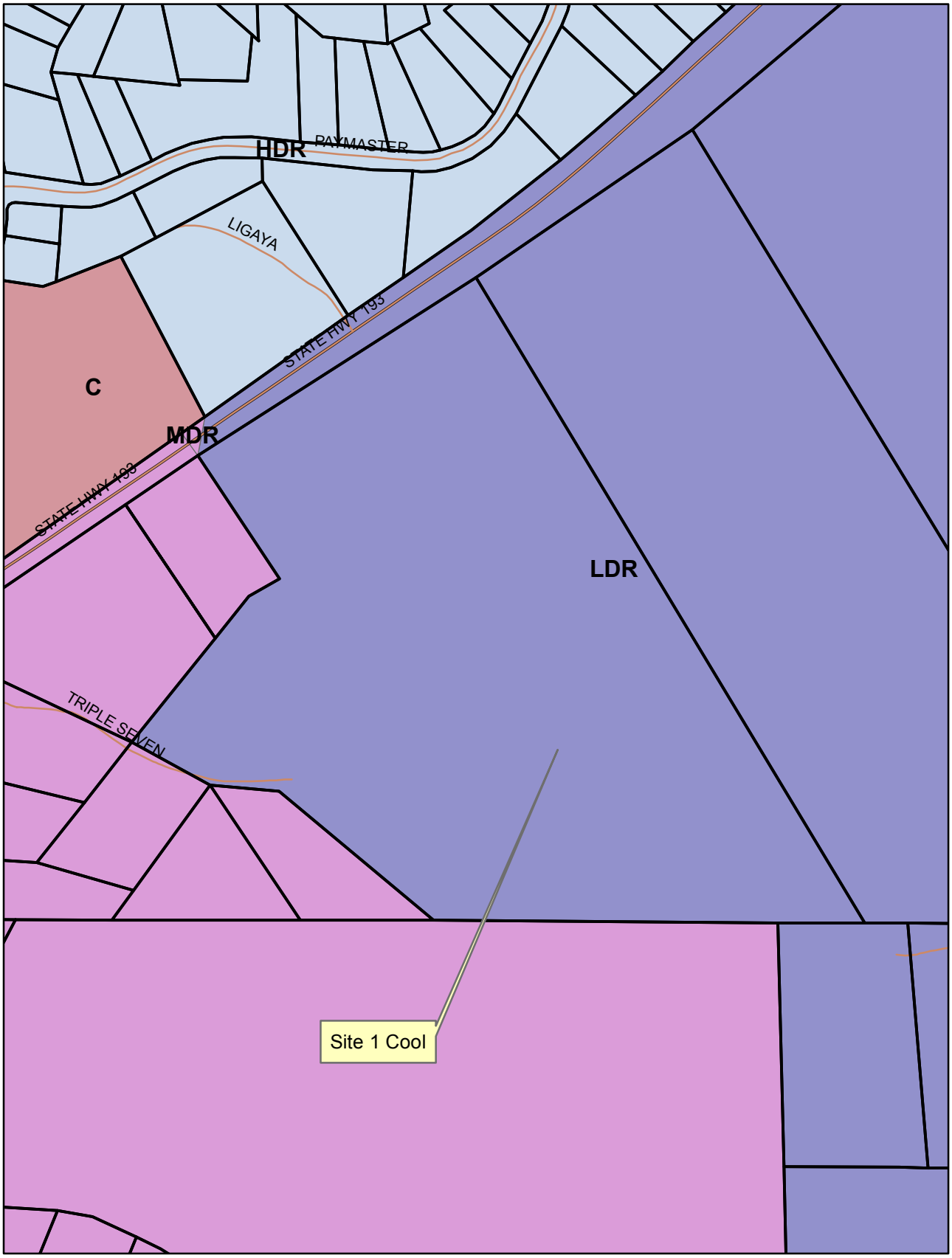
Adjacent Map Pages Shown in Grey Text
Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

Note: All Parcels on this page are Block 2.

Rev. Feb. 27, 2006

*Assessor's Map Bk. 071, Pg. 03*
*County of El Dorado, CA*

**Exhibit B**
**Site 1 Cool (formerly Pilot Hill 2)**

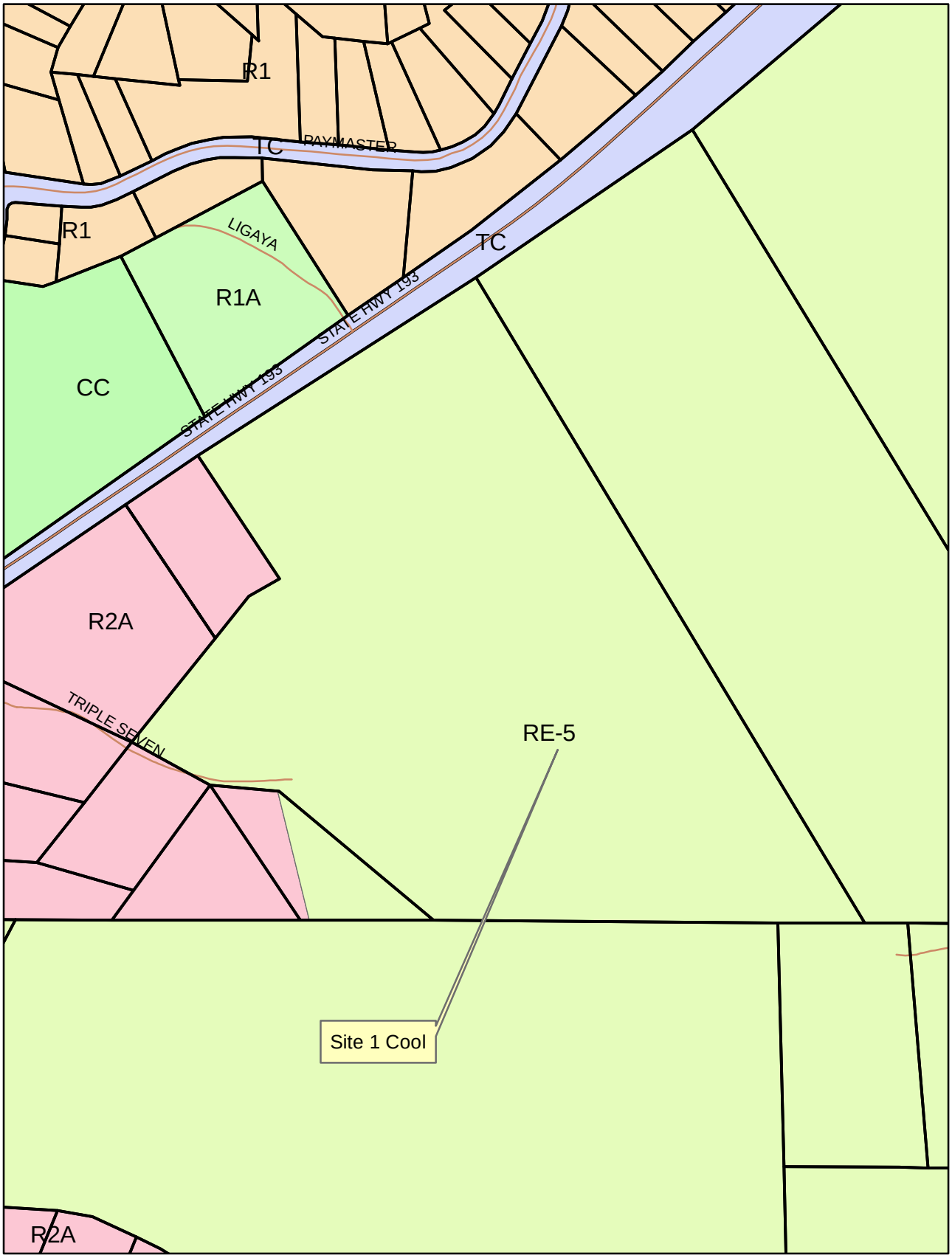



# S17-0016/AT&T CAF4
# Site 1 Cool
# General Plan Map
# Exhibit C

C
HDR
LDR
MDR

N
S

0 0.05 0.1 0.2 Miles




CC
R1
R1A
R2A
RE-5
TC

# S17-0016/AT&T CAF4
# Site 1 Cool
# Zoning Map
# Exhibit D

N
S

0 0.05 0.1 0.2 Miles


# S17-0016/AT&T CAF4
# Site 1 Cool
# Aerial Map
# Exhibit E

N
S

0 0.05 0.1 0.2 Miles

# SITE NUMBER: CVL03175
# SITE NAME: PILOT HILL 2

*3100 TRIPLE SEVEN RD*
*COOL, CA 95614*

## PROJECT INFORMATION

APPLICANT:
AT&T MOBILITY
5001 EXECUTIVE PKWY
SAN RAMON, CA 94583

CONSTRUCTION MANAGER:
PETE MANAS
EPIC WIRELESS
8700 AUBURN FOLSOM ROAD, SUITE 400
GRANITE BAY, CA 95746
(530) 383-5957

SITE SURVEY
GEIL ENGINEERING
1226 HIGH STREET
AUBURN, CA 95603
(530) 885-0426

RF ENGINEER:
ASAD SHAHBAZ
MS455V@ATT.COM

RFDS VERSION/DATE:
1.00.00 / 04-13-17

ENGINEERING FIRM:
PEEK SITE-COM
12852 EARHART AVE SUITE 101
AUBURN, CA 95602
(530) 885-6160

SITE ACQUISITION & PLANNING:
JARED KEARSLEY
EPIC WIRELESS
8700 AUBURN FOLSOM ROAD, SUITE 400
GRANITE BAY, CA 95746
(916) 755-1326

CIVIL VENDOR:
VINCULUMS CONSTRUCTION MANAGER
KEN ABEL
KABEL@VINCULUMS.COM
(916) 844-4602

## PROJECT TEAM

| | |
|---|---|
| SITE NAME: | PILOT HILL 2 |
| SITE NUMBER: | CVL03175 |
| FA LOCATION#: | 13787607 |
| SITE ADDRESS: | 3100 TRIPLE SEVEN RD<br>COOL, CA 95614 |
| ASSESSORS PARCEL NUMBER: | 071-032-15-100 |
| LATITUDE: | 38.88983° |
| LONGITUDE: | -120.9976° |
| SITE ELEVATION: | 1,621' AMSL |
| ZONING: | RE-5 |
| JURISDICTION: | EL DORADO COUNTY |
| COUNTY: | EL DORADO |
| PROPERTY OWNER: | KIRK BRELSFOR |
| OWNER ADDRESS: | 3100 TRIPLE SEVEN RD<br>COOL, CA 95614 |

## SHEET INDEX

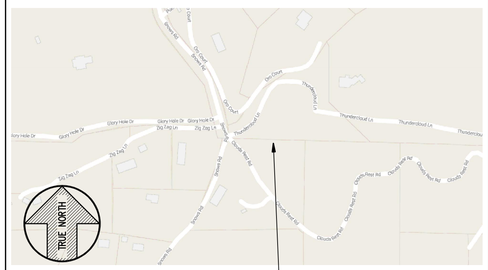


## CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. 2016 CALIFORNIA BUILDING CODE
2. 2016 CALIFORNIA FIRE CODE
3. 2016 CALIFORNIA ELECTRICAL CODE
4. 2016 CALIFORNIA PLUMBING CODE
5. 2016 CALIFORNIA MECHANICAL CODE
6. 2016 CALIFORNIA HEALTH AND SAFETY CODE

## VICINITY MAP




## DIRECTIONS FROM AT&T

DIRECTIONS FROM AT&T'S OFFICE AT 5001 EXECUTIVE PARKWAY, SAN RAMON, CA 94583

1. HEAD NORTHEAST ON BISHOP DR TOWARD SUNSET DR
2. TURN RIGHT ONTO SUNSET DR
3. USE THE RIGHT 2 LANES TO TURN RIGHT ONTO BOLLINGER CANYON RD
4. USE THE RIGHT 2 LANES TO MERGE ONTO I-680 N VIA THE RAMP TO SACRAMENTO
5. MERGE ONTO I-680 N
6. KEEP LEFT TO STAY ON I-680 N
7. KEEP LEFT AT THE FORK TO STAY ON I-680 N
8. KEEP LEFT AT THE FORK TO CONTINUE ON I-680
9. USE ANY LANE TO TAKE EXIT 71A TOWARD I-80 E/SACRAMENTO
10. MERGE ONTO I-80 E
11. KEEP LEFT AT THE FORK TO STAY ON I-80 E
12. KEEP RIGHT AT THE FORK TO STAY ON I-80 E, FOLLOW SIGNS FOR RENO
13. TAKE EXIT 119C FOR ELM AVE
14. TURN LEFT ONTO ELM AVE (SIGNS FOR DOWNTOWN/AUBURN)
15. TURN LEFT ONTO CA-49 S/EL DORADO ST/HIGH ST
16. TURN RIGHT ONTO CA-193 E/CA-49 S/EL DORADO ST
17. CONTINUE TO FOLLOW CA-193 E/CA-49 S
18. TURN LEFT ONTO CA-193 E
19. TURN RIGHT ONTO TRIPLE 7 RD

## PROJECT DESCRIPTION

AT&T PROPOSES TO CONSTRUCT A NEW UNMANNED TELECOMMUNICATIONS FACILITY. AT&T WILL INSTALL:

- (1) NEW 12' WIDE GRAVEL ACCESS ROAD
- (1) NEW 36'X36' LEASE AREA
- (1) NEW 6' CHAIN LINK FENCE
- (1) NEW 12' WIDE DOUBLE ACCESS GATE
- (1) NEW CELL BLOCK FOUNDATION
- (1) NEW 113' MONOPINE (TOP OF BRANCHES @ ±120')
- (1) NEW PRE-FAB "WIC" LIGHT WEIGHT EQUIPMENT SHELTER WITH ANCILLARY INTERIOR EQUIPMENT
- (1) NEW GPS ANTENNA
- (1) NEW 35Kw PROPANE GENERATOR
- (1) LP PROPANE TANK (500 GALLON)
- (12) NEW ANTENNAS
- (6) NEW RRUS-11, (10) NEW RRUS-32 & (3) NEW RRUS-12
- (4) NEW SURGE SUPPRESSORS
- (2) FUTURE 4' M/W DISH

## OCCUPANCY & CONST. TYPE

OCCUPANCY: U (UNMANNED)

CONSTRUCTION TYPE: V-B

ACCESSIBILITY REQUIREMENTS:
THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION, HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE, CHAPTER 11B, EXCEPTION SECTION 11B-203.5

## SPECIAL INSPECTIONS

*SEE SPECIAL INSPECTION FORM

1. POST-INSTALLED ANCHORS
2. HIGH STRENGTH BOLTING

**Exhibit F**
**Site 1 Cool (formerly Pilot Hill 2)**

## APPROVALS

| APPROVED BY: | INITIALS: | DATE: |
|---|---|---|
| AT&T: | | |
| VENDOR: | | |
| R.F.: | | |
| LEASING/LANDLORD: | | |
| ZONING: | | |
| CONSTRUCTION: | | |
| POWER/TELCO: | | |
| PG&E: | | |

## GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE 24"X36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.

CALL 811 BEFORE YOU DIG 811 SAFE DIGGING PARTNER


PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO PEEK SITE-COM IS STRICTLY PROHIBITED


CLIENT:

5001 EXECUTIVE PKWY
SAN RAMON, CA 94583

PROJECT INFORMATION:

PILOT HILL 2
3100 TRIPLE SEVEN RD
COOL, CA 95614

| REV: | DATE: | DESCRIPTION: | BY: |
|---|---|---|---|
| 1 | 6-19-17 | 90% ZONING DOC'S | RB |
| 2 | 8-14-17 | 100% ZONING DOC'S | RB |


COORDINATING ENGINEER:

Peek Site-Com
12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitecom.com


SEAL:

REGISTERED PROFESSIONAL ENGINEER CHRIS OLIVERI NO. C 33407 EXP. 06/30/18 CIVIL STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

TITLE SHEET

| SHEET NUMBER: | REVISION: |
|---|---|
| T-1 | 0 |

# GENERAL CONSTRUCTION NOTES:

1. DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR, AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN.

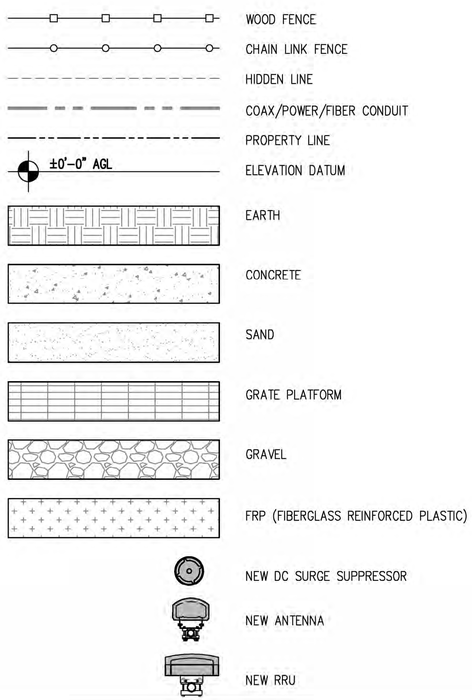
2. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS, FIELD CONDITIONS AND CONFIRM THAT THE PROJECT MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.

3. THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/ CONTRACT DOCUMENTS.
4. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/ VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
6. ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
7. GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
8. THE STRUCTURAL COMPONENTS OF THIS PROJECT SITE/ FACILITY ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.
9. DETAILS INCLUDED HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.
10. SEAL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF APPLICABLE TO THIS FACILITY AND OR PROJECT SITE.
11. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.
13. CONTRACTOR SHALL SEE TO IT THAT GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.
14. THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.

# ABBREVIATIONS

| | |
|---|---|
| ABV. | ABOVE |
| ADD'L | ADDITIONAL |
| A.G.L. | ABOVE GROUND LEVEL |
| ALUM. | ALUMINUM |
| APPROX. | APPROXIMATELY |
| AWG. | AMERICAN WIRE GAUGE |
| BLDG. | BUILDING |
| BLK. | BLOCKING |
| CAB. | CABINET |
| CONC. | CONCRETE |
| CONN. | CONNECTION(OR) |
| CONST. | CONSTRUCTION |
| CONT. | CONTINUOUS |
| DBL. | DOUBLE |
| DEPT. | DEPARTMENT |
| D.F. | DOUGLAS FIR |
| DIA. | DIAMETER |
| DIM. | DIMENSION |
| EA. | EACH |
| EL. | ELEVATION |
| ELEC. | ELECTRICAL |
| EMT. | ELECTRICAL METALLIC TUBING |
| ENG. | ENGINEER |
| EQ. | EQUAL |
| (E) | EXISTING |
| EXT. | EXTERIOR |
| FAB. | FABRICATION |
| F.A. | FINISHED FLOOR |
| F.B. | FINISHED GRADE |
| FT. (') | FOOT (FEET) |
| FTG. | FOOTING |
| GA. | GAUGE |
| GALV. | GALVANIZE(D) |
| G.F.I. | GROUND FAULT CIRCUIT INTERRUPTER |
| GPS | GLOBAL POSITIONING SYSTEM |
| GRND. | GROUND(ING) |
| HT. | HEIGHT |
| ICGB. | ISOLATED COPPER GROUND BUS |
| IN. (") | INCH(ES) |
| INT. | INTERIOR |
| L.B. | LAG BOLTS |
| L.F. | LINEAR FEET (FOOT) |
| MAX. | MAXIMUM |
| M.B. | MACHINE BOLT |
| MECH. | MECHANICAL |
| MFR. | MANUFACTURER |
| MIN. | MINIMUM |
| MISC. | MISCELLANEOUS |
| MTL | METAL |
| (N) | NEW |
| NO. (#) | NUMBER |
| N.T.S. | NOT TO SCALE |
| O.C. | ON CENTER |
| P/C | PRECAST CONCRETE |
| PPC | POWER PROTECTION CABINET |
| P.S.F. | POUNDS PER SQUARE FOOT |
| P.S.I. | POUNDS PER SQUARE INCH |
| P.T. | PRESSURE TREATED |
| QTY. | QUANTITY |
| RAD. (R) | RADIUS |
| REF. | REFERENCE |
| REINF. | REINFORCEMENT(ING) |
| REQ.'D | REQUIRED |
| RGS | RIGID GALVANIZED STEEL |
| SCH. | SCHEDULE |
| SHT. | SHEET |
| SPEC. | SPECIFICATIONS |
| SQ. | SQUARE |
| S.S. | STAINLESS STEEL |
| STD. | STANDARD |
| STL. | STEEL |
| STRUC. | STRUCTURAL |
| TEMP. | TEMPORARY |
| T.O.A. | TOP OF ANTENNAS |
| T.O.F. | TOP OF FOUNDATION |
| T.O.P. | TOP OF PLATE (PARAPET) |
| T.O.W. | TOP OF WALL |
| TYP. | TYPICAL |
| U/G | UNDER GROUND |
| V.I.F. | VERIFY IN FIELD |
| W | WIDE (WIDTH) |
| W/ | WITH |
| WT. | WEIGHT |

# SYMBOLS LEGEND




PROPRIETARY INFORMATION

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CLIENT:

at&t

5001 EXECUTIVE PKWY
SAN RAMON, CA 94583

PROJECT INFORMATION:

**PILOT HILL 2**

3100 TRIPLE SEVEN RD
COOL, CA 95614

| REV: | DATE: | DESCRIPTION: | BY: |
|---|---|---|---|
| 1 | 6-19-17 | 90% ZONING DOC'S | RB |
| 2 | 8-14-17 | 100% ZONING DOC'S | RB |

COORDINATING ENGINEER:

Peek Site-Com
12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitecom.com

SEAL:

REGISTERED PROFESSIONAL ENGINEER
CHRIS OLIVER
NO. C 33407
EXP. 06/30/18
CIVIL
STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

GENERAL NOTES

| SHEET NUMBER: | REVISION: |
|---|---|
| GN-1 | 0 |

at&t

This Site Operated by:

AT&T MOBILITY
2600 CAMINO RAMON, 4W850 N
SAN RAMON, CA 94583
IN CASE OF FIRE AND THE NEED FOR SHUTDOWN
TO DEACTIVATE ANTENNAS CALL
THE FOLLOWING NUMBER:
For 24 Hour Emergency Contact and Access Please Call:
(800) 832-6662

Reference Site#: CVL03175
Site Address: 3100 Triple Seven Rd, Cool, CA 95614

## FENCED COMPOUND SIGNAGE

NO
TRESPASSING

## FENCED COMPOUND SIGNAGE

**AUTHORIZED PERSONNEL ONLY**

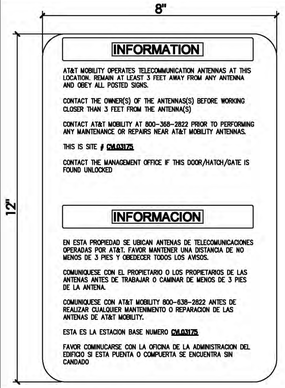
## DOOR/EQUIPMENT SIGN

Property of AT&T

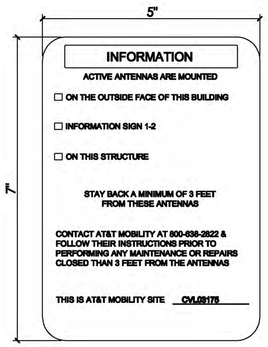
Authorized
Personnel Only

In case of emergency, or prior to performing maintenance on this site, call _____
and reference cell site number _____

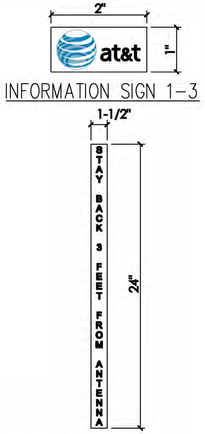
## SHELTER/CABINET DOORS SIGNAGE




INFORMATION SIGN 1-1




INFORMATION SIGN 1-2




INFORMATION SIGN 1-3

INFORMATION SIGN 1-4

1. CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN ACCORDANCE W/ AT&T WIRELESS DOCUMENT #03-0074, RF EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.

2. FABRICATION:

*SIGN 1-1: ENTRANCE DOOR, SEE DETAIL 1A, THIS SHEET
SIGN 1 IS TO BE MADE ON THE 50 MIL ALUMINUM SHEETING (SIZE 8 INCHES BY 12 INCHES) W/ (4) 1/4 INCH MOUNTING HOLES, ONE EACH CORNER OF THE SIGN FOR MOUNTING W/ HARDWARE W/ TIE WRAPS. THE MAIN BACKGROUND COLOR IS THE BE WHITE FRONT & BACK W/ BLACK LETTERING

THE INFORMATION BAND SHALL BE 1.2 INCH SOLID GREEN BAND W/ 0.5 INCH HIGH BLACK LETTERING. THE BODY OF THE TEXT SHALL BE IN BLACK LETTERING W/ 0.2 INCH HIGH LETTERS. THE REF LINE SHALL NE IN 1/8 INCH LETTERS.

THE PLACEMENT OF TEXT SHALL BE DONE IN A MANNER THAT WILL PERMIT EASY READING FROM A DISTANCE OF APPROXIMATELY 6 FEET IN FRONT OF THE SIGN.

ALL PAINT WILL BE BAKER W/ ENAMEL W/ UV PROTECTIVE COATING OVER THE FACE OF THE SIGN.

*SIGN 1-2 POLE, SEE DETAIL 1B, THIS SHEET.

SIGN 2 MUST BE A NON METALLIC LABEL W/ AN ADHESIVE BACKING, THE LABEL SHALL BE MADE USING VINYL OR SIMILAR WEATHERPROOF MATERIAL, THE LABEL SHALL BE APPROXIMATELY 5X7 INCHES W/ A WHITE BACKGROUND AND BLACK LETTERING. THE GREEN BAND SHALL BE 1.375 INCH IN HEIGHT & THE LETTERING SHALL BE BLACK W/ 0.75 INCH HIGH LETTERS. THE TEXT LETTERING SHALL BE BLACK W/ 1/8 INCH HIGH LETTERS. UV PROTECTION SHALL BE PLACED OVER THE FRONT OF THE LABEL.

*SIGN 1-3: BACK OF ANTENNAS, SEE DETAIL 1C & 3, THIS SHEET

*SIGN 3 IS A 1 INCH X 2 INCH PANEL THAT CAN BE APPLIED TO THE BACK OR SIDE OF AN ANTENNA TO IDENTIFY IT AS AN AT&T ANTENNA.

*SIGN 1-4: SIDE OF ANTENNAS, SEE DETAIL 1D & 3, THIS SHEET

SIGN 4 IS MADE FROM TRANSPARENT MATERIAL 1-1/2 INCHES WIDE & 24 INCHES LONG. THE LETTERING IS TO BE BLACK W/ 1/2 INCH LETTERING IN A VERTICAL COLUMN. THE SPACING BETWEEN WORDS MUST BE SUCH THAT IT IS EASILY READ & FILLS THE LENGTH OF THE SIGN

## INFORMATION SIGNAGE

SIGNAGE AND STRIPING INFORMATION

1. THE FOLLOWING INFORMATION IS A GUIDELINE W/ RESPECT TO PREVAILING STANDARDS LIMITING HUMAN EXPOSURE TO RADIO FREQUENCY ENERGY AND SHOULD BE USED AS SUCH. IF THE SITE'S EMF REPORT OR ANY LOCAL, STATE OR FEDERAL GUIDELINES OR REGULATIONS SHOULD BE IN CONFLICT W/ ANY PART OF THESE NOTES OR PLANS, THE MORE RESTRICTIVE GUIDELINE OR REGULATION SHALL BE FOLLOWED AND OVERRIDE THE LESSER.

2. THE PUBLIC LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 1MWCM*2 AND THE OCCUPATIONAL LIMIT OF RF EXPOSURE ALLOWED BY AT&T IS 5MWCM*2

3. IF THE BOTTOM OF THE ANTENNA IS MOUNTED (8) EIGHT FEET ABOVE THE GROUND OR WORKING PLATFORM LINE OF THE PERSONAL COMMUNICATION SYSTEM (PCS) AND DOES NOT EXCEED THE PUBLIC LIMIT OF RF EXPOSURE LIMIT THEN NO STRIPING OR BARRICADES SHOULD BE NEEDED.

4. IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (E.G. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.

5. IF THE PUBLIC LIMIT OF RF EXPOSURE ON THE SITE IS EXCEEDED AND THE AREA IS PUBLICLY ACCESSIBLE (E.G. ROOF ACCESS DOOR THAT CANNOT BE LOCKED, OR FIRE EGRESS) THEN BOTH BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES AND STRIPING SHALL BE PLACED AROUND THE ANTENNAS. THE EXACT EXTENT OF THE BARRICADES & STRIPING SHALL BE DETERMINED BY THE EMF REPORT FOR THE SITE DONE BEFORE OR SHORTLY AFTER COMPLETION OF SITE CONSTRUCTION. USE THE PLANS AS A GUIDELINE FOR PLACEMENT OF SUCH BARRICADES AND STRIPING.

6. ALL TRANSMIT ANTENNAS REQUIRE A THREE LANGUAGE WARNING SIGN WRITTEN IN ENGLISH, SPANISH, AND CHINESE. THIS SIGN SHALL BE PROVIDED TO THE CONTRACTOR Y THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION. THE LARGER SIGN SHALL BE PLACED IN PLAIN SIGHT AT ALL ROOF ACCESS LOCATIONS AND ON ALL BARRICADES. THE SMALLER SIGN SHALL BE PLACED ON THE ANTENNA ENCLOSURES IN A MANNER THAT IS EASILY SEEN BY ANY PERSON ON THE ROOF. WARNING SIGNS SHALL COMPLY W/ ANSI C95.2 COLOR, SYMBOL, AND CONTENT CONVENTIONS. ALL SIGNS SHALL HAVE AT&T'S NAME AND THE COMPANY CONTACT INFORMATION (E.G. TELEPHONE NUMBER) TO ARRANGE FOR ACCESS TO THE RESTRICTED AREAS. THIS TELEPHONE NUMBER SHALL BE PROVIDED TO THE CONTRACTOR BY THE AT&T CONSTRUCTION PROJECT MANAGER AT THE TIME OF CONSTRUCTION.

7. PHOTOS OF ALL STRIPING, BARRICADES & SIGNAGE SHALL BE PART OF THE CONTRACTORS CLOSE OUT PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PACKAGE & SHALL BE TURNED INTO THE AT&T CONSTRUCTION PROJECT MANAGER AT THE END OF CONSTRUCTION. STRIPING SHALL BE DONE W/ FADE RESISTANT YELLOW SAFETY PAINT IN A CROSS-HATCH PATTERN AS DETAILED BY THE CONSTRUCTION DRAWINGS. ALL BARRICADES SHALL BE MADE OF AN RF FRIENDLY MATERIAL SO AS NOT TO BLOCK OR INTERFERE W/ THE OPERATION OF THE ANTENNAS. BARRICADES SHALL BE PAINTED W/ FADE RESTRAINT YELLOW SAFETY PAINT. THE CONTRACTOR SHALL PROVIDE ALL RF FRIENDLY BARRICADES NEEDED, & SHALL PROVIDE THE AT&T CONSTRUCTION PROJECT MANAGER W/ A DETAILED

8. SHOP DRAWING OF EACH BARRICADE. UPON CONSTRUCTION COMPLETION.

## GENERAL NOTES


## FCC ASR SIGNAGE

Property of AT&T

Authorized
Personnel Only

No Trespassing
Violators will be Prosecuted

In case of emergency, or prior to performing maintenance on this site, call _____
and reference cell site number _____

## GATE SIGNAGE

NOTE:

1. CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN ACCORDANCE W/ AT&T WIRELESS DOCUMENT #03-0074, RF EXPOSURE POLICY AND RF SAFETY COMPLIANCE PROGRAM, LATEST EDITION.

2. CONTRACTOR SHALL CONTACT AT&T R-RFSC FOR INFORMATION ON MPE LEVELS AND INSTRUCTIONS ON LEVEL AND LOCATION OF SIGNAGE

**WARNING**

**Beyond This Point** you are entering a controlled area where RF Emissions exceed the FCC Controlled Exposure limits
**Failure to obey all posted signs and site guidelines could result in serious injury**

Ref: FCC 47CFR 1.1307(b)

**CAUTION**

**Beyond This Point** you are entering a controlled area where RF Emissions may exceed the FCC Controlled Exposure limits
**Obey all posted signs and site guidelines for working in an RF environment**

Ref: FCC 47CFR 1.1307(b) at&t

## CAUTION AND WARNING SIGN

**NOTICE**

**Beyond This Point** you are entering an area where RF Emissions may exceed the FCC General Population Exposure Limits
**Follow all posted signs and site guidelines for working in an RF environment**

Ref: FCC 47CFR 1.1307(b) at&t

## NOTICE SIGN

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF DRAWINGS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO PEEK SITE-COM IS STRICTLY PROHIBITED

CLIENT:

at&t

5001 EXECUTIVE PKWY
SAN RAMON, CA 94583

PROJECT INFORMATION:

**PILOT HILL 2**
3100 TRIPLE SEVEN RD
COOL, CA 95614

| REV: | DATE: | DESCRIPTION: | BY: |
|---|---|---|---|
| 1 | 6-19-17 | 90% ZONING DOC'S | RB |
| 2 | 8-14-17 | 100% ZONING DOC'S | RB |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

COORDINATING ENGINEER:

Peek Site-Com
12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitecom.com

SEAL:

REGISTERED PROFESSIONAL ENGINEER
CHRIS OLIVEIRA
NO. C 33407
EXP. 06/30/18
CIVIL
STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

SITE SIGNAGE

| SHEET NUMBER: | REVISION: |
|---|---|
| GN-2 | 0 |

DATE OF SURVEY: 04-28-17

SURVEYED BY OR UNDER DIRECTION OF: KENNETH D. GEIL, R.C.E. 14803

LOCATED IN THE COUNTY OF EL DORADO, STATE OF CALIFORNIA

BEARINGS SHOWN ARE BASED UPON MONUMENTS FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY.

ELEVATIONS SHOWN ON THIS PLAN ARE BASED UPON U.S.G.S. N.A.V.D. 88 DATUM. ABOVE MEAN SEA LEVEL.

N.G.V.D. 1929 CORRECTION: SUBTRACT 2.68' FROM ELEVATIONS SHOWN.

CONTOUR INTERVAL: 1 FT.

CONTRACTOR IS RESPONSIBLE TO VERIFY LEASE AREA PRIOR TO CONSTRUCTION.

ASSESSOR'S PARCEL NUMBER: 071-032-15-100

OWNER(S): KIRK BRELSFORD
3100 TRIPLE SEVEN RD.
COOL, CA 95614

A.T.& T. Mobility

Project No./Name: CVL03175 / PILOT HILL 2

Project Site Location: 3100 Triple Seven Road
Cool, CA 95614
El Dorado County

Date of Observation: 04-28-17

Equipment/Procedure Used to Obtain Coordinates: Trimble Geo XT post processed with Pathfinder Office software.

Type of Antenna Mount: Proposed Monopine Tower

Coordinates (Center Lease Area)

Latitude: N 38°53'23.38" (NAD83) N 38°53'23.74" (NAD27)
Longitude: W 120°59'51.29" (NAD83) W 120°59'47.49" (NAD27)

ELEVATION of Ground at Structure (NAVD88) 1621' AMSL

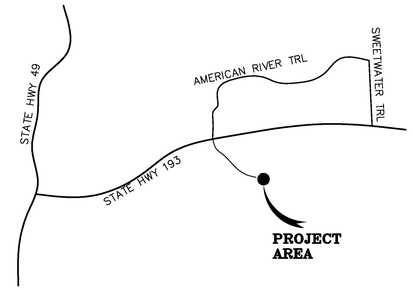
Lease Area Description

All that certain lease area being a portion of Parcel "2" as is shown on that certain Parcel Map, filed for record in Book 9 of Parcel Maps, Page 98, El Dorado County Records, located in the County of El Dorado, State of California, and being a portion of the South 1/2 of Section 9, Township 12 N., Range 9 E., M.D.B.& M, and being more particularly described as follows:

Commencing at the Southwest corner of the aforementioned Parcel 2; thence along the southwesterly boundary thereof North 50°02'12" West, 434.70 feet; thence leaving said Southwesterly boundary North 39°57'48" East, 186.68 feet to the True Point of Beginning; thence from said point of beginning North 54°53'37" West, 36.00 feet; thence North 35°06'23" East, 36.00 feet; thence South 54°53'37" East, 36.00 feet; thence South 35°06'23" West, 36.00 feet to the point of beginning.

Together with a non-exclusive easement for access and utility purposes, purposes fifteen feet in width, the centerline of which is more particularly described as follows: Beginning at a point which bears South 35°06'23" West, 18.00 feet from the East most corner of the above described lease area; thence from said point of beginning South 55°32'41" East, 35.93 feet to the point of curvature of a tangent curve, concave to the northwest, having a radius of 25.00 feet and a central angle of 156°23'38"; thence Southeast along said curve, a distance of 68.24 feet, curving to the right; thence North 79°09'03" West, 22.87 feet; thence South 88°56'55" West, 201.09 feet; thence South 85°14'30" West, 118.17 feet; thence North79°24'18"West, 81.37 feet more or less to the Southwesterly boundary of the aforementioned Parcel 2, said point also being the beginning of an existing 60' easement for road and utility purposes as shown on the plat filed in Book 29 of Parcel Maps, Page 4 El Dorado County Records; thence along said easement to the public right of way commonly known as State Highway 193.

Also together with a non-exclusive easement for utility purposes, purposes six feet in width, the centerline of which is more particularly described as follows: Beginning at the North most corner of the above described lease area and running thence North 27°20'51" West 150.0 feet more or less to an existing utility service connection location.

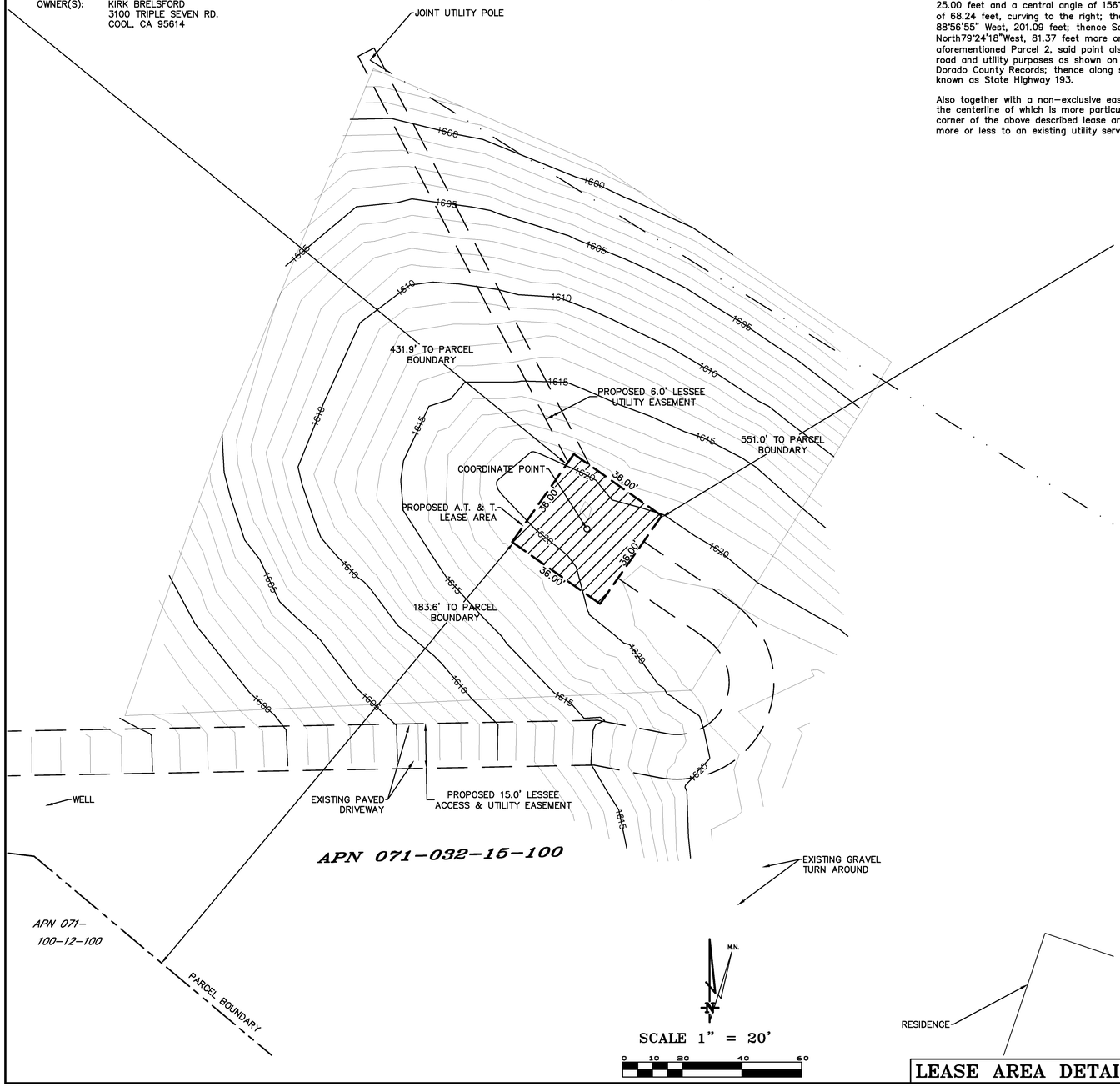



IONE, CA

VICINITY MAP

THESE DRAWINGS AND/OR THE ACCOMPANYING SPECIFICATION AS INSTRUMENTS OF SERVICE, ARE THE EXCLUSIVE PROPERTY OF GEIL ENGINEERING AND THEIR USE AND PUBLICATION SHALL BE RESTRICTED TO THE ORIGINAL SITE AND CARRIER FOR WHICH THEY ARE PREPARED. REUSE, REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED EXCEPT BY WRITTEN PERMISSION FROM GEIL ENGINEERING. TITLE TO THESE PLANS AND/OR SPECIFICATIONS SHALL REMAIN WITH GEIL ENGINEERING WITHOUT PREJUDICE AND VISUAL CONTACT WITH THEM SHALL CONSTITUTE PRIMA FACIE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

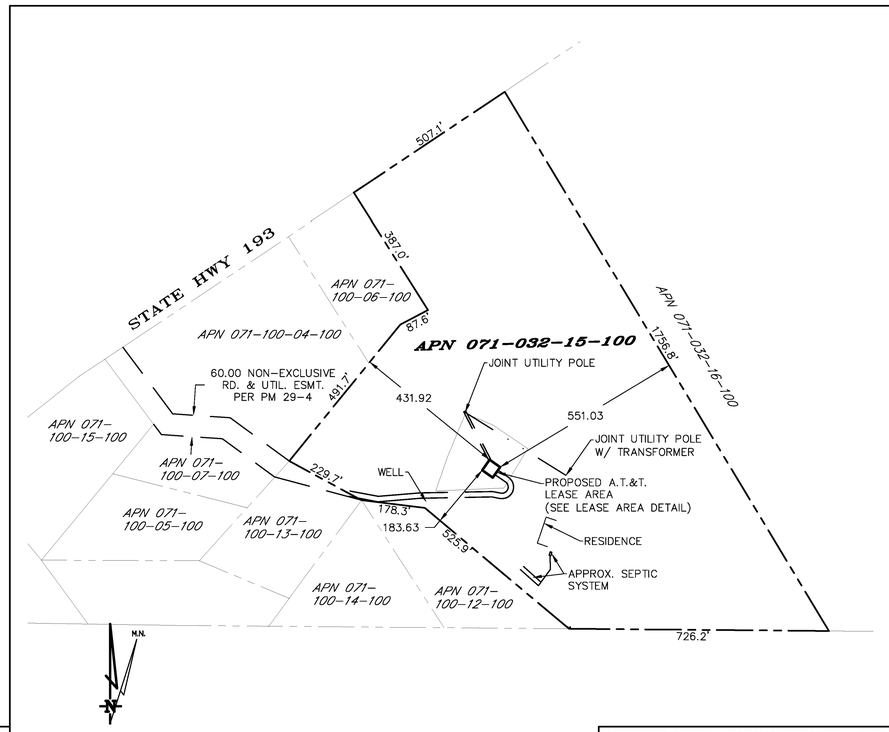
BOUNDARY SHOWN IS BASED ON MONUMENTATION FOUND AND RECORD INFORMATION. THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP WITH PROPERTY LINES AND EASEMENTS BEING A GRAPHIC DEPICTION BASED ON INFORMATION GATHERED FROM VARIOUS SOURCES OF RECORD AND AVAILABLE MONUMENTATION FOUND DURING THE FIELD SURVEY. NO EASEMENTS WERE RESEARCHED OR PLOTTED. PROPERTY LINES AND LINES OF TITLE WERE NOT INVESTIGATED NOR SURVEYED. NO PROPERTY MONUMENTS WERE SET.







LEASE AREA DETAIL




OVERALL PROJECT AREA

| DEPT | APPROVED | DATE |
|---|---|---|
| A&C | | |
| RE | | |
| RF | | |
| INT | | |
| EE/IN | | |
| OPS | | |
| EE OUT | | |

Surveyor
GEIL ENGINEERING
ENGINEERING • SURVEYING • PLANNING
1626 RIDGE STREET
AUBURN, CALIFORNIA 95603
Phone: (530) 885-0426
Fax: (530) 823-1309

at&t MOBILITY

CVL03175 Pilot Hill
3100 Triple Seven Road
Cool, CA 95614

PLOT PLAN AND SITE TOPOGRAPHY

| REVISIONS | | |
|---|---|---|
| REV | 04-29-17 | Preliminary Drawing dg |
| REV | | |
| REV | | |
| REV | | |
| REV | | |
| REV | | |

Sheet
C-1

# GENERAL NOTES

1. THE CONTRACTOR SHALL HAVE A RESPONSIBLE PARTY, WHO SHALL HAVE THE AUTHORITY TO REPRESENT AND ACT FOR THE CONTRACTOR, ON THE JOB SITE DURING ALL WORKING HOURS.
2. ALL WORK SHALL BE ACCOMPLISHED TO THE SATISFACTION OF THE WASHOE COUNTY AUTHORIZED REPRESENTATIVE.

## DEFINITIONS:

(ESC) – EROSION AND SEDIMENT CONTROL
(NPDES) – NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
(CWA) – CLEAN WATER ACT
(SWPPP) – STORM WATER POLLUTION PREVENTION PLAN
(BMP'S) – BEST MANAGEMENT PRACTICES

## THE CONTRACTOR SHALL:

MAKE HIM/HERSELF AWARE OF THE REQUIREMENTS OF SAID GENERAL PERMIT AND THE PROVISIONS OF THE GRADING & EROSION CONTROL PLANS.

IMPLEMENT THE ESC FEATURES AND BEST MANAGEMENT PRACTICES (BMP'S) CONTAINED IN THE IMPROVEMENT PLANS, AND OTHERWISE DILIGENTLY PURSUE COMPLIANCE WITH THE LOCAL REQUIREMENTS.

ASSIST THE OWNER, ENGINEER, AND PUBLIC WORKS DEPARTMENT STAFF IN THE ASSESSMENT OF THE FUNCTIONALITY OF AND MODIFICATIONS TO THE FEATURES AND PRACTICES IMPLEMENTED AND PROPOSED.

MEET WITH THE OWNER AND THE PUBLIC WORKS DEPARTMENT STAFF TO DETERMINE AND DISCUSS THE STATUS OF THE PROJECT, CONSTRUCTION SCHEDULE, AND ANY MODIFICATIONS AND/OR ADDITIONS TO THE ESC FEATURES IN ORDER TO DILIGENTLY PURSUE COMPLIANCE.

DOCUMENT ANY MAINTENANCE, REPLACEMENT, INSPECTION, MODIFICATIONS OR ADDITIONS TO THE PROJECT ESC FEATURES, AND NOTIFY THE ENGINEER. OWNER AND PUBLIC WORKS DEPARTMENT STAFF OF ANY SUBSTANTIAL MODIFICATIONS OR ADDITIONS TO THE ESC PRACTICES AND FEATURES. ALL DISTURBED AREAS SHALL BE PROTECTED WITH APPROVED MATERIALS WITHIN 15 DAYS OF COMPLETION OF THE FINISHED GRADES.

MAINTAIN AN INVENTORY OF ESC MATERIALS (STRAW BALES, 1.5" – 3" CLEAN CRUSHED ROCK, FIBER ROLLS, SILT FENCE, ROCK BAGS, ETC.) ON SITE FOR EMERGENCY USE AS DIRECTED BY THE ENGINEER, OWNER, OR THE PUBLIC WORKS DEPARTMENT STAFF.

## OTHER RESPONSIBILITIES OF APPLICANT:

A. PROTECTION OF UTILITIES. THE APPLICANT SHALL BE RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ANY PUBLIC UTILITIES OR SERVICES.

B. PROTECTION OF ADJACENT PROPERTY. THE APPLICANT SHALL BE RESPONSIBLE

C. FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON(S) SHALL EXCAVATE ON LAND THAT IS SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK, ALLEY, STRUCTURE OR OTHER PUBLIC OR PRIVATE PROPERTY OR EASEMENT WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM ANY DAMAGE WHICH MIGHT OTHERWISE RESULT.

D. ADVANCE NOTICE. THE APPLICANT SHALL NOTIFY THE COUNTY AT LEAST FORTY–EIGHT HOURS PRIOR TO THE START OF WORK.

E. EROSION AND SEDIMENT CONTROL. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT TO PREVENT DISCHARGE OF SEDIMENT FROM THE SITE, IN QUANTITIES GREATER THAN BEFORE THE GRADING OCCURRED, TO ANY WATERCOURSE, DRAINAGE SYSTEM, OR ADJACENT PROPERTY.

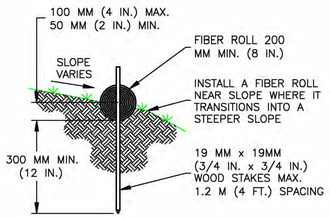
F. COMPLIANCE WITH STORMWATER RUNOFF POLLUTION CONTROL CODE. AT ALL TIMES DURING THE PRECONSTRUCTION AND CONSTRUCTION OF ANY PROJECT FOR WHICH GRADING APPROVAL IS ISSUED UNTIL ALL FINAL IMPROVEMENTS AND PERMANENT STRUCTURES ARE COMPLETE, THE APPLICANT SHALL FULLY COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE STORMWATER RUNOFF POLLUTION CONTROL CODE.

# BMP INSTALLATION SCHEDULE

| BEST MANAGEMENT PRACTICE | LOCATION | IMPLEMENTATION SCHEDULE | MAINTENANCE SCHEDULE |
|---|---|---|---|
| A. PRESERVING EXISTING VEGETATION | AROUND PERIMETER OF PROJECT SITE | CONTINUOUS, UNTIL CONSTRUCTION IS COMPLETED | EDUCATE EMPLOYEES AND SUBCONTRACTORS REGARDING IMPORTANCE AT MAINTAINING EXISTING VEGETATION TO PREVENT EROSION AND FILER AND SEDIMENT IN RUNOFF FROM DISTURBED AREAS ON THE CONSTRUCTION SITE. INSPECT SITE PERIMETER MONTHLY TO VERIFY THE OUTSIDE VEGETATION IS NOT DISTURBED. |
| B. PROTECT GRADED AREAS AND SLOPES FROM WASHOUT & EROSION | THROUGHOUT PROJECT SITE | DURING WET SEASON | INSPECT GRADED AREAS AND SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. REGRADE TRIBUTARY AREAS OR INSTALL FILTER BARRIER OR SAND BAG DIKES AS NECESSARY TO PREVENT EROSION. |
| C. GRAVEL FILTER | ALONG FLOW LINES OF UNPAVED ROADWAYS WITHIN SITE | IN PLACE DURING WET SEASON UNTIL ROADWAYS ARE PAVED | INSPECT DAILY AND AFTER EACH STORM. REMOVE ONSITE SEDIMENT DEPOSITED BEHIND BERM OR BARRIER TO MAINTAIN EFFECTIVENESS. |
| D. INLET FILTER BAG | INLETS TO THE STORM DRAINAGE SYSTEM | CONTINUOUS UNTIL LANDSCAPING IS IN PLACE | INSPECT WEEKLY AND AFTER EACH STORM. REMOVE SEDIMENT AND DEBRIS BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. REPAIR OR REPLACE INLET FILTER BAG AS SOON AS DAMAGE OCCURS. |
| E. FIBER ROLL | SEE PLAN SHEET C–4 | CONTINUOUS | INSPECT WEEKLY AND AFTER EACH STORM. REMOVE SEDIMENT DEPOSITED BEHIND FIBER ROLL WHENEVER NECESSARY TO MAINTAIN EFFECTIVENESS. |
| F. HYDROSEEDING | 3:1 SLOPES | IN PLACE DURING BY SEPT. 15 | INSPECT SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. IF EROSION IS NOTED, SPREAD STRAW MULCH OVER AFFECTED AREAS. |
| G. STABILIZED CONSTRUCTION ENTRANCE | ENTRANCES TO SITE FROM PUBLIC ROADWAYS | CONTINUOUS, UNTIL ENTRANCES AND ONSITE ROADWAYS ARE PAVED | INSPECT ON A MONTHLY BASIS AND AFTER EACH RAINFALL. ADD AGGREGATE BASE MATERIAL WHENEVER NECESSARY TO PREVENT SEDIMENT FROM BEING TRACKED INTO PUBLIC STREET. |
| H. WIND EROSION CONTROL PRACTICES | WHEREVER NECESSARY THROUGHOUT PROJECT SITE | CONTINUOUS UNTIL GRADING IS COMPLETED AND SOILS HAVE STABILIZED | INSPECT SITE DURING WINDY CONDITIONS TO IDENTIFY AREAS WHERE WIND EROSION IS OCCURRING AND ABATE EROSION AS NECESSARY |
| I. GOOD HOUSEKEEPING MEASURES | THROUGHOUT PROJECT SITE | CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED | INSPECT SITE ON AT LEAST A MONTHLY BASIS TO VERIFY THAT GOOD HOUSEKEEPING PRACTICES ARE BEING IMPLEMENTED. |
| J. PROPER CONSTRUCTION MATERIAL STORAGE | DESIGNATED AREA | CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED | INSPECT SITE ON AT LEAST A WEEKLY BASIS TO VERIFY THAT CONSTRUCTION MATERIALS ARE STORED IN A MANNER, WHICH COULD NOT CAUSE STORM WATER POLLUTION. |
| K. PROPER CONSTRUCTION WASTE STORAGE AND DISPOSAL INCLUDING<br>1) CONCRETE SPILL CLEANUP INCLUDING<br>1) PAINT & PAINTING SUPPLIES<br>2) VEHICLE FUELING MAINTENANCE & CLEANING | DESIGNATED COLLECTION AREA AND CONTAINERS<br>.<br>MATERIAL HANDLING AREA<br>.<br>DESIGNATED AREA WITH SECONDARY CONTAINMENT | CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED<br>.<br>IMMEDIATELY AT TIME OF SPILL<br>.<br>CONTINUOUS | INSPECT SITE ON AT LEAST A WEEKLY BASIS TO ASSURE WASTE IS STORED PROPERLY AND DISPOSED OF AT LEGAL DISPOSAL SITE, DAILY.<br>.<br>INSPECT MATERIAL HANDING AREAS ON AT LEAST A MONTHLY BASIS TO VERIFY PROPER SPILL CLEANUP.<br>.<br>KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ON SITE & INSPECT ON REGULAR SCHEDULE. |
| L. STREET AND STORM DRAINAGE FACILITY MAINTENANCE DEFINITIONS | STREETS AND STORM DRAINAGE FACILITIES | CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED | MAINTAIN STORM DRAINAGE FACILITIES AND PAVED STREETS CLEAR OF SEDIMENT AND DEBRIS. |

1. WET SEASON: ENTIRE PERIOD BETWEEN OCTOBER 1 THROUGH APRIL 30. CONTRACTOR SHALL ALSO IMPLEMENT WET SEASON MEASURES IF WET WEATHER IS EXPECTED DURING THE DRY SEASON.
2. PHASES OF GRADING
   . INITIAL (STAGE 1): WHEN CLEARING AND GRUBBING ACTIVITIES OCCUR.
   . ROUGH (STAGE 2): WHEN CUT AND FILL ACTIVITIES OCCUR AND THE SITE IMPROVEMENTS ARE CONSTRUCTED, INCLUDING UNDERGROUND PIPING, STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS.
   . FINAL (STAGE 3): WHEN FINAL ELEVATIONS ARE SET, AND SITE IMPROVEMENTS ARE COMPLETED AND READY FOR COUNTY ACCEPTANCE.

ER–1 PORTABLE CONCRETE WASHOUT CONTAINER
NO SCALE




TYPICAL FIBER ROLL INSTALLATION

ER–2 FIBER ROLLS
NO SCALE

**INSPECTION & MAINTENANCE OF FIBER ROLLS:**

1. REPAIR OR REPLACE SPLIT, TORN, UNRAVELING OR SLUMPING FIBER ROLLS.
2. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, FOLLOWING RAIN EVENTS, AT LEAST DAILEY DURING PROLONGED RAINFALL, AND AT TWO–WEEK INTERVALS DURING THE NON–RAINY SEASON.
3. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE–HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE–HALF THE DISTANCE BETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO THE EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.

**NOTES:**

1. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE LANDSCAPE INSPECTOR.
2. FILTER ROLL (8"TO 12" DIAMETER) SHALL BE PLACED INTO THE KEY TRENCH AND STAKES ON BOTH SIDES OF THE ROLL WITHIN b FEET OF EACH END AND THEN EVERY 3' TO 4' WITH 1" X 2"X 23" STAKES. STAKES ARE TYPICALLY DRIVEN IN ON ALTERNATING BIDES OF THE ROLL. ADJACENT ROLLS. SHALL TIGHTLY ABUT.
3. CLEAR SUBGRADE SO THAT REMOVAL OF ALL LOCAL DEVIATIONS AND TO REMOVE LARGE STONES OR DEBRIS THAT WILL INHIBIT INTIMATE CONTACT OF THE FIBER ROLL WITH THE SUBGRADE.
4. PRIOR TO ROLL INSTALLATION, CONTOUR A CONCAVE TRENCH (2 TO 4 INCHES) DEEP ALONG THE PROPOSED INSTALLATION ROUTEFIBER ROLL SHALL BE INSTALLED ALONG THE SIDE OF WALKS AND AROUND THE CATCH BASINS. THE BOTTOM EDGE 'OF THE FABER ROLL SHALL EXTEND TO AND ACROSS THE BOTTOM OF THE TRENCH. THE TRENCH SHALL BE BACKFILLED TO 4 INCHES ABOVE GROUND AND COMPACTED TO BURY AND SECURE THE BOTTOM OF THE FIBER ROLL.
5. CONTRACTED SHALL MAKE INSPECTIONS WEEKLY DURING THE WET SEASON, MONTHLY DURING THE DRY SEASON AND IMMEDIATELY AFTER EACH RAINFALL TO DETERMINE IF REPAIRS AND SEDIMENT REMOVAL IS Required. SEDIMENT SHALL BE REMOVED BEFORE IT HAS REACHED ONE THIRD THE HEIGHT OF THE FILTER FABRIC.

# EROSION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE COUNTY IMPROVEMENT STANDARDS, CURRENT EDITION, AND THE COUNTY EROSION AND SEDIMENT CONTROL GUIDELINES.
2. EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER THROUGH APRIL 30). SEDIMENT CONTROL BMPs SHALL BE INSTALLED AND MAINTAINED ALL YEAR.
3. ALL DRAINAGE INLETS IMMEDIATELY DOWNSTREAM OF THE WORK AREAS AND WITHIN THE WORK AREAS SHALL BE PROTECTED WITH SEDIMENT CONTROL AND INLET FILTER BAGS, YEAR ROUND. INLET FILTER BAGS SHALL BE REMOVED FROM THE DRAINAGE INLETS UPON ACCEPTANCE OF THE PUBLIC IMPROVEMENTS BY THE COUNTY.
4. ALL AREAS DISTURBED DURING CONSTRUCTION, BY GRADING, TRENCHING, OR OTHER ACTIVITIES, SHALL BE PROTECTED FROM EROSION DURING THE WET SEASON (OCTOBER 1 THROUGH APRIL 30). HYDROSEED, IF UTILIZED, MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDARY EROSION PROTECTION METHOD.
5. SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FENCING. SEDIMENT CONTROL BMPs SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.
6. SEDIMENT CONTROL BMPs SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMPs SHALL BE MAINTAINED YEAR ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE.
7. THE FOLLOWING AREAS ARE TO RECEIVE HYDROSEEDING OR OTHER EROSION CONTROL: ALL SLOPES GREATER THAN 10:1.
8. FOR DEWATERING OPERATIONS, SEDIMENT– LADEN STORM WATER SHALL BE EITHER PUMPED (NOTE 10) OR ROUTED (TEMPORARY DIVERSION SWALE) TO SEDIMENT TRAP(S) TO ALLOW SEDIMENT TO SETTLE OUT BEFORE DISCHARGE OFF–SITE. ONCE SEDIMENT HAS SETTLED OUT, WATER WILL BE DISCHARGED THROUGH SWALE LINED WITH IMPERVIOUS PLASTIC LINER.
9. USE OF FIBER ROLLS SHALL BE AUGMENTED DURING WET SEASON WITH DEWATERING BMP's IN THE EVENT THAT FIBER ROLLS DO NOT EFFECTIVELY RETAIN STORM WATER ON SITE. DEWATERING MAY INCLUDE PUMPS OR BERMS TO ROUTE WATER TO THE SEDIMENT TRAP. IF PUMPS ARE USED, THEN FILTER BAGS SHALL BE USED AT DISCHARGE HOSE ENDS. DEWATERING MATERIAL SHALL NOT BE DISCHARGED DIRECTLY TO THE STORM DRAIN SYSTEM.

# REQUIRED BMPS

THE FOLLOWING BMPS SHALL BE REQUIRED ON ALL PROJECTS:

A. ACCESS POINTS TO THE CONSTRUCTION SITE SHALL HAVE A STABILIZED CONSTRUCTION ACCESS.

B. THE PRESERVATION OF EXISTING VEGETATION SHALL BE DONE IN ACCORDANCE WITH PRESERVATION OF EXISTING VEGETATION, AND SILT FENCE.

C. PERIMETER PROTECTION ALONG PROPERTY LINES SHALL HAVE PRESERVATION OF EXISTING VEGETATION, OR SILT FENCE.

D. SLOPES GREATER THAN 3 PERCENT SHALL BE TEMPORARILY SEEDED AND SLOPES GREATER 3:1 (H:V) SHALL HAVE HYDROSEEDING AND/OR GEOTEXTILES, PLASTIC COVERS, AND/OR EROSION CONTROL BLANKETS INSTALLED.

E. THE TOE OF ALL SLOPES SHALL HAVE SILT FENCE AND/OR FIBER ROLL.

F. DISTURBED SOIL AREAS BEHIND THE CURB OR BACK OF WALK (OR CURB) SHALL HAVE STRAW MULCH, SOIL BINDERS OR GEOTEXTILES, PLASTIC COVERS, AND EROSION CONTROL BLANKETS/MATS IN CONJUNCTION WITH HYDROSEEDING. SURFACE TREATMENTS SHALL EXTEND TO THE GREATER OF 6 METERS (20 FEET) OR TO THE TOP OF SLOPE.

G. ROADWAY SUBGRADES SHALL HAVE FIBER ROLL, SILT FENCE, OR SEDIMENT TRAP.

H. DEAD END STREETS, TO BE EXTENDED IN THE FUTURE, SHALL HAVE PRESERVATION OF EXISTING VEGETATION, HYDROSEEDING, SEDIMENT TRAP OR OTHER APPLICABLE BMP TO MINIMIZE THE TRANSPORT OF SEDIMENT ONTO OR FROM THE IMPROVED SURFACE.

I. PROJECTS THAT INCLUDE DETENTION BASINS SHALL HAVE A SEDIMENT BASIN.

J. PLACE DRAINAGE INLET SEDIMENT BMPS AT ALL STORM DRAIN INLETS. BMPS SHALL INCLUDE INLET SEDIMENT CONTROL BARRIER, INLET FILTER BAG AND CONCRETE STAMPS OR EXPOXIED PLAQUARDS.

K. EACH CONSTRUCTION SITE SHALL PROVIDE DESIGNATED, PAINT AND WASTE DISPOSAL LOCATIONS AS NECESSARY.

L. A BMP INSTALLATION SCHEDULE SHALL BE INCLUDED ON THE IMPROVEMENT PLANS. THE SCHEDULE SHALL INCLUDE THE BMPS FOR BOTH THE WET SEASON AND THE DRY SEASON.

# REVEGETATION STANDARDS

1. PERMANENT REVEGETATION OR LANDSCAPING, IF REQUIRED, IS TO BE COMMENCED ON THE CONSTRUCTION SITE AS SOON AS PRACTICAL AND IN NO CASE EXCEEDING TWELVE MONTHS AFTER ACHIEVING FINAL GRADES AND UTILITY PLACEMENTS. WHENEVER PRACTICAL, LAND IS TO BE DEVELOPED IN INCREMENTS OF WORKABLE SIZE WHICH CAN BE COMPLETED DURING A SINGLE CONSTRUCTION SEASON; EROSION CONTROL MEASURES ARE TO BE COORDINATED WITH THE SEQUENCE OF GRADING OR IMPROVEMENTS.
2. ALL SURFACES DISTURBED BY VEGETATION REMOVAL, GRADING, HAUL ROADS, OR OTHER ACTIVITY OF CONSTRUCTION WHICH ALTERS THE NATURAL VEGETATIVE COVER ARE TO BE PREPARED FOR EXPEDIENT REVEGETATION OR OTHERWISE MAINTAINED TO CONTROL EROSION UNLESS COVERED WITH IMPERVIOUS OR OTHER IMPROVED SURFACES PURSUANT TO APPROVED PLANS WITHIN FOURTEEN DAYS FOLLOWING THE COMPLETION OF GRADING, OR REMOVAL OF VEGETATION IF NO GRADING WAS INVOLVED.
3. TOPSOIL REMOVED FROM THE SURFACE IN PREPARATION FOR GRADING SHALL BE RESTORED TO EXPOSE CUT AND FILL EMBANKMENTS OR BUILDING PADS SO AS TO PROVIDE A SUITABLE BASE FOR SEEDING AND PLANTING.
4. ACCEPTABLE METHODS OF REVEGETATION INCLUDE STRAW–MULCHING, HYDRO–MULCHING OR PLANTING OF MIXTURE SPECIFIED IN THE IMPROVEMENT STANDARDS. OTHER METHODS OF REVEGETATION MAY BE APPROVED BY THE COUNTY ENGINEER WHERE EQUIVALENT PROTECTION IS PROVIDED.
5. ALL REVEGETATION AND LANDSCAPING ARE TO BE CONDUCTED WITHIN SUITABLE GROWING PERIODS. NATIVE PLANT MATERIALS ARE SPECIFICALLY ENCOURAGED IN ORDER TO REDUCE IRRIGATION DEMANDS.
6. TEMPORARY SEDIMENTATION CONTROL FACILITIES ARE TO BE INSTALLED IN CONJUNCTION WITH INITIAL GRADING OPERATIONS AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD TO REMOVE SEDIMENTS FROM RUNOFF WATERS DURING DEVELOPMENT.
7. PERMANENT SEDIMENT CATCHMENT BASINS OR OTHER TYPES OF SEDIMENT RETENTION FACILITIES ARE REQUIRED WHEREVER NECESSARY TO PREVENT DISCHARGE OF SEDIMENT INTO WATERS OF THE STATE. SEDIMENT RETENTION FACILITIES SHALL BE INSPECTED AND CLEANED ACCORDING TO A REGULAR MAINTENANCE SCHEDULE.
8. THE PLANTING OR SEEDING OF VEGETATIVE PROTECTION MUST BE EFFECTIVE. IF THE VEGETATION DOES NOT GROW AND OFFER PROPER PROTECTION, IT MUST BE REPLANTED OR RESEEDED.
9. THE MAINTENANCE OF VEGETATIVE PROTECTION ON GRADED SLOPES SHALL BE THE RESPONSIBILITY OF THE PERMITTEE AND SHALL BE GUARANTEED UNTIL THE VEGETATION IS WELL ESTABLISHED OR IS OFFICIALLY ASSUMED BY ANOTHER PARTY.

# DUST MITIGATION PLAN

SECTION 1: FUGITIVE DUST PREVENTION AND CONTROL

LAND CLEARING/EARTH MOVING:
WATER SHALL BE APPLIED BY MEANS OF TRUCK(S), HOSES AND/OR SPRINKLERS PRIOR TO ANY LAND CLEARING OR EARTH MOVEMENT TO MINIMIZE DUST EMISSIONS. HAUL VEHICLES TRANSPORTING SOIL INTO OR OUT OF THE PROPERTY SHALL BE COVERED.

VISIBLY DRY DISTURBED SOIL SURFACE AREAS:
ALL VISIBLY DRY DISTURBED SOIL SURFACE AREAS OF OPERATION SHALL BE WATERED TO MINIMIZE DUST EMISSIONS.

PAVED ROAD TRACK–OUT:
PAVED ROADS SHALL BE CLEANED IF THE AMOUNT OF DIRT TRACKED–OUT OF THE OPERATION AREA HAS THE POTENTIAL TO CAUSE DUST EMISSIONS.

VISIBLY DRY DISTURBED UNPAVED DRIVEWAYS:
ALL VISIBLY DRY DISTURBED UNPAVED DRIVEWAY SURFACE AREAS OF OPERATION SHALL BE WATERED TO MINIMIZE DUST EMISSIONS. UNPAVED DRIVEWAYS MAY BE GRAVELED TO REDUCE DUST EMISSIONS.

VEHICLES ENTERING / EXITING CONSTRUCTION AREA:
VEHICLES ENTERING OR EXITING CONSTRUCTION AREA SHALL TRAVEL AT A SPEED WHICH MINIMIZES DUST EMISSIONS.

EMPLOYEE VEHICLES:
CONSTRUCTION WORKERS PARK IN DESIGNATED PARKING AREA(S) TO HELP REDUCE DUST EMISSIONS.

SOIL PILES:
SOIL PILE SURFACES SHALL BE MOISTENED IF DUST IS BEING EMITTED FROM THE PILE(S). ADEQUATELY SECURED TARPS, PLASTIC OR OTHER MATERIAL MAY BE REQUIRED TO FURTHER REDUCE DUST EMISSIONS.



PROPRIETARY INFORMATION

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CLIENT:

at&t

5001 EXECUTIVE PKWY
SAN RAMON, CA 94583

PROJECT INFORMATION:

PILOT HILL 2
3100 TRIPLE SEVEN RD
COOL, CA 95614

| REV: | DATE: | DESCRIPTION: | BY: |
|---|---|---|---|
| 1 | 6–19–17 | 90% ZONING DOC'S | RB |
| 2 | 8–14–17 | 100% ZONING DOC'S | RB |

COORDINATING ENGINEER:

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SEAL:

REGISTERED PROFESSIONAL ENGINEER
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NO. C 33407
EXP. 06/30/18
CIVIL
STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

EROSION CONTROL NOTES

| SHEET NUMBER: | REVISION: |
|---|---|
| C-2 | 0 |

GRADING STANDARDS

1. GENERAL. UNLESS OTHERWISE RECOMMENDED IN THE APPROVED SOILS ENGINEERING OR ENGINEERING GEOLOGY REPORT, GRADING ACTIVITIES SHALL CONFORM TO THE PROVISIONS OF THIS SECTION.

A. CUT SLOPE. THE SLOPE OF CUT SURFACES SHALL BE NO STEEPER THAN IS SAFE FOR THE INTENDED USE AND SHALL BE NO STEEPER THAN 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL (50% SLOPE) UNLESS THE PERMITTEE FURNISHES A SOILS ENGINEERING OR AN ENGINEERING GEOLOGY REPORT, OR BOTH, STATING THAT THE SITE HAS BEEN INVESTIGATED AND GIVING AN OPINION THAT A CUT AT A STEEPER SLOPE WILL BE STABLE AND NOT CREATE A HAZARD TO PROPERTY OR THE ENVIRONMENT.

B. FILL SLOPE AND PREPARATION

(1) PREPARATION OF GROUND. THE GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, NON-COMPLYING FILL, TOPSOIL AND OTHER UNSUITABLE MATERIALS SCARIFYING TO PROVIDE A BOND WITH THE NEW FILL.

(2) FILL MATERIAL. AMOUNT OF ORGANIC MATERIAL DETRIMENTAL TO STRUCTURAL INTEGRITY SHALL NOT BE PERMITTED IN FILLS. EXCEPT AS PERMITTED BY THE BUILDING OFFICIAL, NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL WITH A MAXIMUM DIMENSION GREATER THAN 12 INCHES (0.31 M) SHALL BE BURIED OR PLACED IN FILLS.

(3) EXCEPTION. THE BUILDING OFFICIAL MAY PERMIT PLACEMENT OF LARGER ROCK WHEN THE SOILS ENGINEER PROPERLY DEVISES A METHOD OF PLACEMENT, AND CONTINUOUSLY INSPECTS ITS PLACEMENT AND APPROVES THE FILL STABILITY. THE FOLLOWING CONDITIONS SHALL ALSO APPLY:

(a) PRIOR TO ISSUANCE OF THE GRADING PERMIT, POTENTIAL ROCK DISPOSAL AREAS SHALL BE SHOWN ON THE GRADING PLAN.

(b) ROCK SIZES GREATER THAN 12 INCHES (0.31 M) IN MAXIMUM DIMENSION SHALL BE 10 FEET (3.05 M) OR MORE BELOW GRADE, MEASURED VERTICALLY.

(c) ROCKS SHALL BE PLACED SO AS TO ASSURE FILLING OF ALL VOIDS WITH WELL-GRADED SOIL.

(4) COMPACTION. ALL FILLS SHALL BE COMPACTED TO A MINIMUM OF 90 PERCENT OF MAXIMUM DRY DENSITY WITH SUFFICIENT TESTING FOR DOCUMENTATION OF COMPLIANCE WITH THIS STANDARD.

(5) SLOPE. THE SLOPE OF FILL SURFACES SHALL BE NO STEEPER THAN IS SAFE FOR THE INTENDED USE. FILL SLOPES SHALL BE NO STEEPER THAN 1 UNIT VERTICAL IN 2 UNITS HORIZONTAL (50% SLOPE).

2. SETBACKS

a. GENERAL. CUT AND FILL SLOPES SHALL BE SET BACK FROM SITE BOUNDARIES IN

b. ACCORDANCE WITH THIS SECTION. SETBACK DIMENSIONS SHALL BE HORIZONTAL DISTANCES MEASURED PERPENDICULAR TO THE SITE BOUNDARY.

c. TOP OF CUT SLOPE. THE TOP OF CUT SLOPES SHALL NOT BE MADE NEARER TO A SITE BOUNDARY LINE THAN A MINIMUM OF 2 FEET. THE SETBACK MAY NEED TO BE INCREASED FOR ANY REQUIRED INTERCEPTOR DRAINS.

d. TOE OF FILL SLOPE. THE TOE OF FILL SLOPE SHALL BE MADE NOT NEARER TO THE SITE BOUNDARY LINE THAN MINIMUM OF 2 FEET. WHERE A FILL SLOPE IS TO BE LOCATED NEAR THE SITE BOUNDARY AND THE ADJACENT OFFSITE PROPERTY IS DEVELOPED, SPECIAL PRECAUTIONS SHALL BE INCORPORATED IN THE WORK AS THE BUILDING OFFICIAL DEEMS NECESSARY TO PROTECT THE ADJOINING PROPERTY FROM DAMAGE AS A RESULT OF SUCH GRADING. THESE PRECAUTIONS MAY INCLUDE BUT ARE NOT LIMITED TO:

(1) ADDITIONAL SETBACKS.

(2) PROVISION FOR RETAINING, OR SLOUGH WALLS.

(3) MECHANICAL OR CHEMICAL TREATMENT OF THE FILL SLOPE SURFACE TO MINIMIZE EROSION.

(4) PROVISIONS FOR THE CONTROL OF SURFACE WATERS.

e. MODIFICATION OF SETBACKS. THE BUILDING OFFICIAL MAY APPROVE ALTERNATE SETBACKS.THE BUILDING OFFICIAL MAY REQUIRE AN INVESTIGATION AND RECOMMENDATION BY A QUALIFIED ENGINEER OR ENGINEERING GEOLOGIST TO DEMONSTRATE THAT THE INTENT OF THIS SECTION HAS BEEN SATISFIED.

3. MAINTENANCE REQUIRED. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR ADEQUATELY MAINTAINING ALL DRAINAGE FACILITIES INSTALLED PURSUANT TO THIS SECTION.

4. GRADING INSPECTION

A. GENERAL. GRADING OPERATIONS FOR WHICH A PERMIT IS REQUIRED SHALL BE SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL.

B. PERMITTEE. THE PERMITTEE SHALL BE RESPONSIBLE FOR THE WORK TO BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND IN CONFORMANCE WITH THE PROVISIONS OF THIS CODE, AND THE PERMITTEE SHALL ENGAGE CONSULTANTS, IF REQUIRED, TO PROVIDE PROFESSIONAL INSPECTIONS ON A TIMELY BASIS. THE PERMITTEE SHALL ACT AS A COORDINATOR BETWEEN THE CONSULTANTS, THE CONTRACTOR AND THE BUILDING OFFICIAL. IN THE EVENT OF CHANGED CONDITIONS, THE PERMITTEE SHALL BE RESPONSIBLE FOR INFORMING THE BUILDING OFFICIAL OF SUCH CHANGE AND SHALL PROVIDE REVISED PLANS FOR APPROVAL.

C. BUILDING OFFICIAL. THE BUILDING OFFICIAL SHALL INSPECT THE PROJECT AT THE VARIOUS STAGES OF WORK REQUIRING APPROVAL TO DETERMINE THAT ADEQUATE CONTROL IS BEING EXERCISED BY THE PROFESSIONAL CONSULTANTS.

D. NOTIFICATION OF NONCOMPLIANCE. IF, IN THE COURSE OF FULFILLING THEIR RESPECTIVE DUTIES UNDER THIS CHAPTER, THE CIVIL ENGINEER, THE SOILS ENGINEER OR THE ENGINEERING GEOLOGIST FINDS THAT THE WORK IS NOT BEING DONE IN CONFORMANCE WITH THIS CHAPTER OR THE APPROVED GRADING PLANS, THE DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE PERMITTEE AND TO THE BUILDING OFFICIAL.

E. TRANSFER OF RESPONSIBILITY. IF THE CIVIL ENGINEER, THE SOILS ENGINEER. OR THE ENGINEERING GEOLOGIST OF RECORD IS CHANGED DURING GRADING, THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT HAS AGREED IN WRITING TO ACCEPT THEIR RESPONSIBILITY WITHIN THE AREA OF TECHNICAL COMPETENCE FOR APPROVAL UPON COMPLETION OF THE WORK. IT SHALL BE THE DUTY OF THE PERMITTEE TO NOTIFY THE BUILDING OFFICIAL IN WRITING OF SUCH CHANGE PRIOR TO THE RE-COMMENCEMENT OF SUCH GRADING.

5. EROSION AND SEDIMENTATION CONTROL

A. ADMINISTRATION

(1) THE EROSION AND SEDIMENT CONTROL PROVISIONS OF THIS SECTION SHALL BE APPLICABLE TO ALL FACILITIES AND ACTIVITIES UNDER THE SUPERVISION OF THE DIRECTOR OF THE DEPARTMENT OF PUBLIC WORKS.

(2) THE ADMINISTRATION OF THIS SECTION, AS IT AFFECTS COUNTY FACILITIES AND ACTIVITIES, IS THE RESPONSIBILITY OF THE DIRECTOR OF THE DEPARTMENT OF PUBLIC WORKS.

(3) THE ADMINISTRATION OF THIS SECTION AS IT AFFECTS OTHER BUILDING, GRADING, AND RELATED ACTIVITIES IS THE RESPONSIBILITY OF THE CHIEF BUILDING OFFICIAL.

(4) ANY SOILS OR GEOLOGIC REPORTS PREPARED FOR ANY PROJECT WHERE A GRADING PERMIT IS SUBMITTED AS A PART OF A TENTATIVE SUBDIVISION MAP APPLICATION, OR RELATED ENVIRONMENTAL DOCUMENT, SHALL BE PLACED IN THE RECORDS OF THE CHIEF BUILDING OFFICIAL.

B. EROSION AND SEDIMENTATION CONTROL. THESE MINIMUM EROSION AND SEDIMENTATION CONTROL STANDARDS SHALL APPLY TO ALL PROJECTS REQUIRING BUILDING, GRADING, AND DEVELOPMENT PERMITS, AND COUNTY OF MENDOCINO PUBLIC WORKS ACTIVITIES, TO PREVENT SEDIMENTATION OR DAMAGE TO ONSITE AND OFFSITE PROPERTY. THESE STANDARDS SHALL BE INCORPORATED INTO THE PROJECT DESIGN AND SHALL BE ADHERED TO DURING PROJECT CONSTRUCTION:

(1) GENERAL GUIDELINES

(a) MINIMIZE SOIL EXPOSURE DURING THE RAINY SEASON BY PROPER TIMING OF GRADING AND CONSTRUCTION.

(b) RETAIN TREES AND NATURAL VEGETATION TO STABILIZE HILLSIDES, RETAIN MOISTURE, REDUCE EROSION, MINIMIZE SILTATION AND NUTRIENT RUNOFF AND PRESERVE SCENIC QUALITIES.

(c) VEGETATE AND MULCH DENUDED AREAS TO PROTECT THEM FROM WINTER RAINS.

(d) DIVERT RUNOFF AWAY FROM STEEP, DENUDED SLOPES OR OTHER CRITICAL AREAS WITH BARRIERS, BERMS, DITCHES OR OTHER FACILITIES.

(e) LIMIT CONSTRUCTION, CLEARING OF VEGETATION AND DISTURBANCE OF THE SOIL TO AREAS OF PROVEN STABILITY. MITIGATE GEOLOGIC HAZARDS AND ADVERSE SOIL CONDITIONS WHEN THEY ARE ENCOUNTERED.

(f) REDUCE SEDIMENT TRANSPORT OFF THE SITE TO THE MAXIMUM EXTENT FEASIBLE THROUGH THE USE OF BEST MANAGEMENT PRACTICES (BMPS).

(g) PROPOSE A NEW OR MODIFIED EROSION AND SEDIMENT CONTROL TECHNIQUE IF THE TECHNIQUE IS PREFERRED AND MEETS THE INTENT OF THESE REGULATIONS. OBTAIN APPROVAL FROM THE COUNTY PRIOR TO IMPLEMENTATION.

(h) CONDUCT FREQUENT SITE INSPECTIONS TO ENSURE THAT CONTROL MEASURES ARE WORKING PROPERLY AND TO CORRECT PROBLEMS AS NEEDED.

(i) EMPLOY OTHER MEANS OF EROSION AND SEDIMENT CONTROL AS REQUIRED BY THE CHIEF BUILDING OFFICIAL OR DIRECTOR OF THE DEPARTMENT OF PUBLIC WORKS AS APPLICABLE.

(2) SEDIMENT CONTROL

(a) USE SEDIMENT BASINS, SILT TRAPS, OR SIMILAR MEASURE TO RETAIN SEDIMENT TRANSPORTED BY RUNOFF WATER ONSITE.

(b) COLLECT AND DIRECT SURFACE RUNOFF AT NON-EROSIVE VELOCITIES TO THE COMMON NATURAL WATERCOURSE OF THE DRAINAGE AREA.

(c) AVOID CONCENTRATING SURFACE WATER ANYWHERE EXCEPT SWALES OR WATERCOURSES.

(d) PREVENT MUD FROM BEING TRACKED ONTO THE PUBLIC ROADWAY BY TRAVELING OVER A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE OR WASHING OFF VEHICLE TIRES BEFORE ENTERING A PUBLIC OR PRIVATE DRIVEWAY.

(3) SLOPE CONSTRUCTION

(a) MINIMIZE LENGTH AND STEEPNESS OF SLOPES BY BENCHING, TERRACING OR CONSTRUCTING DIVERSION STRUCTURES.

(b) PRESERVE, MATCH, OR BLEND CUTS AND FILLS WITH THE NATURAL CONTOURS AND UNDULATIONS OF THE LAND.

(c) ROUND SHARP ANGLES AT THE TOP AND SIDES OF CUT AND FILL SLOPES.

(d) MAINTAIN CUT AND FILL SLOPES AT LESS THAN TWO-TO-ONE (2:1, RUN:RISE) SLOPE UNLESS A GEOLOGICAL AND ENGINEERING ANALYSIS INDICATES THAT STEEPER SLOPES ARE SAFE AND EROSION AND SEDIMENT CONTROL MEASURES CAN SUCCESSFULLY PREVENT EROSION.

(4) PROTECTION OF WATERCOURSES AND DRAINAGE INLETS

(a) PREPARE DRAINAGEWAYS TO HANDLE CONCENTRATED OR INCREASED RUNOFF FROM DISTURBED AREAS BY USING APPROPRIATE LINING MATERIALS OR ENERGY ABSORBING DEVICES TO REDUCE THE VELOCITY OF RUNOFF WATER.

(b) TRAP SEDIMENT-LADEN RUNOFF IN BASINS TO ALLOW SOIL PARTICLES TO SETTLE OUT BEFORE FLOWS ARE RELEASED TO RECEIVING WATERS, STORM DRAINS, STREETS OR ADJACENT PROPERTY. THIS STANDARD IS NOT MANDATORY FOR GRADING THE SITE IS FULLY WINTERIZED AND STABILIZED PRIOR TO AND WHEN CONDUCTED BETWEEN APRIL 15 AND OCTOBER 15 OCTOBER 15. REMOVE TRAPPED SEDIMENT TO A SUITABLE LOCATION ON-SITE OR AT A DISPOSAL SITE APPROVED BY THE COUNTY.

(c) DO NOT GRADE OR DRIVE EQUIPMENT IN A STREAMSIDE MANAGEMENT OR OTHER WET AREAS EXCEPT AS ALLOWED THROUGH THE COUNTY STREAMSIDE MANAGEMENT AREA ORDINANCE.

(d) DEPOSIT OR STORE EXCAVATED MATERIALS AWAY FROM WATERCOURSES.

(e) PROTECT ALL EXISTING OR NEWLY INSTALLED STORM DRAINAGE STRUCTURES FROM SEDIMENT CLOGGING.

(f) (F) USE STRAW BALES, FILTER FABRIC WRAPS AND DRAINAGE INLET PROTECTIONS IN A MANNER THAT DOES NOT CAUSE ADDITIONAL EROSION OR FLOODING OF A ROADWAY.

(5) DISPOSAL OF EXCAVATED MATERIALS

(a) STOCKPILE TOPSOIL ON THE SITE FOR USE ON AREAS TO BE REVEGETATED.

(b) PLACE STOCKPILED SOIL IN LOCATIONS, SO THAT IF EROSION OCCURS, IT WILL NOT CONTRIBUTE TO OFFSITE SEDIMENT DISCHARGE.

(c) PROTECT STOCKPILED SOIL PROMPTLY THROUGH THE USE OF APPROPRIATE BMPS TO REDUCE THE RISK OF EROSION AND SEDIMENT TRANSPORT. APPLY MULCH OR OTHER PROTECTIVE COVERINGS ON STOCKPILED MATERIAL THAT WILL BE EXPOSED THROUGH THE WINTER SEASON.

(d) DISPOSE OF EXCAVATED MATERIAL NOT USED AT THE SITE AT A LOCATION APPROVED BY THE COUNTY.

(6) DUST CONTROL

(a) ALL CONSTRUCTION AREAS, INCLUDING DISPOSAL SITES, SHALL BE TREATED AND MAINTAINED AS NECESSARY TO MINIMIZE THE EMISSION OF DUST. MAINTENANCE SHALL BE CONDUCTED AS NECESSARY TO PREVENT A NUISANCE TO OFFSITE PROPERTIES.

(b) ALL CONSTRUCTION SITES, INCLUDING DRIVEWAYS, SHALL BE MAINTAINED AS NECESSARY TO MINIMIZE THE EMISSION OF DUST AND PREVENT THE CREATION OF A NUISANCE TO ADJACENT PROPERTIES.

(7) REVEGETATION

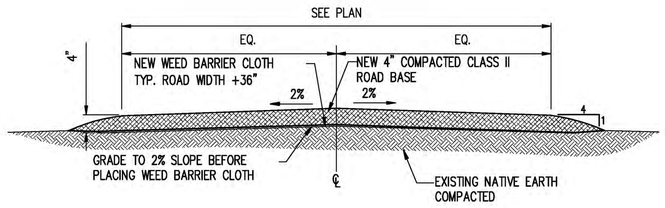
(a) APPLY TEMPORARY SEEDING AND MULCHING TO DENUDED AREAS PRIOR TO OCTOBER 15 UNLESS THE PROJECT IS CONDITIONED OTHERWISE.

(b) ESTABLISH A PERMANENT VEGETATIVE COVER ON DENUDED AREAS NOT OTHERWISE STABILIZED. PERMANENT VEGETATION GROUND COVER MUST CONTROL SOIL EROSION SATISFACTORILY AND SURVIVE SEVERE WEATHER CONDITIONS.

(c) RETAIN A VEGETATIVE BARRIER WHENEVER POSSIBLE AROUND PROPERTY BOUNDARIES.

(d) USE SELF-SUSTAINING, NON-INVASIVE PLANTS THAT REQUIRE LITTLE OR NO MAINTENANCE AND DO NOT CREATE AN EXTREME FIRE HAZARD.

(e) USE NATIVE PLANT SPECIES WHENEVER FEASIBLE.




*TYP. GRAVEL ROAD SECTION* | SCALE: N.T.S. | 1

PROPRIETARY INFORMATION

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CLIENT:

at&t

5001 EXECUTIVE PKWY
SAN RAMON, CA 94583

PROJECT INFORMATION:

**PILOT HILL 2**

3100 TRIPLE SEVEN RD
COOL, CA 95614

| REV: | DATE: | DESCRIPTION: | BY: |
|---|---|---|---|
| 1 | 6-19-17 | 90% ZONING DOC'S | RB |
| 2 | 8-14-17 | 100% ZONING DOC'S | RB |

COORDINATING ENGINEER:

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SEAL:

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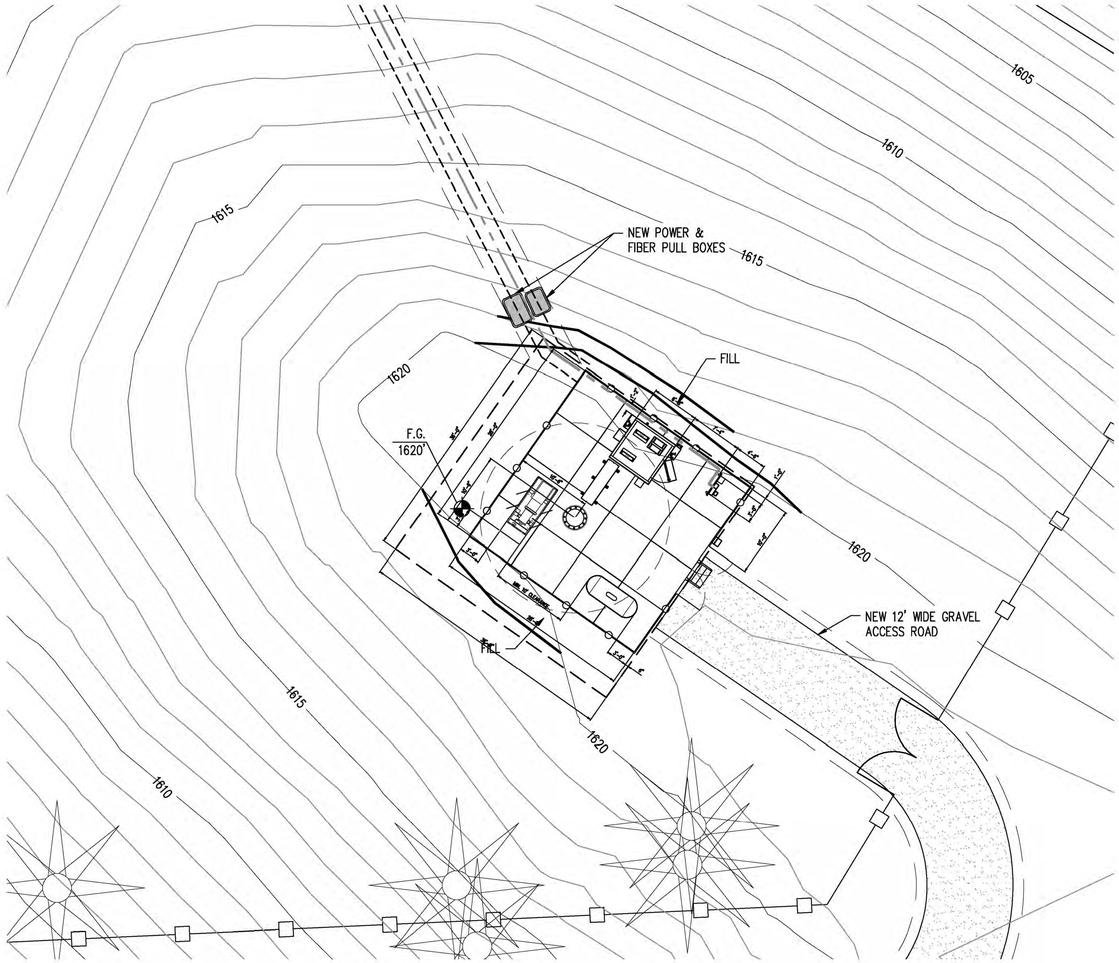
EXP. 06/30/18
CIVIL
STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

*GRADING NOTES & DETAILS*

| SHEET NUMBER: | REVISION: |
|---|---|
| C-3 | 0 |




*PRELIMINARY GRADING PLAN*

TRUE NORTH

0 5' 10' 20' 40'

SCALE: 1"=10'-0"

1

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3100 TRIPLE SEVEN RD
COOL, CA 95614

| REV: | DATE: | DESCRIPTION: | BY: |
|---|---|---|---|
| 1 | 6-19-17 | 90% ZONING DOC'S | RB |
| 2 | 8-14-17 | 100% ZONING DOC'S | RB |

COORDINATING ENGINEER:


*Peek Site-Com*
12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitecom.com


SEAL:

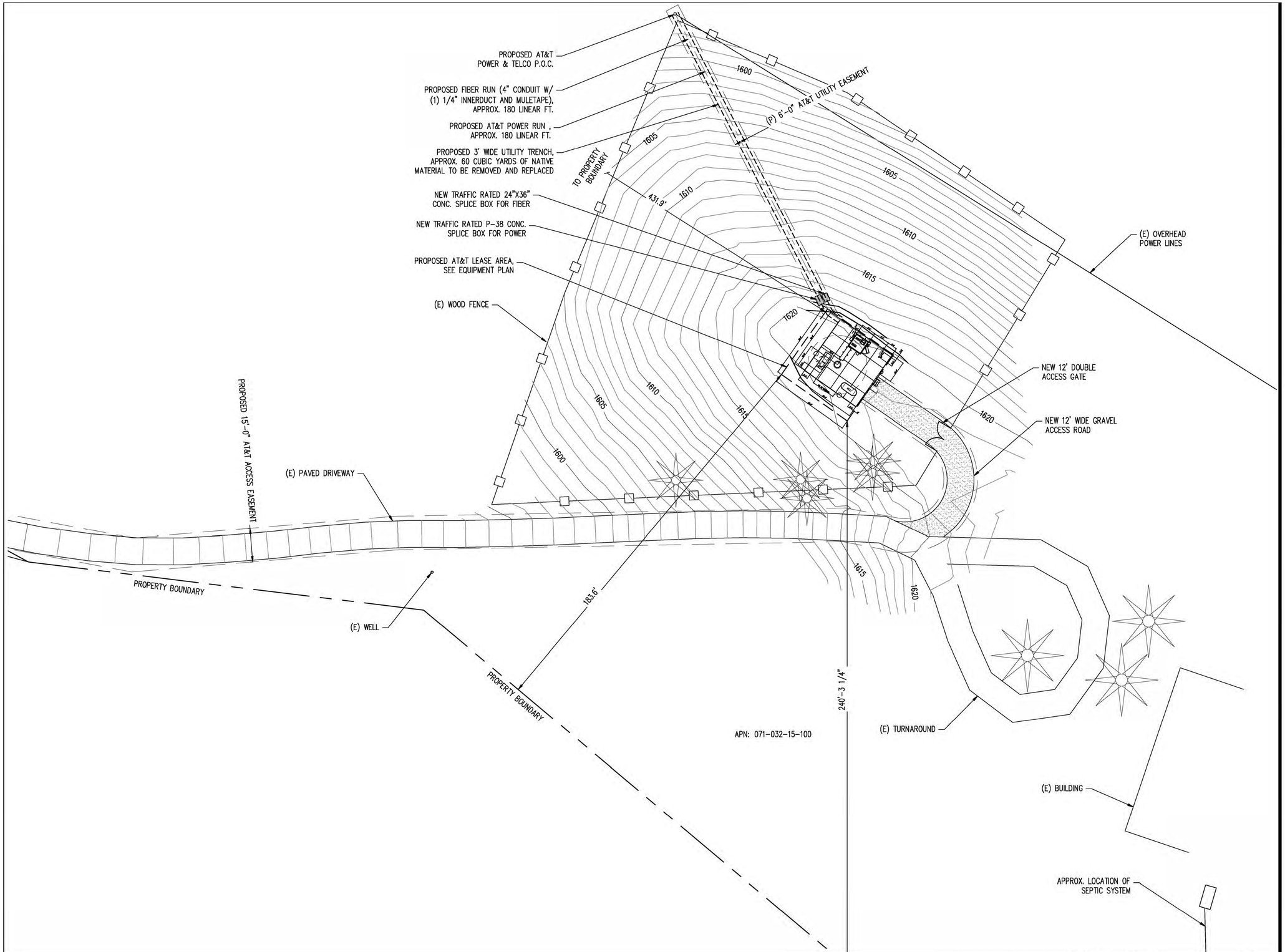
REGISTERED PROFESSIONAL ENGINEER
CHRIS OLIVEIRA
NO. C 33407
EXP. 06/30/18
CIVIL
STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

*GRADING PLAN*

| SHEET NUMBER: | REVISION: |
|---|---|
| C-4 | 0 |




PROPRIETARY INFORMATION

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CLIENT:

at&t

5001 EXECUTIVE PKWY
SAN RAMON, CA 94583

PROJECT INFORMATION:

## PILOT HILL 2

3100 TRIPLE SEVEN RD
COOL, CA 95614

| REV: | DATE: | DESCRIPTION: | BY: |
|---|---|---|---|
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EXP. 06/30/18
CIVIL
STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

*SITE PLAN*

| SHEET NUMBER: | REVISION: |
|---|---|
| A-1 | 0 |


KEY NOTES

1. NEW 6'-8"X6'-8" LIGHTWEIGHT PRE-FAB "WIC" EQUIPMENT SHELTER
2. (1) NEW GPS ANTENNA
3. NEW 200A ELEC. PANEL, PROVIDED WITH SHELTER
4. TELCO BOX, PROVIDED WITH SHELTER
5. NEW D/C POWER PLANT, PROVIDED WITH SHELTER
6. NEW 23" FIF RACK, PROVIDED WITH SHELTER, TYP. OF (2)
7. NEW HEAVY DUTY METAL CABLE TRAY LID W/ CONC. SLEEPERS EVERY 4'
8. NEW MONOPINE
9. NEW 500 GAL LP PROPANE TANK ON NEW CONC. SLAB
10. NEW 35 KW GENERAC BACK-UP GENERATOR
11. NEW 6'-0" CHAIN LINK FENCE W/ VINYL SLATS
12. NEW 8' WIDE DOUBLE ACCESS GATE
13. NEW GRAVEL ROAD
14. NEW U/G POWER AND TELCO CONDUITS
15. NEW CAMLOCK GENERATOR INTERFACE
16. NEW TRAFFIC RATED 24"X36" CONC. SPLICE BOX FOR FIBER
17. NEW TRAFFIC RATED P-38 CONC. SPLICE BOX FOR POWER
18. NEW UTILITY RACK
19. NEW 2A:20BC RATED FIRE EXTINGUISHER IN WEATHER RESISTANT CABINET
20. 24' MAX BRANCH DIAMETER AT BASE OF POLE
21. NEW HVAC, PROVIDED WITH SHELTER
22. NEW OUTDOOR LIGHTS PROVIDED WITH SHELTER, W/ TIMER AND MOTION SENSOR
23. NEW CELL BLOCK FOUNDATION
24. NEW AT&T 36'X36' LEASE AREA
25. NEW FIRE DEPT. KNOX BOX
26. NEW CARRIER CONTACT SIGNAGE AT GATE
27. NEW CIENA WITHIN FIF RACK
28. NEW 200A METER MAIN
29. NEW SOUND BLANKET BBC-13X, 1.2 LBS. PSF MIN. OR EQUAL SOUND BLANKET AT INTERIOR SIDE OF FENCE

EQUIPMENT PLAN

TRUE NORTH

0 2' 4' 8' 12'

SCALE: 1/4"=1'-0"

1

PROPRIETARY INFORMATION

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SAN RAMON, CA 94583

PROJECT INFORMATION:

# PILOT HILL 2

3100 TRIPLE SEVEN RD
COOL, CA 95614

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CIVIL
STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

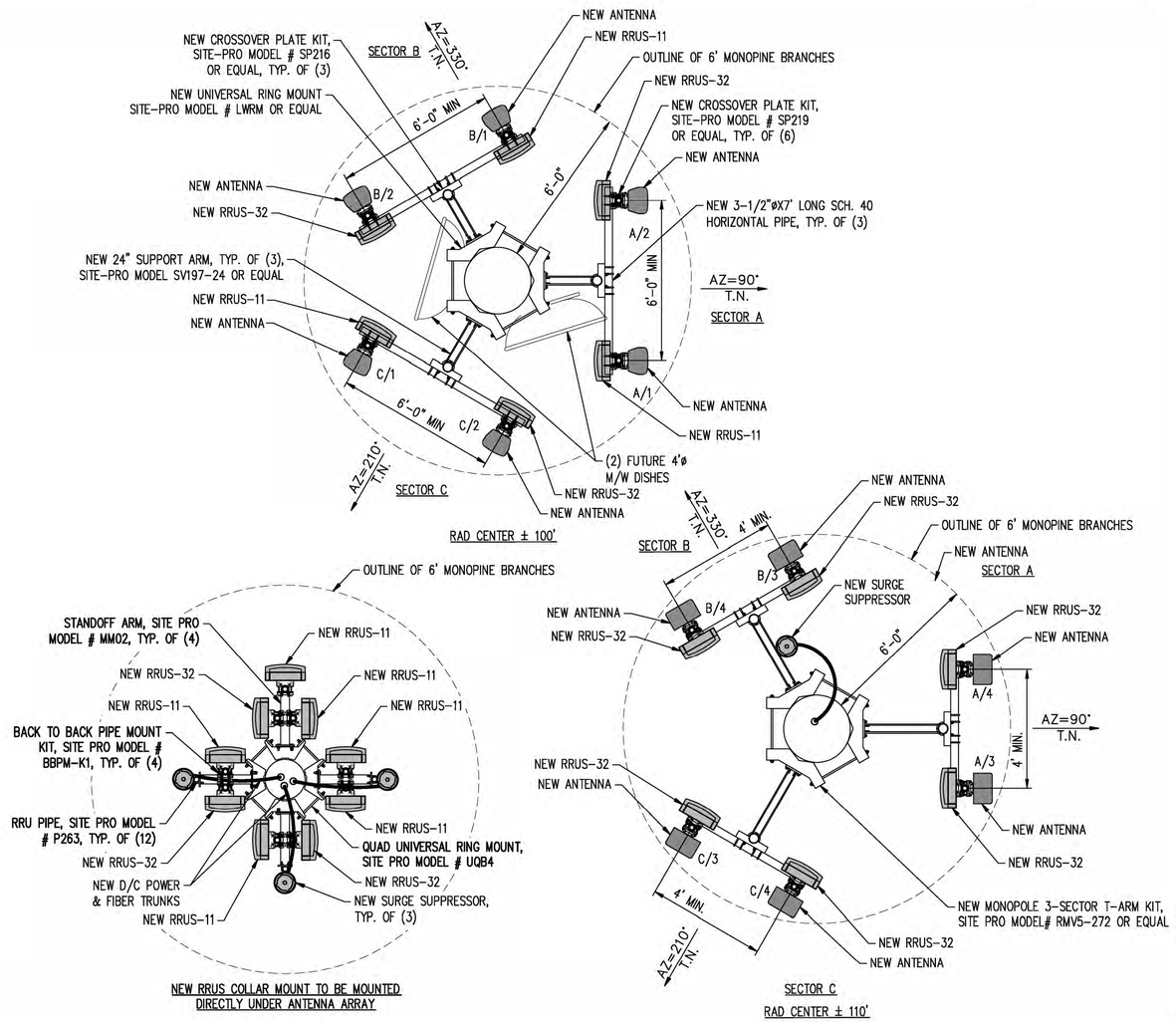
EQUIPMENT PLAN

| SHEET NUMBER: | REVISION: |
|---|---|
| A-2 | 0 |

## RF SCHEDULE

| SECTOR/POS. | ANTENNA MODEL | RAD CENTER | PHYSICAL AZIMUTH | RRU | TMA | FIBER LENGTH | COAX LENGTH | COAX DIA. | NO. |
|---|---|---|---|---|---|---|---|---|---|
| A/1 | QS6656-3 | ± 110' | 90° | (1) RRUS-11 & (1) RRUS-32 B2 | N/A | ± 160' | ± N/A | N/A | - |
| A/2 | QS6658-3 | ± 110' | 90° | (1) RRUS-11, (1) RRUS-12 & (1) RRUS-32 B66 | N/A | ± 160' | ± N/A | N/A | - |
| A/3 | HBSA-M65R-KU-H6 | ± 100' | 90° | (1) RRUS-32 B30 | N/A | ± 170' | ± N/A | N/A | - |
| A/4 | HBSA-M65R-KU-H6 | ± 100' | 90° | (1) RRUS-32 B30 | N/A | ± 170' | ± N/A | N/A | - |
| B/1 | QS6656-3 | ± 110' | 330° | (1) RRUS-11 & (1) RRUS-32 B2 | N/A | ± 160' | ± N/A | N/A | - |
| B/2 | QS6658-3 | ± 110' | 330° | (1) RRUS-12 & (1) RRUS-32 B66 | N/A | ± 160' | ± N/A | N/A | - |
| B/3 | HBSA-M65R-KU-H6 | ± 100' | 330° | (1) RRUS-11 | N/A | ± 170' | ± N/A | N/A | - |
| B/4 | HBSA-M65R-KU-H6 | ± 100' | 330° | (1) RRUS-32 B30 | N/A | ± 170' | ± N/A | N/A | - |
| C/1 | QS6656-3 | ± 110' | 210° | (1) RRUS-11 & (1) RRUS-32 B2 | N/A | ± 160' | ± N/A | N/A | - |
| C/2 | QS6658-3 | ± 110' | 210° | (1) RRUS-12 & (1) RRUS-32 B66 | N/A | ± 160' | ± N/A | N/A | - |
| C/3 | HBSA-M65R-KU-H6 | ± 100' | 210° | (1) RRUS-11 | N/A | ± 170' | ± N/A | N/A | - |
| C/4 | HBSA-M65R-KU-H6 | ± 100' | 210° | (1) RRUS-32 B30 | N/A | ± 170' | ± N/A | N/A | - |

*RF SCHEDULE* | SCALE: N.T.S. | 1




*ANTENNA PLAN* | TRUE NORTH | 0 1' 2' 4' 6' SCALE: 1/2"=1'-0" | 2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CLIENT:

at&t

5001 EXECUTIVE PKWY
SAN RAMON, CA 94583

PROJECT INFORMATION:

**PILOT HILL 2**

3100 TRIPLE SEVEN RD
COOL, CA 95614

| REV: | DATE: | DESCRIPTION: | BY: |
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SEAL:

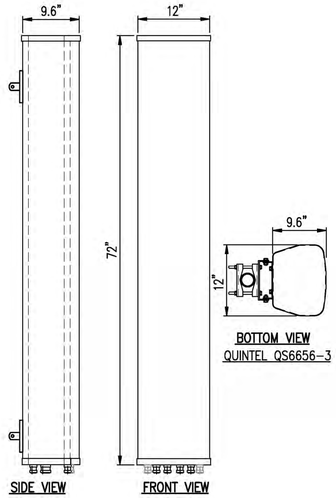
REGISTERED PROFESSIONAL ENGINEER CHRIS OLIVETTI NO. C 33407 EXP. 06/30/18 CIVIL STATE OF CALIFORNIA

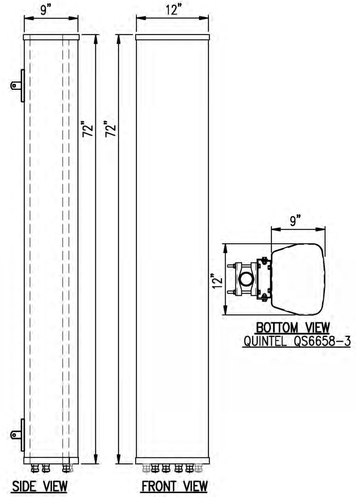
| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

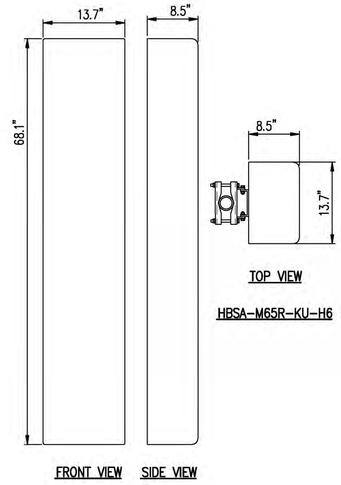
SHEET TITLE:

*ANTENNA PLAN*

| SHEET NUMBER: | REVISION: |
|---|---|
| A-3 | 0 |

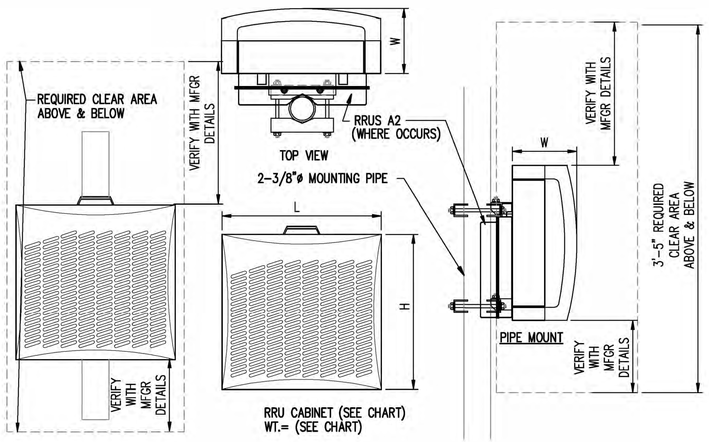



## ANTENNA DETAIL

SCALE: N.T.S. | 1

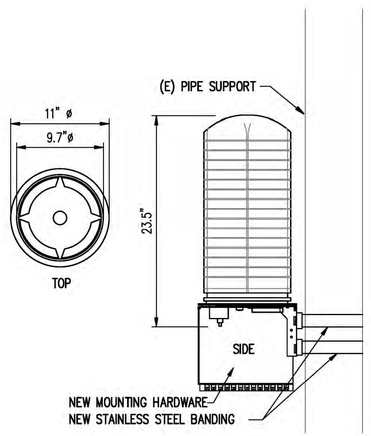



| TYPE | LENGTH | HEIGHT | WIDTH | WEIGHT |
|---|---|---|---|---|
| RRU-11 | 17.8" | 17.3" | 7.19" | 50 LBS |
| RRUS-E2 | 20.4" | 18.5" | 7.5" | 50 LBS |
| RRUS-32 | 29.9" | 13.3" | 9.5" | 60 LBS |
| RRU-12 | 20.4" | 18.5" | 7.5" | 50 LBS |
| A2 | 12.8" | 15" | 3.5" | 21 LBS |

NOTE: SEE RF SHEET FOR RRU PLACEMENT

## RRU DETAIL

SCALE: N.T.S. | 3




## SURGE SUPPRESSOR DETAIL

SCALE: N.T.S. | 2

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SAN RAMON, CA 94583

PROJECT INFORMATION:

**PILOT HILL 2**

3100 TRIPLE SEVEN RD
COOL, CA 95614

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EXP. 06/30/18
CIVIL
STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

*DETAILS*

| SHEET NUMBER: | REVISION: |
|---|---|
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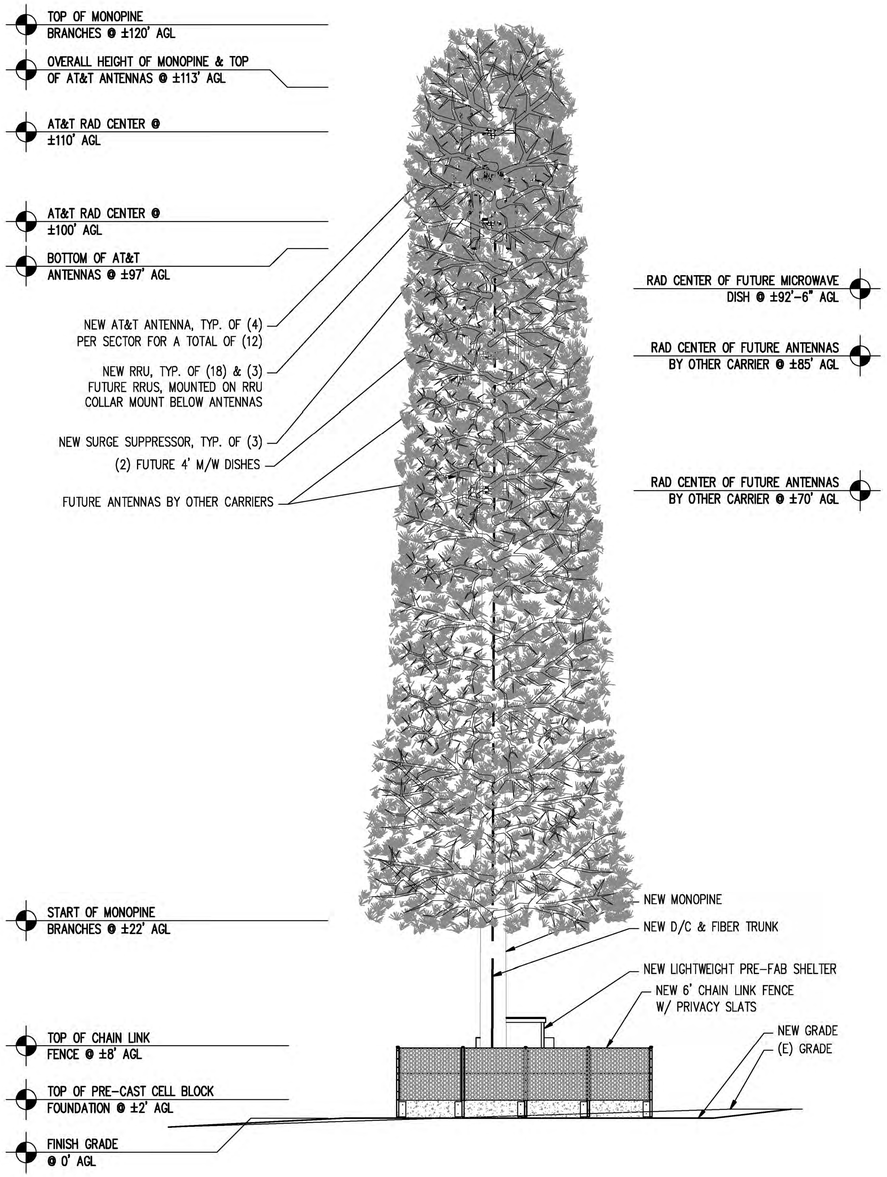


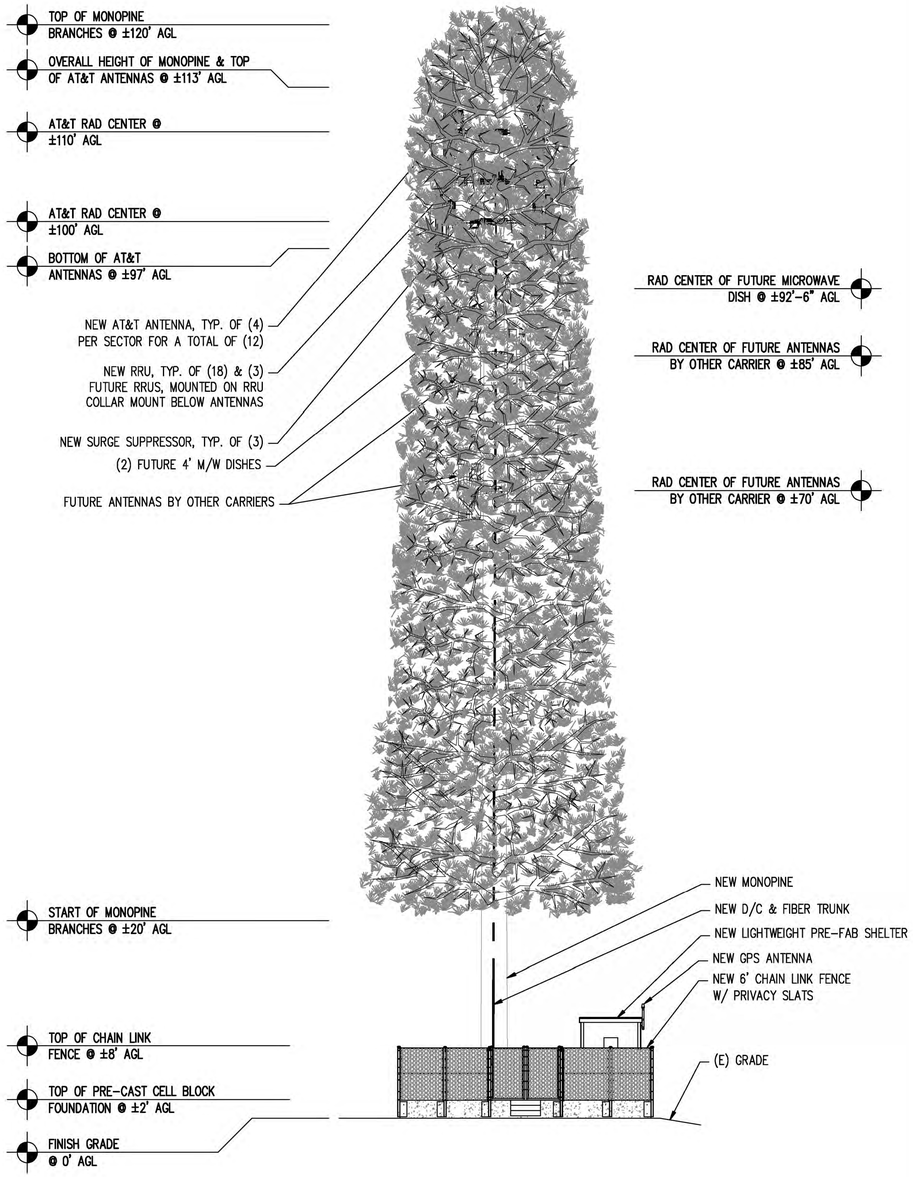

SOUTHWEST ELEVATION

0 4' 8' 16' 24'

SCALE: 1/8"=1'-0"

2

NOTE:
1. BROADLEAF BRANCHES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY AND ARE NOT TO SCALE.
2. TRUNK TO BE PAINTED KELLEY MOOR LOG CABIN BROWN OR EQUAL.
3. ANTENNAS TO BE CONCEALED WITH ANTENNAS SOCKS
4. RRUS TO BE PAINTED BROWN




SOUTHEAST ELEVATION

0 4' 8' 16' 24'

SCALE: 1/8"=1'-0"

1

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# PILOT HILL 2

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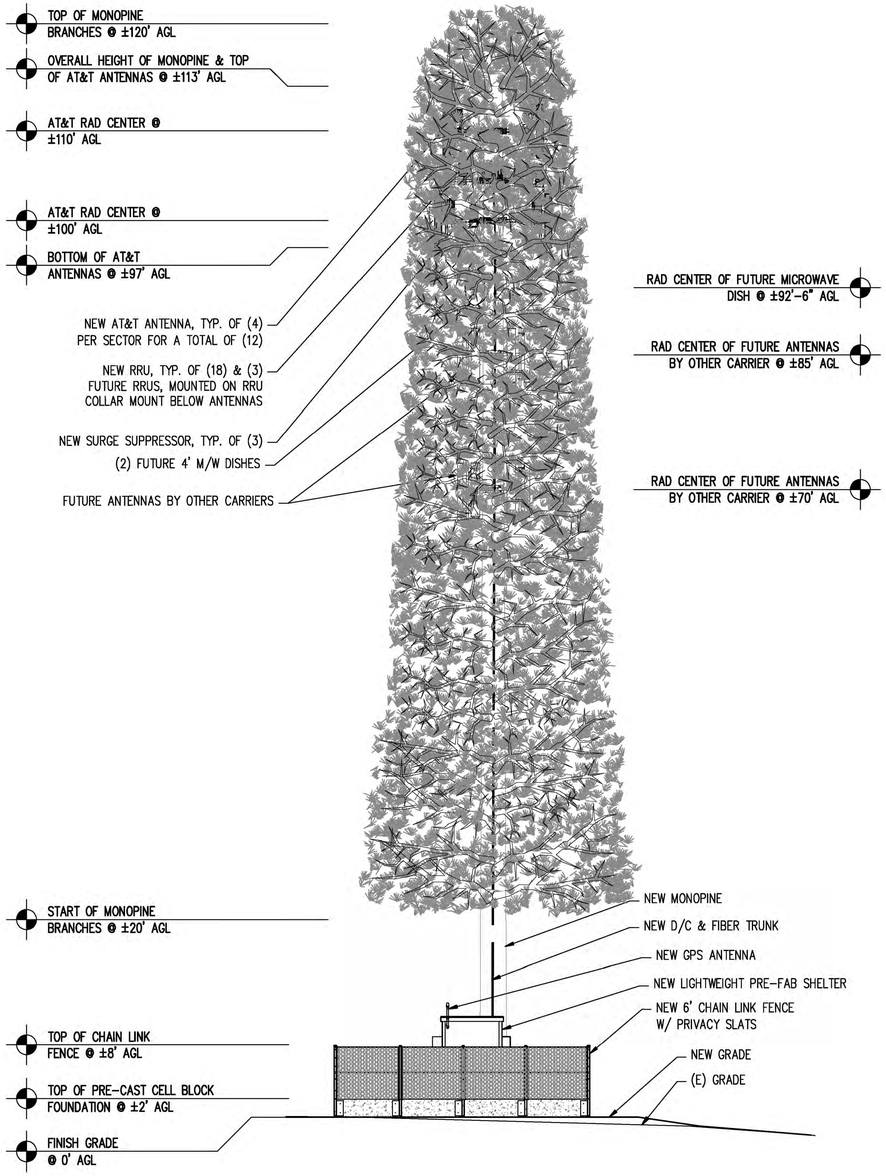
STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

ELEVATIONS

| SHEET NUMBER: | REVISION: |
|---|---|
| A-4 | 0 |



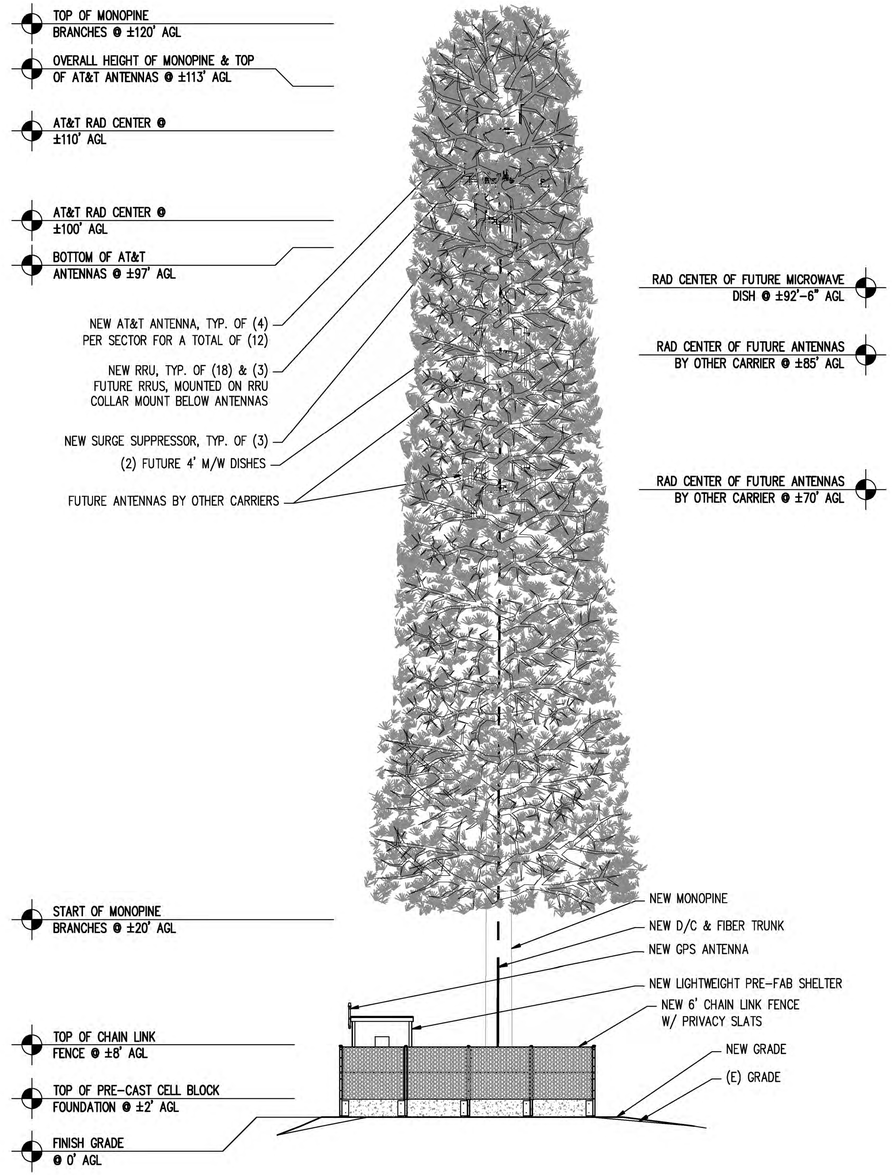

*NORTHEAST ELEVATION*

0 4' 8' 16' 24'

SCALE: 1/8"=1'-0"

2

NOTE:
1. BROADLEAF BRANCHES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY AND ARE NOT TO SCALE.
2. TRUNK TO BE PAINTED KELLEY MOOR LOG CABIN BROWN OR EQUAL.
3. ANTENNAS TO BE CONCEALED WITH ANTENNAS SOCKS
4. RRUS TO BE PAINTED BROWN




*NORTHWEST ELEVATION*

0 4' 8' 16' 24'

SCALE: 1/8"=1'-0"

1

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EXP. 06/30/18
CIVIL
STATE OF CALIFORNIA

| SITE #: | CHK.: | DRAWN BY: |
|---|---|---|
| CVL03175 | ... | RB |

SHEET TITLE:

*ELEVATIONS*

| SHEET NUMBER: | REVISION: |
|---|---|
| A-4.1 | 0 |

AT&T Wireless

CVL03175 Pilot Hill 2
3100 Triple Seven Road, Cool, CA
**Photosims Produced on 7-21-2017**


AdvanceSim
Photo Simulation Solutions
Contact ( 925 ) 202-8507

**Exhibit G**
**Site 1 Cool (formerly Pilot Hill 2)**

Shot Point Map

Existing

Proposed


*view from Triple Seven Road looking east at site*

AT&T Wireless

*CVL03175 Pilot Hill 2*
*3100 Triple Seven Road, Cool, CA*
***Photosims Produced on 7-21-2017***

AdvanceSim
Photo Simulation Solutions
Contact ( 925 ) 202-8507

## Existing

## Proposed


*view from Georgetown Road looking southwest at site*

AT&T Wireless

*CVL03175 Pilot Hill 2*
*3100 Triple Seven Road, Cool, CA*
***Photosims Produced on 7-21-2017***

AdvanceSim
Photo Simulation Solutions
Contact ( 925 ) 202-8507

## Existing

## Proposed


*view from Paymaster Trail looking southeast at site*

AT&T Wireless

*CVL03175 Pilot Hill 2*
*3100 Triple Seven Road, Cool, CA*
***Photosims Produced on 7-21-2017***

AdvanceSim
Photo Simulation Solutions
Contact ( 925 ) 202-8507

## Existing

## Proposed


*view from Ahwahnee Way looking northwest at site*

AT&T Wireless

*CVL03175 Pilot Hill 2*
*3100 Triple Seven Road, Cool, CA*
***Photosims Produced on 7-21-2017***

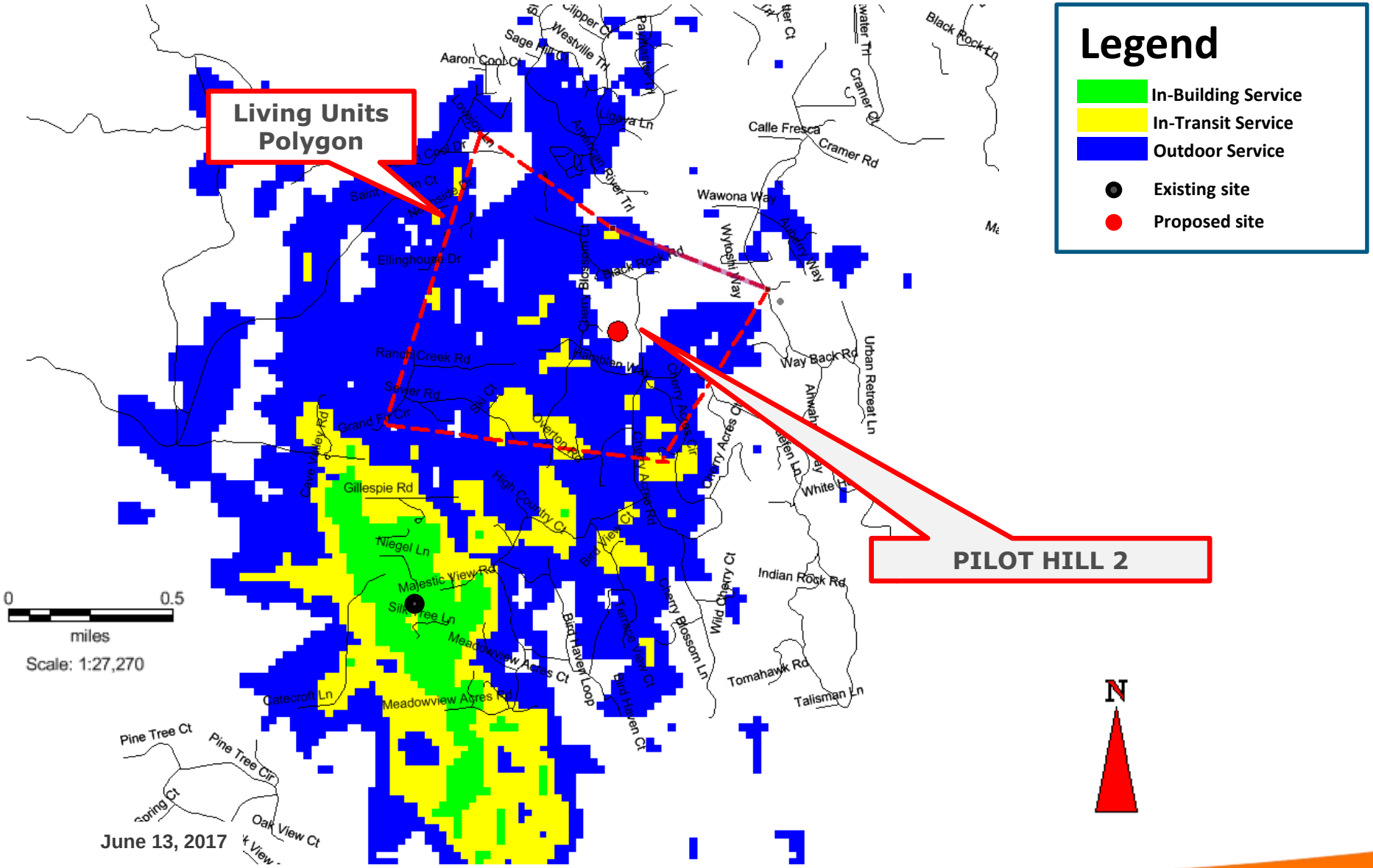
AdvanceSim
Photo Simulation Solutions
Contact ( 925 ) 202-8507

# CVL03175 Zoning Propagation Map

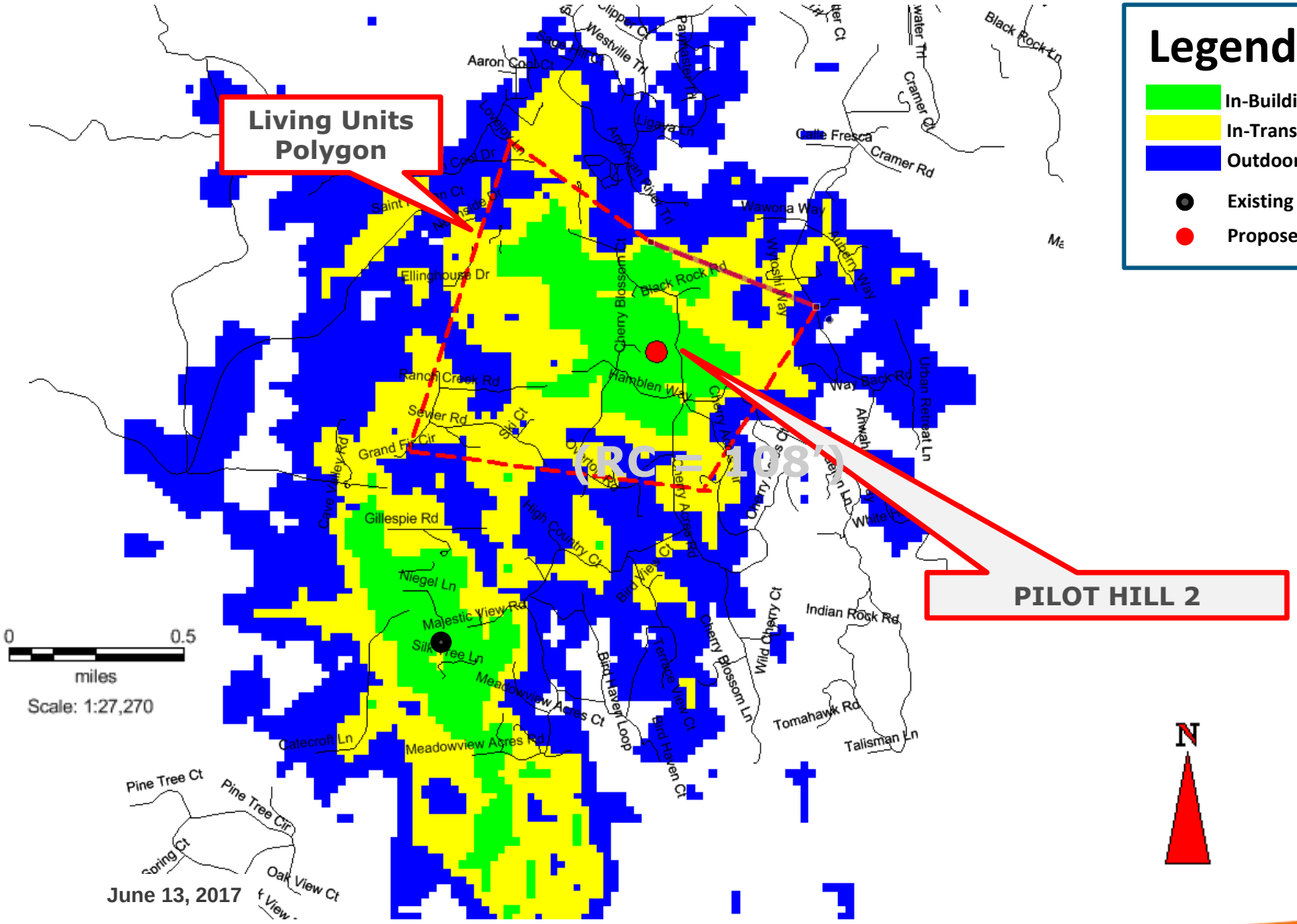
June 13, 2017

**Exhibit H**
**Site 1 Cool (formerly Pilot Hill 2)**

# Existing LTE 700 Coverage (RC = 108')



# Proposed LTE 700 Coverage (RC = 108')



# Radio Frequency Emissions Compliance Report For AT&T Mobility

| | | | |
|---|---|---|---|
| **Site Name:** | **Pilot Hill 2** | **Site Structure Type:** | **Monopine** |
| **Address:** | **3100 Triple Seven Road** | **Latitude:** | **N38-53-22.80** |
| | **Cool, California** | **Longitude:** | **W120-59-49.80** |
| **Report Date:** | **July 22, 2017** | **Project:** | **New Build** |

## General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Pilot Hill 2 site located at 3100 Triple Seven Road, Cool, California. This report contains information about the radio telecommunications equipment to be installed at this site and the surrounding environment with regard to RF Hazard compliance. This assessment is based on installation designs and operational parameters provided by AT&T Mobility.

The compliance framework is derived from the Federal Communications Commission (FCC) Rules and Regulations for preventing human exposure in excess of the applicable Maximum Permissible Exposure ("MPE") limits. At any location at this site, the power density resulting from each transmitter may be expressed as a percentage of the frequency-specific limits and added to determine if 100% of the exposure limit has been exceeded. The FCC Rules define two tiers of permissible exposure differentiated by the situation in which the exposure takes place and/or the status of the individuals who are subject to exposure. General Population / Uncontrolled exposure limits apply to those situations in which persons may not be aware of the presence of electromagnetic energy, where exposure is not employment-related, or where persons cannot exercise control over their exposure. Occupational / Controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment, have been made fully aware of the potential for exposure, and can exercise control over their exposure. Based on the criteria for these classifications, the FCC General Population limit is considered to be a level that is safe for continuous exposure time. The FCC General Population limit is 5 times more restrictive than the Occupational limits.

| | ***Limits for General Population/ Uncontrolled Exposure*** | | ***Limits for Occupational/ Controlled Exposure*** | |
|---|---|---|---|---|
| **Frequency (MHz)** | **Power Density ($mW/cm^2$)** | **Averaging Time (minutes)** | **Power Density ($mW/cm^2$)** | **Averaging Time (minutes)** |
| 30-300 | 0.2 | 30 | 1 | 6 |
| 300-1500 | f/1500 | 30 | f/300 | 6 |
| 1500-100,000 | 1.0 | 30 | 5.0 | 6 |

f=Frequency (MHz)

In situations where the predicted MPE exceeds the General Population threshold in an accessible area as a result of emissions from multiple transmitters, FCC licensees that contribute greater than 5% of the aggregate MPE share responsibility for mitigation.

# Exhibit I
# Site 1 Cool (formerly Pilot Hill 2)

Based on the computational guidelines set forth in FCC OET Bulletin 65, Waterford Consultants, LLC has developed software to predict the overall Maximum Permissible Exposure possible at any particular location given the spatial orientation and operating parameters of multiple RF sources. These theoretical results represent worst-case predictions as emitters are assumed to be operating at 100% duty cycle.

For any area in excess of 100% General Population MPE, access controls with appropriate RF alerting signage must be put in place and maintained to restrict access to authorized personnel. Signage must be posted to be visible upon approach from any direction to provide notification of potential conditions within these areas. Subject to other site security requirements, occupational personnel should be trained in RF safety and equipped with personal protective equipment (e.g. RF personal monitor) designed for safe work in the vicinity of RF emitters. Controls such as physical barriers to entry imposed by locked doors, hatches and ladders or other access control mechanisms may be supplemented by alarms that alert the individual and notify site management of a breach in access control. Waterford Consultants, LLC recommends that any work activity in these designated areas or in front of any transmitting antennas be coordinated with all wireless tenants.

## Analysis

AT&T Mobility proposes the following installation at this location:

- Install twelve (12) new antennas
- Install six (6) new RRUS-11
- Install ten (10) new RRUS-32
- Install three (3) new RRUS-12

The antennas will be mounted on a new 122-foot monopine erected for this purpose with centerlines at 100 and 108 feet above ground level. The antennas will be oriented toward 90, 330 and 210 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 26,556 Watts. Other appurtenances such as GPS antennas, RRUs and hybrid cable are not sources of RF emissions. From this site, AT&T Mobility will enhance voice and data services to surrounding areas in licensed 700, 1900, 2100 and 2300 MHz bands. No other antennas are known to be operating in the vicinity of this site.

Power density decreases significantly with distance from any antenna. The panel-type antennas to be employed at this site are highly directional by design and the orientation in azimuth and mounting elevation, as documented, serve to reduce the potential to exceed MPE limits at any location other than directly in front of the antennas. For accessible areas at ground level, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.7985% of the FCC General Population limits (0.1597% of the FCC Occupational limits). Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.1425% of the FCC General Population limits (0.0285% of the FCC Occupational limits). The proposed operation will not expose members of the General Public to hazardous levels of RF energy and will not contribute to existing cumulative MPE levels on walkable surfaces at ground or at adjacent buildings by 5% of the General Population limits.

Within the proposed compound surrounding the tower, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.0240% of the FCC Occupational limits (0.1200% of the FCC General Population limits). Waterford Consultants, LLC recommends posting contact information signage at the compound gate. RF alerting signage (Caution) should be posted at the base of the proposed tower to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

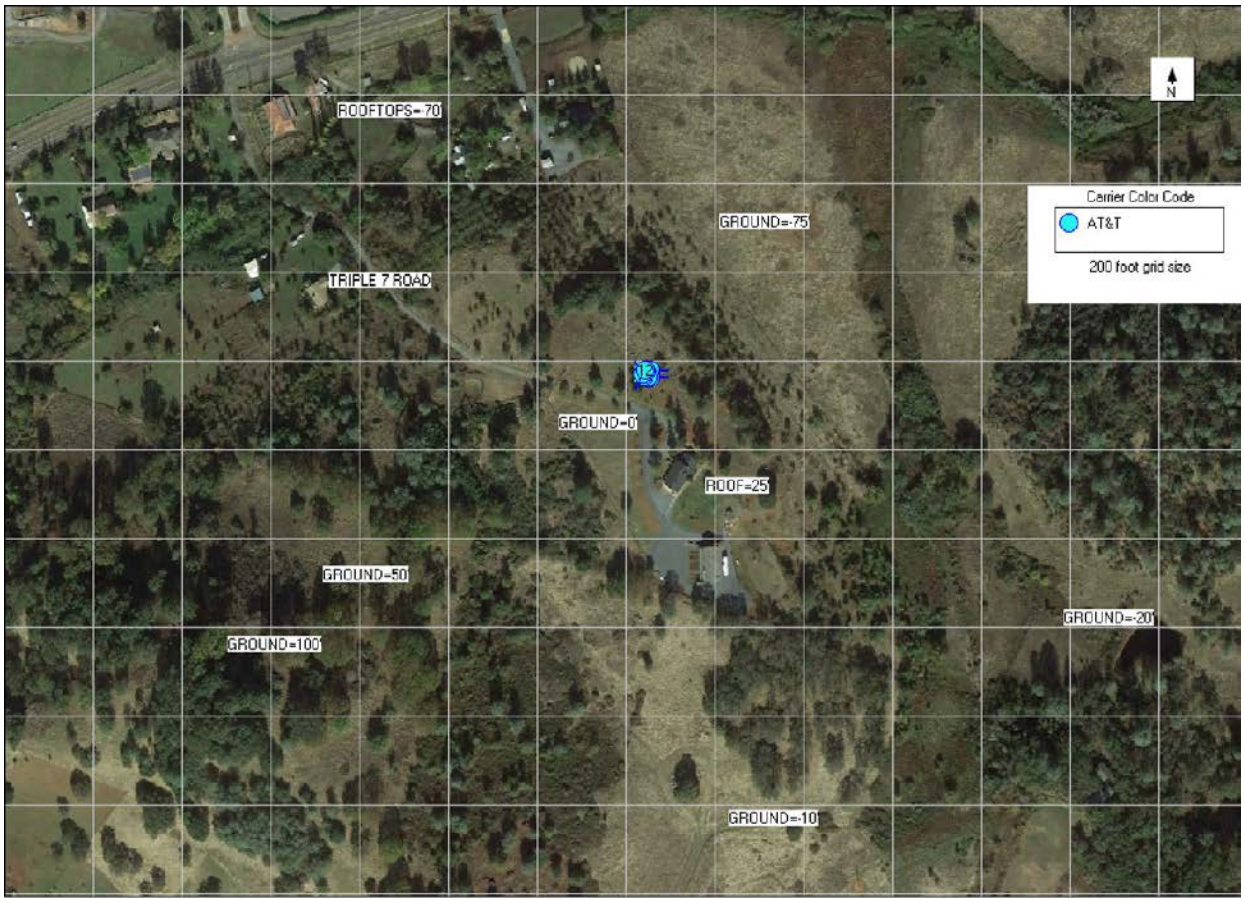



Figure 1: Antenna Locations

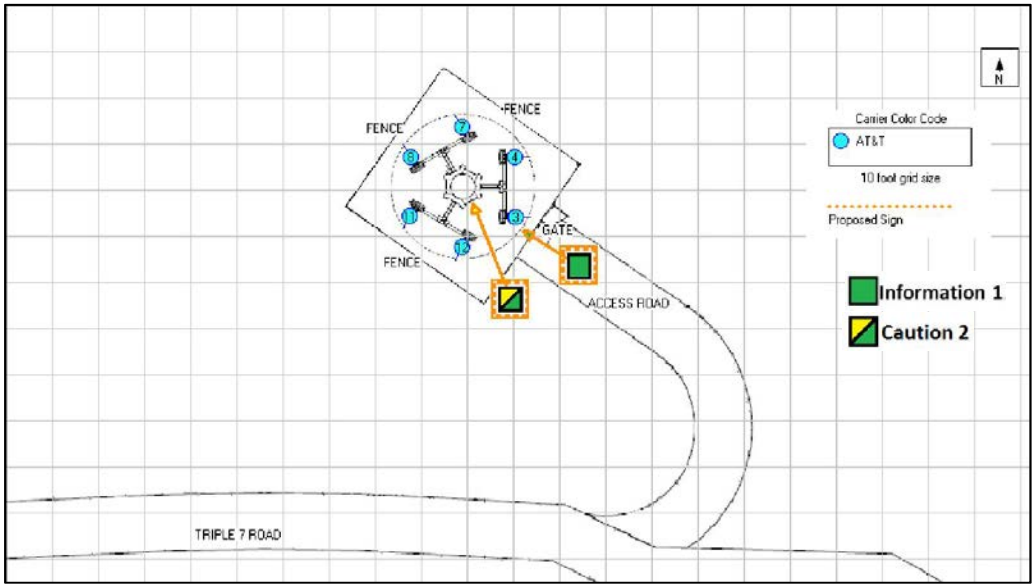



Figure 2: Mitigation Recommendations

## Compliance Statement

Based on information provided by AT&T Mobility, predictive modeling and the mitigation action to be implemented by AT&T Mobility, the installation proposed by AT&T Mobility at 3100 Triple Seven Road, Cool, California will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. § 1.1307(b)(3) and 1.1310. RF alerting signage and restricting access to the tower to authorized climbers that have completed RF safety training is required for Occupational environment compliance.

## Certification

I, Steven N. Baier-Anderson, am the reviewer and approver of this report and am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation, specifically in accordance with FCC's OET Bulletin 65. I have reviewed this Radio Frequency Exposure Assessment report and believe it to be both true and accurate to the best of my knowledge.

**PROJECT SUPPORT STATEMENT**

**AT&T PROJECT NAME: CONNECT AMERICA FUND II (CAF II) PROJECT**

**DEVELOPMENT APPLICATION FOR AT&T SITE "PILOT HILL 2" (COOL)**

**AT&T SITE NUMBER: CVL03175**

**AUTHORIZED AGENT:**

**EPIC WIRELESS GROUP, LLC**

**ZONING MANAGER:**

**JARED KEARSLEY; 916-755-1326; jared.kearsley@epicwireless.net**

**PROPERTY OWNER: KIRK BRELSFORD**

**LANDOWNER CONTACT: 530-887-8782**

**APN: 071-032-15-100**

**3100 TRIPLE SEVEN ROAD, COOL, CA 95614**

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- **PROJECT'S BACKGROUND AND OBJECTIVES**
- **SEARCH RING'S DESCRIPTION AND OBJECTIVES**
- **POTENTIAL CO-LOCATIONS**
- **ALTERNATIVE SITE ANALYSIS**
- **SUBJECT PARCEL AND SITE DETAILS AND SUPPORTING DOCUMENTS**
- **OPERATIONAL STATEMENT**
- **FIRE SUPPRESSION SYSTEM**
- **OTHER CONSIDERATIONS RELATING TO NEW WIRELESS TELECOMMUNICATION FACILITIES PURSUANT TO 17.14.210 AND 17.22.500 OF THE EL DORADO COUNTY ZONING CODE**

# Exhibit J
# Site 1 Cool (formerly Pilot Hill 2)

**Project Background and objectives:**

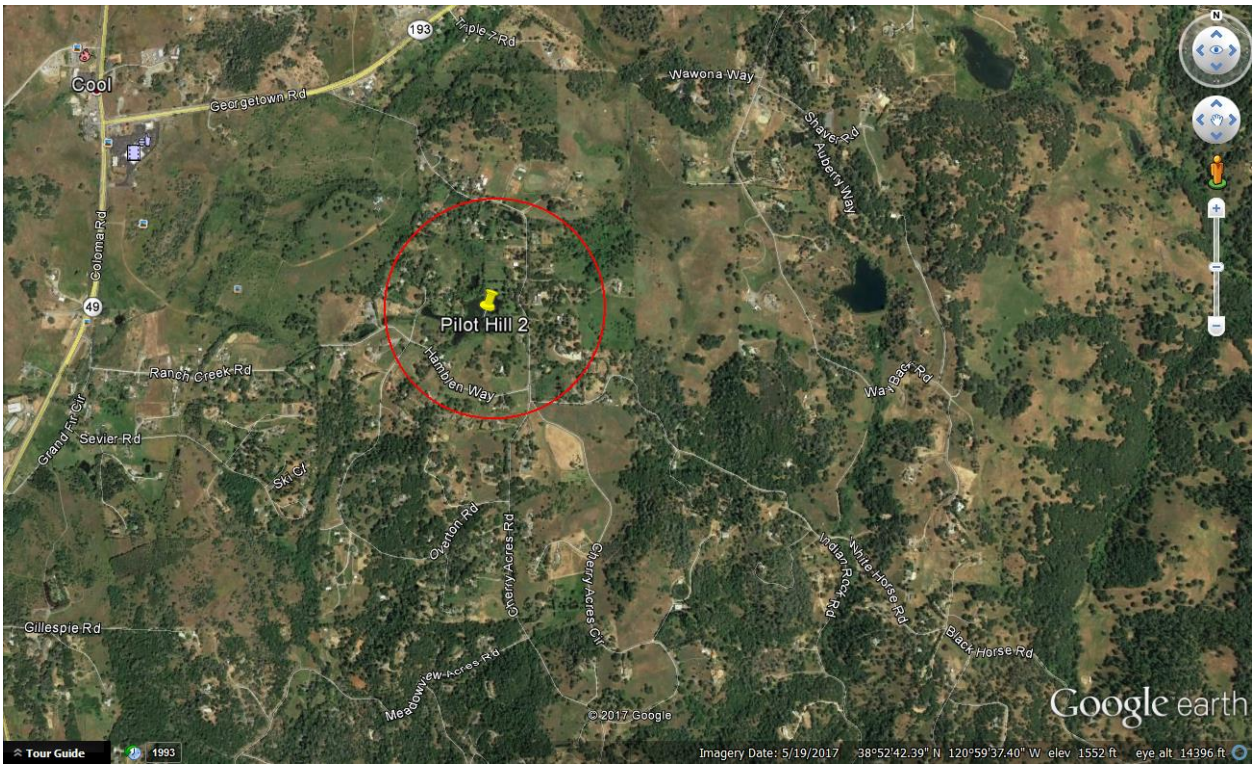
AT&T is participating in a Federal Government funded project called Connect America Fund (CAF) – which is to provide underserved areas throughout the United States in general and throughout El Dorado County in particular with hi-speed broadband internet. The build-up of hi-speed broadband internet throughout rural/underserved areas will not only drive economic growth in rural America, but will expand the online marketplace nationwide, creating jobs, educational and businesses opportunities across the country. The CAF project is required to provide broadband internet services capable of 10 Mbps download and 1 Mbps upload speeds.

AT&T has the necessary technology that allows them to build out their territory in El Dorado County with the much demanded hi-speed broadband internet to help improve the county's rural infrastructure. AT&T's basis for transmitting and receiving hi-speed broadband internet to residences is executed by providing one site with either a microwave fiber hop or a direct fiber line to the site and transferring the high speeds of fiber to each Living Unit (LU) via wireless signals. Each LU being provided with the service will have a small square antenna located in a vantage point on the property where it has a direct line of site to the tower. The square antenna will send and receive wireless broadband internet providing the LU with a minimum of 10/1 Mbps download and upload speeds, respectively.

AT&T's secondary objective is to provide and enhance AT&T's Wireless Telecommunications services (cellular services) to underserved areas. Cellular services go hand in hand with building the internet infrastructure throughout these underserved areas. People today rely on their mobile devices not only for educational and business purposes, but also for emergency services. Increasing AT&T's cellular coverage and capacity throughout El Dorado County's rural areas while providing wireless broadband internet will greatly assist with enhancing the county's economic growth and the area's infrastructure.

Given the need for direct line of site to residences, a taller than typical tower will be necessary in order to provide wireless broadband internet services to as many homes in the targeted areas as possible. During the tower design phase, the Radio Frequency (RF) engineer study many variables including surrounding tree heights, tree densities, population densities, and surrounding hill tops, in order to properly design a sufficient tower height with the goal of achieving the FCC's track census block mandates of reaching specific LU coverage objectives per area. Living Unit (LU) coverage objectives are provided by the RF engineer using density maps and are based on the area's approximate population. AT&T's goal is not only to reach the coverage objective, but to outperform the coverage objective to ensure that the maximum amount of homes are being provided this service while taking into consideration a small margin of error during the simulation process.

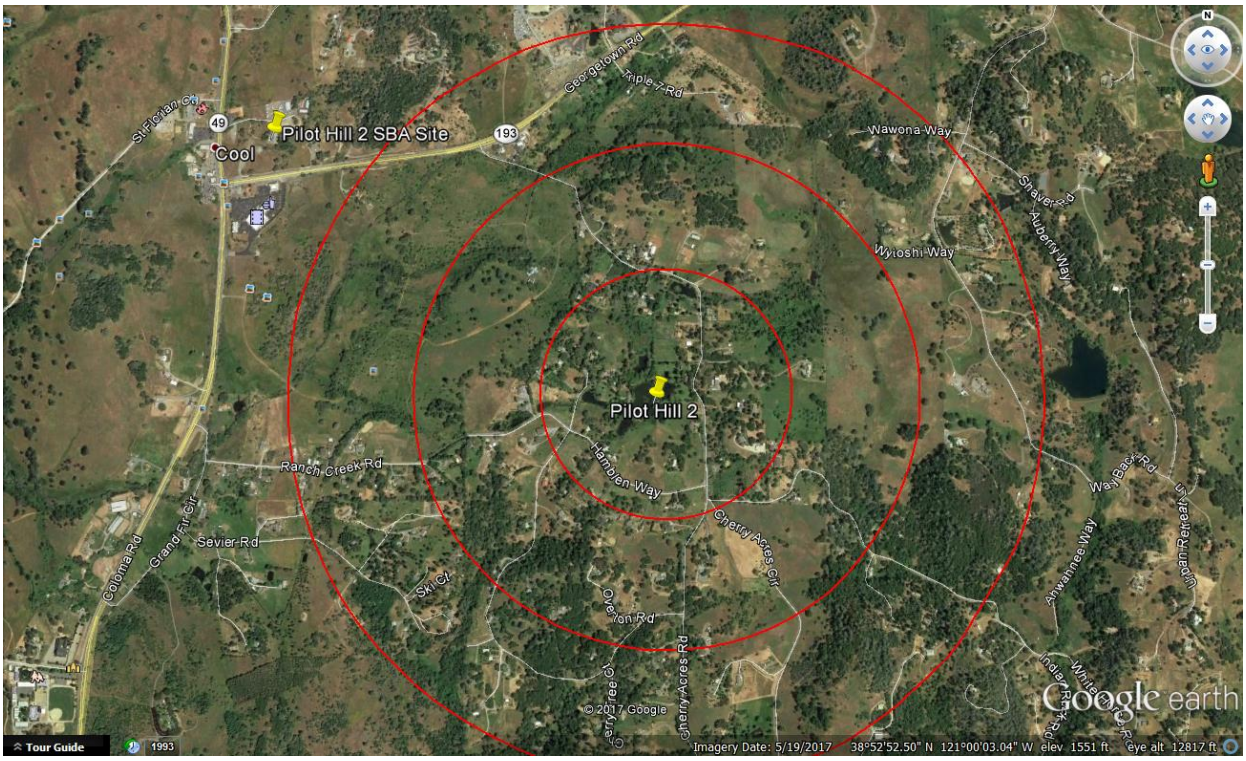
**Search Ring's Description and Objectives:**




AT&T Mobility is proposing to build and maintain an unmanned wireless telecommunication facility consisting of a 36' x 36', 1,296 square foot enclosed compound (lease area). The compound will include a 122-foot Stealth Monopine tower, one equipment shelter, one 35kw standby propane generator, and one 500 gallon propane tank. This facility will be located at 3100 Triple Seven Road, Cool, within El Dorado County's jurisdiction in a 25.037 acre RE-5 zone. The site is approximately 870 feet south of Knickerbocker Creek and the area consists of oak trees, evergreen trees, and rolling hills with rocky terrain.

AT&T's objective for the Pilot Hill 2 site is to provide wireless hi-speed broadband internet and cellular services to the nearby residences. This site is to provide hi-speed internet and enhanced cellular coverage & capacity to the Cool and Cherry Acres community, surrounding the search ring, which is a relatively dense underserved areas. The site location's elevation is approximately 1,621 feet while the surrounding community's elevation averages around 1,500 feet, giving the homes within the community great potential for line of site to the tower. After running a coverage simulation at the site location, AT&T is anticipating meeting their FCC objective for this search ring.

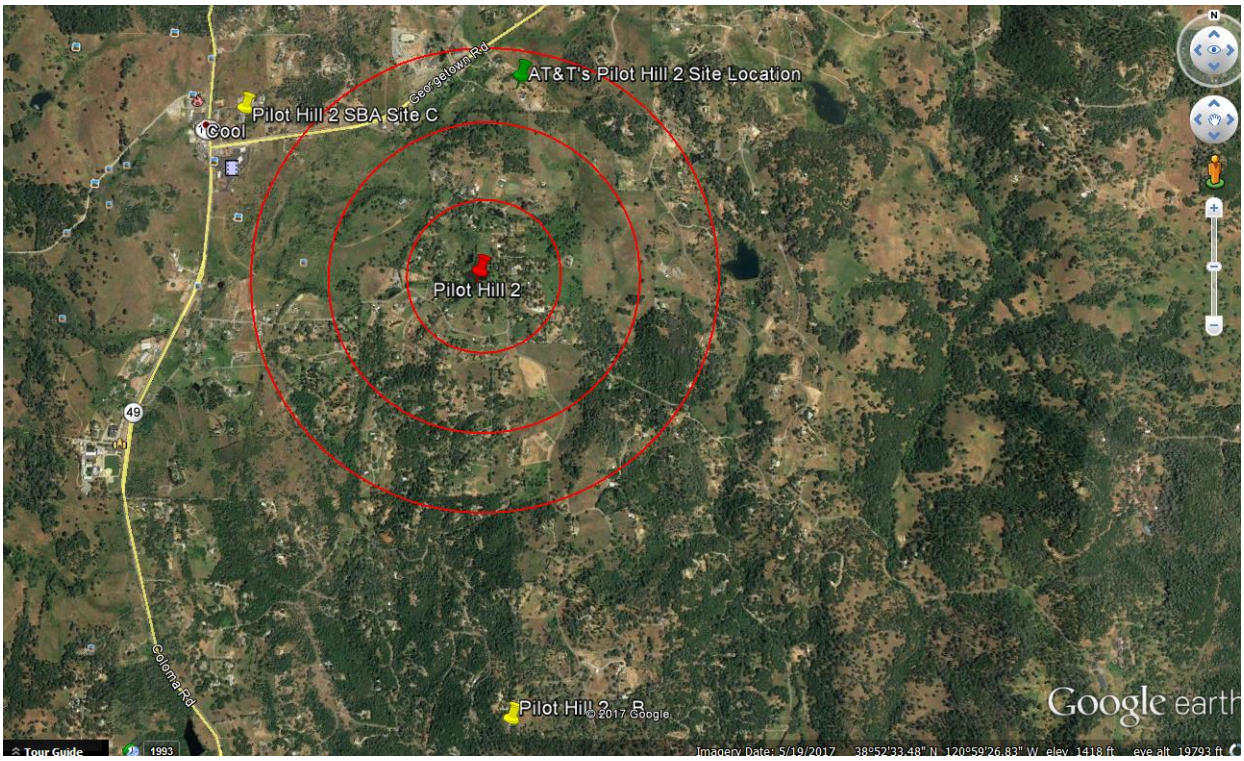
**Potential Co-locations:**




There is one potential Co-location opportunity in the near vicinity of the provided Search Ring. An Existing tower owned by SBA is located outside of AT&T's Search Ring approximately 1 mile to the west at the intersection of Hwy 49 and Hwy 193. SBA's tower is 70' tall and the other carrier's antennas are located at a 60' and 50' centerline, leaving only an available centerline for an additional carrier at 40 feet. If the tower was able to be modified for an additional carrier above the highest antennas, the available centerline would then be approximately 70 feet. It is worthy to note that the existing Tower has already been re-braced for structural integrity and therefore most likely has already reached its capacity and would not allow a tower extension. Even though a tower extension is unlikely, AT&T still ran a coverage simulation at both 40' and 70' centerlines and those simulations on the existing SBA Tower failed to support AT&T's CAF II project requirements for the Cool community/search ring. At the 40' centerline, AT&T lost approximately 55% of the targeted LUs within the community. At the 70' centerline, AT&T lost 45% of the targeted LUs for the community. Additionally, the total amount of LU's the SBA Tower would provide failed to satisfy FCC's targeted goal for this area therefore disqualifying this collocation opportunity as a viable candidate. The SBA Tower has been designed for mobile phone services that do not need line of site technology, therefore, a 50-60 foot centerline is sufficient for mobility coverage. However, AT&T's CAF II wireless highspeed broadband internet technology requires line of site to LUs, and therefore, requires higher than typical centerlines and for that reason as well SBA's tower was disqualified from this project. The existing SBA Tower does not adequately fulfill the LU targets as set by the Federal Communications Commission and does not fill the significant gap in coverage for the Cool Community; therefore, the SBA Tower is not a co-locatable option for AT&T.

Photos of Structural Bracing on the existing SBA Tower:

**Alternative Site Analysis pursuant to 17.14.210 (B) (1):**




Above is a map showing the Search Ring (center is the red pin), Proposed Site (green pin) and the two alternative sites (yellow pins) that were considered for placement of the telecommunications facility. Epic Wireless was forced to search well beyond AT&T's Search Ring due to the restrictions within the Cherry Acres Home Owners Association.

Each Alternative Site is discussed below:

**Pilot Hill 2 Alternative Candidate B:**

**Address: 2225 Terrace View Court, Cool, CA 95614**

**Latitude/Longitude: 38.860233, -120.997694**

**Proposal – New Tower**

Considerations:

Candidate B is located approximately 1.25 miles south of the center of AT&T's search ring. The proposed tower would be located on a 6 acre, RE-5 zoned property owned by Brian Cummings. The property is located at the end of Terrace View Court and the site was proposed in the center of the property. Candidate B was chosen as AT&T's third preferred candidate as the RF Engineer's simulation yielded 65% fewer LU's than the subject site located at 3100 Triple Seven Road (Subject Parcel). The site location was too far from AT&T's targeted area and also conflicted with an adjacent AT&T tower due west, located at 38.863826, -121.016378. The existing AT&T Tower serves the south end of Cherry Acres and was designed primarily to cover the nearby stretch of Hwy 49. The Cummings property has a Land Use LDR and is surrounded by properties with Land Uses LDR and RR. The nearest dwelling unit to the proposed site location is approximately 360 feet to the north. No oak woodlands would be required to be removed at this location.

**Pilot Hill 2 Alternative Candidate C:**

**1050 Northside Drive, Cool, CA 95614**

**Latitude/Longitude: 38.888289, -121.014101**

**Proposal – Co-Location**

Considerations:

The Existing tower owned by SBA is located outside of AT&T's Search Ring approximately 1 mile to the west at the intersection of Hwy 49 and Hwy 193. SBA's tower is 70' tall and the other carrier's antennas are located at a 60' and 50' centerline, leaving only an available centerline for an additional carrier at 40 feet. If the tower was able to be modified for an additional carrier above the highest antennas, the available centerline would then be approximately 70 feet. It is worthy to note that the existing Tower has already been re-braced for structural integrity and therefore most likely has already reached its capacity and would not allow a tower extension. Even though a tower extension is unlikely, AT&T still ran a coverage simulation at both 40' and 70' centerlines and those simulations on the existing SBA Tower failed to support AT&T's CAF II project requirements for the Cool community/search ring. At the 40' centerline,

AT&T lost approximately 55% of the targeted LUs within the community. At the 70' centerline, AT&T lost 45% of the targeted LUs for the community. Additionally, the total amount of LU's the SBA Tower would provide failed to satisfy FCC's targeted goal for this area therefore disqualifying this collocation opportunity as a viable candidate. The SBA Tower has been designed for mobile phone services that do not need line of site technology, therefore, a 50-60 foot centerline is sufficient for mobility coverage. However, AT&T's CAF II wireless highspeed broadband internet technology requires line of site to LUs, and therefore, requires higher than typical centerlines and for that reason as well SBA's tower was disqualified from this project. The existing SBA Tower does not adequately fulfill the LU targets as set by the Federal Communications Commission and does not fill the significant gap in coverage for the Cool Community; therefore, the SBA Tower is not a co-locatable option for AT&T. The property and surrounding properties are labeled as Commercial Land Use. Given the surrounding area is zoned commercial, the existing tower is not suited to cover the nearby residential areas.

**Additional alternative sites considered and letters of interest sent out but received no response by landlords included the following parcels:**

3303 Cherry Acres Road, Cool, CA 95614 – APN: 071-310-19; Owner: William Threlkel

1201 Hamblen Way, Cool, CA 95614 – APN: 071-171-10; Owner: Todd and Carrie Stowers

Cool, CA 95614 – APN: 071-032-40; Owner: Carl Ross

**Actual View of the Proposed Location:**

The proposed lease area is located centrally in the subject property. The site will not interfere with the existing use of the property. Access will be directly off of Triple Seven Road. The site is elevated above the surrounding area and has great potential for line of site to the communities down below the subject parcel. The site isn't intrusive to nearby residents nor their view points of their properties. The nearest residence is approximately 600 feet to the northwest and sits 70 feet lower than the site location. The subject property is lined with oak and evergreen trees which naturally stealths the facility from adjacent properties. No Oak resources will be removed or severely impacted by the project. The surrounding Land Use for the area is LDR and MDR.

## PARCEL DATA INFORMATION

8/2/2017

Enter Another Parcel

**Assessor's Parcel Number: 071-032-15**

**PROPERTY INFORMATION:**

| STATUS | JURISDICTION | TAX RATE | MAP | ACREAGE |
|---|---|---|---|---|
| ON ASSESSMENT ROLL AND TAXED | COUNTY OF EL DORADO | 83 - 48 | PM 9/98/2 | 25.037 |

**2015 GENERAL PLAN LAND USE INFORMATION:**

| LAND USE DES. | AG DIST. | ECOLOGICAL PRESERVES | IMPORTANT BIOLOGICAL CORRIDOR | MINERAL RESOURCES | PLATTED LANDS | COMMUNITY REGIONS | RURAL CENTERS | SPECIFIC PLANS | ADOPTED PLAN NAME |
|---|---|---|---|---|---|---|---|---|---|
| LDR | | | | | | | | | |

**2015 ZONING INFORMATION:**

| ZONING DESIGNATION | DESIGN CONTROL | PLANNED DEVELOPMENT | OTHER OVERLAYS |
|---|---|---|---|
| RE-5 | | | |

**2004 GENERAL PLAN LAND USE INFORMATION:**

| LAND USE DES. | AG DIST. | ECOLOGICAL PRESERVES | IMPORTANT BIOLOGICAL CORRIDOR | MINERAL RESOURCES | PLATTED LANDS | COMMUNITY REGIONS | RURAL CENTERS | SPECIFIC PLANS | ADOPTED PLAN NAME |
|---|---|---|---|---|---|---|---|---|---|
| LDR | | | | | | | | | |

**2004 ZONING INFORMATION:**

| ZONING DESIGNATION | DESIGN CONTROL | PLANNED DEVELOPMENT | OTHER OVERLAYS |
|---|---|---|---|
| R2A | | | |
| RE-5 | | | |

**DISTRICTS:**

| FIRE | CSD | SCHOOL | WATER |
|---|---|---|---|
| EL DORADO COUNTY FPD | | BLACK OAK MINE UNIFIED | GEORGETOWN DIVIDE PUD |

**FLOOD ZONE INFORMATION** (See Note below):

| FIRM PANEL NUMBER & REVISION | PANEL REVISION DATE | FLOOD ZONE | FLOOD ZONE BUFFER | FLOODWAY |
|---|---|---|---|---|
| 06017C0200E | 09/26/2008 | X | | |

**MISCELLANEOUS DATA:**

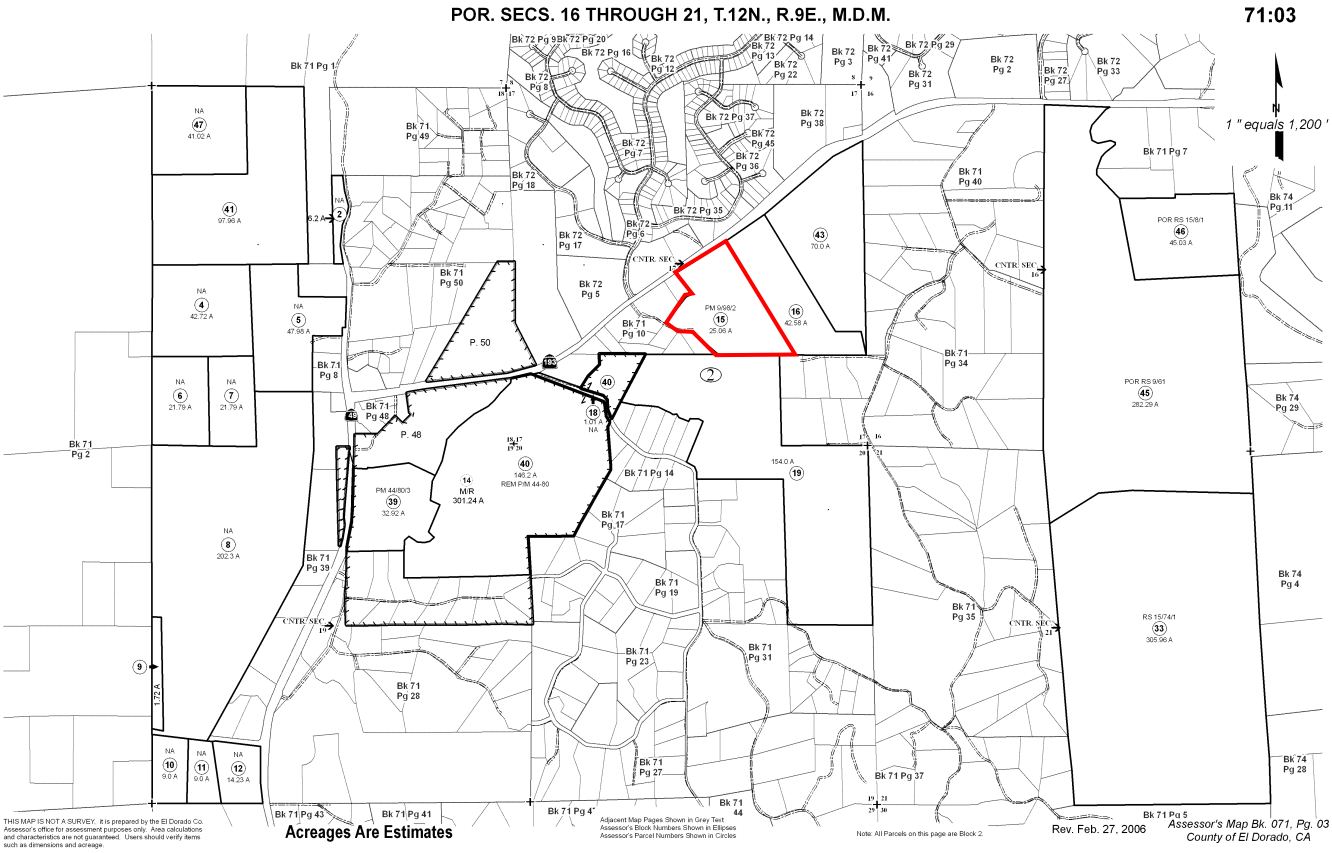
| SUPERVISORIAL DISTRICT | | AG PRESERVE | RARE PLANT MITIGATION AREA | MISSOURI FLAT MC&FP |
|---|---|---|---|---|
| 4 | MICHAEL RANALLI | | | No |

**REMARKS:**

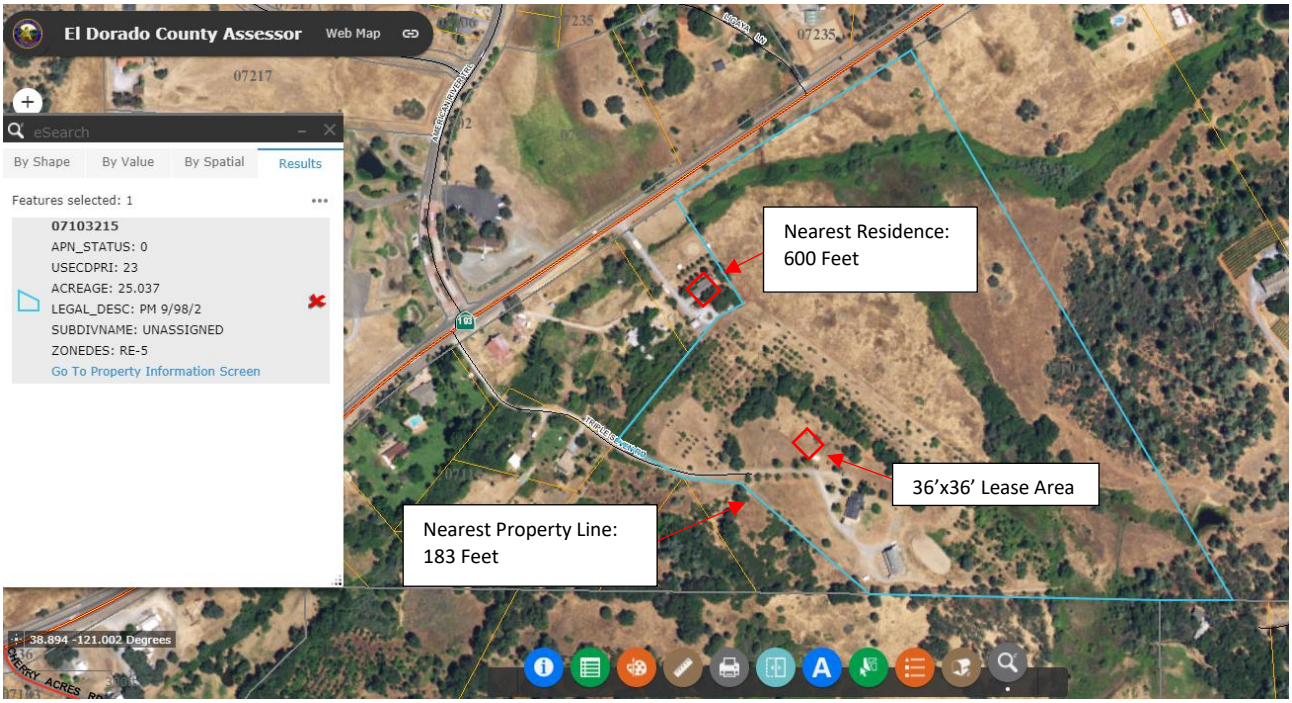
| |
|---|
| No Eligibility Review Required |
| NOR ON BP #134914 RECORDED @ DOC-2002-0017574-00 |

**NOTE:** The flood zone information presented here is based solely on data derived from the FEMA Flood Information Rate Maps, and does not include data from any other flood studies.

## Assessor's Parcel Map:



**Overhead View of Lease Area and Distances to nearby residences:**




**Emergency 35kw Propane Generator and 4 Ton HVAC Noise Analysis:**

- **Equation and Calculation Method:**

The sound analysis methods and results are hypothetical only, using Sound Level and Distance calculations. These calculations do not take outside sounds, trees, hills, buildings, and other sound dampening variables into consideration, but, only raw sound levels after specific traveled distances which results in the worst case scenario for the sounds of the onsite backup generator and HVAC systems.

- The use of emergency equipment is exempted from these limits per section 130.37.20(B).

Formulas to calculate the sound level $L$ in dB (sound pressure level or sound intensity level) in dependence of the distance $r$.

**Sound level $L$ and Distance $r$**

$$L_2 = L_1 - |20 \cdot \log\left(\frac{r_1}{r_2}\right)| \qquad L_2 = L_1 - |10 \cdot \log\left(\frac{r_1}{r_2}\right)^2|$$

$$r_2 = r_1 \cdot 10^{\left(\frac{|L_1 - L_2|}{20}\right)} \qquad r_1 = \frac{r_2}{10^{\left(\frac{|L_1 - L_2|}{20}\right)}}$$

| Sound pressure level (dB) | = | Sound intensity level (dB) |
|---|---|---|
| $L_2 = L_1 - \lvert 20 \cdot \log\left(\frac{r_1}{r_2}\right) \rvert$ | | $L_2 = L_1 - 10 \cdot \lg\left(\frac{r_1}{r_2}\right)^2$ |

**Sound Specifications:**

- Emergency Generator Model: SG035 Generac
  - Average decibel (dBa) level at 23 feet = 64.9 dBa
- HVAC Model: ASDCA48
  - Average decibel (dBa) level at 50 feet = 57 dBa

**Sound Specifications while taking the Sound Blanket into consideration:**

- Emergency Generator Model: SG035 Generac
  - Average decibel (dBa) level at 23 feet = 58.11 dBa
- HVAC Model: ASDCA48
  - Average decibel (dBa) level at 50 feet = 46.36 dB

**Findings:**

1. Distance to the Nearest Property Line = 183'+/-
   a. Generator Decibel level at 183' = 40.1 dBa
   b. HVAC Decibel level at 183' = 35.09 dBa
2. Distance to the Nearest Residence = 600'+/-
   a. Generator Decibel level at 600' = 29.78 dBa
   b. HVAC Decibel level at 600' = 24.78 dBa

**Conclusion:**

After calculating all decibel levels at each nearby residence's property line and actual residence, the onsite Emergency Backup Generator and HVAC systems are within El Dorado County's noise level standards according to El Dorado County Title 130 Zoning and Noise Ordinance, Chapter 130.37 – Noise Standards.

**Table 1 – Eldorado County Table 130.37.060.1**
Noise Level Performance Standards for Noise Sensitive Land Uses
Affected by Non-Transportation Sources

| Noise Level Descriptor | Daytime 7 a.m. – 7 p.m. | | Evening 7 p.m. – 10 p.m. | | Night 10 p.m. – 7 a.m. | |
|---|---|---|---|---|---|---|
| | Community / Rural Centers | Rural Regions | Community / Rural Centers | Rural Regions | Community / Rural Centers | Rural Regions |
| Hourly Leq, dBA | 55 | 50 | 50 | 45 | 45 | 40 |
| Maximum Level, dBA | 70 | 60 | 60 | 55 | 55 | 50 |

**Operation Statement:**

This project is an AT&T Mobility unmanned Telecommunication Wireless Facility. It will consist of the following:

**NEW SITE BUILD UNMANNED TELECOMMUNICATIONS FACILITY.**

1. **(1) NEW 12' WIDE GRAVEL ACCESS ROAD**
2. **(1) NEW 36' X 36' FENCED LEASE AREA**
3. **(1) NEW 6' CHAIN LINK FENCE**
4. **(1) NEW 12' WIDE DOUBLE ACCESS GATE**
5. **(1) NEW 122' MONOPINE TOWER**
6. **(1) NEW PRE-FAB EQUIPMENT SHELTER**
7. **(1) NEW GPS ANTENNA**
8. **(1) NEW 35KW PROPANE GENERATOR**
9. **(1) LP PROPANE TANK (500 GALLON)**
10. **(12) NEW ANTENNAS**
11. **(6) NEW RRUS-11, (10) NEW RRUSS-32 & (3) NEW RRUS-12**
12. **(4) NEW SURGE SUPPRESSORS**
13. **(2) FUTURE 4' M/W DISH**

The facility will operate 24 hours a day 7 days a week. Maintenance workers will visit the site approximately once a month. A 12 foot wide access route will be created directly from Triple Seven Road. There will be minimal noise from the standby generator, turning on once a week for 15 minutes for maintenance purposes and during emergency power outages. The Facility is approximately 600 feet south of a residence and 187 feet east of the nearest property line. The surrounding area is covered with evergreen tree backdrops and rolling hills. The tower will be built to provide co-location opportunities and stealthing technology.

**Fire Suppression System:**

A 12 foot wide access route will be created directly from Triple Seven Road. A Hammer Head Fire Turnaround will be proposed within the access route. A Fire Department Knox Box will be located at the Facility's access gate and at the property's access gate. A 2A:20BC Rated Fire Extinguisher in a weather resistant cabinet will be mounted on the exterior wall of the proposed shelter. The facility is only 1.3 miles from the nearest El Dorado County Fire Station, #72.

**Conclusion:**

Candidate A, 3100 Triple Seven Road, meets the FCC's mandated objectives for the targeted area of Cool and is the best choice for the surrounding area. The chosen location will meet the FCC's mandated coverage objectives with providing hi-speed broadband internet to homes in Cool's Targeted area of El Dorado County. The Stealth Monopine Tower design has been chosen to blend into the existing surrounding environment as the least intrusive means while filling AT&T's significant gap in coverage. Existing foliage on the subject parcel and surrounding parcels results in a stealthed compound from all directions. No oak woodlands will be impacted/removed for this location. No special species or protected animals will be impacted per the biological resource assessment prepared by Sycamore Environmental Consultants, Inc. The site exceeds the FCC's coverage requirements (LUs) for the targeted area. Additionally, this site covers 75% more LUs than the backup candidate located on Terrace View Court and between 45% and 55% more than the existing SBA Tower. The Proposed Wireless Facility is an allowed use on the property subject to the approval of a Conditional Use Permit.