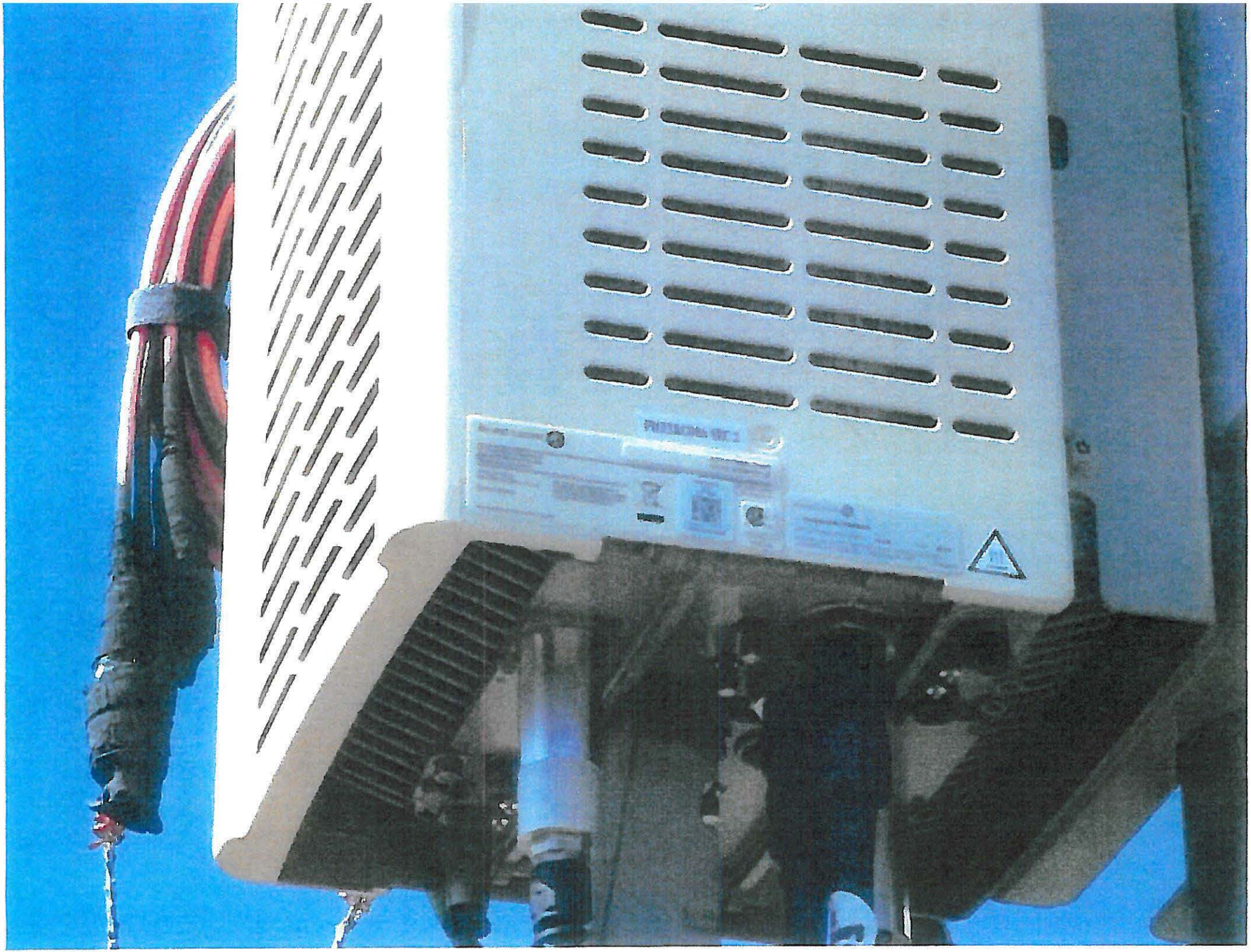

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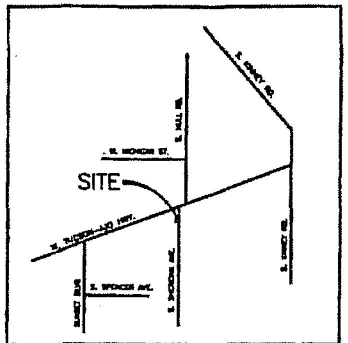
MARTINA MOUNTAIN

PH29XC046

4005 SOUTH SHERIDAN AVE.

TUCSON, AZ 85735



VICINITY MAP

DRIVING DIRECTIONS

PROJECT DESCRIPTION

CODE COMPLIANCE

APPLICANT/LESSEE

PROPERTY INFORMATION

AREA OF CONSTRUCTION:	294 SQ. FT.
OCCUPANCY TYPE:	B
CONSTRUCTION TYPE:	V
CURRENT ZONING:	C-1
ZONING APPLICATION #:	N/A
A.P.N.:	N/A

PROJECT SUMMARY

ARCHITECT:

STRUCTURAL ENGINEER:

ELECTRICAL ENGINEER:

SURVEYOR:

PROJECT TEAM

SHEET	DESCRIPTION	REV.
T1	TITLE SHEET	3
LS1	SURVEY SHEET	1
A1	SITE PLAN	3
A2		3
A3	ELEVATIONS	3
A4	DETAILS	1
S1		1
S2	FOUNDATION PLAN, DETAILS	1
E1		1
E2		1
E3		1

SHEET INDEX — PERMIT

DO NOT SCALE DRAWINGS

GENERAL CONTRACTOR NOTES

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PROJECT INFORMATION:

MARTINA MOUNTAIN
PH29XC046
4005 SOUTH SHERIDAN AVE.
TUCSON, AZ 85735
PIMA COUNTY

CURRENT ISSUE DATE:

10/29/99

ISSUED FOR:

PERMIT

REV.	DATE	DESCRIPTION	BY
3	10/29/99	ISSUED FOR PERMIT 90%	
2	9/9/99	ISSUED FOR ZONING (100%)	JC
1	7/29/99	ISSUED FOR ZONING (90%)	

PLANS PREPARED BY:

DELTA GROUPS ENGINEERING, INC.

CONSULTANT:

DRAWN BY: JC | CHK.: | APV.:

LICENSURE:

SHEET TITLE:

TITLE SHEET

SHEET NUMBER: T1

REVISION: 3

RV

BEFORE ORDERING AND/OR BEFORE FABRICATING/CONSTRUCTING/INSTALLING ANY ITEMS LISTED IN THE TWO TABLES, PLEASE VERIFY THE TYPES AND QUANTITIES.

MATERIALS LIST

3

GENERAL NOTES

1

ANTENNA SECTOR	AZIMUTH	ANTENNA MAKE/MODEL	COAXIAL CABLE LENGTH	CABLE SIZE	COLOR CODE	TOP JUMPER LENGTH	BOTTOM JUMPER LENGTH	COMMENTS
SECTOR [illegible]	[illegible]	[illegible]	[illegible]	7/8"	[illegible]	6'-0"	3'-0"	
SECTOR [illegible]	[illegible]	[illegible]	[illegible]	7/8"	[illegible]	[illegible]	3'-0"	
SECTOR [illegible]	[illegible]	[illegible]	[illegible]	7/8"	[illegible]	[illegible]	[illegible]	
GPS	N/A	GPS ANTENNA	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

NOTE:
CONTRACTOR TO FIELD VERIFY CABLE LENGTHS PRIOR TO ORDERING, FABRICATION, OR INSTALLATION OF CABLES.

ABBREVIATIONS

5

LEGEND

4

ANTENNA & CABLE SCHEDULE

2

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4683 CHABOT DRIVE, SUITE 100
PLEASANTON, CA 94588

PROJECT INFORMATION:

MARTINA MOUNTAIN
PH29XC046
4005 SOUTH SHERIDAN AVE.
TUCSON, AZ 85735
PIMA COUNTY

CURRENT ISSUE DATE:

10/29/99

ISSUED FOR:

PERMIT

REV.	DATE	DESCRIPTION	BY
1	10/29/99	ISSUED FOR PERMIT BOX	[illegible]

PLANS PREPARED BY:

DELTA GROUPS ENGINEERING, INC.

CONSULTANT:

DRAWN BY: RV
CHK.:
APV.:

LICENSURE:

SHEET TITLE:

GENERAL NOTES
MATERIALS LIST
LEGEND
ABBREVIATIONS

SHEET NUMBER: T2
REVISION: 1

RV

NOTES

A) THIS PARCEL SURVEYED WITHOUT THE BENEFIT OF A TITLE REPORT

B) BASIS OF BEARINGS: WEST LINE OF NW 1/4 SECTION 36, T-14-S, R-12-E, ACCORDING TO BOOK 14, RECORD OF SURVEY, PAGE 47, SAID BEARING BEING N 00°11'35" E.

C) BASIS OF ELEVATIONS: BCHM AT THE NORTHWEST CORNER OF SECTION 36, SAID ELEVATION BEING 2601.73 (NAVD 88)

D) TOTAL AREA OF LEASED PROPERTY = [illegible] SF

E) EXISTING POLE:
NAD 83 { LATITUDE= 32°[illegible]" N; LONGITUDE= 111°04'47.38" W }
NAVD 88- ELEVATION AT GROUND= 2586.7

F) USGS MAP- CAT MOUNTAIN

G) SET 1/2" IRON PIN, RLS 14145 AT ALL CORNERS OF LEASE- UNLESS NOTED

DESCRIPTION OF LEASE SITE

That portion of Section 36, Township 14 South, Range 12 East, Gila and Salt River Meridian, Pima County, Arizona, described as follows:

COMMENCING at the Northwest corner of said Section 36;

THENCE South 00°11'35" W, along the West Line of the Northwest One-Quarter (NW 1/4) of said Section 36, a distance of [illegible] feet to the Northwest corner of the parcel recorded in Docket 9101 at Page 353, Pima County Recorder's Office, Pima County, Arizona;

THENCE S 89°47'45" E, along the North line of said parcel, a distance of 14.00 feet to the POINT OF BEGINNING;

THENCE continue S 89°47'45" E, along said North line, 13.00 feet to the East line of said parcel;

THENCE S 00°11'35" W, along said East Line, 22.30 feet to an existing chain link fence;

THENCE N 87°29'31" W, along said chain link fence, 13.01 feet;

THENCE N 00°11'35" E 21.91 feet to the POINT OF BEGINNING;

Containing 286 square feet, more or less.

DESCRIPTION OF ACCESS EASEMENT

That portion of Section 36, Township 14 South, Range 12 East, Gila and Salt River Meridian, Pima County, Arizona, described as follows:

COMMENCING at the Northwest corner of said Section 36;

THENCE South 00°11'35" W, along the West Line of the Northwest One-Quarter (NW 1/4) of said Section 36, a distance of [illegible] feet to the Northwest corner of the parcel recorded in Docket 9101 at Page 353, Pima County Recorder's Office, Pima County, Arizona;

THENCE S 89°47'45" E, along the North line of said parcel, a distance of 8.97 feet to the POINT OF BEGINNING on the East edge of pavement of an existing road;

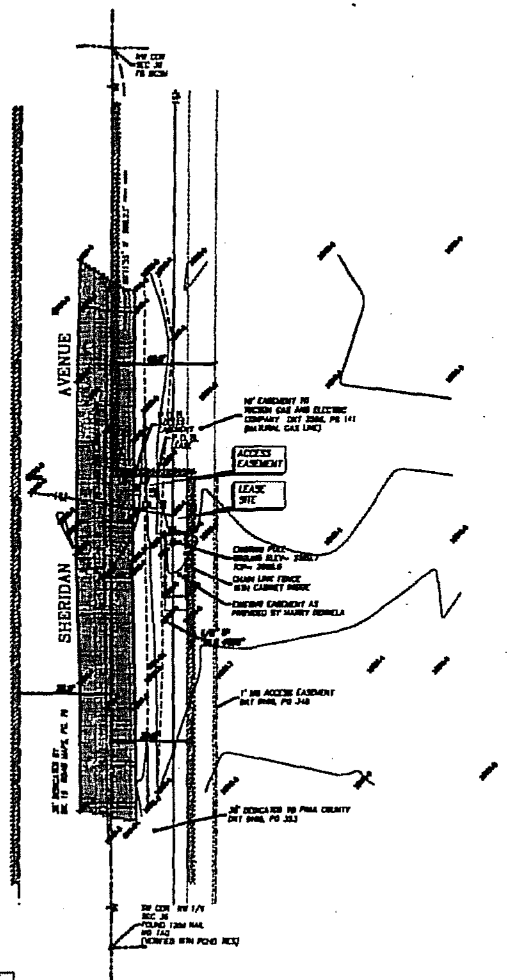
THENCE continue S 89°47'45" E, along said North line, a distance of 8.93 feet;

THENCE S 00°11'35" W, 12.00 feet;

THENCE N 89°47'45" W, 8.99 feet to said East Edge of pavement;

THENCE N 00°53'27" E along East edge, 12.00 feet to the POINT OF BEGINNING;

Containing 108 square feet, more or less.

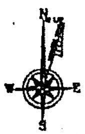


LEGEND

■	WATER METER	—OU—	OVERHEAD UTILITY
▼	FIRE HYDRANT	—x—x—	FENCE LINE
⟵	UTILITY POLE		BLUESTAKE (WATER)
	PEDESTAL		EXISTING EASEMENT
	GAS MARKER		1" HR ACCESS EASEMENT
◎	POWER POLE	•	SET 1/2" IRON PIN "RLS 14145"
(R)	RECORDED	▲	FOUND SURVEY MONUMENT - AS NOTED
(M)	MEASURED		

LINE TABLE

LINE	BEARING	DISTANCE
L1	S 89°47'45" E	14.00
L2	S 89°47'45" E	13.00
L3	S 00°11'35" W	22.30
L4	N 87°29'31" W	13.01
L5	N 00°11'35" E	21.91
L6	S 89°47'45" E	8.97
L7	S 89°47'45" E	8.93
L8	S 00°11'35" W	12.00
L9	N 89°47'45" W	8.99
L10	N 00°53'27" E	12.00



SITE PLAN

PLAN NORTH | SCALE: 1"=30' | 1

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4683 CHABOT DRIVE, SUITE 100
PLEASANTON, CA 94588

PROJECT INFORMATION:
MARTINA MOUNTAIN
PH33XC046
4005 SOUTH SHERIDAN AVE.
TUCSON, AZ 85735
PIMA COUNTY

CURRENT ISSUE DATE:
9\8\99

ISSUED FOR:
ZONING

REV.	DATE	DESCRIPTION	BY

PLANS PREPARED BY:
DELTA GROUPS ENGINEERING, INC.
CONSULTING ENGINEERS

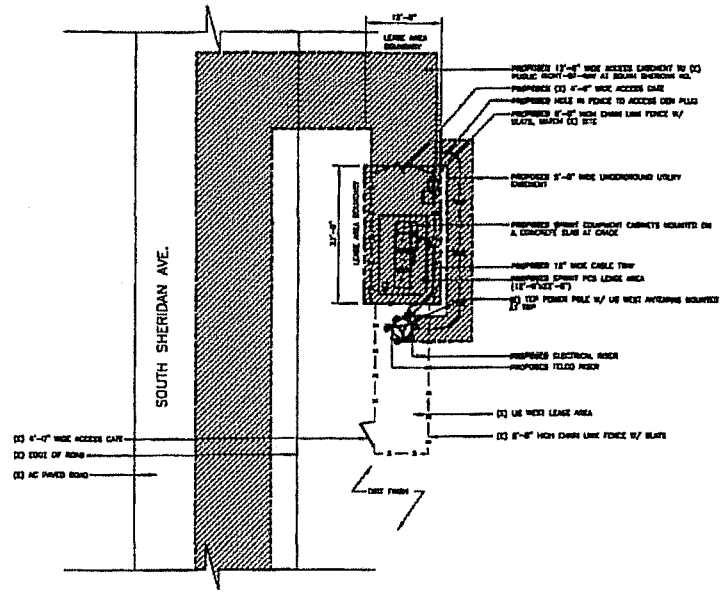
CONSULTANT:
eec
Engineering and Environmental Consultants, Inc.

DRAWN BY:	CHK.:	APV.:
KA	JLD	

LICENSURE:

SHEET TITLE:
SITE SURVEY
GENERAL INFORMATION

SHEET NUMBER: LS1
REVISION: 0
999464



NOTES:
THIS SITE PLAN IS TO BE BASED ON THE SURVEY. OTHER THAN THE LEASE AREA ITSELF, ALL DIMENSIONS, CONTOURS, NORTH ARROW, ETC., ON THIS DRAWING ARE SUBJECT TO CONFIRMATION BY THE SURVEYOR. SURVEY WILL ALSO NEED TO VERIFY THE EXACT WIDTH OF THE (E) US WEST LEASE AREA.

SITE PLAN

PLAN NORTH | SCALE: 1/8"=1' | 2

BENCH MARK:
OFF SITE: N/A

ELEVATION: N/A

1. ELEVATIONS ARE U.S.G.S. DATUM.
2. SURVEY INFORMATION SHOWN IS OBTAINED FROM A SURVEY PREPARED BY ENGINEERING AND ENVIRONMENTAL CONSULTANTS TITLED MARTINA MOUNTAIN DATED 8/8/99
3. THE ARCHITECT/ENGINEER DELTA GROUPS ENGINEERING AND REPRESENTATIVES OF THE OWNER, MUST BE NOTIFIED AT LEAST TWO FULL DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION AT (949) 833-8333
4. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
5. DO NOT SCALE BUILDING DIMENSIONS FROM DRAWINGS.
6. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE RETURNED TO ITS ORIGINAL CONDITION PRIOR TO COMPLETION OF WORK. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-CONSTRUCTED DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ENGINEER AT COMPLETION OF PROJECT.
7. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT/ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
8. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHOULD BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER FOR RESOLUTION AND INSTRUCTION, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT HIS/HER OWN RISK AND EXPENSE. CONTRACT SHALL CALL LOCAL DIGGER HOT LINE FOR UTILITY LOCATIONS 48 HOURS PRIOR TO START OF CONSTRUCTION.
9. ALL ROW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK.
10. THE BUILDING DEPARTMENT ISSUING THE BUILDING PERMIT SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK OR AS STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
11. GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO EXISTING GRADES AT THE GRADING LIMITS.
12. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
13. STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 100% OF MAXIMUM STANDARD PROCTOR DRY DENSITY.
14. NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 90% OF STANDARD PROCTOR DENSITY.
15. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFTS THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
16. ANY FILLS PLACED ON EXISTING SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE EXISTING SLOPE AS DIRECTED BY A GEOTECHNICAL ENGINEER.
17. THE GRADES WITHIN THE FENCED-IN AREA ARE TO BE ACHIEVED BY COMPACTING CLEAN FILL TO A DENSITY OF 90% OF STANDARD PROCTOR COVERING THE AREA WITH 6 MIL VISQUEENE (1" OVERLAP AT SEAMS) FOR NEED SUPPORTERIAL THEN ACHIEVING FINISH GRADE BY ADDING 6" OF 3/4" CRUSHED STONE-NO FINES.
18. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO PAPERS, TRASH, WEEDS, BRUSH OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
19. ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH THE IMPROVEMENTS SHALL BE PROTECTED BY THE GENERAL CONTRACTOR.
20. DRIVEWAY CONSTRUCTION, GRADING AND DRAINAGE WORK SHALL CONFORM TO ARIZONA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR THE ROAD AND BRIDGE CONSTRUCTION", LATEST EDITIONS, AND ALL APPLICABLE PROVISIONS OR LOCAL COUNTY ORDINANCES.
21. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

SCALE: 1

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4683 CHABOT DRIVE, SUITE 100
PLEASANTON, CA 94588

PROJECT INFORMATION:
MARTINA MOUNTAIN
PH333C046
4005 SOUTH SHERIDAN AVE.
TUCSON, AZ 85735
PIMA COUNTY

CURRENT ISSUE DATE:
10/29/99

ISSUED FOR:
PERMIT

REV.	DATE:	DESCRIPTION:	BY:
3	10/29/99	ISSUED FOR PERMIT 90%	JC
2	9/9/99	ISSUED FOR ZONING 100%	JC
1	7/29/99	ISSUED FOR ZONING 90%	MA

PLANS PREPARED BY:
DELTA GROUPS ENGINEERING, INC.
CONSULTING ENGINEERS
23871 MINN BRIDGE, SUITE 202
LAGUNA, CA 92614-6235
TEL 949-872-8333 FAX 949-472-8331

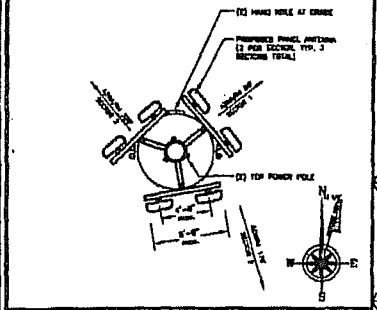
CONSULTANT:

DRAWN BY: CHK.: APV.:
ES

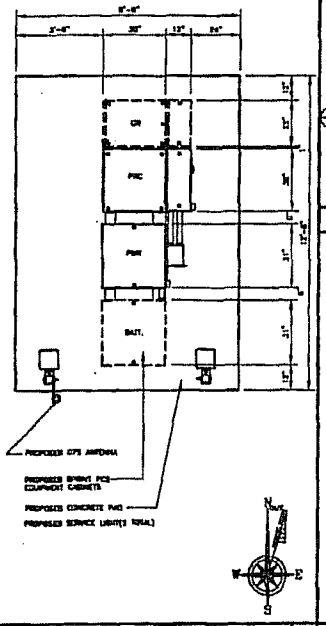
LICENSURE:

SHEET TITLE:
SITE PLAN

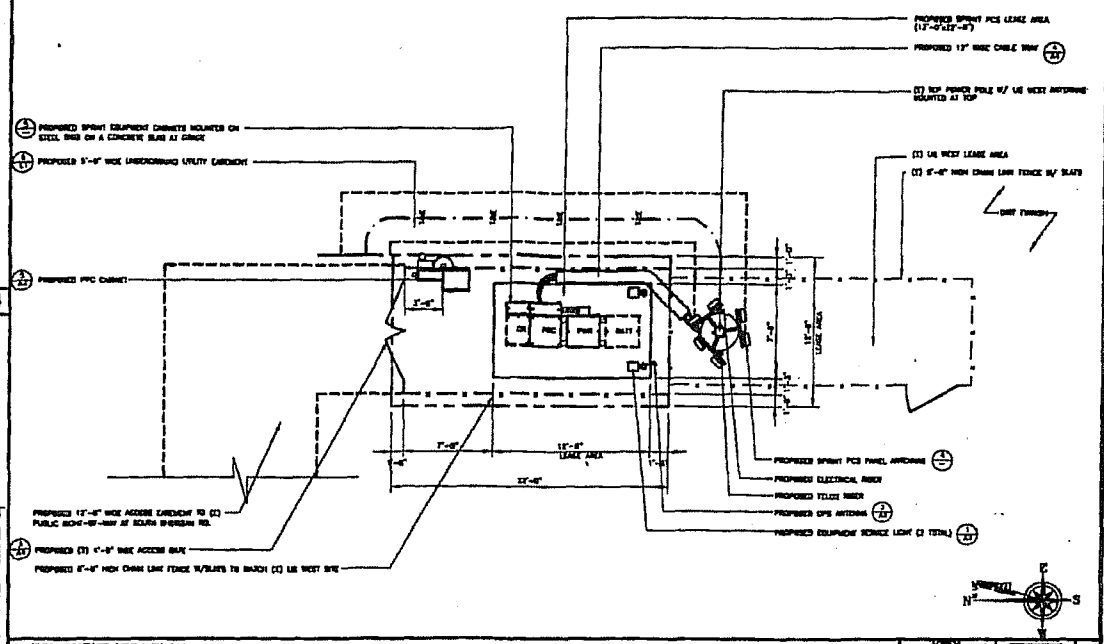
SHEET NUMBER: A1
REVISION: 3
999444



ANTENNA LAYOUT | PLAN NORTH | SCALE: 1/8"=1' | 4

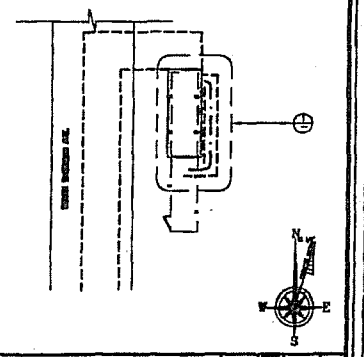


EQUIPMENT LAYOUT | PLAN NORTH | SCALE: 1/8"=1' | 5



EQUIPMENT AREA PLAN | PLAN NORTH | SCALE: 1/8"=1' | 1

UNUSED | PLAN NORTH | SCALE: | 3



KEY PLAN | PLAN NORTH | SCALE: NONE | 2

Sprint
Spectrum PCS™
4683 CHABOT DRIVE, SUITE 100
PLEASANTON, CA 94588

PROJECT INFORMATION:

MARTINA MOUNTAIN
PH2930C046
7075 EAST SOUTHPOINT RD.
TUCSON, AZ 85715
PIMA COUNTY

CURRENT ISSUE DATE:
10/29/99

ISSUED FOR:
PERMIT

REV.	DATE:	DESCRIPTION:	BY:
3	10/29/99	ISSUED FOR PERMIT 90%	MA
2	9/9/99	ISSUED FOR ZONING 100%	JC
1	7/29/99	ISSUED FOR ZONING (90%)	MA

PLANS PREPARED BY:
DELTA GROUPS ENGINEERING, INC.
CONSULTING ENGINEERS
[illegible]

CONSULTANT:

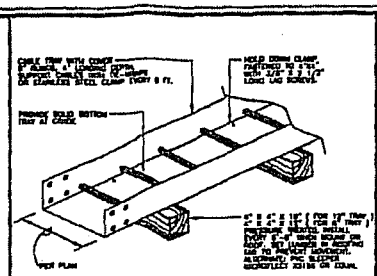
DRAWN BY: JC | CHK.: | APV.:

LICENSURE:

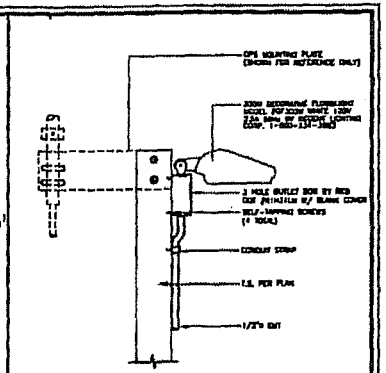
SHEET TITLE:
EQUIPMENT AREA PLAN
KEY PLAN
EQUIPMENT LAYOUT
ANTENNA LAYOUT

SHEET NUMBER: A2 | REVISION: 3

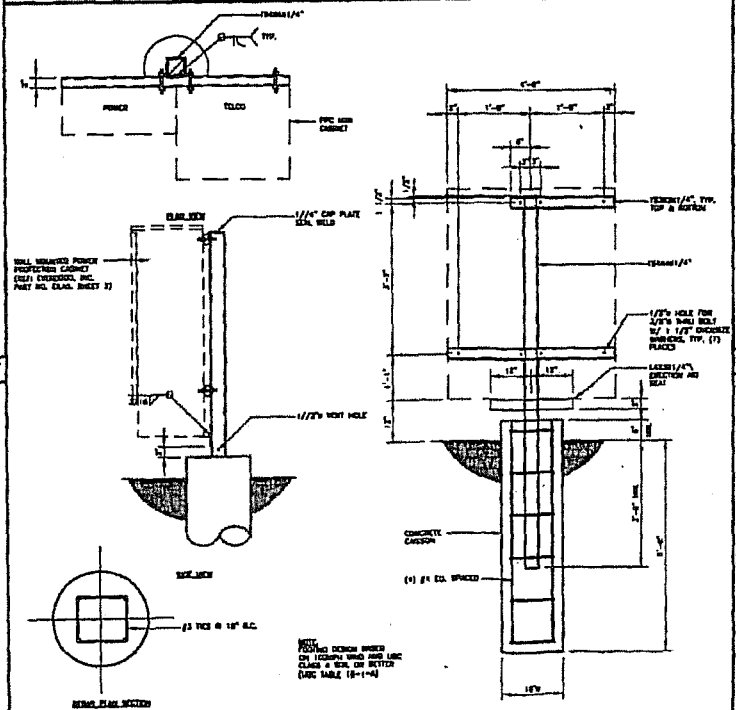
998464



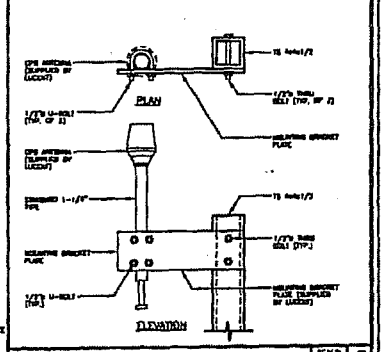
6 HORIZONTAL CABLE TRAY



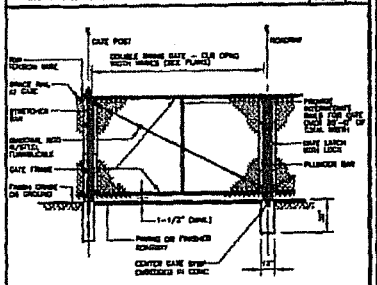
4 SERVICE LIGHTING 1



8 PPC CABINET MOUNTING/CAISSION FOUNDATION 5



GPS ANTENNA 2



DOUBLE SWING GATE 3

7

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4683 CHABOT DRIVE, SUITE 100
PLEASANTON, CA 94588

PROJECT INFORMATION:

MARTINA MOUNTAIN
PH21XC046
7075 EAST SOUTHPOINT RD.
TUCSON, AZ 85715
PIMA COUNTY

CURRENT ISSUE DATE:
10/29/99

ISSUED FOR:
PERMIT

REV.	DATE	DESCRIPTION	BY
1	10/29/99	ISSUED FOR PERMIT RDX	MM

PLANS PREPARED BY:

DELTA GROUP ENGINEERING, INC.
CONSULTING ENGINEERS

CONSULTANT:

DRAWN BY: RV CHK: APV:

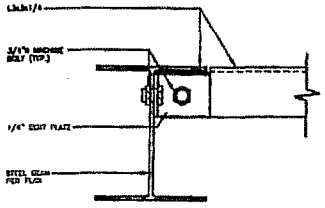
LICENSURE:

SHEET TITLE:
DETAILS

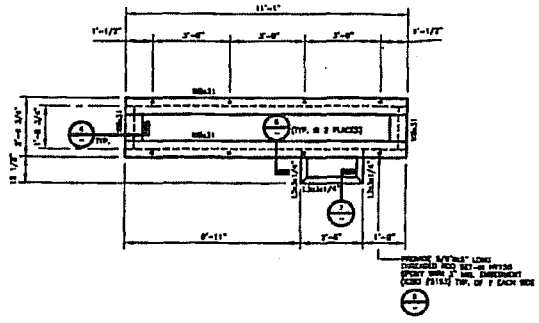
SHEET NUMBER: A4 REVISION: 1

995464

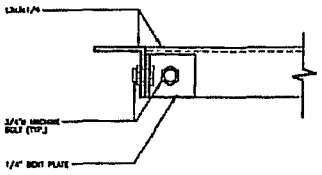
RV



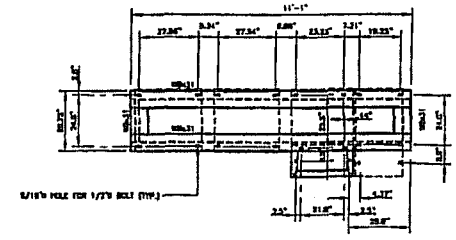
L STEEL TO BEAM | SCALE: NONE | 6



STEEL SKID PLAN | SCALE: NONE | 2

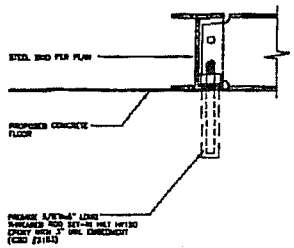


L STEEL TO L STEEL | SCALE: NONE | 7

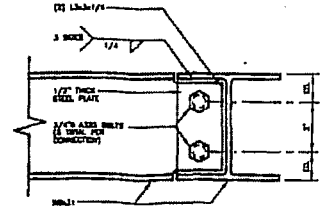


CABINET MOUNTING HOLE LOCATIONS | SCALE: NONE | 3

UNUSED | SCALE: NONE | -



SKID TO CONCRETE SLAB | SCALE: NONE | 5



SECTION @ SKID | SCALE: NONE | 4

GENERAL STRUCTURAL NOTES | SCALE: NONE | 1

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Spectrum

4683 CHABOT DRIVE, SUITE 100
PLEASANTON, CA 94588

PROJECT INFORMATION:

MARTINA MOUNTAIN
PH3XCC046
7075 EAST SOUTHPOINT RD.
TUCSON, AZ 85735
PIMA COUNTY

CURRENT ISSUE DATE:
10/29/99

ISSUED FOR:
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REV.	DATE:	DESCRIPTION:	BY:
1	10/29/99	ISSUED FOR BOX PERMIT	

PLANS PREPARED BY:

DELTA GROUPS ENGINEERING, INC.
CONSULTING ENGINEERS

CONSULTANT:

DRAWN BY: RV | CHK.: | APV.:

LICENSURE:

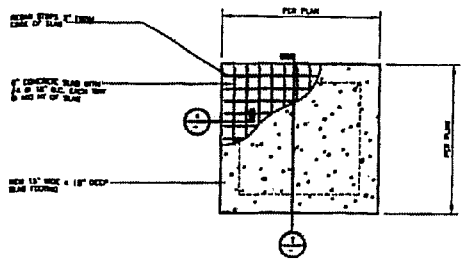
SHEET TITLE:
GEN. STRUCTURAL NOTES
EQUIPMENT SKID
DETAIL

SHEET NUMBER: S1 | REVISION: 1

99144

RV

UNUSED - UNUSED -



FOUNDATION PLAN 1

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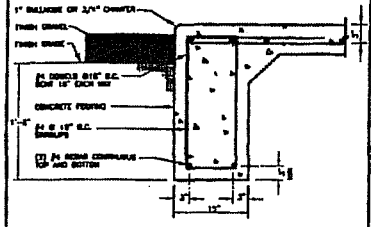
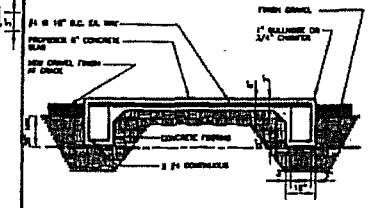


FOOTING SECTION 4



SLAB SECTION 2

UNUSED - UNUSED -

UNUSED -

Sprint.

4683 CHABOT DRIVE, SUITE 100
PLEASANTON, CA 94588

PROJECT INFORMATION:

MARTINA MOUNTAIN
PHXVIC046
7075 EAST SOUTHPOINT RD.
TUCSON, AZ 85735
PIMA COUNTY

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REV.	DATE	DESCRIPTION	BY
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PLANS PREPARED BY:

DELTA GROUPS ENGINEERING, INC.
CONSULTING ENGINEERS

CONSULTANT:

DRAWN BY: RV | CHK.: | APV.:

DISCLOSURE:

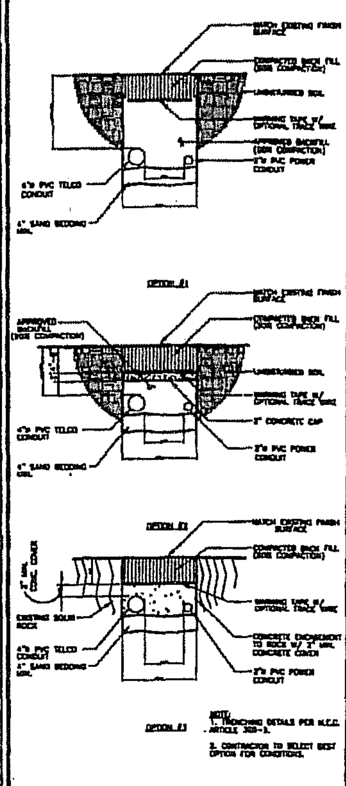
SHEET TITLE:

FOUNDATION PLANS
DETAILS

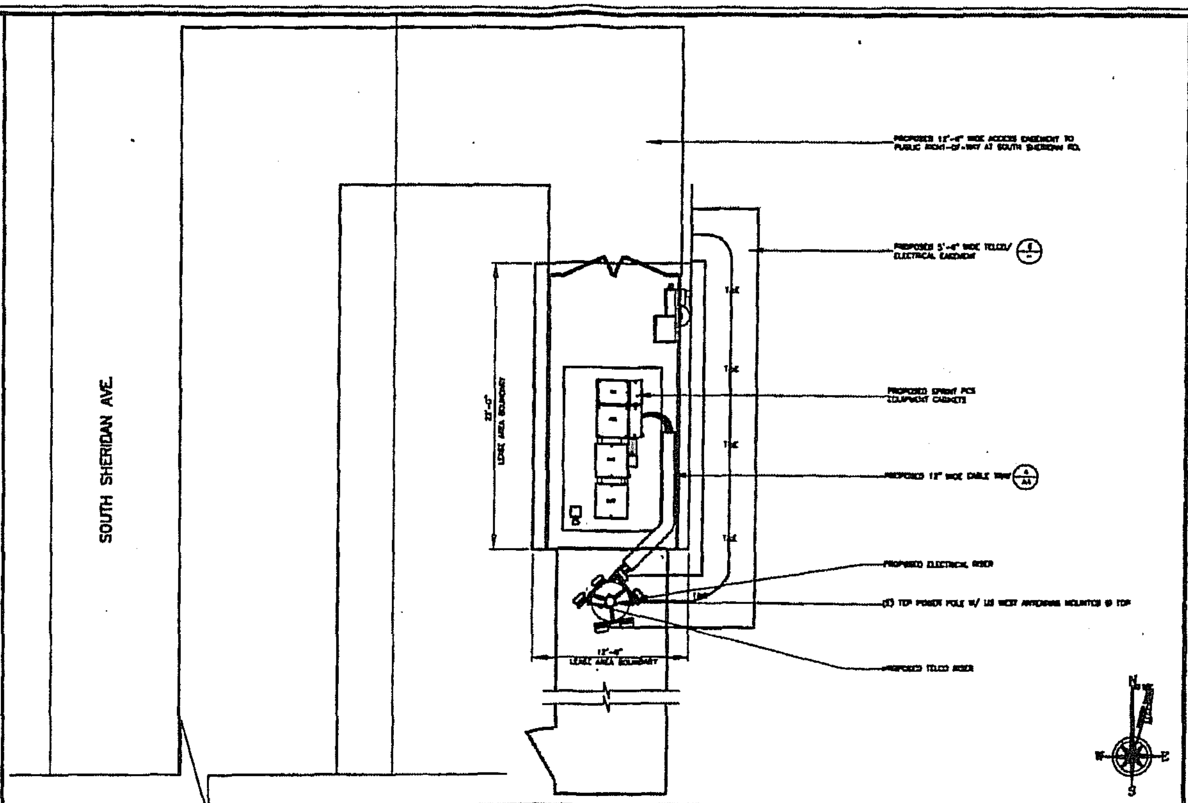
SHEET NUMBER: S2 | REVISION: 1

999464

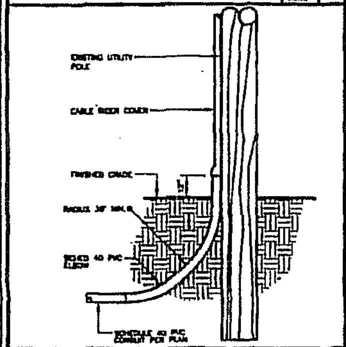
RV



UTILITY TRENCHING | SCALE: NONE | 6



POWER, TELCO & COAXIAL CABLE ROUTING | SCALE | 1



CONDUIT STUB-UP | SCALE: NONE | 7

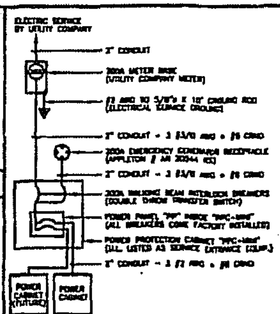
PANEL "PP" – 120/240V 1Ø 3W							200A MAIN BREAKER
DESCRIPTION		No.	L1	L2	No.		DESCRIPTION
[illegible]		1	[illegible]	–	2		[illegible]
		3		[illegible]	4		
[illegible]		5	[illegible]	–	6		[illegible]
[illegible]		7	–	[illegible]	8		
[illegible]		9	–	[illegible]	11		[illegible]
[illegible]		8	[illegible]	[illegible]	12		[illegible]
LOAD PHASE			[illegible]	[illegible]			
TOTAL CONNECTED LOAD			[illegible] < 200A				

PANEL SCHEDULE | SCALE: NONE | 4

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

POWER: PACIFIC CORP. TELEPHONE: U.S. WEST

UTILITY GENERAL NOTES | SCALE: NONE | 5



NOTES:
1. SERVICE POWER SHALL BE 200A, 120/240V, 1Ø, 3W.
2. UTILITY RECEPTACLE IS A GFCI DUPLEX OUTLET INSTALLED IN THE DEADFRONT OF THE PPC.
3. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENTS REFER TO VENDOR PRINTS BY PPC MFR. NORTHERN TECHNOLOGIES INC. PART NO. [illegible] U.L. LISTED.
4. PROVIDE A MIN. 36" WORK CLEARANCE IN FRONT OF PANELS/SERVICE EQUIP.
5. ALL BREAKERS IN THE PANEL ARE RATED 10,000 AMS SYMMETRICAL AMPS, 240V MIN., 75° C.
6. ALL WIRING SHALL BE RATED FOR 75° C.
7. CONDUIT REQUIREMENTS (TYP. U.N.O.): UNDERGROUND: PVC (SCHED. 40 OR 80) INDOOR: EMT (RGS IN TRAFFIC AREAS) OUTDOOR (ABOVE GRADE): RGS

1-LINE DIAGRAM FOR OUTDOOR EQUIP. | SCALE: NONE | 3

UNUSED | SCALE: NONE | 2

Sprint. Sprint PCS
4683 CHABOT DRIVE, SUITE 100
PLEASANTON, CA 94588

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PH29XC046
7075 EAST SOUTHPOINT RD.
TUCSON, AZ 85735
PIMA COUNTY

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DELTA GROUPS ENGINEERING, INC.
CONSULTING ENGINEERS

CONSULTANT:

DRAWN BY: RV | CHK.: | APV.:

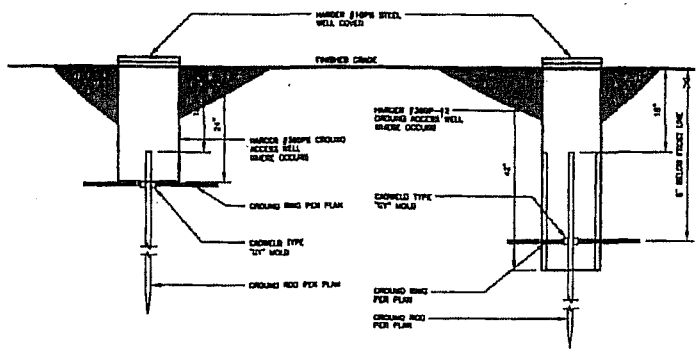
LICENSURE:

SHEET TITLE:
POWER, TELCO & COAX. ROUTING
1-LINE DIAGRAM
PANEL SCHEDULE
NOTES & DETAILS

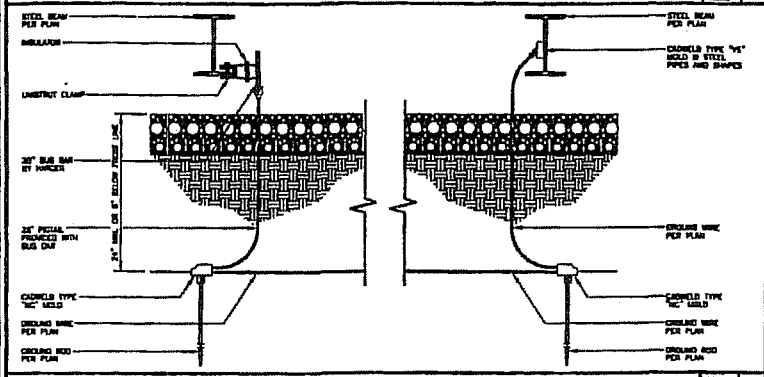
SHEET NUMBER: E1 | REVISION: 1

998464

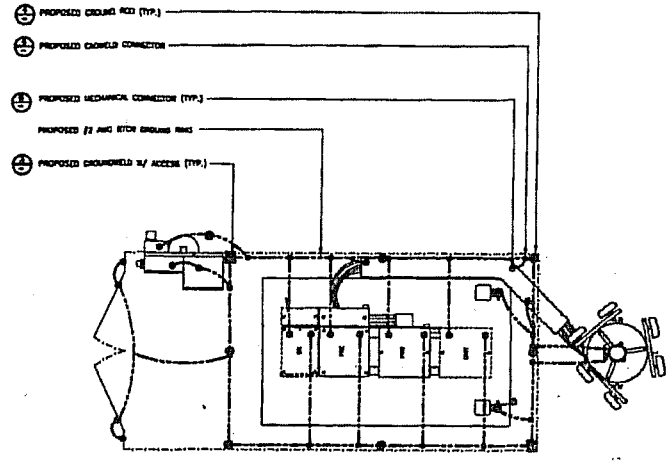
RV



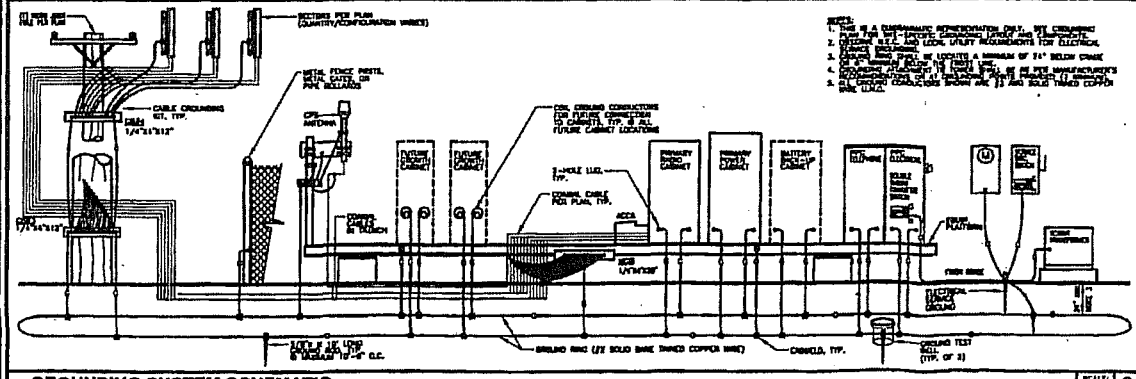
GROUND WELLS — SCALE: NONE — 4



MASTER GROUND BUS & CADWELD CONNECTIONS — SCALE: NONE — 5



EQUIPMENT AREA GROUNDING LAYOUT — SCALE: 1/8" — 1



GROUNDING SYSTEM SCHEMATIC — SCALE: NONE — 3

GROUND NOTES — SCALE: NONE — 2

1. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION REQUIREMENTS AND CONSTRUCTION ACCORDING TO SITE CONDITIONS.
2. ALL GROUNDING CONDUCTORS: #2 AWG SOLID BARE TINNED COPPER WIRE UNLESS OTHERWISE NOTED.
3. GROUND BUS LOCATED IN BASE OF EQUIPMENT WILL BE PREMADE, FURNISHED AND INSTALLED BY THE VENDOR.
4. ALL BELOW GRADE CONNECTIONS: EXOTHERMIC WELD TYPE, ABOVE GRADE CONNECTIONS: EXOTHERMIC WELD TYPE.
5. EXTERIOR GROUNDING CONDUCTORS BURIED TO A MINIMUM DEPTH OF 1'-6" BELOW FINISHED GRADE TO ALLOW FOR FUTURE CONSTRUCTION.
6. METAL GROUND CONDUCTORS AND GROUND ROD MINIMUM OF 1'-0" FROM EQUIPMENT CONCRETE SLAB, SPREAD FOOTING, OR FENCE.
7. EXOTHERMIC WELD GROUND CONNECTION TO FENCE POST: TREAT WITH A COLD GALVANIZED SPRAY.
8. GROUND BARS:
   A. EQUIPMENT GROUND BUS BAR (EGB) LOCATED AT BOTTOM OF ANTENNA POLE/MAST ITEM MAKING GROUNDING JUMPER CONNECTIONS TO COAX FEEDER CABLES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. JUMPERS (FURNISHED BY OWNER/GC) SHALL BE INSTALLED AND CONNECTED BY ELECTRICAL CONTRACTOR.
   B. MAIN GROUND BUS BAR (MGB) LOCATED NEAR THE BASE OF THE RADIO EQUIPMENT CABINET(S) SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
9. ALL GROUNDING INSTALLATIONS AND CONNECTIONS SHALL BE MADE BY ELECTRICAL CONTRACTOR.

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DELTA GROUPS ENGINEERING, INC.
CONSULTING ENGINEERS

CONSULTANT:

DRAWN BY: RV | CHK: | APV:

LICENSURE:

SHEET TITLE:
GROUNDING LAYOUT
GROUNDING NOTES
GROUNDING SCHEMATIC
DETAILS

SHEET NUMBER: E2 | REVISION: 1

999464

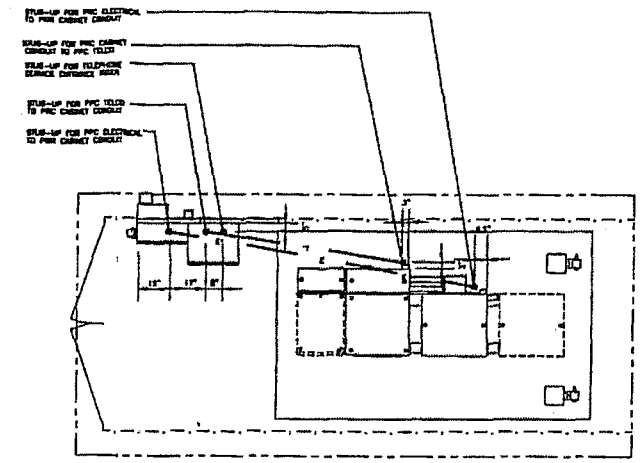
RV

UNUSED

UNUSED

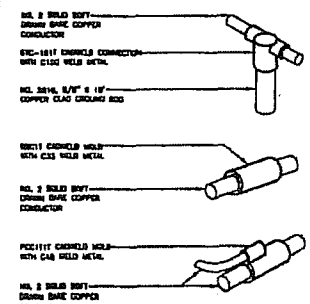
UNUSED

UNUSED

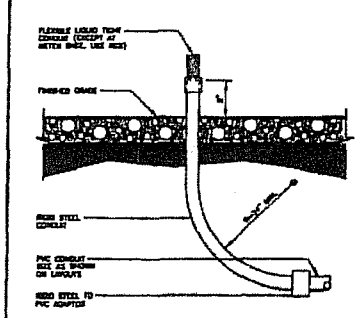


CONDUIT STUB-UP 1

CADWELD DETAILS



CONDUIT STUB OUT 3



CONDUIT STUB-UP @ EQUIPMENT 2

Sprint.

4683 CHABOT DRIVE, SUITE 100
PLEASANTON, CA 94588

PROJECT INFORMATION:

MARTINA MOUNTAIN
PH2XXC046
7075 EAST SOUTHPOINT RD.
TUCSON, AZ 85715
PIMA COUNTY

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PLANS PREPARED BY:

DELTA GROUPS ENGINEERING, INC.
CONSULTING ENGINEERS

CONSULTANT:

DRAWN BY: RV CHK: APV:

LICENSURE:

SHEET TITLE:

CONDUIT STUB-UP LAYOUT & DETAILS

SHEET NUMBER: E3 REVISION: 1

9758464

RV