Location Map

S03-0021-R-Metro PCS -Bass Lake Communications Tower

APN 102-210-08

N
W E
S

0.06
Miles

1:7,500

Prepared By:
Gina Paolini
Planning Services Department
October 13, 2011

Exhibit A

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, AND PROJECT MANAGER. (C.C.)

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 ADDENDUM'S OR CLARIFICATIONS FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT. PERMITTED, STAMPED ORIGINALS SHALL NOT BE USED FOR REDLINE PURPOSES.

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 ENSURE 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. SITE SHALL BE SECURED, SAFE AND CLEAN UPON COMPLETION OF WORK EACH DAY.

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.

15. THE CONTRACTOR SHALL FURNISH SANITARY FACILITIES PRIOR TO START OF WORK.

16. ALL SITE CONSTRUCTION, AND SITE CONDITIONS FROM MOBILIZATION TO DEMOBILIZATION SHALL BE IN STRICT ACCORDANCE WITH CAL-OSHA, 24 HOURS EACH DAY.

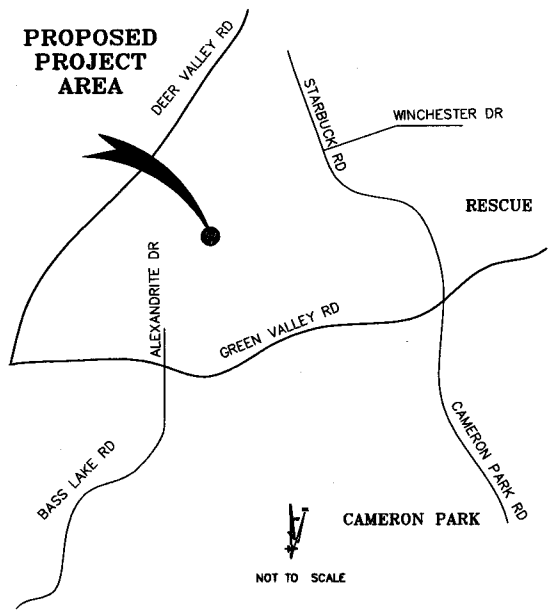
metro PCS

BASS LAKE
Site No. SAC-149-LTE

SITE ADDRESS:
3000 ALEXANDRITE DR.
RESCUE, CA 95672

11 AUG 17 PM 3:50
RECEIVED
PLANNING DEPARTMENT

VICINITY MAP



PROJECT SUMMARY

SITE NAME:	BASS LAKE
SITE NUMBER:	SAC-149-LTE
SITE ADDRESS:	3000 ALEXANDRITE DRIVE RESCUE, CA 95672 ELDORADO COUNTY
SITE CONTACT:	TIM MILLER (916) 826-4232
OWNER:	SABRINA INVESTMENTS 3000 ALEXANDRITE DRIVE RESCUE, CA 95672
APPLICANT:	METRO PCS
APPLICANTS ADDRESS:	785 ORCHARD DR., STE. 200 FOLSOM, CA 95630
ASSESSORS PARCEL NUMBER(S):	102-210-08-1

CONTACTS

CONSTRUCTION MANAGER
JEREMY JORDAN
785 ORCHARD DR. ste. 200
FOLSOM, CA. 95630
(916) 704-0898

ZONING MANAGER
TIM MILLER
METRO PCS
785 ORCHARD DR. ste. 200
FOLSOM, CA. 95630
(916) 826-4232

PROJECT DESCRIPTION

METRO PCS WILL ADD A NEW RADIO EXPANSION CABINET SET NEXT TO (E) CABINETS ON THE (E) CONC. SLAB
METRO PCS WILL REMOVE & REPLACE (3) (E) ANTENNAS WITH (3) NEW

BUILDING CODES

THESE PLANS ARE DESIGNED IN COMPLIANCE WITH FOLLOWING APPLICABLE CODES: 2007 CALIFORNIA MECHANICAL CODE (CMC), 2007 CALIFORNIA PLUMBING CODE (CPC), 2007 CALIFORNIA ELECTRICAL CODE (CEC), 2007 CALIFORNIA ENERGY CODE (CEC T-24), REFERENCE CBC APPENDIX CHAPTER 1, SEC. 106.1.1.

DESIGN CRITERIA

OCCUPANCY CATEGORY 11
IMPORTANCE FACTOR=1.15
SEISMIC R=2.5
SITE CLASS: D
BASE SHEAR - SEE CALCS
EQUIV. LATERAL FORCE PROCEDURE
RIAN LOAD: 0
FLOOD LOAD: 0
SNOW LOAD± 0 Pf - N.A. Ce - N.A. I = 1 Ct - N.A.

EXPOSURE CATEGORY: B
WIND SPEED: 85 MPH

ROOF DEAD LOAD: N.A.
ROOF LIVE LOAD: N.A
FLOOR DEAD LOAD: N.A
FLOOR LIVE LOAD: N.A

SHEET INDEX

S 03-0021-R

EXHIBIT B

PROJECT:
BASS LAKE Site No. SAC-149-LTE
SITE ADDRESS:
3000 ALEXANDRITE DRIVE
RESCUE, CA 95672

REVISIONS

NO.	DESCRIPTION:	DATE:	BY:
1	90% CONST. DOC'S	12-28-10	VRT
2	100% CONST. DOC'S	5-18-11	VRT
3	REV 100% CONST. DOC'S	6-24-11	JMR

PREPARED FOR:
metro PCS
785 ORCHARD DR. ste. 200
FOLSOM, CA. 95630

APPROVALS

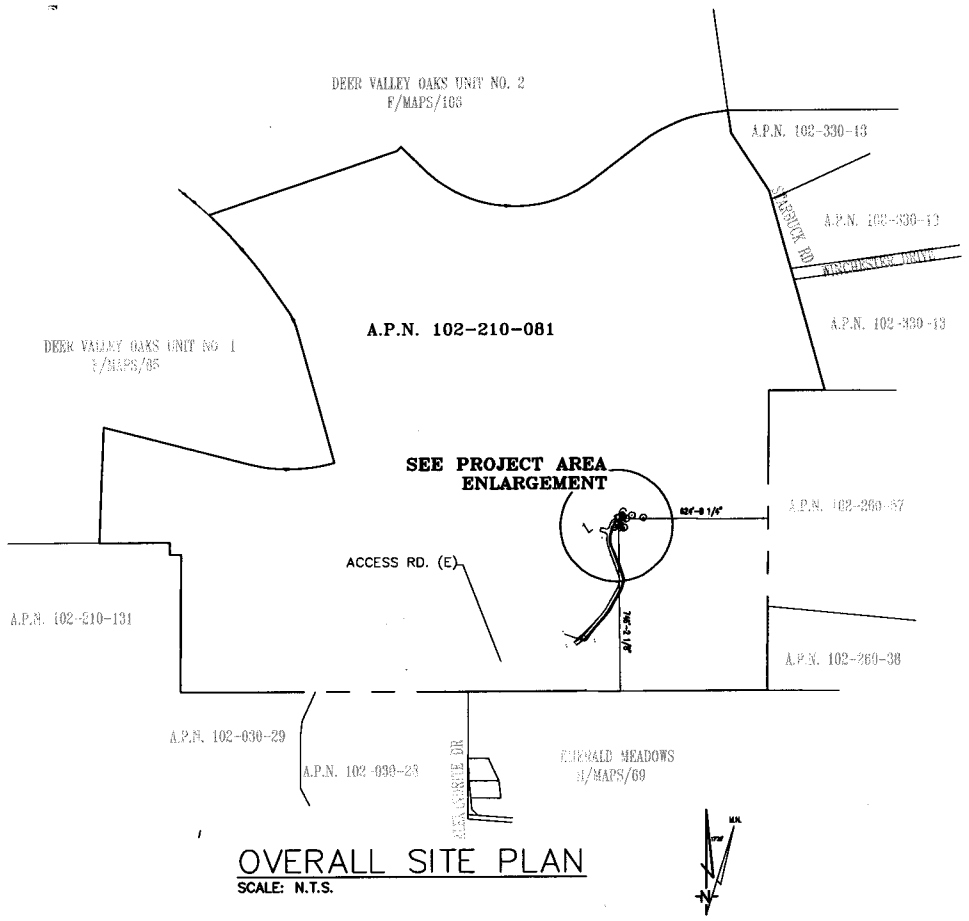
DATE:	BY:

NOTES:
THESE DRAWINGS COMPLETED WITH PHOTOS AND SKETCHES PROVIDED BY METRO PCS. PEEK SITE COM DID NOT VISIT THE SITE TO VERIFY AS-BUILT CONDITIONS. CONTRACTOR TO FIELD VERIFY PLANS MATCH EXISTING CONDITIONS PRIOR TO CONSTRUCTION

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

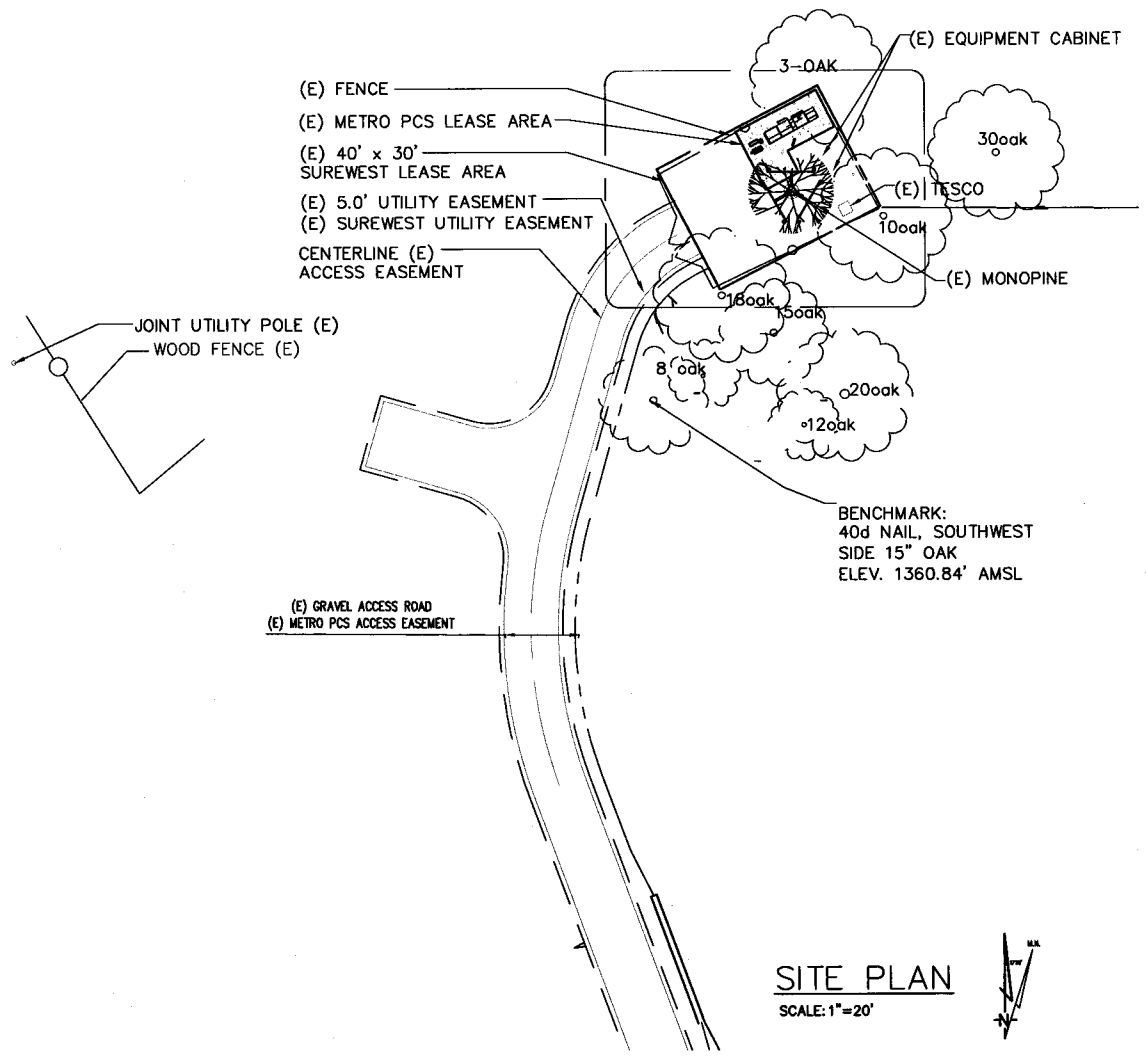
DRAWING TITLE
TITLE SHEET

SEAL	DRAWN BY: VRT	PROJECT NO.: SAC-149-LTE
REGISTERED PROFESSIONAL ENGINEER CHRIS OLIVERIA NO. C 33407 EXP. 09/30/12 CIVIL STATE OF CALIFORNIA	CHECKED BY	CADD FILE NO.
	SCALE: AS NOTED	DRAWING NO.: T
	DATE: 12-3-10	
	PRINTED	SHEET OF



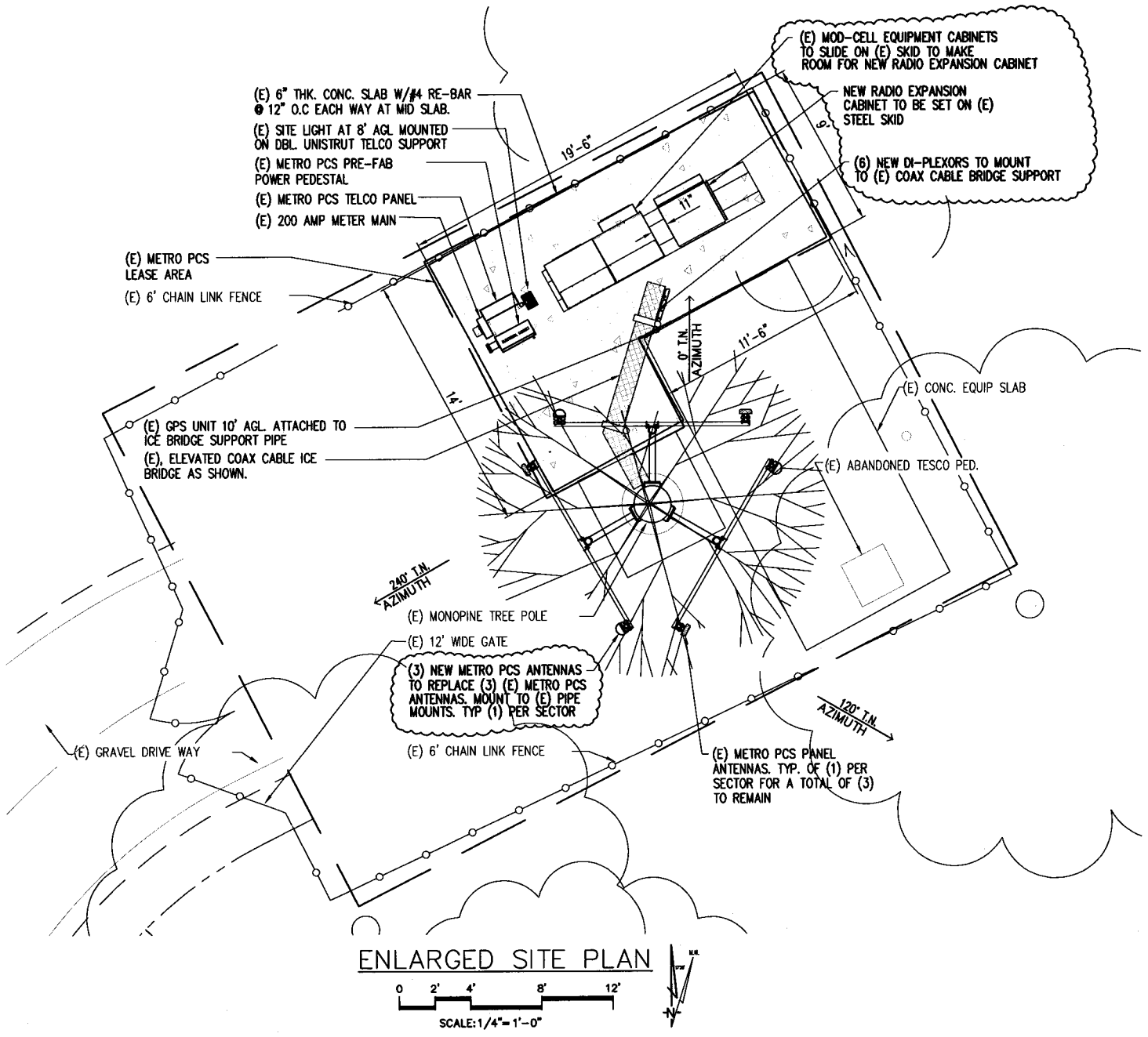
OVERALL SITE PLAN

SCALE: N.T.S.



SITE PLAN

SCALE: 1"=20'



ENLARGED SITE PLAN

0 2' 4' 8' 12'

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

GENERAL NOTES:

A. ON SITE DRAINAGE SHALL BE DICTATED BY SITE CONDITIONS

B. IN ADDITION TO EQUIPMENT AND TOWER SPACE REQUIREMENTS, LEASED AREA SHOULD CONSIDER SUCH ITEMS AS, MAINTENANCE, CRANE ACCESS AND LANDSCAPING.

EXHIBIT C

PROJECT:
BASS LAKE — Site No. SAC-149-LTE

SITE ADDRESS:
3000 ALEXANDRITE DRIVE
RESCUE, CA 95672

REVISIONS

NO.	DESCRIPTION:	DATE:	BY:
1	90% CONST. DOC'S	12-28-10	VRT
2	100% CONST. DOC'S	5-18-11	VRT
3	REV 100% CONST. DOC'S	6-24-11	JMR

PREPARED FOR:

metroPCS
785 ORCHARD DR. ste. 200
FOLSOM, CA. 95630

APPROVALS

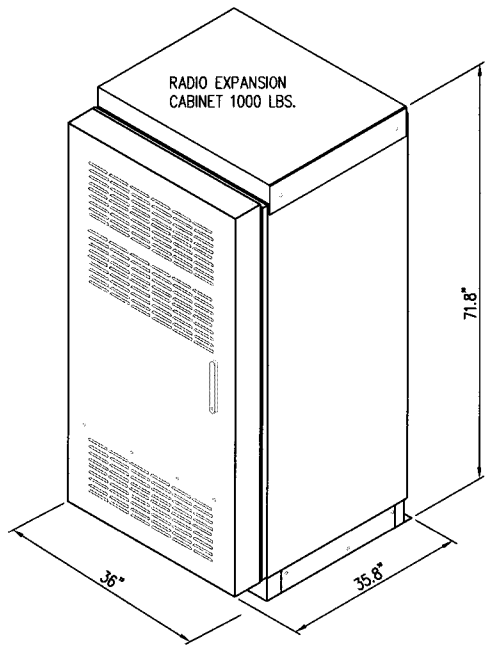
DATE:	BY:

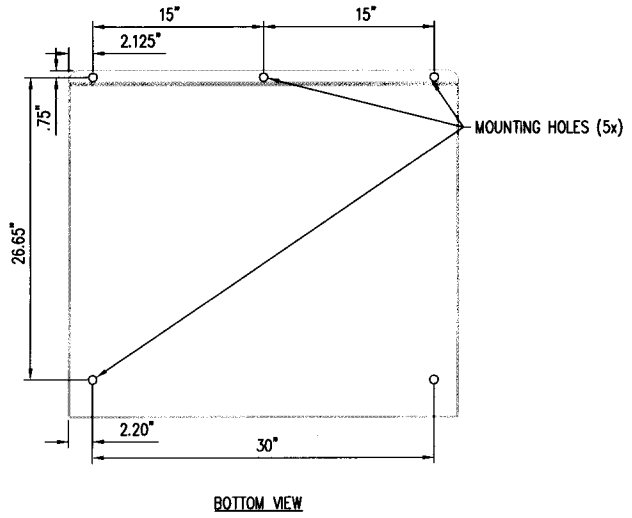
Peek Site-Com
12852 Earhart Ave. Suite 101
Auburn, California 95602
Phone (530) 885-6160
E-Mail info@peeksitecom.com

DRAWING TITLE
SITE PLAN

SEAL: REGISTERED PROFESSIONAL ENGINEER — CHRIS OLIVEIRA — NO. C 33407 — EXP. 06/30/12 — CIVIL — STATE OF CALIFORNIA

DRAWN BY: VRT	PROJECT NO.: SAC-149-LTE
CHECKED BY:	CADD FILE NO.:
SCALE: AS NOTED	DRAWING NO.: A-1
DATE: 12-3-10	
PRINTED:	SHEET OF

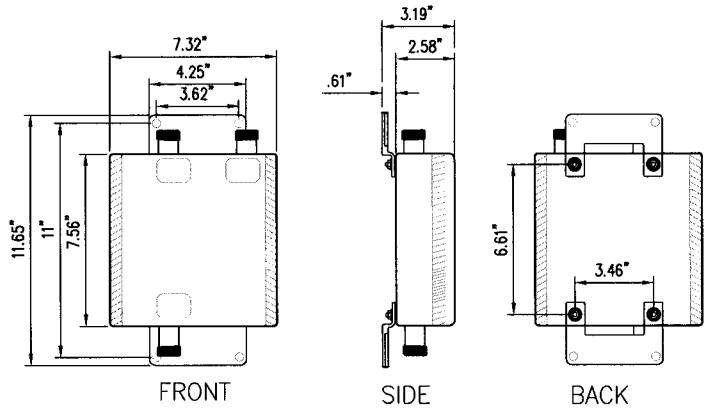


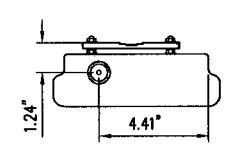


BOTTOM VIEW

TYP. RADIO EXPANSION CABINET DETAIL

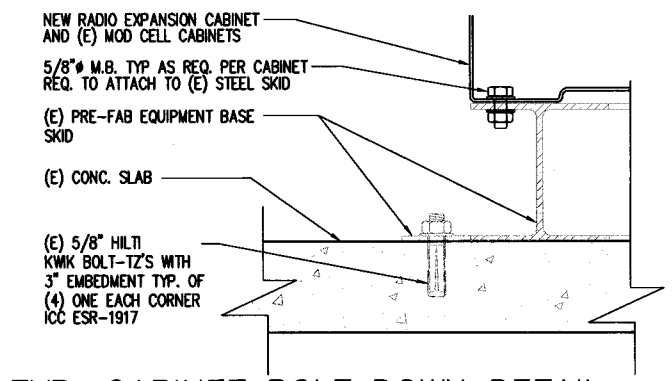
SCALE: N.T.S.





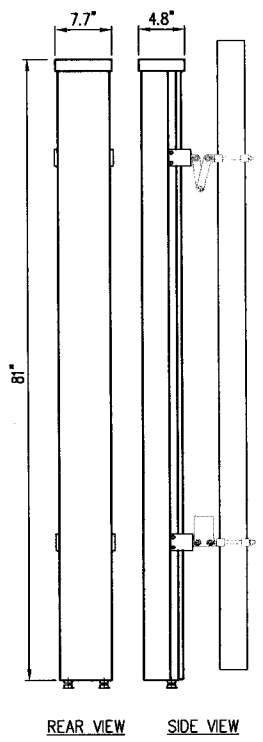
TYP. DI-PLEX FILTER DETAIL

SCALE: N.T.S.



TYP. CABINET BOLT DOWN DETAIL

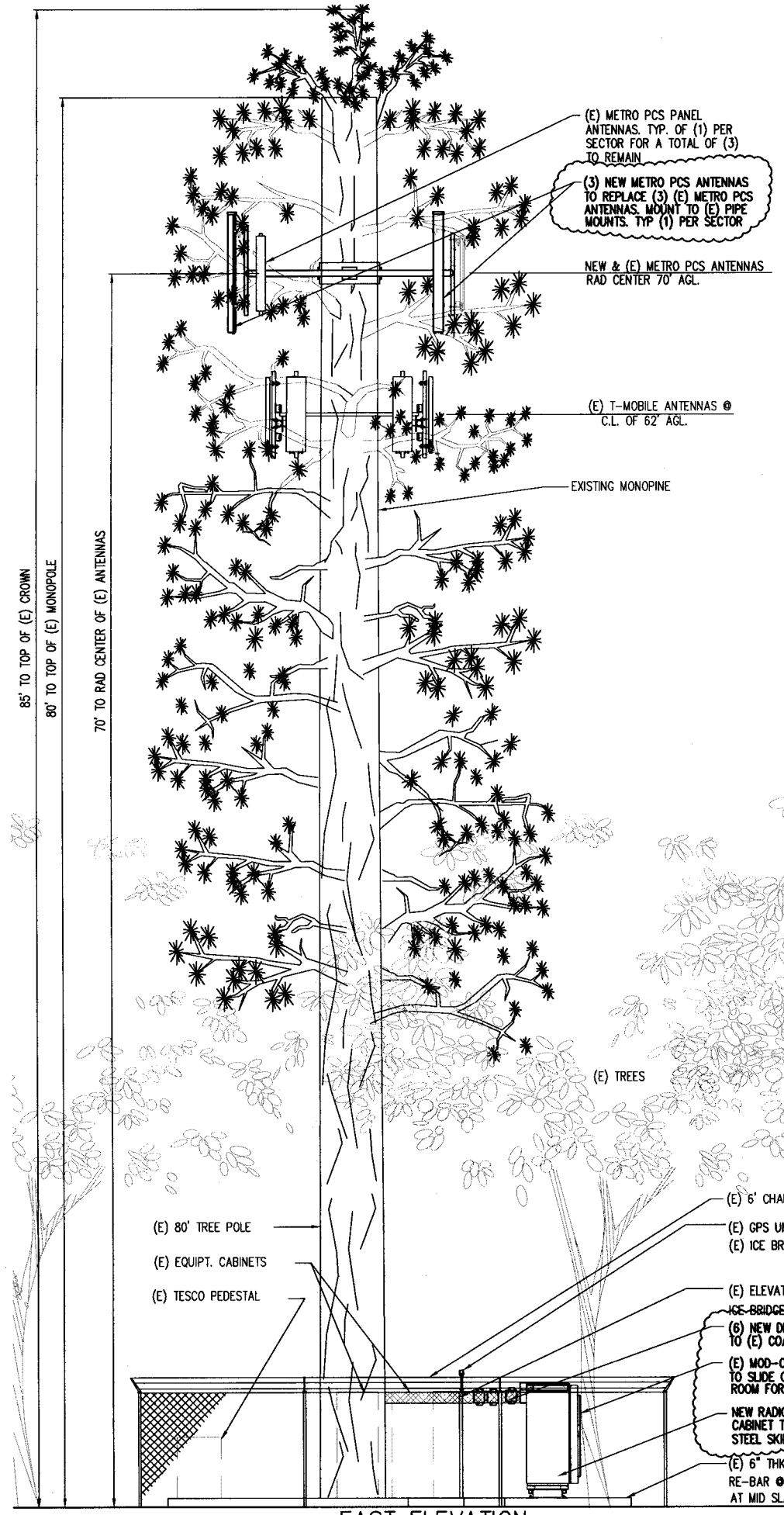
SCALE: N.T.S.



TOP VIEW

TYP. ANTENNA DETAIL

SCALE: N.T.S.



EAST ELEVATION

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

EXHIBIT D

PROJECT:
BASS LAKE — Site No. SAC-149-LTE

SITE ADDRESS:
3000 ALEXANDRITE DRIVE
RESCUE, CA 95672

REVISIONS

NO.	DESCRIPTION:	DATE:	BY:
1	90% CONST. DOC'S	12-28-10	VRT
2	100% CONST. DOC'S	5-18-11	VRT
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PREPARED FOR:

metroPCS
785 ORCHARD DR. ste. 200
FOLSOM, CA. 95630

APPROVALS

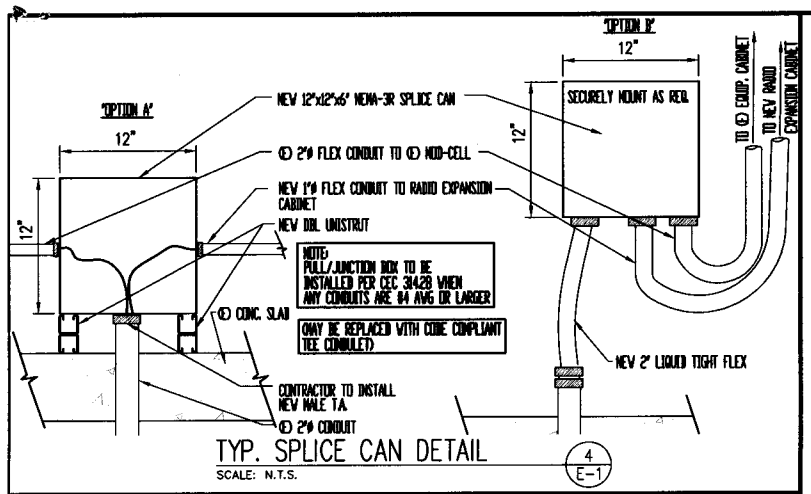
DATE:	BY:

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

DRAWING TITLE
ELEVATIONS

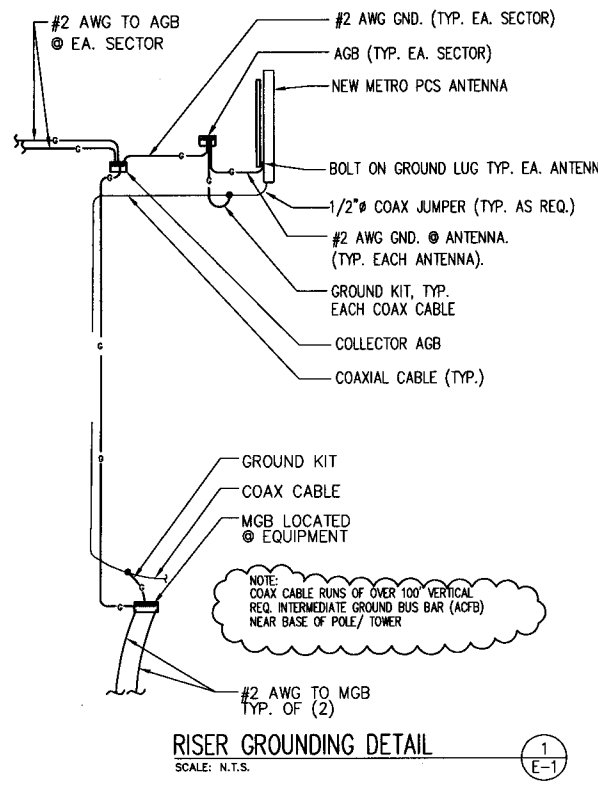
SEAL: REGISTERED PROFESSIONAL ENGINEER — CURTIS OLIVEIRA — NO. C 33407 — EXP. 08/30/12 — CIVIL — STATE OF CALIFORNIA

DRAWN BY	PROJECT NO.
VRT	SAC-149-LTE
CHECKED BY	CADD FILE NO.
SCALE: AS NOTED	DRAWING NO.
DATE: 12-3-10	A-2
PRINTED	SHEET OF



TYP. SPLICE CAN DETAIL (4 / E-1)

SCALE: N.T.S.



RISER GROUNDING DETAIL (1 / E-1)

SCALE: N.T.S.

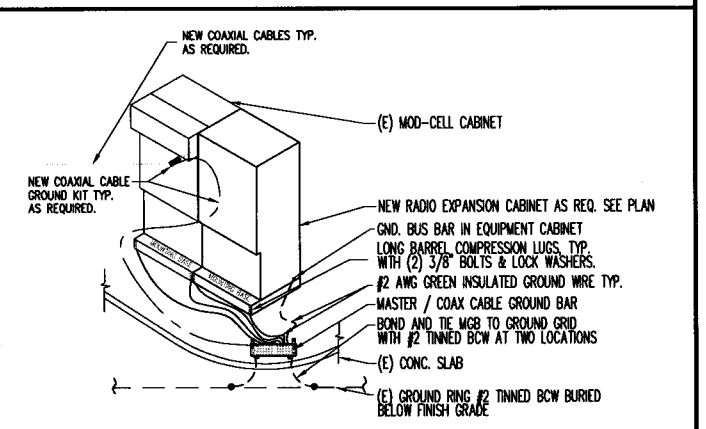
LOAD CENTER "METRO PCS" PANEL SCHEDULE

PANEL DESIGNATION: __ 120/240 VOLTS 1 PHASE 3 WIRE SURFACE MTNG: __X MAIN BREAKER: __X
WITH SEPARATE GROUND BUS 2P, 200A

	LOAD DESCRIPTION	ØA	ØB	AMP/ POLE	AMP/ POLE	ØA	ØB	LOAD DESCRIPTION	NO.
	METRO PCS NEW LUCENT MOD-CELL CIRCUIT #1	4250	–	100/2	80/2	–	–	SPACE	2
		–	4250			–	–		4
	NEW RADIO EXPANSION CABINET	2350	–	60/2	20/1	200	–	RECEPTACLE	6
		–	2350		20/1	–	300	SITE LIGHT	8
	SPACE	–	–	–	–	–	–	SPACE	10
	SPACE	–	–	–	–	–	–	SPACE	12

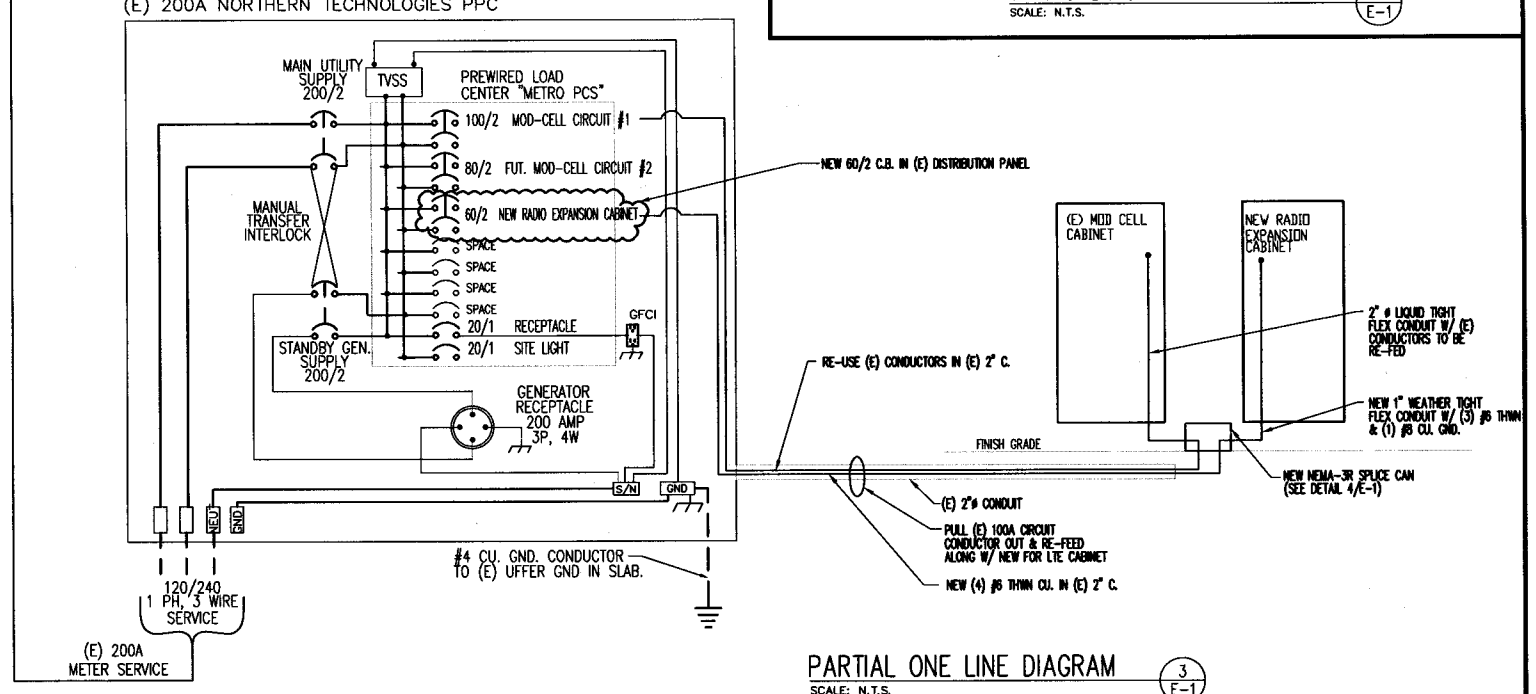
TOTAL CONNECTED (PROPOSED) VA: 11,585
TOTAL CONNECTED (FUTURE) VA: ____
TOTAL CONNECTED (P+F) VA: 11,585
DEMAND FACTOR: 1.0
DEMAND LOAD, VA: 11,585

(THIS ASSUMES CONTINUOUS VALUES OF 125% OF ACTUAL LOAD FOR ALL; HEATERS, RADIOS, & RECTIFIERS IN LUCENT UNITS)



TYP. CABINET GROUNDING DETAIL (2 / E-1)

SCALE: N.T.S.



PARTIAL ONE LINE DIAGRAM (3 / E-1)

SCALE: N.T.S.

ELECTRICAL LEGEND

NEW	EXISTING	
▬	▨	PANEL BOARD, SURFACE MOUNTED
T		DRY TYPE TRANSFORMER
M		METER
		CIRCUIT BREAKER NON-FUSIBLE DISCONNECT SWITCH, MOUNTED 54" A.F.F.
F		FUSIBLE DISCONNECT SWITCH, MOUNTED 54"A.F.F.
TVSS		TRANSIENT VOLTAGE SURGE SUPPRESSOR WITH BUILT-IN FUSES, SURFACE MOUNTED
		DUPLEX OUTLET, SURFACE MOUNTED, 20 AMPS, 125 VOLTS, SINGLE PHASE
J		JUNCTION BOX, SURFACE MOUNTED 18" A.F.F.
SK		KEYED SWITCH, SURFACE MOUNTED
		WALL MOUNTED, ENCLOSED, AND GASKETED INDUSTRIAL INCANDESCENT FIXTURE WITH ONE 100 WATT LAMP MOUNT 72" A.F.F.
		EXPOSED WIRING HOME RUNS, MINIMUM 2#10 + 1#10G IN 3/4" CONDUIT U.O.N.
A.F.F.		ABOVE FINISHED FLOOR
U.O.N.		UNLESS OTHERWISE NOTED
WP		WEATHERPROOF
GFI		GROUND FAULT INTERRUPTER

ELECTRICAL NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE CALIFORNIA ELECTRICAL CODE (CEC) AS WELL AS ALL OTHER APPLICABLE STATE UTILITY RULES & SPECIFICATIONS
2. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND THEY SHALL BE PROCURED PER SPECIFICATION REQUIREMENTS.
3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION, INCLUDING INCIDENTAL WORK, TO PROVIDE COMPLETE, OPERATING AND APPROVED ELECTRICAL SYSTEM.
4. CONTRACTOR SHALL PAY FEES FOR PERMITS, AND BE RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
5. ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATERTIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) AND, WHERE REQUIRED, IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS. IF SCHEDULE 80 IS USED, INCREASE CONDUIT DIAMETER ONE TRADE SIZE FOR CONDUITS LESS THAN 4" DIA. RIGID STEEL CONDUIT IN CONTACT WITH EITHER EARTH OR CONCRETE SHALL BE WRAPPED TO PREVENT CORROSION.
6. BURIED CONDUIT SHALL BE SCHEDULE 40 PVC. U.O.N.
7. ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THHN INSULATION, (PER PLAN).
8. RUN ELECTRICAL CONDUIT & WIRE BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND METRO PCS CELL SITE ELECTRICAL PANEL/PEDESTAL AS INDICATED ON THIS DRAWING. COORDINATE INSTALLATION WITH UTILITY CO.
9. RUN TELCO CONDUITS BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND METRO PCS CELL SITE TELCO SERVICE CABINET AND EQUIPMENT CABINET(S) AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPES AND TRUE TAPE IN INSTALLED CONDUITS.
10. WHERE CONDUIT BETWEEN WIRELESS EQUIPMENT CABINETS AND METRO PCS CELL SITE ELECTRICAL PEDESTAL AND BETWEEN METRO PCS CELL SITE TELCO SERVICE CABINET ARE UNDERGROUND, USE PVC SCHEDULE 40 CONDUIT. ABOVE THE GROUND PORTION OF THESE CONDUITS SHALL BE W.P. FLEXIBLE METALLIC CONDUIT.
11. ALL EQUIPMENT SHALL HAVE NEMA 3R ENCLOSURE.
12. WHERE APPLICABLE, POWER PEDESTAL IS SUPPLIED BY METRO PCS.
13. CALL U.S.A. 1-800-642-2444 24 HOURS PRIOR TO COMMENCING ELECTRICAL OR TELCO WORK.
14. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR FINAL AND EXACT WORK/MATERIALS REQ. AND CONSTRUCT TO UTILITY COMPANY ENGINEERING PLAN AND SPECIFICATIONS ONLY.
15. CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT, PULLWIRES, CABLE PULLBOXES, CONC ENCASEMENT OF CONDUIT (IF REQ.), TRANSFORMER PAD, BARRIERS, POLE RISERS, TRENCHING, BACKFILL, AND INCLUDE ANY UTILITY COMPANY REQ. IN SCOPE OF WORK

EXHIBIT E

GROUNDING LEGEND

	TYP. #2 TINNED BCW (BARE COPPER WIRE) U.G. GROUND RING @ MIN. 18" BELOW FINISH GRADE, OR 6" BELOW LOCAL FROST LINE WHICHEVER IN DEEPER.
	TYP. #2 TINNED BCW DOWN LEAD
	TYP. CADWELD CONNECTION. SEE DETAIL 5/E-1
	TYP. FINAL DOUBLE CRIMPED CONNECTIONS TO INTERIOR HALO RING ONLY
	TYP. TWO HOLE LONG BARREL COMPRESSION LUG, TWO (2) 5/16" DIA. BOLTS, & STAR LOCK WASHERS.
	TYP. CADWELD INSPECTION WELL. TOTAL OF (2) SEE DETAIL 2/E-2
	TYP. 5/8" DIA. x 10'-0" LONG COPPER CLAD GROUND ROD, 18" BELOW FINISH GRADE, OR 6" BELOW LOCAL FROST LINE, WHICHEVER IS DEEPER. 10'-0" O.C. HARGER #5810. SEE DETAIL 2/E-2

GROUNDING NOTES

1. GROUNDING SHALL COMPLY WITH CEC ART. 250.
2. GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY OWNER
3. USE #2 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
4. ALL GROUND CONNECTIONS TO BE BURNDY LONG BBL COMPRESSION TYPE CONNECTORS OR APPROVED EQUAL. CADWELD EXOTHERMIC WELD SHALL BE USED WHEN MAIN CONDUCTOR ADJOINS TWO BUS BARS UNLESS OTHERWISE INDICATED ON DRAWINGS. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
5. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY.
6. BOND ANY METAL OBJECTS WITHIN 7 FEET OF NEW METALLIC EQUIPMENT 7' OR FARTHER FROM CABINETS, SHALL HAVE A DEDICATED DOWN CONDUCTOR ROUTED DIRECTLY TO GROUND RING. (DAISY CHAIN "SERIES" GROUNDING IS NOT PERMITTED)
7. SYSTEM GROUND RESISTANCE MUST BE 5 OHMS OR LESS. TO ACHIEVE THIS LEVEL OF RESISTANCE THE CONTRACTOR SHALL PURSUE ONE OF THE FOLLOWING FOUR OPTIONS:
   a. CONNECT TO EXISTING GROUNDING SYSTEM.
   b. CONNECT TO BUILDING STEEL COLUMNS.
   c. INSTALL NEW GROUNDING SYSTEM.
   d. INSTALL NEW CHEMICAL ROD (S).
   UPON COMPLETION OF THE GROUNDING INSTALLATION THE CONTRACTOR SHALL EMPLOY AN OWNER APPROVED 3rd PARTY (PAID FOR BY OWNER) CONDUCT A "FALL OF POTENTIAL" TEST AND SUBMIT A REPORT OF SUCH TO CONDUCT A "FALL OF POTENTIAL" TEST AND SUBMIT A REPORT OF SUCH TEST FOR APPROVAL TO EITHER THE OWNER OR ARCHITECT/ENGINEER.
8. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE LONG BARREL COMPRESSION TYPE COPPER LUGS AND KOPRSHIELD PLACED BETWEEN LUGS AND GROUND BAR.
9. THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS. THE GROUND RODS SHALL BE 5/8" x 10' COPPER CLAD STEEL. SPACED AT 10' APART MAX. THE RODS SHALL BE INTERCONNECTED WITH #2 SOLID TINNED COPPER GROUND WIRE BURIED A MINIMUM 18" BELOW THE SURFACE OF THE SOIL. AN ONSITE INSPECTION BY OWNER SHALL BE REQ. PRIOR TO ANY BACKFILL.
10. ALL UNDERGROUND ELECTRODES SHALL BE BONDED TO STEEL REINFORCING EMBEDDED IN THE CONCRETE SLAB AND CONCRETE MONOPOLE FOUNDATION.
11. CONTRACTOR MUST APPLY BUTYL & ELECTRICAL TAPE AT ALL LOCATIONS. FOR WEATHER-PROOFING OVER GROUND KITS. MORE BUTYL TAPE MAY NEED TO BE APPLIED THAN WHAT IS PROVIDED WITH THE MFGR. KIT. (CONTRACTOR TO FURNISH).

GENERAL NOTES:

* PROVIDE MIN. 36" WORK CLEARANCE IN FRONT OF PANELS/SERVICE EQUIPMENT
* ALL BREAKERS SHOWN SHALL BE RATED MIN., 10,000 RMS SYMETRICAL AMPS, 240V AC MAX 75 DEG. C. MIN. OR TO EXCEED AIC PROVIDED BY UTILITY, WHICHEVER IS GREATER
* ALL WIRING SHALL BE RATED 75 DEG. C.

PROJECT:
BASS LAKE Site No. SAC-149-LTE

SITE ADDRESS:
3000 ALEXANDRITE DRIVE
RESCUE, CA 95672

REVISIONS

NO.	DESCRIPTION:	DATE:	BY:
1	90% CONST. DOC'S	12-28-10	VRT
2	100% CONST. DOC'S	5-18-11	VRT
3	REV 100% CONST. DOC'S	6-24-11	JMR

PREPARED FOR:

metroPCS
785 ORCHARD DR. ste. 200
FOLSOM, CA. 95630

APPROVALS

DATE:	BY:

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

DRAWING TITLE
ELEC./GROUNDING SHEET

SEAL: REGISTERED PROFESSIONAL ENGINEER CHRIS OLIVEIRA NO. C 33407 exp. 06/30/12 CIVIL STATE OF CALIFORNIA

DRAWN BY: VRT	PROJECT NO.: SAC-149-LTE
CHECKED BY:	CADD FILE NO.:
SCALE: AS NOTED	DRAWING NO.: E-1
DATE: 12-3-10	
PRINTED:	SHEET OF

metroPCS

August 17, 2011

El Dorado County Development Services Department
2850 Fairlane Court
Placerville, CA 95667

RE: **MetroPCS Project: SAC-149/Bass Lake- Project Description**
Modification of Existing MetroPCS Collocation on GTP Monopine Telecom Facility
Site Address: 3000 Alexandrite Dr, Rescue, CA 95672
APN: 102-210-08, Existing Use Permit #S03-21

The project description described below is part of a network wide upgrade whereby MetroPCS ("Metro") is modifying virtually all of its cell sites to provide both voice and data services to its customers. As it stands now this cell site provides voice services only or what is referred to as basic cell phone service. The addition of data services is a significant upgrade for Metro's network and clients.

Currently Metro is collocated on a monopine facility owned by Global Towers Partners ("GTP"), approved through **USE PERMIT # S03-21, dated April 22, 2005**. This approval gives Metro the right to mount up to six (6) panel antennas on the tower structure and to place up to six (6) equipment cabinets on the ground adjacent to the tower structure.

Metro is proposing to replace three (3) existing antennas currently mounted at a centerline height of approximately 70'on an existing 85' monopine structure located at the address referenced above with three (3) new larger antennas. The three (3) antennas being replaced are approximately 51" X 5" X 3" in size. The three (3) new antennas are approximately 81" x 7.7" x 4.8" in size. The new antennas are slightly larger than the original antennas. The new antennas will be located on the existing Metro antenna mounts and will be inside the existing foliage of the monopine. All antennas and mounting hardware will be painted to match the existing monopine as required by the original use permit. One (1) additional outdoor equipment cabinet will be placed inside the existing fenced Metro equipment compound.

Metro believes this minor modification of use permit S03-21 and the associated five year telecommunication site review should be approved as requested. The existing special use permit allowed for up to six panel antennas total. Metro's 14'x 19' lease area will remain unchanged. Use permit **S03-21** allows for six ground based cabinets. With the addition of one more outdoor cabinet, Metro's total cabinet number will increase to three, also consistent with the original special use permit.

Please contact me if you have any questions or comments regarding Metro's request for approval for the minor modification and five year telecommunications project review described above.

Respectfully,

Timothy Miller
Consultant to MetroPCS
916-826-4232
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O: 916.984.2698 C: 916-912-3784 F: 916-984-2660

EXHIBIT F **S 03-0021-R**

Photosimulation of view looking northeasterly from a golf cart path.

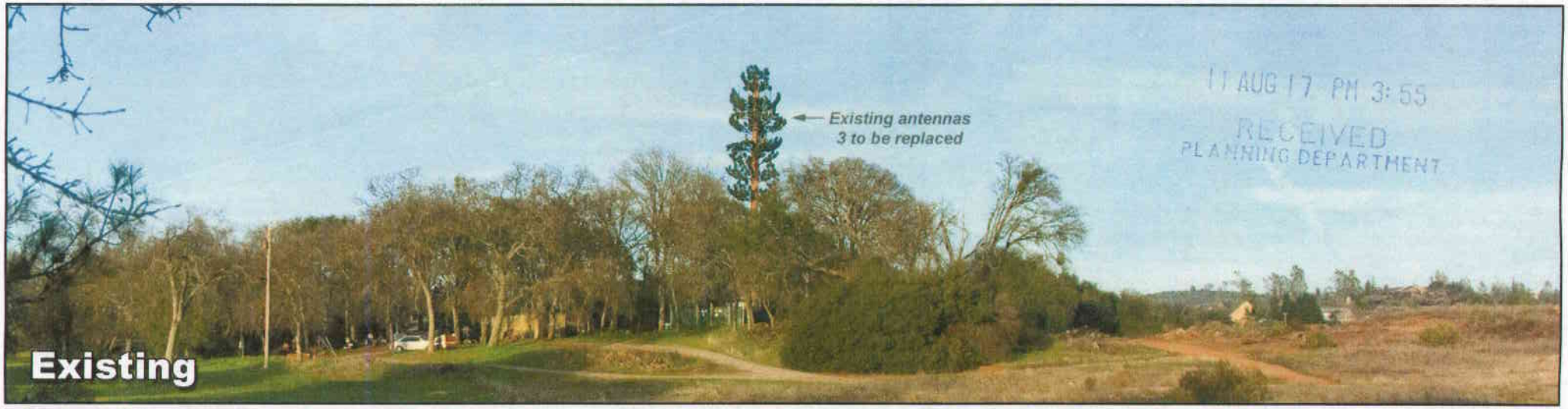

EXHIBIT G