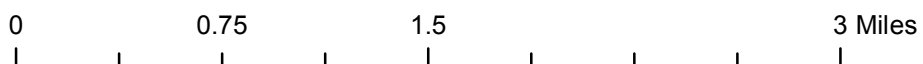
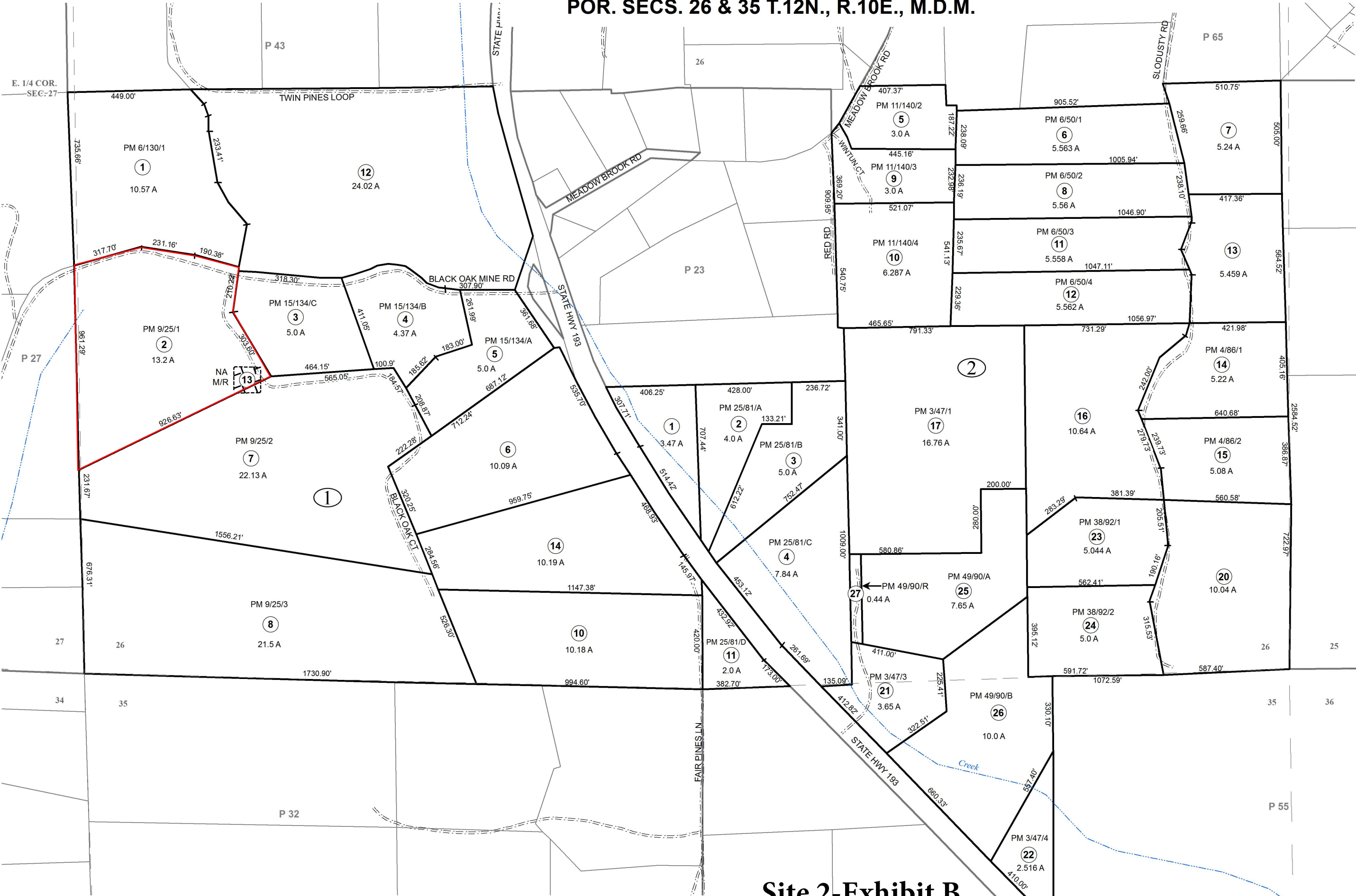
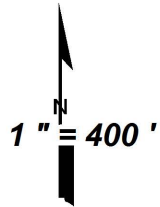


S17-0007/Site 2 Meadow Brook  
Location Map  
Exhibit A



POR. SECS. 26 & 35 T.12N., R.10E., M.D.M.

60:52



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

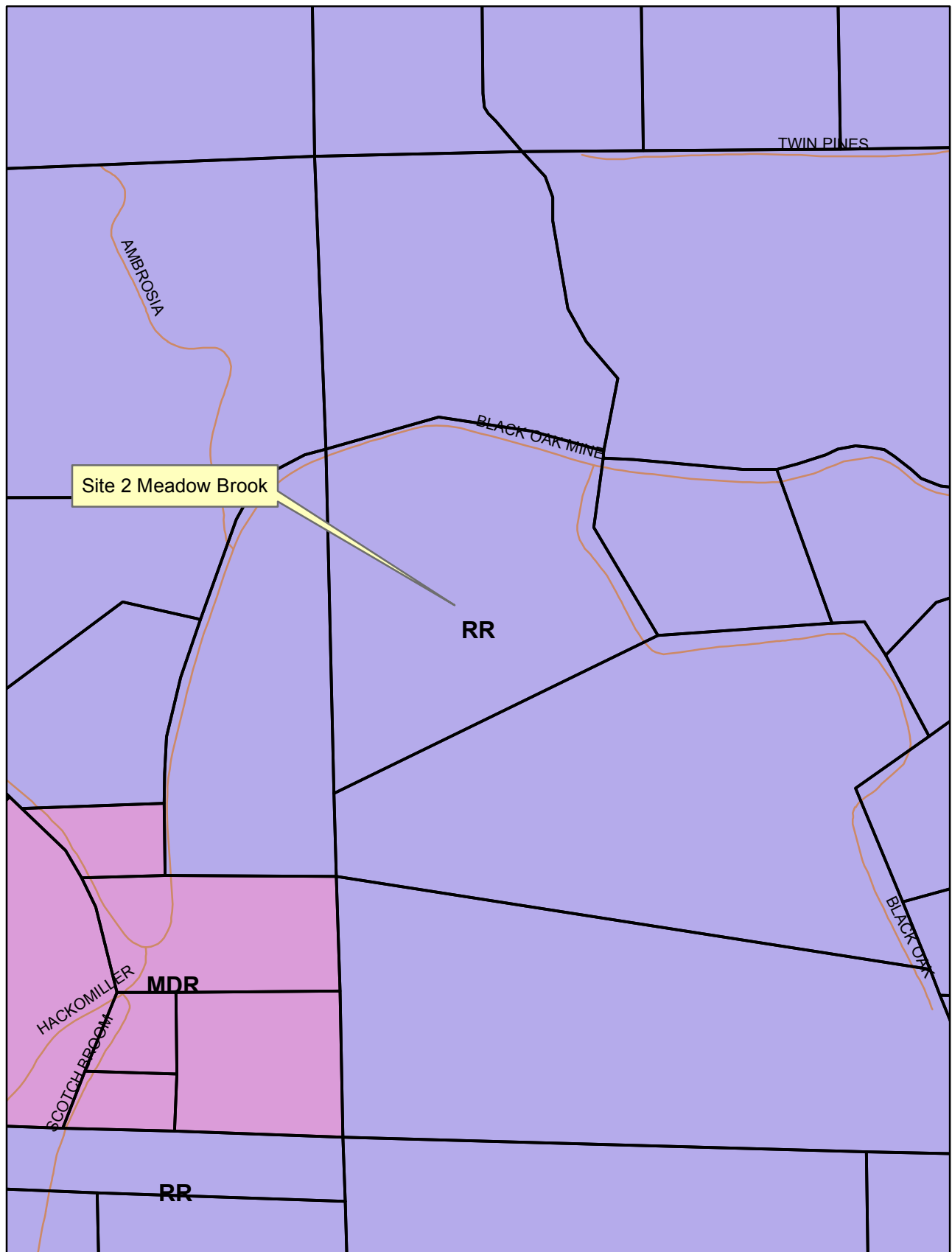
Acreages Are Estimates

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

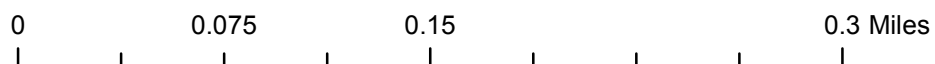
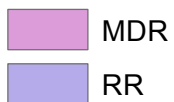
Site 2-Exhibit B

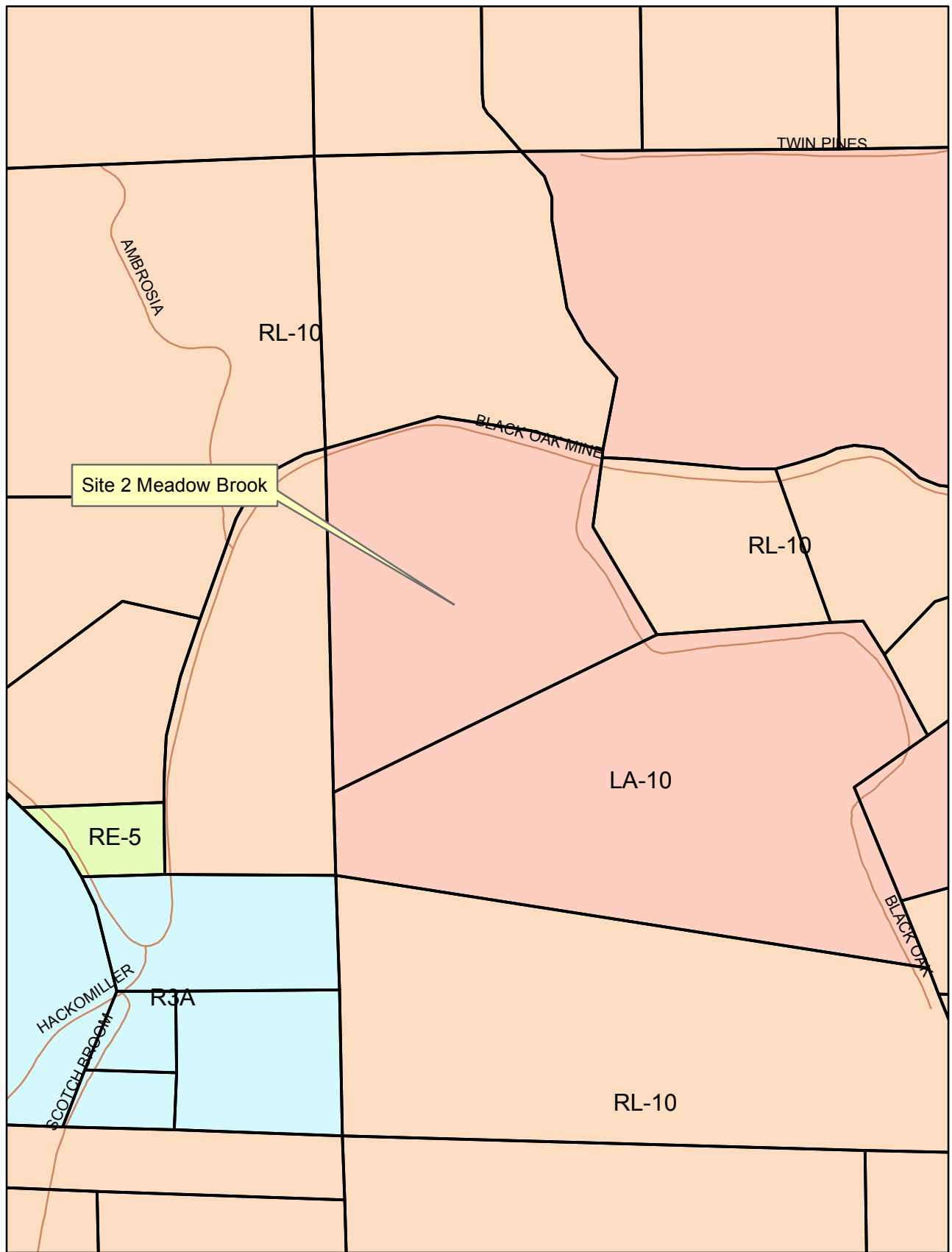
Rev2. Jan. 8, 2006

Assessor's Map Bk. 060, Pg.52  
County of El Dorado, CA

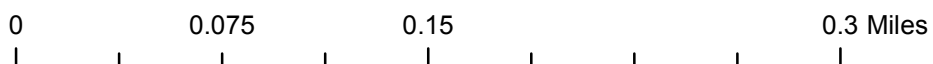
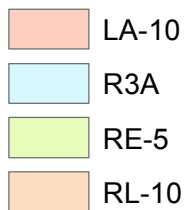


S17-0007/Site 2 Meadow Brook  
General Plan Designation Map  
Exhibit C





S17-0007/Site 2 Meadow Brook  
Zoning Designation Map  
Exhibit D





S17-0007/Site 2 Meadow Brook  
Aerial Map  
Exhibit E

0 0.075 0.15 0.3 Miles





**7020 BLACK OAK COURT  
GARDEN VALLEY, CA 95633  
JURISDICTION: ELDORADO COUNTY**

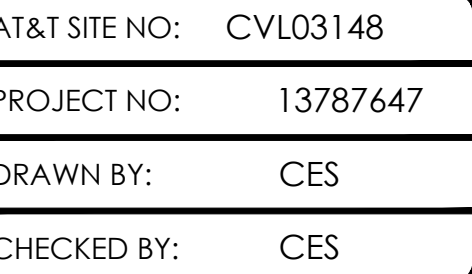
Issued For:

**MEADOW  
BROOK**


020 BLACK OAK COURT  
GARDEN VALLEY, CA  
95633



2600 Camino Ramon, 4W850 N  
San Ramon, California 94583



Licenseor:



A circular professional seal for a registered professional engineer in the State of California. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF CALIFORNIA" at the bottom, separated by two stars. Inside the ring, the name "CRAIG M. HORNER" is written in an arc, and the license number "No. 84674" is in the center. Below the number, the word "CIVIL" is written in an arc.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

Craig Horner, PE 84674  
214-407-3184  
3112 LEATHA WAY  
SACRAMENTO, CA 95821  
raigmhorner@yahoo.com

# TITLE SHEET

# T-1

## Site 2-Exhibit F

## GENERAL CONTRACTOR NOTES

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL SIZE AT 24" x 36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOBSITE AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME.





— 2 —

3. PLANS ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL OBTAIN, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL CONTACT USA (UNDERGROUND SERVICE ALERT) AT (800) 227-2600, FOR UTILITY LOCATIONS, 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION, SITE WORK OR CONSTRUCTION.
4. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE, OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CBC/UBC'S REQUIREMENTS REGARDING EARTHQUAKE RESISTANCE, FOR, BUT NOT LIMITED TO, PIPING, LIGHT FIXTURES, CEILING GRID, INTERIOR PARTITIONS, AND MECHANICAL EQUIPMENT. ALL WORK MUST COMPLY WITH LOCAL EARTHQUAKE CODES AND REGULATIONS.
6. REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWINGS, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLOT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT / ENGINEER PRIOR TO PROCEEDING WITH THE WORK IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT / ENGINEER.
7. THE BUILDING DEPARTMENT ISSUING THE PERMITS SHALL BE NOTIFIED AT LEAST TWO WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK, OR AS OTHERWISE STIPULATED BY THE CODE ENFORCEMENT OFFICIAL HAVING JURISDICTION.
8. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
9. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS, AND THEIR DIMENSIONS SHOWN ON THE PLAN HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ARCHITECT / ENGINEER AND THE OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR THE ACCURACY OF THE INFORMATION SHOWN ON THE PLANS, OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTORS SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTORS SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICALLY, PRIOR TO THE 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.
11. ALL NEW 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.
12. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED / DISTURBED 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-BUILT" DRAWINGS BY GENERAL CONTRACTOR, AND ISSUED TO THE ARCHITECT / ENGINEER AT COMPLETION OF PROJECT.
13. 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.
14. INCLUDE MISC. ITEMS PER AT&T SPECIFICATIONS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS

TIA 607 COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS TELCORDIA GR-63 NETWORK  
EQUIPMENT-BUILDING SYSTEM (NEBS): PHYSICAL PROTECTION  
TELCORDIA GR-347 CENTRAL OFFICE POWER WIRING  
TELCORDIA GR-1275 GENERAL INSTALLATION REQUIREMENTS  
TELCORDIA GR-1503 COAXIAL CABLE CONNECTIONS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

B.	ANCHOR BOLT	HT.	HEIGHT
ABV.	ABOVE	ICGB.	IMBEDDED COPPER GROUND BUS
ACCA	ANTENNA CABLE COVER ASSEMBLY	IN. ( " )	INCH(ES)
ADD'L	ADDITIONAL	INTERIOR	INTERIOR
A.F.F.	ABOVE FINISHED FLOOR	LB.(#)	POUND(S)
A.F.G.	ABOVE FINISHED GRADE	L.B.	L.B. BOLTS
ALUM.	ALUMINUM	L.F.	LINEAR FEET (FOOT)
ALT.	ALTERNATE	L.	LONG(ITUINAL)
ANT.	ANTENNA	MAS.	MASONRY
APPRX.	APPROXIMATE(LY)	MAX.	MAXIMUM
ARCH.	ARCHITECT(URAL)	M.B.	MACHINE BOLT
AWG.	AMERICAN WIRE GAUGE	MECH.	MECHANICAL
BLDG.	BUILDING	MFR.	MANUFACTURER
BLK.	BLOCK	MIN.	MINIMUM
BLKG.	BLOCKING	MISC.	MISCELLANEOUS
BM.	BEAM	MTL.	METAL
B.N.	BOUNDARY NAILING	(N)	NEW
BTOW.	BARE TINNED COPPER WIRE	NO.(#)	NUMBER
B.O.F.	BOTTOM OF FOOTING	N.T.S.	NOT TO SCALE
B/U	BACK-UP CABINET	O.C.	ON CENTER
CAB.	CABINET	OPNG.	OPENING
CANT.	CANTILEVER(ED)	(P)	PROPOSED
C.I.P.	CAST IN PLACE	P/C	PRECAST CONCRETE
CLG.	CEILING	PCS.	PERSONAL COMMUNICATION SERVICES
CLR.	CLEAR	PLY.	PLYWOOD
COL.	COLUMN	PPC	POWER PROTECTION CABINET
CONC.	CONCRETE	PRC	PRIMARY RADIO CABINET
CONN.	CONNECTION(OR)	P.S.F.	POUNDS PER SQUARE FOOT
CONST.	CONSTRUCTION	P.S.I.	POUNDS PER SQUARE INCH
CONT.	CONTINUOUS	P.T.	PRESSURE TREATED
d	PENNY (NAILS)	PWR.	POWER (CABINET)
DBL.	DOUBLE	QTY.	QUANTITY
DEPT.	DEPARTMENT	RAD.(R)	RADIUS
D.F.	DOUGLAS FIR	REF.	REFERENCE
DIA.	DIAMETER	REIN.	REINFORCEMENT(NG)
DIAG.	DIAGONAL	REQUIRED	REQUIRED
DM.	DIMENSION	RGS.	RIGID GALVANIZED STEEL
DWG.	DRAWING(S)	SCH.	SCHEDULE
DWL.	DOWEL(S)	SHT.	SHEET
EA.	EACH	SM.	SIMILAR
EL.	ELEVATION	SPEC.	SPECIFICATIONS
ELEC.	ELECTRICAL	SQ.	SQUARE
ELEV.	ELEVATOR	S.S.	STAINLESS STEEL
EMT.	ELECTRICAL METALLIC TUBING	STD.	STANDARD
EN.	EDGE NAIL	STE.	STEEL
ENG.	ENGINEER	STRUC.	STRUCTURAL
EQ.	EQUAL	TEMP.	TEMPORARY
EXP.	EXPOSITION	THK.	THICK(NESS)
EXST.(E)	EXISTING	T.N.	TOE NAIL
EXT.	EXTERIOR	T.O.A.	TOP OF ANTENNA
(F)	FUTURE	T.O.C.	TOP OF CURB
FAB.	FABRICATION(OR)	T.O.F.	TOP OF FOUNDATION
F.F.	FINISH FLOOR	T.O.P.	TOP OF PLATE (PARAPET)
F.G.	FINISH GRADE	T.O.S.	TOP OF STEEL
FIN.	FINISH(ED)	T.O.W.	TOP OF WALL
FLR.	FLOOR	TYP.	TYPICAL
FDN.	FOUNDATION	U.G.	UNDER GROUND
F.O.C.	FACE OF CONCRETE	U.L.	UNDERWRITERS LABORATORY
F.O.M.	FACE OF MASONRY	U.N.O.	UNLESS NOTED OTHERWISE
F.O.S.	FACE OF STUD	V.I.F.	VERIFY IN FIELD
F.O.W.	FACE OF WALL	W	WIDE (WIDTH)
F.S.	FINISH SURFACE	W/	WITH
FT.( ' )	FOOT (FEET)	WD.	WOOD
FTG.	FOOTING	W.P.	WEATHERPROOF
G.	GROWTH (CABINET)	WT.	WEIGHT
GA.	GAUGE	W.C.	CENTERLINE
G.I.	GALVANIZE(D)	P	PLATE, PROPERTY LINE
G.F.I.	GROUND FAULT CIRCUIT INTERRUPTER		
GLB. (GLU-LAM)	GLUE LAMINATED BEAM		
GPS	GLOBAL POSITIONING SYSTEM		
GRND.	GROUND		
HDR.	HEADER		
HGR.	HANGER		

	BLDG. SECTION		GROUT OR PLASTER		(P) ANTENNA
	ROAD SECTION		(E) BRICK		(P) RRU
	WALL SECTION		(E) MASONRY		(P) DC SURGE SUPPRESSION
	DETAIL		CONCRETE		(F) ANTENNA
	ELEVATION		EARTH		(F) RRU
	DOOR SYMBOL		GRAVEL		(E) EQUIPMENT
	WINDOW SYMBOL		PLYWOOD		
	TILT-UP PANEL MARK		SAND		
	PROPERTY LINE		PLYWOOD		
	CENTERLINE		SAND		
	ELEVATION DATUM		(E) STEEL		
	GRID/COLUMN LINE		MATCH LINE		
	KEYNOTE, DIMENSION ITEM		GROUND CONDUCTOR		
	KEYNOTE, CONSTRUCTION ITEM		OH		
	WALL TYPE MARK		TELCO		
	OFFICE		POWER		
	ROOM NUMBER		P/T		
			COAX		
			HYBRID		
			CHAIN LINK FENCE		
			WOOD FENCE		
			EXISTING FLOW LINE		
			NEW FLOW LINE		
			FIBER ROLL		
			SILT FENCE		

# GN-1

BEST MANAGEMENT PRACTICES "BMP" TABLE			
BEST MANAGEMENT PRACTICES	LOCATION	SCHEDULE IMPLEMENTATION	MAINTENANCE SCHEDULE
PRESERVING EXISTING VEGETATION	AROUND PERIMETER OF PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	EDUCATE EMPLOYEES AND SUBCONTRACTORS REGARDING IMPORTANCE OF MAINTAINING EXISTING VEGETATION TO PREVENT EROSION AND FILTER OUT SEDIMENT IN RUNOFF FROM DISTURBED AREAS ON THE CONSTRUCTION SITE. INSPECT SITE PERIMETER MONTHLY TO VERIFY THE OUTSIDE VEGETATION IS NOT DISTURBED.
PROTECT GRADED AREAS AND SLOPES FROM WASHOUT AND EROSION	THROUGHOUT PROJECT SITE	CONTINUOUS	INSPECT GRADED AREAS AND SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. THE GRADE TRIBUTARY AREAS OR INSTALL SAND DIKES AS NECESSARY TO PREVENT EROSION.
GRAVEL FILTER	ALONG FLOW LINES OF UNPAVED ROADWAYS WITHIN SITE	IN PLACE CONTINUOUSLY UNTIL ROADWAYS ARE PAVED	INSPECT AFTER EACH STORM. REMOVE ONSITE SEDIMENT DEPOSITED BEHIND BERM OR BARRIER TO MAINTAIN EFFECTIVENESS.
BAG INLET FILTER	INLETS TO THE STORM DRAINAGE SYSTEM	CONTINUOUS UNTIL LANDSCAPING IS IN PLACE	INSPECT WEEKLY AND AFTER EACH STORM. REMOVE SEDIMENT AND DEBRIS BEFORE ACCUMULATION HAVE REACHED ONE THIRD THE DEPTH OF THE BAG. REPAIR OR REPLACE INLET FILTER BAG AS SOON AS DAMAGE OCCURS.
FIBER ROLLS	SEE NOTE 3 OF EROSION & CONTROL NOTES	CONTINUOUS	INSPECT AFTER EACH STORM. REMOVE SEDIMENT DEPOSITED BEHIND FIBER ROLLS WHENEVER NECESSARY TO MAINTAIN EFFECTIVENESS.
HYDROSEEDING	3:1 SLOPES	IN PLACE DURING BY SEPT. 15	INSPECT SLOPES ON AT LEAST A MONTHLY BASIS TO CHECK FOR EROSION. IF EROSION IS NOTED, SPREAD STRAW MULCH OVER AFFECTED AREAS.
STABILIZED CONSTRUCTION ENTRANCE	ENTRANCES TO SITE FROM PUBLIC ROADWAYS	CONTINUOUS, UNTIL ENTRANCES AND ONSITE ROADWAYS ARE PAVED	INSPECT ON A MONTHLY BASIS AND AFTER EACH RAINFALL. ADD AGGREGATE BASE MATERIAL WHENEVER NECESSARY TO PREVENT SEDIMENT FROM BEING TRACKED INTO PUBLIC STREET.
WIND EROSION CONTROL PRACTICES	WHEREVER NECESSARY THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL GRADING IS COMPLETED AND SOILS HAVE STABILIZED	INSPECT SITE DURING WINDY CONDITIONS TO IDENTIFY AREAS WHERE WIND AND EROSION IS OCCURRING AND ABATE EROSION AS NECESSARY.
GOOD HOUSEKEEPING MEASURES	THROUGHOUT PROJECT SITE	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A MONTHLY BASIS TO VERIFY GOOD HOUSEKEEPING PRACTICES ARE BEING IMPLEMENTED.
PROPER CONSTRUCTION MATERIAL STORAGE	DESIGNATED AREA	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A WEEKLY BASIS TO VERIFY THAT CONSTRUCTION MATERIALS ARE STORED IN A MANNER WHICH COULD NOT CAUSE STORM WATER POLLUTION.
PROPER CONSTRUCTION WASTE STORAGE AND DISPOSAL INCLUDING	DESIGNATED COLLECTION AREA AND CONTAINERS	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	INSPECT SITE ON AT LEAST A WEEKLY BASIS TO ASSURE WASTE IS STORED PROPERLY AND DISPOSED OF AT LEGAL DISPOSAL SITE, DAILY.
CONCRETE SPILL CLEANUP PAINT & PAINTING SUPPLIES	MATERIAL HANDLING AREAS	IMMEDIATELY AT TIME OF SPILL	INSPECT MATERIAL HANDLING AREAS ON AT LEAST A MONTHLY BASIS TO VERIFY PROPER SPILL CLEANUP.
VEHICLE FUELING, MAINTENANCE & CLEANING	DESIGNATED AREA WITH SECONDARY CONTAINMENT	CONTINUOUS	KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ON SITE & INSPECT ON REGULAR SCHEDULE.
STREET AND STORM DRAINAGE FACILITY MAINTENANCE DEFINITIONS	STREETS AND STORM DRAINAGE FACILITIES	CONTINUOUS UNTIL CONSTRUCTION IS COMPLETED	MAINTAIN STORM DRAINAGE FACILITIES AND PAVED STREETS CLEAR OF SEDIMENT AND DEBRIS.
1. WET SEASON: ENTIRE PERIOD BETWEEN OCTOBER 1 THROUGH APRIL 30. CONTRACTOR SHALL ALSO IMPLEMENT WET SEASON MEASURES IF WET WEATHER IS EXPECTED DURING THE DRY SEASON 2. PHASES OF GRADING INITIAL: WHEN CLEARING AND GRUBBING ACTIVITIES OCCUR. ROUGH: WHEN CUT AND FILL ACTIVITIES OCCUR AND THE SITE IMPROVEMENTS ARE CONSTRUCTED, INCLUDING UNDERGROUND PIPING, STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS. WHEN FINAL ELEVATION IS SET, AND SITE IMPROVEMENTS ARE COMPLETED AND READY FOR CITY ACCEPTANCE.			

FIBER ROLL NOTES:

1. REPAIR OR REPLACE SPLIT, TORN UNRAVELING OR SLUMPING FIBER ROLLS. FIBER ROLLS TO BE STAKED 4' O.C. PARALLEL TO (E) CONTOURS.
2. INSPECT FIBER ROLLS WHEN RAIN IS FORECAST, DURING AND FOLLOWING RAIN EVENTS, AT LEAST DAILY DURING PROLONGED RAINFALL, FOR SPECIFIC MONITORING INTERVALS REFER TO THE CURRENT VERSION OF STORM WATER "BMP" MANUAL FOR DURING THE NON-RAINY SEASON.
3. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE-HALF THE DISTANCE BETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO THE EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.
4. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED THE LANDSCAPE INSPECTOR.

CONSTRUCTION EROSION/SEDIMENTATION  
CONTROL PLAN NOTES:

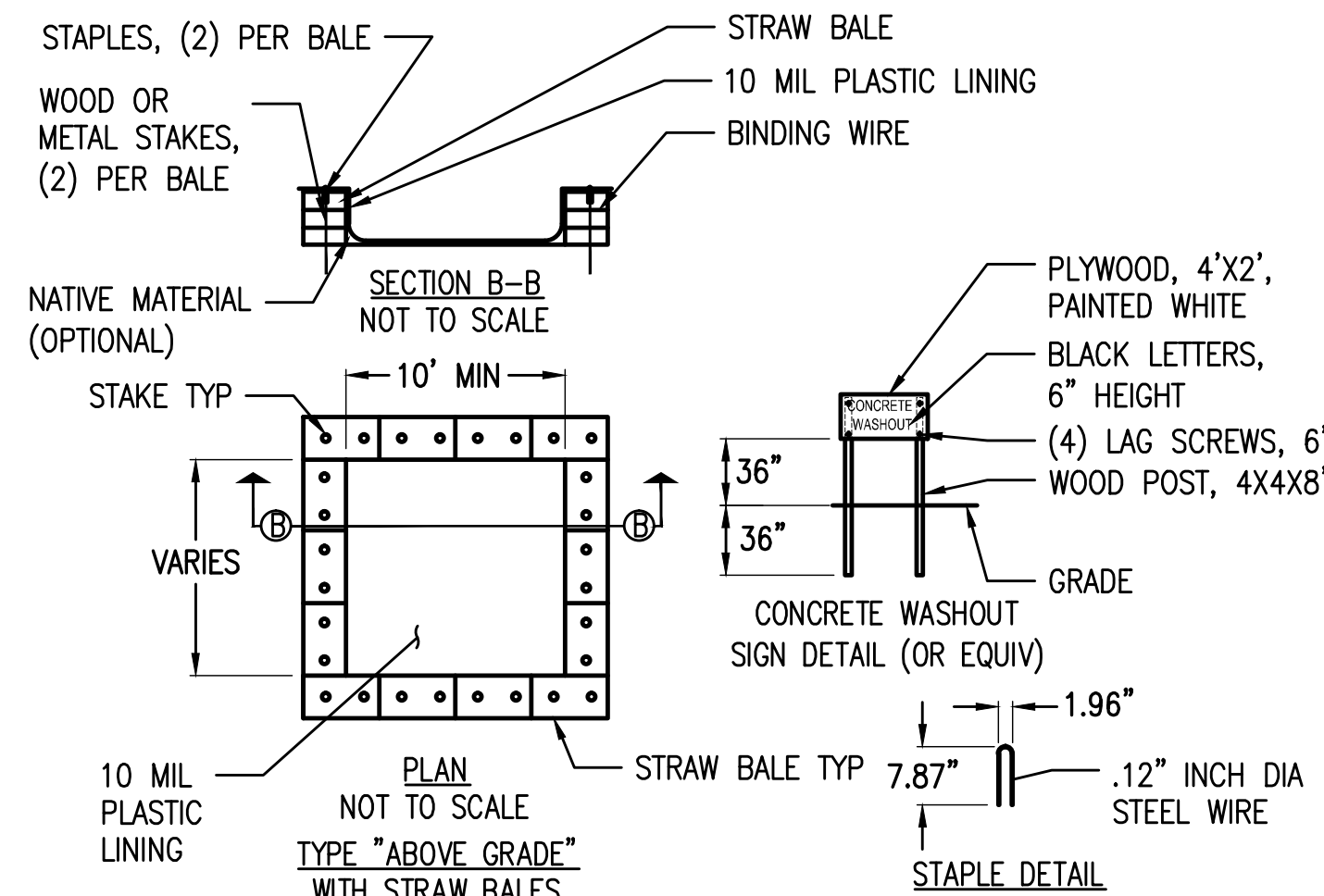
1. THE CONTRACTOR SHALL FOLLOW TYPICAL GUIDELINES FOR GRADING, EROSION AND SEDIMENT CONTROL FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.
2. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
4. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE DURING AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC SCHEDULE PER SITE CONDITIONS.
6. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPS, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPS OR EROSION AND SEDIMENT CONTROL PLAN.
7. IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
8. THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF CONSTRUCTION WHEN APPLICABLE FOR SITES NOT ACCESSIBLE BY COMMERCIALLY PREPARED ACCESSES. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE (WHEN APPLICABLE) SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION IS COMPLETE.
9. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY.
10. CONTRACTOR SHALL PLACE GRAVEL BAGS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
11. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
12. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
13. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
14. CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:

- A. SOLID WASTE MANAGEMENT:  
PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
- B. MATERIAL DELIVERY AND STORAGE:  
PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA DAILY
- C. CONCRETE WASTE:  
PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
- D. PAINT AND PAINTING SUPPLIES:  
PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE DAILY FOR EVIDENCE OF IMPROPER DISPOSAL.
- E. VEHICLE FUELING, MAINTENANCE AND CLEANING:  
PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PAN. MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA DAILY.
- F. HAZARDOUS WASTE MANAGEMENT:  
PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE GROUND THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOLID WASTES, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

15. USE "BMP'S" AT ALL PHASES OF CONSTRUCTION.
16. GRAVEL BAGS WITH FIBER ROLLS/ SILT BARRIER AND OR BAG INLET FILTERS TO BE INLET PROTECTION FROM CONSTRUCTION CONTAMINATES. CONTRACTOR TO FIELD IDENTIFY CONDITIONS WHERE THIS MAY APPLY AND MAINTAIN DURING THE COURSE OF CONSTRUCTION. SHALL APPLY TO THE LOCAL SITE ACTIVITY AS WELL AS ANY AREA TRAVELED EXCEPT POINT OF SITE ACCESS AND ONTO THE PUBLIC RIGHT OF WAYS. NO CONSTRUCTION SHALL ENTER ANY STORM WATER DRAIN AT ANY TIME. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THIS AT ALL TIMES DURING THE CONSTRUCTION PHASE.
17. ANY AN ALL STORED MATERIALS, INCLUDING BUT NOT LIMITED TO, EXCAVATED SOIL, ROCK, SAND OR GRAVEL, PAINT, CONCRETE, WOOD, METAL, OR CONTAMINATED WATER SHALL BE STORED PROPERLY TO INSURE NO DISCHARGE OF CONTAMINATES.
18. REMOVE DIRT, DEBRIS AND WEEDS FROM PUBLIC SIDE WALK AREAS AND STORM DRAINS. NO CONSTRUCTION MATERIALS OR DEBRIS TO AN APPROVED LOCATION AS OR AS DIRECTED BY THE CITY ENGINEER). A CONCRETE WASHOUT SHALL BE ONSITE AT ALL TIMES. CONTRACTOR TO FIELD VERIFY LOCATION, AND BEST METHOD TO PREVENT SPILLS AND LEAKS OF CONCRETE/ WATER CONTAMINANTS.
19. CONTRACTOR TO FIELD IDENTIFY "BMP'S" (BEST MANAGEMENT PRACTICES) PER SITE SPECIFIC CONDITIONS. CONTRACTOR TO REFER TO CURRENT VERSION OF STORMWATER "BMP" MANUAL FOR SPECIFIC DETAILS NOT SPECIFIED IN THIS PLAN.

STORM WATER QUALITY NOTES:

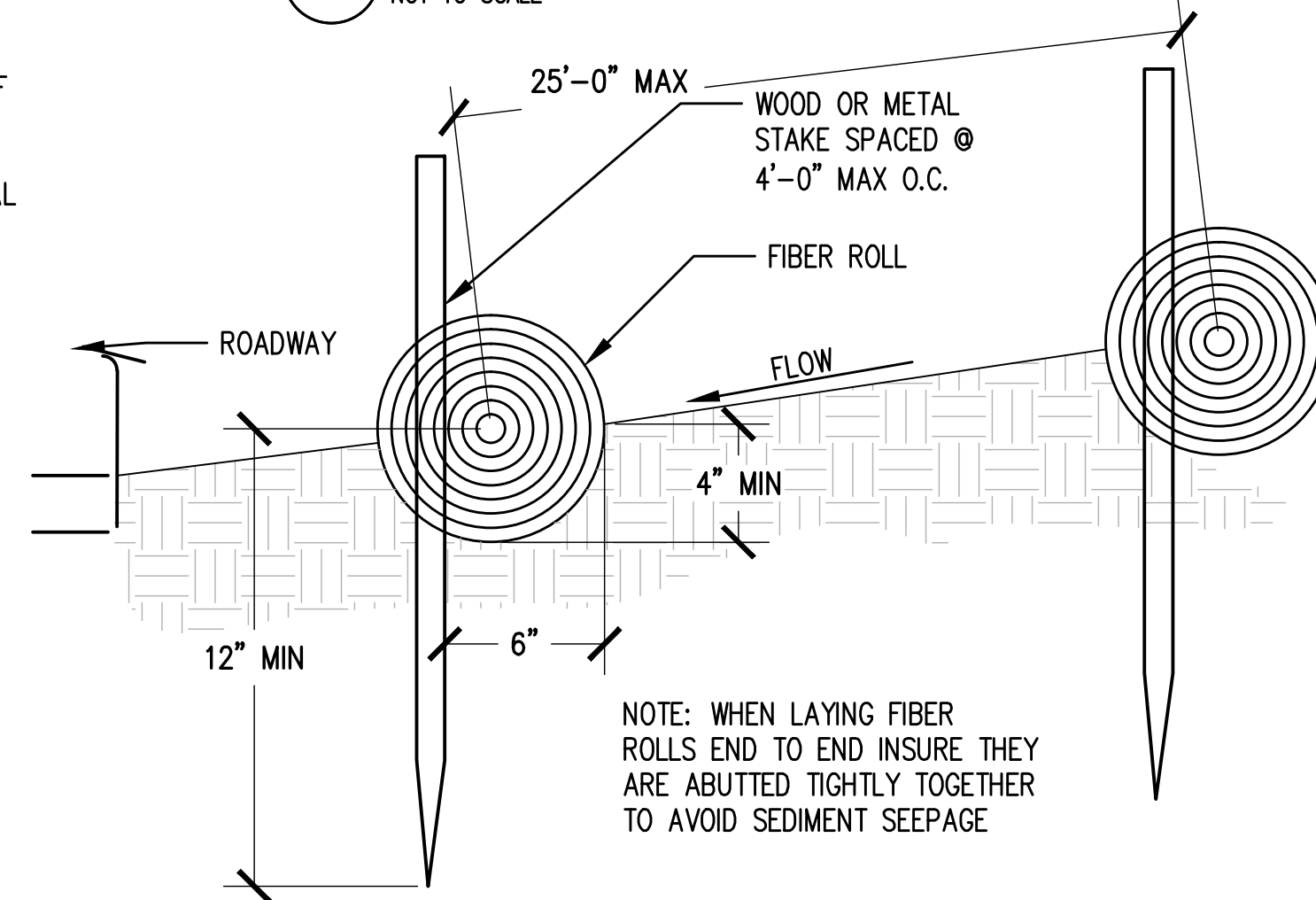
1. CONTRACTOR SHALL PROVIDE DRAIN INLET PROTECTION FOR ALL CATCH BASINS LOCATED IN THE VICINITY OF WORK. THIS INCLUDES ANY CATCH BASINS IN THE PUBLIC RIGHT-OF-WAY, AS WELL AS ANY ON-SITE CATCH BASINS ON PRIVATE PROPERTY.
2. CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE/EGRESS FROM PROJECT SITE TO PREVENT TRACK-OUT OF SEDIMENT ONTO THE PUBLIC RIGHT-OF WAY FROM CONSTRUCTION VEHICLES.
3. CONTRACTOR SHALL ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT DEPOSIT SEDIMENT ONTO THE PUBLIC ROADWAY, SIDEWALKS AND GUTTERS. ALL SEDIMENT AND CONSTRUCTION DEBRIS MUST BE REMOVED BY THE END OF EACH WORKING DAY.
4. CONTRACTOR SHALL USE STREET SWEEPING OR OTHER DRY SWEEPING METHOD, AS NECESSARY, TO REMOVE CONSTRUCTION OR DEMOLITION-RELATED SEDIMENT FROM PUBLIC SIDEWALKS, GUTTERS AND ROADWAY.
5. CONTRACTOR SHALL SCHEDULE WORK FOR DRY-WEATHER DAYS WHEN NO RAIN IS IN THE IMMEDIATE FORECAST.
6. CONTRACTOR SHALL INSTALL AN APPROVED WASH-OUT STRUCTURE AT THE CONSTRUCTION SITE. ALL CONCRETE, PAINT, STUCCO AND OTHER LIQUIDS WILL BE WASHED OUT IN THIS AREA.
7. CONTRACTOR SHALL PROVIDE DUST CONTROL TO PREVENT THE NUISANCE OF BLOWING DUST WITHOUT CAUSING SEDIMENT, DEBRIS, OR LITTER TO ENTER THE ANY STORM DRAIN SYSTEM.
8. CONTRACTOR SHALL INSTALL ANY OTHER BMPs AS NECESSARY TO CONTROL THE DISCHARGE OF POLLUTANTS FROM THE PROJECT SITE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND ADHERENCE TO THE LOCAL REQUIREMENTS.



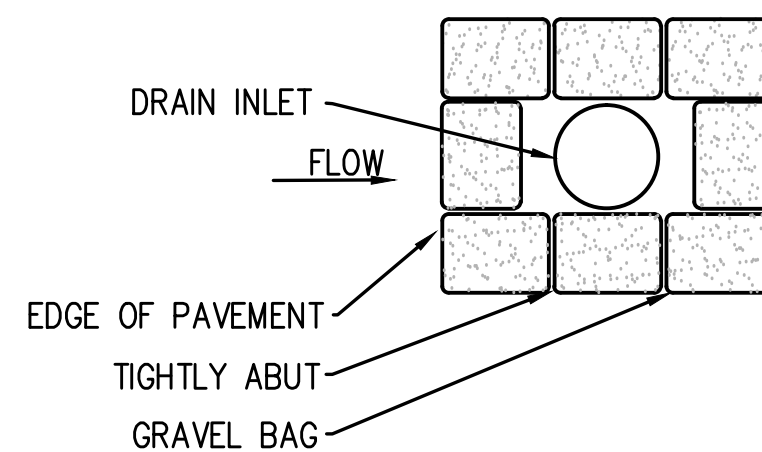
NOTES:

1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 32' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

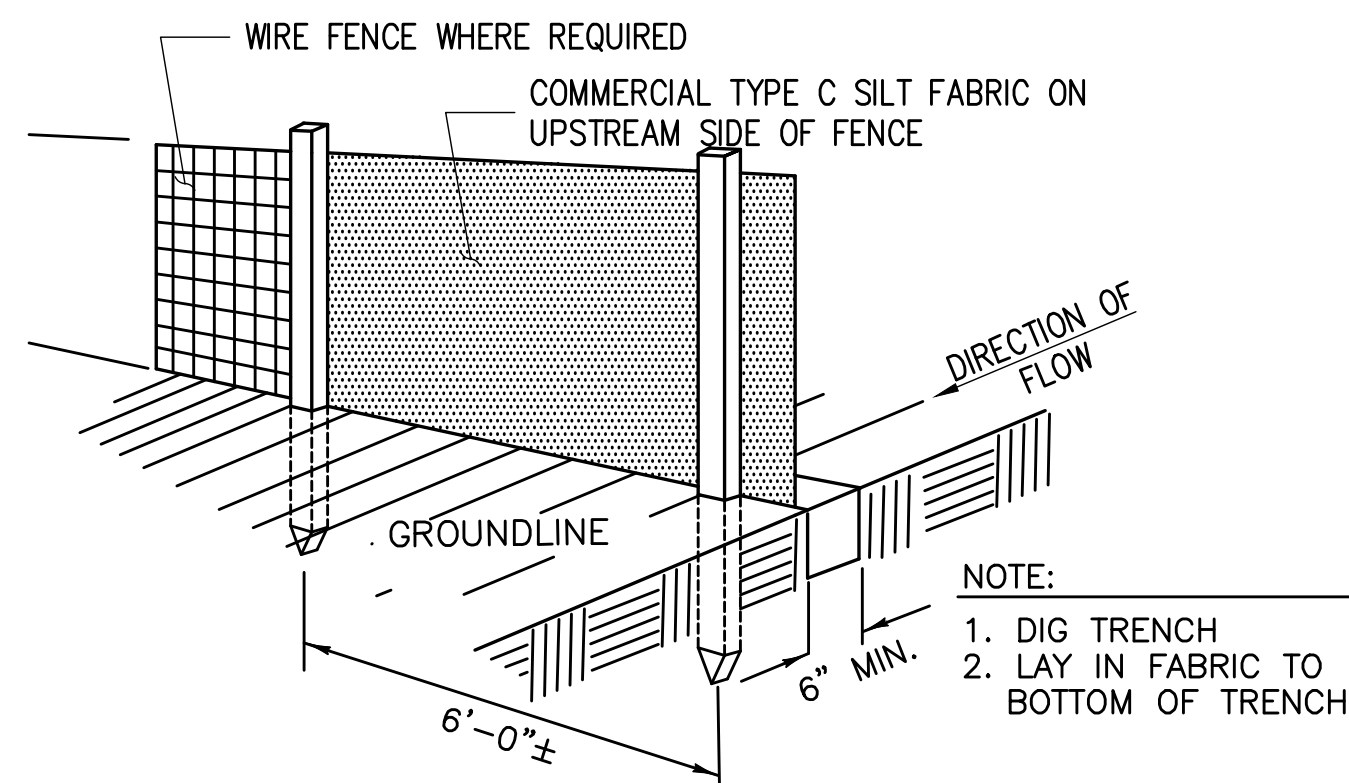
1 CONCRETE WASHOUT DETAIL  
NOT TO SCALE



2 DRAIN INLET DETAIL  
NOT TO SCALE



3 FIBER ROLL DETAIL  
NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- |  |   |
|--|---|
| 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.                          | POSTS: STEEL EITHER T OR U<br>TYPE OR 4" HARDWOOD.<br>MINIMUM LENGTH — 5 FEET       |
| 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. | FENCE: WOVEN WIRE, 14 GA.<br>6" MAX. MESH OPENING.<br>AS DIRECTED BY MARYLAND DOWNS |
| 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.      | FILTER CLOTH: FILTER X, MIRAFI 100X'<br>STABILINKA T140N OR<br>APPROVED EQUAL.      |
| 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULDGES" DEVELOP IN THE SILT FENCE.     | PREFABRICATED UNIT: GEOFAB,<br>ENVIROFENCE OR APPROVED<br>EQUAL.                    |

4 TYPE C SILT FENCE DETAIL  
NOT TO SCALE


Issued For:

MEADOW  
BROOK

7020 BLACK OAK COURT

GARDEN VALLEY, CA  
95633

PREPARED FOR

 **at&t**


2600 Camino Ramon, 4W850 N  
San Ramon, California 94583



AT&T SITE NO:	CVL03148
PROJECT NO:	13787647
DRAWN BY:	CES
CHECKED BY:	CES

0	02/09/17	ZD 90%
0	02/29/17	ZD 100%
1	04/19/17	ZD 100%
REV	DATE	DESCRIPTION

Licenser:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

Engineer:

**ADAPTIVE RE-USE  
ENGINEERING**

Craig Horner, PE 84674  
214-407-3184  
3112 LEATHA WAY  
SACRAMENTO, CA 95821  
craigmhorner@yahoo.com

SHEET TITLE:

**EROSION CONTROL  
NOTES**

SHEET NUMBER:

**C-2**



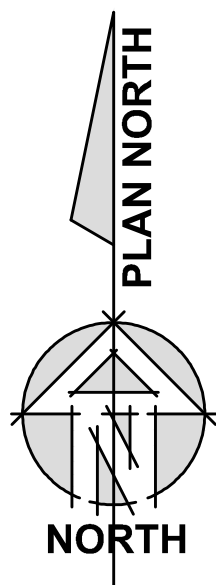


ALL PROPERTY BOUNDARIES, ORIENTATION OF TRUE NORTH AND STREET HALF-WIDTHS HAVE BEEN OBTAINED FROM A TAX PARCEL MAP AND EXISTING DRAWINGS AND ARE APPROXIMATE.

1. NO GRADING OR PERMANENT CONSTRUCTION SHALL OCCUR WITHIN DRIP LINES OF TREES THAT ARE TO REMAIN WITHOUT ARBORIST APPROVAL.

(P) ROCKED HAMMER HEAD  
 (P) AT&T 35KW LP PROPANE GENERATOR  
 (P) AT&T 30'X40' LEASE AREA  
 (P) 11'-5"X12' SHELTER  
 (E) SMALL PINE TREE TO BE REMOVED  
 (P) AT&T 160' TALL MONOPINE  
 (P) AT&T 500 GAL LP PROPANE TANK  
 (P) AT&T EQUIPMENT ENCLOSURE PLAN  
 LEASE AREA: 1200 S.F.  
 (P) ±250' UNDERGROUND POWER CONDUIT  
 (P) AT&T 5'-0" UG EASEMENT POWER= ± 250'  
 (P) PAVED ACCESS IMPROVEMENT  
 (P) KNOX BOX AT GATE  
 (P) AT&T 5' WIDE UTILITY EASEMENT  
 (E) JOINT POLE # NOT AVAILABLE, (P) AT&T POWER/FIBER POC  
 (E) FENCE, TYPICAL  
 (P) 3'X5' TELCO VAULT BY AT&T MOBILITY  
 (P) (1) 4" CONDUIT 30'± WITH INNERDUCT AND MULE TAPE BY AT&T MOBILITY  
 (E) OVERHEAD POWER  
 (P) AT&T 5' WIDE UTILITY EASEMENT  
 (E) JOINT POLE # NOT AVAILABLE, (P) AT&T POWER POC

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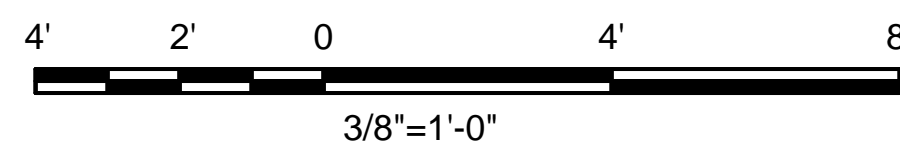
20' 10' 0 20' 40'

1"=20'-0"

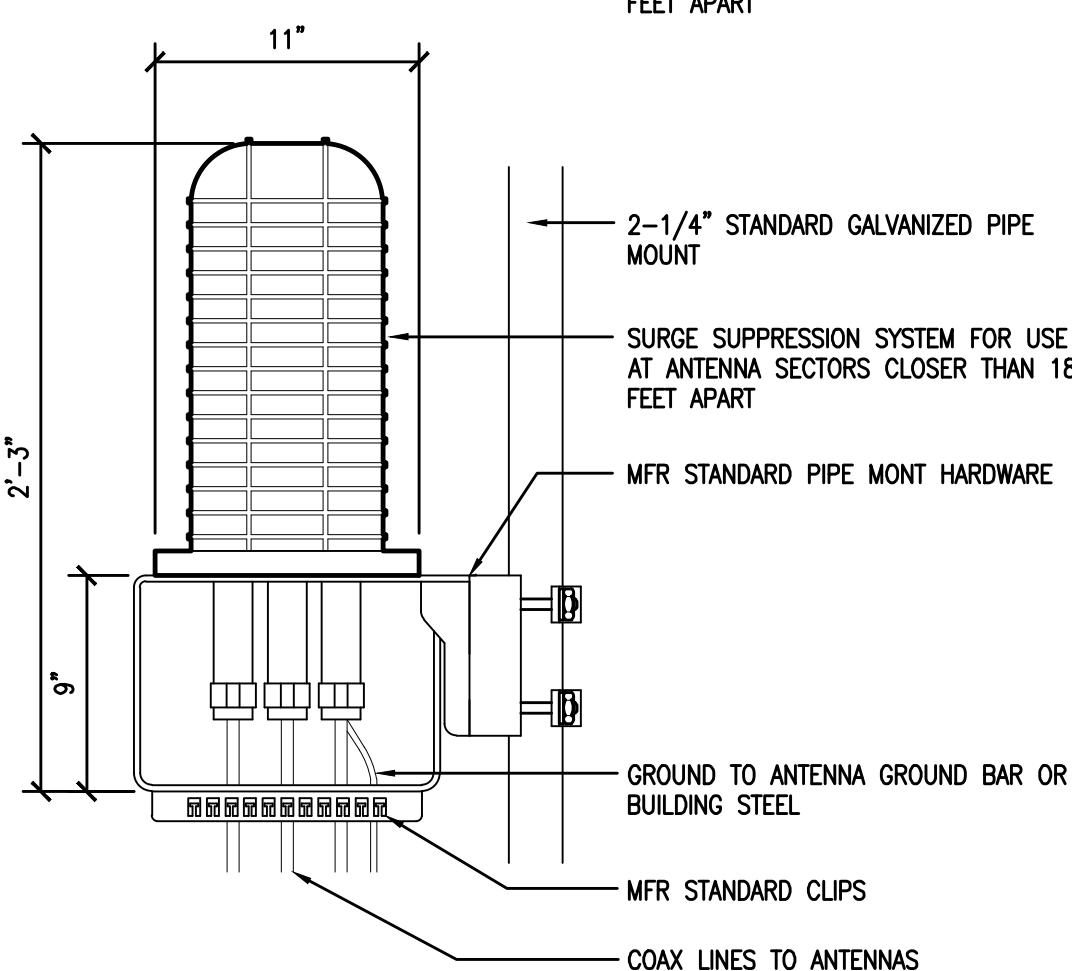
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**SITE PLAN**  
1"=20'-0"

## A-1.1



WEIGHT:     +/- 50 LBS.     (INCLUDING MOUNTING HARDWARE)


$$1 - 1/2^n = 1 - 0^n$$

Technical drawings of the P1000 Unistrut showing front and side views with dimensions and labels.

**FRONT VIEW**

- Overall height: 20"
- Overall width: 13.3"
- Top clearance (CLR): 16"
- Bottom clearance (CLR): 12"

**SIDE VIEW**

- Overall depth: 9.5"
- Labels:
  - MFR'S STANDARD MOUNTING BRACKETS
  - P1000 UNISTRUT AS ALTERNATE ATTACHMENT
  - SUNSHIELD

$$2) \frac{1}{2^n} = 1 - 0^n$$

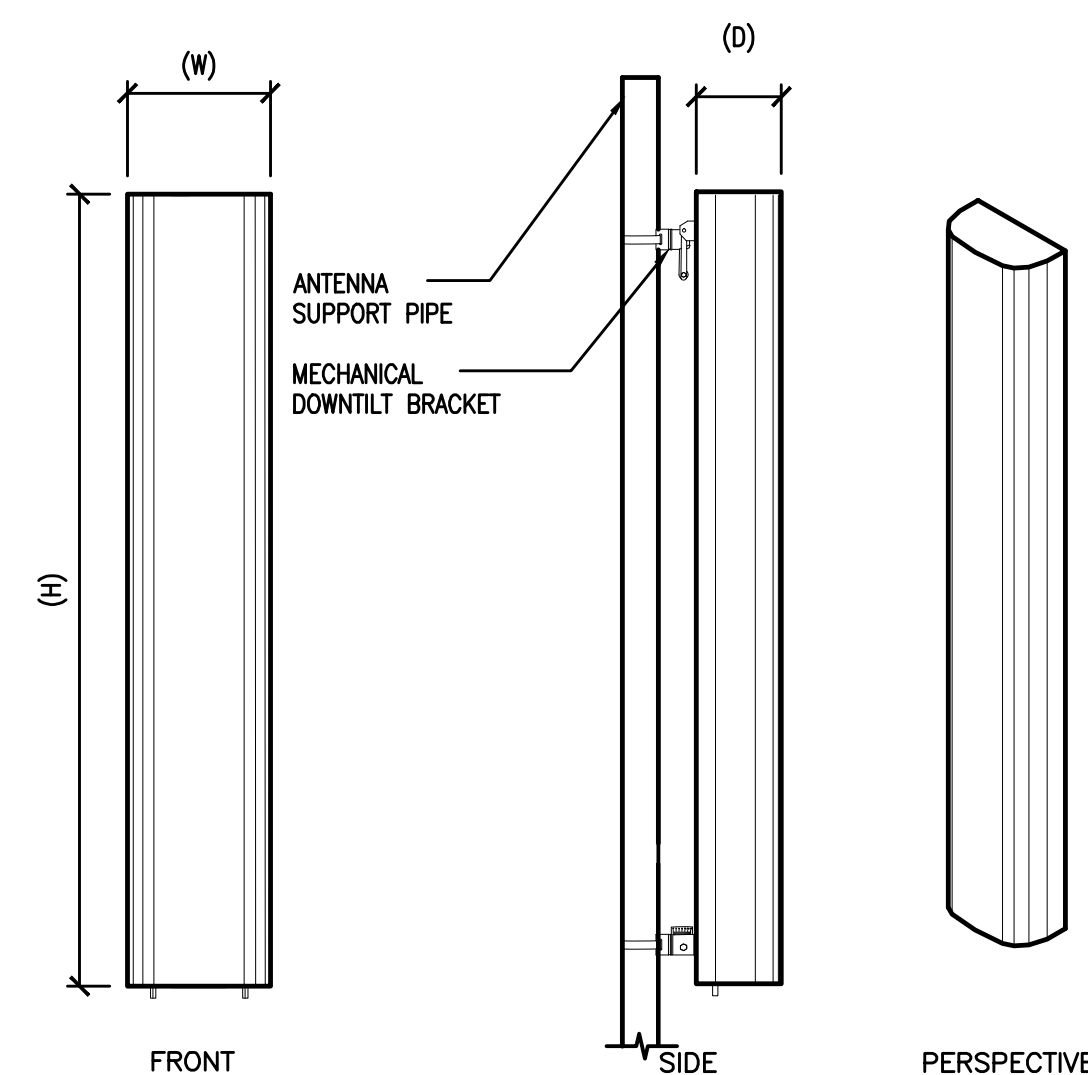
Technical drawing of the P1000 Unistrut AS alternate attachment, showing front and side views with dimensions and labels.

**FRONT VIEW**

- Overall width: 17"
- Overall height: 16" CLR
- Bottom height: 12" CLR
- Front panel features a grid of slats and the text "ERIDON III".
- A label "SUNSHIELD" points to the front panel.

**SIDE VIEW**

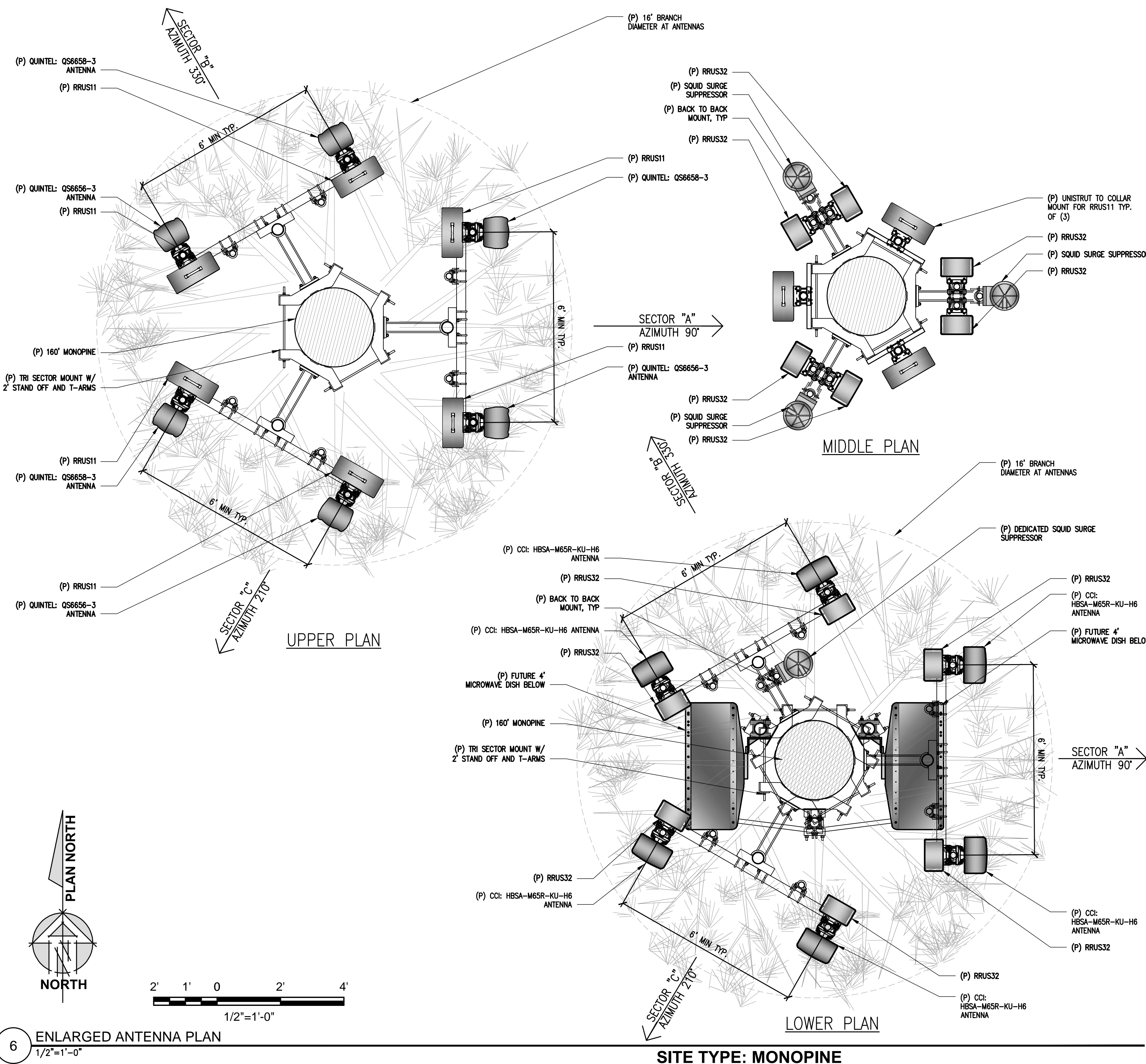
- Overall depth: 7.2"
- Mounting brackets are shown on the right side.
- A label "MFR'S STANDARD MOUNTING BRACKETS" points to the mounting hardware.
- A label "P1000 UNISTRUT AS ALTERNATE ATTACHMENT" points to the main body of the unit.

$$3 \overline{) 1 \frac{1}{2}'' = 1' - 0''}$$
$$\overline{3/4'' = 1' - 0''}$$

$$6) \quad 1/2'' = 1' - 0'$$

RF SCHEDULE									
SECTOR	ANTENNA MODEL NO.	AZIMUTH	RAD CENTER	RRU	TMA	FIBER LENGTH	COAX LENGTH	FIBER NO.	
ALPHA	A1	QS6656-3	90°	± 150'-0"	(1) RRU11 (1) RRU32	N/A	± 180'	± N/A	TRUNK 1
	A2	QS6658-3	90°	± 150'-0"	(2) RRU11 (1) RRU32	N/A	± 180'	± N/A	TRUNK 1
	A3	HBSA-M65R-KU-H6	90°	± 140'-0"	(1) RRU32	N/A	± 170'	± N/A	TRUNK 4
	A4	HBSA-M65R-KU-H6	90°	± 140'-0"	(1) RRU32	N/A	± 170'	± N/A	TRUNK 4
BETA	B1	QS6656-3	330°	± 150'-0"	(1) RRU11 (1) RRU32	N/A	± 180'	± N/A	TRUNK 2
	B2	QS6658-3	330°	± 150'-0"	(2) RRU11 (1) RRU32	N/A	± 180'	± N/A	TRUNK 2
	B3	HBSA-M65R-KU-H6	330°	± 140'-0"	(1) RRU32	N/A	± 170'	± N/A	TRUNK 4
	B4	HBSA-M65R-KU-H6	330°	± 140'-0"	(1) RRU32	N/A	± 170'	± N/A	TRUNK 4
GAMMA	C1	QS6656-3	210°	± 150'-0"	(1) RRU11 (1) RRU32	N/A	± 180'	± N/A	TRUNK 3
	C2	QS6658-3	210°	± 150'-0"	(2) RRU11 (1) RRU32	N/A	± 180'	± N/A	TRUNK 3
	C3	HBSA-M65R-KU-H6	210°	± 140'-0"	(1) RRU32	N/A	± 170'	± N/A	TRUNK 4
	C4	HBSA-M65R-KU-H6	210°	± 140'-0"	(1) RRU32	N/A	± 170'	± N/A	TRUNK 4

5 RF SCHEDULE  
NOT TO SCALE

RF DATA SHEET v1.00.02 DATED 01/04/17



2600 Camino Ramon, 4W850 N  
San Ramon, California 94583



CHECKED BY: CES

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0	02/29/17	ZD 100%
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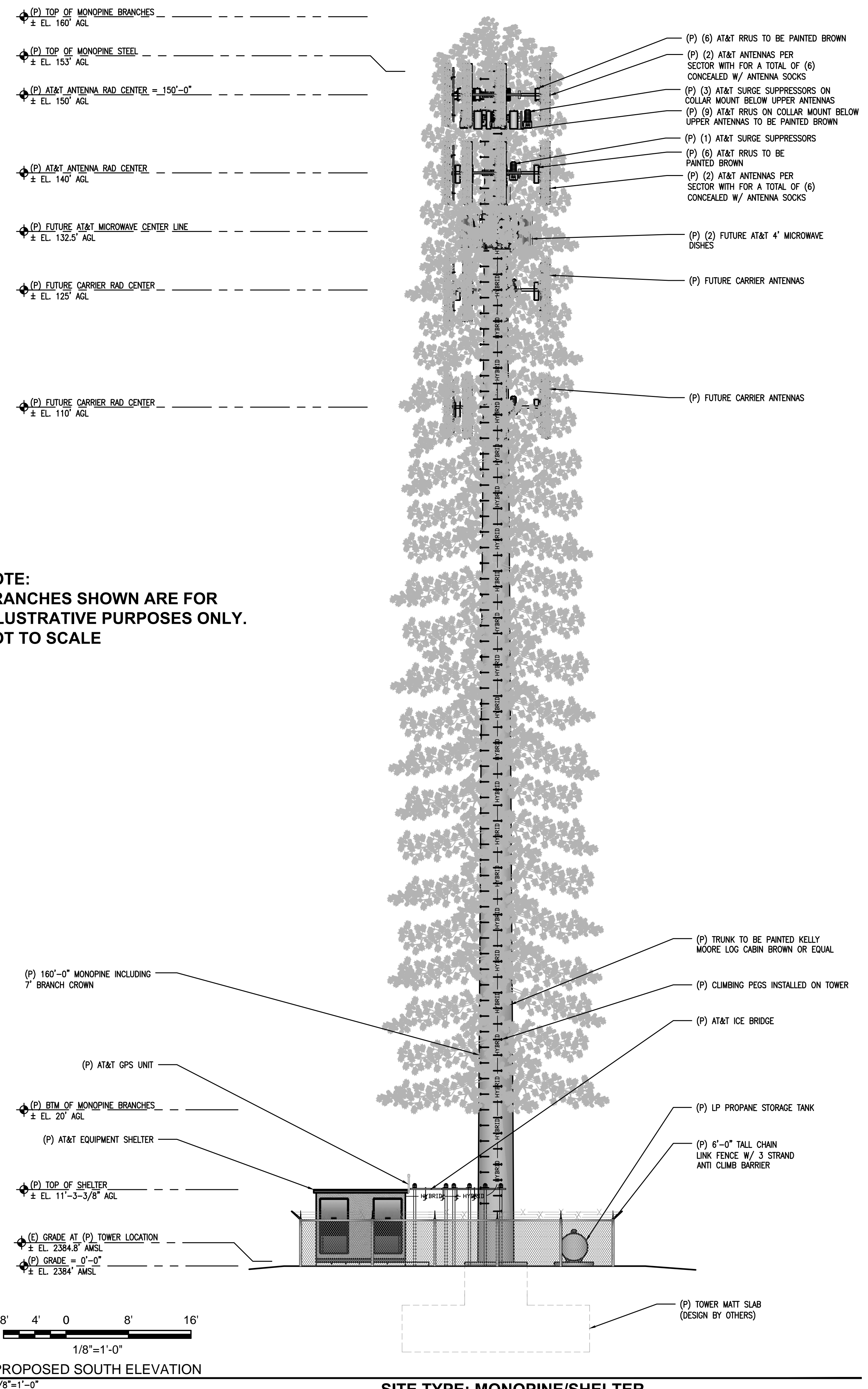
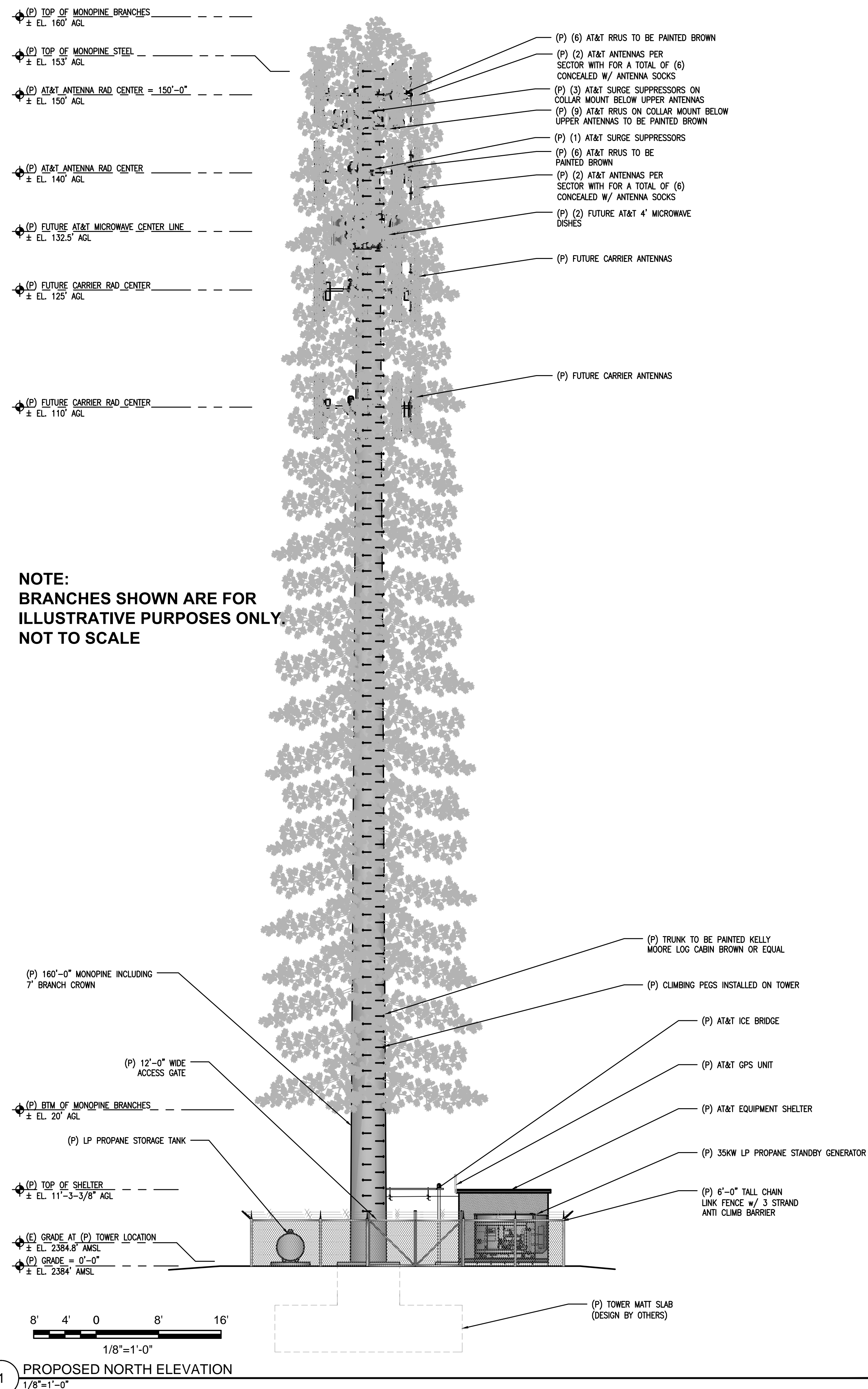
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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SACRAMENTO, CA 95821  
craigmhorner@yahoo.com

SHEET NUMBER:

# A-3




Issued For:


**MEADOW  
BROOK**

020 BLACK OAK COURT  
GARDEN VALLEY, CA  
95633

PREPARED FOR

 **at&t**


2600 Camino Ramon, 4W850 N  
San Ramon, California 94583



AT&T SITE NO:	CVL03148
PROJECT NO:	13787647
DRAWN BY:	CES
CHECKED BY:	CES

0	02/09/17	ZD 90%
0	02/29/17	ZD 100%
1	04/19/17	ZD 100%
EV	DATE	DESCRIPTION

Licenser:



REGISTERED PROFESSIONAL ENGINEER  
CRAIG M. HORNER  
No. 84674  
CIVIL  
STATE OF CALIFORNIA

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

Engineer:

**ADAPTIVE RE-USE  
ENGINEERING**

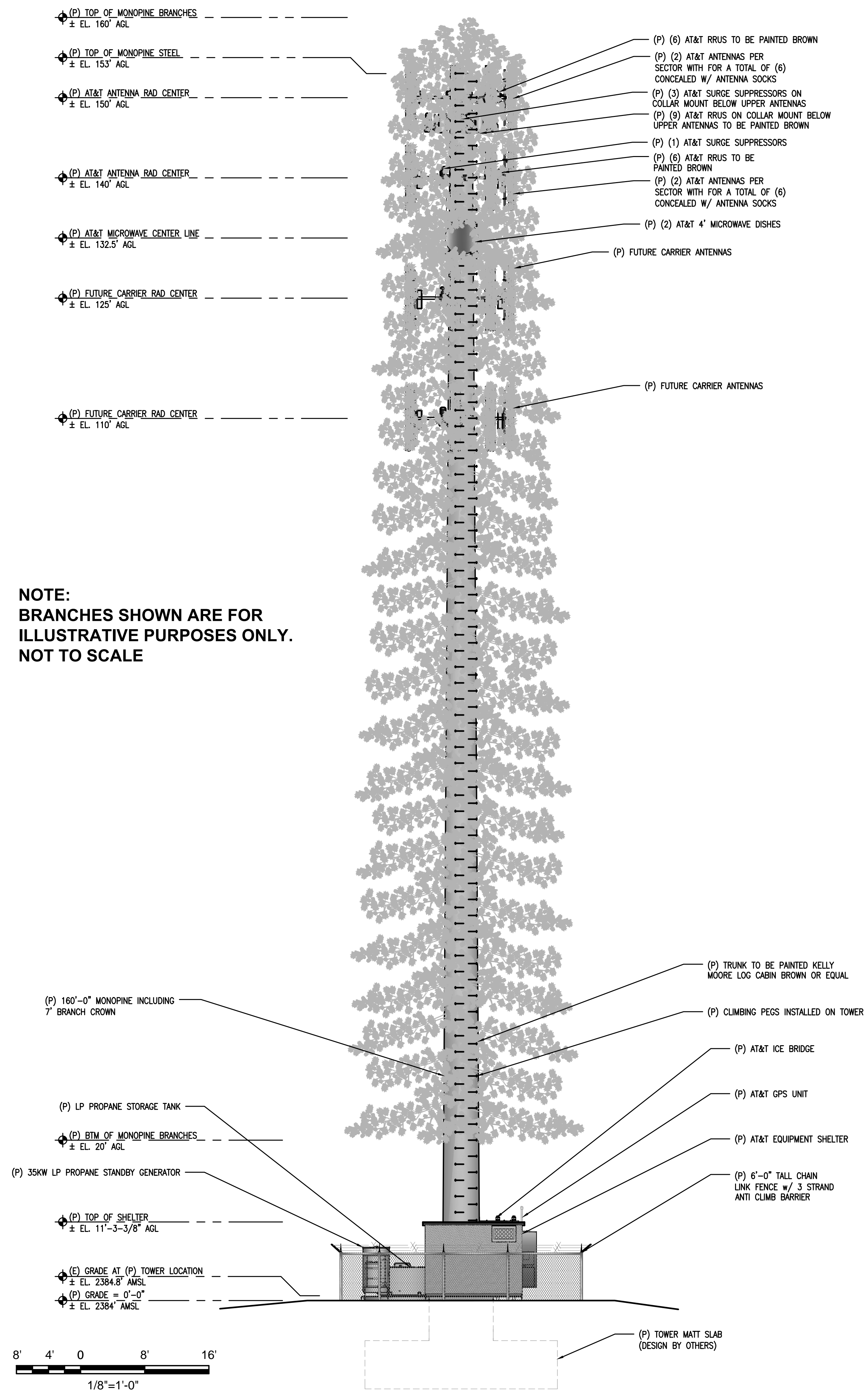
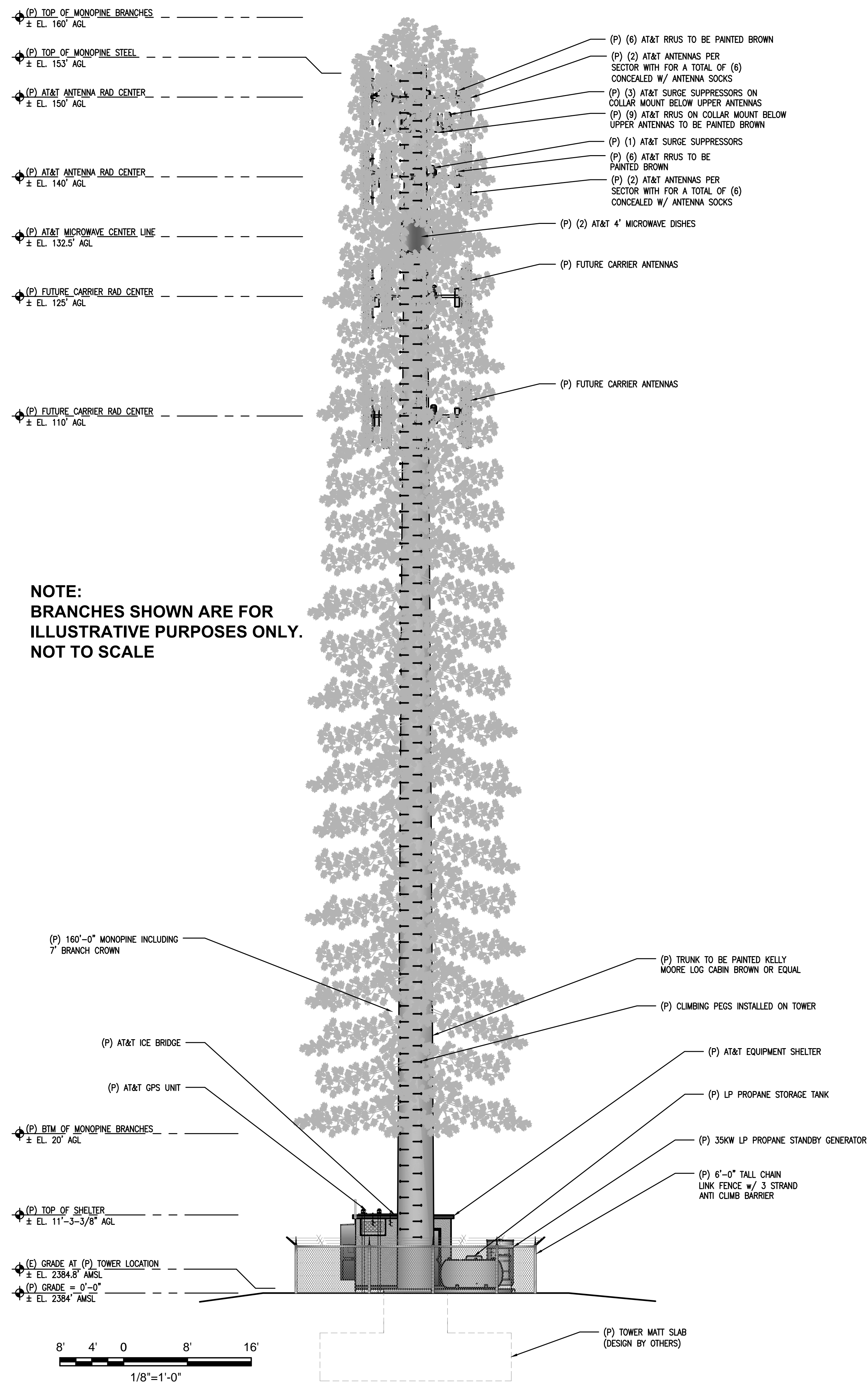
Craig Horner, PE 84674  
214-407-3184  
3112 LEATHA WAY  
SACRAMENTO, CA 95821  
craigmhorner@yahoo.com

SHEET TITLE:

PROPOSED MONOPINE  
NORTH - SOUTH ELEVATION

SHEET NUMBER:

**A-4**



Issued For:

MEADOW  
BROOK

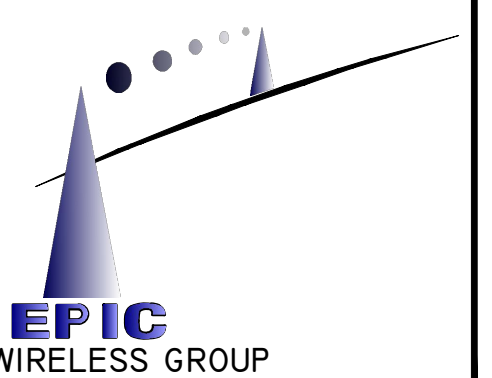
7020 BLACK OAK COURT

GARDEN VALLEY, CA  
95633

PREPARED FOR



2600 Camino Ramon, 4W850 N  
San Ramon, California 94583



AT&amp;T SITE NO: CVL03148

PROJECT NO: 13787647

DRAWN BY: CES

CHECKED BY: CES

[illegible]

Licensors:



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PERSON, UNLESS THEY ARE ACTING  
UNDER THE DIRECTION OF A LICENSED  
PROFESSIONAL ENGINEER, TO ALTER THIS  
DOCUMENT

Engineer:

## ADAPTIVE RE-USE ENGINEERING

Craig Horner, PE 84674

214-407-3184

3112 LEATHA WAY

SACRAMENTO, CA 95821

craigmhorner@yahoo.com

SHEET TITLE:

PROPOSED MONOPINE  
WEST - EAST ELEVATION

SHEET NUMBER:

## A-4.1

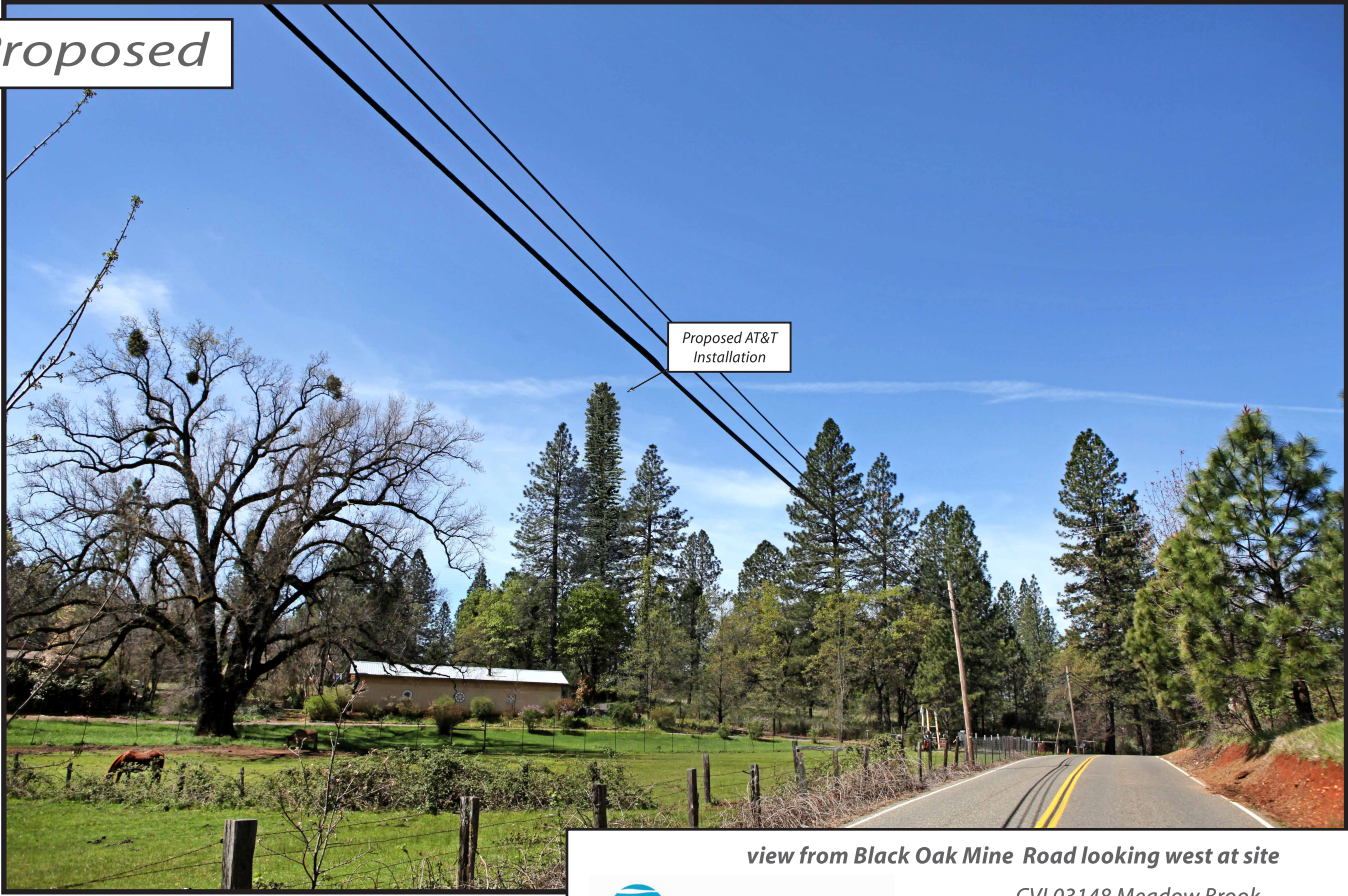
**SITE TYPE: MONOPINE/SHELTER**

Site 2-Exhibit G

Existing



Proposed



view from Black Oak Mine Road looking west at site



AT&T Wireless

CVL03148 Meadow Brook  
7020 Black Oak Court, Garden Valley, CA  
Photosims Produced on 4-14-2017

*Existing*



*Proposed*



view from Georgetown Road looking west at site



CVL03148 Meadow Brook  
7020 Black Oak Court, Garden Valley, CA  
Photosims Produced on 4-14-2017

*Existing*



*Proposed*



*view from Old Sawmill Road looking east at site*

*Existing*



*Proposed*



view from Georgetown Road looking northwest at site



CVL03148 Meadow Brook  
7020 Black Oak Court, Garden Valley, CA  
Photosims Produced on 4-14-2017



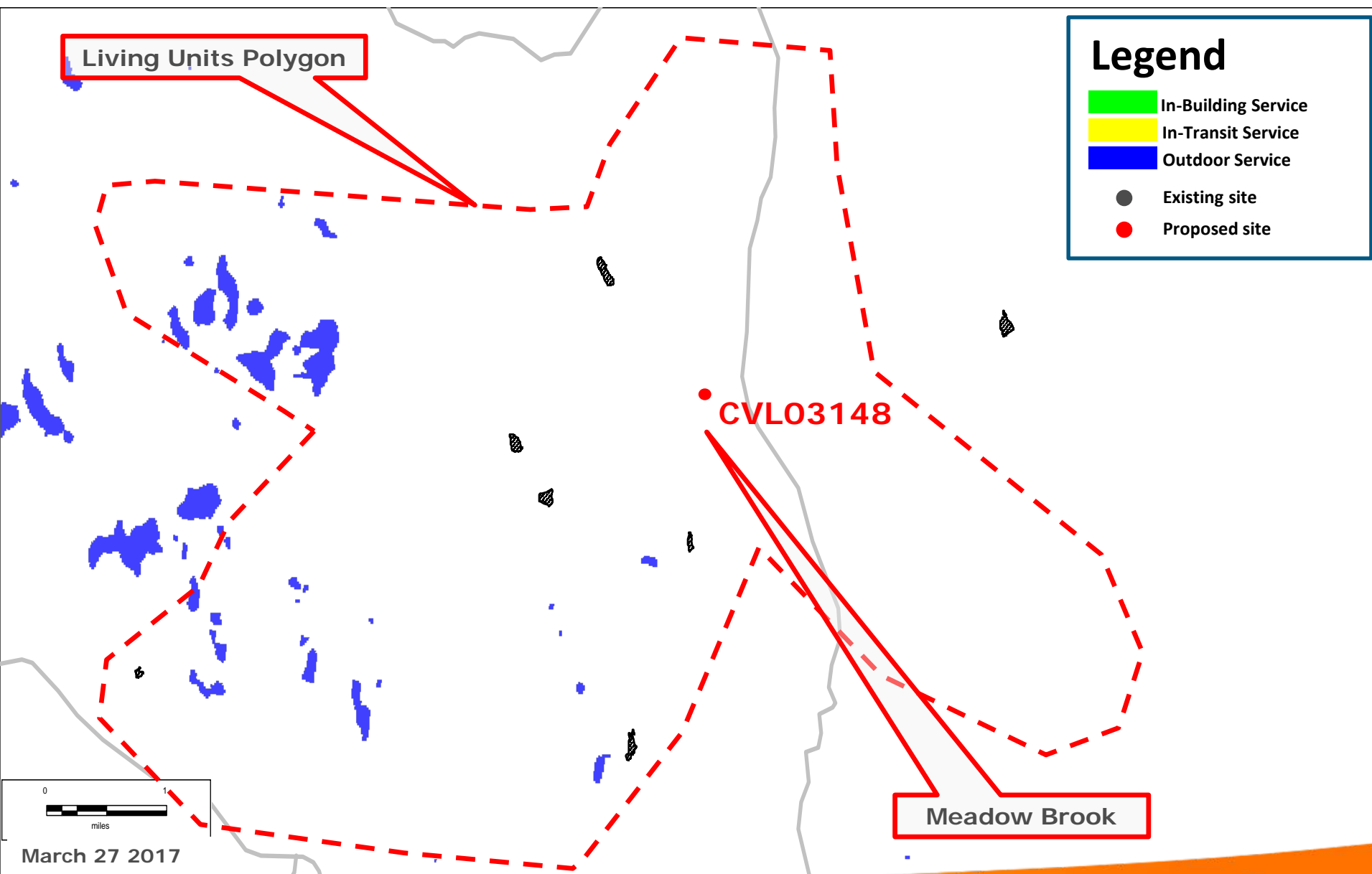
### Shot Point Map

# CVL03148 Zoning Propagation Map

March 27, 2017

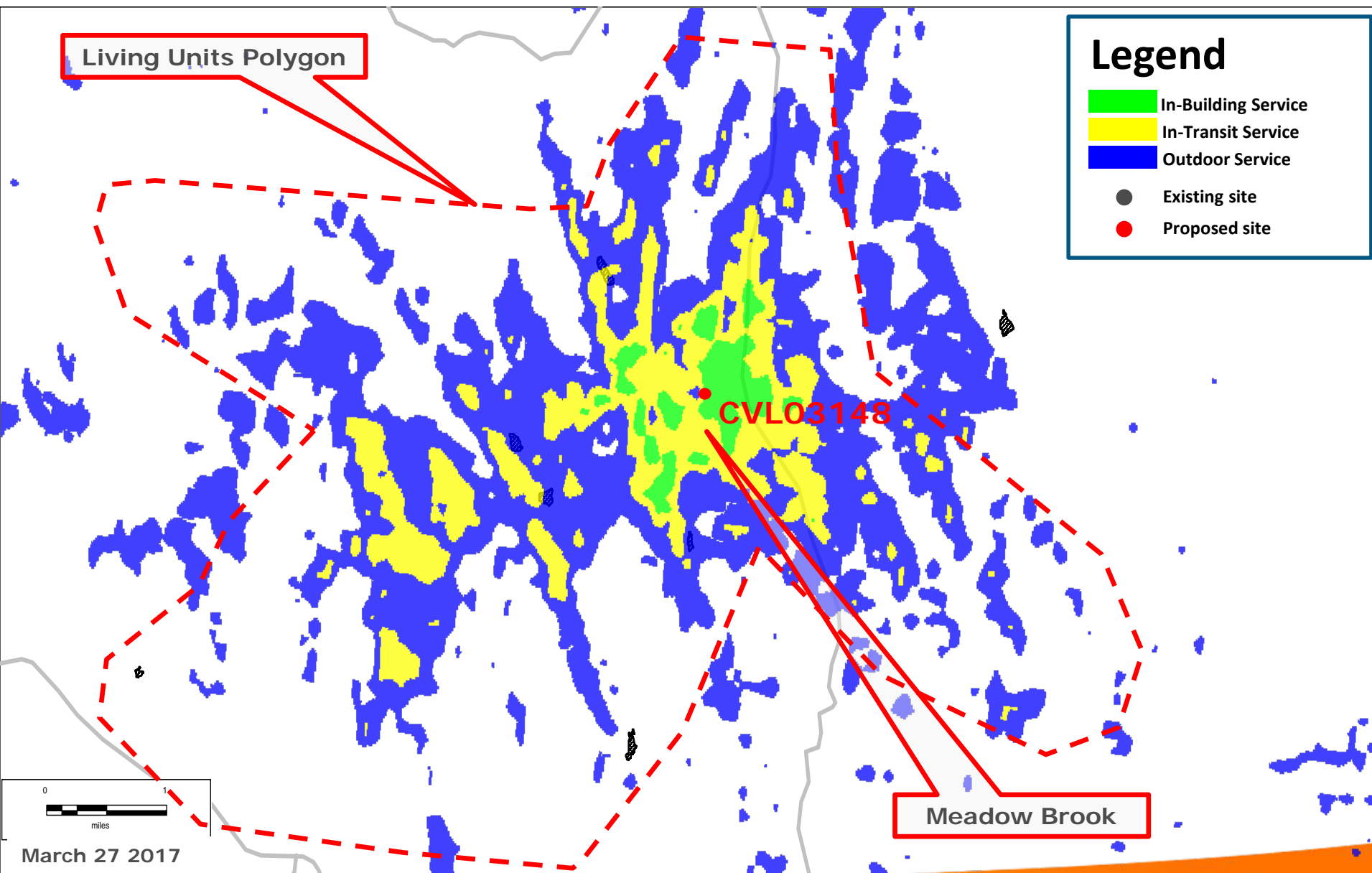


# Existing LTE 700 Coverage





# Proposed LTE 700 Coverage – (RC = 150 feet) Supports 461 Living Units





**WATERFORD**  
COMPLIANCE...FROM START TO SIGNAL

## Radio Frequency Emissions Compliance Report For AT&T Mobility

<b>Site Name:</b>	<b>Meadowbrook</b>	<b>Site Structure Type:</b>	<b>Monopine</b>
<b>Address:</b>	<b>7020 Black Oak Court</b>	<b>Latitude:</b>	<b>38.8579</b>
	<b>Garden Valley, California</b>	<b>Longitude:</b>	<b>-120.83844</b>
<b>Report Date:</b>	<b>April 11, 2017</b>	<b>Project:</b>	<b>New Build</b>

### General Summary

AT&T Mobility has contracted Waterford Consultants, LLC to conduct a Radio Frequency Electromagnetic Compliance assessment of the proposed Meadowbrook site located at 7020 Black Oak Court, Garden Valley, California. This report contains information about the radio telecommunications equipment to be installed at this site and the surrounding environment with regard to RF Hazard compliance. This assessment is based on installation designs and operational parameters provided by AT&T Mobility.

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

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

f=Frequency (MHz)

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

## Site 2-Exhibit I

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

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

## **Analysis**

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

- Install twelve (12) new antennas
- Install twenty-one (21) new RRUS

The antennas will be mounted on a new 160-foot monopole erected for this purpose with centerlines at 140 and 150 feet above ground level. The antennas will be oriented toward 90, 330 and 210 degrees. The Effective Radiated Power (ERP) in any direction from all AT&T Mobility operations will not exceed 24,767 Watts. Other appurtenances such as GPS antennas, RRUs and hybrid cable are not sources of RF emissions. From this site, AT&T Mobility will enhance voice and data services to surrounding areas in licensed 700, 850, 1900, 2100 and 2300 MHz bands. No other antennas are known to be operating in the vicinity of this site.

Power density decreases significantly with distance from any antenna. The panel-type antennas to be employed at this site are highly directional by design and the orientation in azimuth and mounting elevation, as documented, serve to reduce the potential to exceed MPE limits at any location other than directly in front of the antennas. For accessible areas at ground level, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.3965% of the FCC General Population limits (0.0793% of the FCC Occupational limits). Incident at adjacent buildings depicted in Figure 1, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.4275% of the FCC General Population limits (0.0855% of the FCC Occupational limits). The proposed operation will not expose members of the General Public to hazardous levels of RF energy and will not contribute to existing cumulative MPE levels on walkable surfaces at ground or at adjacent buildings by 5% of the General Population limits.

Within the proposed compound surrounding the tower, the maximum predicted power density level resulting from all AT&T Mobility operations is 0.0105% of the FCC General Population limits (0.0021% of the FCC Occupational limits). Waterford Consultants, LLC recommends posting contact information signage at the compound gate. RF alerting signage (Caution) should be posted at the base of the proposed tower to inform authorized climbers of potential conditions near the antennas. These recommendations are depicted in Figure 2.

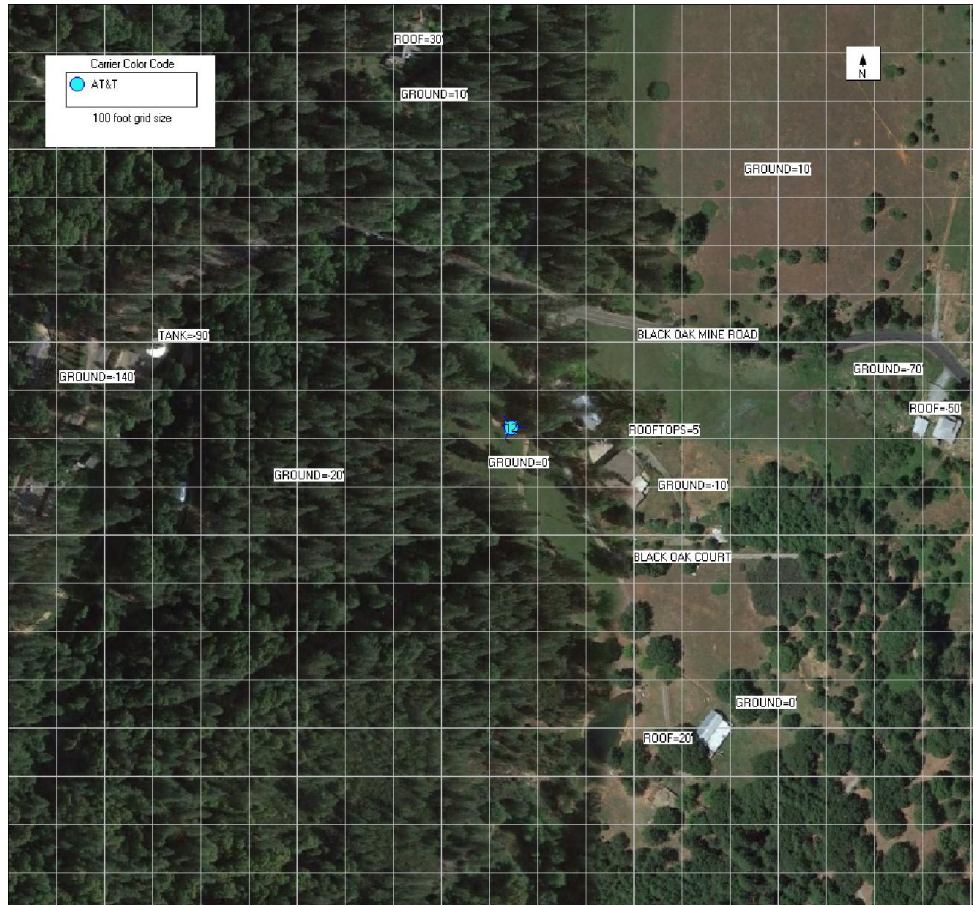


Figure 1: Antenna Locations

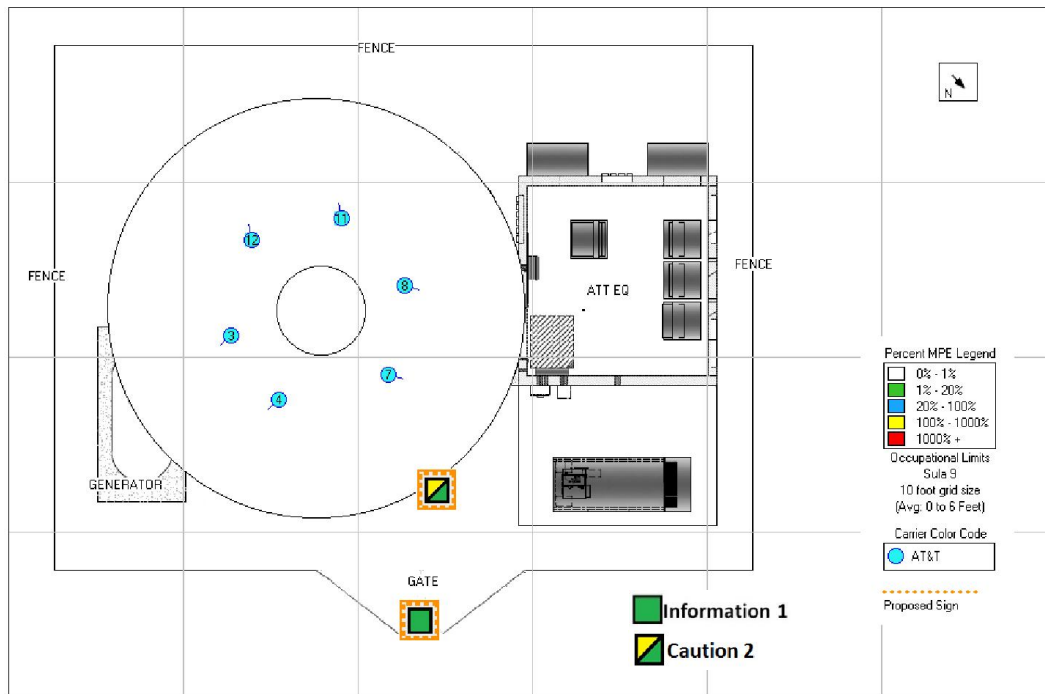


Figure 2: Mitigation Recommendations

### Compliance Statement

Based on information provided by AT&T Mobility and predictive modeling, the installation proposed by AT&T Mobility at 7020 Black Oak Court, Garden Valley, California will be compliant with Radiofrequency Radiation Exposure Limits of 47 C.F.R. § 1.1307(b)(3) and 1.1310. RF alerting signage and restricting access to the monopine to authorized climbers that have completed RF safety training is required for Occupational environment compliance.

### Certification

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

