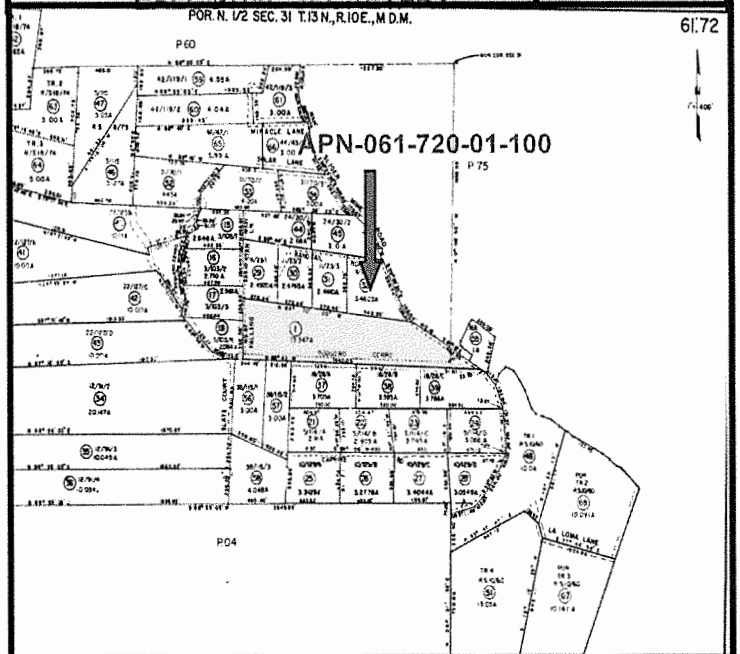


APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION

DATE *October 26, 2017*

BY *Roger Trout / cmr*
 EXECUTIVE SECRETARY

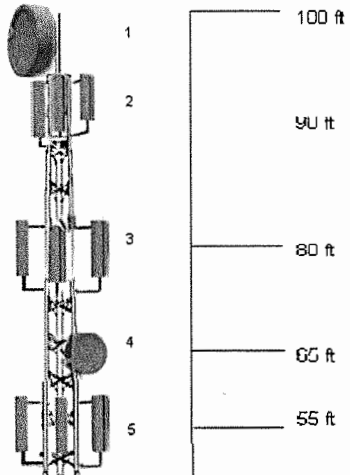
Vicinity Map



Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Clark Project Site - Site Plan
 2040 Slinger Mine Rd. Greenwood, Ca 95635 **Cal.net**



Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Clark Project Site - Gates & Parking
2040 Slinger Mine Rd. Greenwood, Ca 95635 **Cal.net**

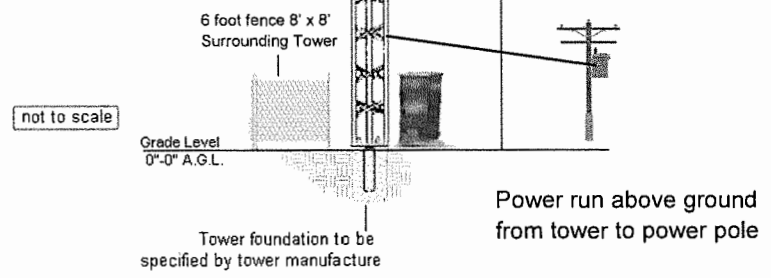


Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP

Proposed North
Elevation

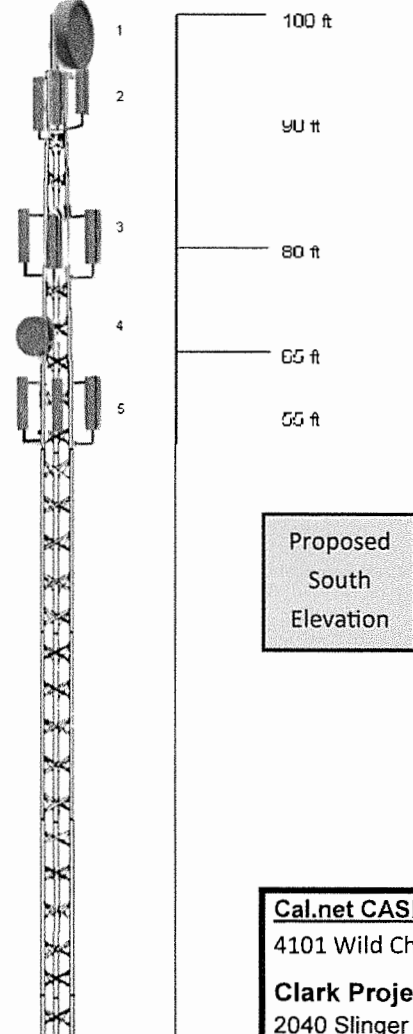
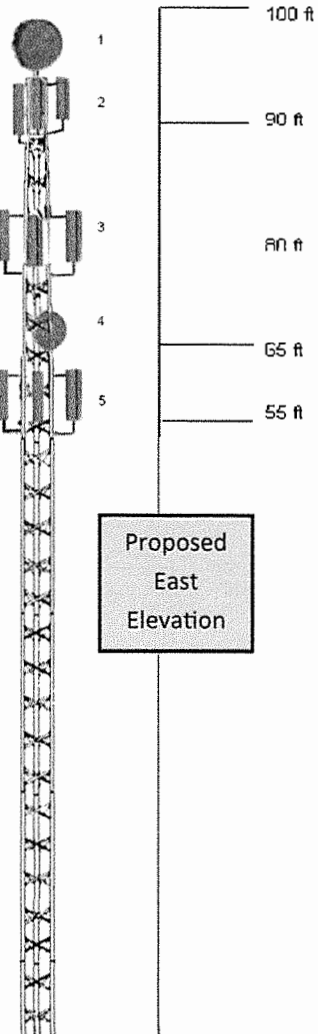
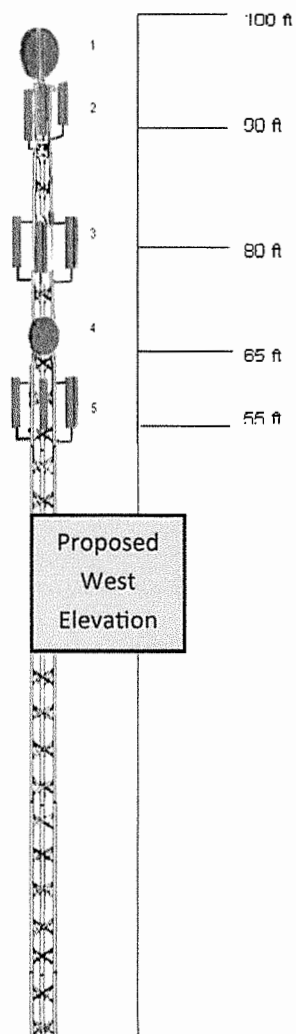
APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE October 26, 2017
BY Roger Trout/Cut
EXECUTIVE SECRETARY



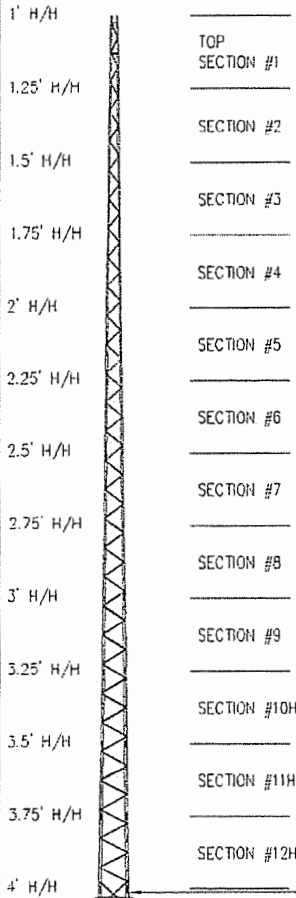
Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Clark Project Site - Elevations
2040 Slinger Mine Rd. Greenwood, Ca 95635 **Cal.net**

Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP



120FT H110 SUPERTITAN TOWER



- TOP SECTION #1
- SECTION #2
- SECTION #3
- SECTION #4
- SECTION #5
- SECTION #6
- SECTION #7
- SECTION #8
- SECTION #9
- SECTION #10HD
- SECTION #11HD
- SECTION #12HD

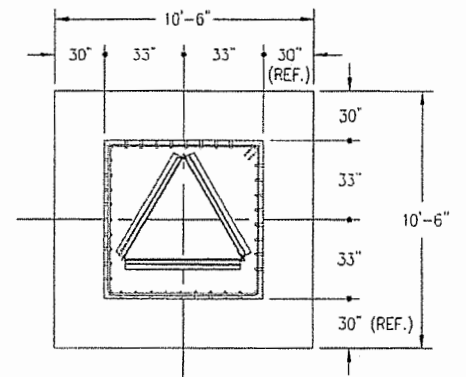
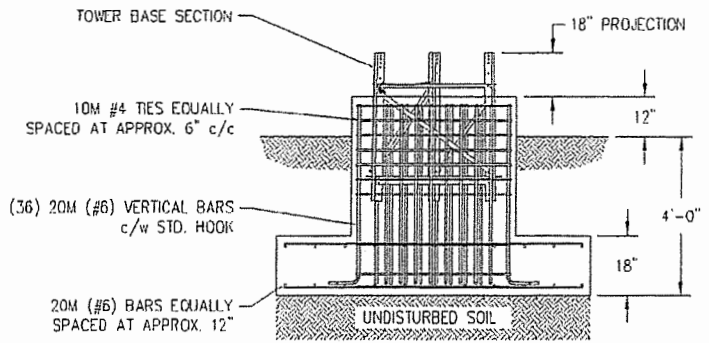
MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. F						
WIND VELOCITY RATINGS						
U S A	NO ICE (ROUND/FLAT)			1/2" ICE (ROUND/FLAT)		
	70 mph	90 mph	100 mph	70 mph	90 mph	100 mph
	9/6	--/--	--/--	8/5	--/--	--/--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. G, CLASS 1 (NO ICE)						
WIND VELOCITY RATINGS						
U S A	90 mph 3sg	110mph 3sg	120 mph 3sg	3sg = 3 SECOND GUST WINDSPEED		
	75 mph FM	90 mph FM	100 mph FM	FM = FASTEST MILE WINDSPEED		
	ROUND	FLAT	ROUND	FLAT	ROUND	FLAT
--	--	--	--	--	--	--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

FOUNDATION DESIGN (NORMAL DRY SOIL)
 DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
6.1	3.9	10.0

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CUSTOMER:	SITE:	SCALE: 1/80,000
DATE: 13 apr 07	BY: MRH	CHK: APP:
TITLE: 120FT H110 SUPERTITAN TOWER	DRAWING NO. 000001.620.0437	

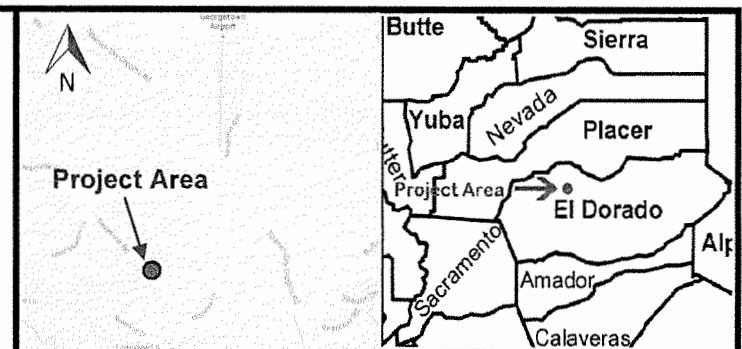
- NOTES:
- 1) KNOCK-DOWN PART NUMBER 5.94.H110.120.
 - 2) PRE-ASSEMBLED PART NUMBER: 5.95.H110.120.
 - 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.
 - 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION
 DATE October 26, 2017
 BY Roger Trout
 EXECUTIVE SECRETARY

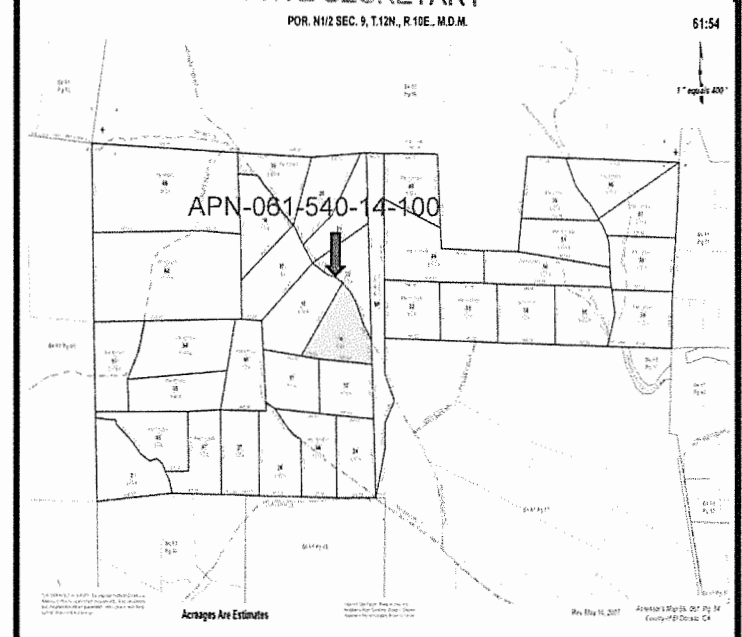
Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
 Clark Project Site - Foundation Specs
 2040 Slinger Mine Rd. Greenwood, Ca 95635





APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION
 DATE October 26, 2017
 BY Rogan Trout/Cnt
 EXECUTIVE SECRETARY

Vicinity Map



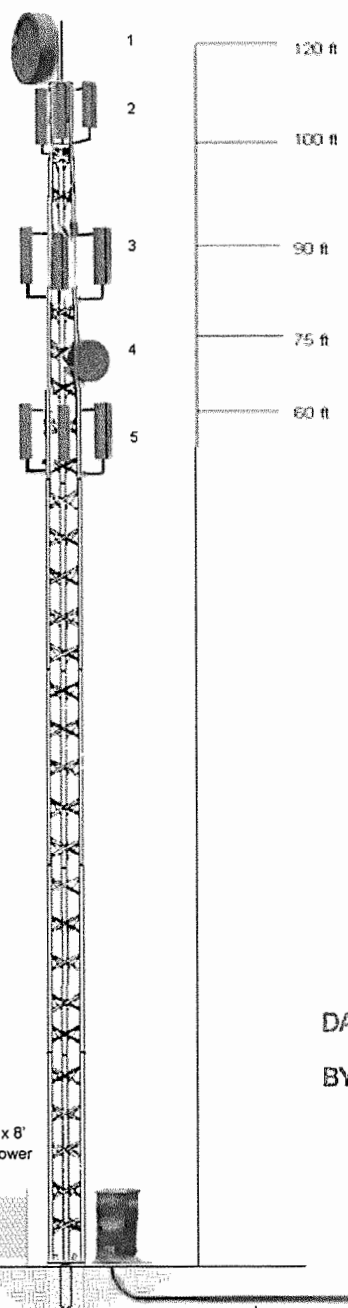
Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Blessum Project Site - Site Plan
 5400 Reservoir Rd, Georgetown, CA 95634



Site 3 - Exhibit F



Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Blossum Project Site - Gates & Parking
5400 Reservoir Rd, Georgetown, CA 95634 **Cal.net**



Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP

APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION
 DATE October 26, 2017
 BY Roger Trout/Cat
 EXECUTIVE SECRETARY

Proposed North
 Elevation

not to scale

6 foot fence 8' x 8'
 Surrounding Tower

Grade Level
 0'-0" A.G.L.

Tower foundation to be
 specified by tower manufacture

Proposed 2" PVC
 SCH. 80/40 to Power Pole.

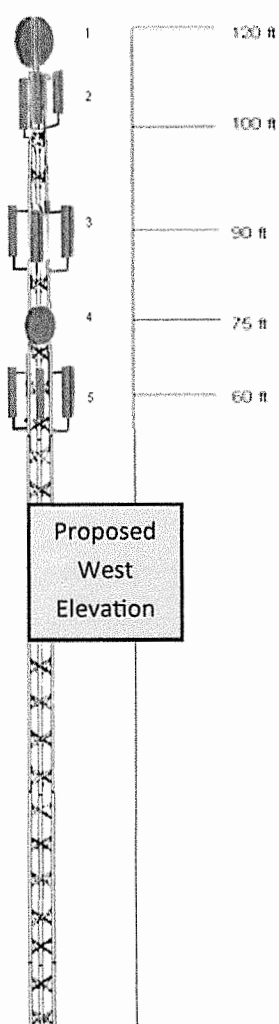
Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Blessum Project Site - Elevation
 5400 Reservoir Rd, Georgetown, CA 95634



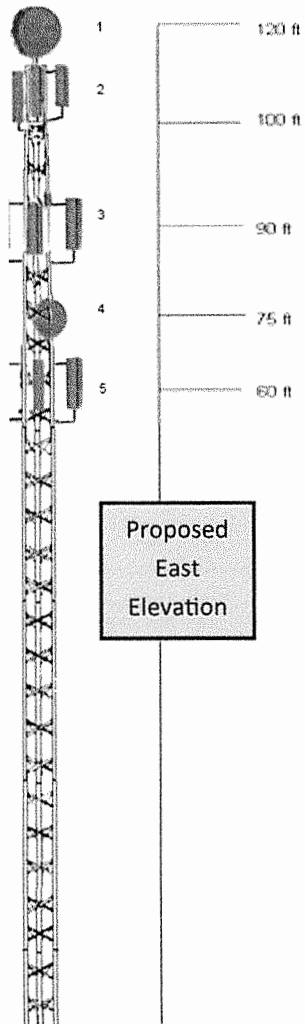
Site 3 - Exhibit G

Tower Antenna List

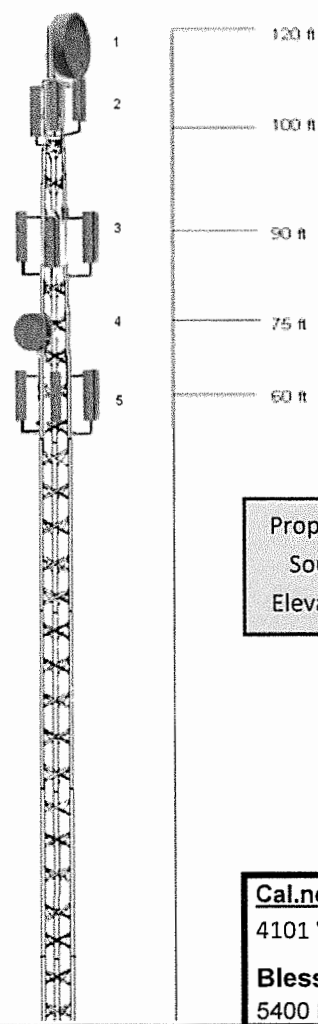
1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP



Proposed
West
Elevation

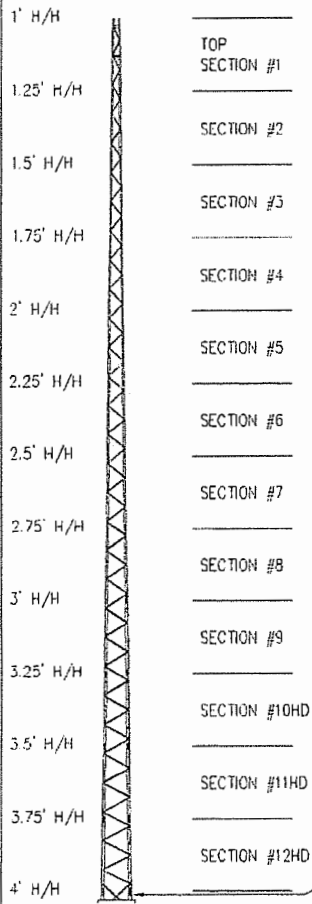


Proposed
East
Elevation



Proposed
South
Elevation

120FT H110 SUPERTITAN TOWER



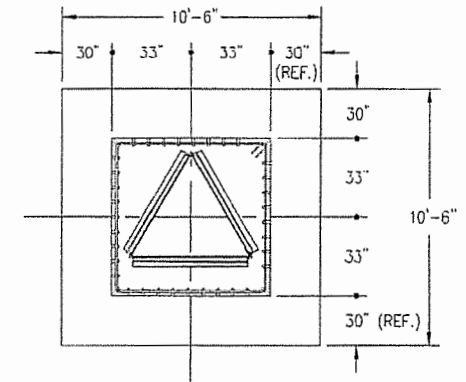
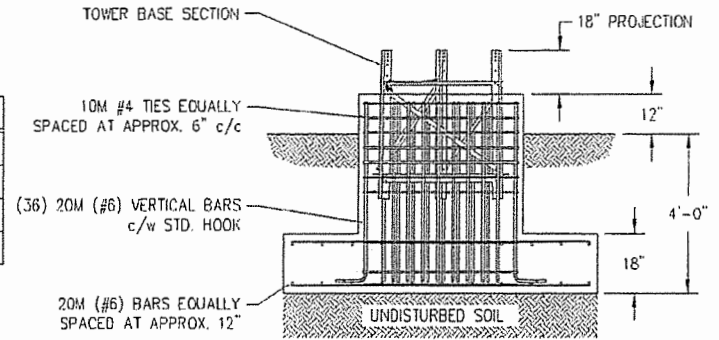
U S A	MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. F					
	WIND VELOCITY RATINGS					
	NO ICE (ROUND/FLAT)			1/2" ICE (ROUND/FLAT)		
	70 mph	90 mph	100 mph	70 mph	90 mph	100 mph
	9/6	--/--	--/--	8/5	--/--	--/--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

U S A	MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. G, CLASS 1 (NO ICE)					
	WIND VELOCITY RATINGS					
	90 mph 3sg	110mph 3sg	120 mph 3sg	3sg = 3 SECOND CUST WINDSPEED		
	75 mph FM	90 mph FM	100 mph FM	FM = FASTEST MILE WINDSPEED		
	ROUND	FLAT	ROUND	FLAT	ROUND	FLAT
	--	--	--	--	--	--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

FOUNDATION DESIGN (NORMAL DRY SOIL)
 DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
6.1	3.9	10.0

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CUSTOMER:	SITE:	SCALE:
DATE: 13 apr 07	BY: MRH	CHK: APP: 150,000
TITLE: 120FT H110 SUPERTITAN TOWER	DRAWING NO. 000001.620.0437	

- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.H110.120.
 2) PRE-ASSEMBLED PART NUMBER: 5.95.H110.120.
 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.
 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

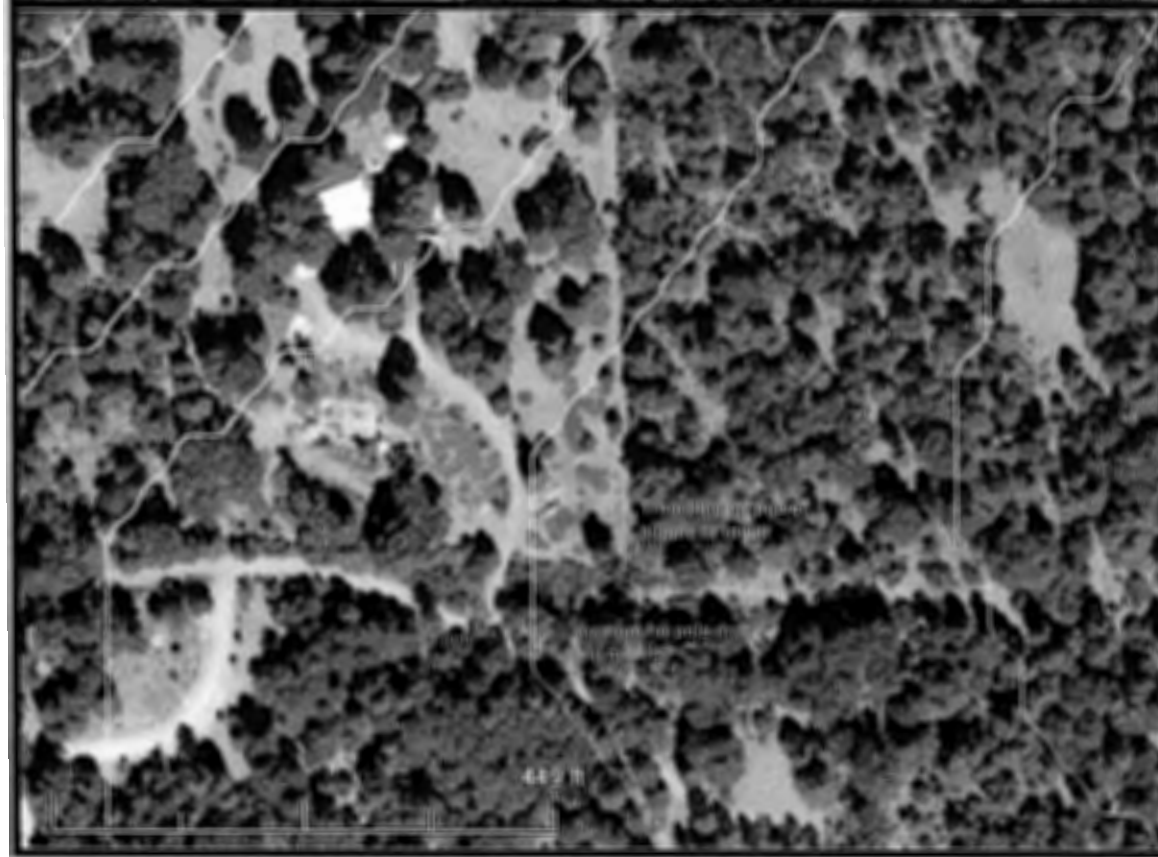
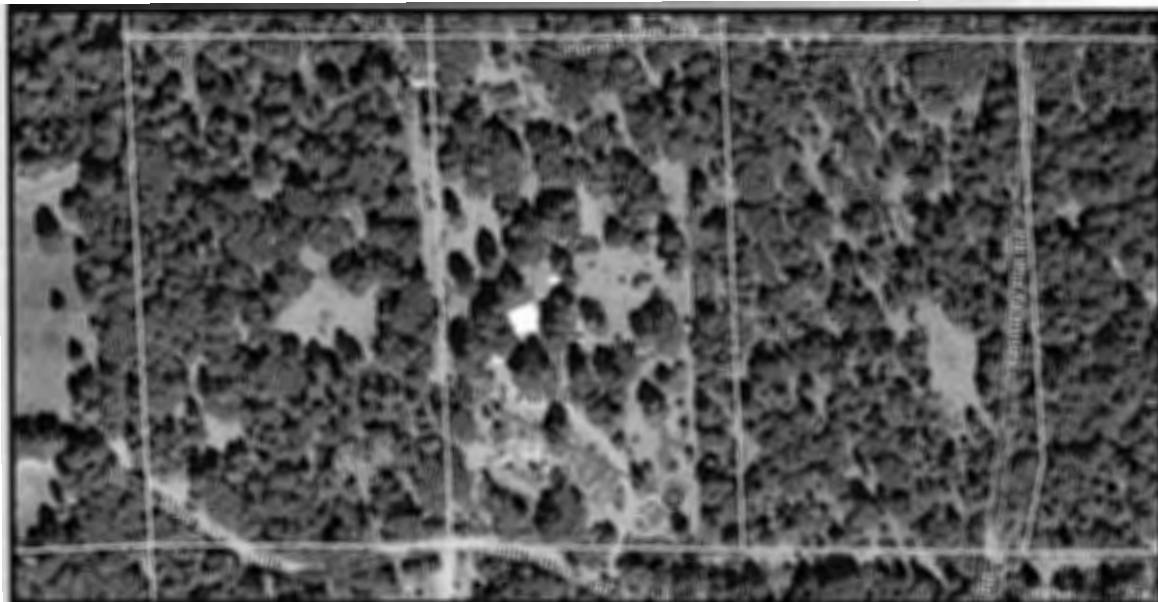
REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

EL DORADO COUNTY
 PLANNING COMMISSION

DATE October 26, 2017
 BY Roger Trout/CST
 EXECUTIVE SECRETARY

Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
 Blessum Project Site - Tower Base
 5400 Reservoir Rd, Georgetown, CA 95634










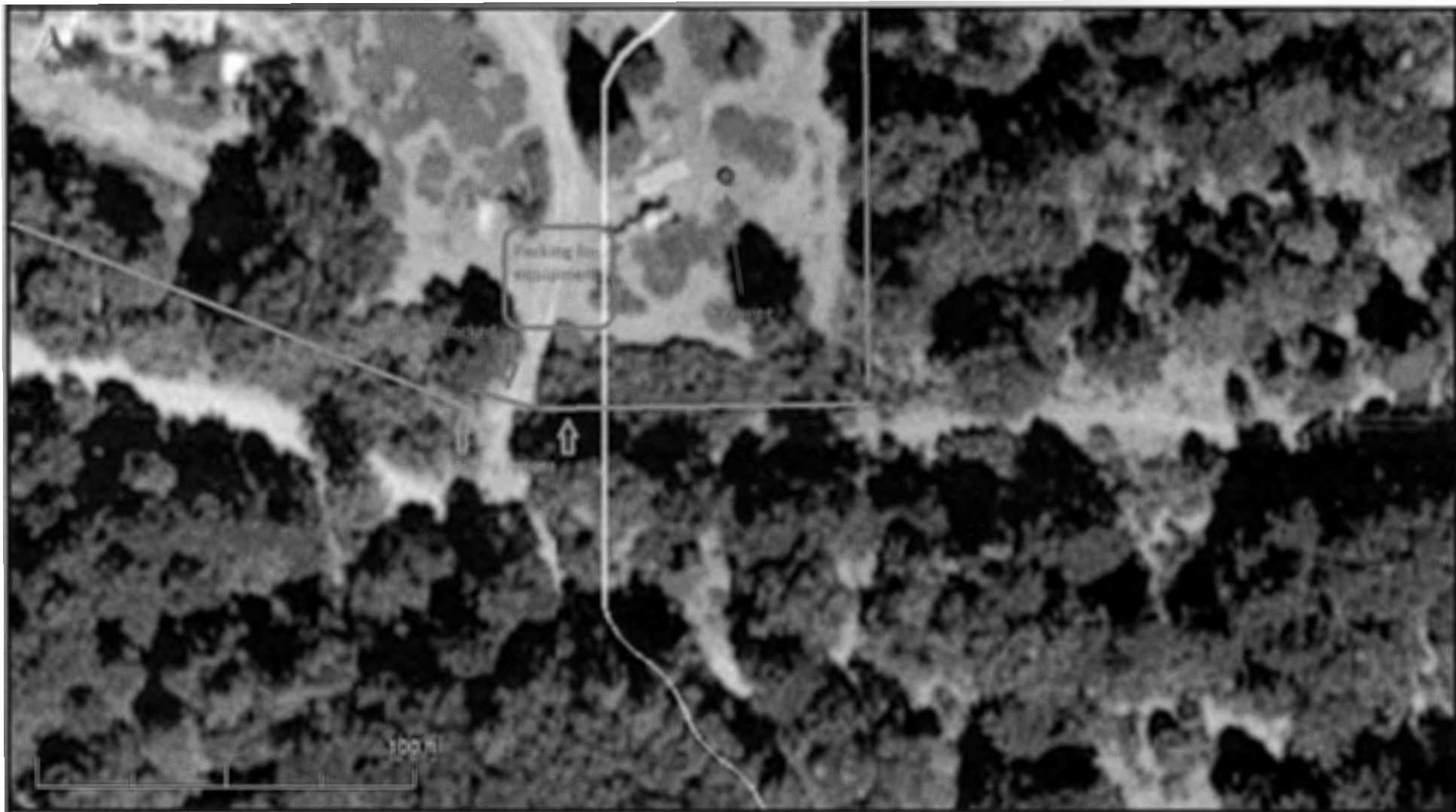

APPROVED
 Project Area EL DORADO COUNTY
 PLANNING COMMISSION
 DATE *October 26, 2017*
 BY *Roger Trout*
 EXECUTIVE SECRETARY

Vicinity Map

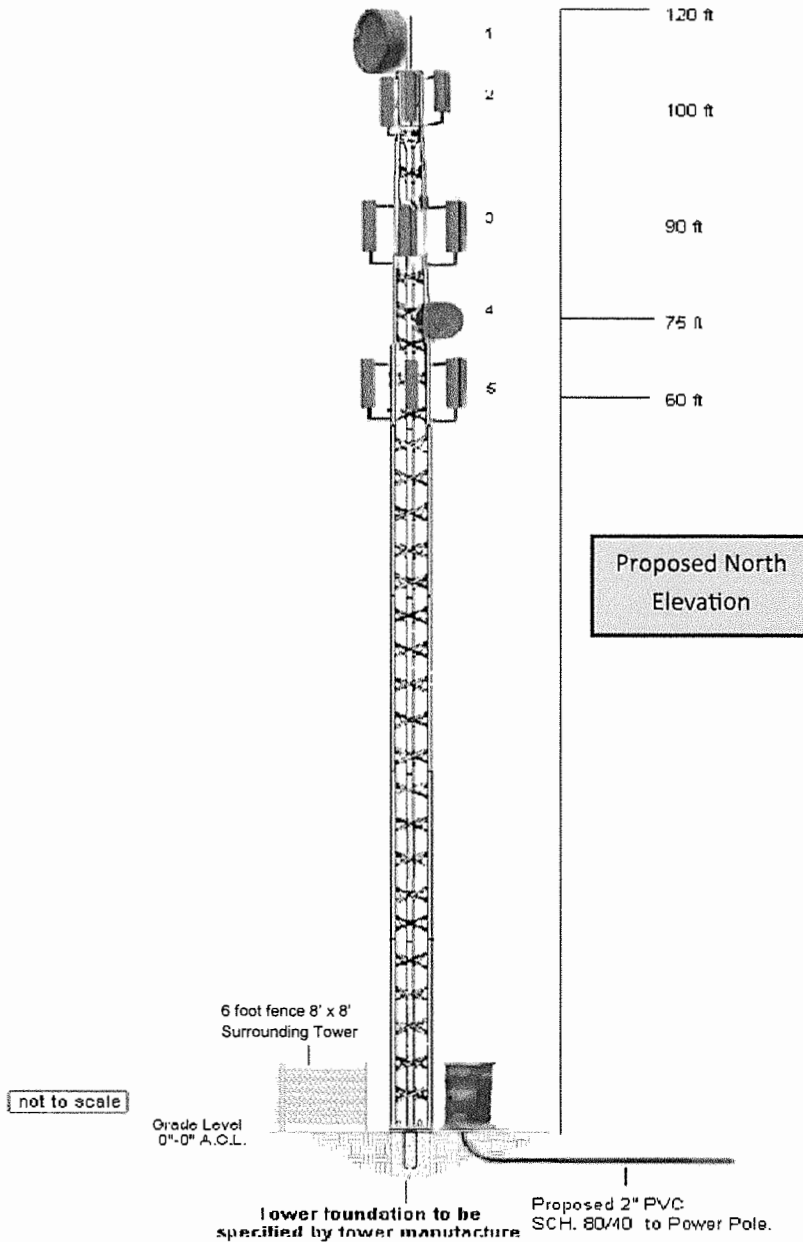


Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
 Kenobbie Project Site - Site Plan
 8140 Wild Horse Trail Georgetown, CA 95634 

Site 4 - Exhibit F



Cal.net CASP Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Kenobbie Project Site - Gates & Parking
8140 Wild Horse Trail Georgetown, CA 95634 **Cal.net**

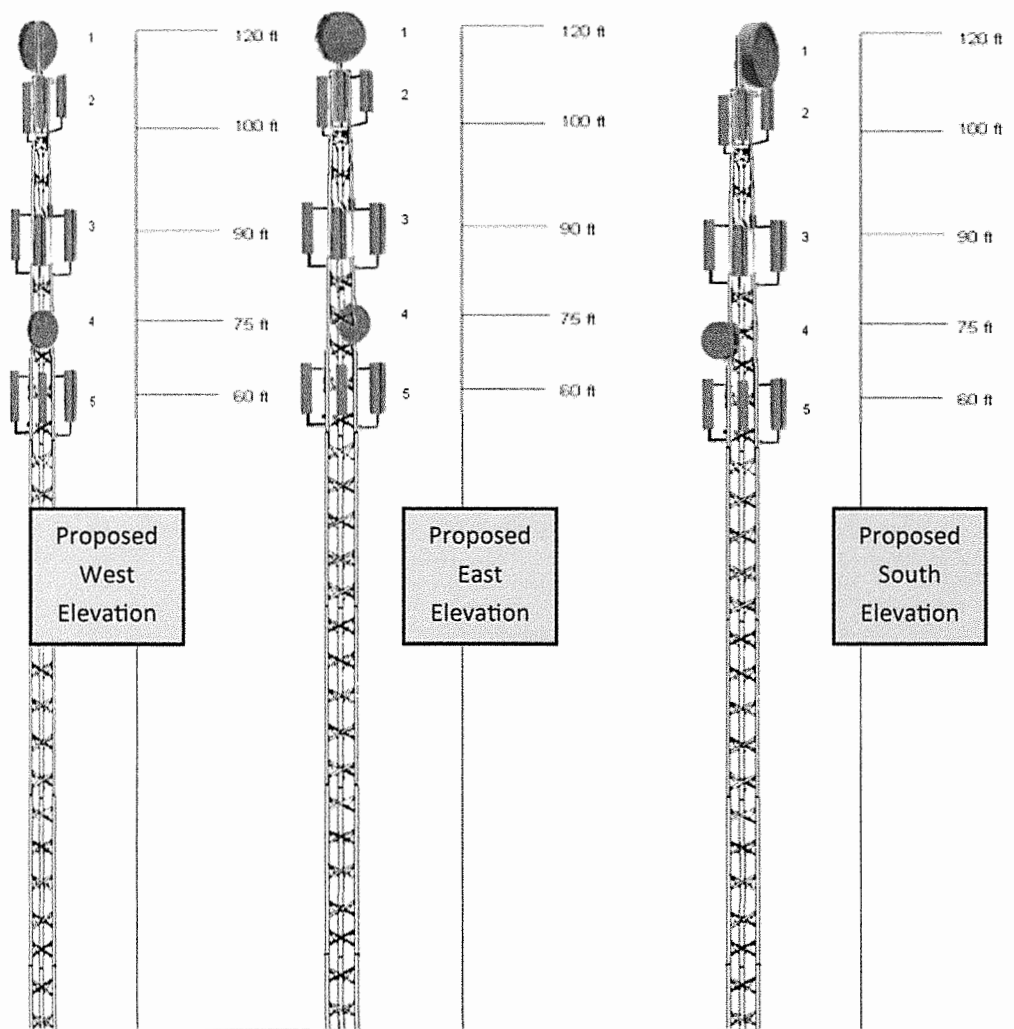


Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP

APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION
 DATE October 26, 2017
 BY Roger Trout/Exec
 EXECUTIVE SECRETARY

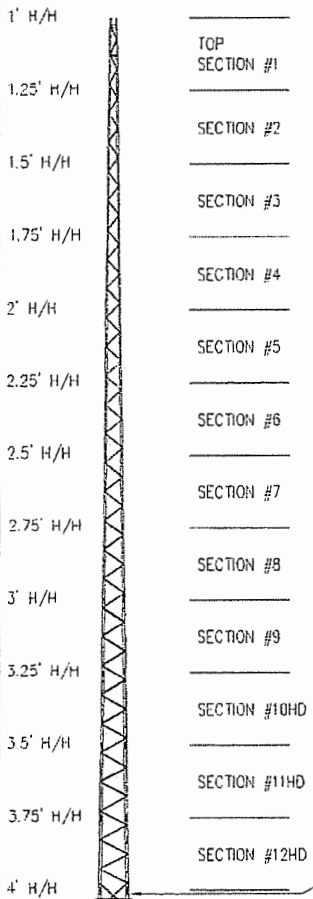
Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Kenobbie Project Site - Elevation
 8140 Wild Horse Trail Georgetown, CA 95634 **Cal.net**



Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP

120FT H110 SUPERTITAN TOWER



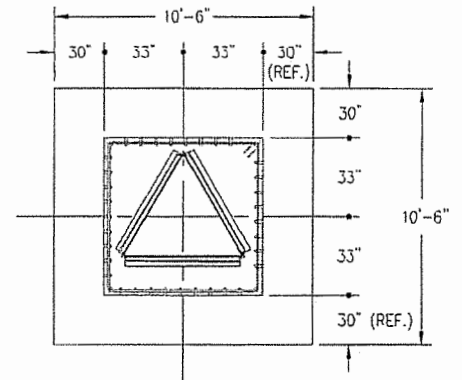
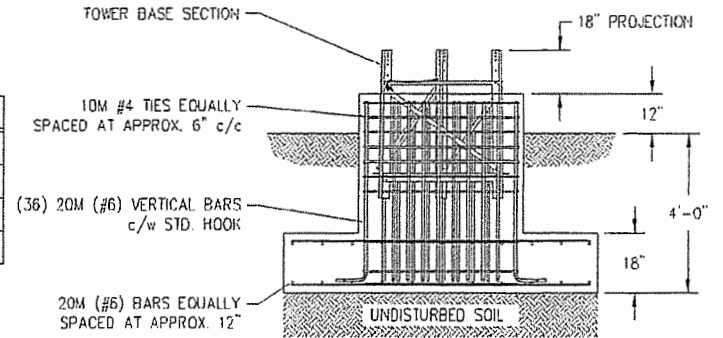
U S A	MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. F					
	WIND VELOCITY RATINGS					
	NO ICE (ROUND/FLAT)			1/2" ICE (ROUND/FLAT)		
	70 mph	90 mph	100 mph	70 mph	90 mph	100 mph
	9/6	--/--	--/--	8/5	--/--	--/--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

U S A	MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. G, CLASS 1 (NO ICE)					
	WIND VELOCITY RATINGS					
	90 mph 3sg	110mph 3sg	120 mph 3sg	3sg = 3 SECOND GUST WINDSPEED		
	75 mph FM	90 mph FM	100 mph FM	FM = FASTEST MILE WINDSPEED		
	ROUND	FLAT	ROUND	FLAT	ROUND	FLAT
	--	--	--	--	--	--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

FOUNDATION DESIGN (NORMAL DRY SOIL)
 DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
6.1	3.9	10.0

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CUSTOMER:	SITE:	SCALE: 100.000
DATE: 13 apr 07	BY: MRH	CHK: APP:
TITLE: 120FT H110 SUPERTITAN TOWER	DRAWING NO. 000001.620.0437	

REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

- NOTES:
- 1) KNOCK-DOWN PART NUMBER 5.94.H110.120.
 - 2) PRE-ASSEMBLED PART NUMBER: 5.95.H110.120.
 - 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.
 - 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.


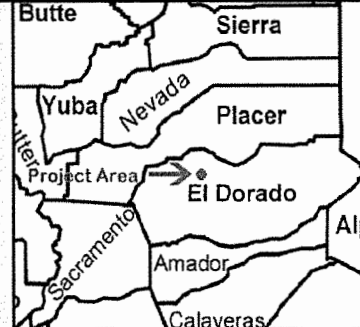
APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION
 DATE: October 26, 2017
 BY: Roger Trout
 EXECUTIVE SECRETARY

Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
 Kenobbie Project Site - Tower Base
 8140 Wild Horse Trail Georgetown, CA 95634

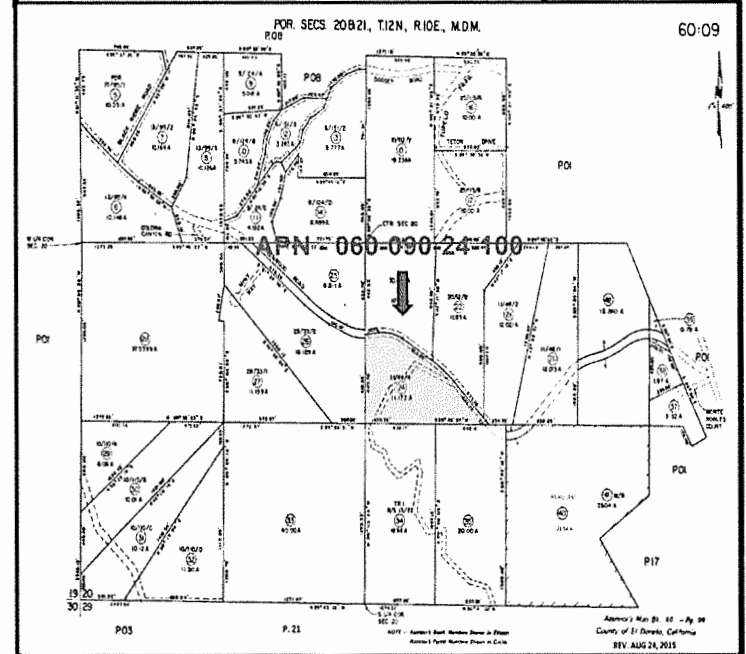


Site 4 - Exhibit H




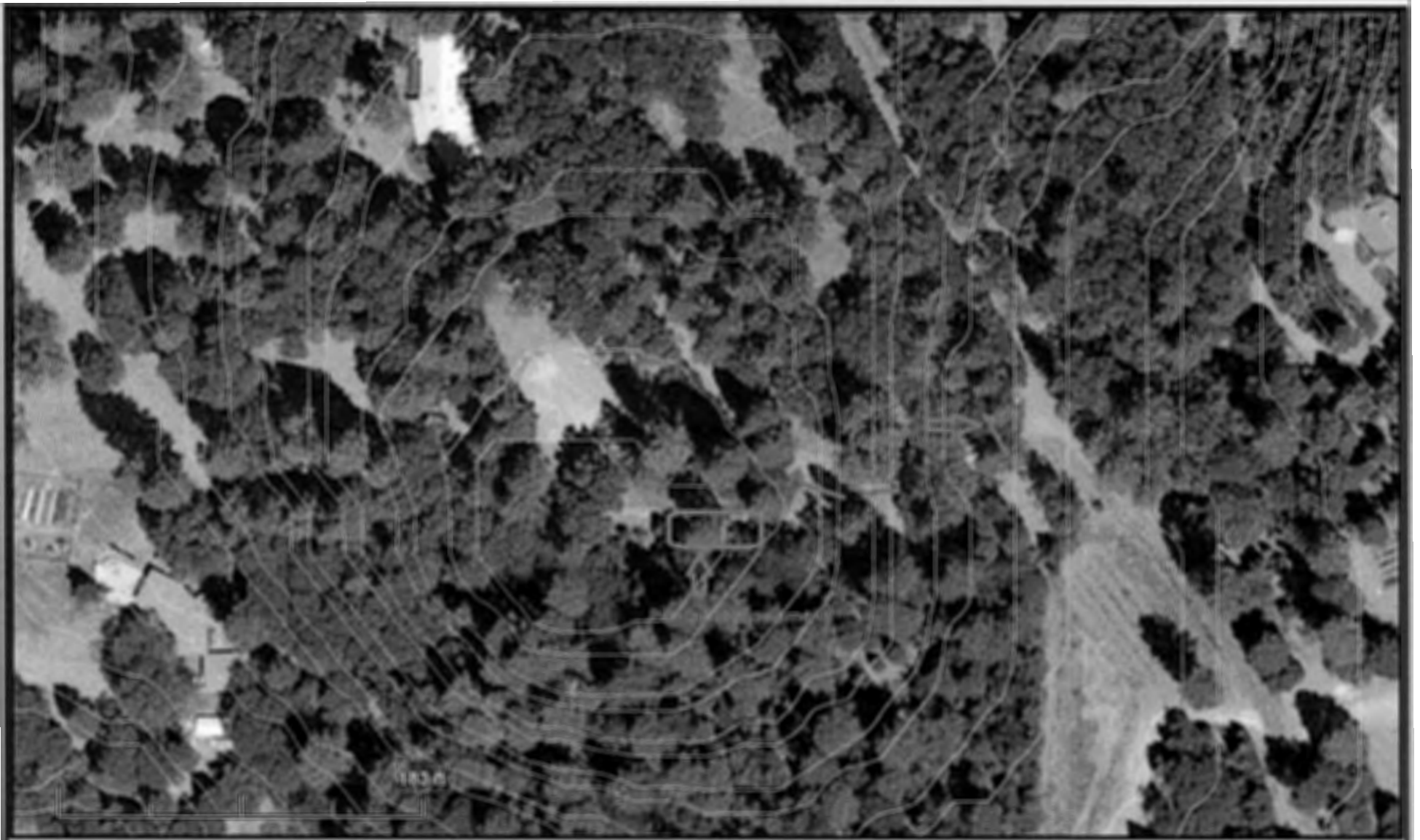
APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION
 DATE October 26, 2017
 BY Roger Trout/Cmt
 EXECUTIVE SECRETARY



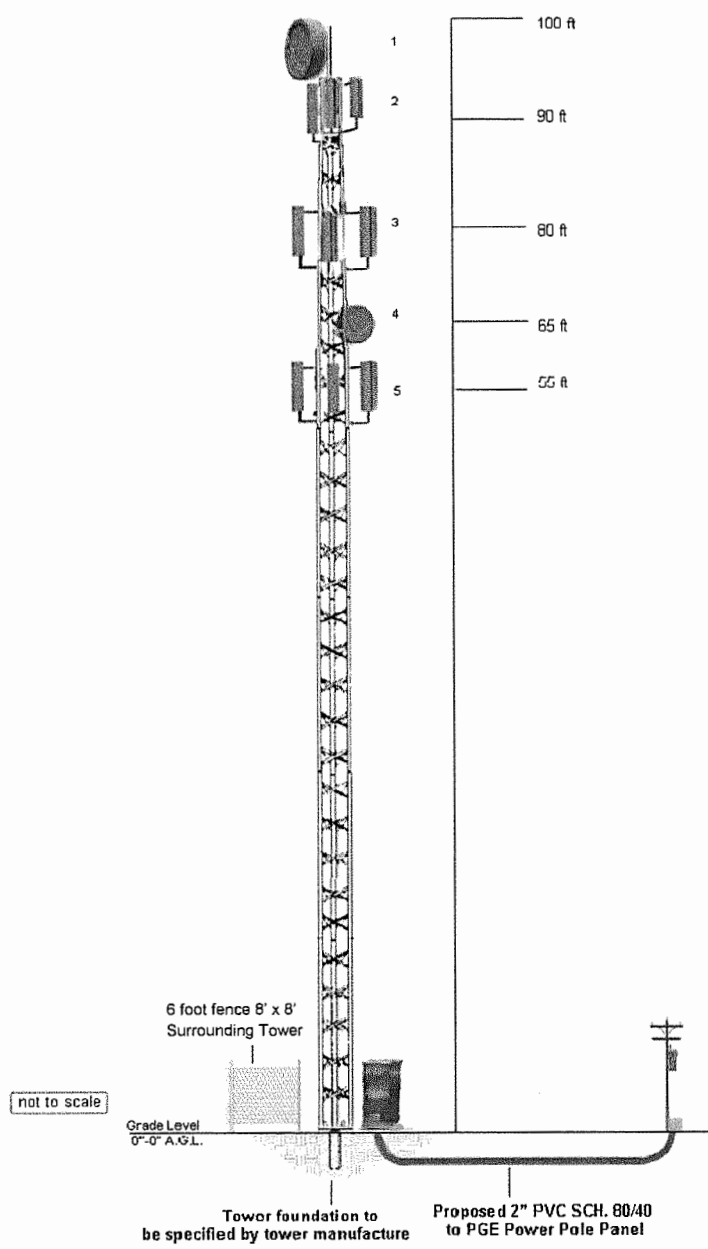
Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Bowman Project Site - Site Plan
 3680 Greenwood Rd, Greenwood, CA 95635



Site 5 - Exhibit F



Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Bowman Project Site - Gates & Parking
3680 Greenwood Rd, Greenwood, CA 95635 **Cal.net**



Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP

APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION
 DATE October 26, 2017
 BY Roger Trout/Const
 EXECUTIVE SECRETARY

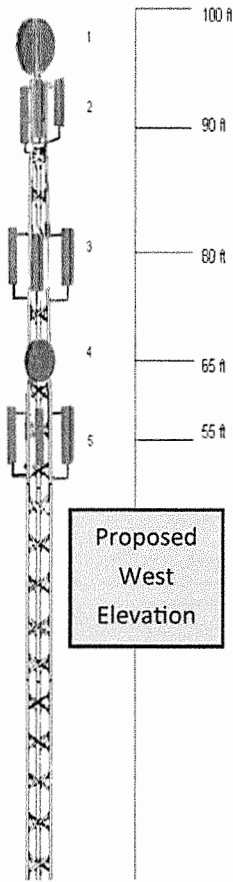
Proposed North
 Elevation

Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
 Bowman Project Site - Tower Elevation Cal.net
 3680 Greenwood Rd, Greenwood, CA 95635

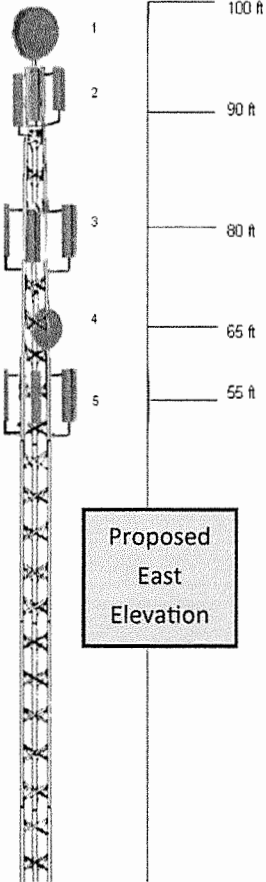
Site 5 - Exhibit G

Tower Antenna List

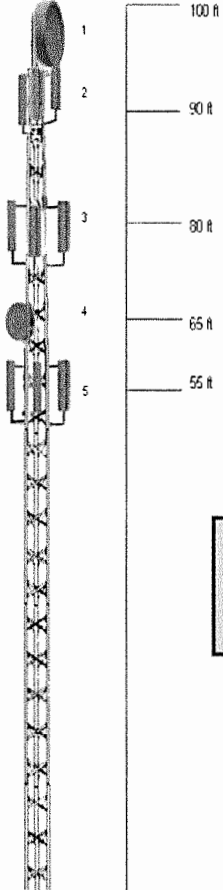
1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP



Proposed West Elevation



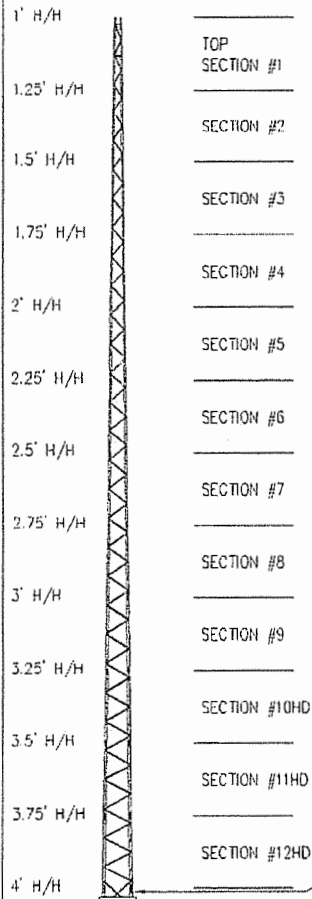
Proposed East Elevation



Proposed South Elevation



120FT H110 SUPERTITAN TOWER



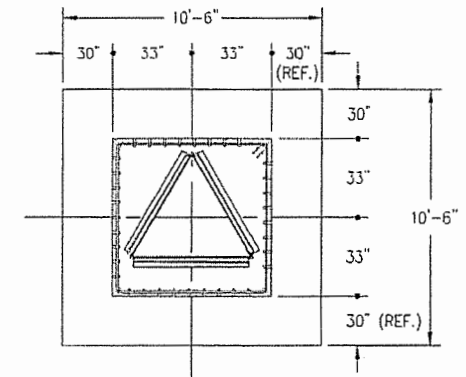
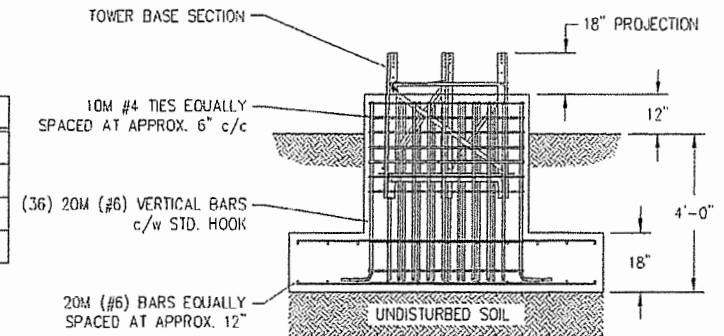
U S A	MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. F					
	WIND VELOCITY RATINGS					
	NO ICE (ROUND/FLAT)			1/2" ICE (ROUND/FLAT)		
	70 mph	90 mph	100 mph	70 mph	90 mph	100 mph
	9/6	--/--	--/--	8/5	--/--	--/--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

U S A	MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. G, CLASS 1 (NO ICE)					
	WIND VELOCITY RATINGS					
	90 mph 3sg	110mph 3sg	120 mph 3sg	3sg = 3 SECOND GUST WINDSPEED		
	75 mph FM	90 mph FM	100 mph FM	FM = FASTEST MILE WINDSPEED		
	ROUND	FLAT	ROUND	FLAT	ROUND	FLAT
	--	--	--	--	--	--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

FOUNDATION DESIGN (NORMAL DRY SOIL)
 DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
6.1	3.9	10.0

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CUSTOMER:	SITE:	SCALE:
DATE: 13 apr 07	BR: MRR	CHK: APP:
TITLE: 120FT H110 SUPERTITAN TOWER	DRAWING NO. 000001.620.0437	

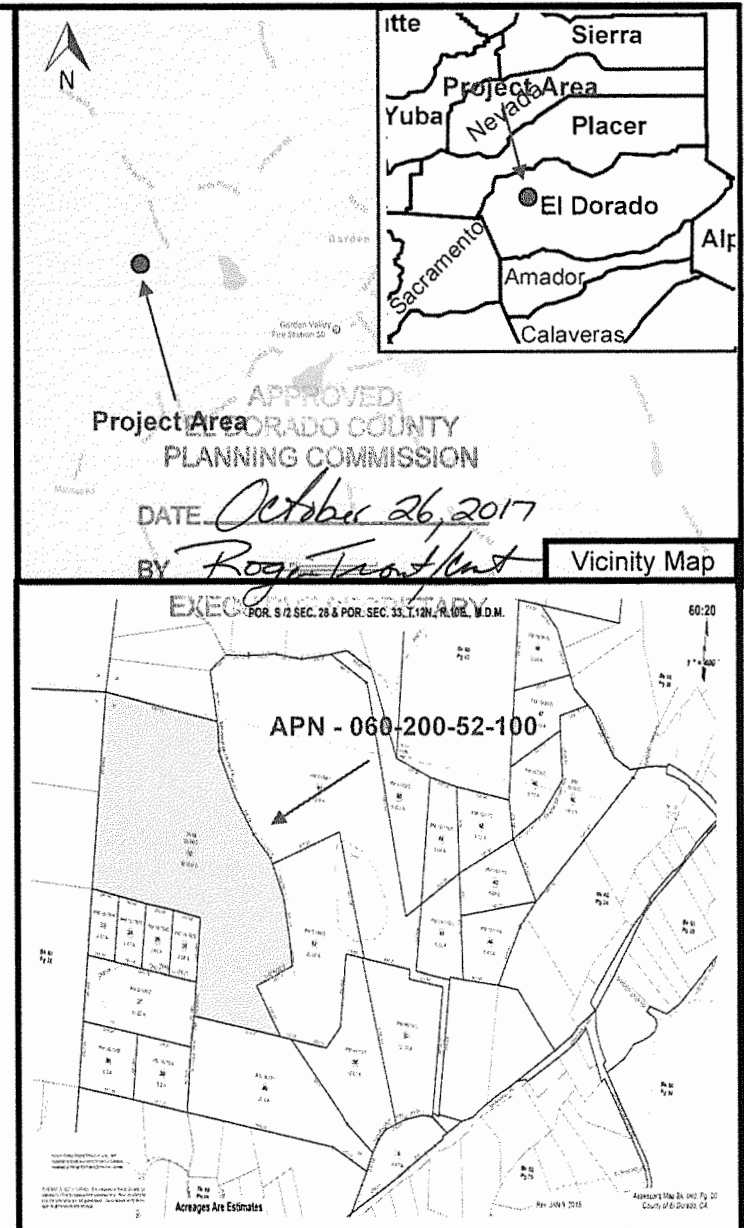
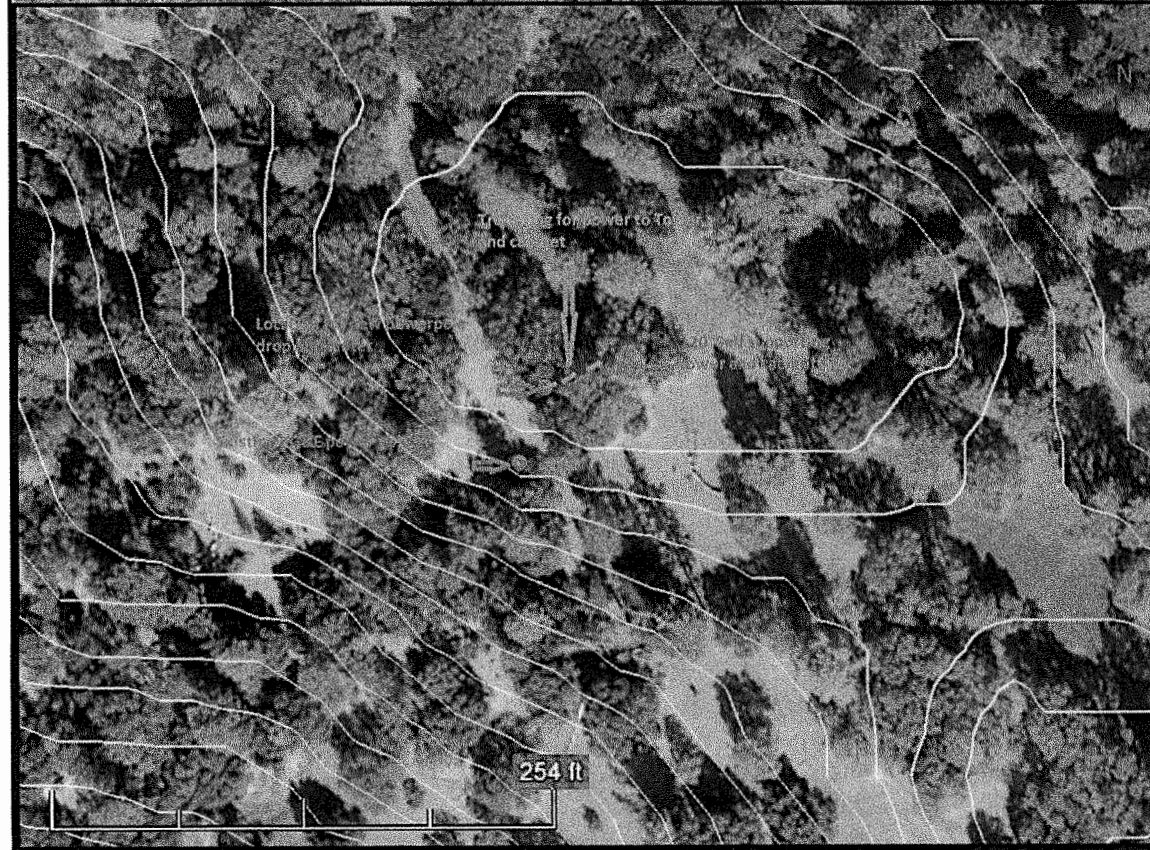
REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.H110.120.
 2) PRE-ASSEMBLED PART NUMBER: 5.95.H110.120.
 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.
 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION
 DATE October 26, 2017
 BY Fogor Trout/Cmt
 EXECUTIVE SECRETARY

Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
 Bowman Project Site - Tower Base
 3680 Greenwood Rd, Greenwood, CA 95635





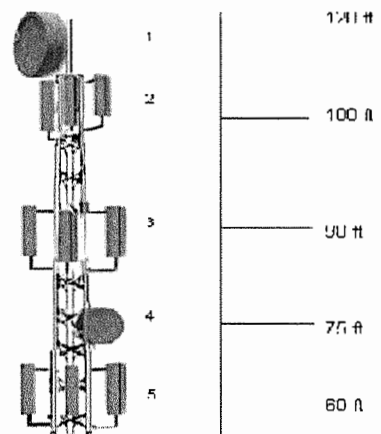
Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Russell Project Site - Site Plan
 3550 Brumbarba Hts, Garden Valley, Ca 95633

Cal.net

Site 6 - Exhibit F



Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Russell Project Site - Gates & Parking Cal.net
3550 Brumbya Hts, Garden Valley, Ca 95633



Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP

Proposed North
Elevation

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE October 26, 2017
BY Roger Trout/CMT
EXECUTIVE SECRETARY

not to scale

6 foot fence 8' x 8' Surrounding Tower

Grade Level 0'-0" A.G.L.

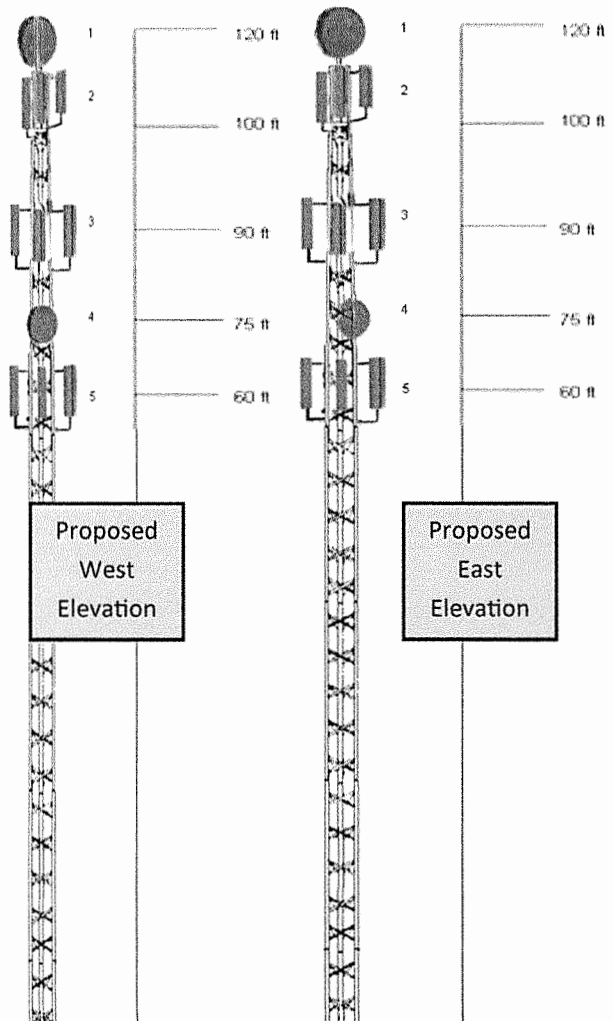
Tower foundation to be specified by tower manufacturer

Proposed 2" PVC SCH. 80/40 to tower hole.

Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Russell Project Site - Elevations
3550 Brumarba Hts, Garden Valley, Ca 95633 **Cal.net**

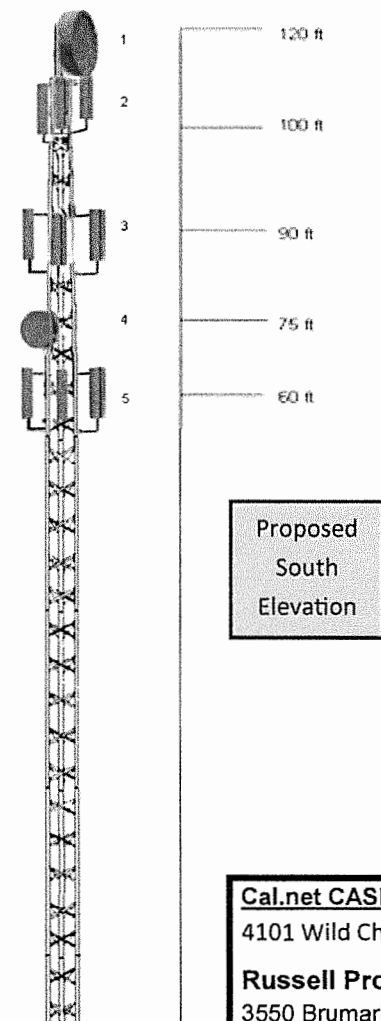
Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP



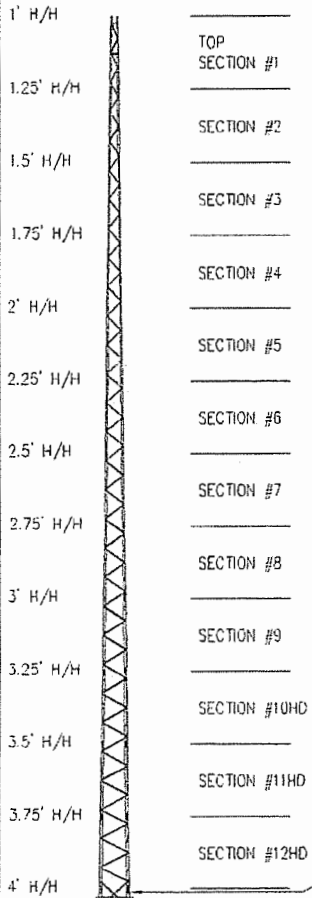
Proposed West Elevation

Proposed East Elevation



Proposed South Elevation

120FT H110 SUPERTITAN TOWER



U S A	MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. F					
	WIND VELOCITY RATINGS					
	NO ICE (ROUND/FLAT)			1/2" ICE (ROUND/FLAT)		
	70 mph	90 mph	100 mph	70 mph	90 mph	100 mph
	9/6	--/--	--/--	8/5	--/--	--/--

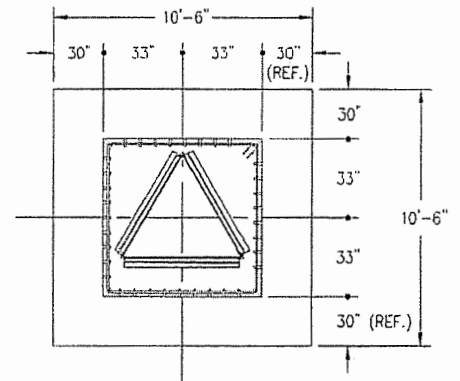
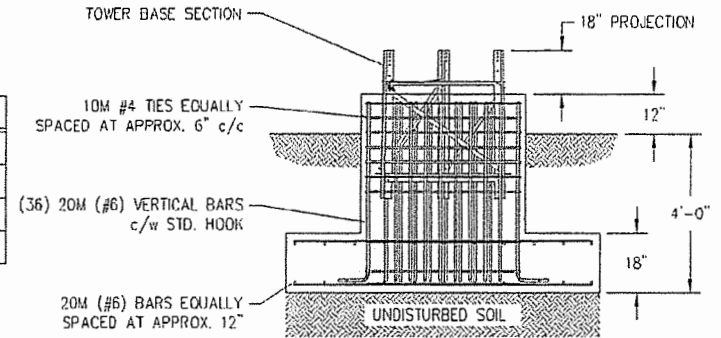
FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

U S A	MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. G, CLASS 1 (NO ICE)					
	WIND VELOCITY RATINGS					
	90 mph 3sg	110mph 3sg	120 mph 3sg	3sg = 3 SECOND GUST WINDSPEED		
	75 mph FM	90 mph FM	100 mph FM	FM = FASTEST MILE WINDSPEED		
	ROUND	FLAT	ROUND	FLAT	ROUND	FLAT
	--	--	--	--	--	--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

FOUNDATION DESIGN (NORMAL DRY SOIL)

DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
6.1	3.9	10.0

- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.H110.120.
 2) PRE-ASSEMBLED PART NUMBER: 5.95.H110.120.
 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.
 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

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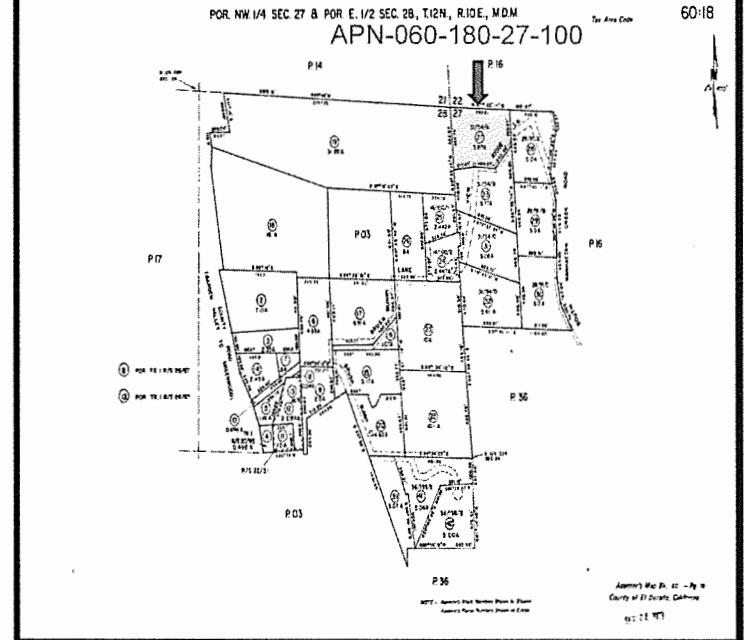
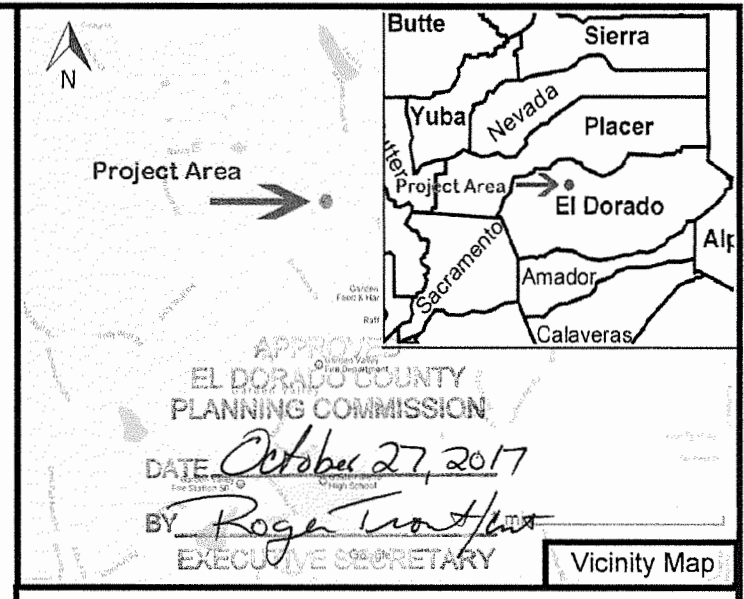


CUSTOMER:	SITE:	SCALE:
DATE: 13 apr 07	Br: MRH	CHK: APP:
TITLE: 120FT H110 SUPERTITAN TOWER	DRAWING NO. 000001.620.0437	

APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION

DATE October 26, 2017
 BY Roger Trout /ent
 EXECUTIVE SECRETARY

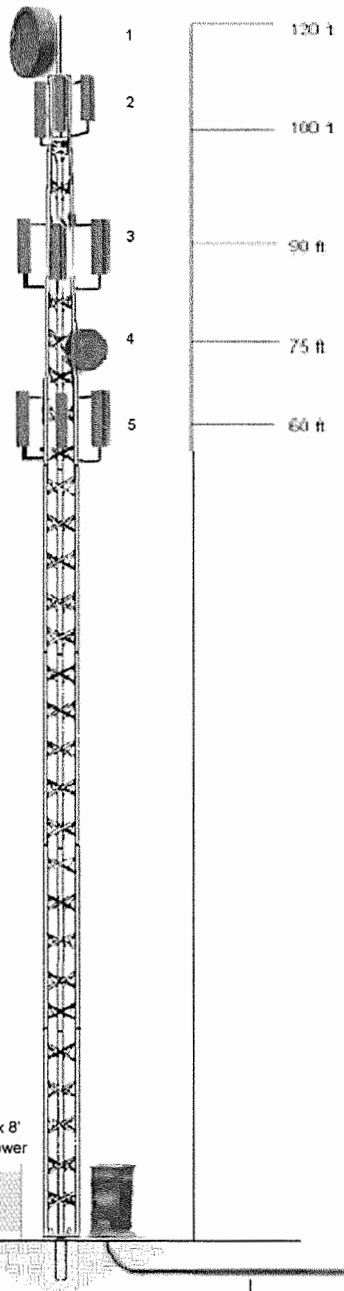
Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
 Russell Project Site - Tower Foundation
 3550 Brumarba Hts, Garden Valley, Ca 95633



Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Pulse Project Site - Site Plan
 1030 View Ridge Lane, Garden Valley, Ca 95633 **Cal.net**

Site 7 - Exhibit F





not to scale

Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION

DATE _____

BY _____

EXECUTIVE SECRETARY

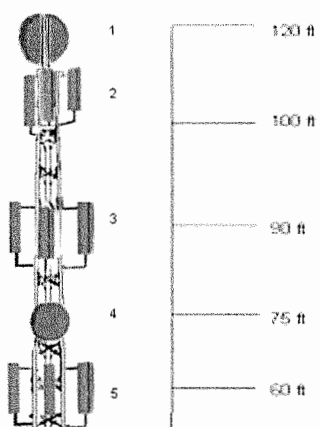
Proposed North
Elevation

Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Pulse Project Site - Elevation
1030 View Ridge Lane, Garden Valley, Ca 95633

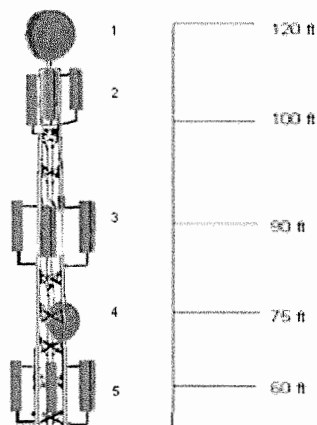


Tower Antenna List

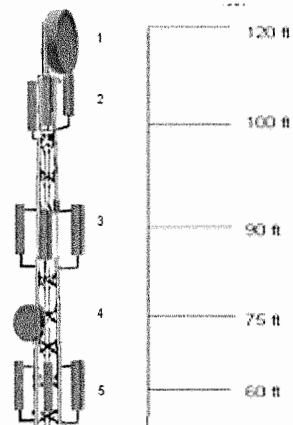
1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP



Proposed
West
Elevation



Proposed
East
Elevation



Proposed
South
Elevation

Cal.net CASF Wireless Broadband Project 1/3/2017

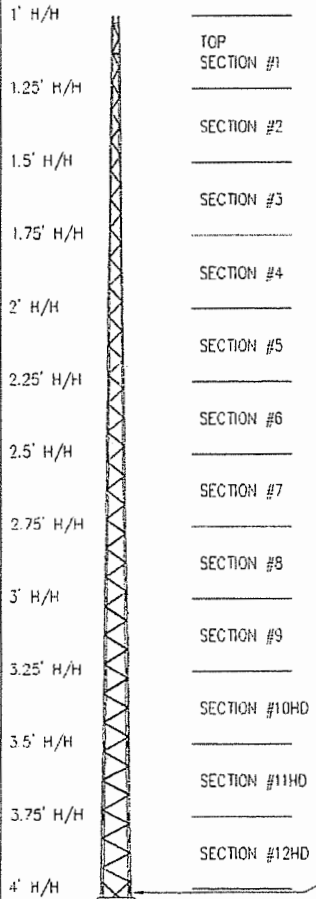
4101 Wild Chaparral Drive, Shingle Springs CA, 95682

Pulse Project Site - Elevations

1030 View Ridge Lane, Garden Valley, Ca 95633

Cal.net

120FT H110 SUPERTITAN TOWER



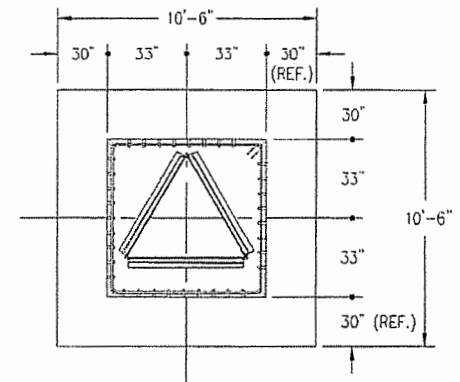
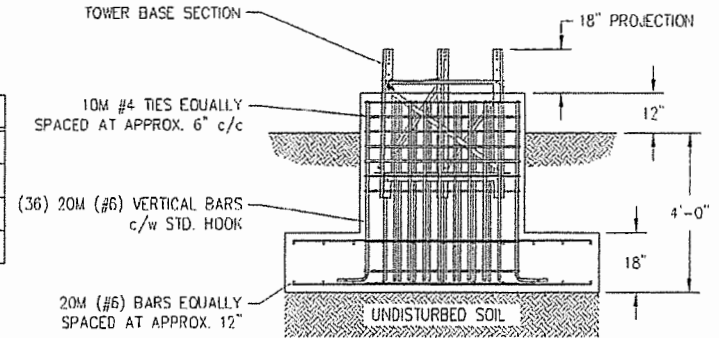
MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. F						
WIND VELOCITY RATINGS						
U S A	NO ICE (ROUND/FLAT)			1/2" ICE (ROUND/FLAT)		
	70 mph	90 mph	100 mph	70 mph	90 mph	100 mph
	9/6	--/--	--/--	8/5	--/--	--/--

FOUNDATION LOADS:
MAX. OVERTURNING MOMENT (K*FT) =
MAX. SHEAR (kips) =
MAX. AXIAL (kips) =

MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. G, CLASS 1 (NO ICE)						
WIND VELOCITY RATINGS						
U S A	90 mph 3sg	110mph 3sg	120 mph 3sg	3sg = 3 SECOND GUST WINDSPEED FM = FASTEST MILE WINDSPEED		
	75 mph FM	90 mph FM	100 mph FM			
	ROUND	FLAT	ROUND			
	--	--	--	--	--	--

FOUNDATION LOADS:
MAX. OVERTURNING MOMENT (K*FT) =
MAX. SHEAR (kips) =
MAX. AXIAL (kips) =

FOUNDATION DESIGN (NORMAL DRY SOIL)
DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
6.1	3.9	10.0

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CUSTOMER:	SITE:	SCALE: 190,000
DATE: 13 apr 07	By: MRH	CHK: APP:
TITLE: 120FT H110 SUPERTITAN TOWER	DRAWING NO. 000001.620.0437	

- NOTES:
- 1) KNOCK-DOWN PART NUMBER 5.94.H110.120.
 - 2) PRE-ASSEMBLED PART NUMBER: 5.95.H110.120.
 - 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 5-FT OR LESS ABOVE THE TOWER TOP.
 - 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 30.FT. OF ROUND MEMBER ANTENNA AREA.

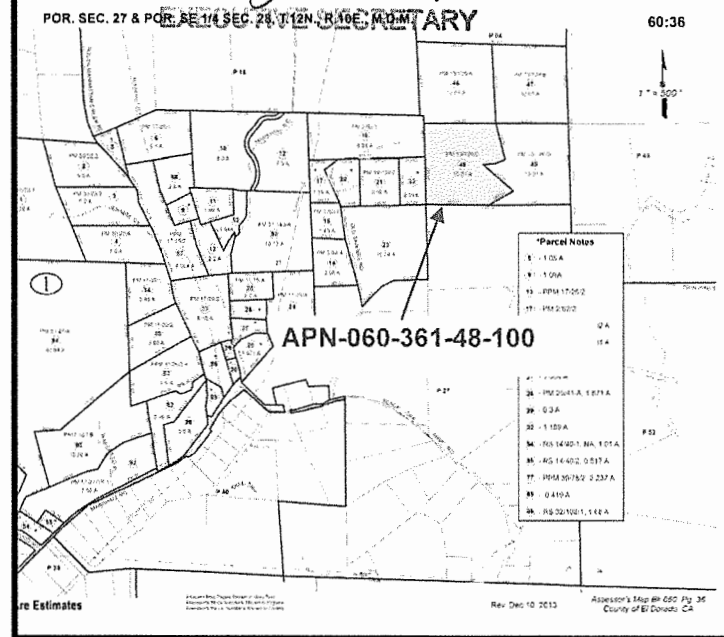
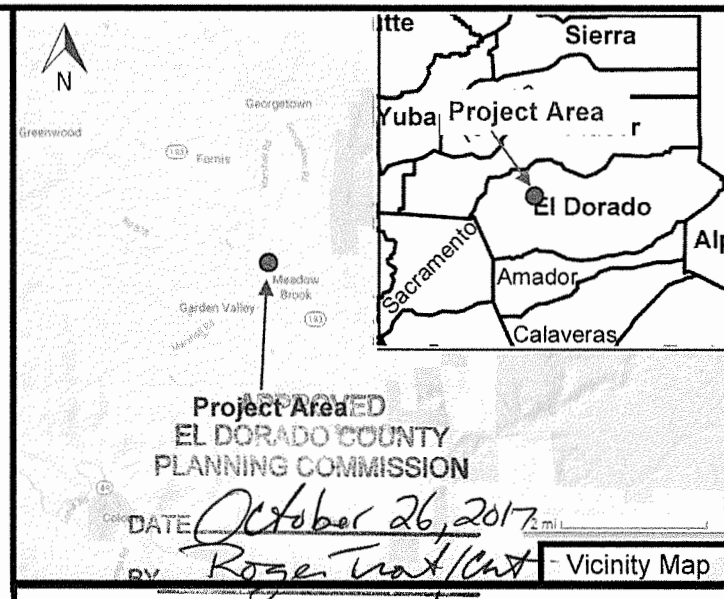
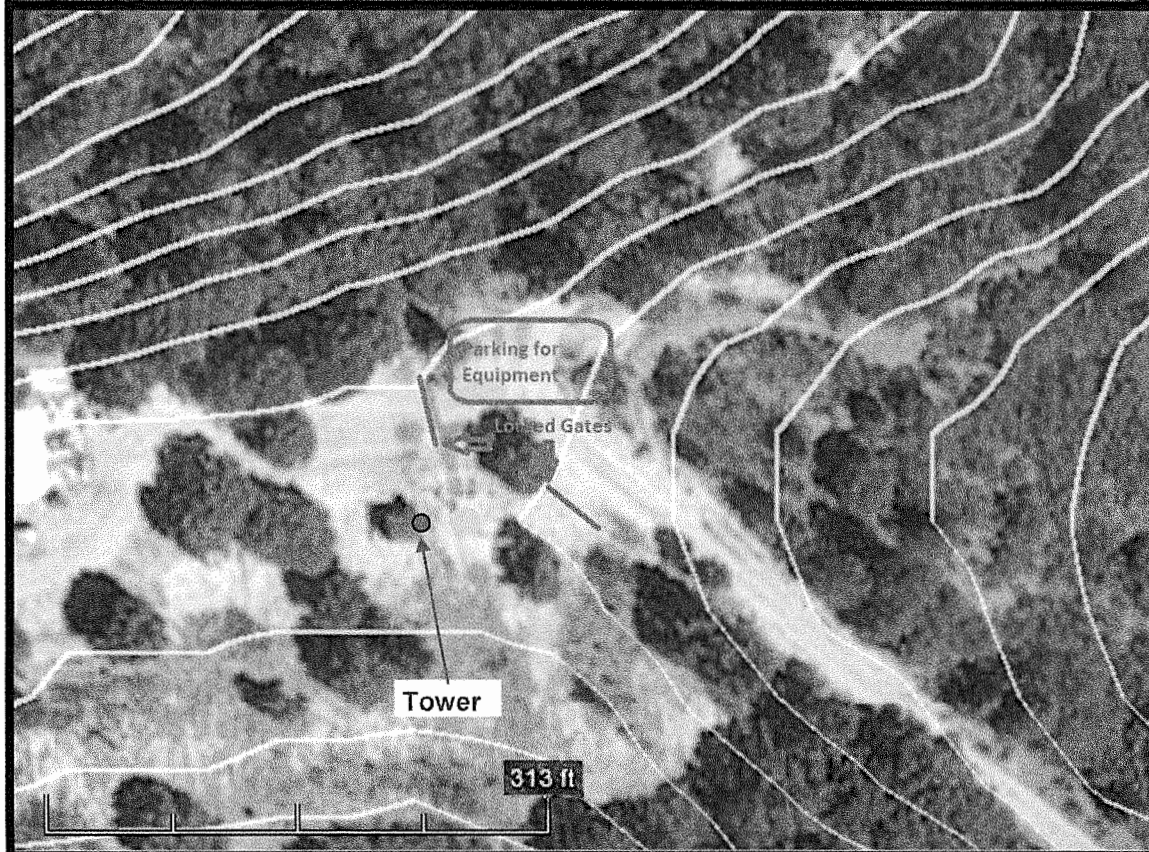
REV	REV. BY:	CHK. BY:	DESCRIPTION	DATE

EL DORADO COUNTY
PLANNING COMMISSION

DATE _____

BY _____
EXECUTIVE SECRETARY

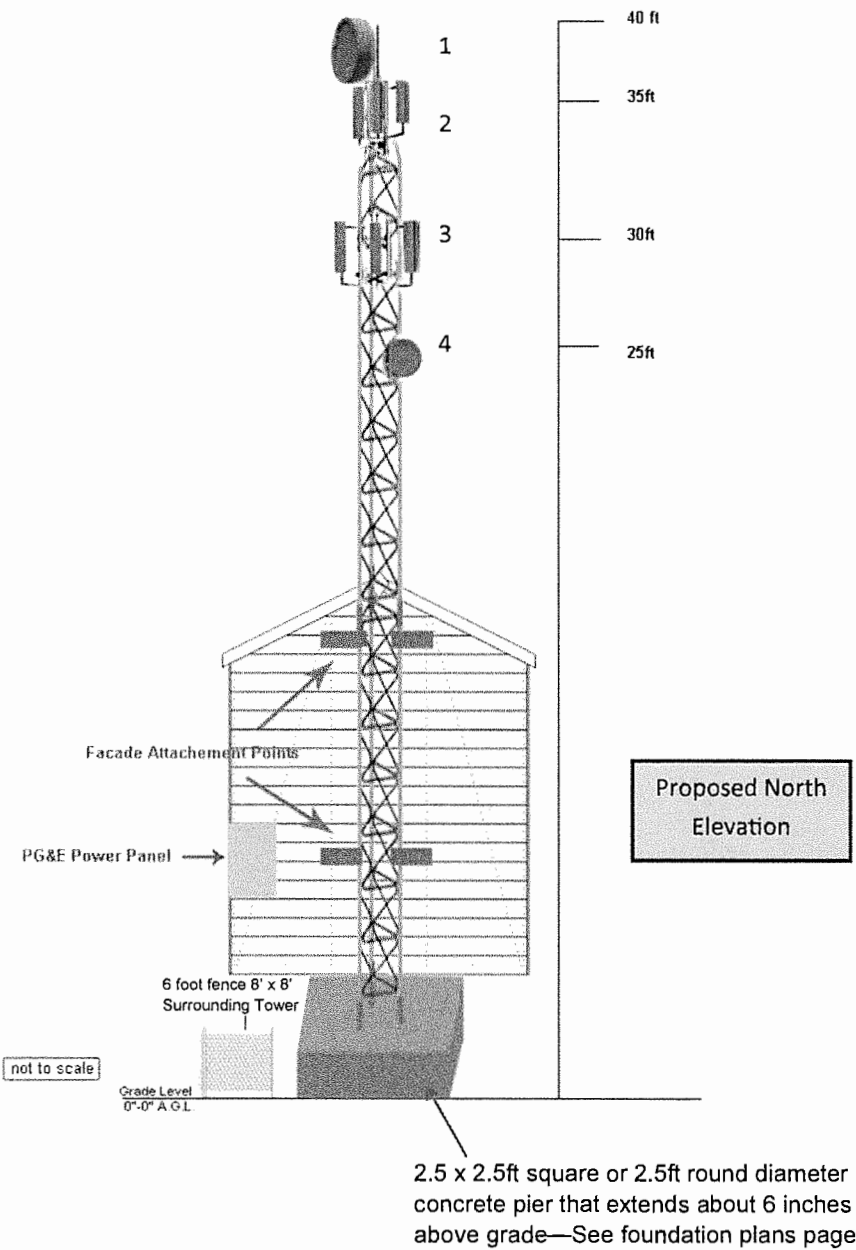
Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Pulse Project Site - Tower Foundation
1030 View Ridge Lane, Garden Valley, Ca 95633 Cal.net



Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Harke Project Site - Site Plan
 6060 Ambrosia Ln. Garden Valley Ca 95633

Cal.net

Site 8 - Exhibit F



Tower Antenna List

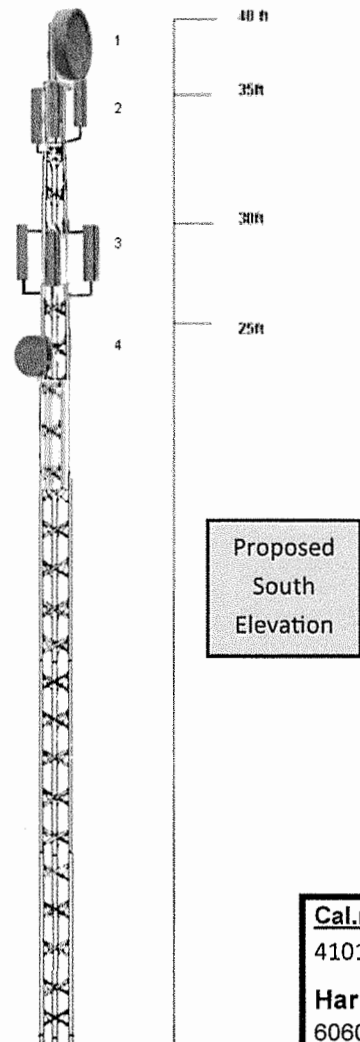
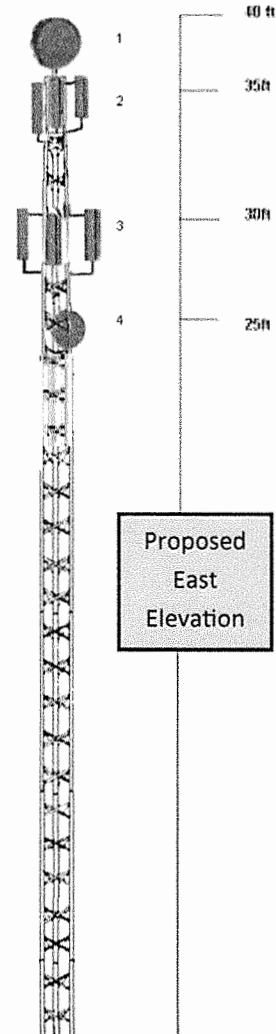
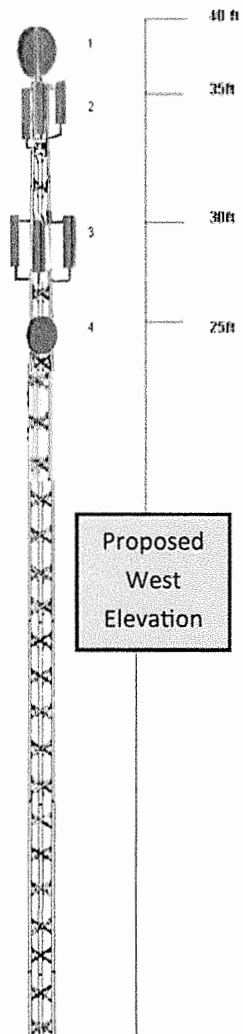
1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP

APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION
 DATE October 26, 2017
 BY Roger Trout/cst
 EXECUTIVE SECRETARY

Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Harke Project Site - Elevation
 6060 Ambrosia Ln. Garden Valley Ca 95633 **Cal.net**

Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP



45G BRACKETED ALLOWABLE ANTENNA AREAS

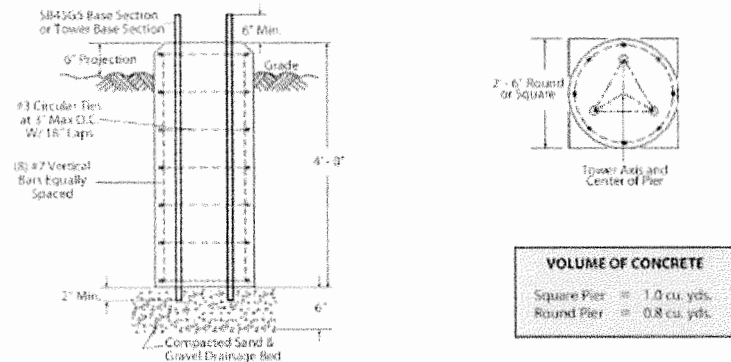
Tower Height (FT.)	Bracket Elevations		Allowable Antenna Areas (SQ. FT.)		
	Upper (FT.)	Lower (FT.)	70 (85) MPH	80 (95) MPH	90 (105) MPH
40	30.0	15.0	36.7	27.4	21.0
50	36.0	18.0	34.8	25.9	20.0
60	46.0	23.0	33.3	24.7	19.0
70	56.0	28.0	32.0	23.8	17.0
80	66.0	33.0	31.0	23.0	12.0
90	66.0	33.0	13.8	9.3	5.3
100	66.0	33.0	5.5	2.0	-

45G

1. Tower designs are in accordance with ANSI/EIA-222-F. Wind speeds indicated as fastest mile (3 second gust).
2. All towers must have "fixed bases" with both bracket elevations. Pinned bases must not be used.
3. Designs assume one 5/8" transmission line on each face (total=3), symmetrically placed.
4. Antennas and mounts assumed symmetrically placed at tower apex.
5. Allowable antenna areas assume all round antenna members.
6. Allowable flat-plate antenna areas, based on EIA RS-222-C, may be obtained by multiplying areas shown by 0.6.
7. All brackets are to be ROHN (P/N HBLTVRD).
8. The interface of tower brackets to supporting structure is to be designed by others and must support a minimum horizontal force of 1810 lbs.
9. Foundation designs are in accordance with ANSI/TIA/EIA-222-F, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures", Section 7, for "Normal" soil conditions. "Normal" soil is defined as dry, cohesive soil with an allowable net vertical bearing capacity of 4000 PSF and an allowable net horizontal pressure of 400 PSF per linear foot of depth to a maximum of 4000 PSF.

Refer to pages 147-153 for General Installation and Foundation Notes.

FOUNDATION INFORMATION



55G BRACKETED ALLOWABLE ANTENNA AREAS

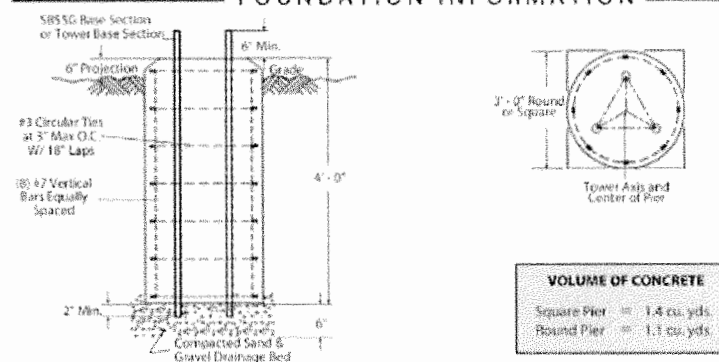
Tower Height (FT.)	Bracket Elevations		Allowable Antenna Areas (SQ. FT.)		
	Upper (FT.)	Lower (FT.)	70 (85) MPH	80 (95) MPH	90 (105) MPH
40	30.0	15.0	72.4	54.5	41.8
50	36.0	18.0	68.7	51.7	39.4
60	46.0	23.0	65.8	49.5	37.6
70	56.0	28.0	63.5	47.5	36.0
80	66.0	33.0	61.4	46.0	34.6
90	66.0	33.0	30.6	22.0	16.0
100	66.0	33.0	16.0	10.5	6.4

55G

1. Tower designs are in accordance with ANSI/EIA-222-F. Wind speeds indicated as fastest mile (3 second gust).
2. All towers must have "fixed bases" with both bracket elevations. Pinned bases must not be used.
3. Designs assume one 5/8" transmission line on each face (total=3), symmetrically placed.
4. Antennas and mounts assumed symmetrically placed at tower apex.
5. Allowable antenna areas assume all round antenna members.
6. Allowable flat-plate antenna areas, based on EIA RS-222-C, may be obtained by multiplying areas shown by 0.6.
7. All brackets are to be ROHN (P/N HBLTVRD).
8. The interface of tower brackets to supporting structure is to be designed by others and must support a minimum horizontal force of 1200 lbs.
9. Foundation designs are in accordance with ANSI/TIA/EIA-222-F, "Structural Standards for Steel Antenna Towers and Antenna Supporting Structures", Section 7, for "Normal" soil conditions. "Normal" soil is defined as dry, cohesive soil with an allowable net vertical bearing capacity of 4000 PSF and an allowable net horizontal pressure of 400 PSF per linear foot of depth to a maximum of 4000 PSF.

Refer to pages 147-153 for General Installation and Foundation Notes.

FOUNDATION INFORMATION



EL DORADO COUNTY PLANNING COMMISSION

DATE October 26, 2017
BY Roger Trent
EXECUTIVE SECRETARY

Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Harke Project Site - Tower Foundation
6060 Ambrosia Ln. Garden Valley Ca 95633

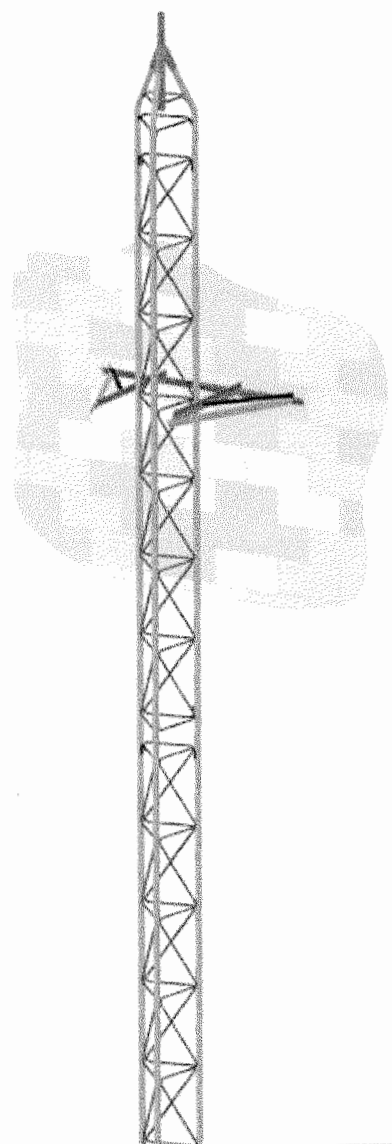


Table of Contents

G-SERIES WALL MOUNTS

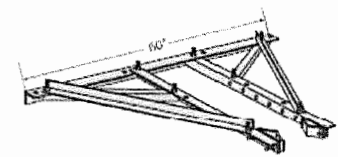


G-SERIES WALL BRACKETS & BASE MOUNTS

The HBUTVRO provides lateral support for 25G, 45G and 55G bracketed towers.

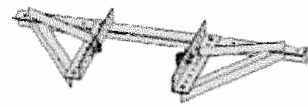
The bracket is pre-drilled to accept 5/8" dia. connectors to wall at 16" or 24" spacing.

Adjustable to position tower 18" - 36" from wall

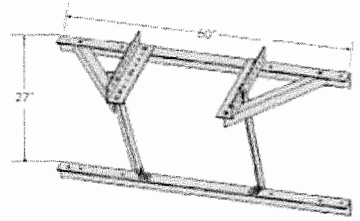


HBUTVRO

25GWM FOR 25G WALL SUPPORTED TOWERS



The 25GWM upper bracket provides lateral support for 25G wall supported towers. The lower bracket provides both lateral and vertical support. The 25G base plate (P/N KH6775, not shown) is provided with mount to provide an adjustable 6" - 20" of clearance to wall.

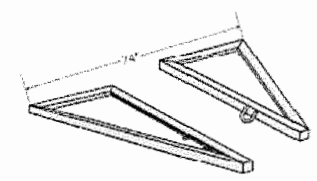


The brackets are pre-drilled to accept 5/8" dia. connectors at 16" or 24" spacing. A minimum 5" separation between the top and bottom brackets is recommended.

The KH1014 bracket provides lateral support for 65G bracketed towers.

The brackets are pre-drilled to accept 3/4" dia. connectors to wall at various center-to-center spacings (4.75" increments).

Adjustable to position tower 18" - 50" from wall.



KH1014 FOR 65G BRACKETED TOWERS

All mounts shown are hot-dip galvanized.



Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Harke Project Site - Wall Brackets
 6060 Ambrosia Ln. Garden Valley Ca 95633 **Cal.net**

S17-0005/Cal.net Towers North

Site Plan

Site 9 - REVISED Exhibit F

Legend

-  CSAF 9
-  New Location

New Location  CSAF 9

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION

DATE October 26, 2017

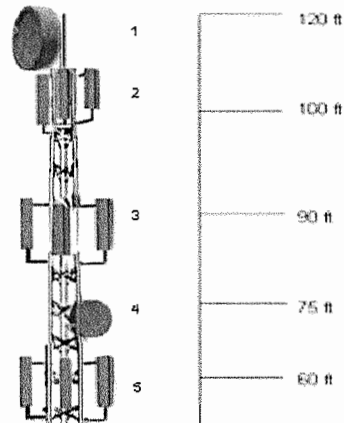
BY Roger J. [Signature]
EXECUTIVE SECRETARY

Google earth

© 2017 Google

200 ft





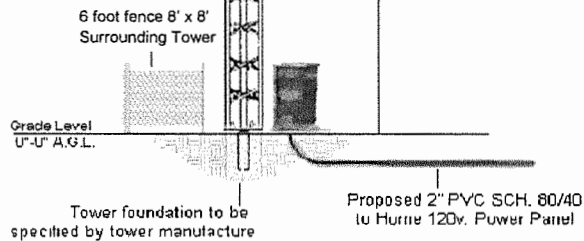
Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP

Proposed North
Elevation

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION
DATE October 26, 2017
BY Roger Trout
EXECUTIVE SECRETARY

not to scale

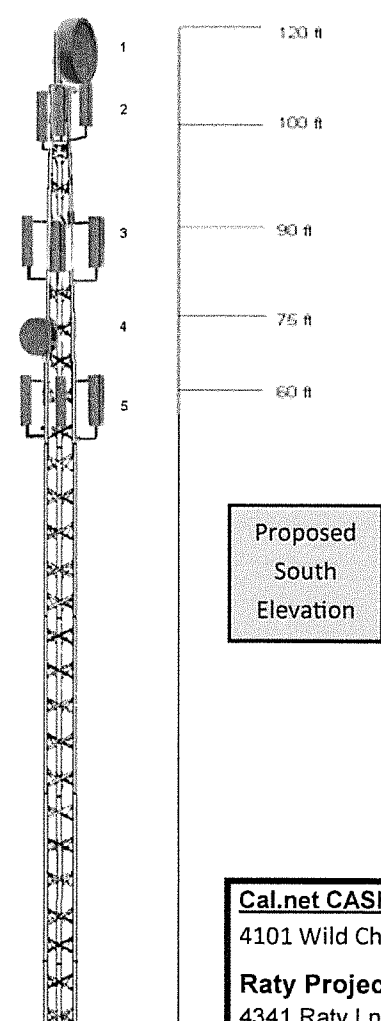
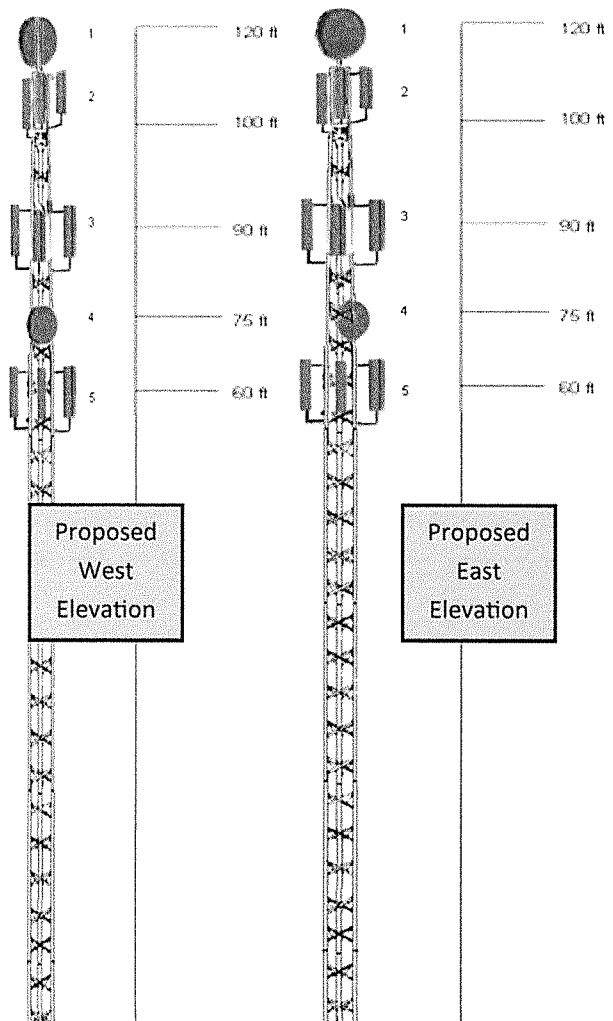


Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Raty Project Site - Tower Elevation
4341 Raty Ln, Garden Valley, Ca 95633



Tower Antenna List

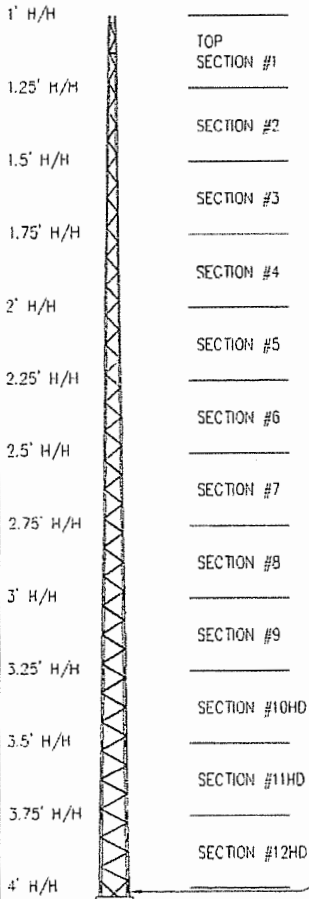
1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP



Proposed South Elevation



120FT H110 SUPERTITAN TOWER



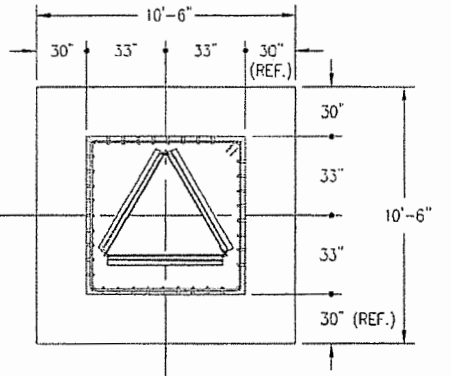
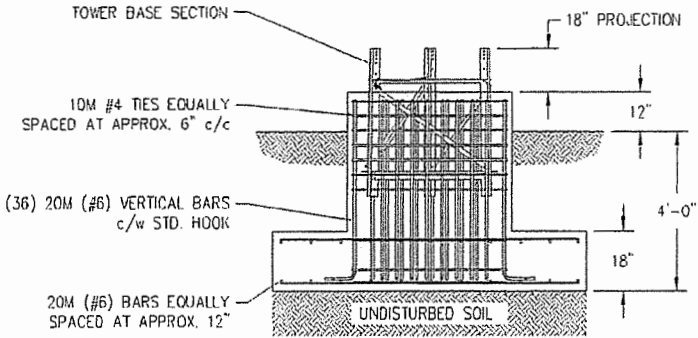
U S A	MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. F					
	WIND VELOCITY RATINGS					
	NO ICE (ROUND/FLAT)			1/2" ICE (ROUND/FLAT)		
	70 mph	90 mph	100 mph	70 mph	90 mph	100 mph
	9/6	--/--	--/--	8/5	--/--	--/--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

U S A	MAXIMUM ALLOWABLE ANTENNA AREA - PER TIA/EIA 222 REV. G, CLASS 1 (NO ICE)					
	WIND VELOCITY RATINGS					
	90 mph 3sg	110mph 3sg	120 mph 3sg	3sg = 3 SECOND GUST WINDSPEED		
	75 mph FM	90 mph FM	100 mph FM	FM = FASTEST MILE WINDSPEED		
	ROUND	FLAT	ROUND	FLAT	ROUND	FLAT
	--	--	--	--	--	--

FOUNDATION LOADS:
 MAX. OVERTURNING MOMENT (K*FT) =
 MAX. SHEAR (kips) =
 MAX. AXIAL (kips) =

FOUNDATION DESIGN (NORMAL DRY SOIL)
 DESIGN ASSUMES THAT FROST DEPTH IS LESS THAN 4'-0"



CUBIC YARDS OF CONCRETE		
PAD CONC VOL.	PIER CONC VOL.	TOTAL VOL.
6.1	3.9	10.0

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- NOTES: 1) KNOCK-DOWN PART NUMBER 5.94.H110.120.
 2) PRE-ASSEMBLED PART NUMBER: 5.95.H110.120.
 3) ANTENNA LOADS ARE CENTRALLY LOCATED AND BALANCED, 3-FT OR LESS ABOVE THE TOWER TOP.
 4) WIND LOADING ASSUMES (1) 1/2" TRANSMISSION LINE PER 10 SQ.FT. OF ROUND MEMBER ANTENNA AREA.

REV.	REV. BY:	CHK. BY:	DESCRIPTION	DATE

TRYLON TSE

CUSTOMER: _____ SITE: _____ SCALE: 150,000

DATE: 13 apr 07 BY: MRH CHK: _____ APP: _____

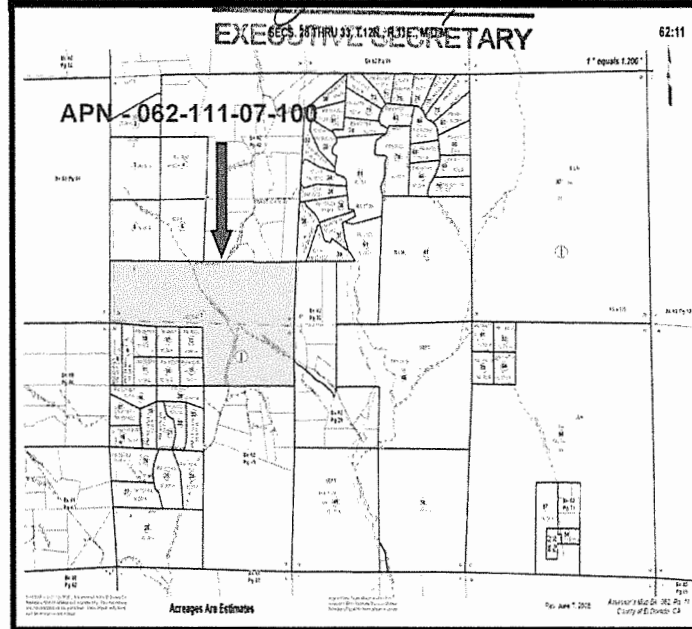
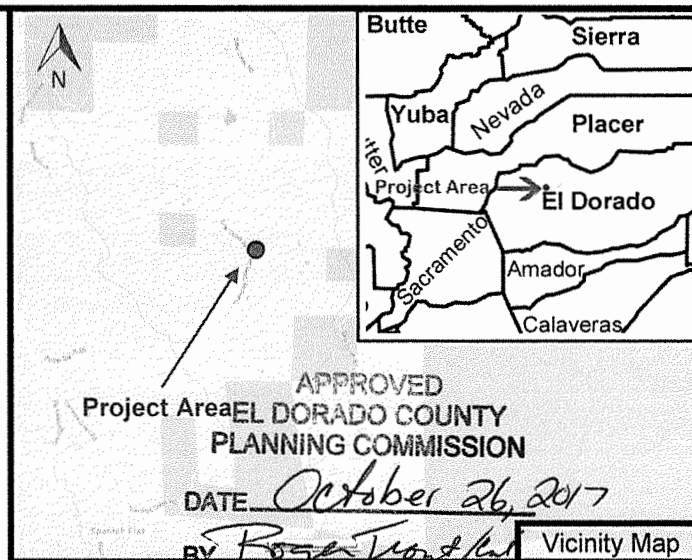
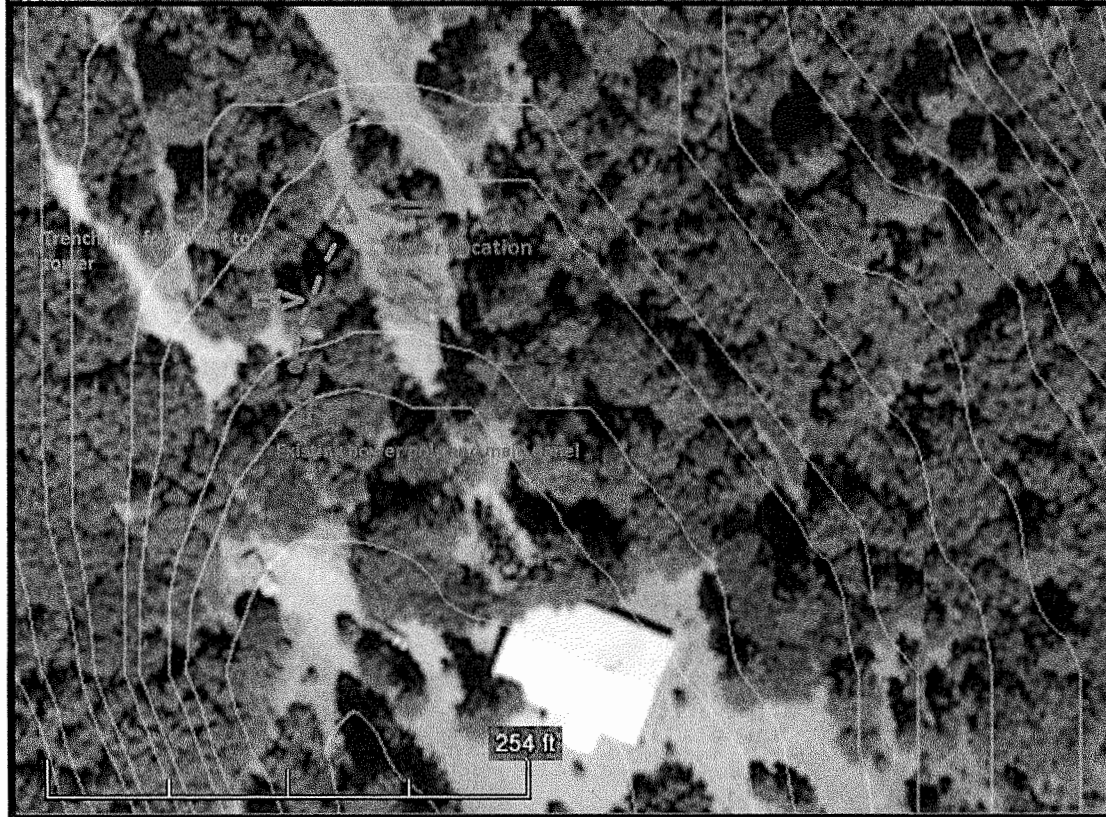
TITLE: 120FT H110 SUPERTITAN TOWER DRAWING NO. 000001.620.0437

EL DORADO COUNTY
 PLANNING COMMISSION

DATE October 26, 2017
 BY Roger Trout
 EXECUTIVE SECRETARY

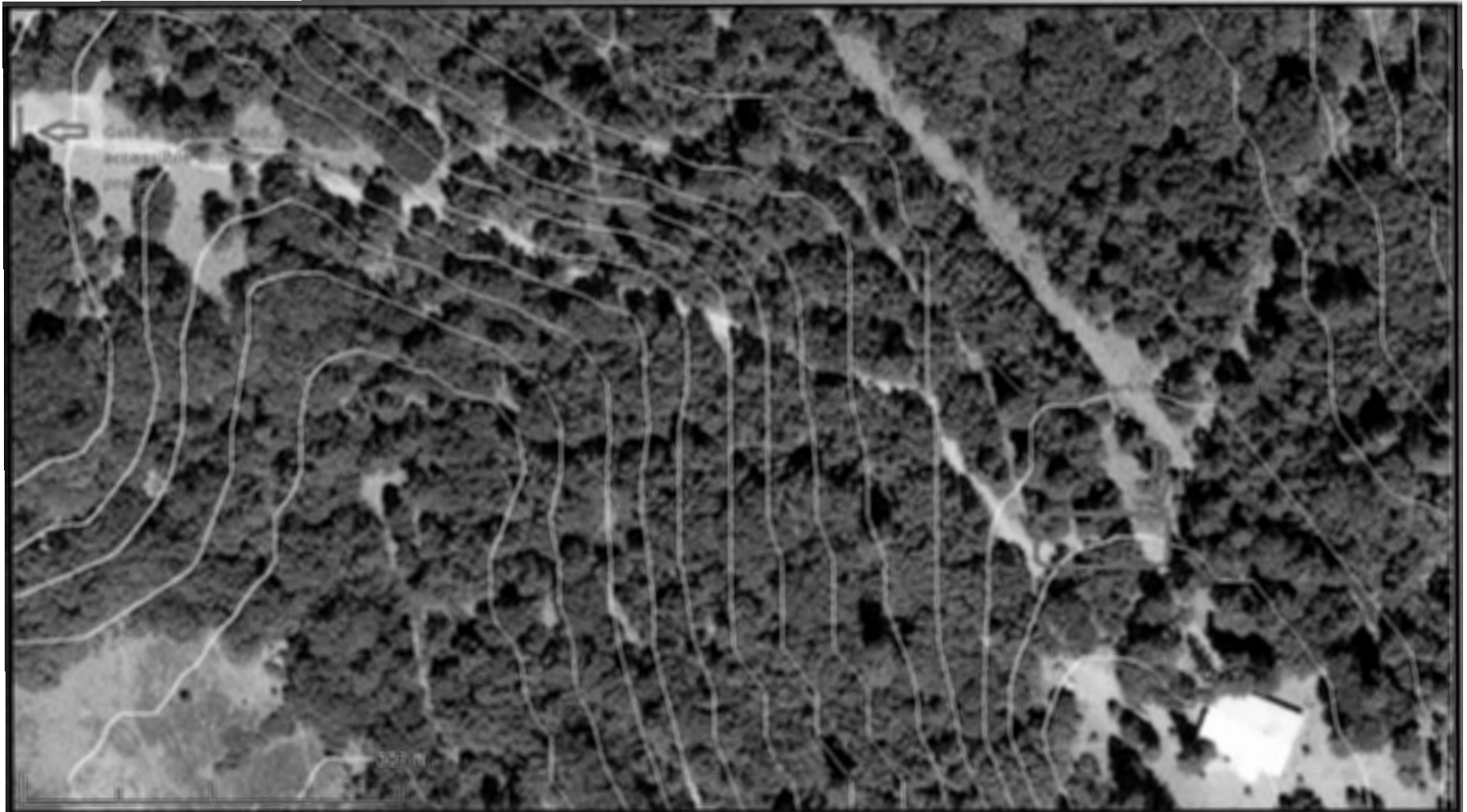
Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
 Raty Project Site - Tower Foundation
 4341 Raty Ln, Garden Valley, Ca 95633



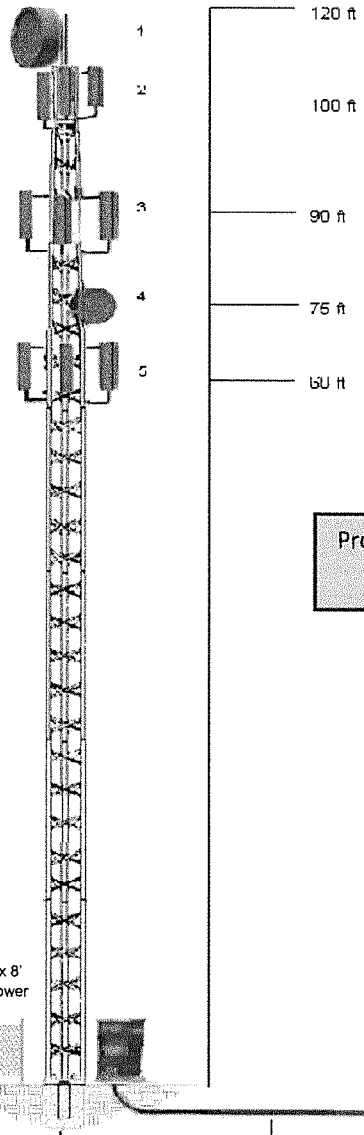


Cal.net CASF Wireless Broadband Project 1/3/2017
4101 Wild Chaparral Drive, Shingle Springs CA, 95682
Montillier Project Site - Site Plan
4841 Traverse Creek Rd. Garden Valley, Ca 95633 **Cal.net**

Site 10 - Exhibit F



Cal.net CASF Wireless Broadband Project 1/3/2017
4201 Wild Chaparral Drive, Shingle Springs CA, 95682
Montillier Project Site - Gates & Parking Cal.net
4841 Traverse Creek Rd, Garden Valley, Ca 95633



Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP

Proposed North
Elevation

APPROVED
EL DORADO COUNTY
PLANNING COMMISSION

DATE October 26, 2017

BY Roger Trout/cwb
EXECUTIVE SECRETARY

Site 10 - Exhibit G

not to scale

Greater level
0'-0" A.C.L.

6 foot fence 8' x 8'
Surrounding Tower

Tower foundation to be
specified by tower manufacturer

Proposed 2" PVC
SCH. 80/40 to Power Pole.

Cal.net CASF Wireless Broadband Project 1/3/2017

4101 Wild Chaparral Drive, Shingle Springs CA, 95682

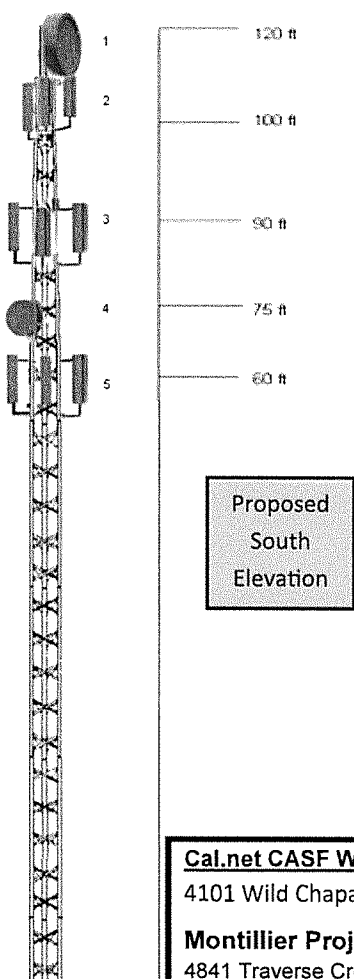
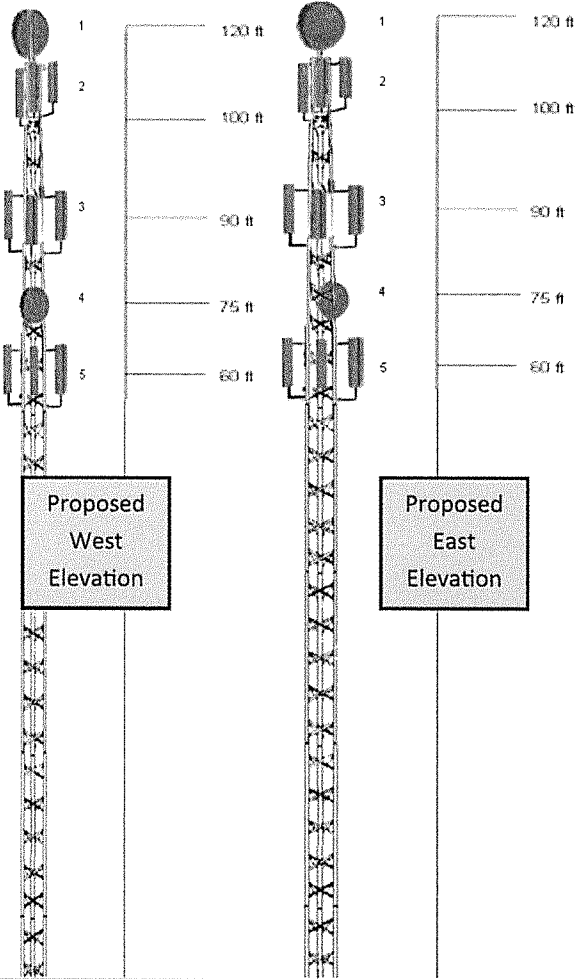
Montillier Project Site - Elevation

4841 Traverse Creek Rd. Garden Valley, Ca 95633

Cal.net

Tower Antenna List

1	Dragon Wave Licensed PTP
2	UBNT Sectors PTMP
3	Telrad Sectors PTMP
4	UBNT Dish Backhaul PTP
5	Carlson White Space PTMP



Cal.net CASF Wireless Broadband Project 1/3/2017

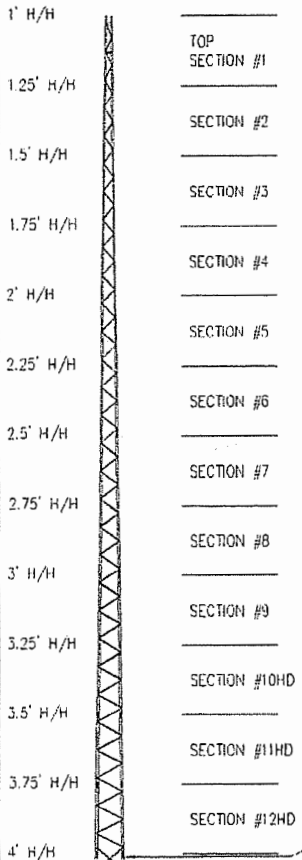
4101 Wild Chaparral Drive, Shingle Springs CA, 95682

Montillier Project Site - Elevations

4841 Traverse Creek Rd. Garden Valley, Ca 95633



120FT H110 SUPERTITAN TOWER



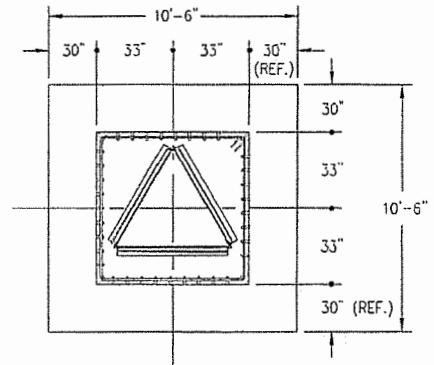
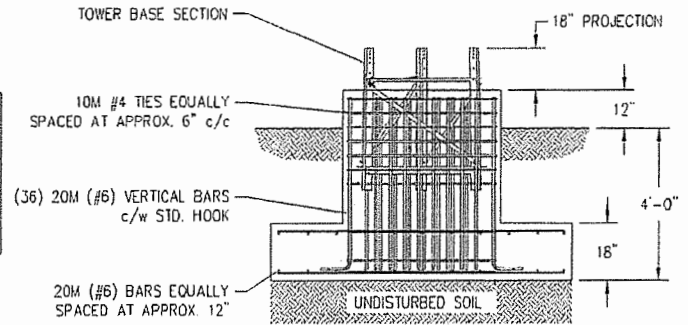
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75 mph FM	90 mph FM	100 mph FM		FM = FASTEST MILE WINDSPEED		
ROUND	FLAT	ROUND	FLAT	ROUND	FLAT	
--	--	--	--	--	--	

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REV.	BY:	CHK. BY:	DESCRIPTION	DATE

CUSTOMER:	SITE:	SCALE:	190,000
DATE: 13 apr 07	BY: URH	CHK:	APP:
TITLE: 120FT H110 SUPERTITAN TOWER	DRAWING NO. 000001.620.0437		

APPROVED
 EL DORADO COUNTY
 PLANNING COMMISSION

DATE October 26, 2017
 BY Rogan Trout/Cut
 EXECUTIVE SECRETARY

Site 10 - Exhibit H

Cal.net CASF Wireless Broadband Project 1/3/2017
 4101 Wild Chaparral Drive, Shingle Springs CA, 95682
 Montillier Project Site - Tower Base
 4841 Traverse Creek Rd. Garden Valley, Ca 95633

