

REV:	DATE/BY:	REVISION DESCRIPTION:
0	FXC 02/10/2014	ISSUED FOR REVIEW
1	FXC 03/08/2014	ISSUED FOR FINAL



26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX CLIENT:



STAMP:

SITE INFO:

SITE NAME:

MON19m1 VERIZON MONTECITO-MON19m1

SITE ADDRESS: THOMAS BROS PAGE 987 GRID E7 R.O.W. SOUTH SIDE OF ROMERO CANYON RD. (ACROSS FROM 969 ROMERO CANYON RD) SANTA BARBARA, CA 93108 LAT: 34.443777 LONG: -119.592570

SHEET TITLE:

DETAILS

DRAWING INFO:

FC

SHEET NUMBER:

SHROUD DETAIL

- . APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE
- 3, THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL. STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.)
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIES, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED. THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED. IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT. 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO TH
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIMSION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

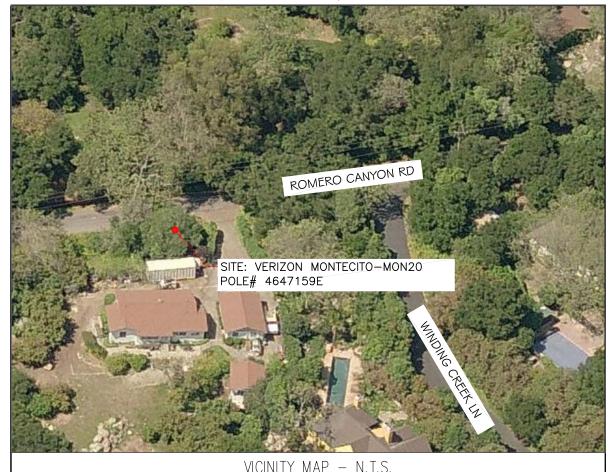
- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER
 SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS. TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- 5. Contractor agrees that he shall assume sole responsibility for job site condition during the course of construction of this project, including safety of all persons and property: that this provision shall apply CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED IN CONNECTION WITH THI PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT

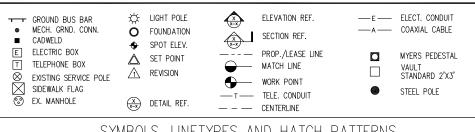


CONSTRUCTION CHANGE TABLE CHANGE DATE EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON20 R.O.W. SOUTH SIDE OF ROMERO CANYON RD. (ADJACENT TO 850 ROMERO CANYON) SANTA BARBARA, CA 93108





SYMBOLS, LINETYPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF:

- 2. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF

SHEET INDEX:

TOPOGRAPHIC SURVE C-1 - SHEET 2 OF 8 SITE PLAN - SHEET 3 OF 8 - SHEET 4 OF 8 PROPOSED ELEVATIONS SHEET 5 OF 8 GRADING PLAN DETAILS. D-1 - SHEET 6 OF 8 DETAILS D-2 - SHEET 7 OF 8

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE FROSION/SEDIMENT CONTROL MEASURES.
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS			
ASPHALT CUT	-		
DIRT TRENCH	-		
PUNCH THRU	-		
BORE	-		
TOTAL	-		
R&R SWF TOTAL	-		

PROJECT DICTIONARY

SITE ADDRESS: R.O.W. SOUTH SIDE OF ROMERO CANYON RD. (ADJACENT TO 850 ROMERO CANYON) SANTA BARBARA, CA 93108

APPLICANT: CROWN CASTLE NG WEST, INC 2125 WRIGHT AVE, SUITE #C9 LA VERNE, CA 91750 CONTACT: HEIDI PAYNE PHONE: (949) 300-9493

CONNELL DESIGN GROUP, LLC CIVIL ENGINEER:

26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

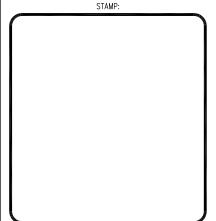
REVISION DESCRIPTION: DATE/BY: ISSUED FOR 03/15/2013 REVIEW FXC ISSUED FOR 03/27/2013 FINAL FXC ISSUED FOR 08/02/2013 FINAL I ISSUED FOR FXC 11/06/2013 FINAL FXC ISSUED FOR 03/08/2014 FINAL

ENGINEER/CONSULTANT:



(949) 753-8807 OFFICE - (949) 753-8833 FAX CLIENT:





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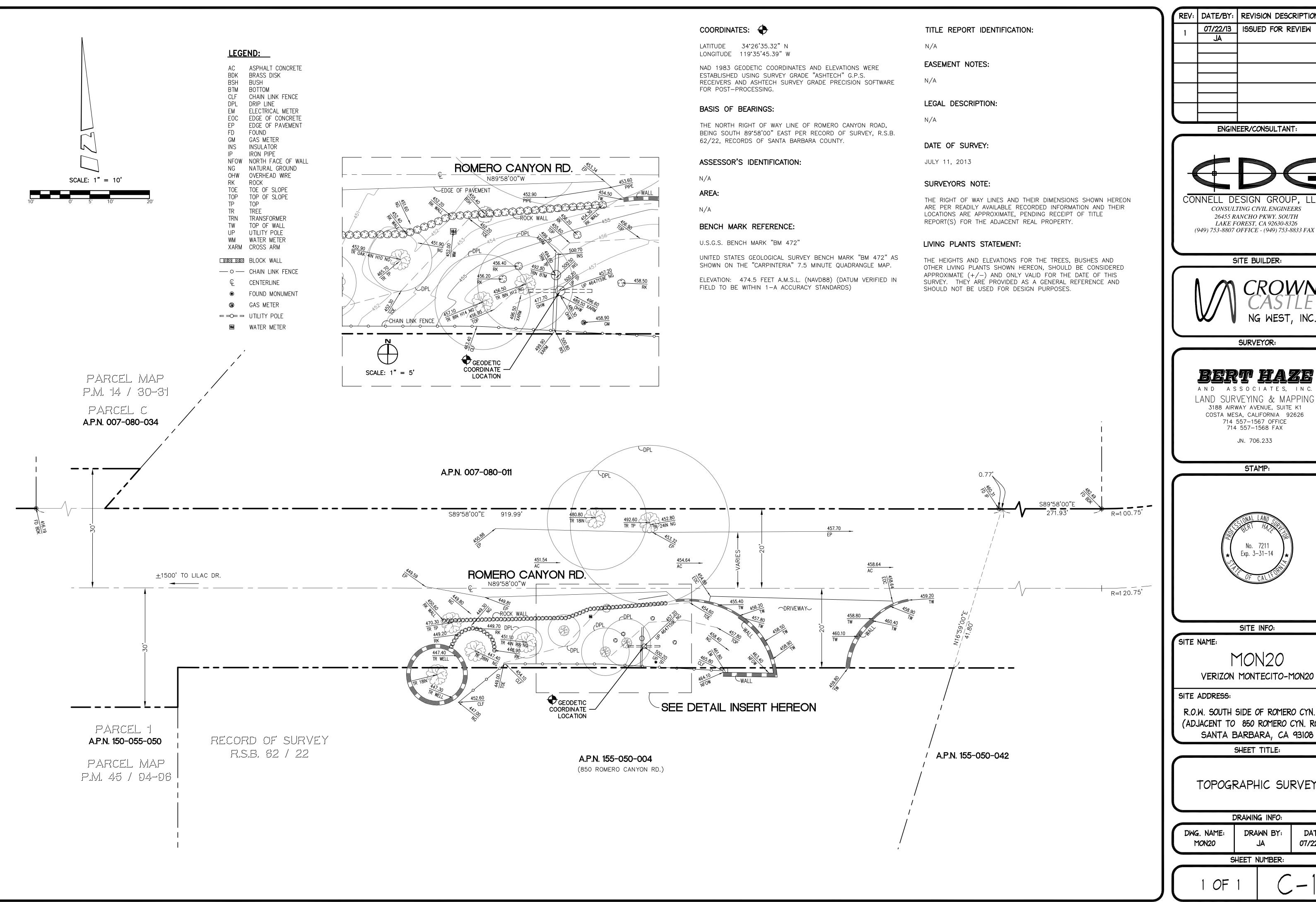
VERIZON MONTECITO-MON20

SITE ADDRESS: THOMAS BROS PAGE 997 GRID D1 R.O.W. SOUTH SIDE OF ROMERO CANYON RD (ADJACENT TO 850 ROMERO CANYON) SANTA BARBARA, CA 93108 LAT: 34.44327 LONG: -119.59602

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CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS 26455 RANCHO PKWY. SOUTH

SITE BUILDER:



SURVEYOR:

AND ASSOCIATES, INC. LAND SURVEYING & MAPPING 3188 AIRWAY AVENUE, SUITE K1 COSTA MESA, CALIFORNIA 92626 714 557-1567 OFFICE 714 557-1568 FAX

JN. 706.233

STAMP:



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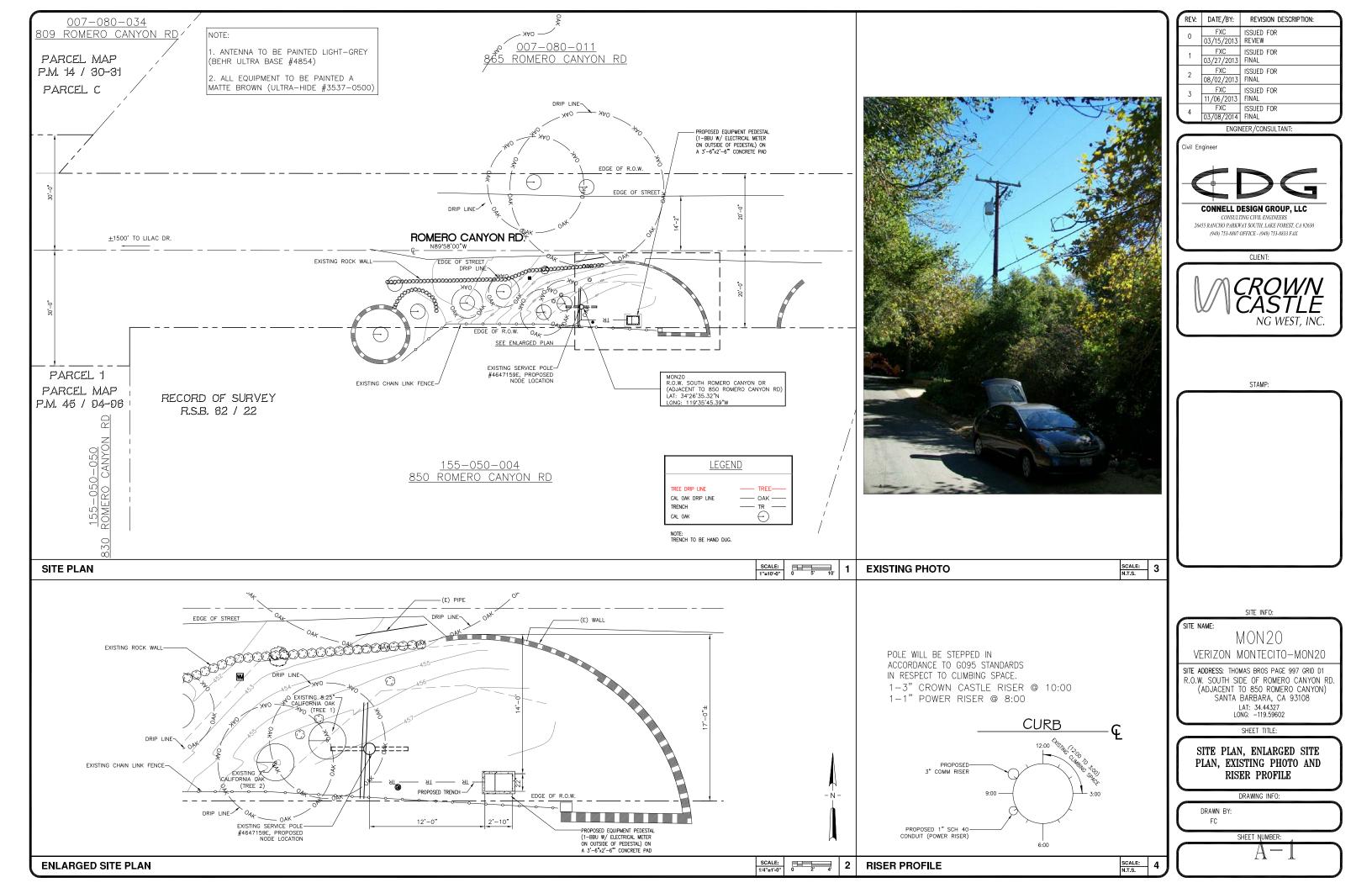
R.O.W. SOUTH SIDE OF ROMERO CYN. RD. (ADJACENT TO 850 ROMERO CYN. ROAD) SANTA BARBARA, CA 93108

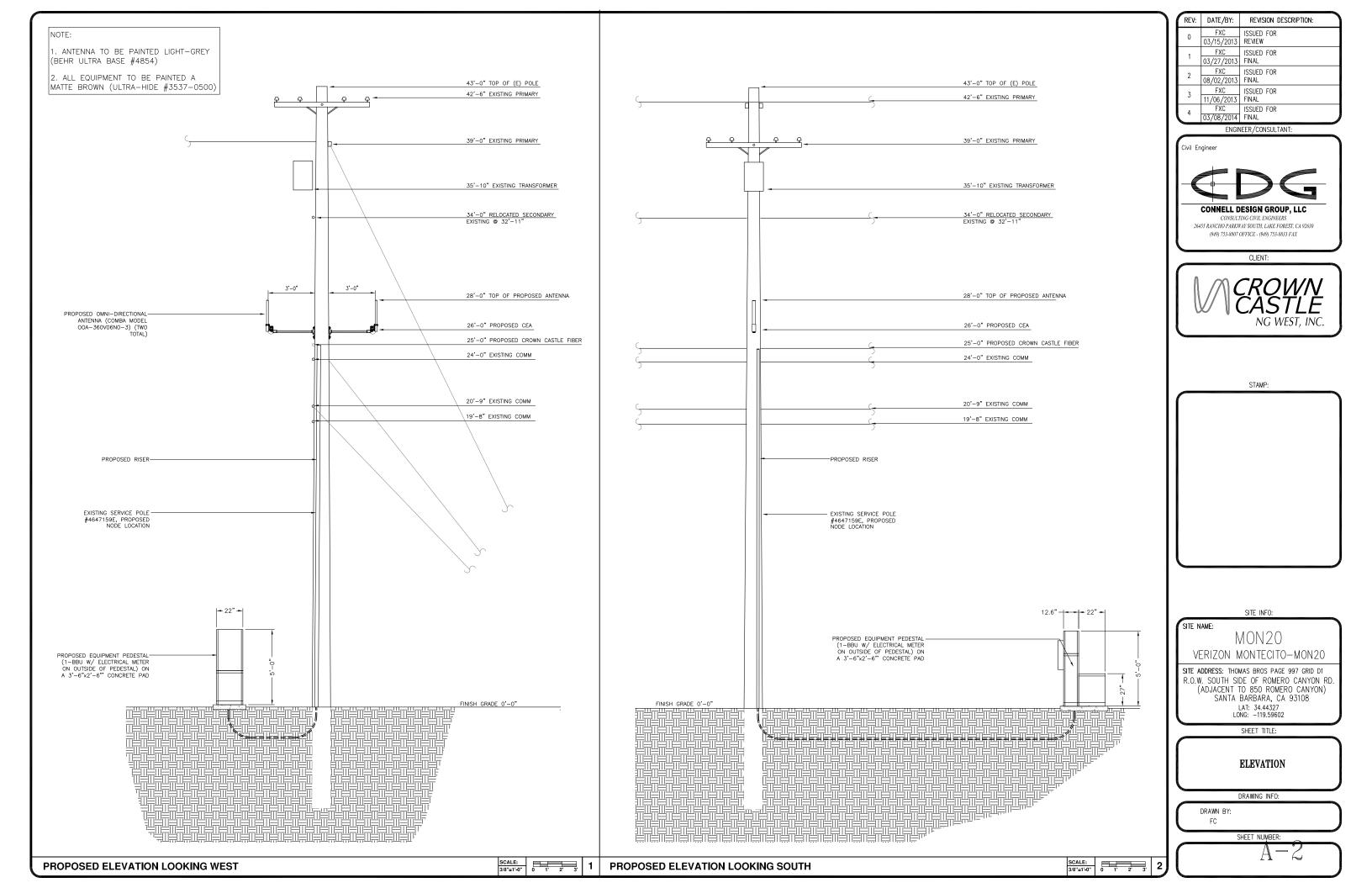
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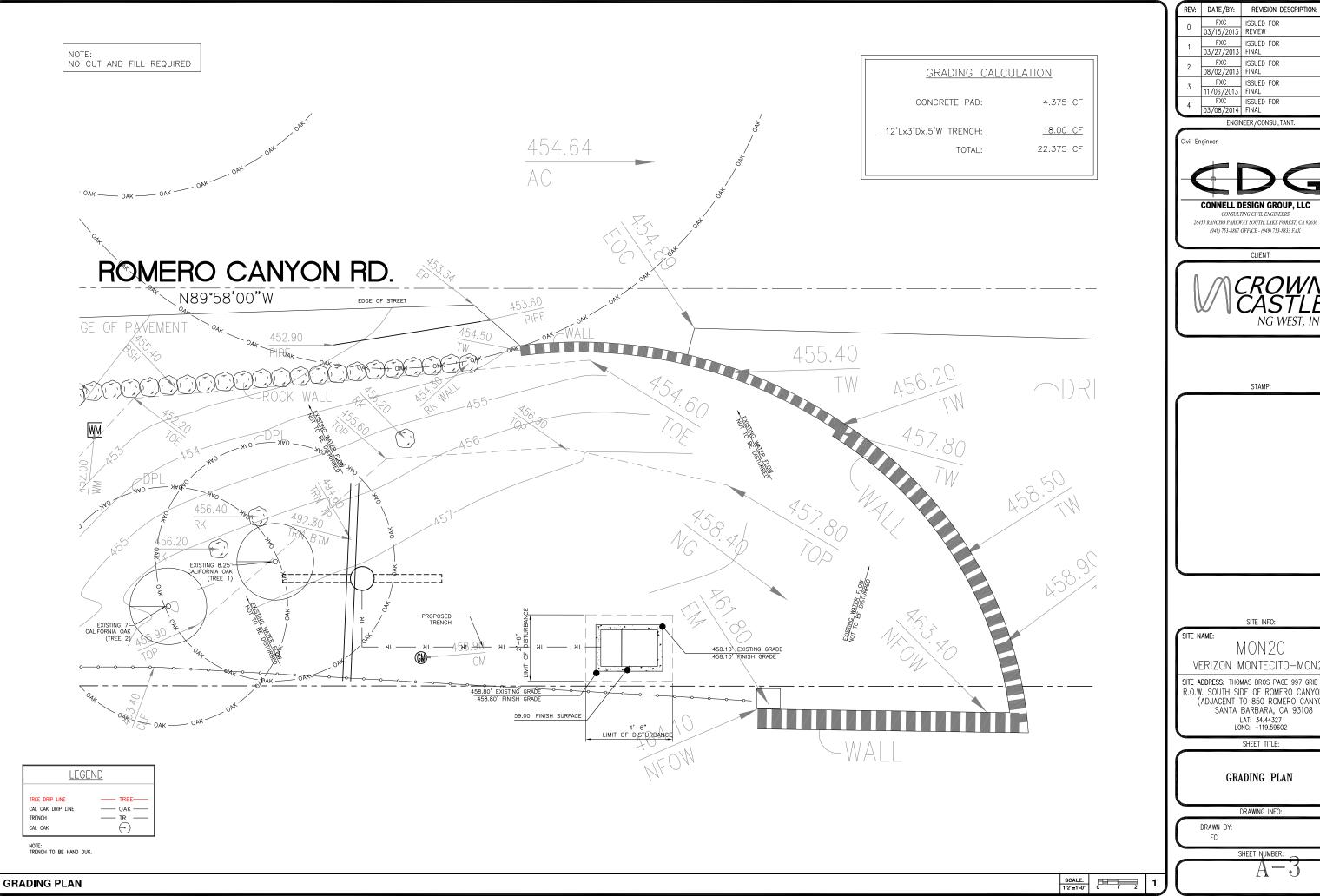
TOPOGRAPHIC SURVEY

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GRADING PLAN

DRAWING INFO:

DRAWN BY:

Outdoor Omni-directional Antenna

COMBA

OOA-360V06N0-3 VPol, 696-960/1710-2170MHz, 360°, 4.0/6.0 dBi

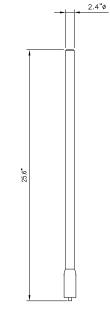
Technical Specifications

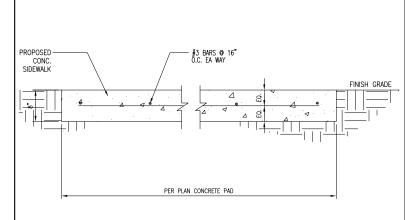
Electrical

requency Range	MHz	696-960	1710–2170
Polarization Gain	dBi	Vertic 4.0±1	al 6.0±1
Jorizontal Beamwidth	deg	360	0.017
Vertical Beamwidth	deg	22-53	20–26
Electrical Downtilt-Fixed VSWR	deg	0 1.8	
Maximum Power	W	200	
mpedance		50	
ightning Protection		Direct 0	Ground

Mechanical

Dimensions, HxDia 650x60 (25.6x2.4) 1 (2.2) Fiberglass, Light Grey Weight, with Mounting kit Radome Material and Color Radiating Element Material Copper Connector Type and Location Operational Temperature N-Female, Bottom -55 to +70 95 Operational Humidity 200 (124) 670x100x100 (26.4x3.9x3.9) 1.2 (2.65) Operational Wind Speed km/h (mph) Shipping Dimensions HxWxD mm (in) Shipping Weight





1 | CONCRETE PAD **ANTENNA SPECIFICATIONS** N.T.S. N.T.S.

Electrical

ĺ.	115 or 230	 Power Supply Mains power, Vac
ornal	1100 max. < 750 @ norm	Power consumption, Watts
	-paraman	700 MHz SISO/MIMO
		700 MHz SISO/MIMO

. 698 to 716/776 to 787 728 to 757

Output power per carrier*, dBm

Number of Carriers 1

850 MHz

Frequency range, MHz	Uplink	 824 to 849
Output power per carrie		 007 10 074

37 37 37 37 CDMA

1900 MHz

Frequency range, MHz 1850 to 1915 1930 to 1995

Output power per carrier*, dBm

4	4	8
40	37	34
40	37	34
40 **	37	34
39	36	33
	40 40 **	40 37 40 37 40 37



ION-M7P/7P/85P/19P

20W for Cell, PCS bands and

700MHz MIMO

Mechanical****

Noise figure, dB

Height, width, depth, mm (in) . 817 x 245 x 218 (32.2 x 9.6 x 8.6) Weight, kg (lb) 40 (88.2)

Page 1, February 27, 2013 Company Confidential

NATIVE DIRT 3" DUCT

* TRENCH TO BE BACK FILL WITH NATIVE MATERIAL & COMPACTED TO 90% OR BETTER & REPLACE LANDSCAPING IN KIND.

MMOE - Telecom Multi Mount Outdoor Enclosure



- > Compact enclosure design provides ideal fit for locations where aesthetics are important
- > Light-weight powder coated aluminum construction offers superior corrosion resistant properties
- > Large sun shield, reduces solar heat loading inside the cabinet
- > 180° stainless steel piano-hinged door (with two locking open positions) make installation and maintenance easy and convenient
- > Thermostat controlled filtered fan cooling and louvered vents ensure reliable operation in high temperature environments
- > Various mounting options (including pole mount) make this highly versatile in space constrained mobile broadband applications

Alpha's Multi Mount Outdoor Enclosure (MMOE) - Telecom, is a cost-effective and versatile enclosure ideal for space constrained locations. The Multi Mount can be pole, host, wall or pedestal mourted and can accommodate Alpha's FDM UPS and up to four Alpha'0el™ 850XL or 195 GWL front terminal batteries. With a small form factor, the Multi Mount is the perfect choice for locations where confined space necessitate oreative installation options.



N.T.S.

Alpha Multi Mount Outdoor Enclosure - Telecom

Dimensions:	
mm	
Inches:	27H x 22W x 18D
Weight:	27.2kg (80lbs)
Construction:	High strength corrosion resistant aluminum
Finish:	Powder coated white color
Equipment space:	EtA standard 19", 5FIU space with one
	battery shelf
Cable entrance:	Bottom of enclosure: 1 x 0" diameter
	knock-out
	(2'H" trade t(2e) 4 x 1.125" glameter knock-out.
	(W trade size)
Hinge type:	Otalniess steel plans hinge
Door prop:	Aluminum rod, 2 looking open positions
Door latch:	Belloore 216 compression look with paglock
	bracket

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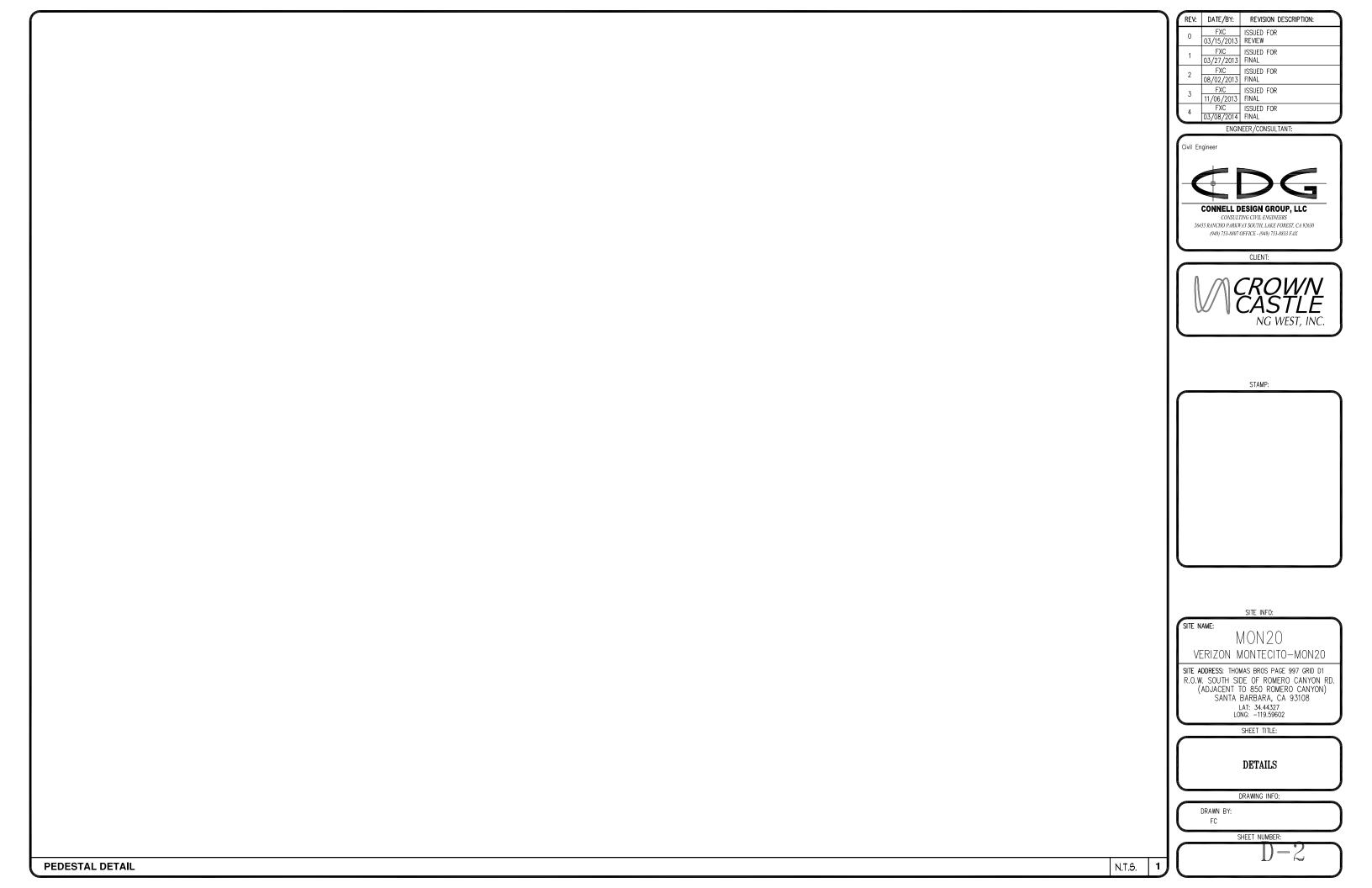
DETAILS

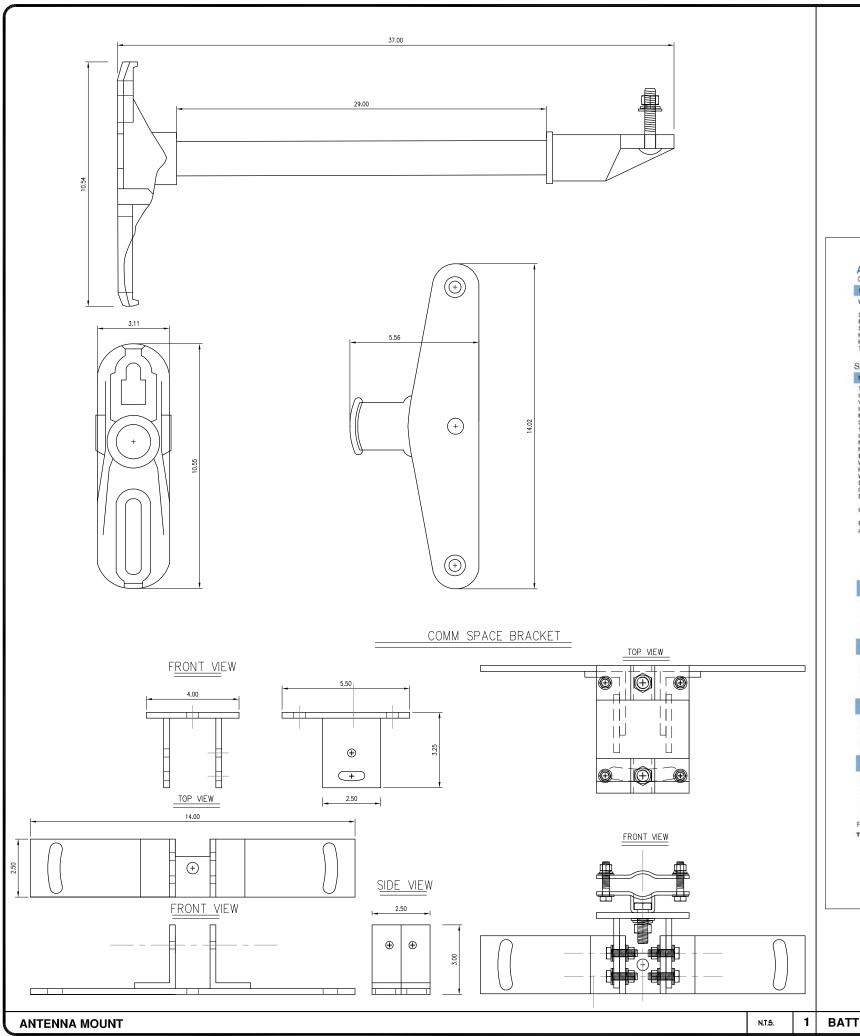
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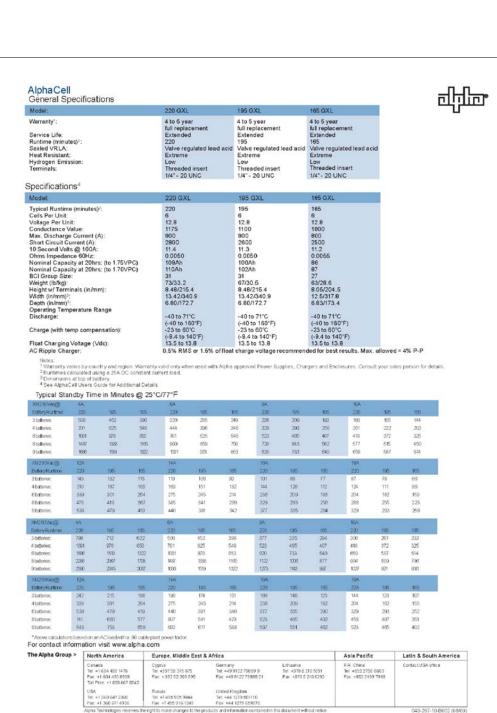
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TRENCH ION-M7P/7P/85P/19P N.T.S. PEDESTAL SPECIFICATIONS







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- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT.
- 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO TH
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIMSION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

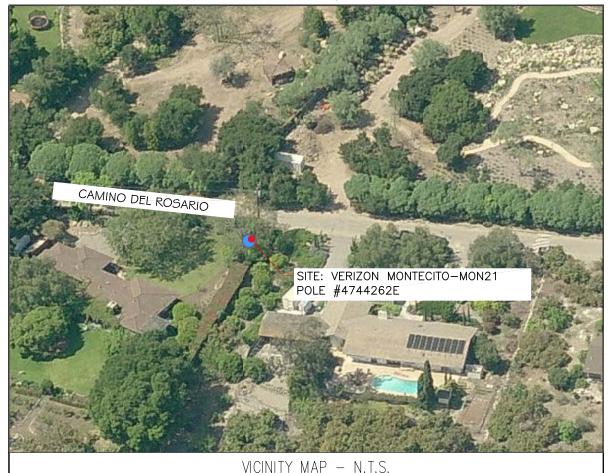
- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER
 SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS. TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- 5. Contractor agrees that he shall assume sole responsibility for job site condition during the course of construction of this project, including safety of all persons and property: that this provision shall apply CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED IN CONNECTION WITH THI PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT

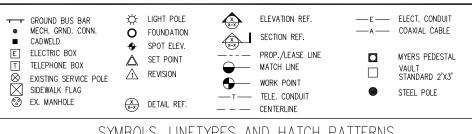


CONSTRUCTION CHANGE TABLE CHANGE DATE EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON21 R.O.W. SOUTH SIDE OF CAMINO DEL ROSARIO (ADJACENT TO 2245 CAMINO DEL ROSARIO) SANTA BARBARA, CA 93108





SYMBOLS, LINETYPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF:

- 1. (2) OMNI DIRECTIONAL ANTENNAS ON EXISTING UTILITY POLE
- 2. EQUIPMENT VAULT AT BASE OF EXISTING POLE
- 3. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF

TITLE SHEET SITE PLAN A-1 - SHEET 2 OF 8 A-2 - SHEET 3 OF 8 PROPOSED ELEVATIONS GRADING PLAN DETAILS D-1 - SHFFT 5 OF 8 D-2 - SHEET 6 OF 8 DETAILS

SHEET INDEX:

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

FROSION/SEDIMENT CONTROL MEASURES.

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS			
ASPHALT CUT	-		
DIRT TRENCH	-		
PUNCH THRU	-		
BORE	-		
TOTAL	-		
R&R SWF TOTAL	-		

PROJECT DICTIONARY

R.O.W. SOUTH SIDE OF CAMINO DEL ROSARIO (ADJACENT TO 2245 CAMINO DEL ROSARIO) SANTA BARBARA, CA 93108

APPLICANT: CROWN CASTLE NG WEST, INC 2125 WRIGHT AVE, SUITE #C9 LA VERNE, CA 91750 CONTACT: HEIDI PAYNE

PHONE: (949) 300-9493

CONNELL DESIGN GROUP, LLC CIVIL ENGINEER: 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

REV:	DATE/BY:	REVISION DESCRIPTION:
0	FXC 03/21/2013	ISSUED FOR REVIEW
1	FXC 03/27/2013	ISSUED FOR FINAL
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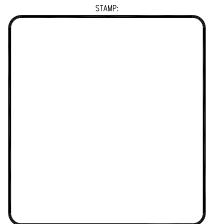
ENGINEER/CONSULTANT:



CLIENT:

(949) 753-8807 OFFICE - (949) 753-8833 FAX





SITE INFO:

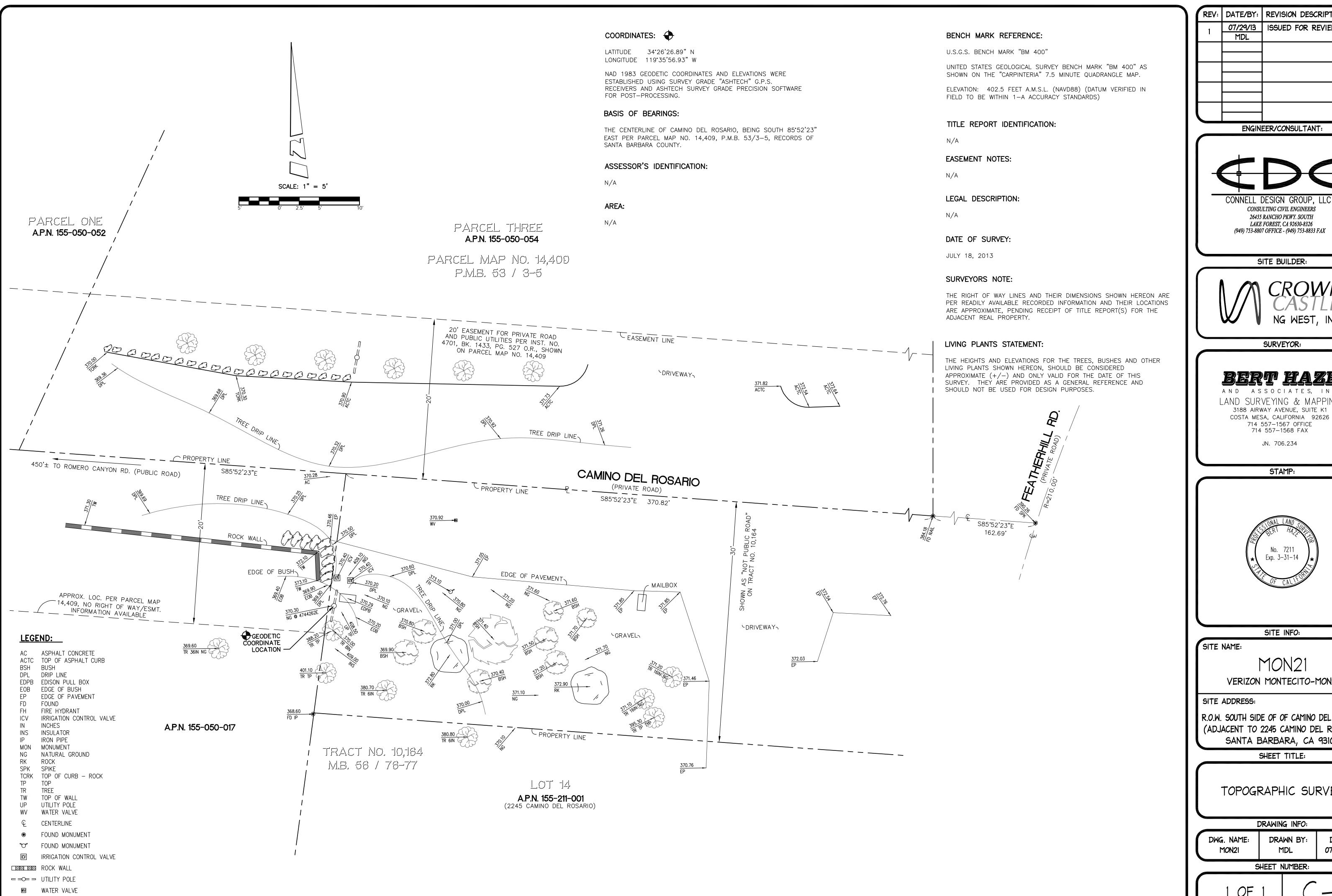
MON21 VERIZON MONTECITO-MON21

SITE ADDRESS: THOMAS BROS PAGE 997 GRID D1 R.O.W. SOUTH SIDE OF CAMINO DEL ROSARIO (ADJACENT TO 2245 CAMINO DEL ROSARIO) SANTA BARBARA, CA 93108 LAT: 34.44083° LONG: -119.59919°

SHEET TITLE:

TITLE SHEET

DRAWING INFO:



	REV:	DATE/BY:	REVISION DESCRIPTION:
	1	07/29/13	ISSUED FOR REVIEW
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SITE BUILDER:

LAKE FOREST, CA 92630-8326

(949) 753-8807 OFFICE - (949) 753-8833 FAX

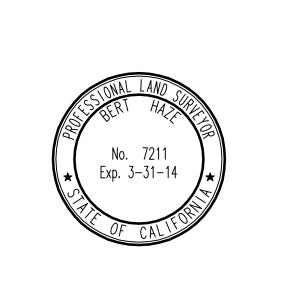


SURVEYOR:

AND ASSOCIATES, INC. LAND SURVEYING & MAPPING 3188 AIRWAY AVENUE, SUITE K1

> 714 557-1567 OFFICE 714 557-1568 FAX JN. 706.234

> > STAMP:



SITE INFO:

MON21 VERIZON MONTECITO-MON21

SITE ADDRESS:

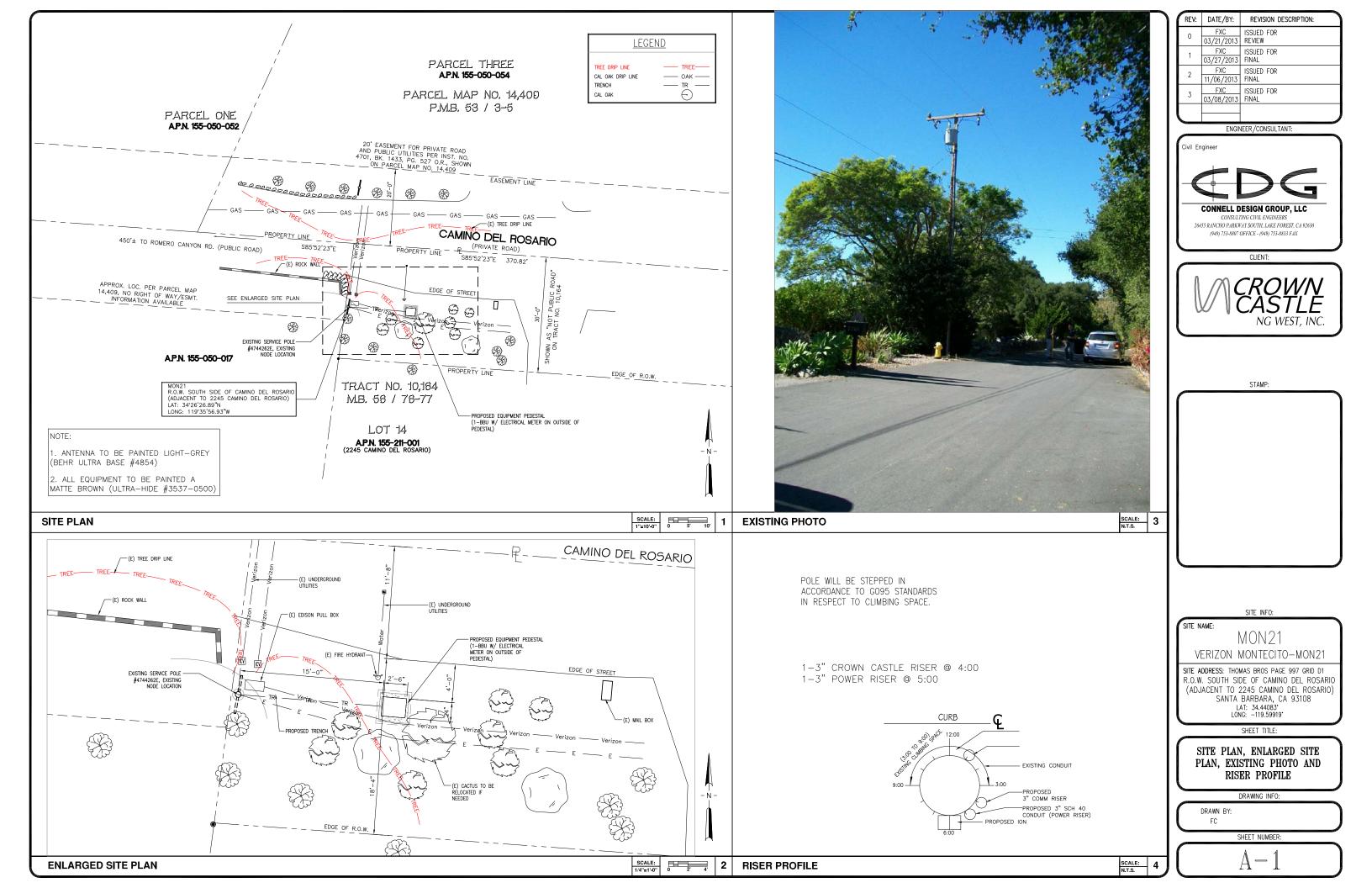
R.O.W. SOUTH SIDE OF OF CAMINO DEL ROSARIO (ADJACENT TO 2245 CAMINO DEL ROSARIO) SANTA BARBARA, CA 93108

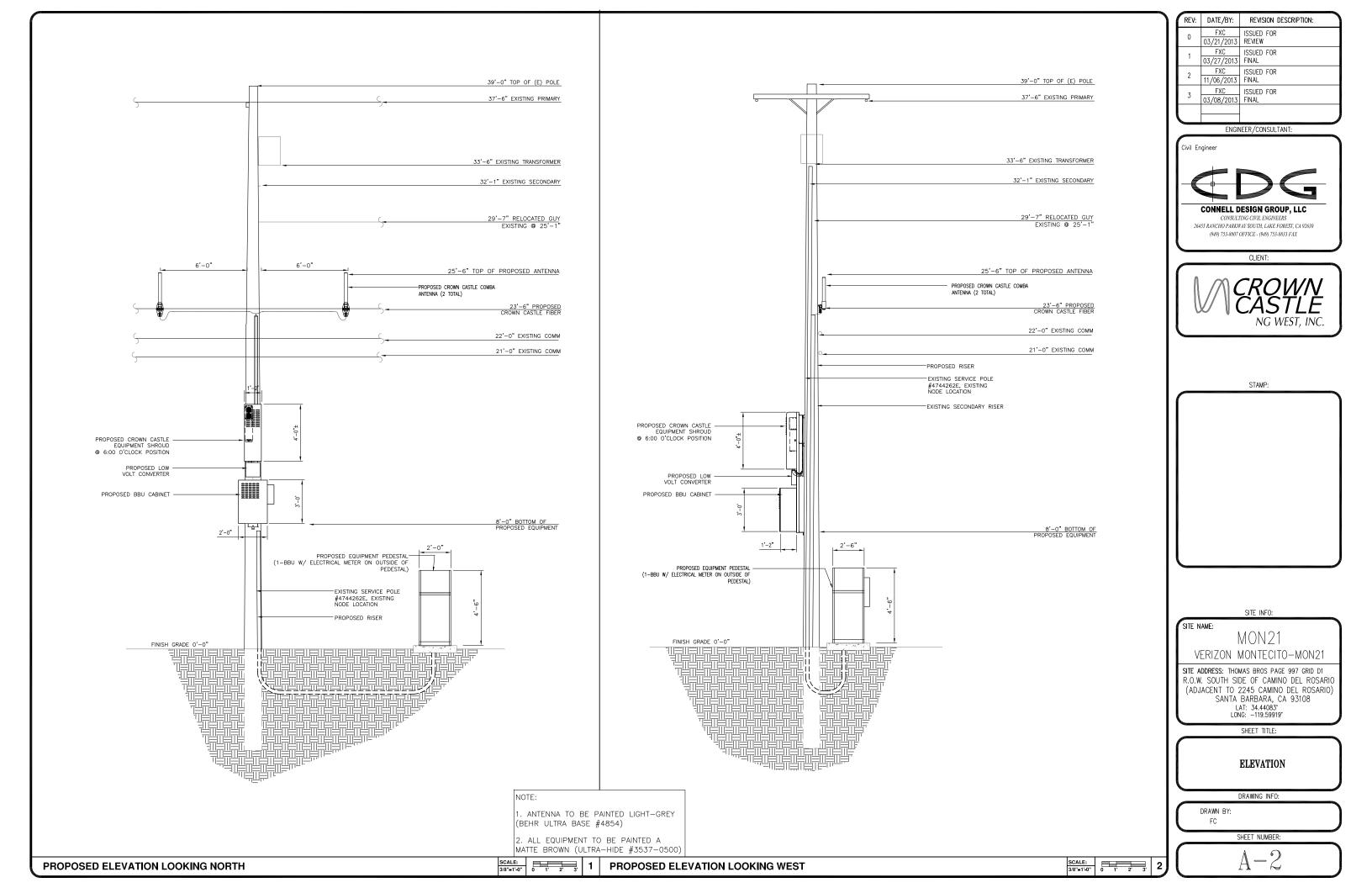
SHEET TITLE:

TOPOGRAPHIC SURVEY

DRAWING INFO:

DWG. NAME: DRAWN BY: DATE: 07/29/13 MON21 MDL





GRADING CALCULATION

CONCRETE PAD: 2.997 CF

15'L×3'Dx.5'W TRENCH: 22.5± CF

TOTAL: 25.497± CF

NOTE: NO CUT AND FILL REQUIRED

REV:	DATE/BY:	REVISION DESCRIPTION:
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	ENGIN	IEER/CONSULTANT:

Civil Engineer



26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX



STAMP:

SITE INFO:

SITE NAME

MON21 VERIZON MONTECITO-MON21

SITE ADDRESS: THOMAS BROS PAGE 997 GRID D1
R.O.W. SOUTH SIDE OF CAMINO DEL ROSARIO
(ADJACENT TO 2245 CAMINO DEL ROSARIO)
SANTA BARBARA, CA 93108
LAT: 34.44083*
LONG: -119.59919*

SHEET TITLE:

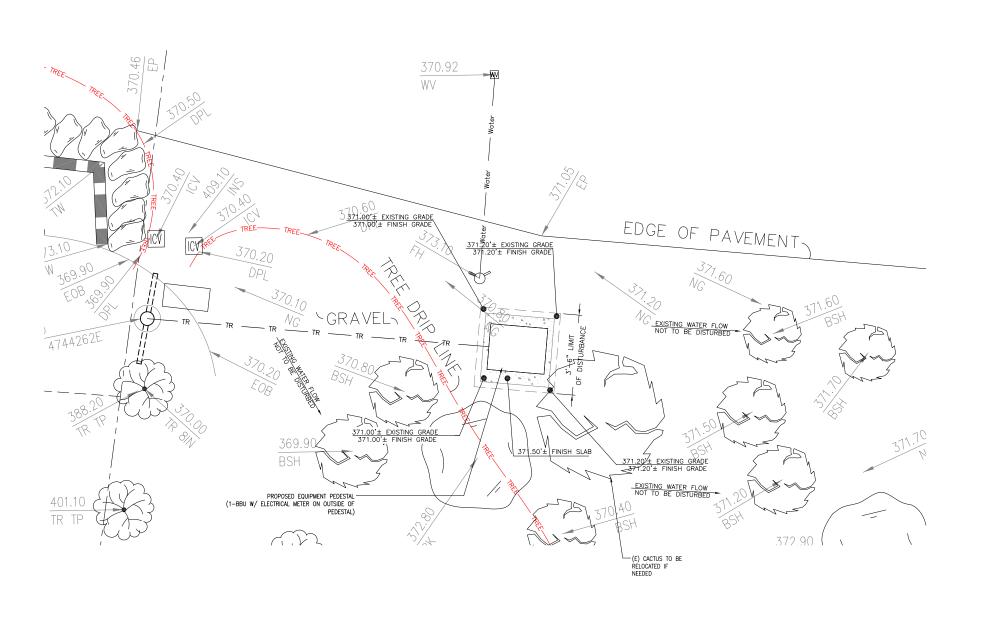
GRADING PLAN

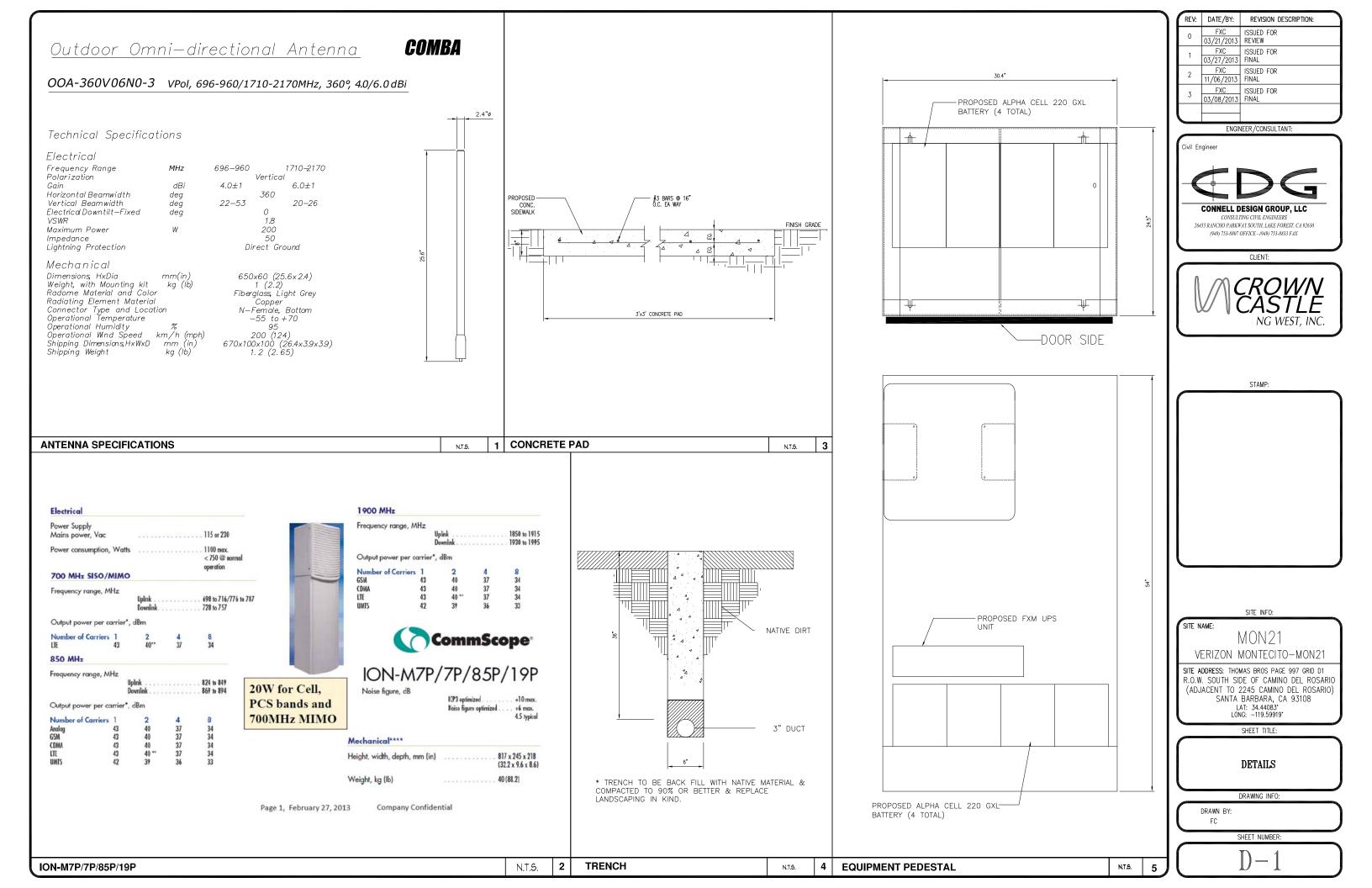
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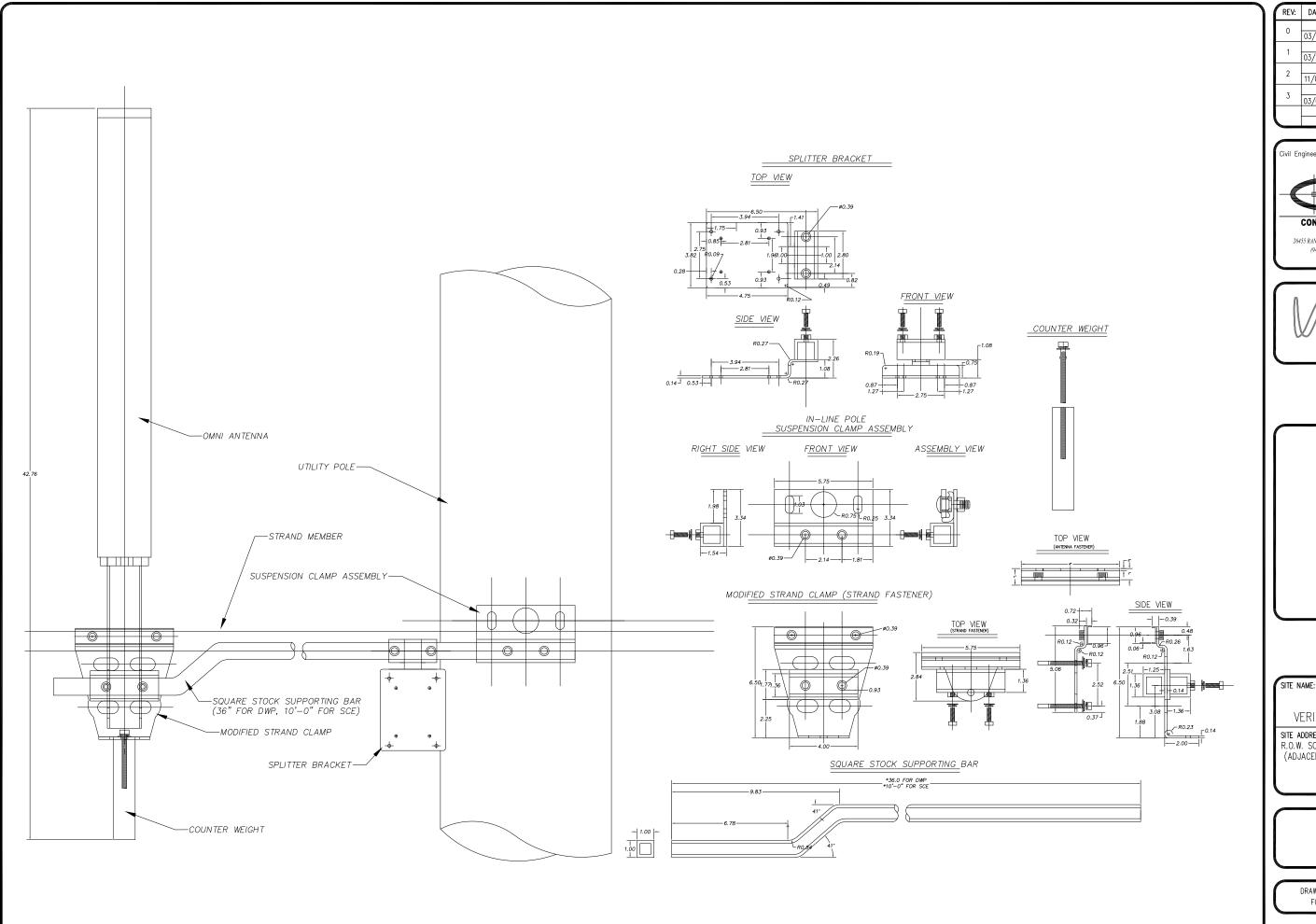
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SHEET NUMBER:

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ANTENNA MOUNT

	REV:	DATE/BY:	REVISION DESCRIPTION:
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	3	FXC 03/08/2013	ISSUED FOR FINAL
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ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:



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VERIZON MONTECITO-MON21

SITE ADDRESS: THOMAS BROS PAGE 997 GRID D1 R.O.W. SOUTH SIDE OF CAMINO DEL ROSARIO (ADJACENT TO 2245 CAMINO DEL ROSARIO) SANTA BARBARA, CA 93108 LAT: 34.44083* LONG: -119.59919*

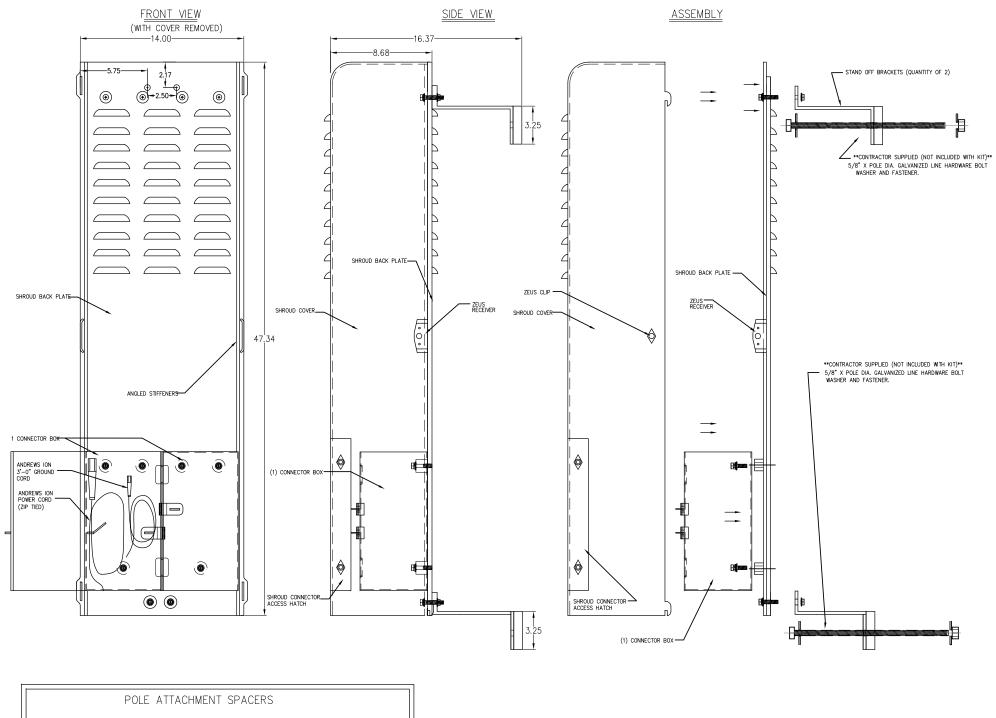
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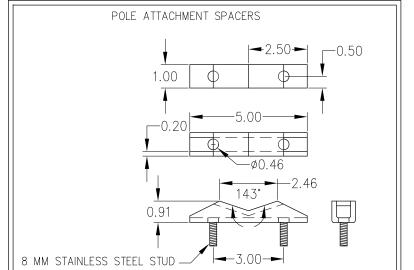
DETAILS

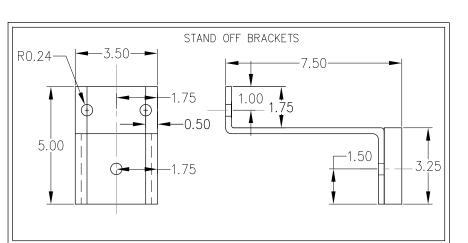
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VERIZON MONTECITO-MON21

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SHEET TITLE:

DETAILS

DRAWING INFO:

FC

SHEET NUMBER:

SHROUD DETAIL

AlphaCell General Specifications



Model:	220 GXL	195 GXL	165 GXL
Warranty ¹ :	4 to 5 year	4 to 5 year	4 to 5 year
	full replacement	full replacement	full replacement
Service Life:	Extended	Extended	Extended
Runtime (minutes)2:	220	195	165
Sealed VRLA:	Valve regulated lead acid	Valve regulated lead acid	Valve regulated lead acid
Heat Resistant:	Extreme	Extreme	Extreme
Hydrogen Emission:	Low	Low	Low
Terminals:	Threaded insert	Threaded insert	Threaded insert
	1/4" - 20 UNC	1/4" - 20 UNC	1/4" - 20 UNC

Specifications4

Model:	220 GXL	195 GXL	165 GXL
Typical Runtime (minutes)2:	220	195	165
Cells Per Unit:	6	6	6
Voltage Per Unit:	12.8	12.8	12.8
Conductance Value:	1175	1100	1000
Max. Discharge Current (A):	900	900	800
Short Circuit Current (A):	2800	2600	2500
10 Second Volts @ 100A:	11.4	11.3	11.2
Ohms Impedance 60Hz:	0.0050	0.0050	0.0055
Nominal Capacity at 20hrs: (to 1.75VPC)	109Ah	100Ah	86
Nominal Capacity at 20hrs: (to 1.70VPC)	110Ah	102Ah	87
BCI Group Size:	31	31	27
Weight (lb/kg):	73/33.2	67/30.5	63/28.6
Height w/ Terminals (in/mm):	8.48/215.4	8.48/215.4	8.05/204.5
Width (in/mm) ³ :	13.42/340.9	13.42/340.9	12.5/317.8
Depth (in/mm) ³ :	6.80/172.7	6.80/172.7	6.83/173.4
Operating Temperature Range			
Discharge:	-40 to 71°C	-40 to 71°C	-40 to 71°C
	(-40 to 160°F)	(-40 to 160°F)	(-40 to 160°F)
Charge (with temp compensation):	-23 to 60°C	-23 to 60°C	-23 to 60°C
50	(-9.4 to 140°F)	(-9.4 to 140°F)	(-9.4 to 140°F)
Float Charging Voltage (Vdc):	13.5 to 13.8	13.5 to 13.8	13.5 to 13.8
AC Ripple Charger:	0.5% RMS or 1.5% o	ffloat charge voltage recon	nmended for best results. Max. a

Typical Standby Time in Minutes @ 25°C/77°F

Typical Stal	nuby I II I	ie ili iviiliut	.es @ 25 C	1111								
XM290Vao@	4A.			6A			8A			10A.		
BatteryRuntime:	220	195	165	220	195	165	220	195	165	220	195	165
3 batteries:	508	453	396	320	285	249	236	209	193	186	165	144
4 batteries:	701	625	546	444	396	346	329	293	256	261	232	203
6 batteries:	1091	978	853	701	625	546	523	465	407	418	372	325
8 batteries:	1487	1338	1165	960	859	750	720	643	562	577	515	450
9 batteries:	1686	1519	1322	1091	978	853	820	733	640	659	587	514
KM290Vac@	12A			14A			16A			18A		
Battery Runtime:	220	195	165	220	195	165	220	195	165	220	195	165
3 batteries:	149	132	115	119	106	92	101	89	77	87	78	66
1 batteries:	210	187	163	169	151	132	144	128	112	124	111	96
Sbatteries:	339	301	264	275	245	214	236	209	183	204	182	159
3 batteries:	478	419	367	385	341	299	329	293	256	288	255	223
9 batteries:	538	479	419	440	391	342	377	335	294	329	293	256
4M260Vac@	4A			6A			8A			10A		
BatteryRuntime:	220	195	165	220	195	165	220	195	165	220	195	165
batteries:	798	712	622	508	453	396	377	335	294	300	267	233
batteries:	1091	978	853	701	625	548	523	465	407	418	372	325
batteries:	1696	1519	1322	1091	978	853	820	733	640	659	587	514
batteries:	2288	2067	1798	1487	1338	1165	1122	1006	877	904	809	706
batteries:	2590	2345	2037	1686	1519	1322	1273	1143	997	1027	921	803
KM260Vao@	12A			14A			16A			18A		
Battery Runtime:	220	195	165	220	195	165	220	195	165	220	195	165
3 batteries:	242	215	188	196	174	151	166	148	125	144	128	107
batteries:	339	301	264	275	245	214	236	209	182	204	182	155
6batteries:	538	479	419	440	391	340	377	335	290	329	293	252
Sbatteries:	741	660	577	607	541	470	523	465	402	458	407	351
9 batteries:	843	753	658	692	617	538	597	531	462	523	465	402

*Above calculations based on an AC loadwith a .90 cable plant power factor. For contact information visit www.alpha.com

The Alpha Group >

>	North America	Europe, Middle East 8	& Africa	Asia Pacific	Latin & South America	
	Canada Tel: +1 604 430 1476 Fax: +1 604 430 8908 Toll Free: +1 800 667 8743	Cyprus Tel: +357 25 375 675 Fax: +357 52 359 595	Germany Tel: +49 9122 79889 0 Fax: +49 9122 79889 21	Lithuania Tel: +370 5 210 5291 Fax: +370 5 210 5292	P.R. China Tel: +852 2736 8663 Fax: +852 2199 7988	Contact USA office
	USA Tel: +1 360 647 2360 Fax: +1 360 671 4936	Russia Tel: +7 49 5 92 5 9844 Fax: +7 49 5 916 1349	United Kingdom Tel: +44 1279 501110 Fax: +44 1279 659870			
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I			18

ENGINEER/CONSULTANT:

Civil Engineer



26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX



STAMP:

SITE INFO:

SITE NAME:

MON21 VERIZON MONTECITO-MON21

SITE ADDRESS: THOMAS BROS PAGE 997 GRID D1 R.O.W. SOUTH SIDE OF CAMINO DEL ROSARIO (ADJACENT TO 2245 CAMINO DEL ROSARIO) SANTA BARBARA, CA 93108 LAT: 34.44083* LONG: -119.59919*

SHEET TITLE:

DETAILS

DRAWING INFO:

FC

SHEET NUMBER:

BATTERY SPECIFICATIONS

Notes:

1 Warranty varies by country and region. Warranty valid only when used with Alpha approved Power Supplies, Chargers and Enclosures. Consult your sales person for details.

2 Runtimes calculated using a 25A DC constant current load.

3 Dimensions at top of battery.

4 See AlphaCell Users Guide for Additional Details.

- . APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE
- 3. THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.).
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED. THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED. IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT. 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO TH
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIVISION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16 CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER
 SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT
- 5. Contractor agrees that he shall assume sole responsibility for job site condition during the course of construction of this project, including safety of all persons and property: that this provision shall apply CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT



CONSTRUCTION CHANGE TABLE CHANGE DATE EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON22 R.O.W. SOUTH SIDE OF VELOZ DR (ADJACENT TO 2135 VELOZ DR) SANTA BARBARA, CA 93108



GROUND BUS BAR MECH. GRND. CONN. CADWELD		ELEVATION REF. SECTION REF.	—— ELECT. CONDUIT —— A —— COAXIAL CABLE
E ELECTRIC BOX ☐ TELEPHONE BOX ⊗ EXISTING SERVICE POLE SIDEWALK FLAG ⊗ EX. MANHOLE	SET POINT REVISION DETAIL REF.	PROP./LEASE LINE MATCH LINE WORK POINT T TELE. CONDUIT CENTERLINE	MYERS PEDESTAL VAULT STANDARD 2'X3' STEEL POLE
CVI	MROIS LINET	ADEC VND HVICH D	N TTEDNIC

SYMBOLS, LINETYPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF:

- . (2) OMNI DIRECTIONAL ANTENNA ON EXISTING UTILITY POLE
- 2. EQUIPMENT SHROUD & BBU ON EXISTING POLE

SHEET INDEX:

TOPOGRAPHIC SURVEY C-1 - SHEET 2 OF 8 SITE PLAN - SHEET 3 OF 8 - SHEET 4 OF 8 PROPOSED ELEVATIONS SHEET 5 OF 8 GRADING PLAN DETAILS. D-1 - SHEET 6 OF 8 DETAILS D-2 - SHEET 7 OF 8

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- 7. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

FROSION/SEDIMENT CONTROL MEASURES.

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS			
ASPHALT CUT _			
DIRT TRENCH	-		
PUNCH THRU	-		
BORE	-		
TOTAL	=		
R&R SWF TOTAL	_		

PROJECT DICTIONARY

R.O.W. SOUTH SIDE OF VELOZ DR SITE ADDRESS: (ADJACENT TO 2125 VELOZ DR) SANTA BARBARA, CA 93108

APPLICANT: CROWN CASTLE NG WEST, INC 2125 WRIGHT AVE, SUITE #C9 LA VERNE, CA 91750 CONTACT: HEIDI PAYNE

PHONE: (949) 300-9493 CIVIL ENGINEER:

CONNELL DESIGN GROUP, LLC 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

REVISION DESCRIPTION: DATE/BY: ISSUED FOR 03/15/2013 REVIEW FXC __ ISSUED FOR 04/25/2013 FINAL FXC ISSUED FOR 11/06/2013 FINAL FXC ISSUED FOR 02/18/2014 FINAL FXC ISSUED FOR 03/08/2014 FINAL

ENGINEER/CONSULTANT:



26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630

(949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:



STAMP

SITE INFO:

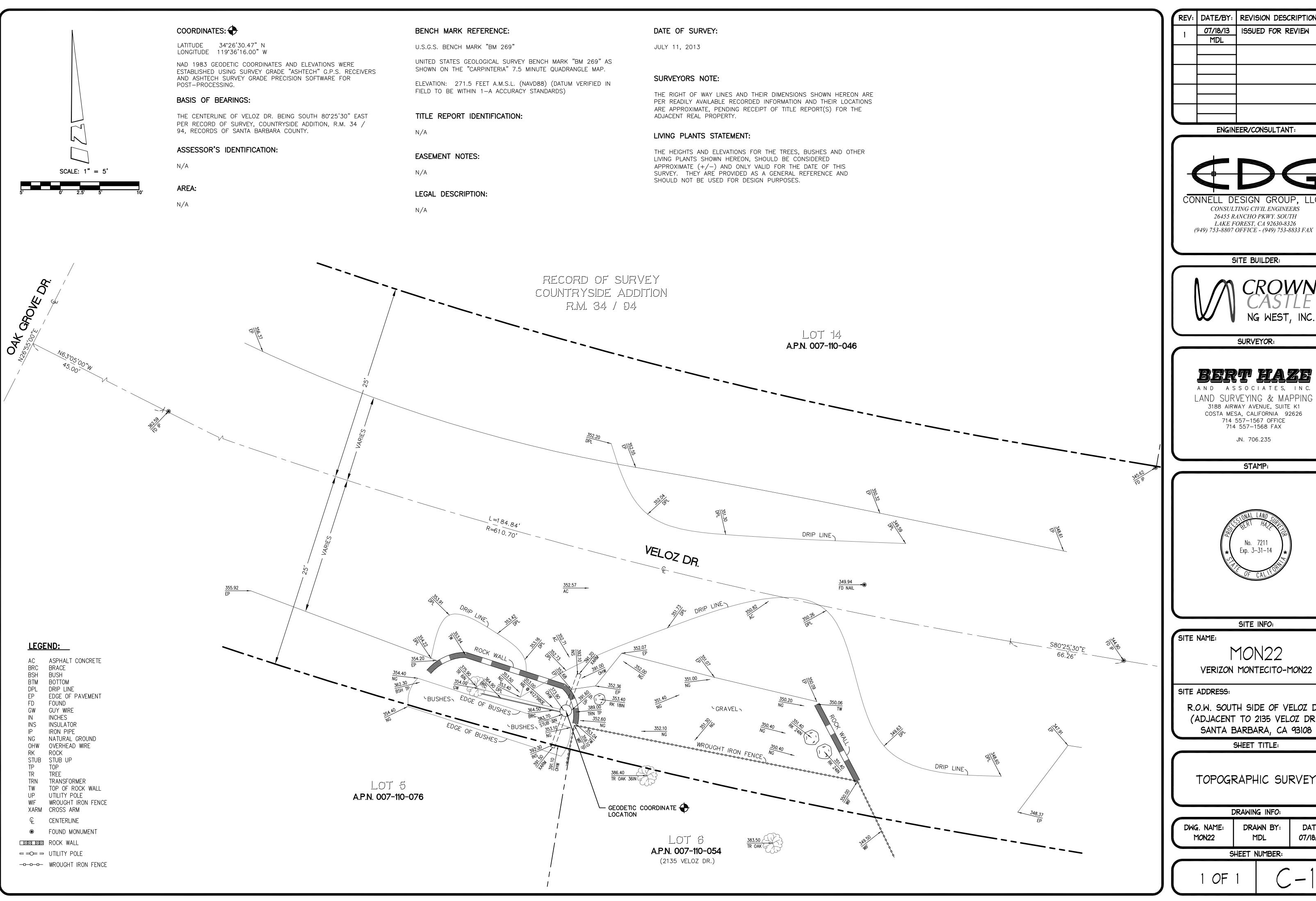
MON22m1 VERIZON MONTECITO-MON22m1

SITE ADDRESS: THOMAS BROS PAGE 997 GRID C1 R.O.W. SOUTH SIDE OF VELOZ DR (ADJACENT TO 2165 VELOZ DR) SANTA BARBARA, CA 93108 LAT: 34.441587 LONG: -119.602992

SHEET TITLE:

TITLE SHEET

DRAWING INFO:



REV:	DATE/BY:	REVISION DESCRIPTION:
1	07/18/13	ISSUED FOR REVIEW
	MDL	



SITE BUILDER:



SURVEYOR:

LAND SURVEYING & MAPPING 3188 AIRWAY AVENUE, SUITE K1 COSTA MESA, CALIFORNIA 92626 714 557-1567 OFFICE 714 557-1568 FAX

JN. 706.235

STAMP:



SITE INFO:

MON22 VERIZON MONTECITO-MON22

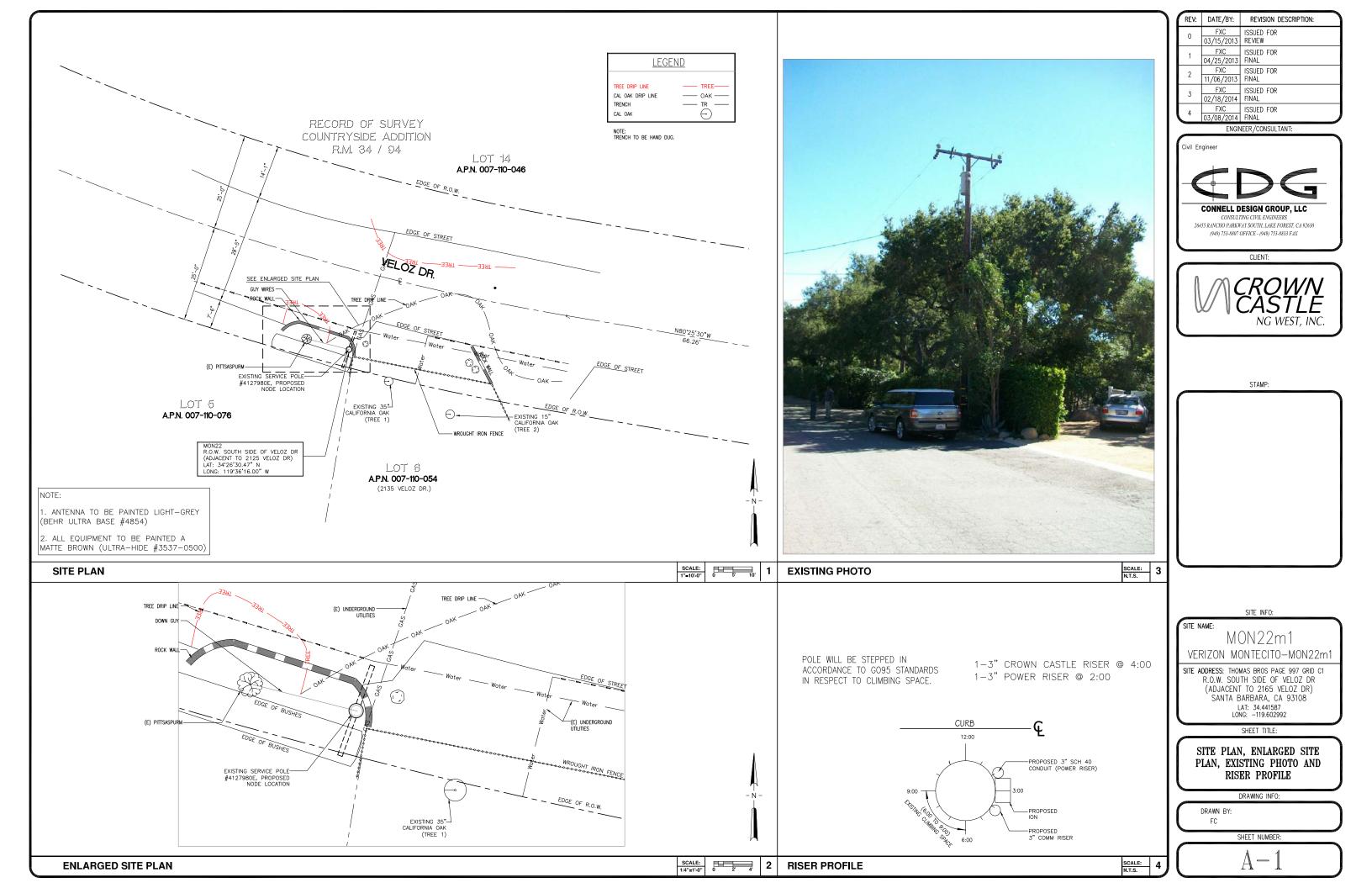
R.O.W. SOUTH SIDE OF VELOZ DR. (ADJACENT TO 2135 VELOZ DR.) SANTA BARBARA, CA 93108

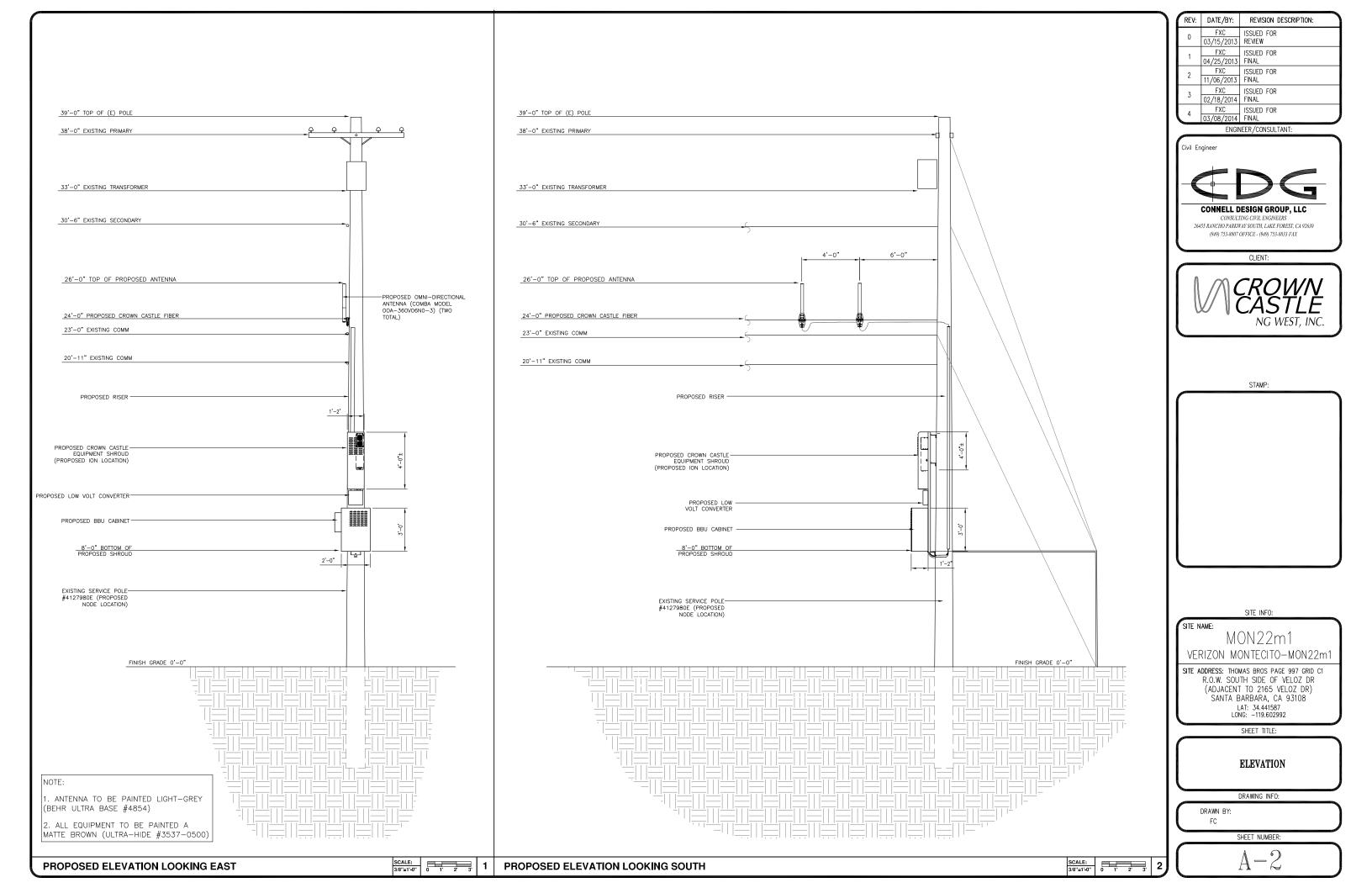
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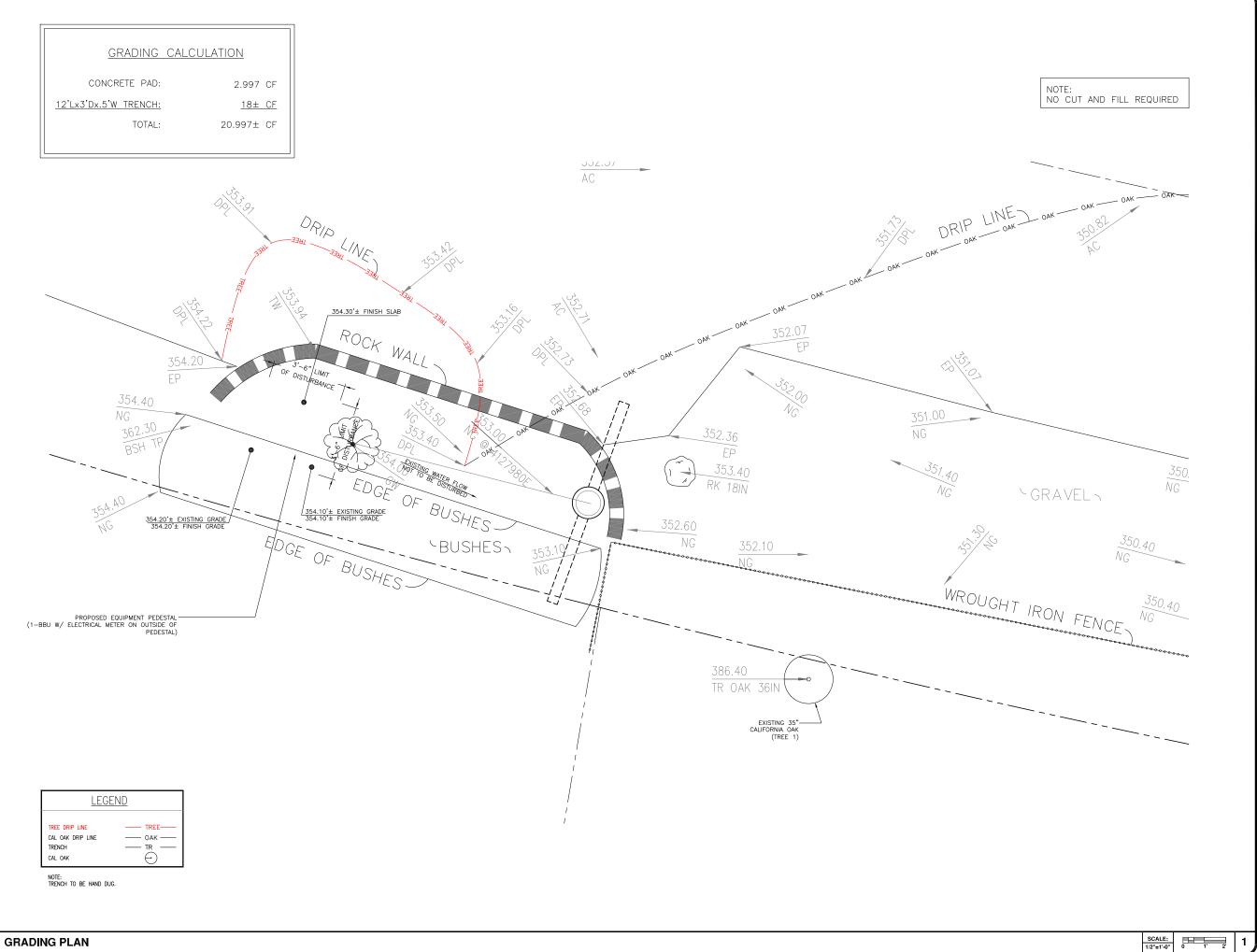
TOPOGRAPHIC SURVEY

DRAWING	INFO

DWG. NAME:		DATE:
MON22	MDL	07/18/13







1	REV:	DATE/BY:	REVISION DESCRIPTION:
	0	FXC 03/15/2013	ISSUED FOR REVIEW
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	4	FXC	ISSUED FOR

Civil Engineer

CONNELL DESIGN GROUP, LLC

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX CLIENT:

CONSULTING CIVIL ENGINEERS



STAMP:

SITE INFO:

SITE NAME:

MON22m1 VERIZON MONTECITO-MON22m1

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SHEET TITLE:

GRADING PLAN

DRAWING INFO:

DRAWN BY: FC

SHEET NUMBER:

A-3

Outdoor Omni-directional Antenna

COMBA

OOA-360V06N0-3 VPol, 696-960/1710-2170MHz, 360°, 4.0/6.0 dBi

Technical Specifications

Electrical

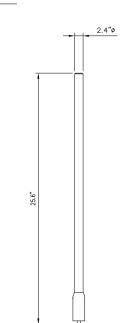
requency Range	MHz	696-960	1710 -2 17
Polarization		Vert	ical
Gain	dBi	4.0 ± 1	6.0 ± 1
Horizontal Beamwidth	deg	36	0
Vertical Beamwidth	deg	22-53	20–26
Electrical Downtilt—Fixed	deg	0	
VSWR		1.	8
Maximum Power	W	20	10
mpedance		5	0
ightning Protection		Direct	Ground
3 3			

Mechanical

Dimensions, HxDia Weight, with Mounting kit Radome Material and Color Radiating Element Material Connector Type and Location Operational Temperature Operational Humidity Operational Wind Speed km/h (mph) Shipping Dimensions, HxWxD mm (in) Shipping Weight

650x60 (25.6x2.4) 1 (2.2) Fiberglass, Light Grey Copper N-Female, Bottom -55 to +70 95 200 (124) 670x100x10Ò (26.4x3.9x3.9)

1.2 (2.65)



ANTENNA SPECIFICATIONS N.T.S.

Electrical

Power Supply . 1100 max. Power consumption, Watts < 750 @ normal operation

700 MHz SISO/MIMO

Frequency range, MHz

698 to 716/776 to 787 728 to 757

Output power per carrier*, dBm

Number of Carriers 1 LTE

43

43

850 MHz

CDMA

Frequency range, MHz

824 to 849 Output power per carrier*, dBm Analog GSM

37 37

20W for Cell, PCS bands and 700MHz MIMO 37

1900 MHz

Frequency range, MHz

1850 to 1915 1930 to 1995

Output power per carrier*, dBm

Number of Carriers 1			2	4	8
	GSM	43	40	37	34
	CDMA	43	40	37	34
	LTE	43	40 ***	37	34
	UMTS	42	39	36	33



ION-M7P/7P/85P/19P

Noise figure, dB

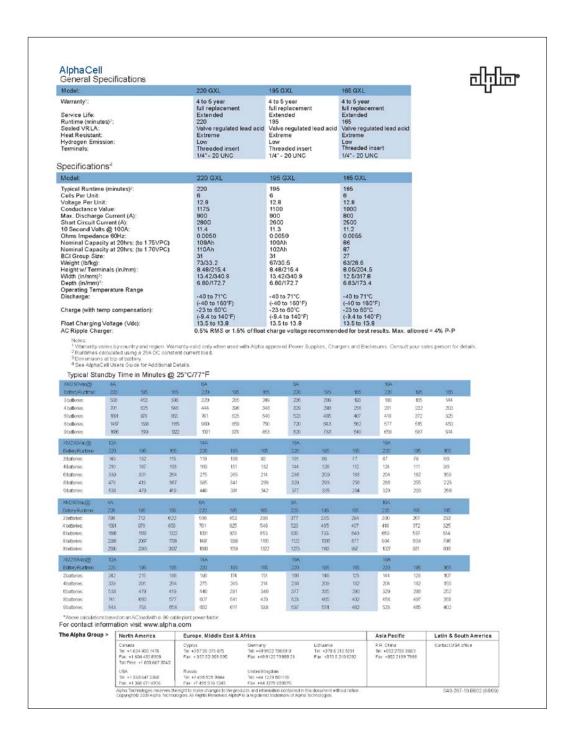
. +6 max. 4.5 typical

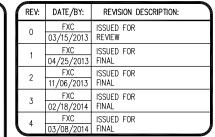
Mechanical****

Weight, kg (lb)

Height, width, depth, mm (in) 817 x 245 x 218 (32.2 x 9.6 x 8.6)

Page 1, February 27, 2013 Company Confidential





ENGINEER / CONSULTANT:



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MON22m1 VERIZON MONTECITO-MON22m1

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SHEET TITLE:

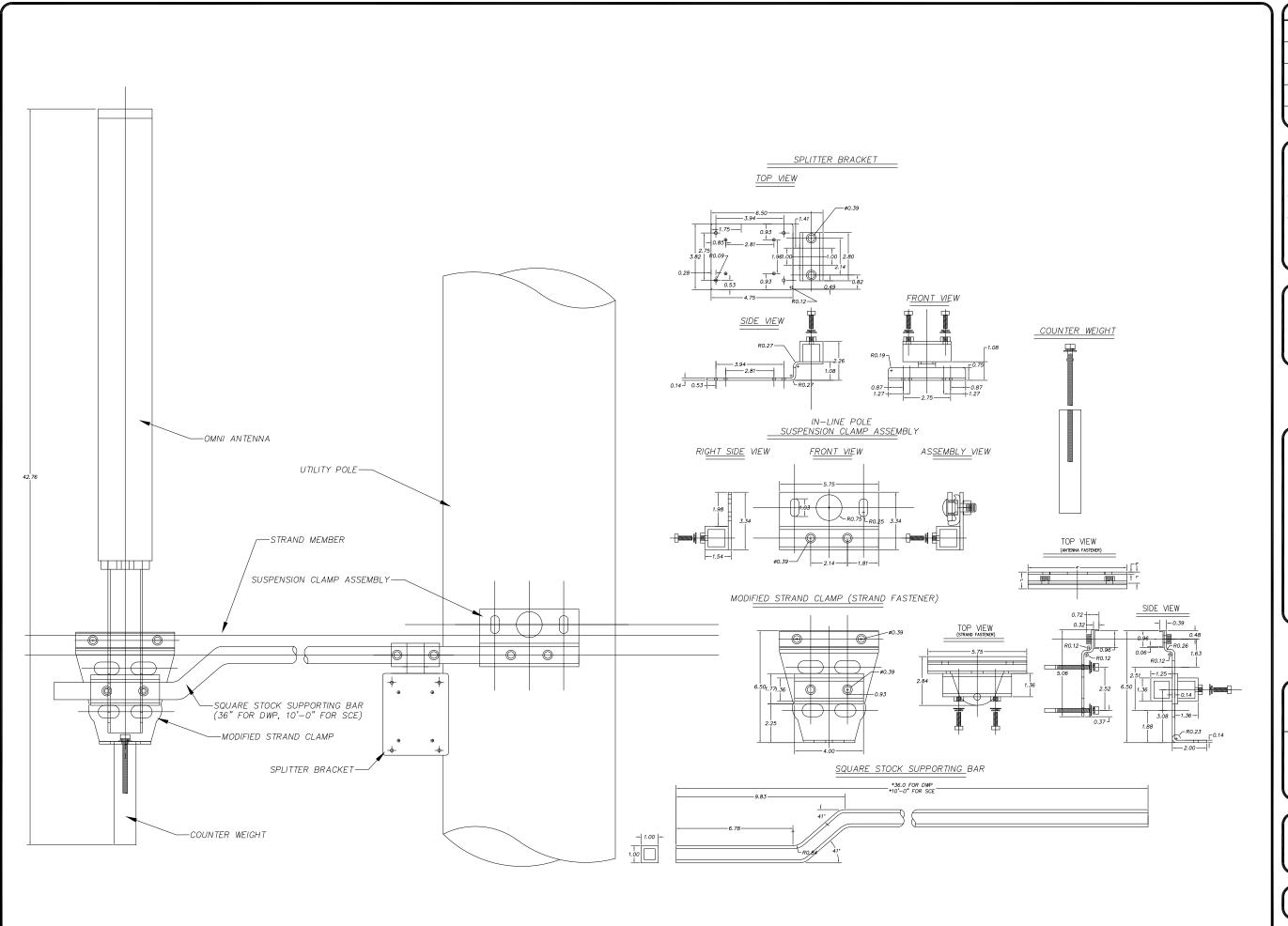
DETAILS

DRAWING INFO:

FC

SHEET NUMBER:

BATTERY SPECIFICATIONS N.T.S. ION-M7P/7P/85P/19P N.T.S.



ANTENNA MOUNT

REV:	DATE/BY:	REVISION DESCRIPTION:
0	FXC 03/15/2013	ISSUED FOR REVIEW
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Civil Engineer

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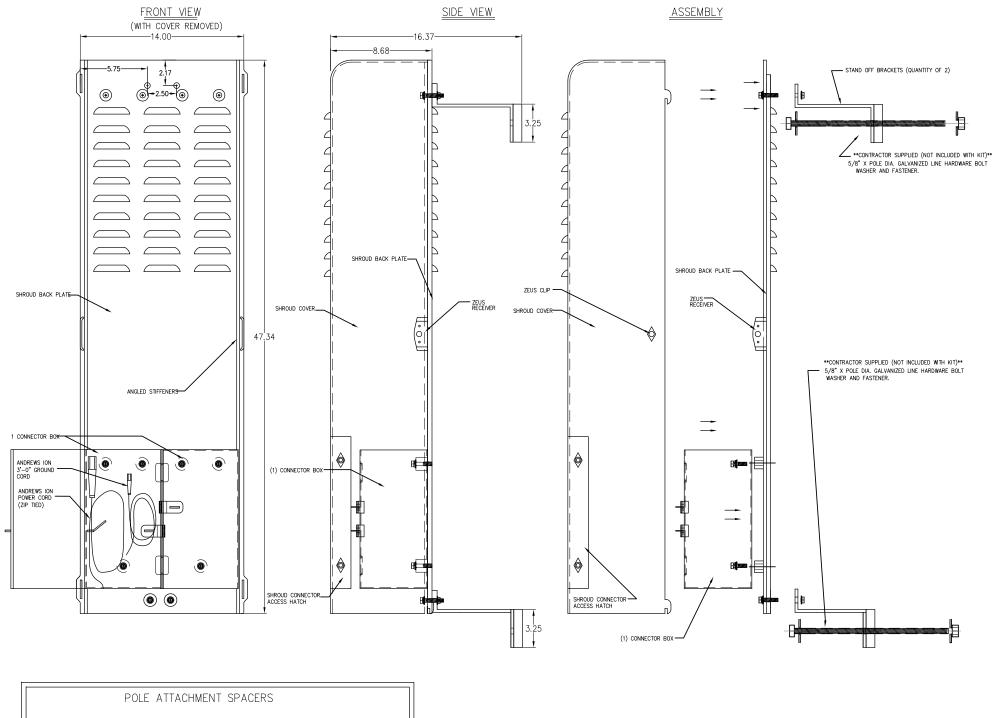
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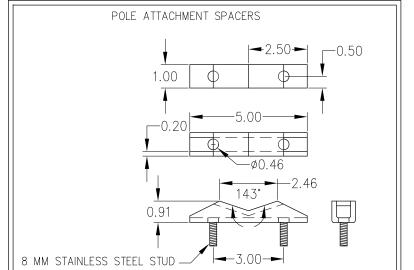
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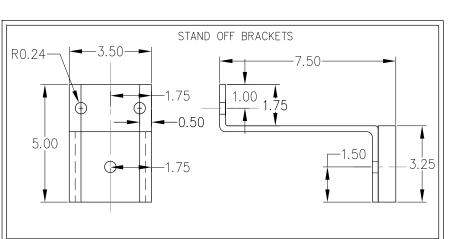
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SHEET NUMBER:

D-2







1	۱	REV:	DATE/BY:	REVISION DESCRIPTION:
		0	FXC 03/15/2013	ISSUED FOR REVIEW
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ı		3	FXC 02/18/2014	ISSUED FOR FINAL
		4	FXC	ISSUED FOR

Civil Engineer



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SHEET TITLE:

DETAILS

DRAWING INFO:

DRAWN E

SHEET NUMBER:

D-3

SHROUD DETAIL

N.T.S.

3 1 1 1 1

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- 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO THI
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIMSION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOAR
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- 5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS PROVISION SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED IN CONNECTION WITH THI PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT

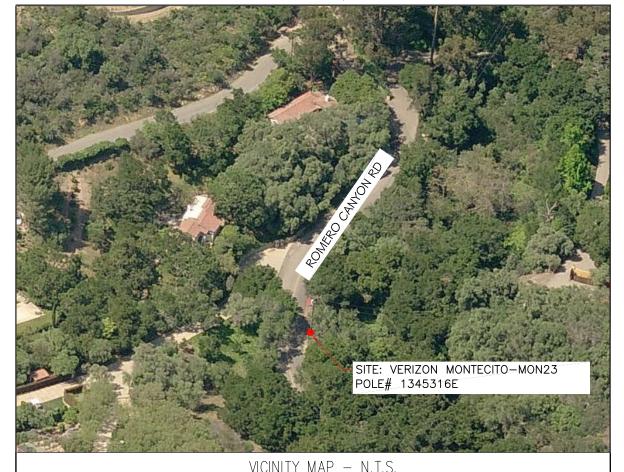


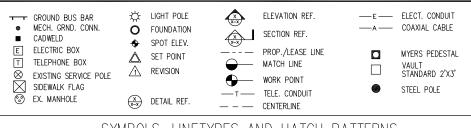
CONSTRUCTION CHANGE TARLE APPLICABLE CODES

		CONSTRUCTION CHANGE TABLE
CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON23 R.O.W. EAST SIDE OF ROMERO CANYON RD. (ADJACENT TO 1000 ROMERO CANYON RD) SANTA BARBARA, CA 93108





SYMBOLS, LINETYPES AND HATCH PATTERNS

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- IN THE EVENT OF CONFLICT. THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF

- 1. (2) OMNI ANTENNAS ON EXISTING UTILITY POLE
- 2. EQUIPMENT PEDESTAL W/ BBU, AND ELECTRICAL METER AT BASE OF
- 3. PROPOSED SHROUD W/ ION ON EXISTING UTILITY POLE

SHEET INDEX:

TITLE SHEET	T-1 - SHEET 1 OF 8
TOPOGRAPHIC SURVEY	C-1 - SHEET 2 OF 8
SITE PLAN	A-1 - SHEET 3 OF 8
PROPOSED ELEVATIONS	A-2 - SHEET 4 OF 8
GRADING PLAN	A-3 - SHEET 5 OF 8
DETAILS	D-1 - SHEET 6 OF 8
DETAILS	D-2 - SHEET 7 OF 8
DETAILS	D-3 - SHEET 8 OF 8

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE
- AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE FROSION/SEDIMENT CONTROL MEASURES.
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS		
ASPHALT CUT	-	
DIRT TRENCH	-	
PUNCH THRU	-	
BORE	-	
TOTAL	=	
R&R SWF TOTAL	-	

PROJECT DICTIONARY

R.O.W. EAST SIDE OF ROMERO CANYON RD. SITE ADDRESS: (ADJACENT TO 1000 ROMERO CANYON RD) SANTA BARBARA, CA 93108

APPLICANT: CROWN CASTLE NG WEST, INC 2125 WRIGHT AVE. SUITE #C9 LA VERNE, CA 91750 CONTACT: HEIDI PAYNE

PHONE: (949) 300-9493 CIVIL ENGINEER:

CONNELL DESIGN GROUP, LLC 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

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l	1	FXC 03/25/2013	ISSUED FOR FINAL
l	2	FXC 11/05/2013	ISSUED FOR FINAL
l	3	FXC 03/08/2014	ISSUED FOR FINAL

ENGINEER/CONSULTANT:



(949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:



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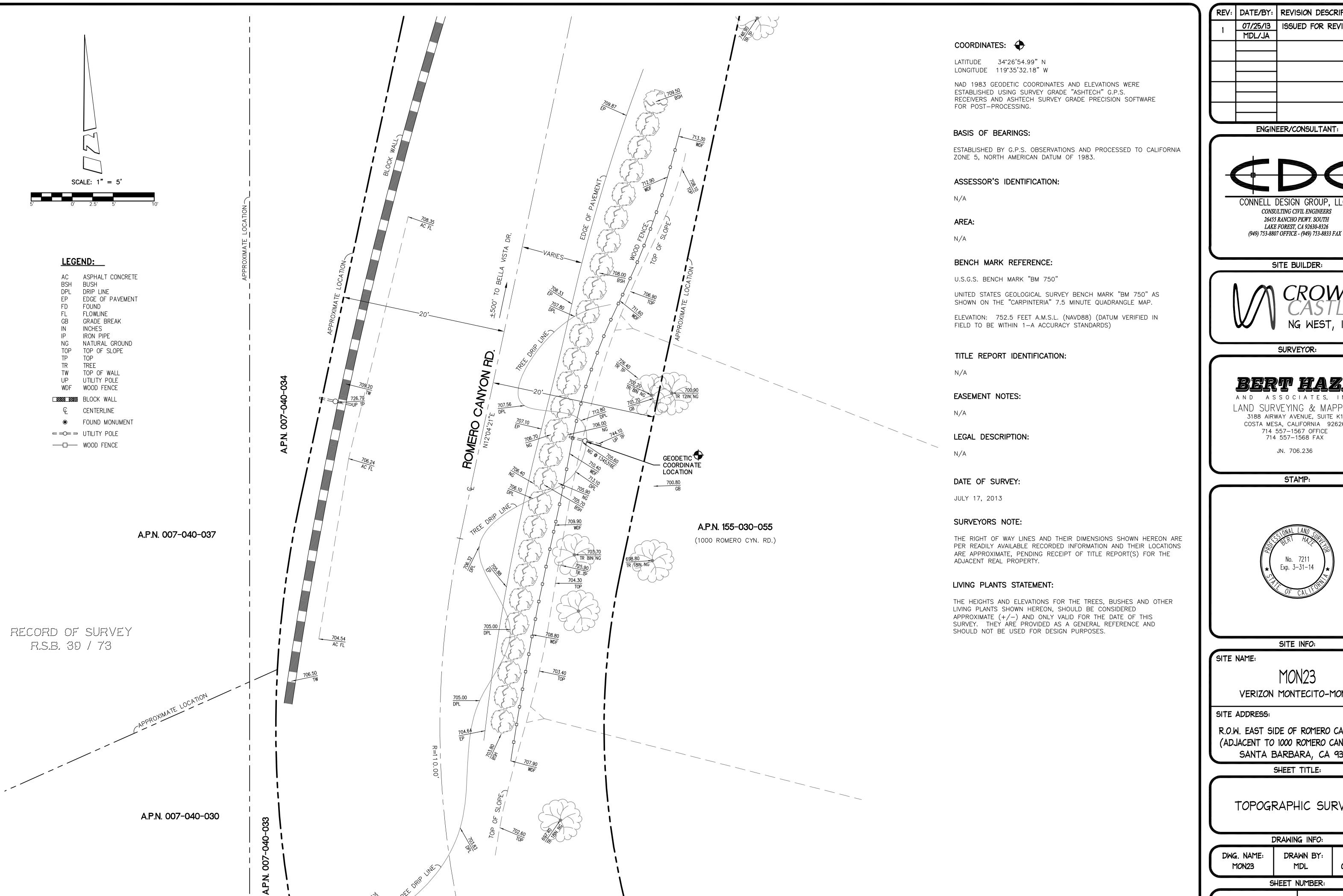
MON23 VERIZON MONTECITO-MON23

SITE ADDRESS: THOMAS BROS PAGE 987 GRID E7 R.O.W. EAST SIDE OF ROMERO CANYON RD. (ADJACENT TO 1000 ROMERO CANYON RD) SANTA BARBARA, CA 93108 LAT: 34.44892 LONG: -119.59215

SHEET TITLE:

TITLE SHEET

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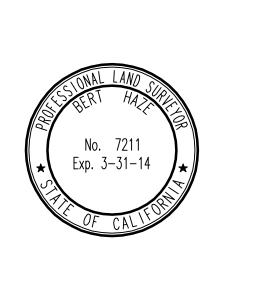


SURVEYOR:

AND ASSOCIATES, INC. LAND SURVEYING & MAPPING 3188 AIRWAY AVENUE, SUITE K1 COSTA MESA, CALIFORNIA 92626 714 557-1567 OFFICE 714 557-1568 FAX

JN. 706.236

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MON23 VERIZON MONTECITO-MON23

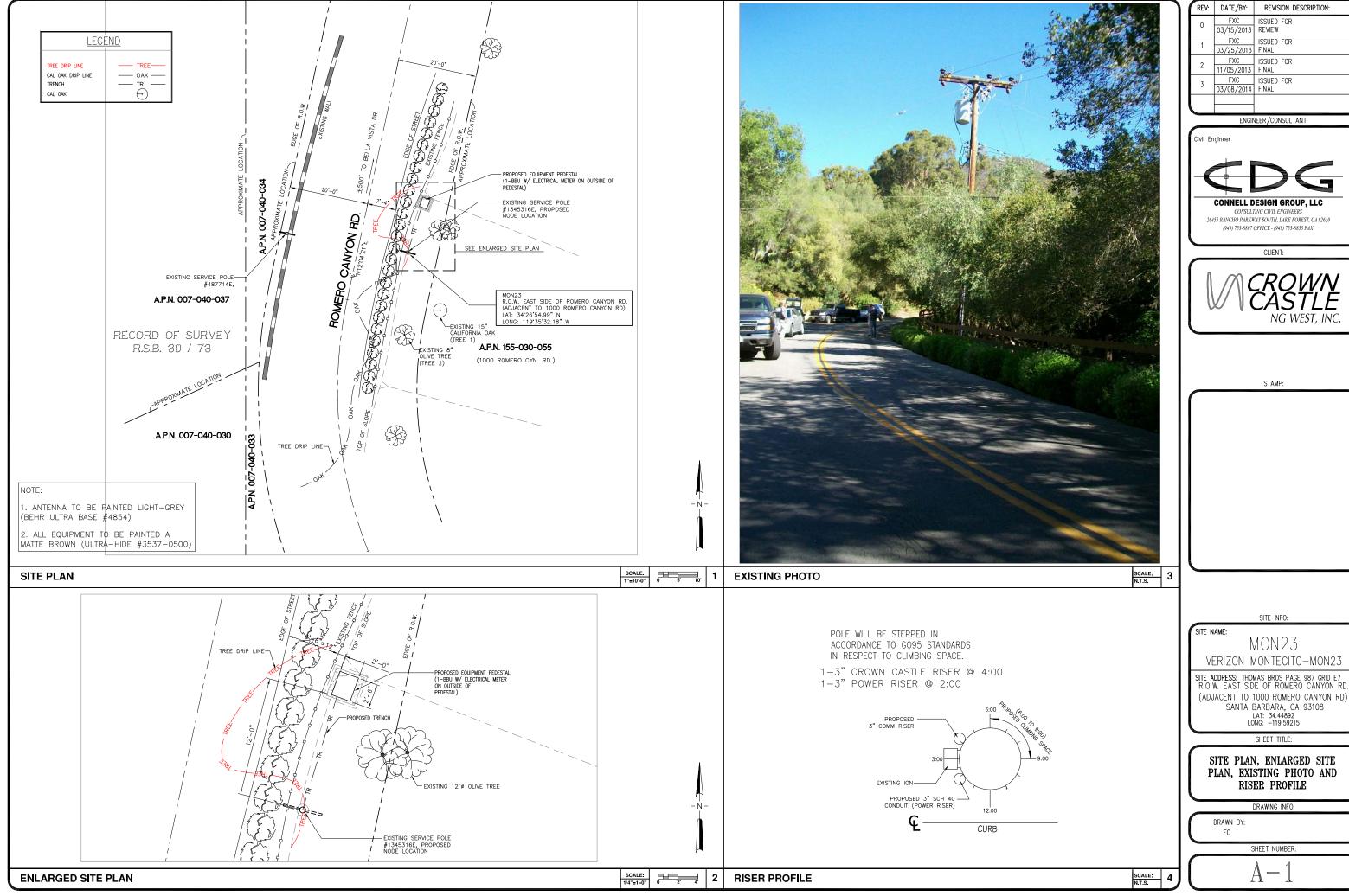
R.O.W. EAST SIDE OF ROMERO CANYON RD (ADJACENT TO 1000 ROMERO CANYON RD) SANTA BARBARA, CA 93108

SHEET TITLE:

TOPOGRAPHIC SURVEY

DRAWING	INFO

DW	G. NAME:	DRAWN BY:	DATE:	
	MON23	MDL	07/25/13	

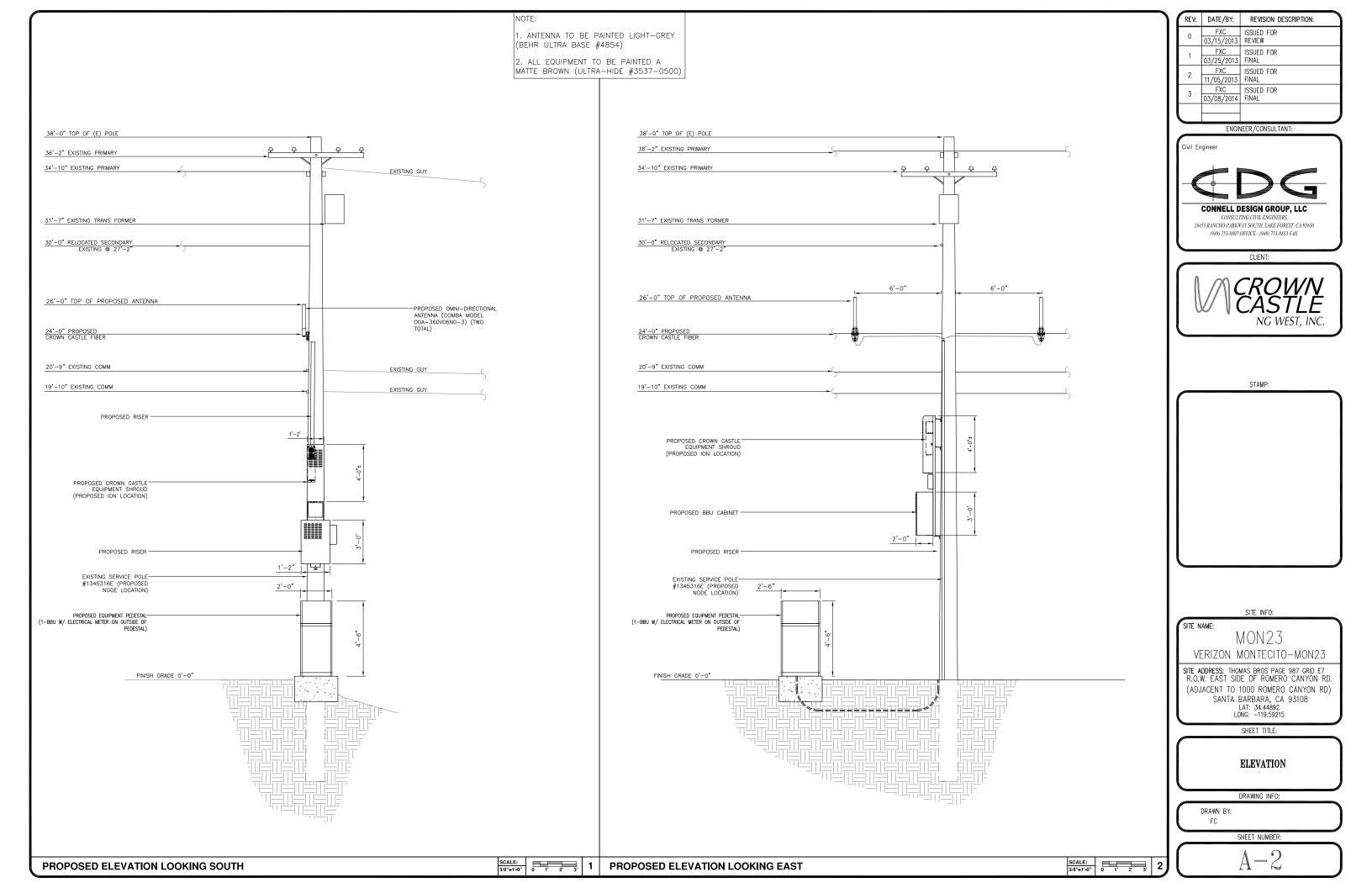


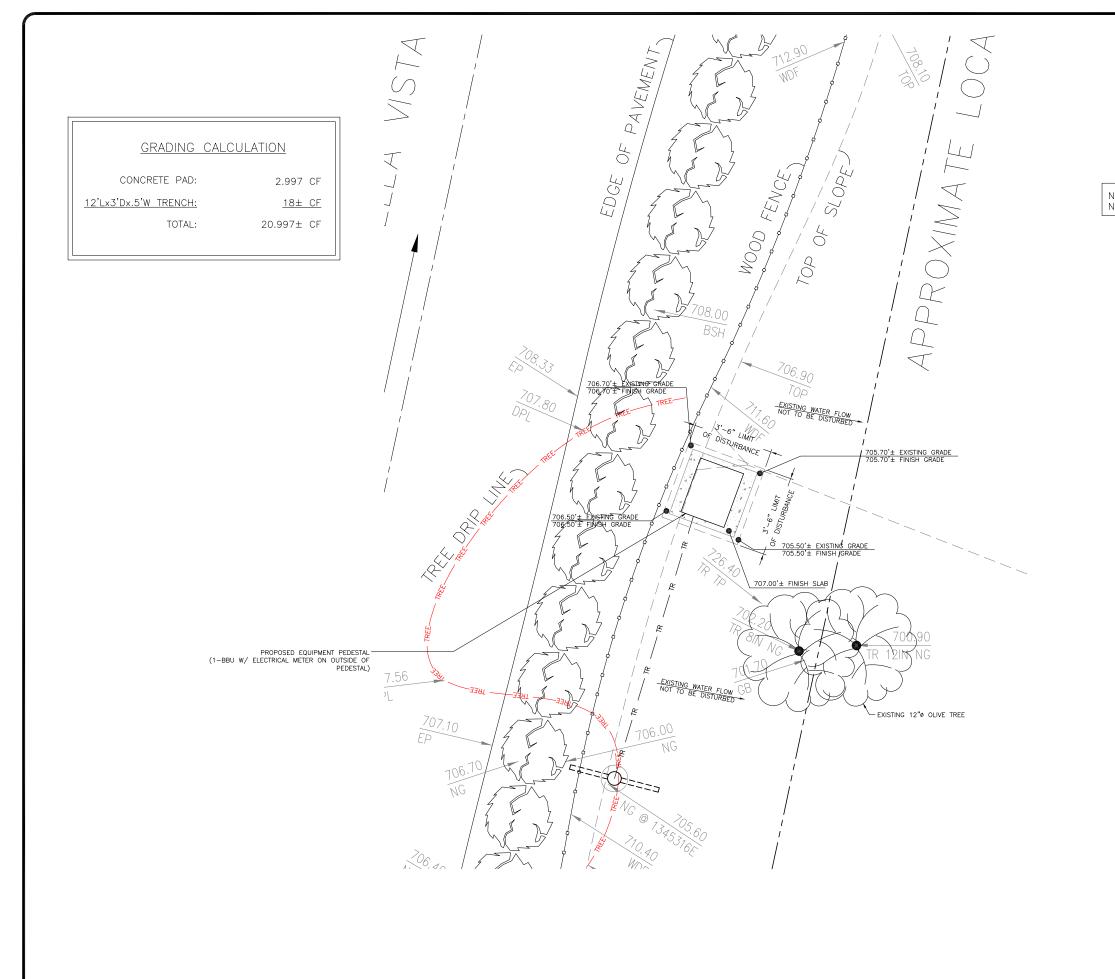




(ADJACENT TO 1000 ROMERO CANYON RD) SANTA BARBARA, CA 93108

PLAN, EXISTING PHOTO AND





NOTE: NO CUT AND FILL REQUIRED

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		3	FXC 03/08/2014	ISSUED FOR FINAL

ENGINEER/CONSULTANT:

Civil Engineer



(949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630



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SHEET TITLE:

GRADING PLAN

DRAWING INFO:

DRAWN BY: FC

SHEET NUMBER:

A-3

SITE PLAN

1 J

LEGEND

---- TREE---

— OAK — TR —

TREE DRIP LINE

CAL OAK

CAL OAK DRIP LINE TRENCH

COMBA Outdoor Omni-directional Antenna OOA-360V06N0-3 VPol, 696-960/1710-2170MHz, 360°, 4.0/6.0 dBi 2.4"ø Technical Specifications Electrical Frequency Range 696-960 1710-2170 Polarization Vertical dBi 4.0±1 6.0 ± 1 Horizontal Beamwidth 22-53 20-26 Vertical Beamwidth Electrical Downtilt-Fixed 1.8 200 50 VSWR Maximum Power Impedance Lightning Protection Direct Ground Mechanical 650x60 (25.6x2.4) Dimensions, HxDia Weight, with Mounting kit 1 (2.2) Fiberglass, Light Grey Radome Material and Color Radiating Element Material Copper N-Female, Bottom Connector Type and Location Operational Temperature -55 to +70 95 Operational Humidity Operational Wind Speed km/h (mph) Shipping Dimensions, HxWxD mm (in) 200 (124) 670x100x100 (26.4x3.9x3.9) 1.2 (2.65) Shipping Weight 1 | CONCRETE PAD **ANTENNA SPECIFICATIONS** N.T.S. 1900 MHz Electrical Power Supply Frequency range, MHz 1850 to 1915 Mains power, Vac 1930 to 1995 . 1100 max. Power consumption, Watts

< 750 @ normal

698 to 716/776 to 787

operation

728 to 757

824 to 849

869 to 894

37 37

37 37 36

20W for Cell,

PCS bands and

700MHz MIMO

700 MHz SISO/MIMO

Output power per carrier*, dBm

Output power per carrier*, dBm

Frequency range, MHz

Frequency range, MHz

ION-M7P/7P/85P/19P

850 MHz

CDMA

Output power per carrier*, dBm

Noise figure, dB

Height, width, depth, mm (in)

Mechanical****

Weight, kg (lb)

Page 1, February 27, 2013 Company Confidential

40 **

ION-M7P/7P/85P/19P

CommScope[®]

. +6 max. 4.5 typical

. 817 x 245 x 218 $(32.2 \times 9.6 \times 8.6)$

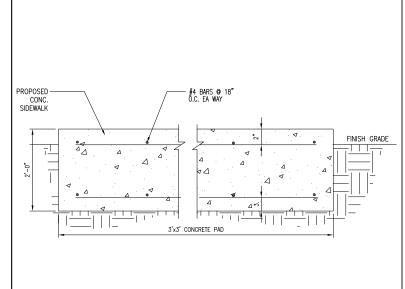
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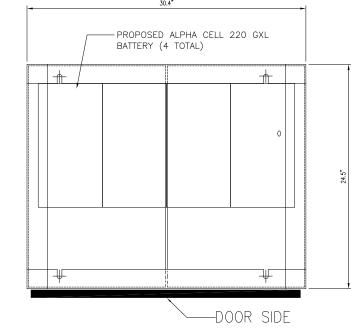
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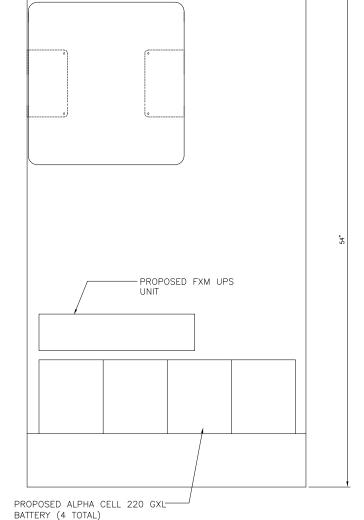
TRENCH

40 (88.2)

GSM CDMA LTE







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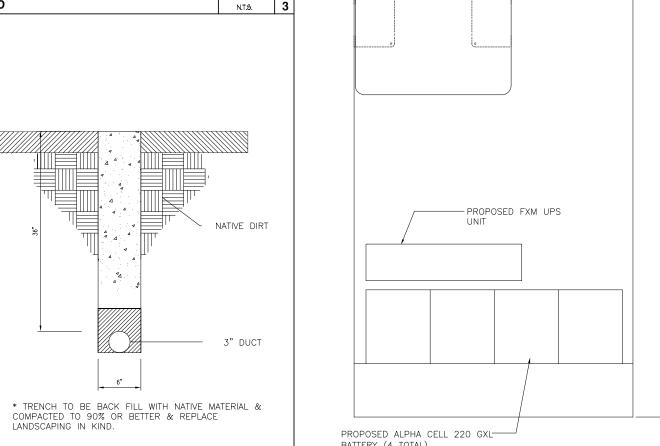
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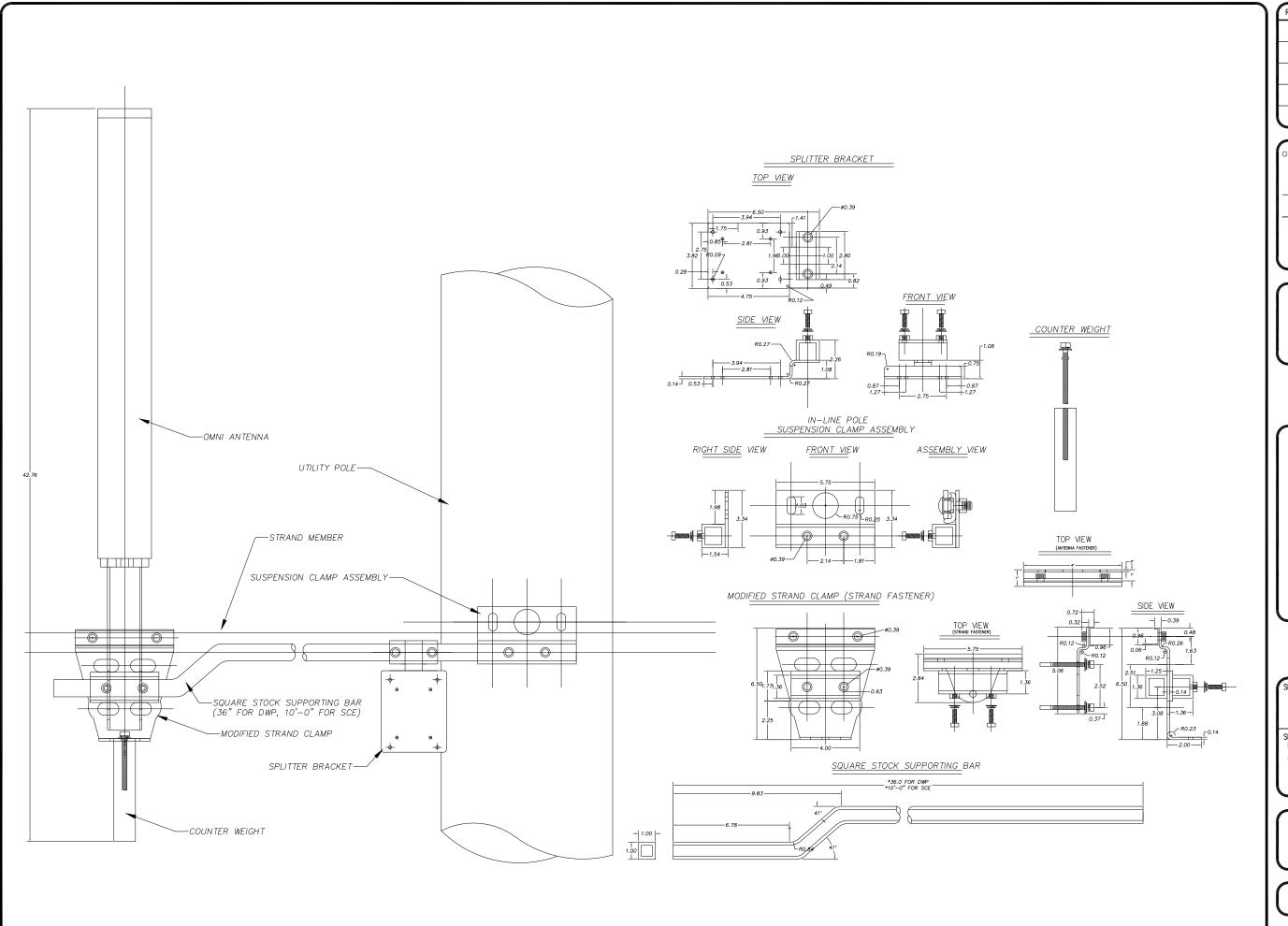
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EQUIPMENT PEDESTAL



ANTENNA MOUNT

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ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC

CONSULTING CIVIL ENGINEERS

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

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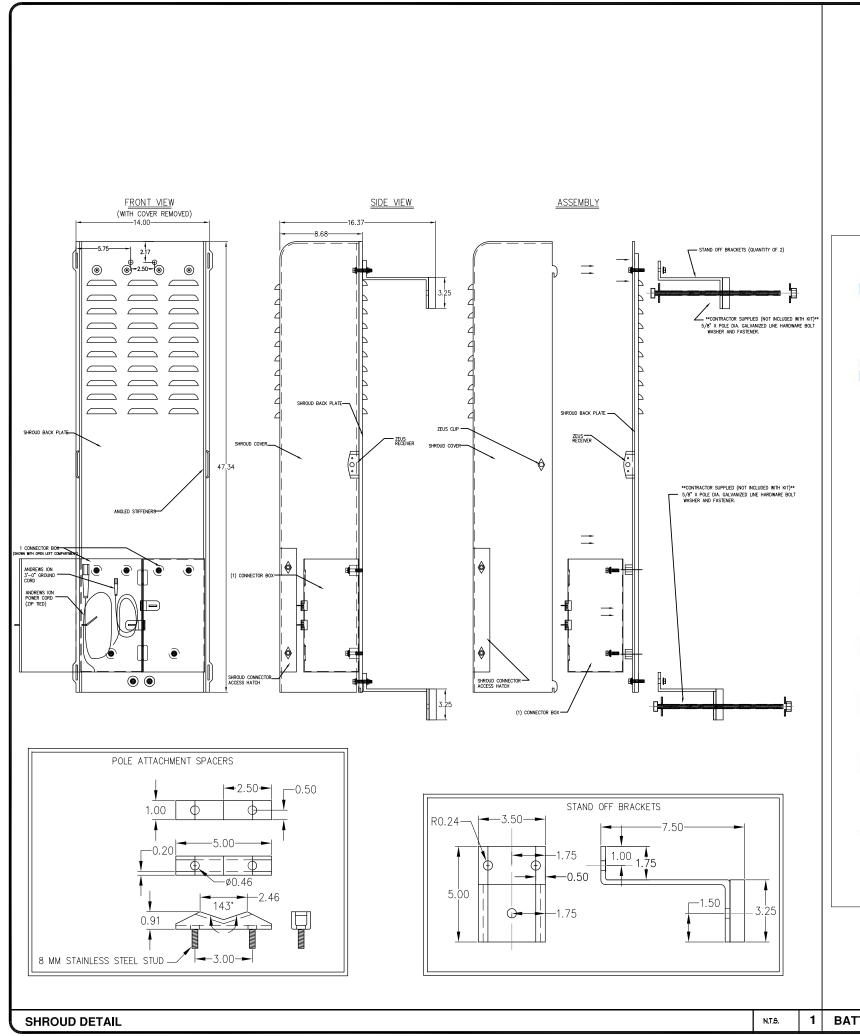
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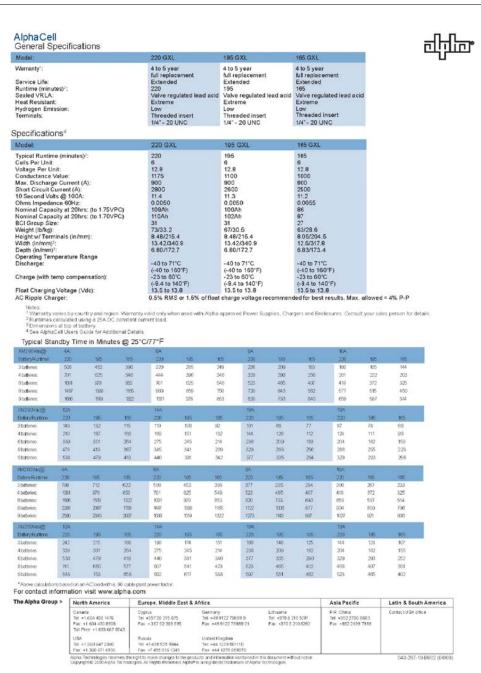
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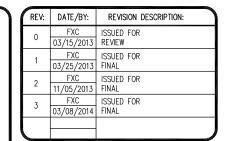
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Civil Engineer CONNELL DESIGN GROUP, LLC

CONSULTING CIVIL ENGINEERS 26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

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SHEET TITLE:

DETAILS

DRAWING INFO:

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SHEET NUMBER:

1 BATTERY SPECIFICATIONS

- . APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE
- 3. THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.)
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY FARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIES, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT. 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO THE PERMIT - ISSUING AUTHORITY.
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- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS PROVISION SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT



CONSTRUCTION CHANGE TABLE CHANGE DATE EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON24 R.O.W. EAST SIDE OF SHEFFIELD DR (ADJACENT TO 260 SHEFFIELD DR) SANTA BARBARA, CA 93108



 ∴ LIGHT POLE ELEVATION REF. — E — ELECT. CONDUIT GROUND BUS BAR MECH. GRND. CONN O FOUNDATION X SECTION REF. CADWELD SPOT ELEV. ELECTRIC BOX -- — PROP./LEASE LINE MYERS PEDESTAL ▲ SET POINT TELEPHONE BOX MATCH LINE VAULT STANDARD 2'X3' A REVISION EXISTING SERVE SIDEWALK FLA EXISTING SERVICE POLE — WORK POINT SIDEWALK FLAG STEEL POLE - T - TELE, CONDUIT (x) DETAIL REF. — — CENTERLINE

SYMBOLS, LINETYPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF:

- I. (2) OMNI ANTENNA ON EXISTING UTILITY POLE
- 2. EQUIPMENT PEDESTAL W/ BBU, ION AND ELECTRICAL METER AT BASE OF POLE

SHEET INDEX:

TOPOGRAPHIC SURVEY C-1 - SHEET 2 OF 8 SITE PLAN - SHEET 3 OF 8 - SHEET 4 OF 8 PROPOSED ELEVATIONS SHEET 5 OF 8 GRADING PLAN DETAILS. D-1 - SHEET 6 OF 8 DETAILS D-2 - SHEET 7 OF 8

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER. 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE
- OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
- WORKING DAY WHEN RAIN IS IMMINENT. 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE
- AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE FROSION/SEDIMENT CONTROL MEASURES. 15 THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTORER 1ST TO
- APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS		
ASPHALT CUT	-	
DIRT TRENCH	-	
PUNCH THRU	-	
BORE	-	
TOTAL	=	
R&R SWF TOTAL	-	

PROJECT DICTIONARY

R.O.W. EAST SIDE OF SHEFFIELD DR SITE ADDRESS: (ADJACENT TO 290 SHEFFIELD DR) SANTA BARBARA, CA 93108

APPLICANT: CROWN CASTLE NG WEST, INC 2125 WRIGHT AVE, SUITE #C9 LA VERNE, CA 91750 CONTACT: HEIDI PAYNE

PHONE: (949) 300-9493 CIVIL ENGINEER:

CONNELL DESIGN GROUP, LLC 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

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ENGINEER/CONSULTANT:



26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630

(949) 753-8807 OFFICE - (949) 753-8833 FAX

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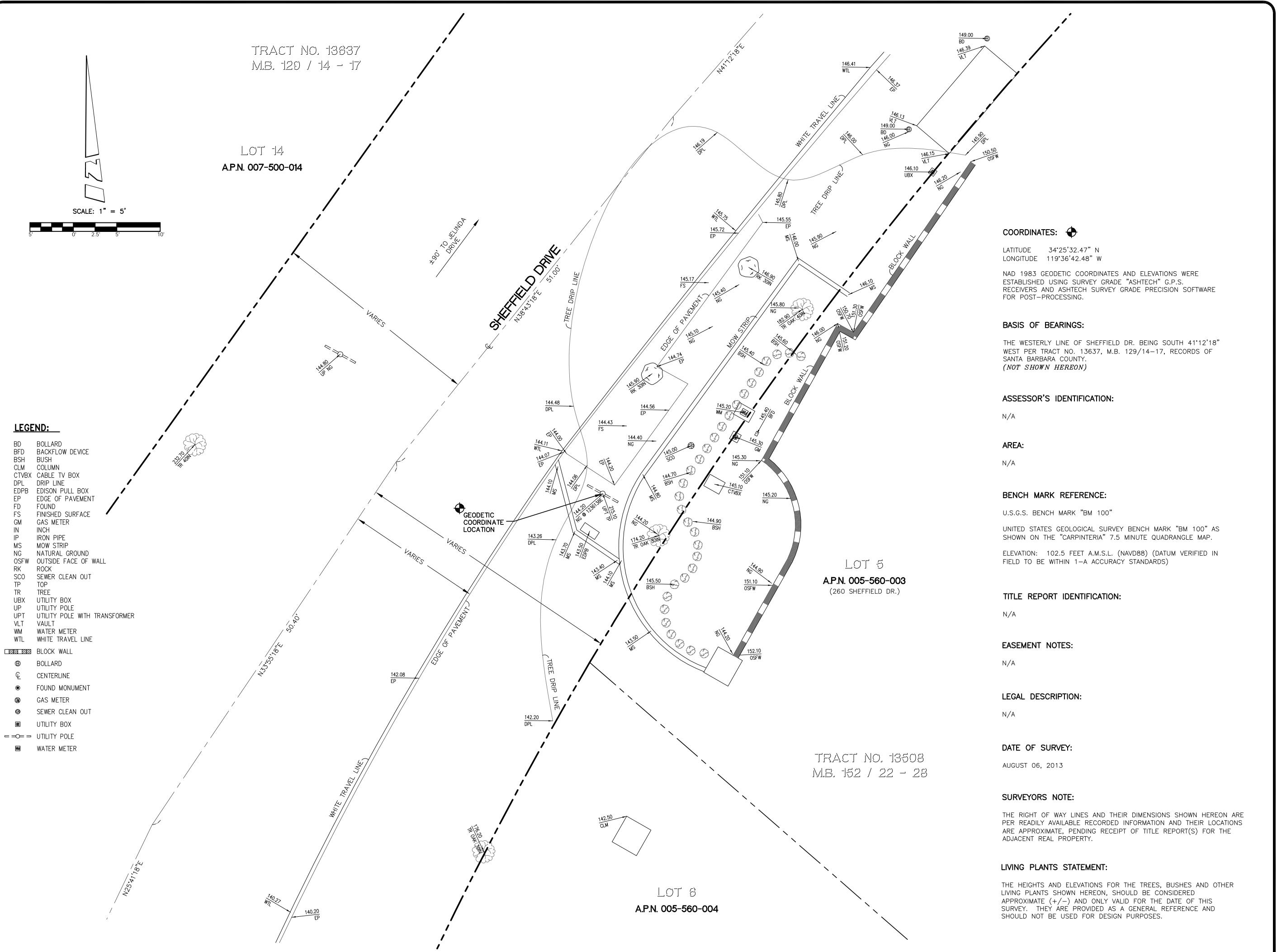
MON24 VERIZON MONTECITO-MON24

SITE ADDRESS: THOMAS BROS PAGE 997 GRID C3 R.O.W. EAST SIDE OF SHEFFIELD DR (ADJACENT TO 260 SHEFFIELD DR) SANTA BARBARA, CA 93108 LONG: -119.61168

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CONSULTING CIVIL ENGINEERS

26455 RANCHO PKWY. SOUTH

LAKE FOREST, CA 92630-8326

(949) 753-8807 OFFICE - (949) 753-8833 FAX

SITE BUILDER:



SURVEYOR:

BERT FLAZE

AND ASSOCIATES, INC.

LAND SURVEYING & MAPPING

3188 AIRWAY AVENUE, SUITE K1

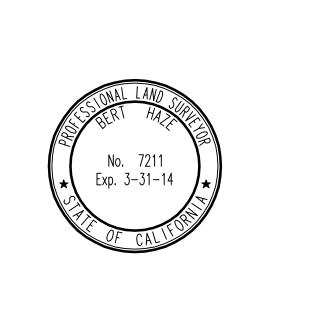
COSTA MESA, CALIFORNIA 92626

714 557-1567 OFFICE

714 557-1568 FAX

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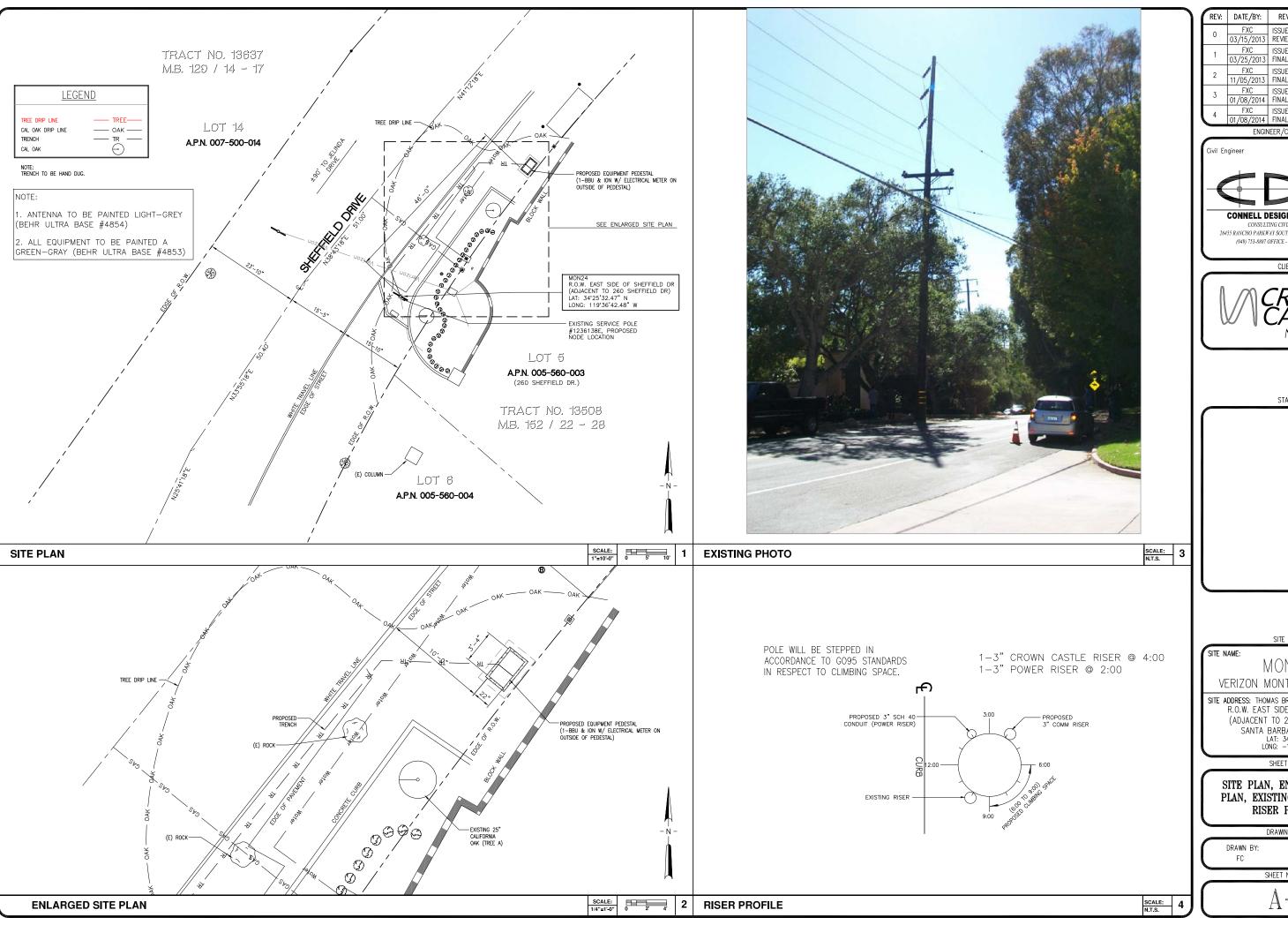
TOPOGRAPHIC SURVEY

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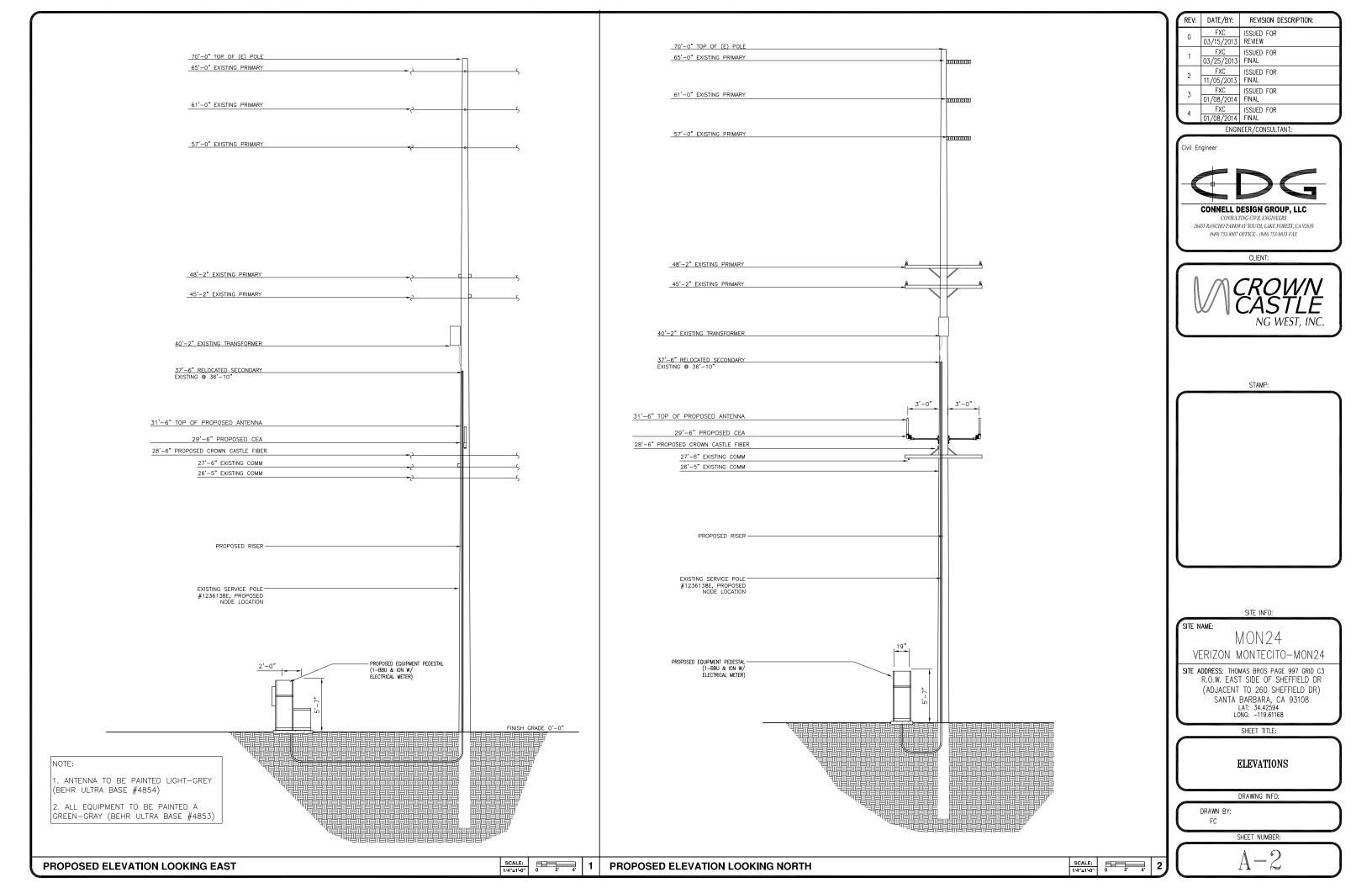
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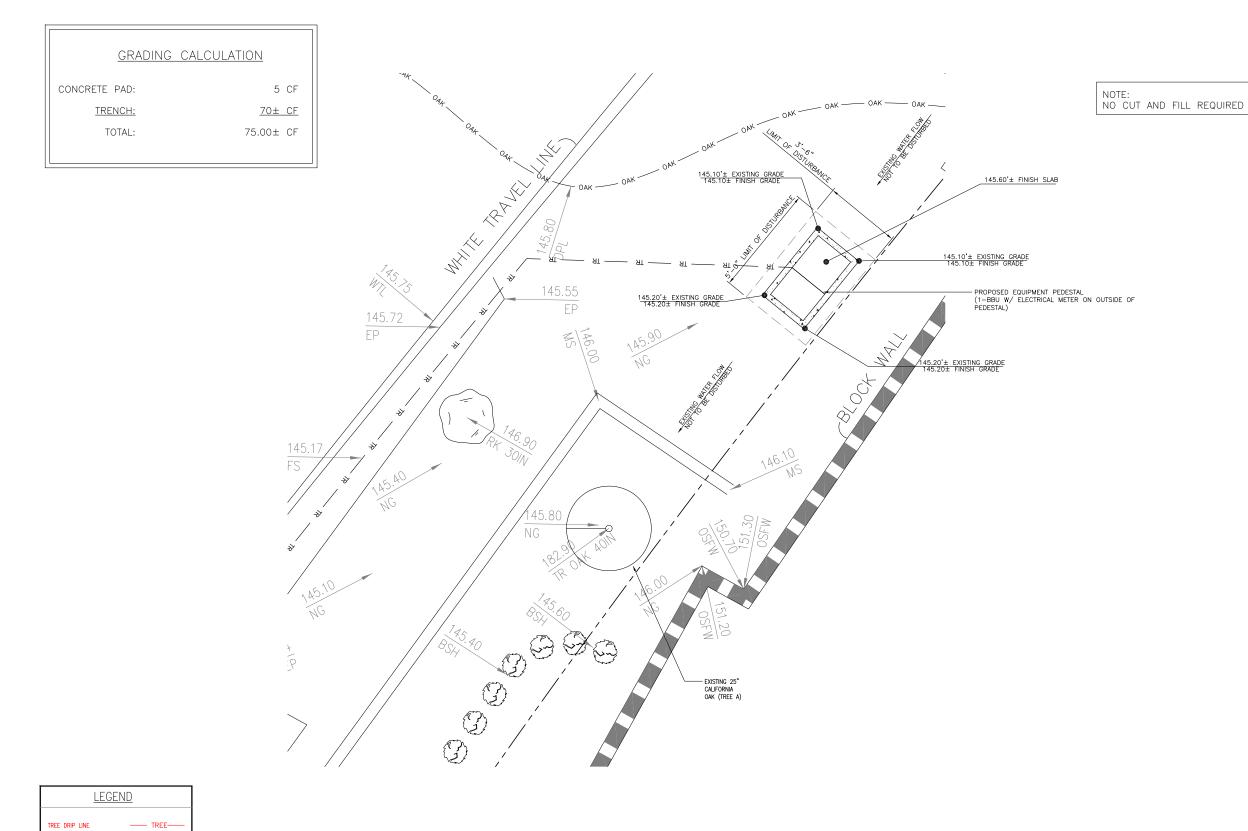
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SITE PLAN, ENLARGED SITE PLAN, EXISTING PHOTO AND RISER PROFILE

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ENGINEER/CONSULTANT:

Civil Engineer



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SHEET TITLE:

GRADING PLAN

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GRADING PLAN

CAL OAK DRIP LINE

NOTE: TRENCH TO BE HAND DUG.

TRENCH

CAL OAK

—— ОАК ——

— TR — \odot

Outdoor Omni-directional Antenna

COMBA

OOA-360V06N0-3 VPol, 696-960/1710-2170MHz, 360°, 4.0/6.0 dBi

Copper

-55 to +70 95

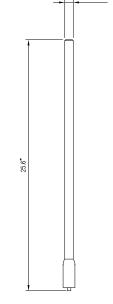
Technical Specifications

Electrical

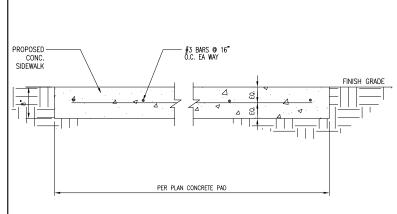
MHz	696-960	1710–2170
	Verti	
dBi	4.0 ± 1	6.0±1
deg		
	22-53	20–26
deg	0	
	1.8	
W		
	Direct	Ground
	dBi deg deg deg	dBi 4.0±1 deg 360 deg 22-53 deg 0 1.8

Mechanical

Dimensions, HxDia 650x60 (25.6x2.4) Weight, with Mounting kit 1 (2.2) Fiberglass, Light Grey Radome Material and Color Radiating Element Material Connector Type and Location Operational Temperature N-Female, Bottom Operational Humidity 200 (124) 670x100x100 (26.4x3.9x3.9) 1.2 (2.65) Operational Wind Speed km/h (mph) Shipping Dimensions, HxWxD mm (in) Shipping Weight



2.4"ø



ANTENNA SPECIFICATIONS 1 CONCRETE PAD N.T.S. N.T.S.

Electrical

Power Supply Mains power, Vac . 1100 max. Power consumption, Watts < 750 @ normal operation 700 MHz SISO/MIMO

Frequency range, MHz

698 to 716/776 to 787 728 to 757

Output power per carrier*, dBm

Number of Carriers 1 850 MHz

Frequency range, MHz 824 to 849 Output power per carrier*, dBm

37 CDMA 37 37

GSM LTE



20W for Cell, PCS bands and 700MHz MIMO

Output power per carrier*, dBm

Noise figure, dB

Mechanical**** Height, width, depth, mm (in) 817 x 245 x 218 (32.2 x 9.6 x 8.6) Weight, kg (lb)

Company Confidential Page 1, February 27, 2013

1900 MHz

Frequency range, MHz 1850 to 1915 1930 to 1995



ION-M7P/7P/85P/19P

* TRENCH TO BE BACK FILL WITH NATIVE MATERIAL & COMPACTED TO 90% OR BETTER & REPLACE LANDSCAPING IN KIND.

MMOE - Telecom Multi Mount Outdoor Enclosure



- > Compact enclosure design provides ideal fit for locations where aesthetics are important
- > Light-weight powder coated aluminum construction offers superior corrosion resistant properties
- > Large sun shield, reduces solar heat loading inside the cabinet
- > 180° stainless steel piano-hinged door (with two locking open positions) make installation and maintenance easy and convenient
- > Thermostat controlled filtered fan cooling and louvered vents ensure reliable operation in high temperature environments
- > Various mounting options (including pole mount) make this highly versatile in space constrained mobile broadband applications

Alpha's Multi Mount Outdoor Enclosure (MMOE) - Telecom, is a cost-effective and versatile enclosure ideal for space constrained locations. The Multi Mount can be pole, host, wall or pedestal mounted and can accommodate Airpha's FXM. UPS and up to four Airpha'cel™ 85/XL or 195 GXI. front serrinal batteries. With a small form factor, the Multi Mount is the perfect choice for locations where confined space necessitates creative installation options.



Alpha Multi Mount Outdoor Enclosure - Telecom

NATIVE DIRT

3" DUCT

Dimensions:	
mm:	
Inches:	27H x 22W x 18D
Weight:	27.2kg (60lbs)
Construction	High strength corrosion resistant aluminum
Finish:	Powder coated white color
Equipment space:	EIA standard 19°, 5RU space with one
	bottery shef
Cable entrance:	Bottom of enclosure: 1 x 5" diameter
	knock-out
	(21%' trade size) 4 x 1.125' diameter knock-out.
	(W trade size)
Hinge type:	Stainless steel plano hinge
Door prop:	Aluminum rod, 2 looking open positions
Door latch:	Belloore 216 compression look with padlock
	pracket
HVAC Specifica	tions
200200	

	400		- VAI	١.
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ENGINEER / CONSULTANT:

Civil Engineer CONNELL DESIGN GROUP, LLC

CONSULTING CIVIL ENGINEERS

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630

(949) 753-8807 OFFICE - (949) 753-8833 FAX

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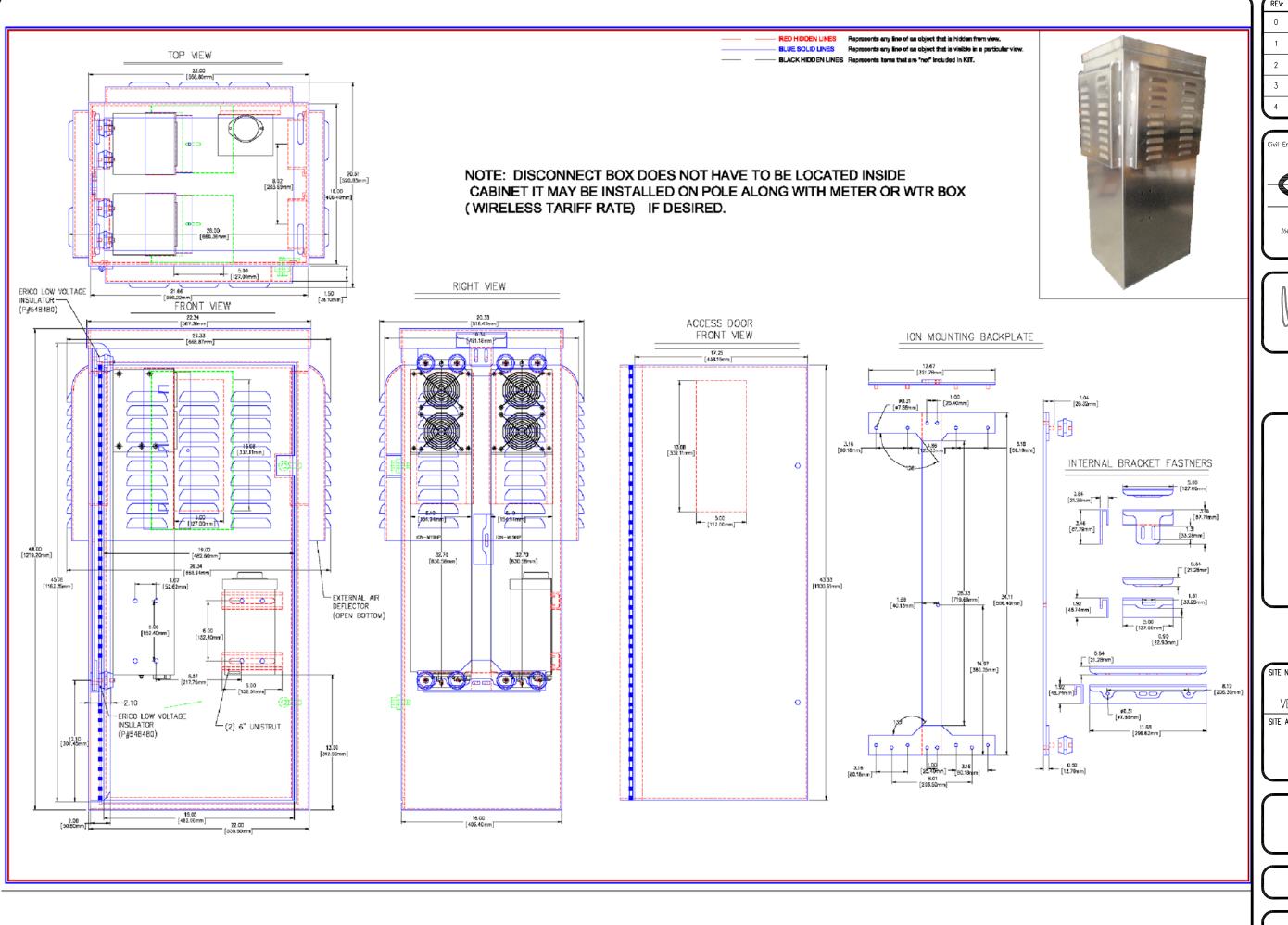
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2 TRENCH N.T.S. ION-M7P/7P/85P/19P N.T.S. PEDESTAL SPECIFICATIONS



PEDESTAL DETAIL

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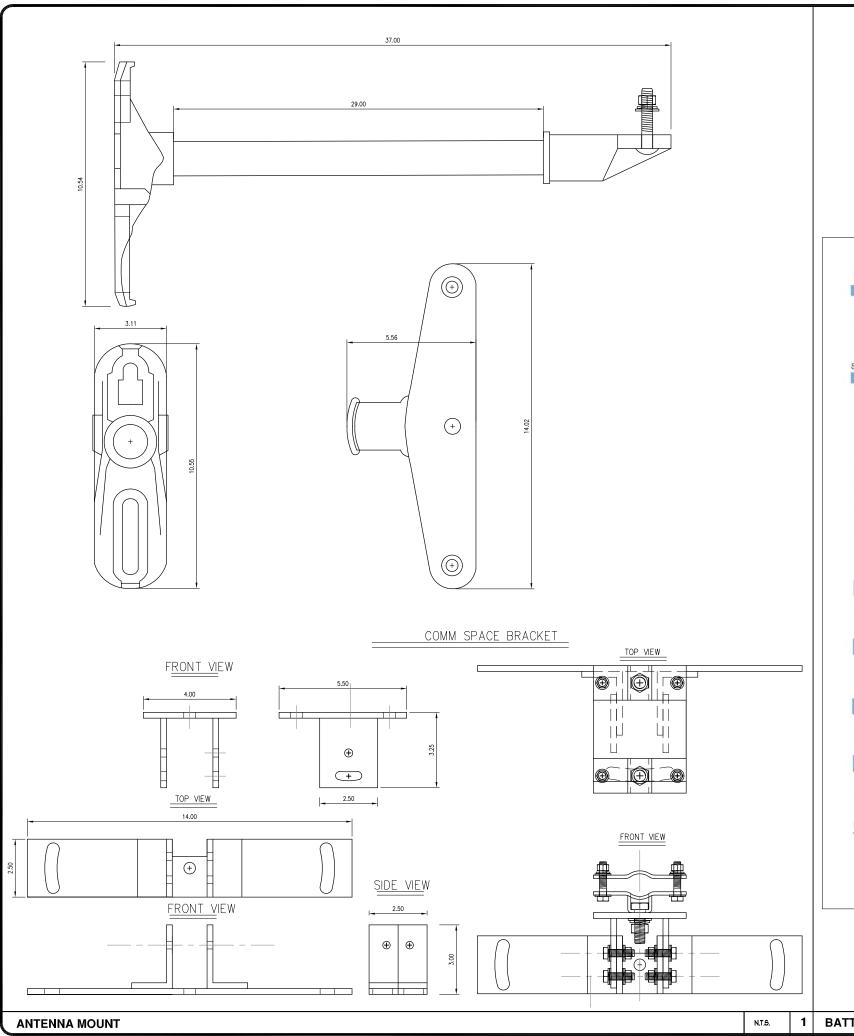
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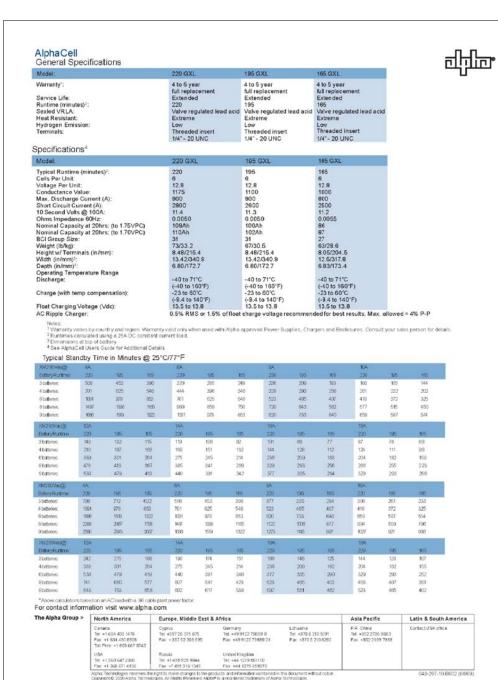
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SHEET NUMBER:

BATTERY SPECIFICATIONS

N.T.S.

- . APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE
- 3. THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.)
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED. THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED. IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT.
- 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO THE PERMIT - ISSUING AUTHORITY.
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIMSION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOAR
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

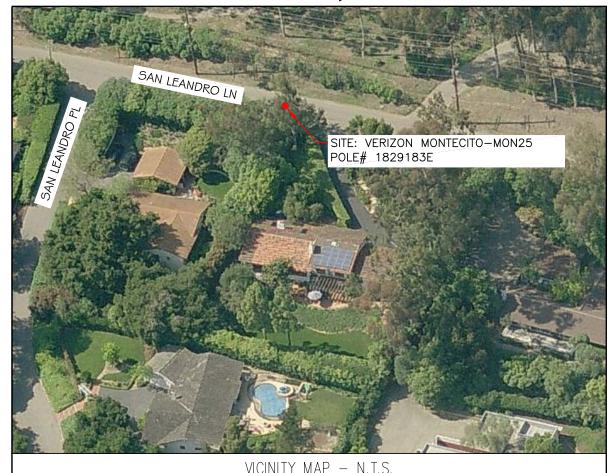
- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER
 SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- 5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS PROVISION SHALL APPL CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THI PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED



CONSTRUCTION CHANGE TABLE CHANGE EFFECTED OR ADDED SHEET NUMBERS DATE

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON25 R.O.W. SOUTH SIDE OF SAN LEANDRO LN. (ADJACENT TO 1885 SAN LEANDRO LN) SANTA BARBARA, CA 93108



GROUND BUS BAR MECH. GRND. CONN. CADWELD ELECTRIC BOX TELEPHONE BOX EXISTING SERVICE POLE SIDEWALK FLAG EX. MANHOLE	LIGHT POLE O FOUNDATION SPOT ELEV. A SET POINT REVISION DETAIL REF.	ELEVATION REF. SECTION REF. PROP./LEASE LINE MATCH LINE WORK POINT T TELE. CONDUIT CENTERLINE	E ELECT. CONDUIT A COAXIAL CABLE MYERS PEDESTAL VAULT STANDARD 2'X3' STEEL POLE
CV	MDOLC LINET	TYDES AND HATCH D	A TTEDNIC

SYMBOLS, LINETYPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF:

- 1. (2) OMNI DIRECTIONAL ANTENNAS ON EXISTING UTILITY POLE
- 2. EQUIPMENT PEDESTAL W/ BBU, ion AND ELECTRICAL METER AT

TITLE SHEET T-1 - SHEET 1 OF 7 SITE PLAN - SHEET 2 OF 7 PROPOSED ELEVATIONS A-3 - SHEET 4 OF 7 GRADING PLAN D-1 - SHEET 5 OF 7

D-2 - SHEET 6 OF

SHEET INDEX:

DETAILS

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
- WORKING DAY WHEN RAIN IS IMMINENT. 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE
- 15 THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTORER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

FROSION/SEDIMENT CONTROL MEASURES.

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS			
ASPHALT CUT	-		
DIRT TRENCH	-		
PUNCH THRU	-		
BORE	-		
TOTAL	=		
R&R SWF TOTAL	_		

PROJECT DICTIONARY

R.O.W. SOUTH SIDE OF SAN LEANDRO LN. (ADJACENT TO 1885 SAN LEANDRO LN) SANTA BARBARA, CA 93108

CROWN CASTLE NG WEST, INC 2125 WRIGHT AVE, SUITE #C9 LA VERNE, CA 91750 CONTACT: HEIDI PAYNE

PHONE: (949) 300-9493 CIVIL ENGINEER:

CONNELL DESIGN GROUP, LLC 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

REVISION DESCRIPTION: DATE/BY: ISSUED FOR 03/19/2013 REVIEW FXC___ISSUED FOR 03/25/2013 FINAL FXC ISSUED FOR 11/05/2013 FINAL FXC ISSUED FOR 01/08/2014 FINAL FXC ISSUED FOR 03/08/2014 FINAL

ENGINEER/CONSULTANT:



CLIENT:

(949) 753-8807 OFFICE - (949) 753-8833 FAX



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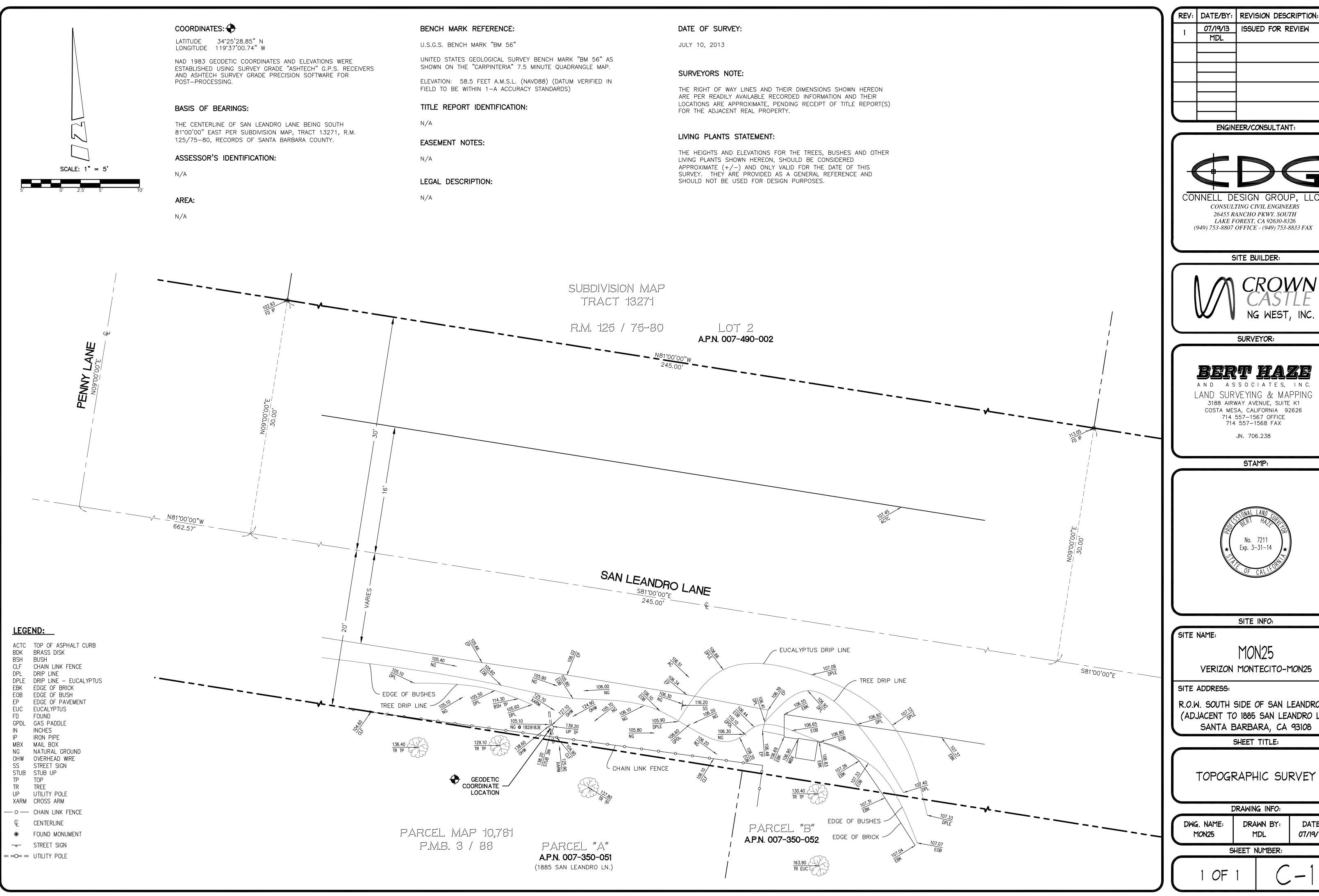
MON25 VERIZON MONTECITO-MON25

SITE ADDRESS: THOMAS BROS PAGE 997 GRID B3 R.O.W. SOUTH SIDE OF SAN LEANDRO LN. (ADJACENT TO 1885 SAN LEANDRO LN) SANTA BARBARA, CA 93108 LAT: 34.42476 LONG: -119.61687

SHEET TITLE:

TITLE SHEET

DRAWING INFO:



	REV:	DATE/BY:	REVISION DESCRIPTION:
	1	07/19/13 MDL	ISSUED FOR REVIEW



SITE BUILDER:



SURVEYOR:

AND ASSOCIATES, INC. LAND SURVEYING & MAPPING 3188 AIRWAY AVENUE, SUITE K1 COSTA MESA, CALIFORNIA 92626 714 557-1567 OFFICE 714 557-1568 FAX

JN. 706.238

STAMP:



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MON25 VERIZON MONTECITO-MON25

R.O.W. SOUTH SIDE OF SAN LEANDRO LN (ADJACENT TO 1885 SAN LEANDRO LN.) SANTA BARBARA, CA 93108

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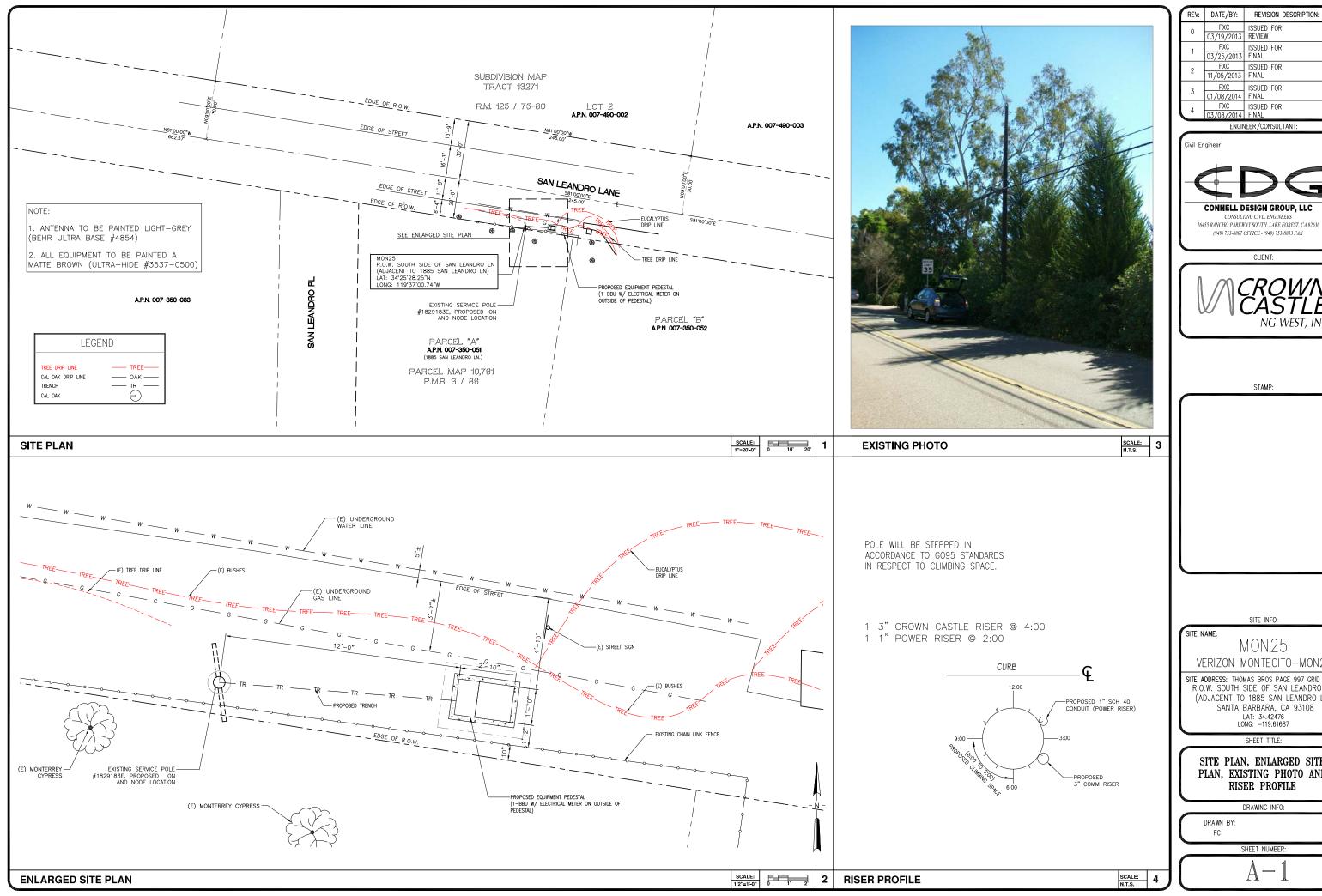
TOPOGRAPHIC SURVEY

DRAWING	INFO

MON25	MDL	07/19/13
DWG. NAME:	DRAWN BY:	DATE:

SHEET NUMBER:

OF



1	REV:	DATE/BY:	REVISION DESCRIPTION:
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l	4	FXC	ISSUED FOR



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CONSULTING CIVIL ENGINEERS



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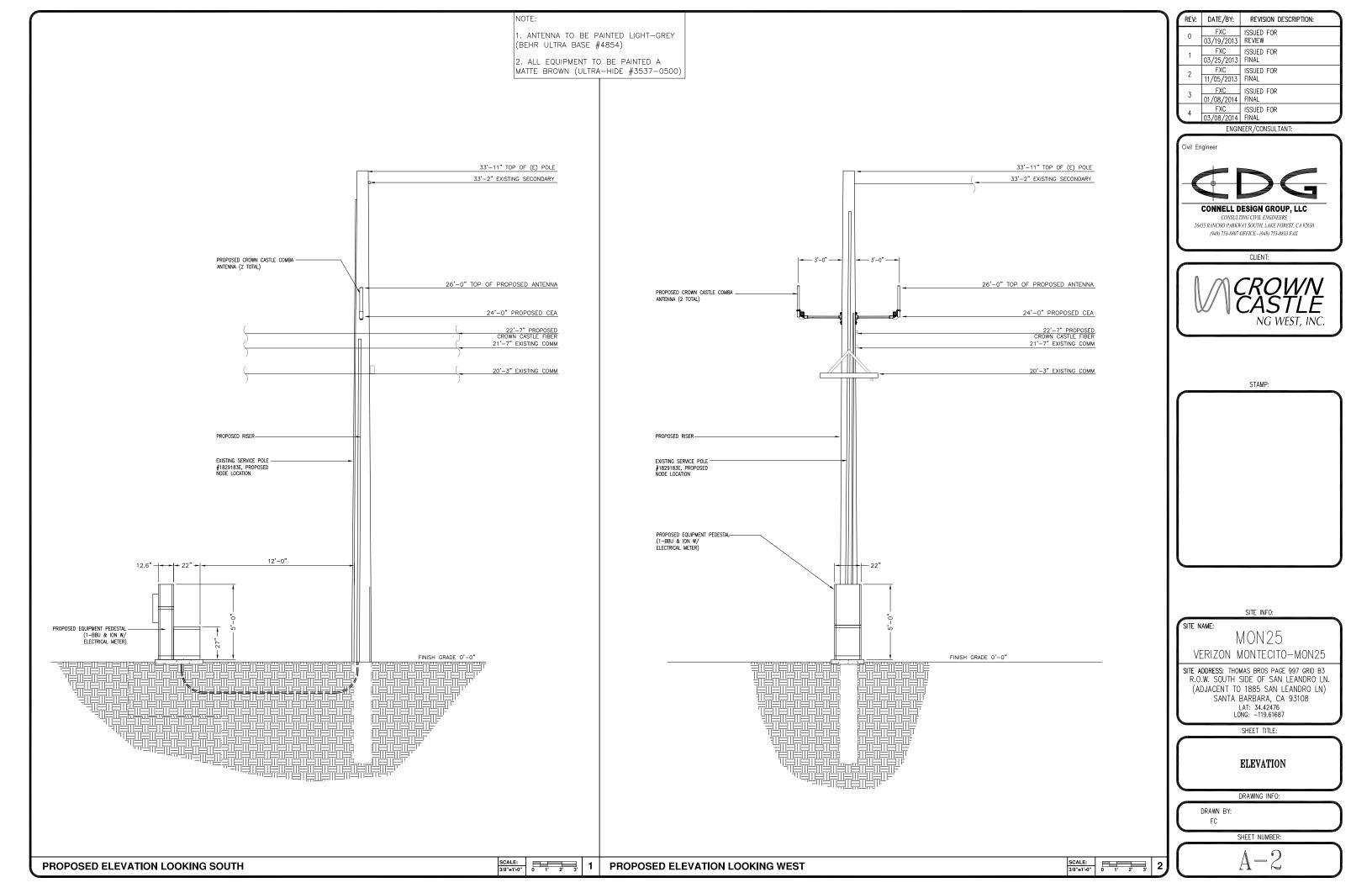
SHEET TITLE:

SITE PLAN, ENLARGED SITE PLAN, EXISTING PHOTO AND RISER PROFILE

DRAWING INFO:

FC





GRADING CALCULATION

CONCRETE PAD:

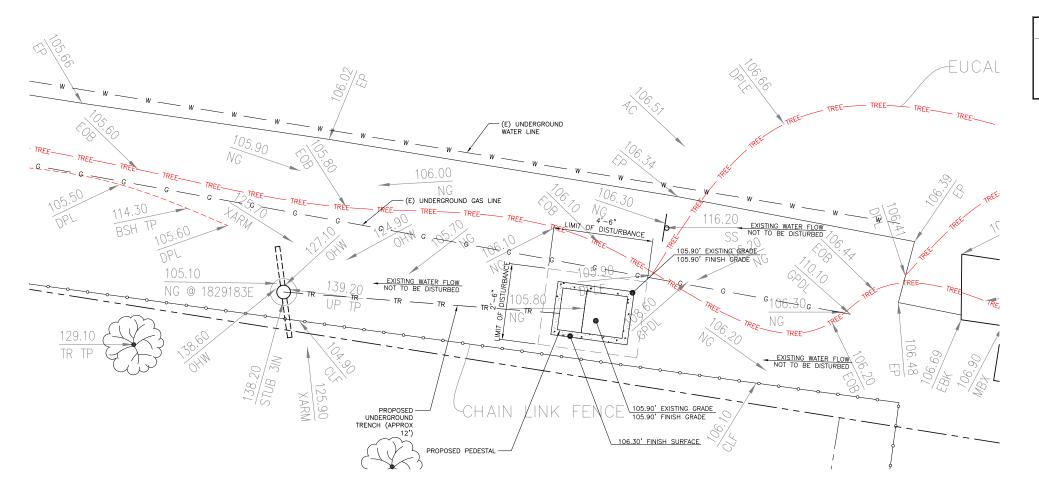
4.375 CF

NO CUT AND FILL REQUIRED

12'Lx3'Dx.5'W TRENCH: 18.00 CF

TOTAL:

22.375 CF



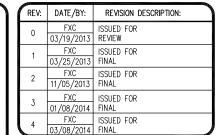


LEGEND: ACTC TOP OF ASPHALT CURB
BDK BRASS DISK
BSH BUSH
CLF CHAIN LINK FENCE
DPL DRIP LINE
DPLE DRIP LINE
DPLE DRIP LINE
EBK EDGE OF BRICK
EOB EDGE OF BUSH
EP EDGE OF PAVEMENT
EUC EUCALYPTUS
FD FOUND
GPDL GAS PADDLE
IN INCHES
IP IRON PIPE
MBX MAIL BOX
NG NATURAL GROUND
OHW OVERHEAD WIRE
SS STREET SIGN
STUB STUB UP
IP TOP
TR TREE
UP UTILITY POLE
XARM
CROSS ARM

© CENTERLINE

● FOUND MONUMENT → STREET SIGN

==O= = UTILITY POLE



ENGINEER/CONSULTANT:

Civil Engineer CONNELL DESIGN GROUP, LLC

> CONSULTING CIVIL ENGINEERS 26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

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SHEET TITLE:

GRADING PLAN

DRAWING INFO:

FC

SHEET NUMBER:

- N -

GRADING PLAN

SCALE: 1

Outdoor Omni-directional Antenna

COMBA

2.4"ø

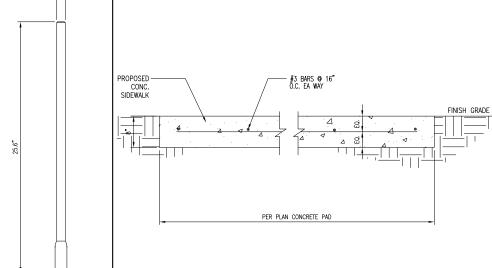
OOA-360V06N0-3 VPol, 696-960/1710-2170MHz, 360°, 4.0/6.0 dBi

Technical Specifications

requency Range	MHz	696-960	1 <i>7</i> 10–21.
Polarization		V	'ertical
Gain	dBi	4.0±1	6.0±1
Iorizontal Beamwidth	deg		360
/ertical Beamwidth	deg	22-53	20-26
Tectrical Downtilt-Fixed	deg		0
/SWR			1.8
1aximum Power	W		200
mpedance			50
ightning Protection		Dire	ect Ground

Mechanical

Dimensions, HxDia 650x60 (25.6x2.4) Weight, with Mounting kit 1 (2.2) Fiberglass, Light Grey Radome Material and Color Radiating Element Material Copper Connector Type and Location Operational Temperature N-Female, Bottom -55 to +70 95 Operational Humidity 200 (124) 670x100x100 (26.4x3.9x3.9) 1.2 (2.65) Operational Wind Speed km/h (mph) Shipping Dimensions HxWxD mm (in) Shipping Weight



1 | CONCRETE PAD **ANTENNA SPECIFICATIONS** N.T.S. N.T.S.

Electrical

Power Supply Mains power, Vac	 115 or 230
Power consumption, Watts	 1100 max. < 750 @ normal operation
700 MHz SISO/MIMO	

Frequency range, MHz

698 to 716/776 to 787 728 to 757

Output power per carrier*, dBm

Number of Carriers	1	2	4	8
LIE	43	40**	37	34

850 MHz

Frequency range, MHz	
	Uplink

824 to 849 Output power per carrier*, dBm 37 37 43 CDMA 37 37

20W for Cell, PCS bands and 700MHz MIMO

Output power per carrier*, dBm CDMA LTE



ION-M7P/7P/85P/19P

Noise figure, dB

4.5 typical

1850 to 1915

1930 to 1995

Mechanical****

1900 MHz

Frequency range, MHz

Height, width, depth, mm (in) . 817 x 245 x 218 $(32.2 \times 9.6 \times 8.6)$ Weight, kg (lb)

Page 1, February 27, 2013 Company Confidential

NATIVE DIRT 3" DUCT

* TRENCH TO BE BACK FILL WITH NATIVE MATERIAL & COMPACTED TO 90% OR BETTER & REPLACE LANDSCAPING IN KIND.

MMOE - Telecom Multi Mount Outdoor Enclosure



- > Compact enclosure design provides ideal fit for locations where aesthetics are important
- > Light-weight powder coated aluminum construction offers superior corrosion resistant properties
- > Large sun shield, reduces solar heat loading inside the cabinet
- > 180° stainless steel piano-hinged door (with two locking open positions) make installation and maintenance easy and convenient
- > Thermostat controlled filtered fan cooling and louvered vents ensure reliable operation in high temperature environments
- > Various mounting options (including pole mount) make this highly versatile in space constrained mobile broadband applications

Alpha's Multi Mount Outdoor Enclosure (MMOE) - Telecom, is a cost-effective and versatile enclosure ideal for space constrained locations. The Multi Mount can be pole, host, wall or pedestal mounted and can accommodate Airpha's EXM UPS and up to four Airpha's EXXIL or 195 GXIL front terminal batteries. With a small form factor, the Multi Mount is the perfect choice for locations where confined space necessitate oreative installation options.



N.T.S.

Alpha Multi Mount Outdoor Enclosure - Telecom

Dimensions:	
mm	687H × 659W × 467D
Inches:	27H x 22W x 18D
Weight:	27.2kg (60lbs)
Construction:	High strength corrosion resistant aluminum
Finish:	Powder coated white color
Equipment space:	EIA standard 19°, 6RU space with one
	bottery sheff
Cable entrance:	Bottom of enclosure: 1 x 5" diameter
	knock-out
	(216" trade size) 4 x 1.126" diameter knock-out.
	(W trace cice)
Hinge type:	Stainless steel plano hinge
Door prop:	Aluminum rod, 2 looking open positions
Door latch:	Belloore 216 compression look with padlock
	pracket
HVAC Specifica	tions
2010/01/01	

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ENGINEER / CONSULTANT:

Civil Engineer CONNELL DESIGN GROUP, LLC

> 26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

CONSULTING CIVIL ENGINEERS



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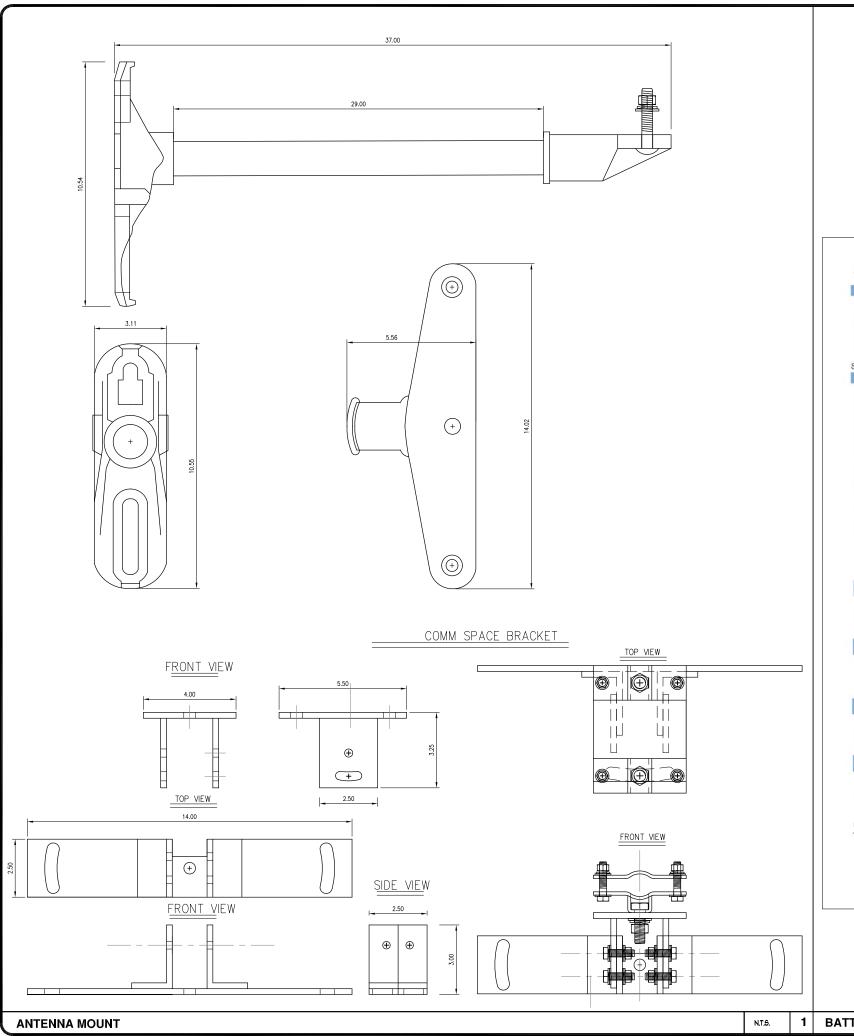
DETAILS

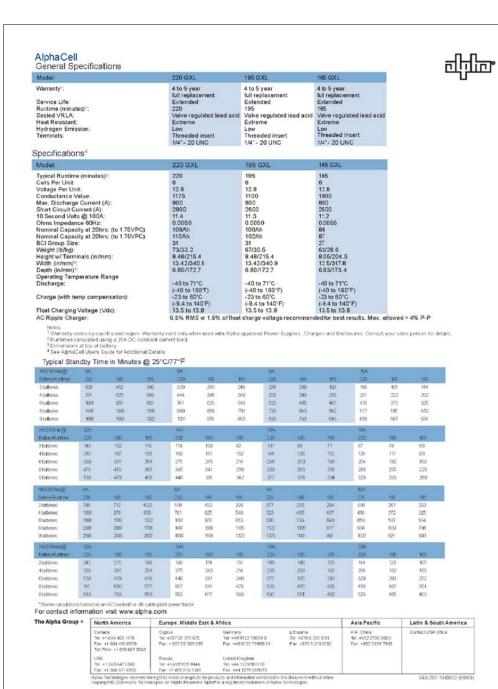
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SHEET NUMBER:

TRENCH ION-M7P/7P/85P/19P N.T.S.

PEDESTAL SPECIFICATIONS





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Civil Engineer



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SHEET TITLE:

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BATTERY SPECIFICATIONS

N.T.S.

SITE NAME:

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MON25
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SHEET TITLE:

DETAILS

DRAWING INFO:

DRAWN B FC

SHEET NUMBER:

n n

PEDESTAL DETAIL

N.T.S.

- . APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE
- 3, THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL. STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.)
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED. THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED. IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT. 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO THI
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIMSION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOAR
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER
 SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS PROVISION SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT



CHANGE

DATE

CONSTRUCTION CHANGE TABLE EFFECTED OR ADDED SHEET NUMBERS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

GROUND BUS BAR

CADWELD

EXISTING SERVENT SIDEWALK FLA

ELECTRIC BOX

TELEPHONE BOX

SIDEWALK FLAG

EXISTING SERVICE POLE

MECH. GRND. CONN

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

- PROJECT CONSISTS OF INSTALLATION OF
- 1. (2) OMNI DIRECTIONAL ANTENNAS ON EXISTING UTILITY POLE

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON26

R.O.W. NORTH SIDE OF JAMESON LN

(ADJACENT TO 1424 LA VERDA LN)

SANTA BARBARA, CA 93108

SITE: VERIZON MONTECITO-MON26

VICINITY MAP - N.T.S.

ELEVATION REF.

SECTION REF.

-- — PROP./LEASE LINE

MATCH LINE

— WORK POINT

- T - TELF. CONDUIT

— — CENTERLINE

SYMBOLS, LINETYPES AND HATCH PATTERNS

POLE# 1015773E

∴ LIGHT POLE

O FOUNDATION

▲ SET POINT

(x) DETAIL REF.

A REVISION

SPOT ELEV.

LA VERDA LN

- 2. EQUIPMENT VAULT AT BASE OF EXISTING POLE
- 3. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF

CHEET INDEX

— E — ELECT. CONDUIT

MYERS PEDESTAL

VAULT STANDARD 2'X3'

STEEL POLE

ЭП		INDEX:	
TITLE SHEET		T-1 - SHEET 1 OF 7	
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GRADING PLAN		A-3 - SHEET 4 OF 7	
DETAILS		D-1 - SHEET 5 OF 7	
DETAILS		D-2 - SHEET 6 OF 7	
DETAILS		D-3 - SHEET 7 OF 7	

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT. 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE
- AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
- 15 THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTORER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS	
ASPHALT CUT	-
DIRT TRENCH	-
PUNCH THRU	-
BORE	-
TOTAL	=
R&R SWF TOTAL	-

PROJECT DICTIONARY

R.O.W. NORTH SIDE OF JAMESON LN SITE ADDRESS: (ADJACENT TO 1424 LA VERDA LN) SANTA BARBARA, CA 93108

APPLICANT: CROWN CASTLE NG WEST, INC 2125 WRIGHT AVE, SUITE #C9 LA VERNE, CA 91750 CONTACT: HEIDI PAYNE

PHONE: (949) 300-9493 CIVIL ENGINEER:

CONNELL DESIGN GROUP, LLC 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

REVISION DESCRIPTION: DATE /RY-ISSUED FOR 03/19/2013 REVIEW FXC ISSUED FOR 03/25/2013 FINAL ISSUED FOR 09/09/2013 FINAL FXC ISSUED FOR 11/06/2013 FINAL FXC ISSUED FOR 13 /08 /2014 FINAL

ENGINEER/CONSULTANT:



CLIENT:

(949) 753-8807 OFFICE - (949) 753-8833 FAX



STAMP

SITE INFO:

MON26

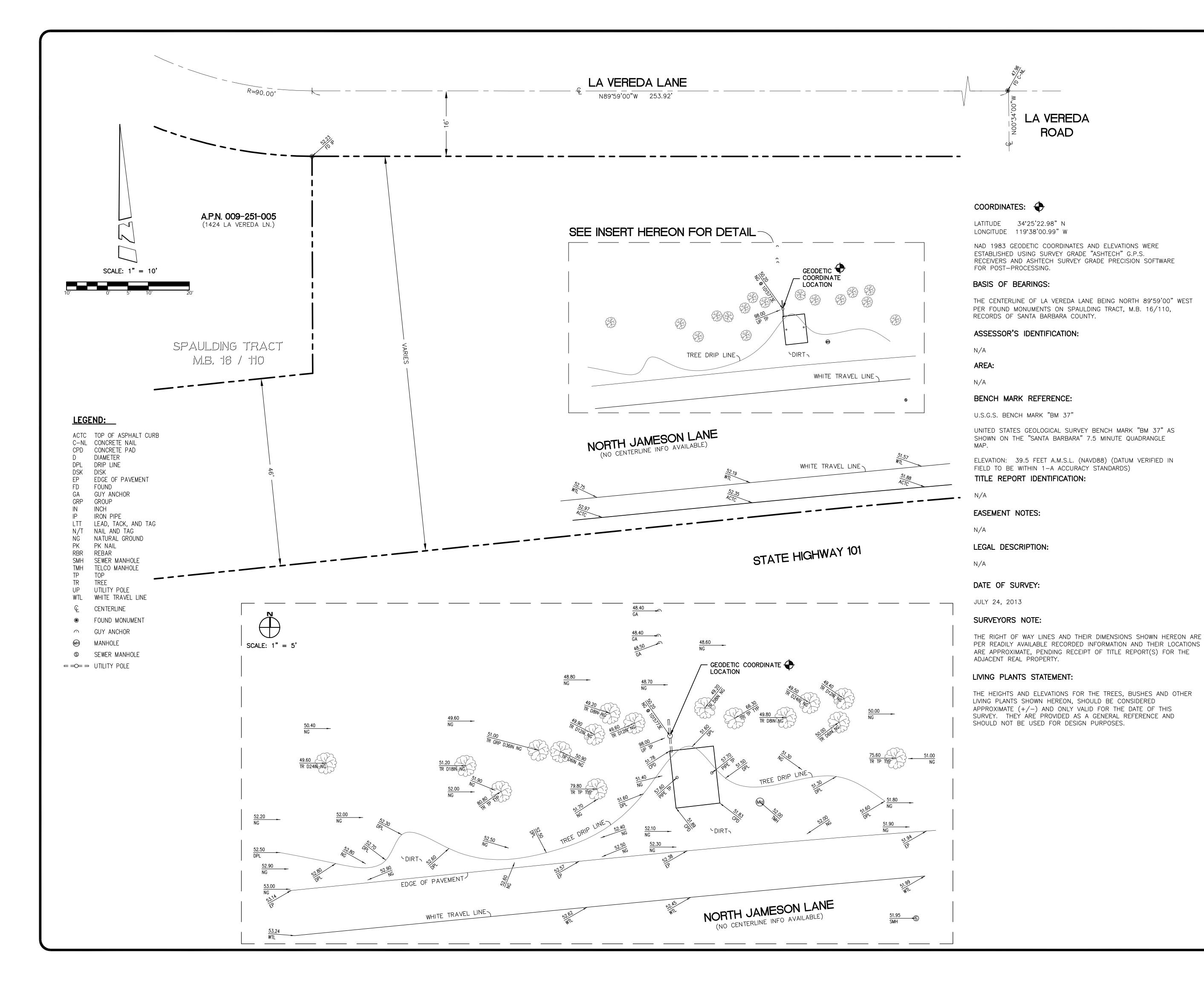
VERIZON MONTECITO-MON26

SITE ADDRESS: THOMAS BROS PAGE 997 GRID A4 R.O.W. NORTH SIDE OF JAMESON LN (ADJACENT TO 1424 LA VERDA LN) SANTA BARBARA, CA 93108 LAT: 34.42296 LONG: -119.63371

SHEET TITLE:

TITLE SHEET

DRAWING INFO:



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SITE BUILDER:

26455 RANCHO PKWY. SOUTH

LAKE FOREST, CA 92630-8326

(949) 753-8807 OFFICE - (949) 753-8833 FAX



SURVEYOR:

BERT HAZE

AND ASSOCIATES, INC.

LAND SURVEYING & MAPPING

3188 AIRWAY AVENUE, SUITE K1

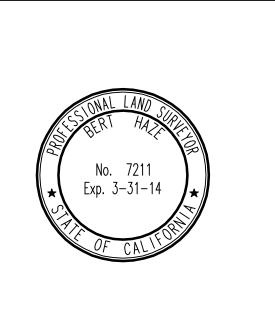
COSTA MESA, CALIFORNIA 92626

714 557-1567 OFFICE

714 557-1568 FAX

JN. 706.239

STAMP:



SITE INFO:

SITE NAME:

MON26 VERIZON MONTECITO-MON 26

SITE ADDRESS:

R.O.W. NORTH SIDE OF N. JAMESON LN (ADJACENT TO 1424 LA VEREDA LN) SANTA BARBARA, CA 93108

SHEET TITLE:

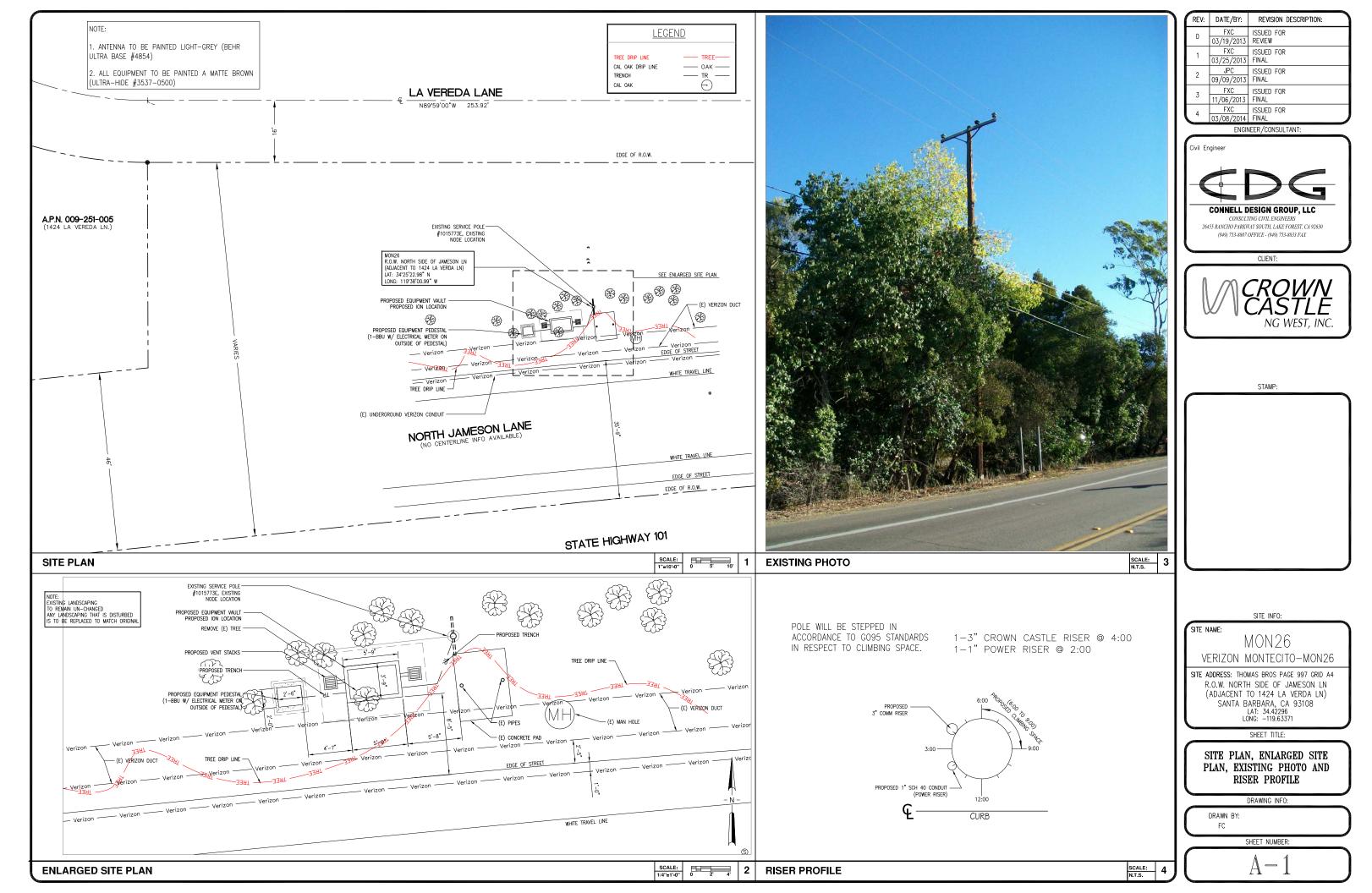
TOPOGRAPHIC SURVEY

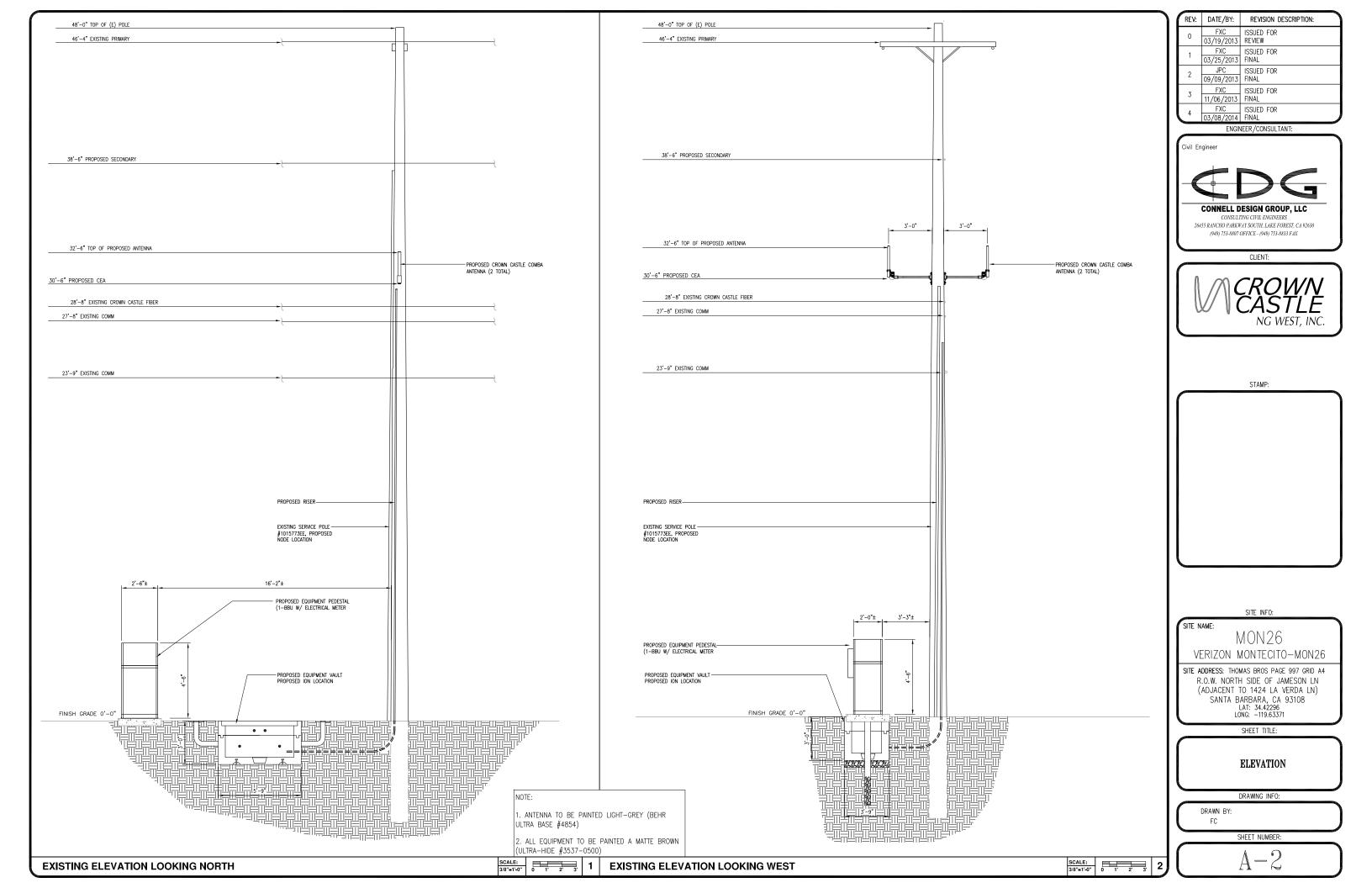
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MON 26	MDL	08/02/13

SHEET NUMBER:

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NO CUT AND FILL REQUIRED

GRADING CALCULATION

CONCRETE PAD:

2.997 CF

VAULT:

66.9375 CF

22.5 CF

TOTAL:

15'Lx3'Dx.5'W TRENCH:

92.4345 CF



CLIENT:

CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS 26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

REV: DATE/BY: REVISION DESCRIPTION: ISSUED FOR

03/19/2013 REVIEW

FXC ISSUED FOR 03/25/2013 FINAL JPC ISSUED FOR 09/09/2013 FINAL

FXC ISSUED FOR 11/06/2013 FINAL FXC ISSUED FOR 03/08/2014 FINAL

Civil Engineer

ENGINEER/CONSULTANT:



SITE INFO:

SITE NAME: MON26

VERIZON MONTECITO-MON26

SITE ADDRESS: THOMAS BROS PAGE 997 GRID A4 R.O.W. NORTH SIDE OF JAMESON LN (ADJACENT TO 1424 LA VERDA LN)
SANTA BARBARA, CA 93108
LAT: 34.42296
LONG: -119.63371

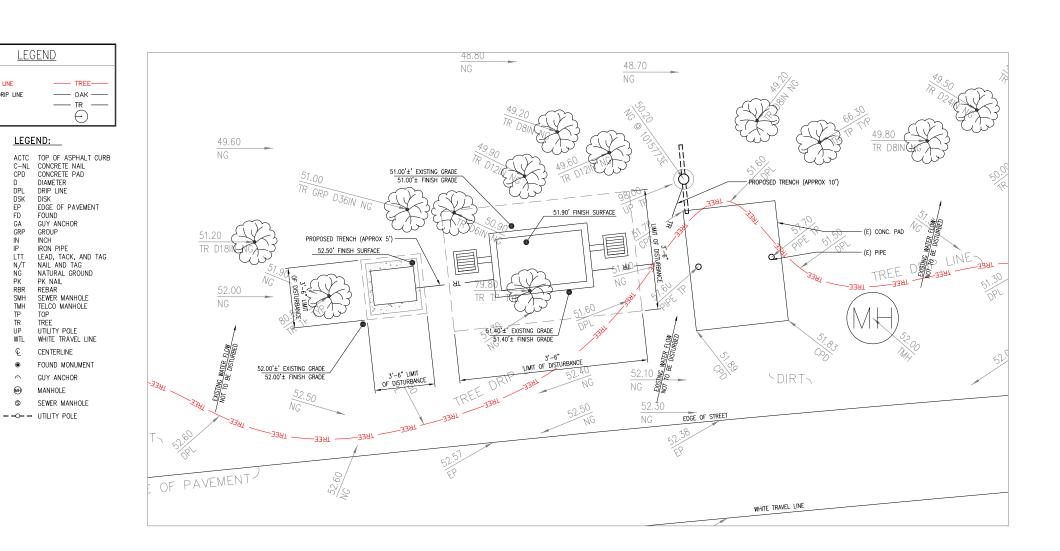
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GRADING PLAN

DRAWING INFO:

FC

SHEET NUMBER:



GRADING PLAN

LEGEND

LEGEND:

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CENTERLINE FOUND MONUMENT

GUY ANCHOR MANHOLE SEWER MANHOLE ==== UTILITY POLE

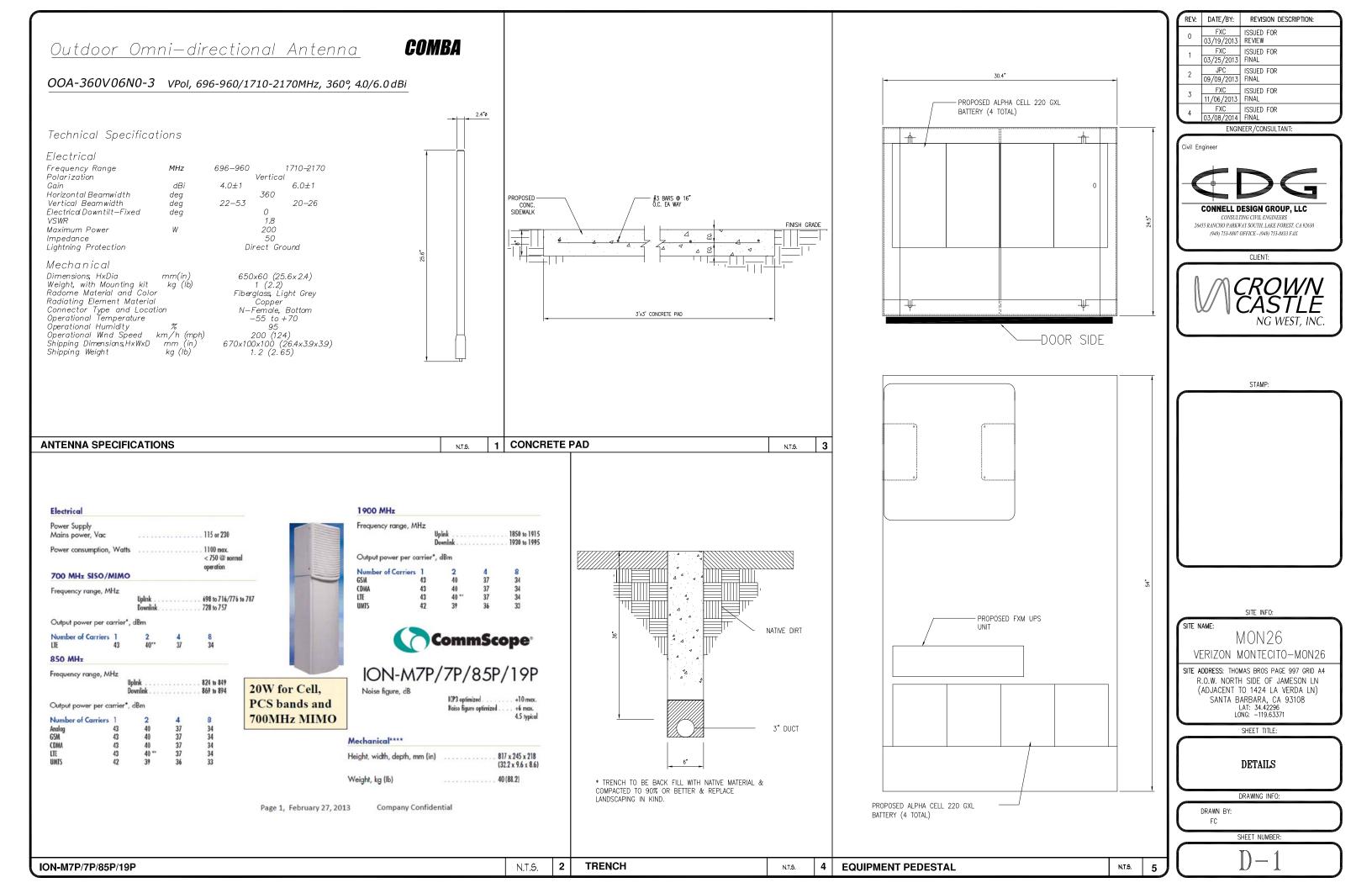
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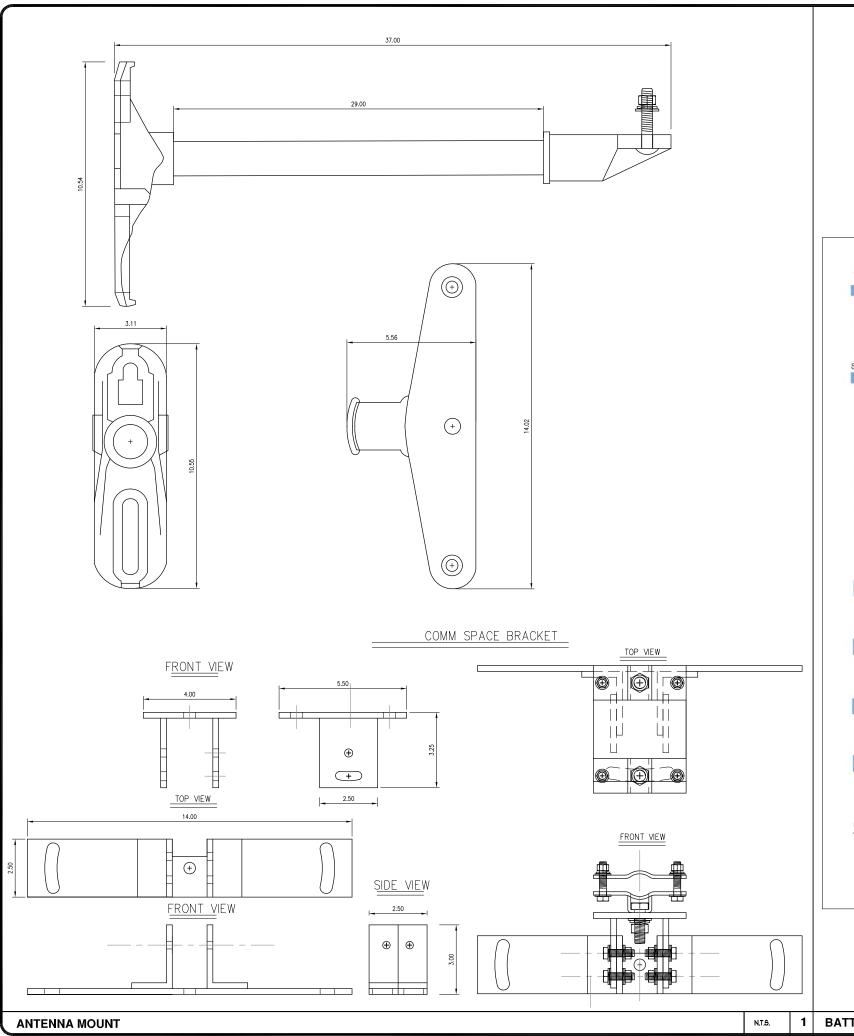
TREE DRIP LINE CAL OAK DRIP LINE

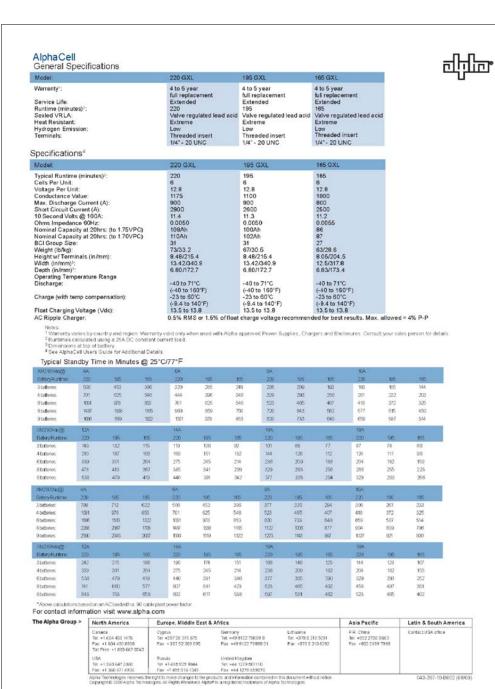
TRENCH

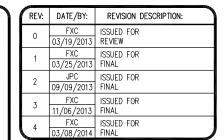
CAL OAK

SCALE: N.T.S.









Civil Engineer



(949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630



STAMP:

SITE INFO:

SITE NAME:

MON26 VERIZON MONTECITO-MON26

SITE ADDRESS: THOMAS BROS PAGE 997 GRID A4
R.O.W. NORTH SIDE OF JAMESON LN
(ADJACENT TO 1424 LA VERDA LN)
SANTA BARBARA, CA 93108
LAT: 34.42296
LONG: -119.63371

SHEET TITLE:

DETAILS

DRAWING INFO:

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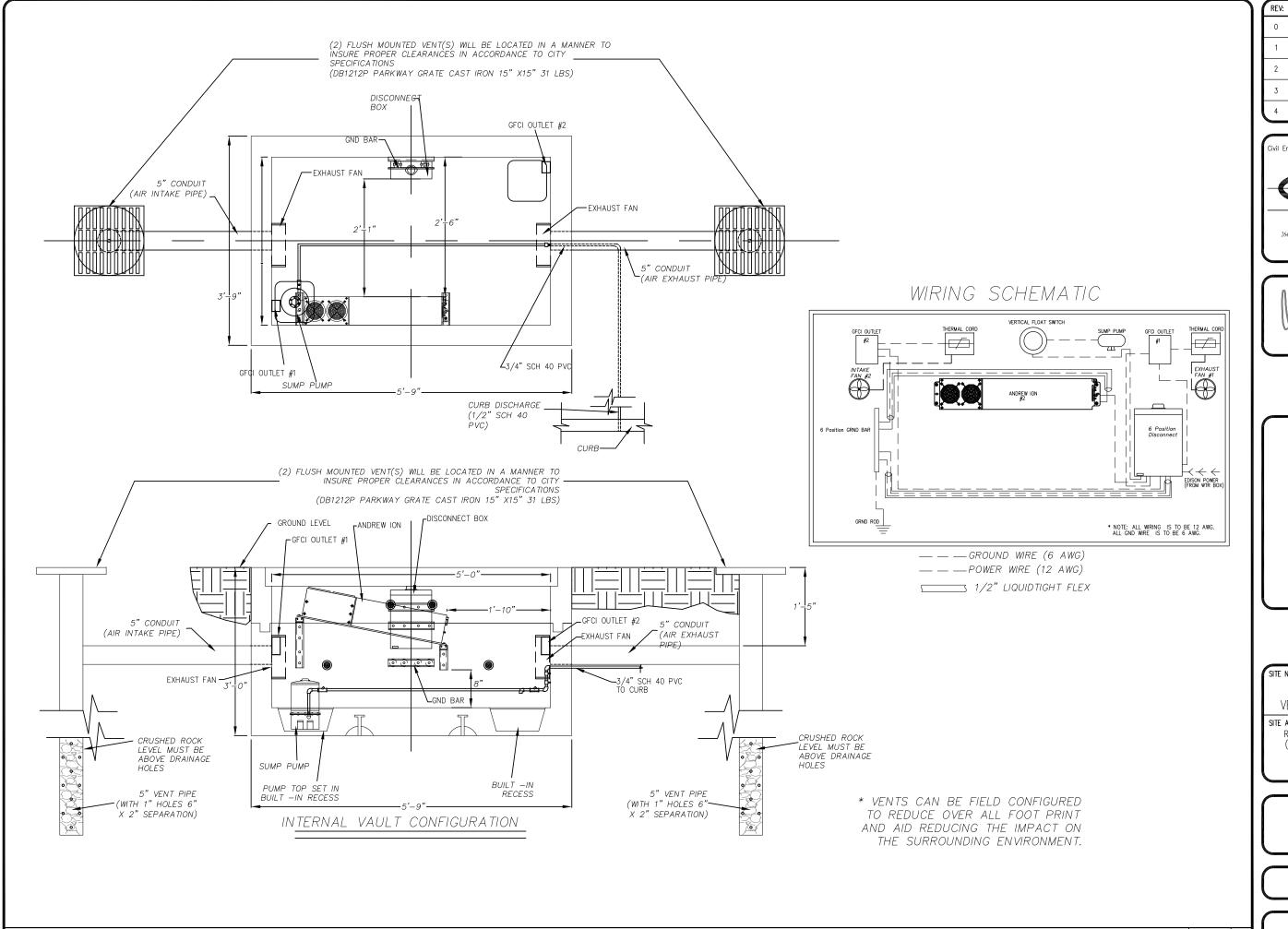
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D-2

BATTERY SPECIFICATIONS

N.T.S.

2



VAULT DETAIL

1	1	REV:	DATE/BY:	REVISION DESCRIPTION:
		0	FXC 03/19/2013	ISSUED FOR REVIEW
		1	FXC 03/25/2013	ISSUED FOR FINAL
		2	JPC 09/09/2013	ISSUED FOR FINAL
		3	FXC 11/06/2013	ISSUED FOR FINAL
		4	FXC	ISSUED FOR

ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:



STAMP:

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MON26 VERIZON MONTECITO-MON26

SITE ADDRESS: THOMAS BROS PAGE 997 GRID A4 R.O.W. NORTH SIDE OF JAMESON LN (ADJACENT TO 1424 LA VERDA LN) SANTA BARBARA, CA 93108 LAT: 34.42296 LONG: -119.63371

SHEET TITLE:

DETAILS

DRAWING INFO:

FC

SHEET NUMBER:

N.T.S.

- I. APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE
- 3. THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.)
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY FARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIES, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT. 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO THE PERMIT - ISSUING AUTHORITY.
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIVISION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16 CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOAR
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS PROVISION SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT

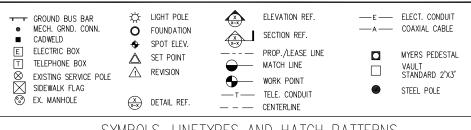


CONSTRUCTION CHANGE TABLE CHANGE DATE EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON27 R.O.W. NORTH SIDE OF JAMESON LN (ADJACENT TO 1333 SANTA CLARA WAY) SANTA BARBARA, CA 93103





SYMBOLS, LINETYPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF

- . (2) OMNI DIRECTIONAL ANTENNAS ON EXISTING UTILITY POLE
- 2 FOLLIPMENT VALUET AT RASE OF EXISTING POLE
- 3. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF

SHEET INDEX:

T-1 - SHEET 1 OF 8 TOPOGRAPHIC SURVEY C-1 - SHEET 2 OF 8 SITE PLAN - SHEET 3 OF 8 - SHEET 4 OF 8 PROPOSED ELEVATIONS SHEET 5 OF 8 GRADING PLAN DETAILS. D-1 - SHEET 6 OF 8 DETAILS D-2 - SHEET 7 OF 8

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
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TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS		
ASPHALT CUT	-	
DIRT TRENCH	-	
PUNCH THRU	-	
BORE	-	
TOTAL	=	
R&R SWF TOTAL	-	

PROJECT DICTIONARY

R.O.W. NORTH SIDE OF JAMESON LN SITE ADDRESS: (ADJACENT TO 1333 SANTA CLARA WAY) SANTA BARBARA, CA 93103

APPLICANT: CROWN CASTLE NG WEST, INC 2125 WRIGHT AVE, SUITE #C9 LA VERNE, CA 91750 CONTACT: HEIDI PAYNE PHONE: (949) 300-9493

CIVIL ENGINEER:

CONNELL DESIGN GROUP, LLC 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

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2	FXC 08/02/2013	ISSUED FOR FINAL	
3	FXC 11/06/2013	ISSUED FOR FINAL	
4	FXC 03/08/2014	ISSUED FOR FINAL	4

ENGINEER/CONSULTANT:

Civil Engineer CONNELL DESIGN GROUP, LLC

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630

(949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:



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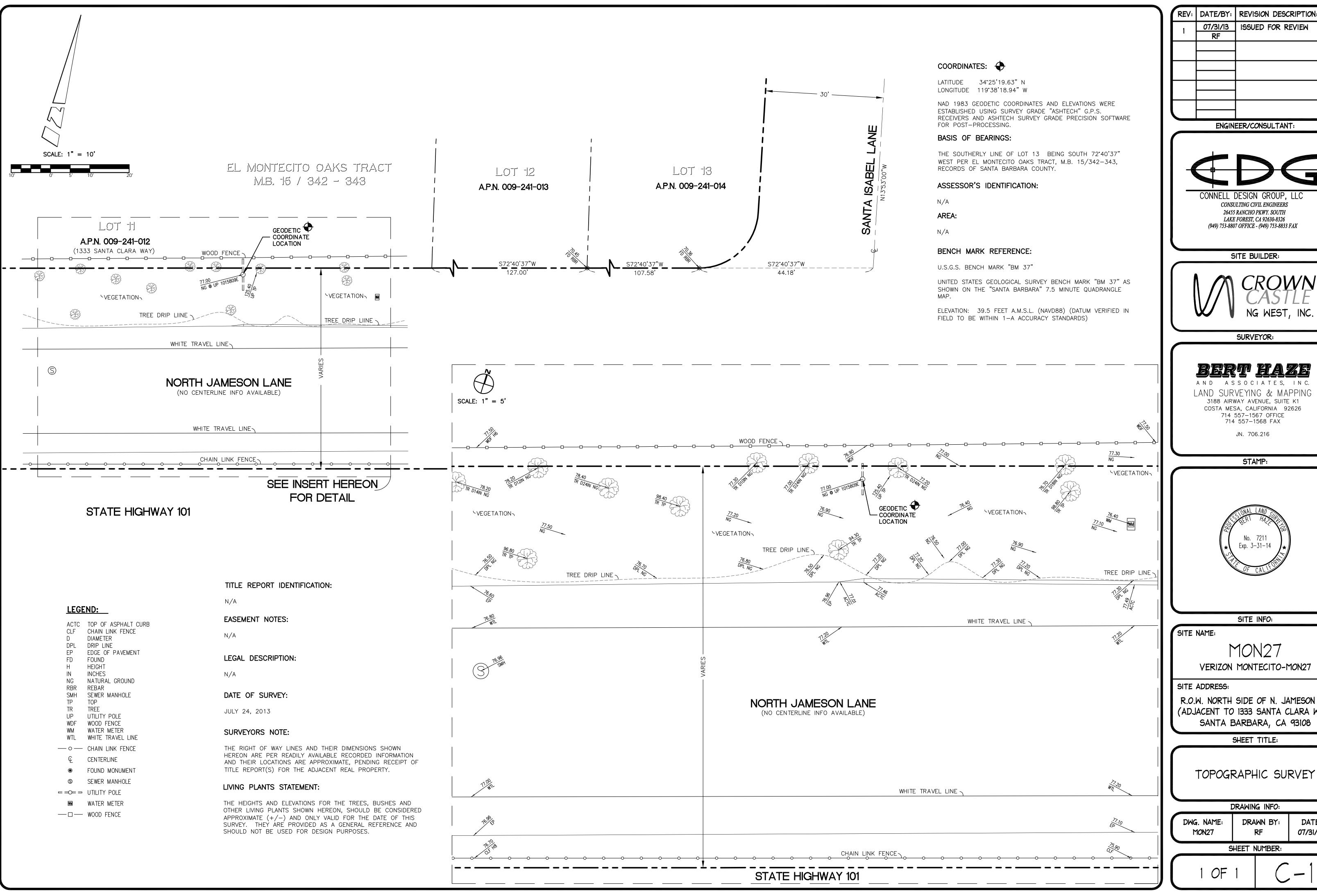
MON27 VERIZON MONTECITO-MON27

SITE ADDRESS: THOMAS BROS PAGE 996 GRID h3 R.O.W. NORTH SIDE OF JAMESON IN (ADJACENT TO 1333 SANTA CLARA WAY) SANTA BARBARA, CA 93103 LAT: 34.42211 LONG: -119.63857

SHEET TITLE:

TITLE SHEET

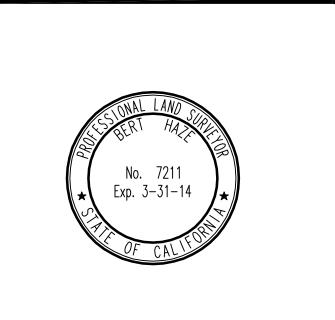
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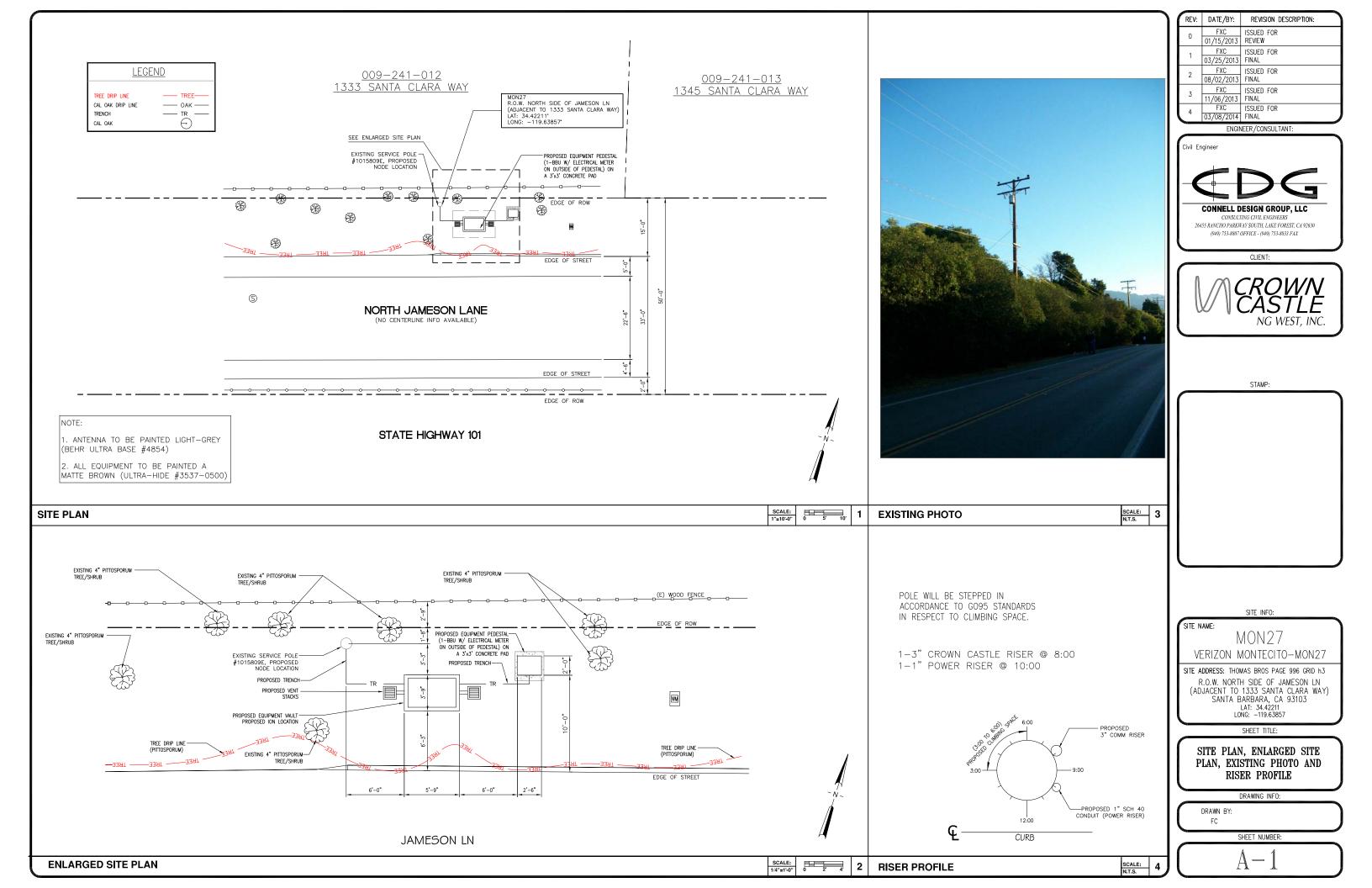


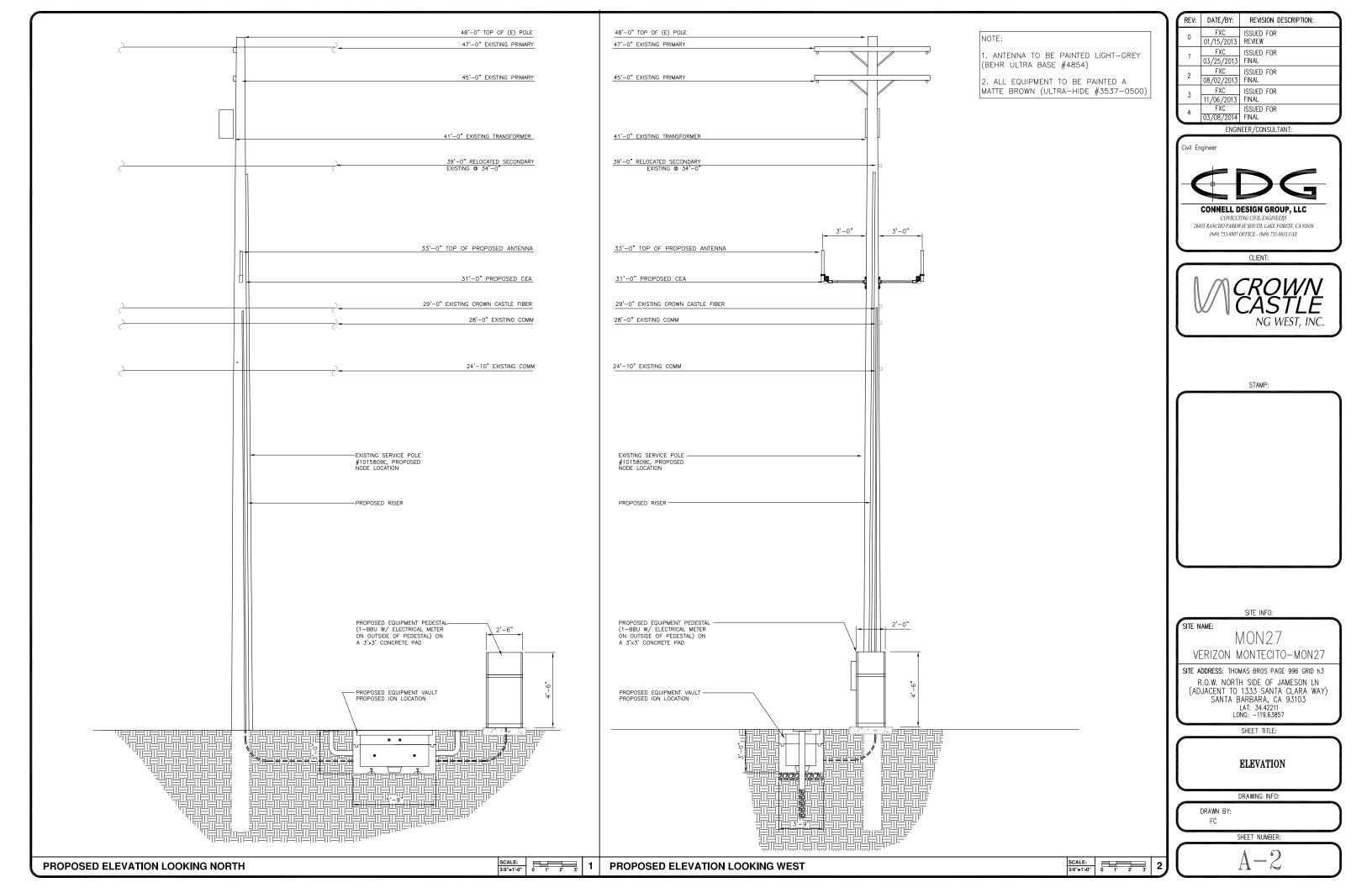


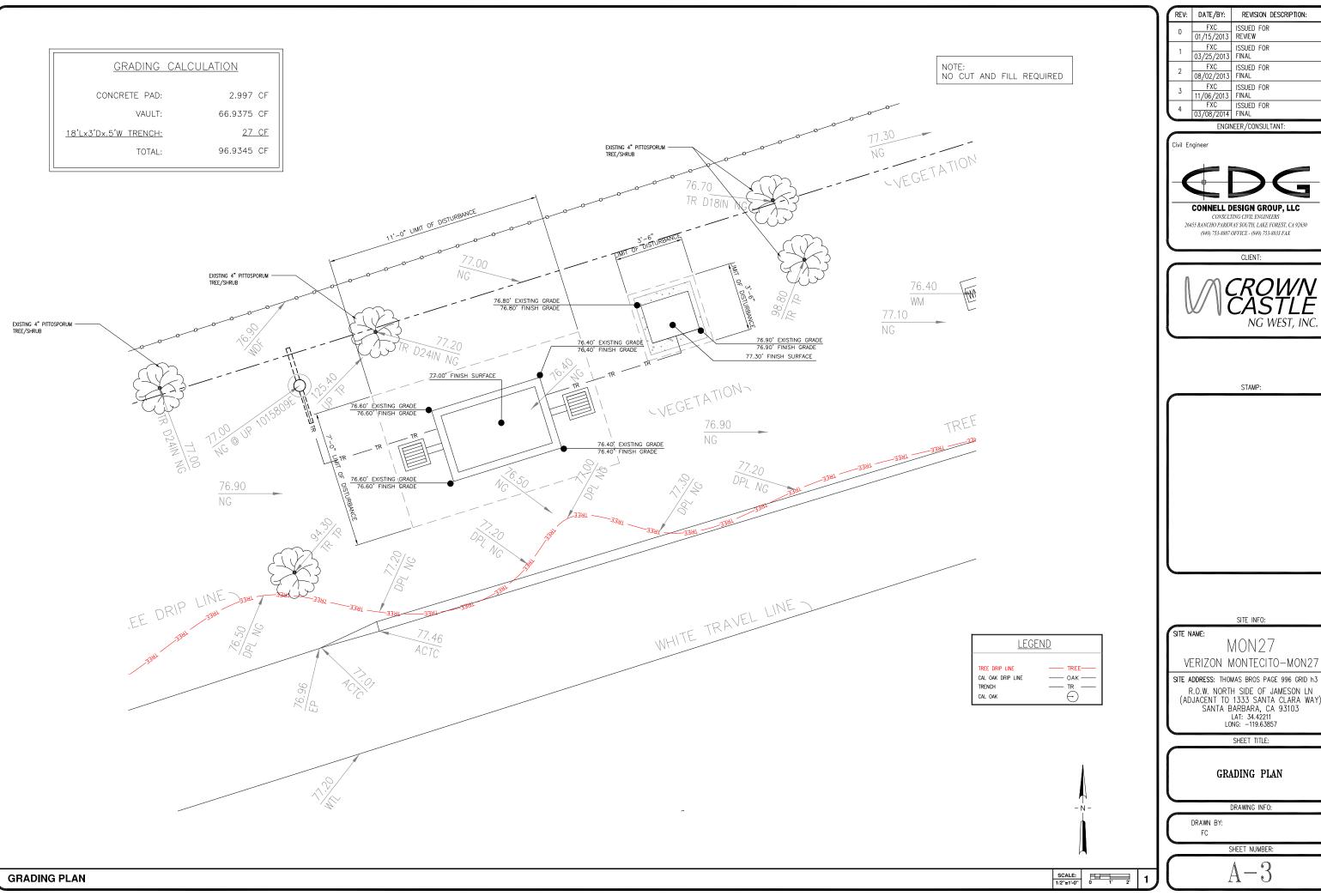


R.O.W. NORTH SIDE OF N. JAMESON LN. (ADJACENT TO 1333 SANTA CLARA WAY)

AN		
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CONNELL DESIGN GROUP, LLC



VERIZON MONTECITO-MON27

R.O.W. NORTH SIDE OF JAMESON LN (ADJACENT TO 1333 SANTA CLARA WAY) SANTA BARBARA, CA 93103 LAT: 34.42211 LONG: -119.63857

COMBA Outdoor Omni-directional Antenna OOA-360V06N0-3 VPol, 696-960/1710-2170MHz, 360°, 4.0/6.0 dBi 2.4"ø Technical Specifications Electrical Frequency Range 696-960 1710-2170 Polarization Vertical dBi 4.0±1 6.0 ± 1 Horizontal Beamwidth PROPOSED 22-53 20-26 Vertical Beamwidth SIDEWALK Electrical Downtilt-Fixed 1.8 200 VSWR Maximum Power 8. Impedance 50 Lightning Protection Direct Ground Mechanical 650x60 (25.6x2.4) Dimensions, HxDia Weight, with Mounting kit 1 (2.2) Fiberglass, Light Grey Radome Material and Color Radiating Element Material Copper Connector Type and Location Operational Temperature N-Female, Bottom 3'x3' CONCRETE PAD -55 to +70 95 Operational Humidity Operational Wind Speed km/h (mph) Shipping Dimensions, HxWxD mm (in) 200 (124) 670x100x100 (26.4x3.9x3.9) 1. 2 (2.65) Shipping Weight 1 | CONCRETE PAD **ANTENNA SPECIFICATIONS** N.T.S. N.T.S. 1900 MHz Electrical Power Supply Frequency range, MHz 1850 to 1915 Mains power, Vac 1930 to 1995 . 1100 max. Power consumption, Watts < 750 @ normal Output power per carrier*, dBm operation 700 MHz SISO/MIMO GSM Frequency range, MHz LTE 698 to 716/776 to 787 40 ** 728 to 757 Output power per carrier*, dBm NATIVE DIRT CommScope[®] 850 MHz ION-M7P/7P/85P/19P Frequency range, MHz 824 to 849 20W for Cell, Noise figure, dB 869 to 894 PCS bands and Output power per carrier*, dBm +6 max. 4.5 typical 700MHz MIMO 3" DUCT 37 37

Mechanical****

Weight, kg (lb)

Page 1, February 27, 2013 Company Confidential

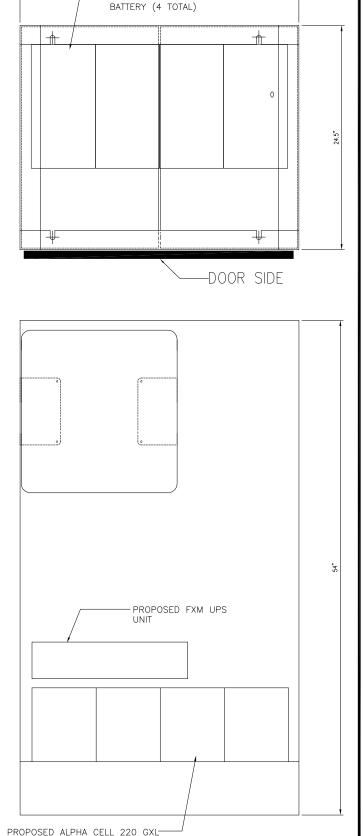
Height, width, depth, mm (in)

. 817 x 245 x 218 $(32.2 \times 9.6 \times 8.6)$

40 (88.2)

CDMA

37 36

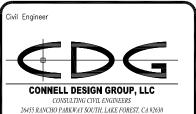


BATTERY (4 TOTAL)

-PROPOSED ALPHA CELL 220 GXL

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ENGINEER / CONSULTANT:



CLIENT:

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DETAILS

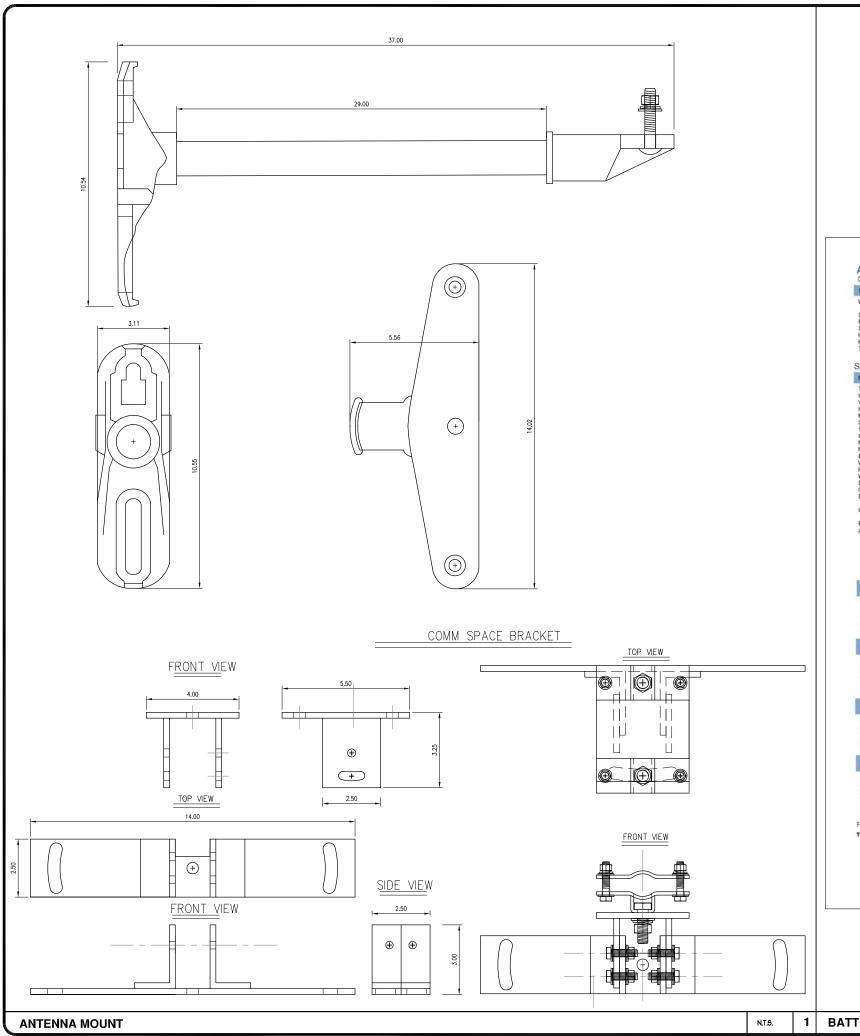
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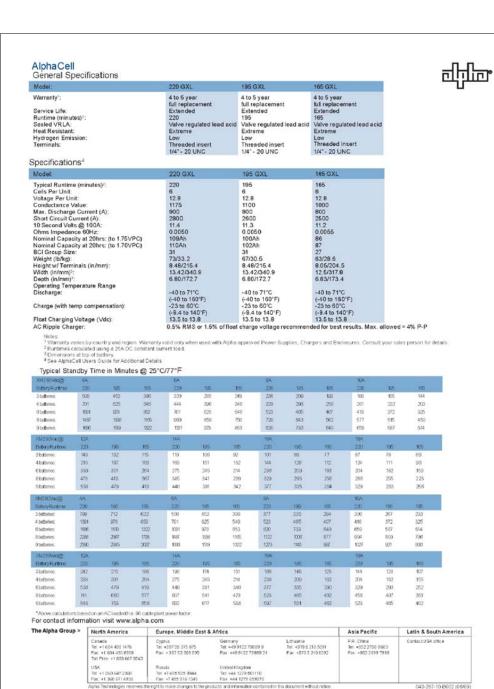
SHEET NUMBER:

N.T.S. 2 **TRENCH EQUIPMENT PEDESTAL** N.T.S. ION-M7P/7P/85P/19P

LANDSCAPING IN KIND.

* TRENCH TO BE BACK FILL WITH NATIVE MATERIAL & COMPACTED TO 90% OR BETTER & REPLACE





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Civil Engineer



26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX CLIENT:



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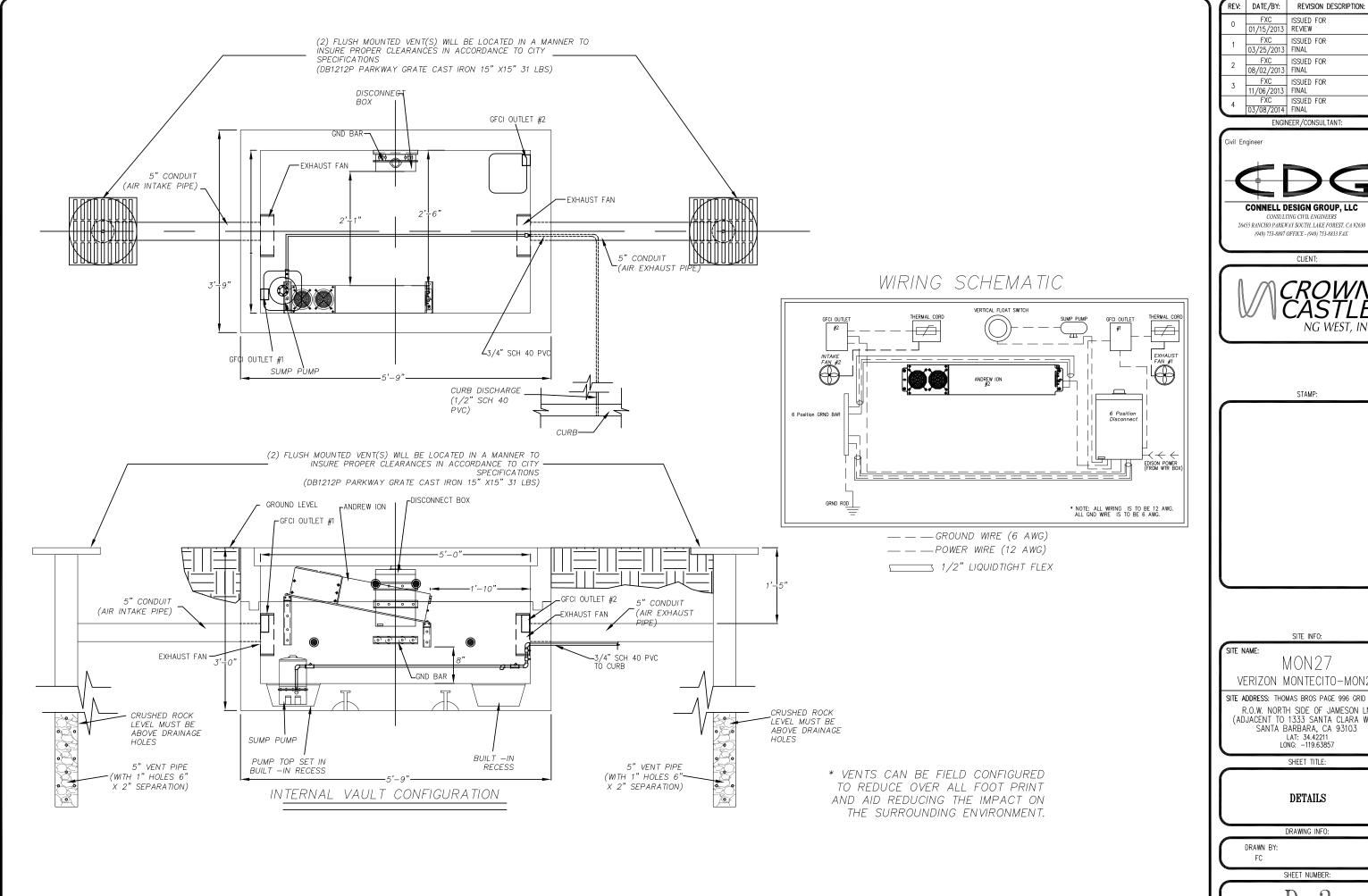
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BATTERY SPECIFICATIONS

N.T.S.



VAULT DETAIL

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> (949) 753-8807 OFFICE - (949) 753-8833 FAX CLIENT:

CONSULTING CIVIL ENGINEERS



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DETAILS

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N.T.S.

GENERAL NOTES

- I. APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED.
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE FINGINFERING DEPARTMENT
- 3. THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEBRUA, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENIMENTS THERETO (16 USC SECTION 153) ETS.EQ.).
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTHERD, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTROL OF THE CONTROL O
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT.
 12. PUBLIC IMPROVEMENT SUBJECT TO DESUFTUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO THE PERMIT ISSUING AUTHORITY.
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIVISION.
- 14. PRORE TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRUCTION, SEQUENCEMENT AND ADDRESSIFE AND THE STREET SHOULD SHOW THE STREET CONSTRUCTION, SEQUENCEMENT AND THE STREET CONSTRUCTION, SEQUENCEMENT AND THE STREET SHOW THE STREET CONSTRUCTION, SEQUENCEMENT AND THE STREET CONSTRUCTION.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES.

 THE PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD.
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO CONSTRUCTION OF NEW WORK.
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- 5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLIDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS PROVISION SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY ORDERS.
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1" MINIMUM VERTICAL CLEARANCE.
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT.

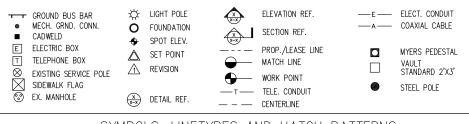


CONSTRUCTION CHANGE TABLE CHANGE DATE EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON28
R.O.W. NORTH SIDE OF JAMESON LN
(ADJACENT TO 1566 JAMESON LN)
SANTA BARBARA, CA 93108





SYMBOLS, LINETYPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- 2010 CALIFORNIA BUILDING CODE 2010 CALIFORNIA MECHANICAL CODE
- 2010 CALIFORNIA MECHANICAL CODE 2010 CALIFORNIA PLUMBING CODE 2010 CALIFORNIA FLECTRICAL CODE
- IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF:

- (2) OMNI ANTENNA ON EXISTING UTILITY POLE
- EQUIDMENT SUBQUID ON EVISTING DOLE
- 3. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF

SHEET INDEX:

TITLE SHEET	T-1 - SHEET 1 OF 8
TOPOGRAPHIC SURVEY	C-1 - SHEET 2 OF 8
SITE PLAN	A-1 - SHEET 3 OF 8
PROPOSED ELEVATIONS	A-2 - SHEET 4 OF 8
GRADING PLAN	A-3 - SHEET 5 OF 8
DETAILS	D-1 - SHEET 6 OF 8
DETAILS	D-2 - SHEET 7 OF 8
DETAILS	D-3 - SHEET 8 OF 8

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS,
SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00° FREEDOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEDOARD IS NOT PROVIDED BY GRADING SHOWN ON THESS PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER FACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL RECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
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	3	FXC 03/08/2013	ISSUED FOR FINAL

ENGINEER/CONSULTANT:

Civil Engineer

CONNELL DESIGN GROUP, LLC

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630

(949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:



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TE NAME:

MON28 VERIZON MONTECITO-MON28

SITE ADDRESS: THOMAS BROS PAGE 997 GRID A3 R.O.W. NORTH SIDE OF JAMESON LN (ADJACENT TO 1566 JAMESON LN) SANTA BARBARA, CA 93108 LAT: 34.42170 LONG: -119.62838

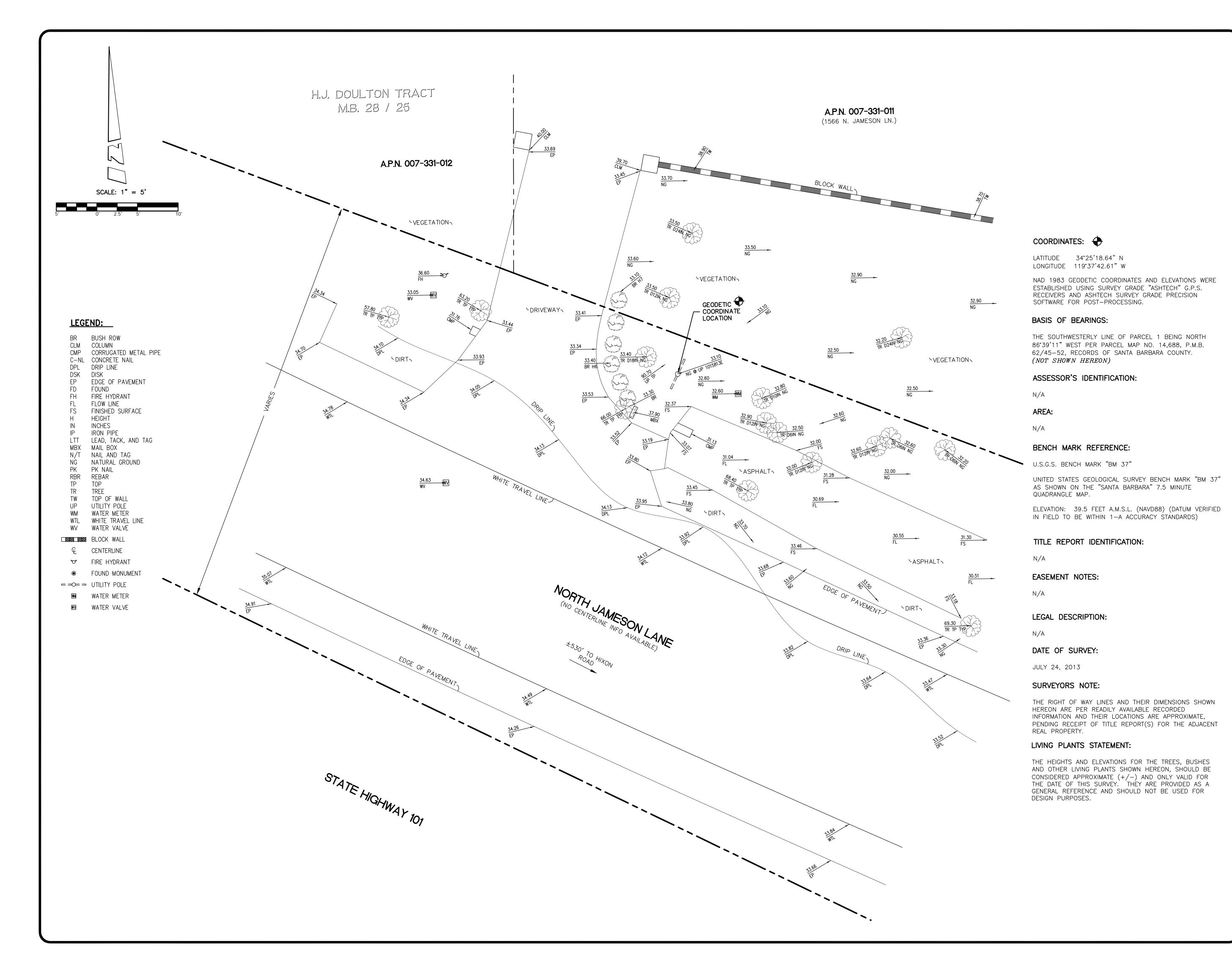
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SITE BUILDER:

LAKE FOREST, CA 92630-8326 (949) 753-8807 OFFICE - (949) 753-8833 FAX



SURVEYOR:

Beru Haze

AND ASSOCIATES, INC.

LAND SURVEYING & MAPPING

3188 AIRWAY AVENUE, SUITE K1

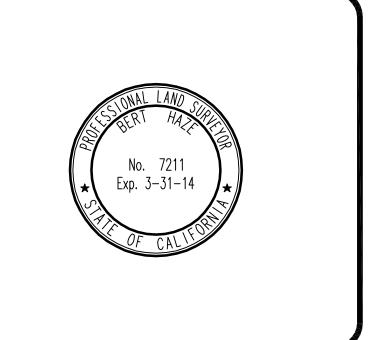
COSTA MESA, CALIFORNIA 92626

714 557-1567 OFFICE

714 557-1568 FAX

JN. 706.240

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MON28 VERIZON MONTECITO-MON28

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R.O.W. NORTH SIDE OF N. JAMESON LN (ADJACENT TO 1566 N. JAMESON LN) SANTA BARBARA, CA 93108

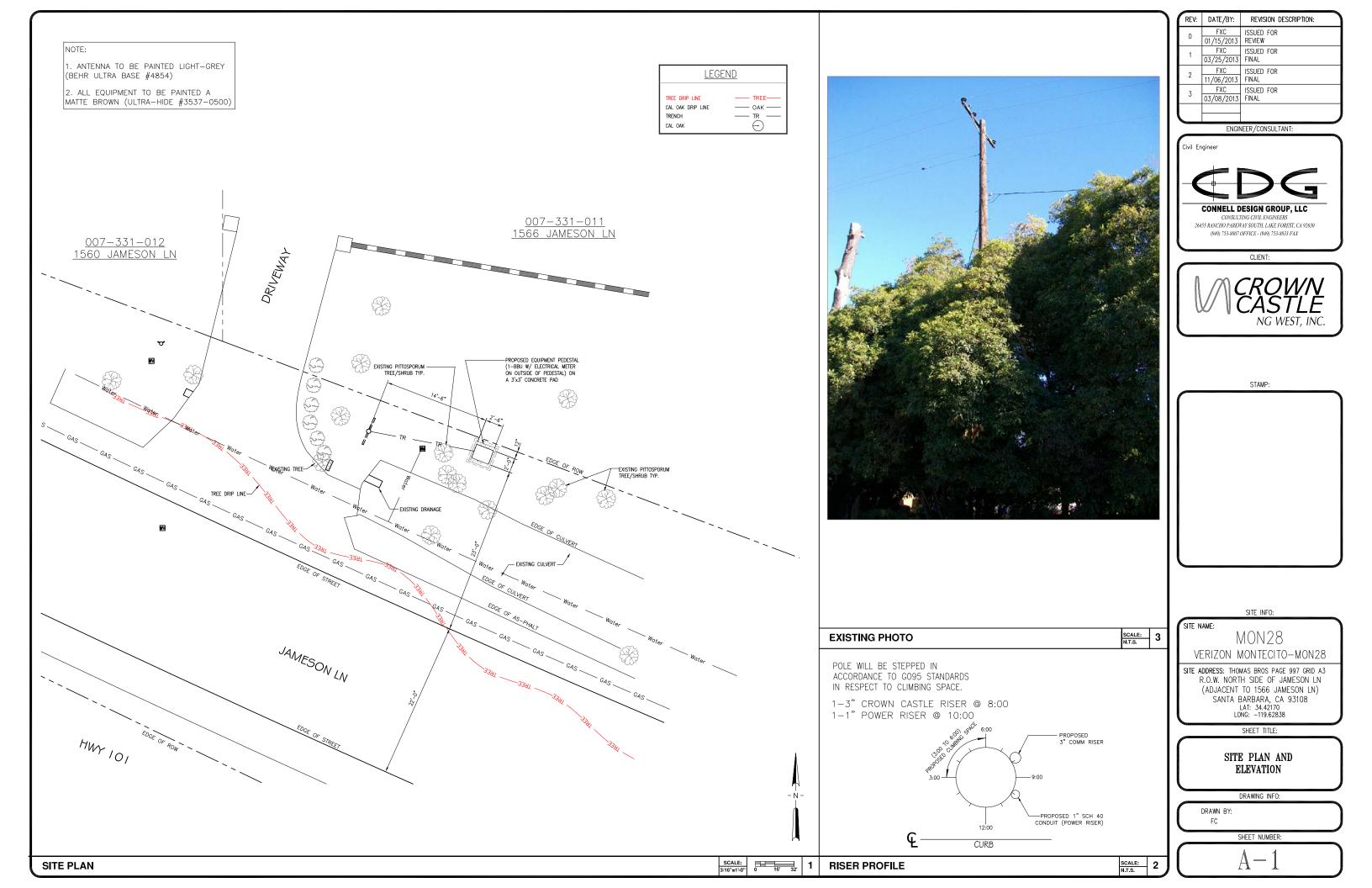
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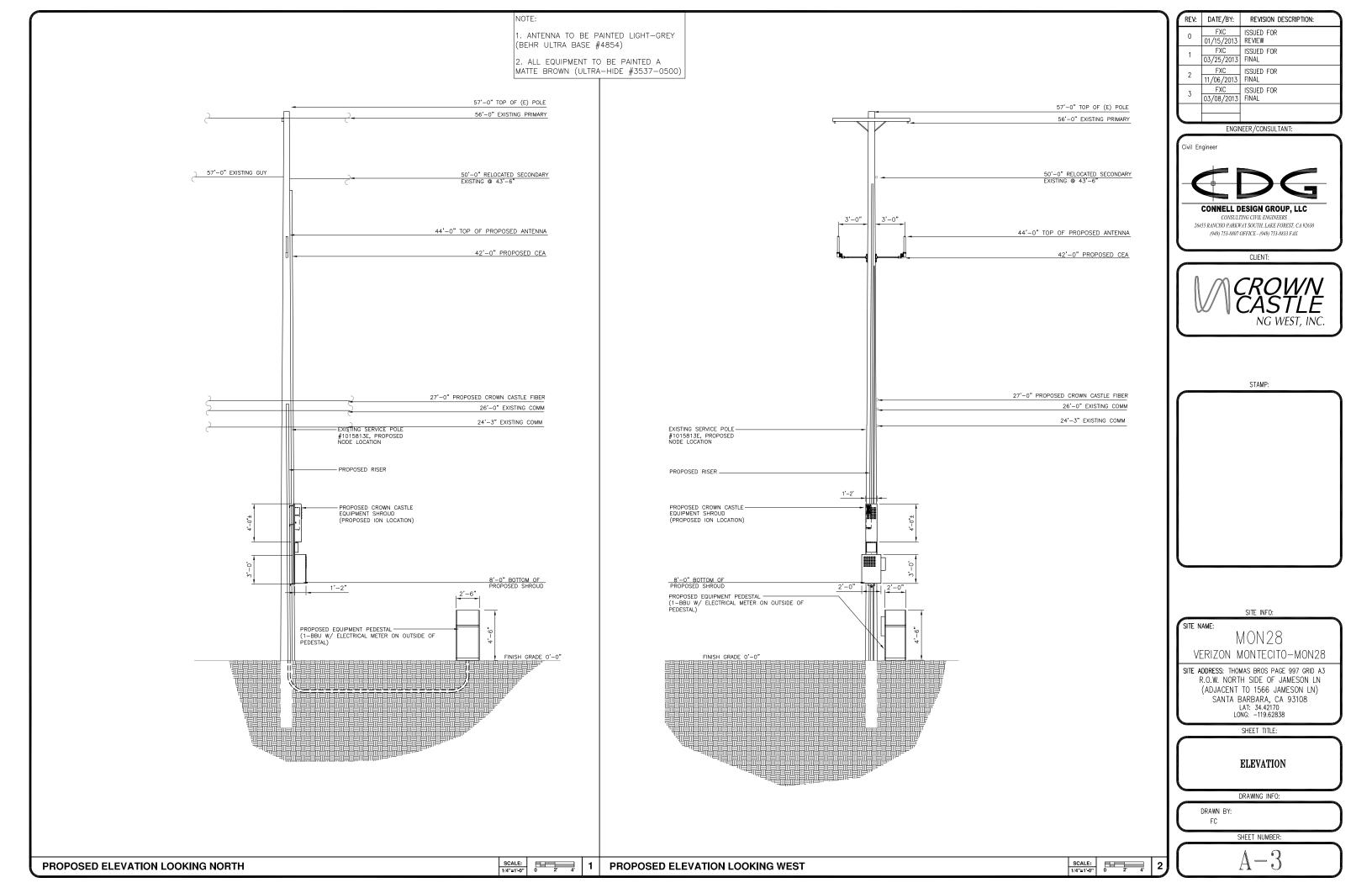
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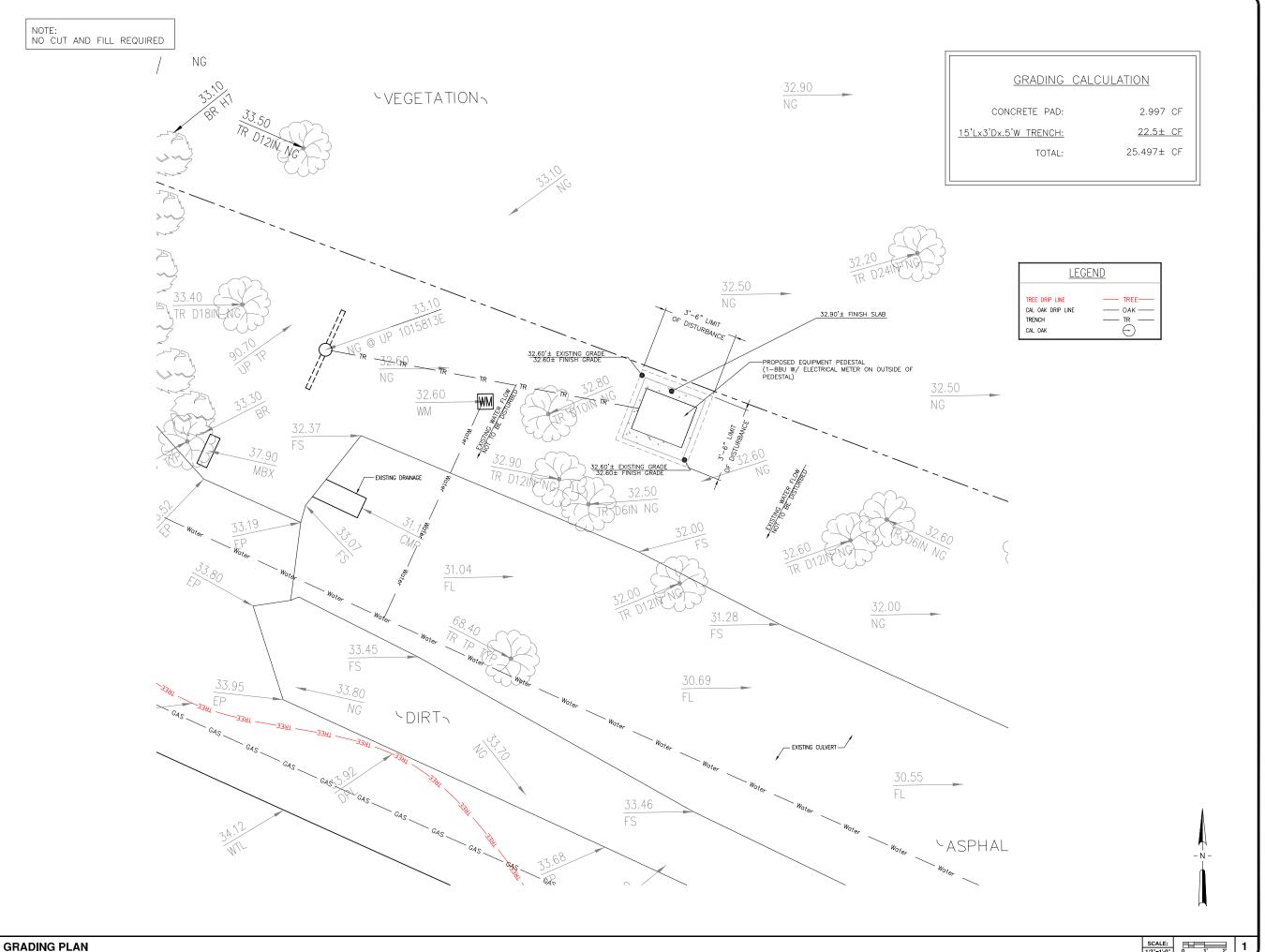
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CLIENT:

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX



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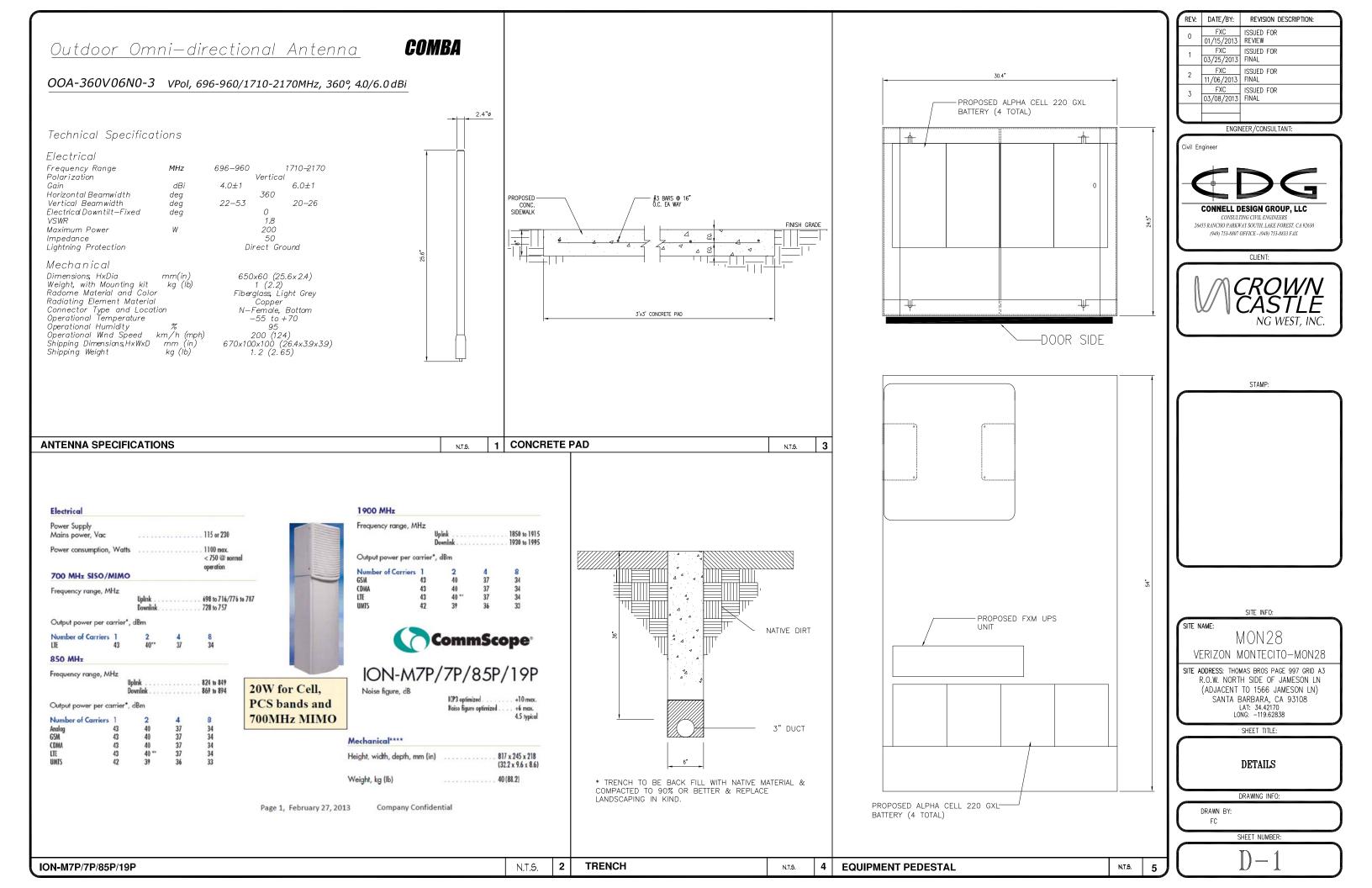
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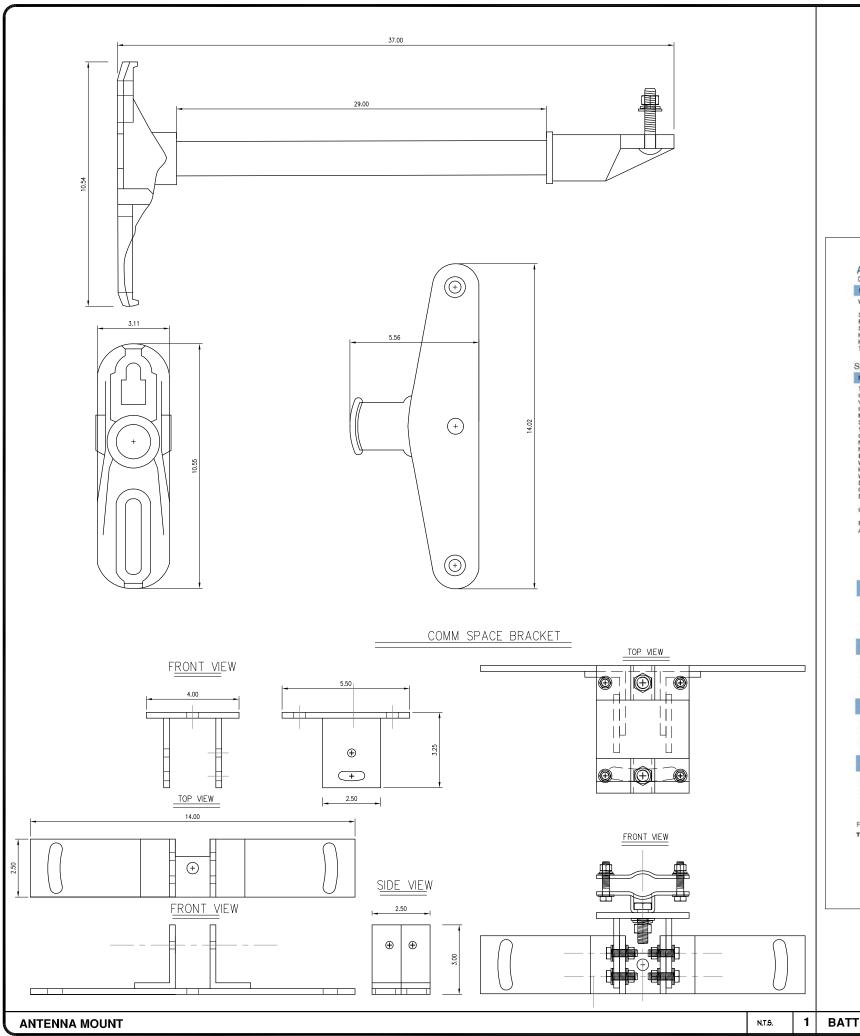
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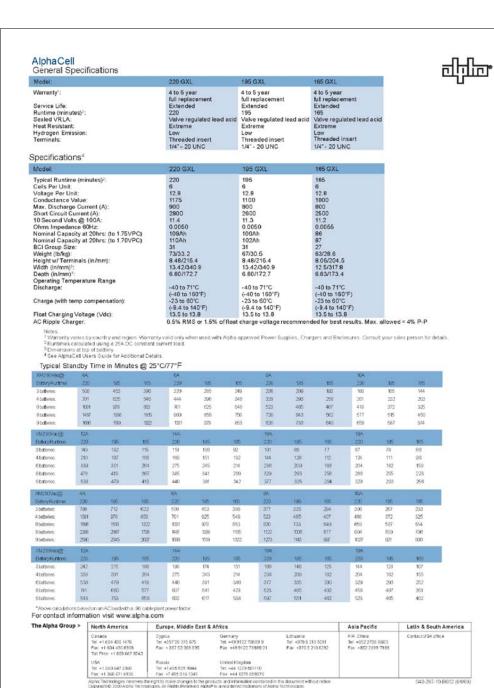
GRADING PLAN

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Civil Engineer



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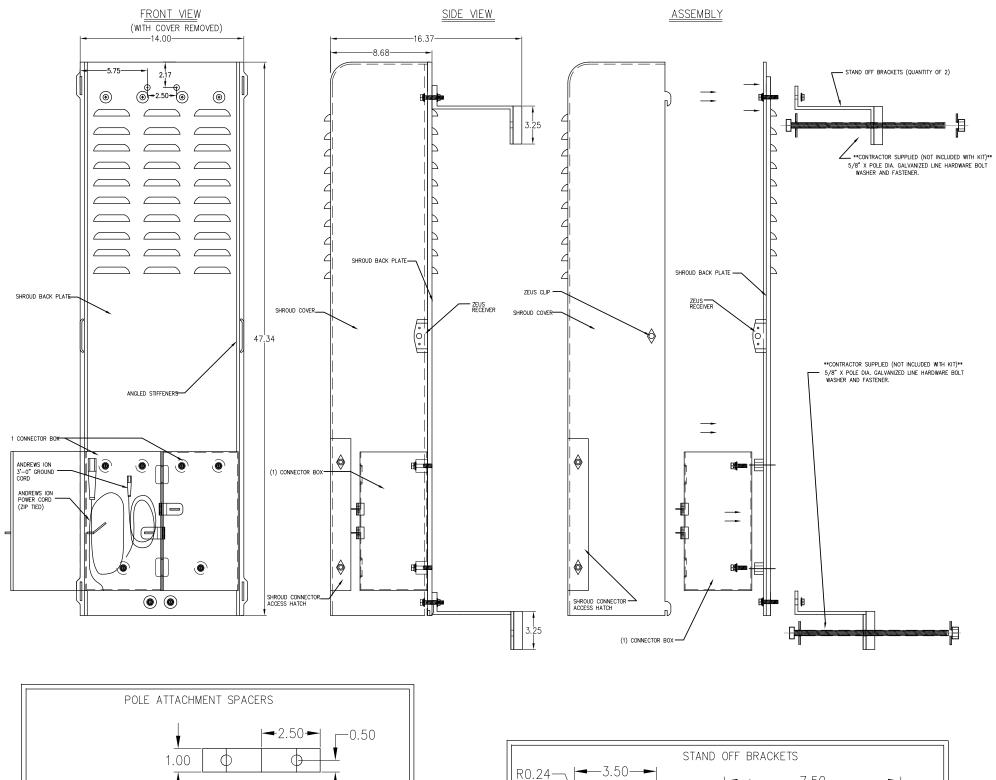
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BATTERY SPECIFICATIONS

N.T.S.



STAND OFF BRACKETS
7.50 1.75 1.00 1.75 5.00 1.75 1.00 1.75 1.50 1.50 1.50 1.75

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Civil Engineer



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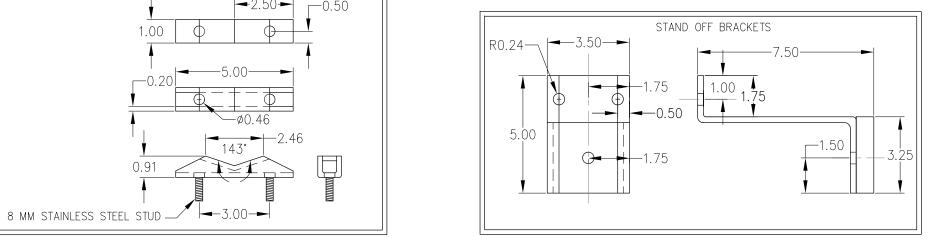
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- . APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE
- 3, THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL. STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.)
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIES, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED. THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED. IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT. 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED. THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO TH
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIVISION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

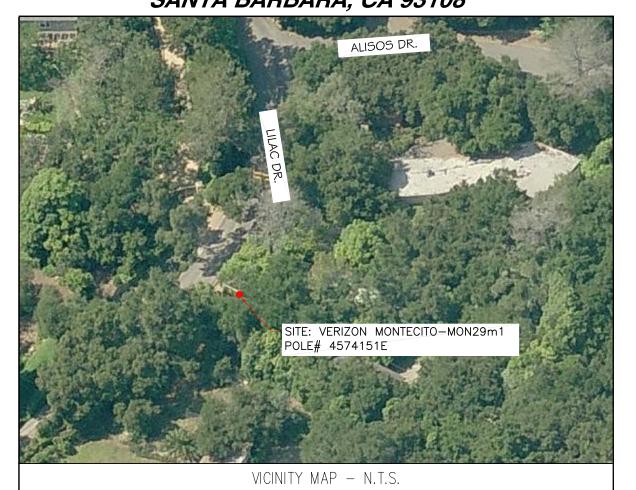
- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER
 SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS. TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- 5. Contractor agrees that he shall assume sole responsibility for job site condition during the course of construction of this project, including safety of all persons and property: that this provision shall apply CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED IN CONNECTION WITH THI PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT



CONSTRUCTION CHANGE TABLE CHANGE DATE EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON29m1 R.O.W. WEST SIDE OF LILAC DR (ADJACENT TO 663 LILAC DR) SANTA BARBARA, CA 93108



☆ LIGHT POLE ELEVATION REF. — E — ELECT. CONDUIT GROUND BUS BAR MECH. GRND. CONN O FOUNDATION SECTION REF. CADWELD SPOT ELEV. ELECTRIC BOX -- — PROP./LEASE LINE MYERS PEDESTAL ▲ SET POINT TELEPHONE BOX MATCH LINE VAULT STANDARD 2'X3' A REVISION EXISTING SERVE SIDEWALK FLA EXISTING SERVICE POLE — WORK POINT SIDEWALK FLAG STEEL POLE - T - TELE, CONDUIT (x) DETAIL REF. — — CENTERLINE

SYMBOLS, LINETYPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF

- 1. (2) OMNI DIRECTIONAL ANTENNAS ON EXISTING UTILITY POLE
- 2. EQUIPMENT VAULT AT BASE OF EXISTING POLE
- 3. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF

C-1 - SHEET 2 OF 8 A-1 - SHEET 3 OF 8 TOPOGRAPHIC SURVEY SITE PLAN PROPOSED ELEVATIONS - SHEET 5 OF 8 GRADING PLAN DETAILS. D-1 - SHEET 6 OF 8

D-2 - SHEET 7 OF 8

DETAILS

SHEET INDEX:

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER. 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE
- OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE FROSION/SEDIMENT CONTROL MEASURES.
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS	
ASPHALT CUT	-
DIRT TRENCH	-
PUNCH THRU	-
BORE	-
TOTAL	-
R&R SWF TOTAL	_

PROJECT DICTIONARY

R.O.W. SOUTH SIDE OF ALISOS DR SITE ADDRESS: (ADJACENT TO 2091 ALISOS DR) SANTA BARBARA, CA 93108

APPLICANT: CROWN CASTLE NG WEST, INC 2125 WRIGHT AVE, SUITE #C9 LA VERNE, CA 91750

CONTACT: HEIDI PAYNE PHONE: (949) 300-9493

CONNELL DESIGN GROUP, LLC CIVIL ENGINEER: 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

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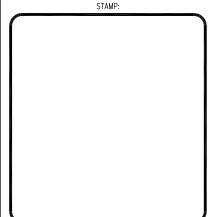
ENGINEER/CONSULTANT:



(949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:





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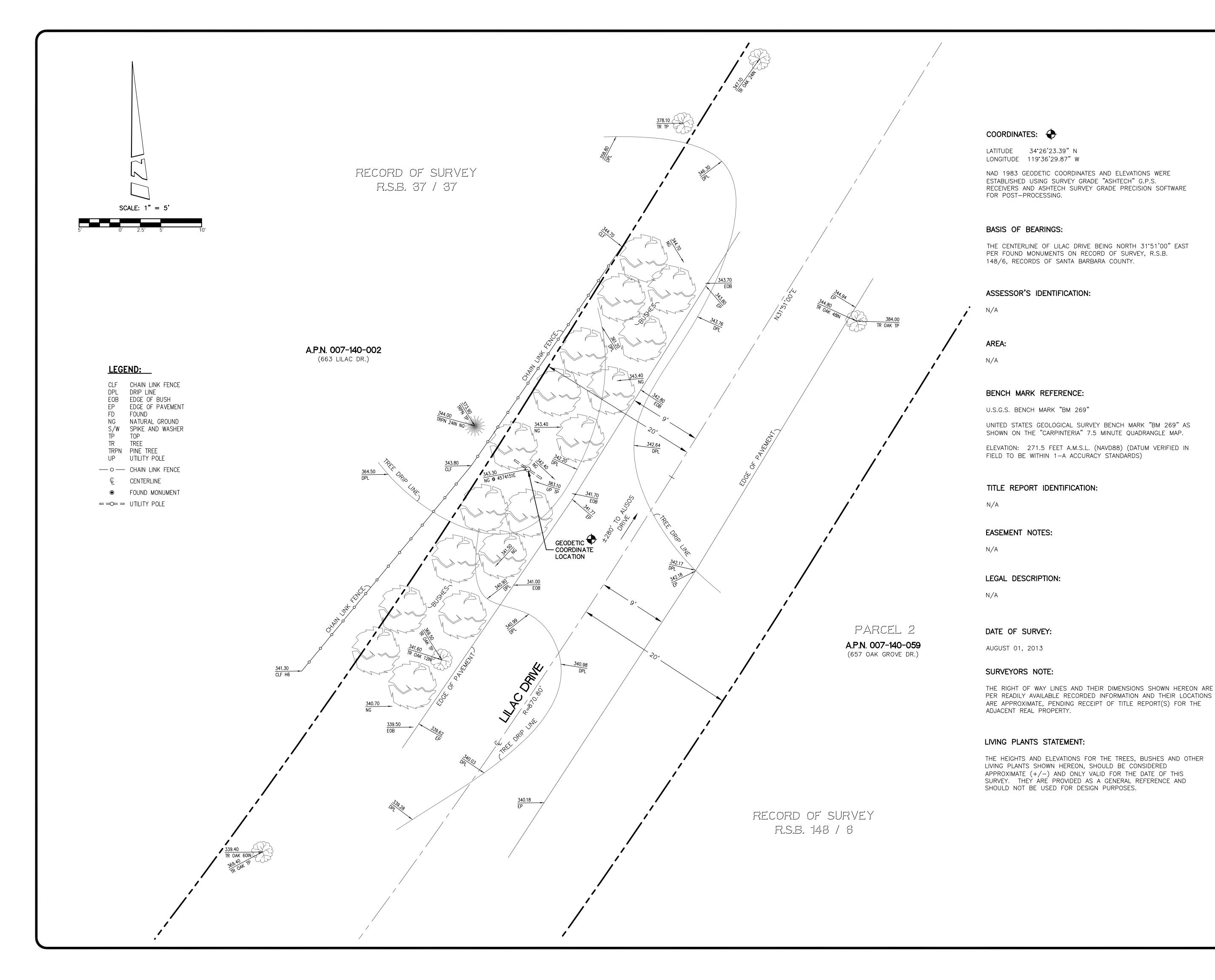
MON29m1 VERIZON MONTECITO-MON29m1

SITE ADDRESS: THOMAS BROS PAGE 997 GRID C1 R.O.W. WEST SIDE OF LILAC DR (ADJACENT TO 663 LILAC DR) SANTA BARBARA, CA 93108 LAT: 34.439831 LONG: -119.608297

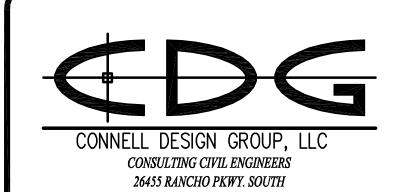
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SITE BUILDER:

LAKE FOREST, CA 92630-8326

(949) 753-8807 OFFICE - (949) 753-8833 FAX



SURVEYOR:

BERT HAZE

AND ASSOCIATES, INC.

LAND SURVEYING & MAPPING

3188 AIRWAY AVENUE, SUITE K1

COSTA MESA, CALIFORNIA 92626

714 557-1567 OFFICE

714 557-1568 FAX

JN. 706.241

STAMP:



SITE INFO:

SITE NAME:

MON29 VERIZON MONTECITO-MON29

SITE ADDRESS:

MON29

R.O.W. WEST SIDE OF LILAC DR (ADJACENT TO 663 LILAC DR) SANTA BARBARA, CA 93108

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TOPOGRAPHIC SURVEY

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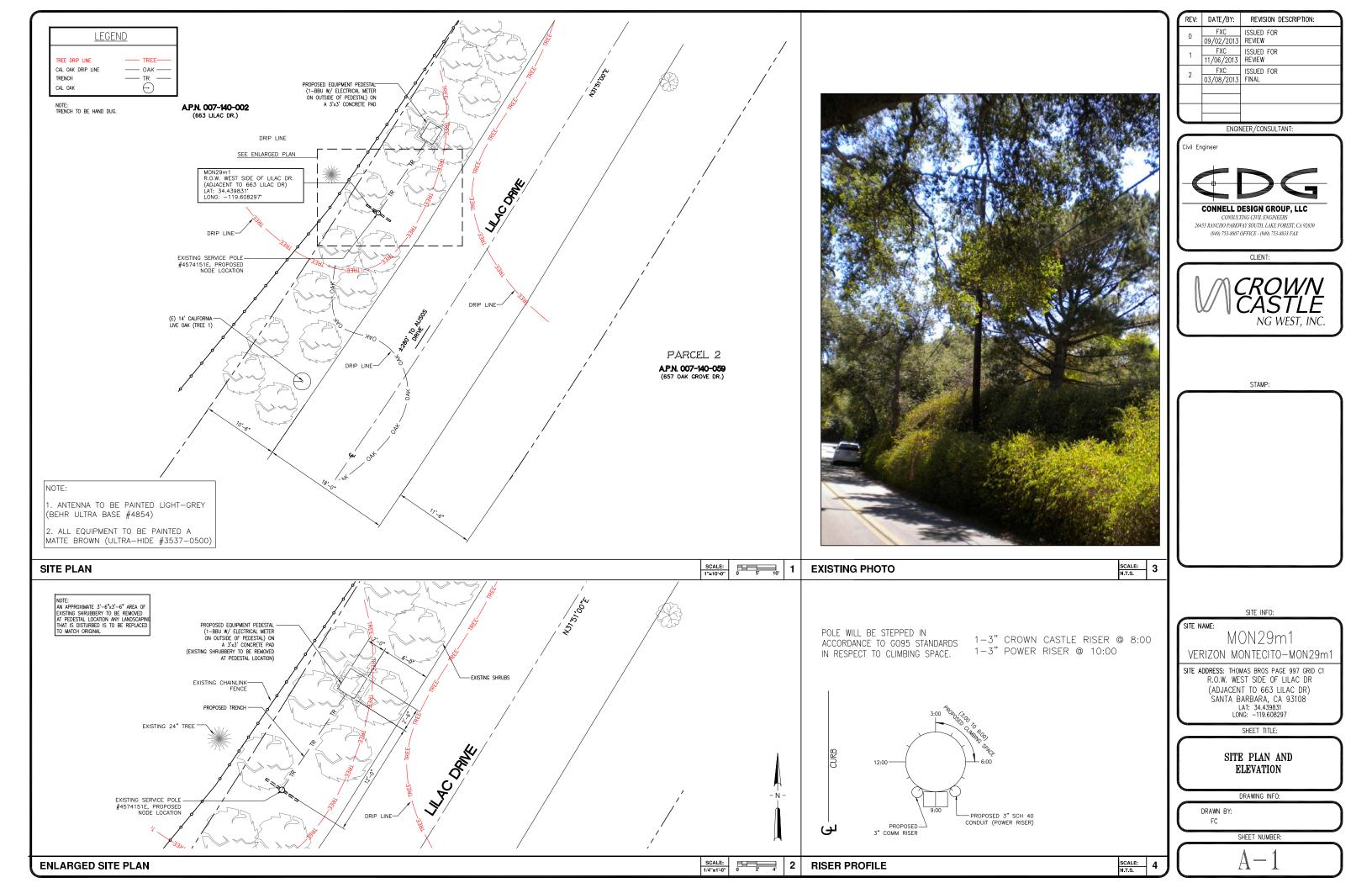
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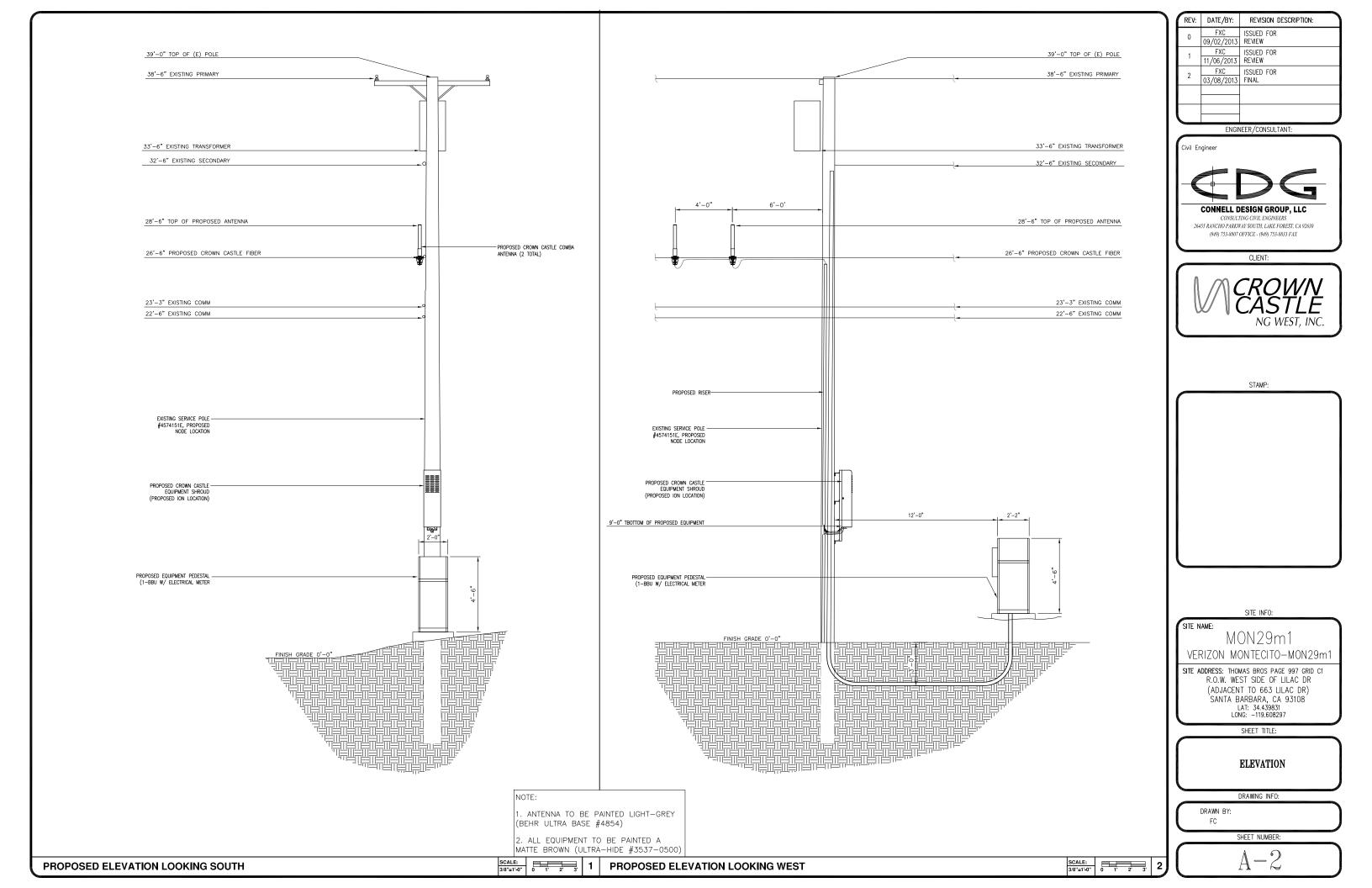
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DATE:

08/08/13





NOTE: NO CUT AND FILL REQUIRED

GRADING PLAN

GRADING CALCULATION

CONCRETE PAD:

2.997 CF

12'Lx3'Dx.5'W TRENCH:

<u>18 CF</u>

TOTAL:

20.997 CF



NOTE: TRENCH TO BE HAND DUG.

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ENGINEER/CONSULTANT:



CONNELL DESIGN GROUP, LLC

CONSULTING CIVIL ENGINEERS

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MON29m1 VERIZON MONTECITO-MON29m1

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GRADING PLAN

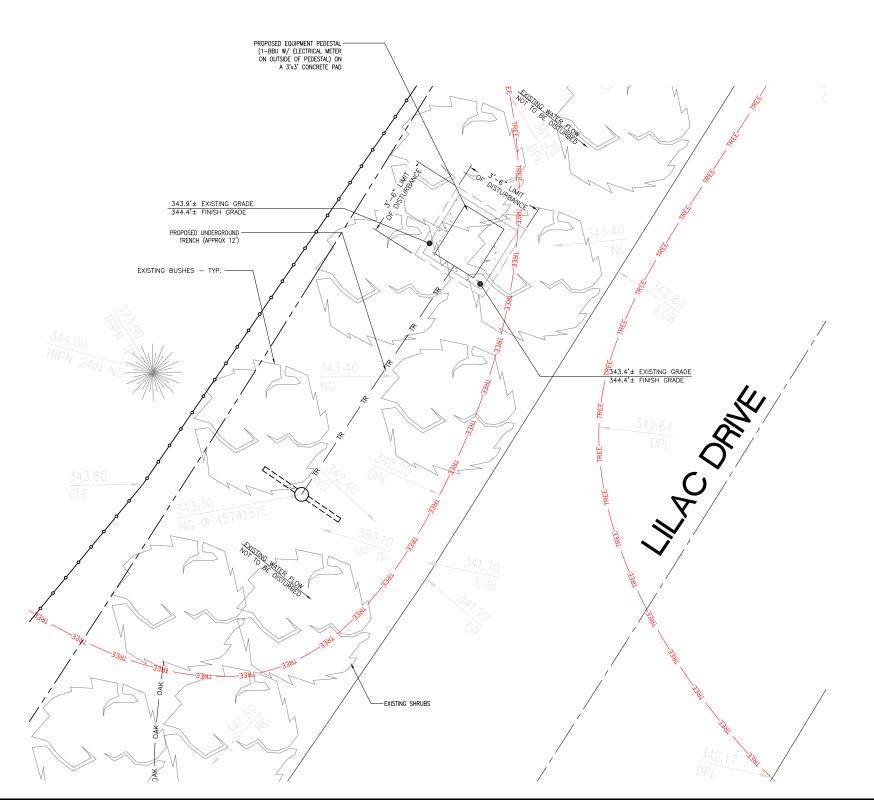
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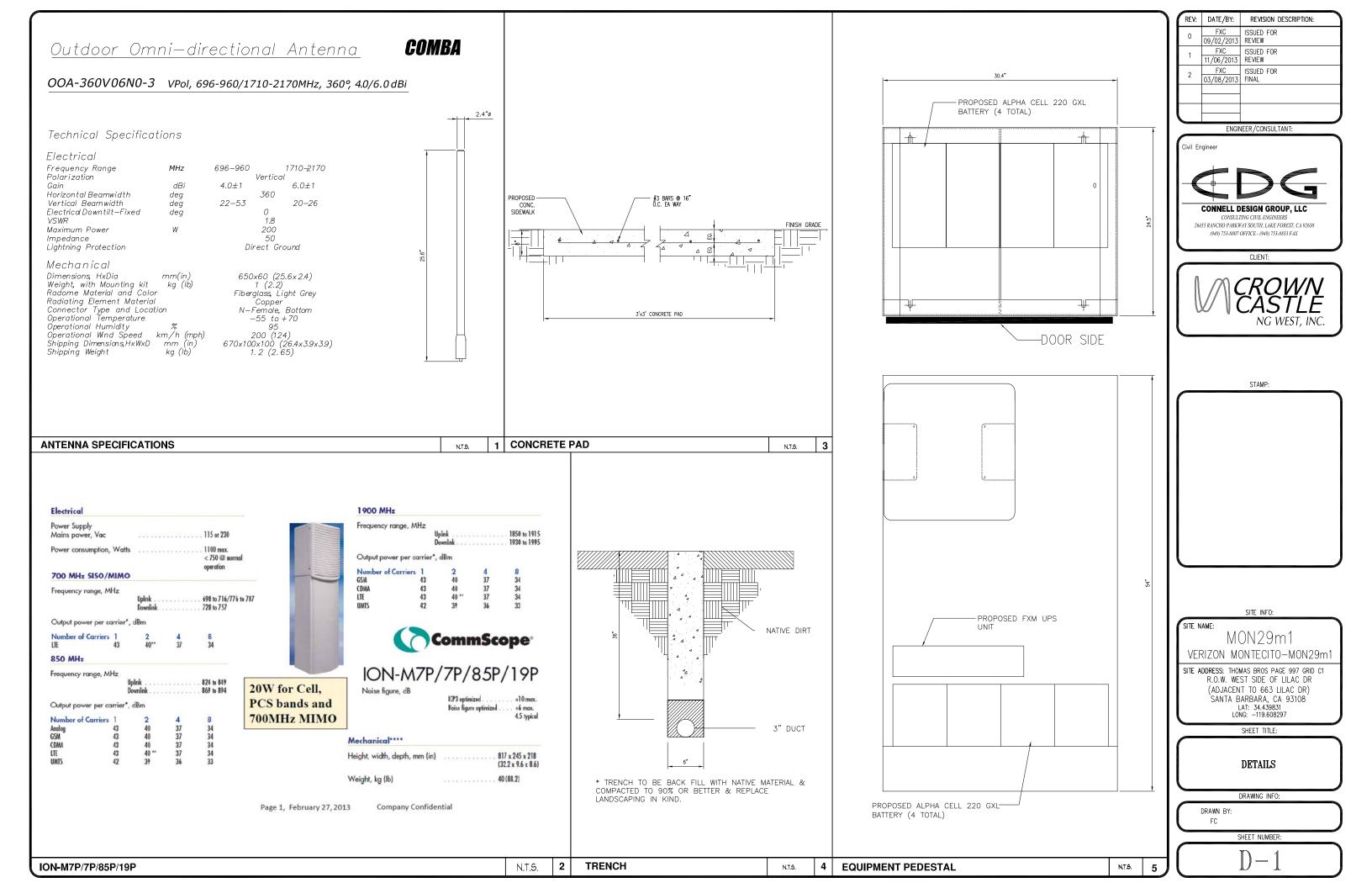
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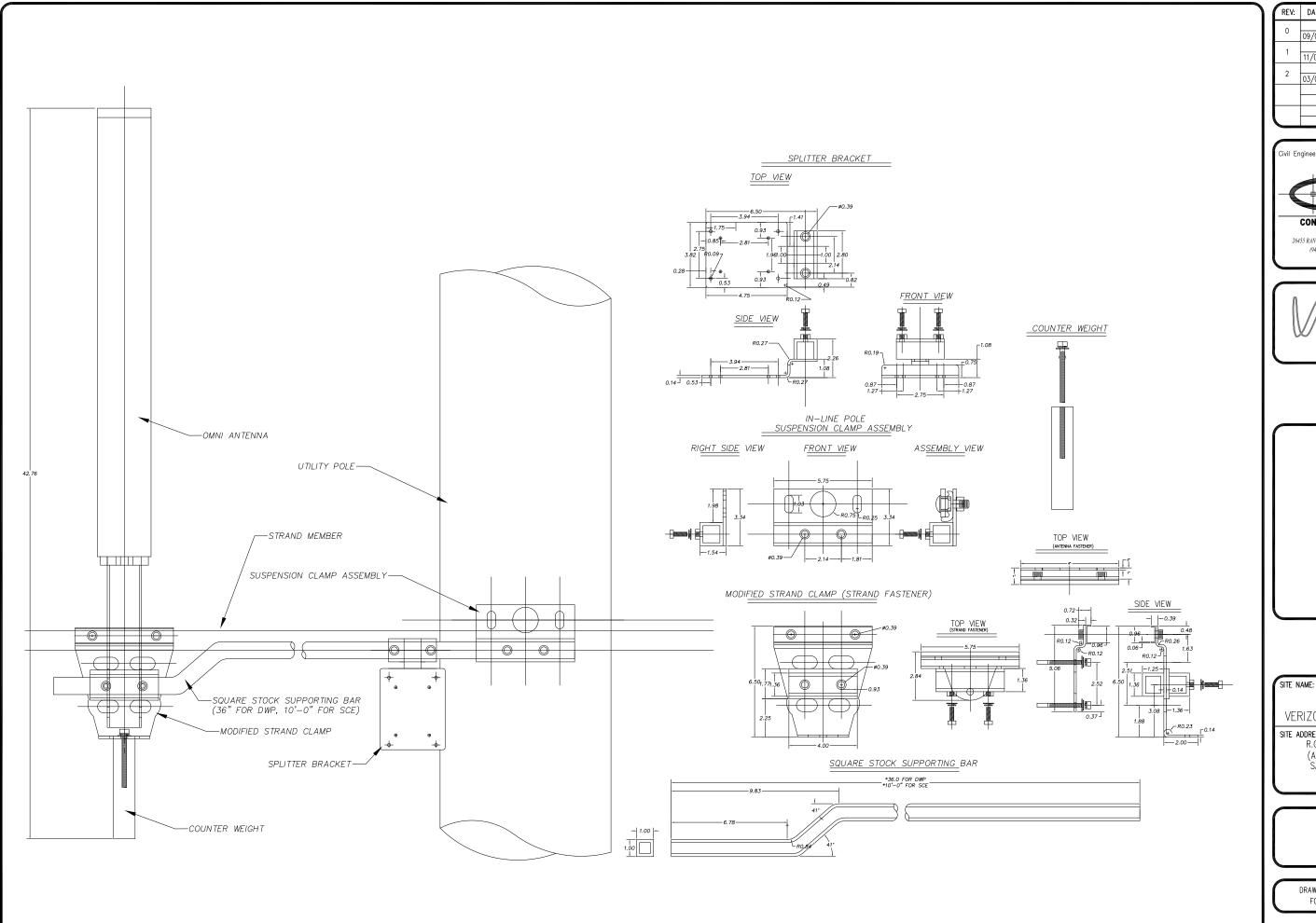
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Civil Engineer

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SITE ADDRESS: THOMAS BROS PAGE 997 GRID C1 R.O.W. WEST SIDE OF LILAC DR (ADJACENT TO 663 LILAC DR) SANTA BARBARA, CA 93108 LAT: 34.439831 LONG: -119.608297

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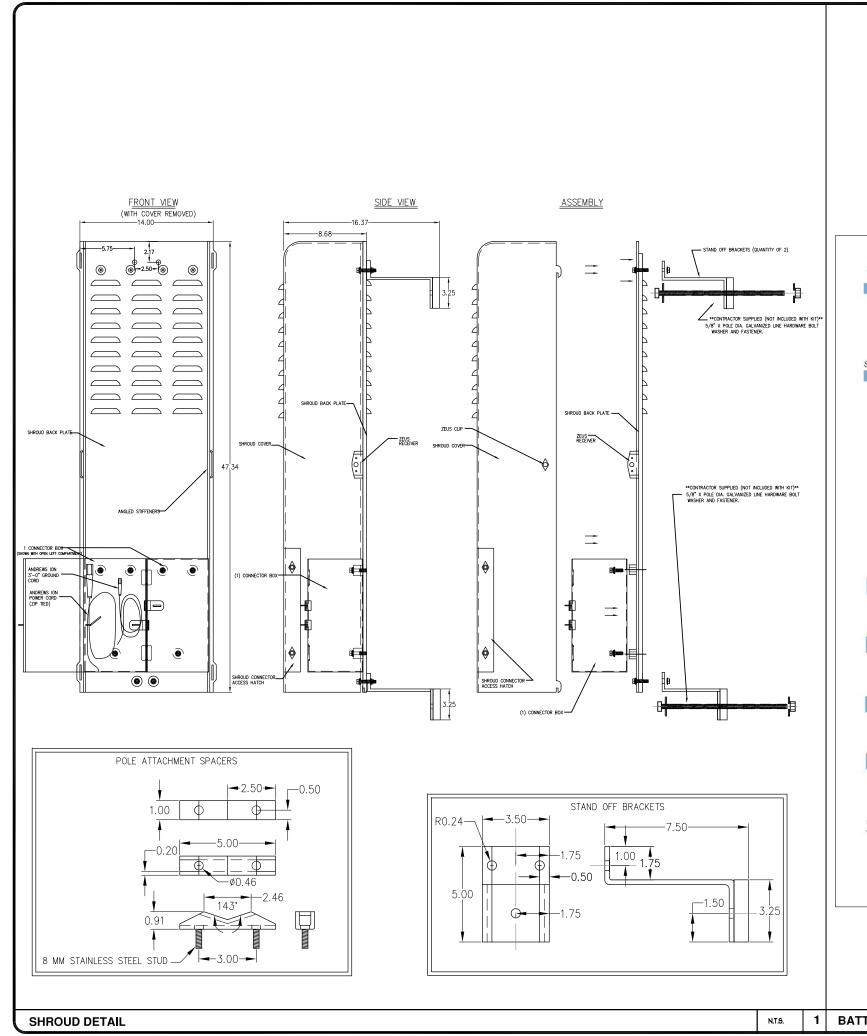
DETAILS

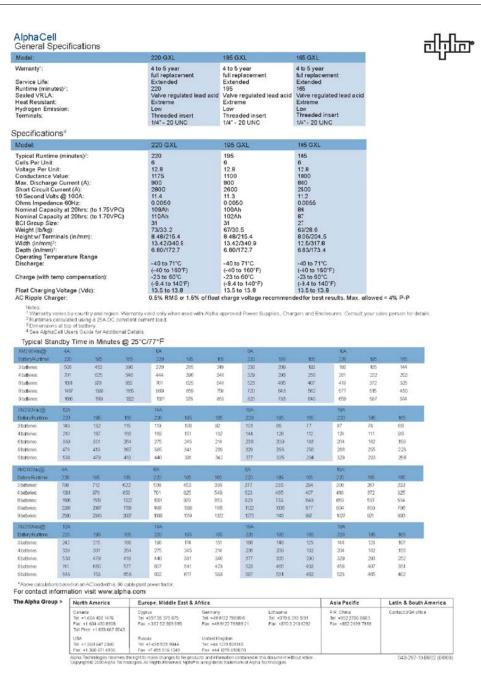
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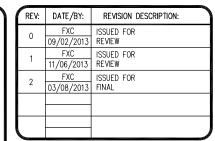
FC

SHEET NUMBER:

N.T.S.







Civil Engineer

CONNELL DESIGN GROUP, LLC

CONSULTING CIVIL ENGINEERS 26453 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX



STAMP:

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SITE NAME:

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VERIZON MONTECITO—MON29m1

SITE ADDRESS: THOMAS BROS PAGE 997 GRID C1 R.O.W. WEST SIDE OF LILAC DR (ADJACENT TO 663 LILAC DR) SANTA BARBARA, CA 93108 LAT: 34.439831 LONG: -119.608297

SHEET TITLE:

DETAILS

DRAWING INFO:

RAWN BY: FC

N.T.S.

SHEET NUMBER:

D-3

BATTERY SPECIFICATIONS

- . APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE
- 3, THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL. STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.)
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT.
- 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED. THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO TH
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIMSION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER
 SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS. TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT
- 5. Contractor agrees that he shall assume sole responsibility for job site condition during the course of construction of this project, including safety of all persons and property: that this provision shall apply CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED IN CONNECTION WITH THI PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT

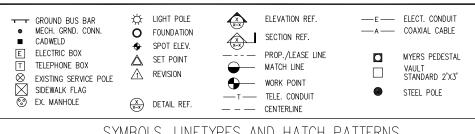


CONSTRUCTION CHANGE TABLE CHANGE DATE EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON30 R.O.W. SOUTH SIDE OF SAN LEANDRON LN (ADJACENT TO 198 N TIBURON LN) SANTA BARBARA, CA 93108





SYMBOLS, LINETYPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF:

- 1. (2) OMNI DIRECTIONAL ANTENNA ON EXISTING UTILITY POLE
- 2. ION, BBU ON EXISTING UTILITY POLE

SHEET INDEX T-1 - SHEET 1 OF 7 TITLE SHEET SITE PLAN A-1 - SHEET 2 OF 7 PROPOSED ELEVATIONS A-2 - SHEET 3 OF 7 FSH AREA PLAN A-4 - SHFFT 4 OF 7 DETAILS D-1 - SHEET 5 OF 7 DETAILS D-2 - SHEET 6 OF 7 DETAILS D-3 - SHEET 7 OF 7

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.

UNLINED DITCHES AFTER EACH RAINFALL.

- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER. 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE
- OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE FROSION/SEDIMENT CONTROL MEASURES.
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS	
ASPHALT CUT	-
DIRT TRENCH	-
PUNCH THRU	-
BORE	-
TOTAL	-
R&R SWF TOTAL	_

PROJECT DICTIONARY

CIVIL ENGINEER:

R.O.W. SOUTH SIDE OF SAN LEANDRON LN SITE ADDRESS: (ADJACENT TO 198 N TIBURON LN) SANTA BARBARA CA 93108

APPLICANT: CROWN CASTLE NG WEST, INC 2125 WRIGHT AVE, SUITE #C9 LA VERNE, CA 91750 CONTACT: HEIDI PAYNE

PHONE: (949) 300-9493

CONNELL DESIGN GROUP, LLC 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

REVISION DESCRIPTION: DATE/BY: ISSUED FOR 09/02/2013 FINAL FXC ISSUED FOR 11/06/2013 FINAL ISSUED FOR 01/08/2014 FINAL FXC ISSUED FOR 02/25/2014 FINAL FXC ISSUED FOR 05/13/2014 FINAL

ENGINEER/CONSULTANT:



26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630

(949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:



STAMP:

SITE INFO:

MON30

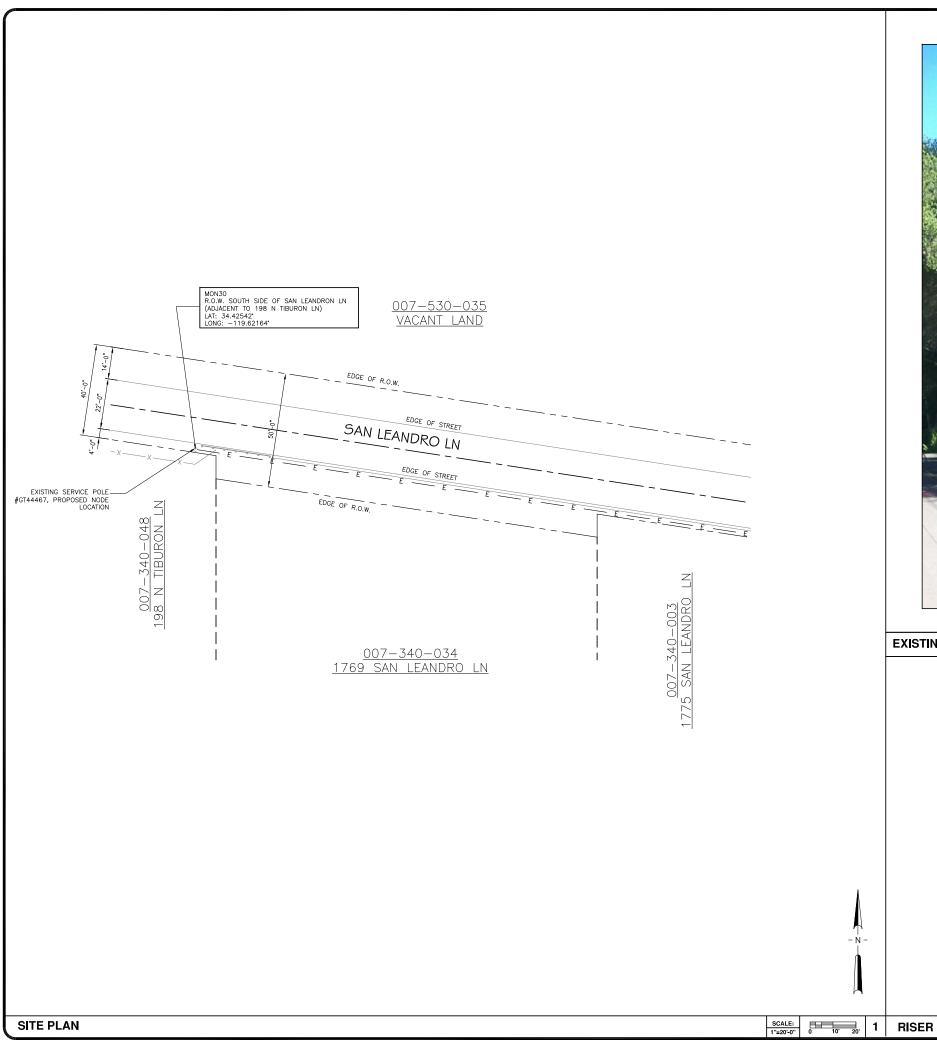
VERIZON MONTECITO-MON30

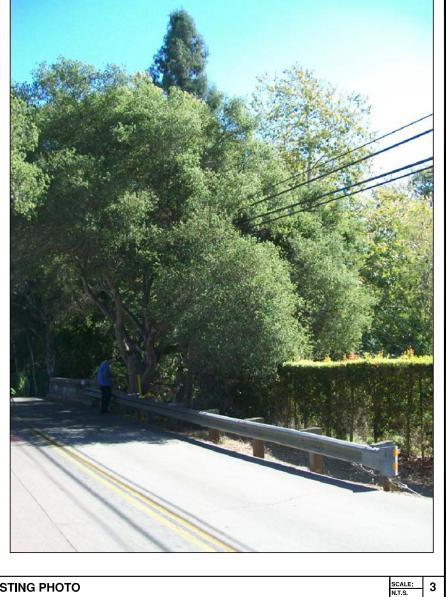
SITE ADDRESS: THOMAS BROS PAGE 997 GRID A3 R.O.W. SOUTH SIDE OF SAN LEANDRON LN (ADJACENT TO 198 N TIBURON LN) SANTA BARBARA, CA 93108 LAT: 34.42542* LONG: -119.62164*

SHEET TITLE:

TITLE SHEET

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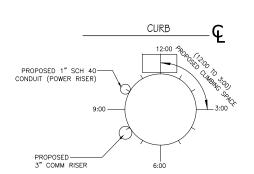




EXISTING PHOTO

POLE WILL BE STEPPED IN ACCORDANCE TO G095 STANDARDS IN RESPECT TO CLIMBING SPACE.

1-3" CROWN CASTLE RISER @ 8:00 1-1" POWER RISER @ 10:00



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ı		1	FXC	ISSUED FOR
ı	Ш		09/02/2013	FINAL
ı		2	FXC	ISSUED FOR
ı			11/06/2013	FINAL
ı		3	FXC	ISSUED FOR
ı			01/08/2014	FINAL
ı		4	FXC	ISSUED FOR
ı		4	02/25/2014	FINAL
		. 5	FXC	ISSUED FOR
1		•	05/13/2014	FINAL

ENGINEER/CONSULTANT:

Civil Engineer



CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

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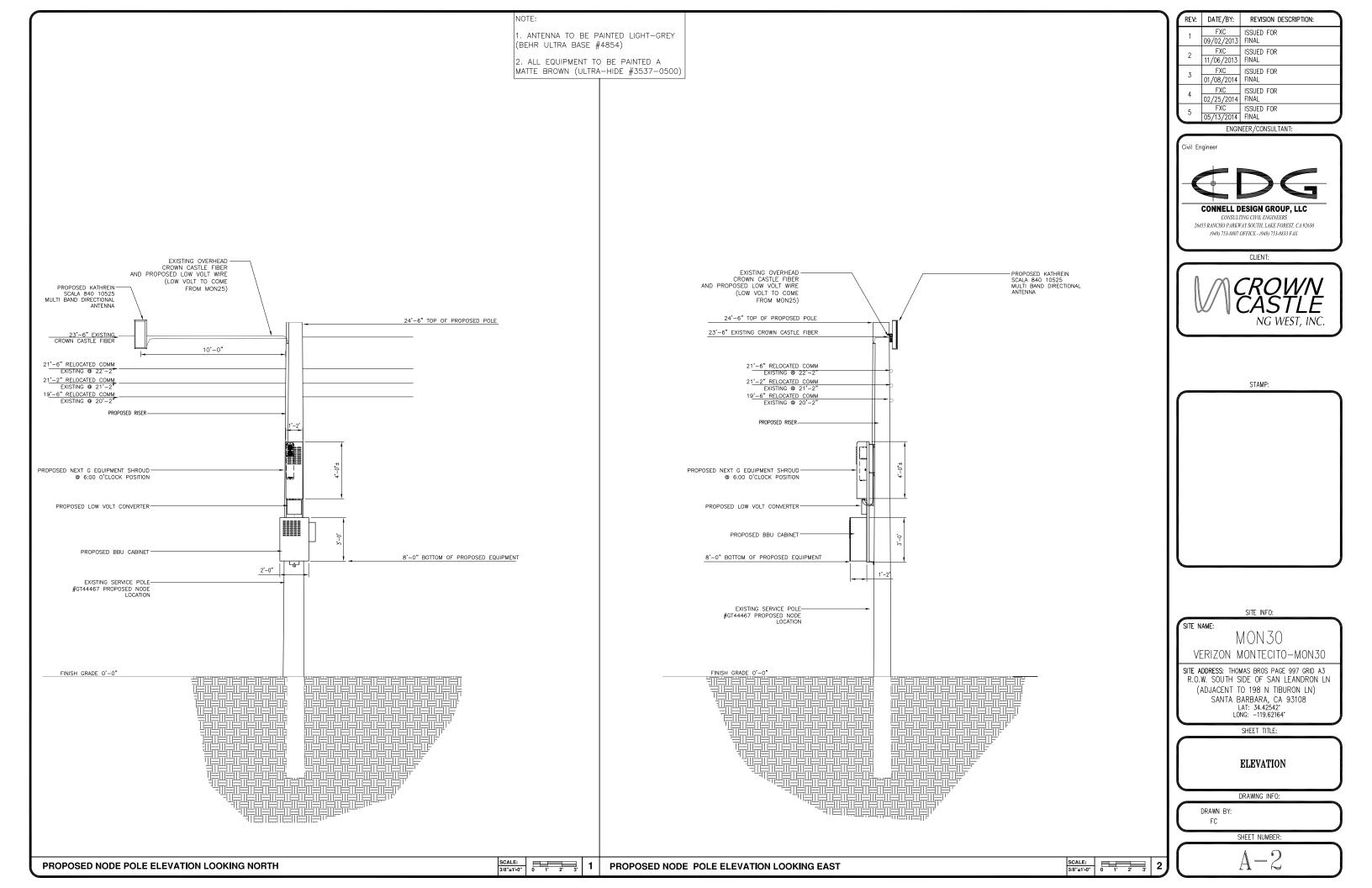
SITE PLAN AND ELEVATION

DRAWING INFO:

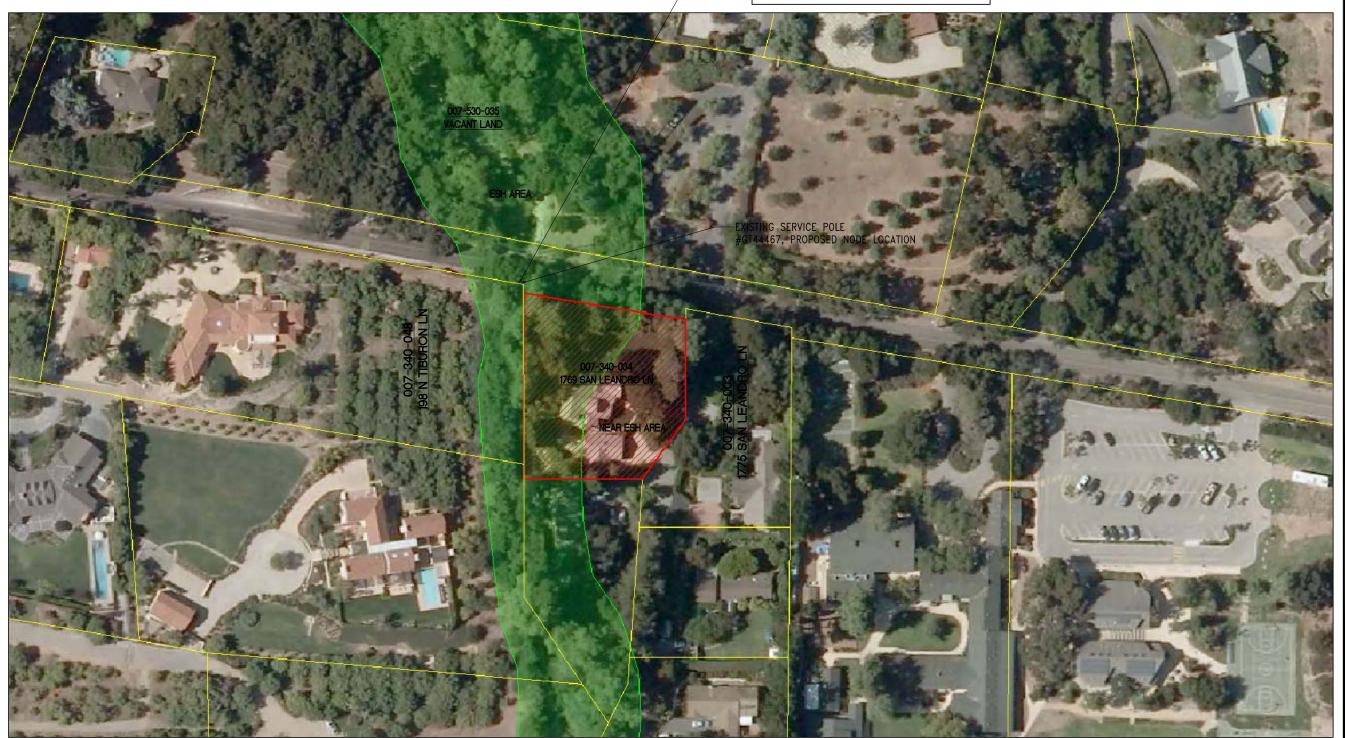
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SHEET NUMBER:

SCALE: 2 RISER PROFILE



MON30 R.O.W. SOUTH SIDE OF SAN LEANDRON LN (ADJACENT TO 198 N TIBURON LN) LAT: 34.42542° LONG: -119.62164°



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SHEET TITLE:

ESH AREA PLAN

DRAWING INFO:

SHEET NUMBER:

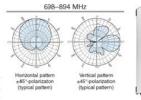
ESH AREA PLAN

KOTHREIN SCALA DIVISION

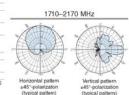
840 10525 65° Dualband Directional Antenna

Kathrein's multi-band antennas are ready for 4G applications, covering all existing wireless bands for AMPS, PCS and 3G/ UMTS as well as all spectrum under consideration for future systems. These cross-polarized antennas offer diversity operation in the same space as a conventional 800 MHz antenna, and are mourtable on our compact sector brackets.

- Wide band operation.
- · Exceptional intermodulation characteristics
- High strength pultruded fiberglass radome.



698-894 MHz 1710-2170 MHz
50 ohms
<1.5:1
IM3; <-150 dBc
+45° and -45°
4 x 7-16 DIN female
>30 dB
15.9 lb (7.2 kg) 20.3 lb (9.2 kg) clamps included
23.3 x 10.6 x 6.2 inches (593 x 270 x 167 mm)
at 93 mph (150kph) 37 lbf / 21 lbf / 56 lbf (163 N) / (92 N) / (245 N))
120 mph (200 kph)
29 x 11.9 x 7.6 inches (736 x 302 x 192 mm)
23.6 lb (10.7 kg)
Fixed mounts for 2 to 4.6 inch (50 to 11) mm) CD masts are included. Tilt mount options are available.



Specifications:	698-806 MHz	806-894 MHz	1710-1755 MHz	1850-1990 MHz	2110-2170 MHz
Gain	10.5 dBi	11 dBi	13.3 dBi	13.5 dBi	12.8 dBi
Front-to-back ratio	>25 dB (co-polar)	>25 dB (co-polar)	>30 dB (co-polar)	>30 dB (co-polar)	>30 dB (co-polar)
Maximum input power	250 watts (at 50°C)	250 watts (at 50°C)	200 watts (at 50°C)	200 watts (at 50°C)	200 watts (at 50°C
+45° and -45° polarization horizontal beamwidth	71° (half-power)	68° (half-power)	61' (half-power)	63" (half-power)	70° (half-power)
+45° and -45° polarization vertical beamwidth	37° (half-power)	31" (half-power)	19' (half-power)	18' (half-power)	18.5° (half-power)
Cross polar ratio (typical) Main direction 0' Sector ±60'	30 dB >8 dB	30 dB >8 dB	25 dB >8 dB	25 dB >8 dB	25 dB >8 dB



See reverse for order information

Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.

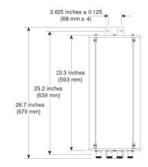
Kathrein Inc., Scala Division Post Office Box 4580 Medford, OR 97501 (USA) Phone: (541) 779-6500 Fax: (541) 779-3991 Email: communications 9 kathrein.com Internet: www.kathrein-scala.com

KATHREIN SCALA DIVISION

840 10525

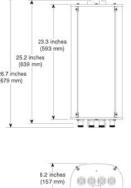
65° Dualband Directional Antenna

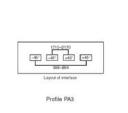




Mounting Options: Model	Description
2 x 738 546 (included)	Mounting Kit for 2 to 4.6 inch (50 to 115 mm) OD mast.
850 10013	Tilt Kit for use with the 2 x 738 546 mounting 0-34 degrees downtit angle.

Order Information 840 10525





× 1

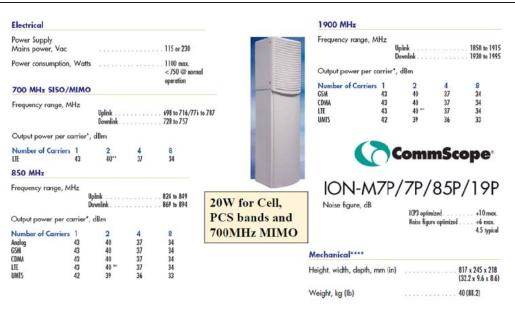
10.6 inches >

All specifications are subject to change without notice. The latest specifications are available at www.kathrein-scala.com. Kathrein Inc., Scala Division Post Office Box 4580 Medford, CR 97501 (USA) Phone: (541) 779-5500 Fax: (541) 779-3991 Email: communications@kathrein.com Internet: www.kathrein-scala.com

Antenna with 7-16 DIN connectors

AlphaCell General Specifications Service Life: Runtime (minutes)²: Sealed VRLA: Heat Resistant; Hydrogen Emission: Terminals: Specifications4 Model: Model:
Typical Runtime (minutes)²:
Cels Per Unit:
Collage Per Unit:
Conductance Value:
Nax. Discharge Current (A):
Short Circuit Current (A):
Obsected Voltas @ 100A:
Ohms Impedance @OHz:
Nominal Capacity at 20hrs: (to 1.75VPC)
Nominal Capacity at 20hrs: (to 1.75VPC)
SCI Group Size
Veright (bithg):
Despit (bithg):
Despit (minum)²:
Despit (minum)²:
Deptit (minum)²:
Operating Temperature Range
Discharge. 220 6 12.8 1175 900 2800 11.4 0.0050 109Ah 110Ah 31 73/33.2 8.48/215.4 13.42/340.9 6.80/172.7 165 6 12.8 1000 800 2500 11.2 0.0055 86 87 6 12.8 1100 900 2600 11.3 0.0050 100Ah 102Ah 31 67/30.5 8.48/215.4 13.42/340.9 6.80/172.7 27 63/28.6 8.05/204.5 12.5/317.8 6.83/173.4 -40 to 71°C (-40 to 160°F) -23 to 60°C (-9.4 to 140°F) 13.5 to 13.8 Float Charging Voltage (Vdc): AC Ripple Charger: Typical Standby Time in Minutes @ 25°C/77°F For contact information visit www.alpha.com The Alpha Group > North America Latin & South America Europe, Middle East & Africa Asia Pacific 049,797,10,8902 (9509

BATTERY SPECIFICATIONS N.T.S.



Page 1, February 27, 2013 Company Confidential

REV: DATE/BY: REVISION DESCRIPTION: FXC ISSUED FOR 09/02/2013 FINAL FXC ISSUED FOR 11/06/2013 FINAL FXC ___ISSUED FOR 01/08/2014 FINAL ___ ISSUED FOR FXC 02/25/2014 FINAL FXC ISSUED FOR 05/13/2014 FINAL

ENGINEER / CONSULTANT:

Civil Engineer CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS

> 26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

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VERIZON MONTECITO-MON30

SITE ADDRESS: THOMAS BROS PAGE 997 GRID A3 R.O.W. SOUTH SIDE OF SAN LEANDRON LN (ADJACENT TO 198 N TIBURON LN) SANTA BARBARA, CA 93108 LAT: 34.42542* LONG: -119.62164*

SHEET TITLE:

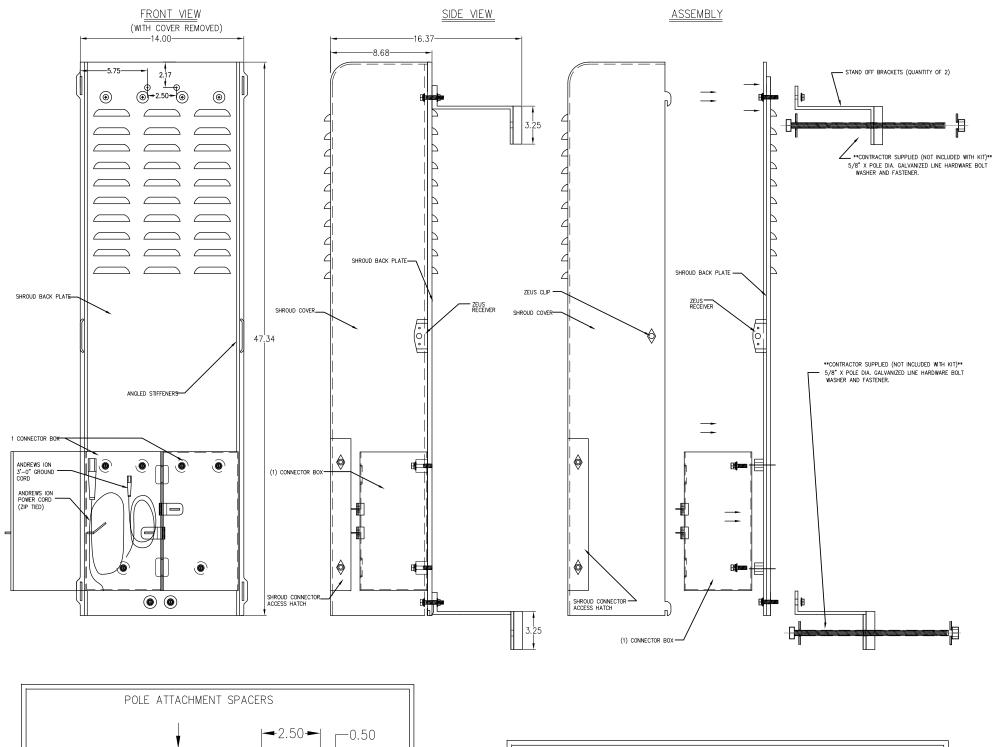
DETAILS

DRAWING INFO:

FC

SHEET NUMBER:

ION-M7P/7P/85P/19P N.T.S. **ANTENNA SPECIFICATIONS** N.T.S.



REV:	DATE/BY:	REVISION DESCRIPTION:
1	FXC 09/02/2013	ISSUED FOR FINAL
2	FXC 11/06/2013	ISSUED FOR FINAL
3	FXC 01/08/2014	ISSUED FOR FINAL
4	FXC 02/25/2014	ISSUED FOR FINAL
5	FXC 05/13/2014	ISSUED FOR FINAL
	ENGIN	NEER/CONSULTANT:
Civil Er	ENGIN	

Civil Engineer

CONNELL DESIGN GROUP, LLC

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

CONSULTING CIVIL ENGINEERS



STAMP:

SITE INFO:

SITE NAME:

MON30 VERIZON MONTECITO-MON30

SITE ADDRESS: THOMAS BROS PAGE 997 GRID A3 R.O.W. SOUTH SIDE OF SAN LEANDRON LN (ADJACENT TO 198 N TIBURON LN) SANTA BARBARA, CA 93108 LAT: 34.42542 LONG: -119.62164*

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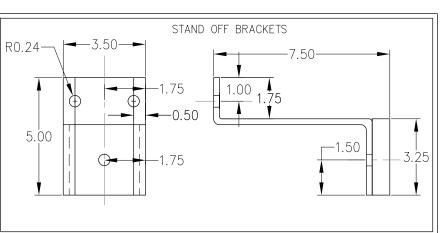
DETAILS

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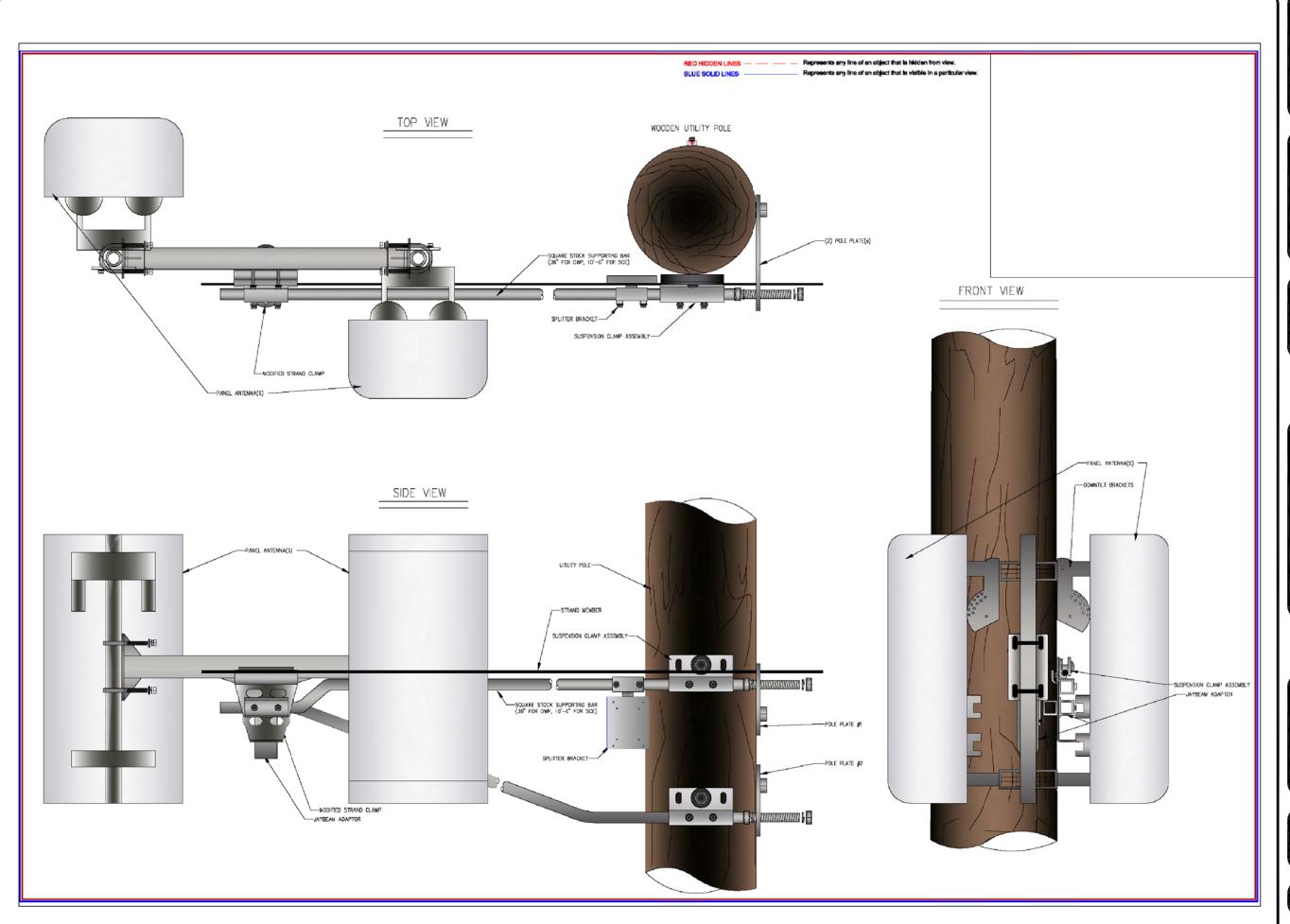
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ANTENNA SPECIFICATIONS

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ENGINEER/CONSULTANT:

Civil Engineer



CONSULTING CIVIL ENGINEERS

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N.T.S.

- . APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE
- 3, THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL. STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.)
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED. THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED. IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO COMMENCING CONSTRUCTION.
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT. 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED. THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO TH
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIVISION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER
 SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS. TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- 5. Contractor agrees that he shall assume sole responsibility for job site condition during the course of construction of this project, including safety of all persons and property: that this provision shall apply CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED IN CONNECTION WITH THI PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT



CONSTRUCTION CHANGE TABLE CHANGE DATE EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, LLC

VERIZON MONTECITO-MON31m1 R.O.W. SOUTH SIDE OF TOLLIS AVE. (ADJACENT TO 395 OLIVE RD) SANTA BARBARA, CA 93108



GROUND BUS BAR MECH. GRND. CONN. CADWELD	LIGHT POLE FOUNDATION SPOT ELEV.	ELEVATION REF. SECTION REF.	—— ELECT. CONDUIT —— A —— COAXIAL CABLE
E ELECTRIC BOX T TELEPHONE BOX SEXISTING SERVICE POLE SIDEWALK FLAG EX. MANHOLE	SET POINT REVISION DETAIL REF.	PROP./LEASE LINE MATCH LINE WORK POINT T TELE. CONDUIT CENTERLINE	MYERS PEDESTAL VAULT STANDARD 2'X3' STEEL POLE
CVI	MROLS LINET	YPES AND HATCH P.	N TTERNS

SIMBULS, LINETIPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

- (2) OMNI ANTENNA ON EXISTING UTILITY POLE
- 2. EQUIPMENT SHROUD ON EXISTING POLE
- 3. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF

SHEET INDEX:

SITE PLAN A-1 - SHFFT 2 OF 7 - SHEET 3 OF 7 - SHEET 4 OF 7 PROPOSED ELEVATIONS DETAILS - SHEET 6 OF 7

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER. 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE
- OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
- 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

EROSION/SEDIMENT CONTROL MEASURES.

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS	
ASPHALT CUT	-
DIRT TRENCH	-
PUNCH THRU	-
BORE	-
TOTAL	=
R&R SWF TOTAL	-

PROJECT DICTIONARY

R.O.W. SOUTH SIDE OF TOLLIS AVE. SITE ADDRESS: (ADJACENT TO 395 OLIVE RD) SANTA BARBARA, CA 93108

CROWN CASTLE NG WEST, LLC 2125 WRIGHT AVE, SUITE #C9 LA VERNE, CA 91750

CONTACT: HEIDI PAYNE PHONE: (949) 300-9493

CONNELL DESIGN GROUP, LLC 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE

(949) 753-8833 FAX

REVISION DESCRIPTION: DATE/BY: ISSUED FOR 02/10/2013 REVIEW

ENGINEER/CONSULTANT:



CLIENT:

(949) 753-8807 OFFICE - (949) 753-8833 FAX



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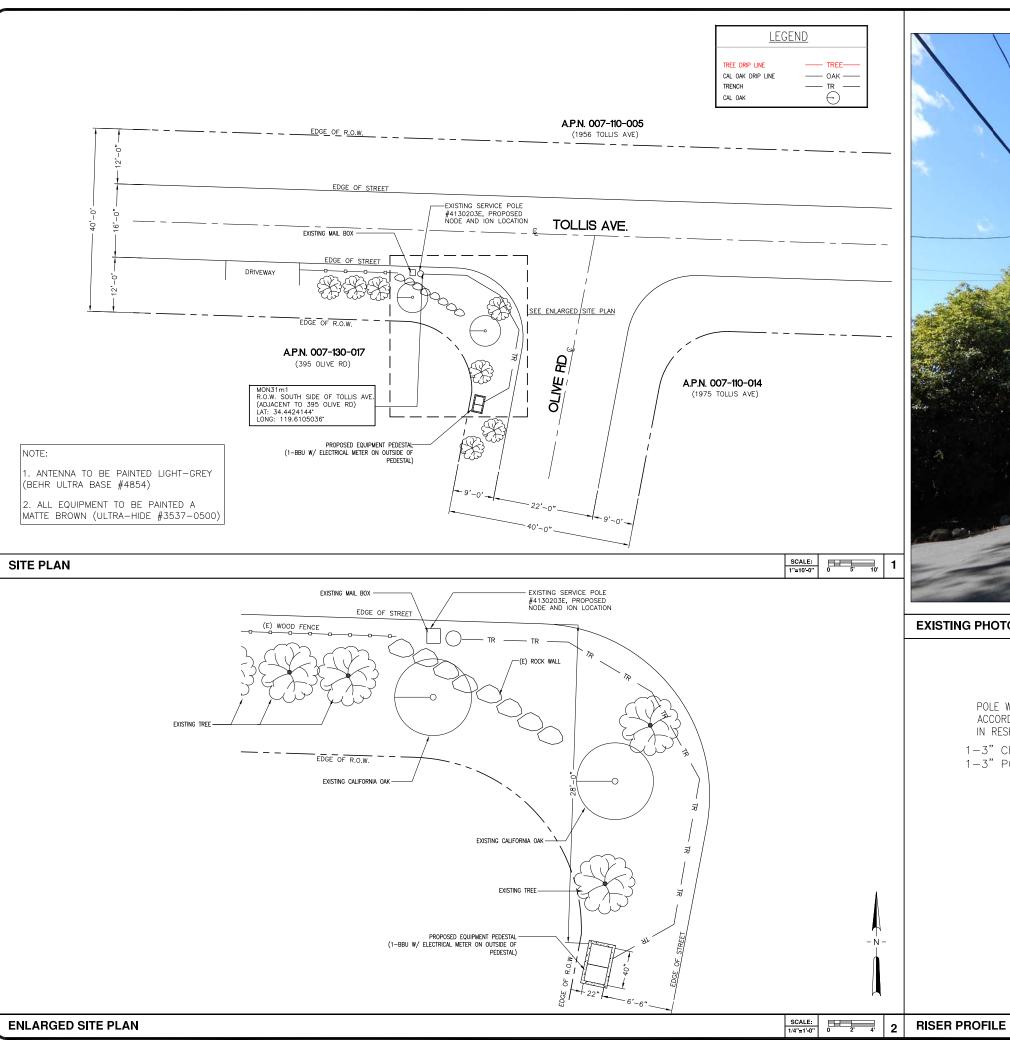
MON31m1 VERIZON MONTECITO-MON31m1

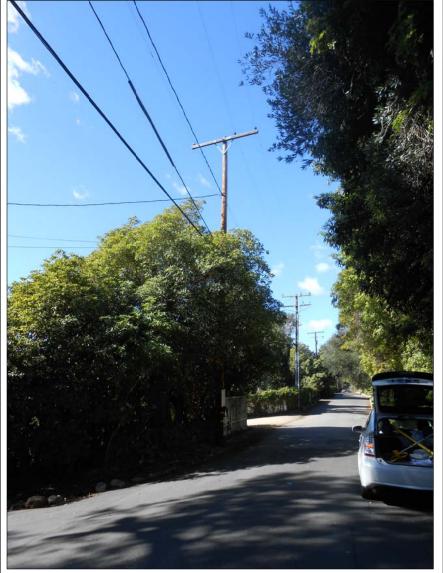
SITE ADDRESS: THOMAS BROS PAGE 993 GRID B1 R.O.W. SOUTH SIDE OF TOLLIS AVE. (ADJACENT TO 395 OLIVE RD) SANTA BARBARA, CA 93108 LONG: -119.6105036

SHEET TITLE:

TITLE SHEET

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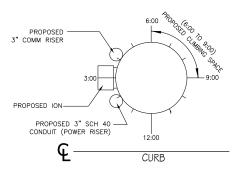


EXISTING PHOTO

SCALE: 3

POLE WILL BE STEPPED IN ACCORDANCE TO G095 STANDARDS IN RESPECT TO CLIMBING SPACE.

1-3" CROWN CASTLE RISER @ 4:00 1-3" POWER RISER @ 2:00



REV: DATE/BY: REVISION DESCRIPTION: FXC ISSUED FOR 02/10/2013 REVIEW

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Civil Engineer



26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX CLIENT:

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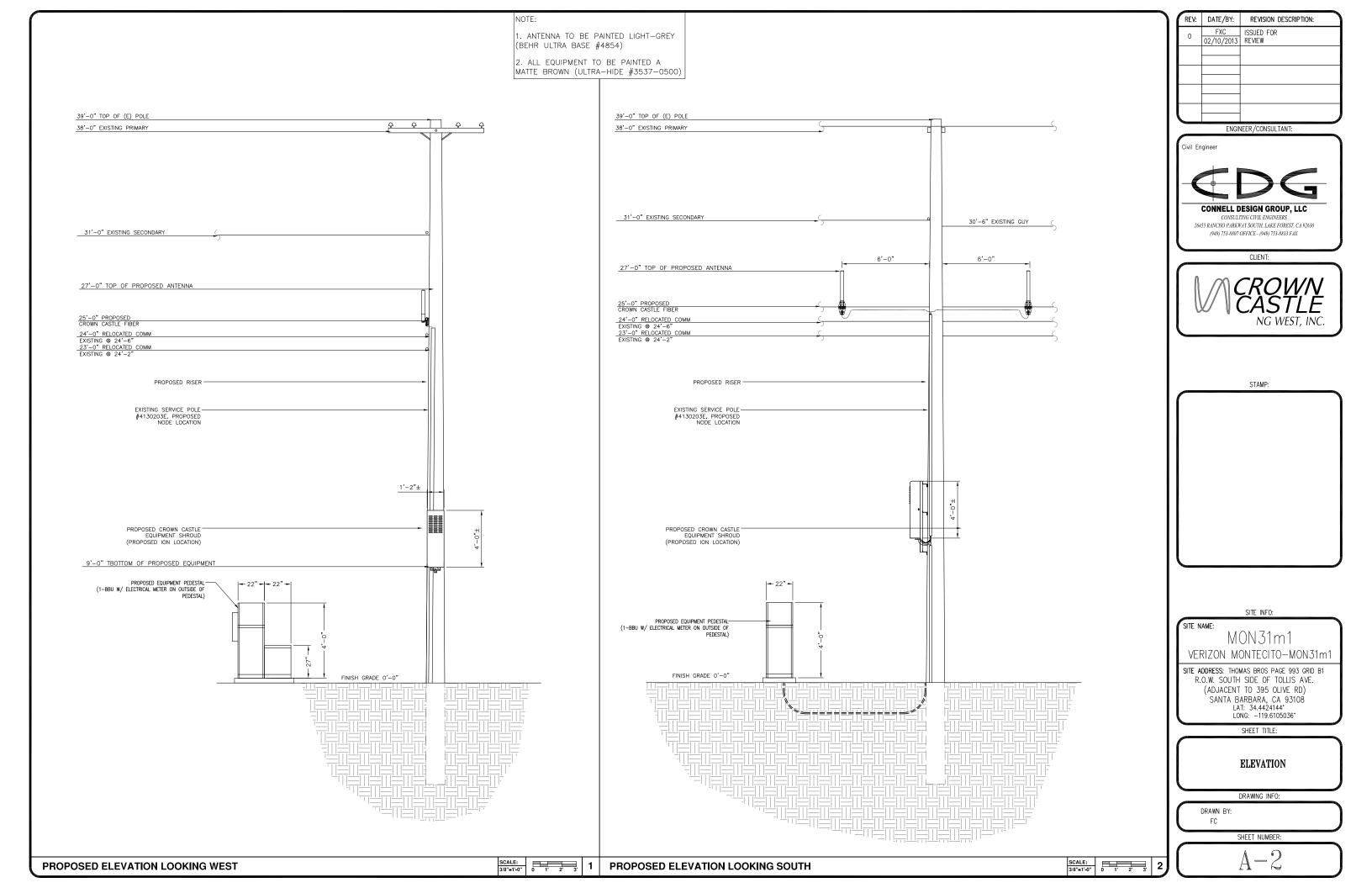
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SITE PLAN, ENLARGED SITE PLAN, EXISTING PHOTO AND RISER PROFILE

DRAWING INFO:

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SCALE: 2



Outdoor Omni-directional Antenna

COMBA

OOA-360V06N0-3 VPol, 696-960/1710-2170MHz, 360°, 4.0/6.0 dBi

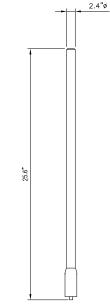
Technical Specifications

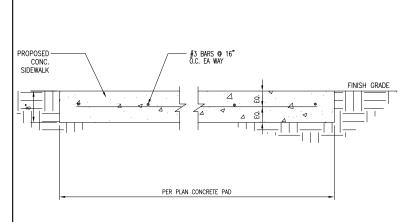
Electrical

Frequency Range	MHz	696-960	1710–2170
Polarization Gain	dBi	Vertio 4.0±1	6.0±1
Horizontal Beamwidth Vertical Beamwidth	deg dea	360 22-53	20–26
Electrical Downtilt-Fixed VSWR	deg	0 18	
Maximum Power Impedance Lightning Protection	W	200 50 Direct (

Mechanical

Dimensions, HxDia 650x60 (25.6x2.4) Weight, with Mounting kit 1 (2.2) Fiberglass, Light Grey Radome Material and Color Radiating Element Material Copper Connector Type and Location Operational Temperature N-Female, Bottom -55 to +70 95 Operational Humidity 200 (124) 670x100x100 (26.4x3.9x3.9) 1.2 (2.65) Operational Wind Speed km/h (mph) Shipping Dimensions HxWxD mm (in) Shipping Weight





1 | CONCRETE PAD **ANTENNA SPECIFICATIONS** N.T.S. N.T.S.

Electrical

Power Supply Mains power, Vac . 1100 max. Power consumption, Watts < 750 @ normal operation 700 MHz SISO/MIMO Frequency range, MHz . 698 to 716/776 to 787 728 to 757

Output power per carrier*, dBm

Number of Carriers 1 850 MHz

CDMA

Frequency range, MHz 824 to 849 869 to 894 Output power per carrier*, dBm 37

37

20W for Cell,

PCS bands and

700MHz MIMO

Noise figure, dB Mechanical****

Height, width, depth, mm (in) Weight, kg (lb)

Page 1, February 27, 2013 Company Confidential

1900 MHz

Frequency range, MHz 1850 to 1915 1930 to 1995

Output power per carrier*, dBm

GSM LTE



ION-M7P/7P/85P/19P

. 817 x 245 x 218 (32.2 x 9.6 x 8.6) 40 (88.2)

* TRENCH TO BE BACK FILL WITH NATIVE MATERIAL & COMPACTED TO 90% OR BETTER & REPLACE LANDSCAPING IN KIND.

NATIVE DIRT

3" DUCT





- > Compact enclosure design provides ideal fit for locations where aesthetics are important
- > Light-weight powder coated aluminum construction offers superior corrosion resistant properties
- > Large sun shield, reduces solar heat loading inside the cabinet
- > 180° stainless steel piano-hinged door (with two locking open positions) make installation and maintenance easy and convenient
- > Thermostat controlled filtered fan cooling and louvered vents ensure reliable operation in high temperature environments
- > Various mounting options (including pole mount) make this highly versatile in space constrained mobile broadband applications

Alpha's Multi Mount Outdoor Enclosure (MMOE) - Telecom, is a cost-effective and versatile enclosure ideal for space constrained locations. The Multi Mourt can be pole, host, wall or pedestal mourted and can accommodate Alpha's FDM UPS and up to four Alpha'0el™ 850XL or 195 GWL front terminal batteries. With a small form factor, the Multi Mourt is the perfect choice for locations where confined space necessitate oreative installation options.



Alpha Multi Mount Outdoor Enclosure - Telecom

Dimensions:	687H x 659W x 457D
Inches:	27H x 22W x 18D
Weight:	27 2kg (60/bs)
Construction:	High strength corrosion resistant aluminum
Finish:	Powder costed white color
Equipment space:	
Equipment space	EIA standard 19", 5FIU space with one
	battery shelf
Cable entrance:	Bottom of enclosure: 1 x 5" diameter
	knock-out
	(214" trade size) 4 x 1.125" diameter knock-out.
	(M, tage dgs)
Hinge type:	Ctainless steel plans hinge
Door prop:	Aluminum rod, 2 looking open positions
Door latch:	Belloore 216 compression look with padlock
	bracket

REVISION DESCRIPTION: REV: DATE/BY: ISSUED FOR 02/10/2013 REVIEW

ENGINEER/CONSULTANT:

Civil Engineer CONNELL DESIGN GROUP, LLC

> CONSULTING CIVIL ENGINEERS 26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX



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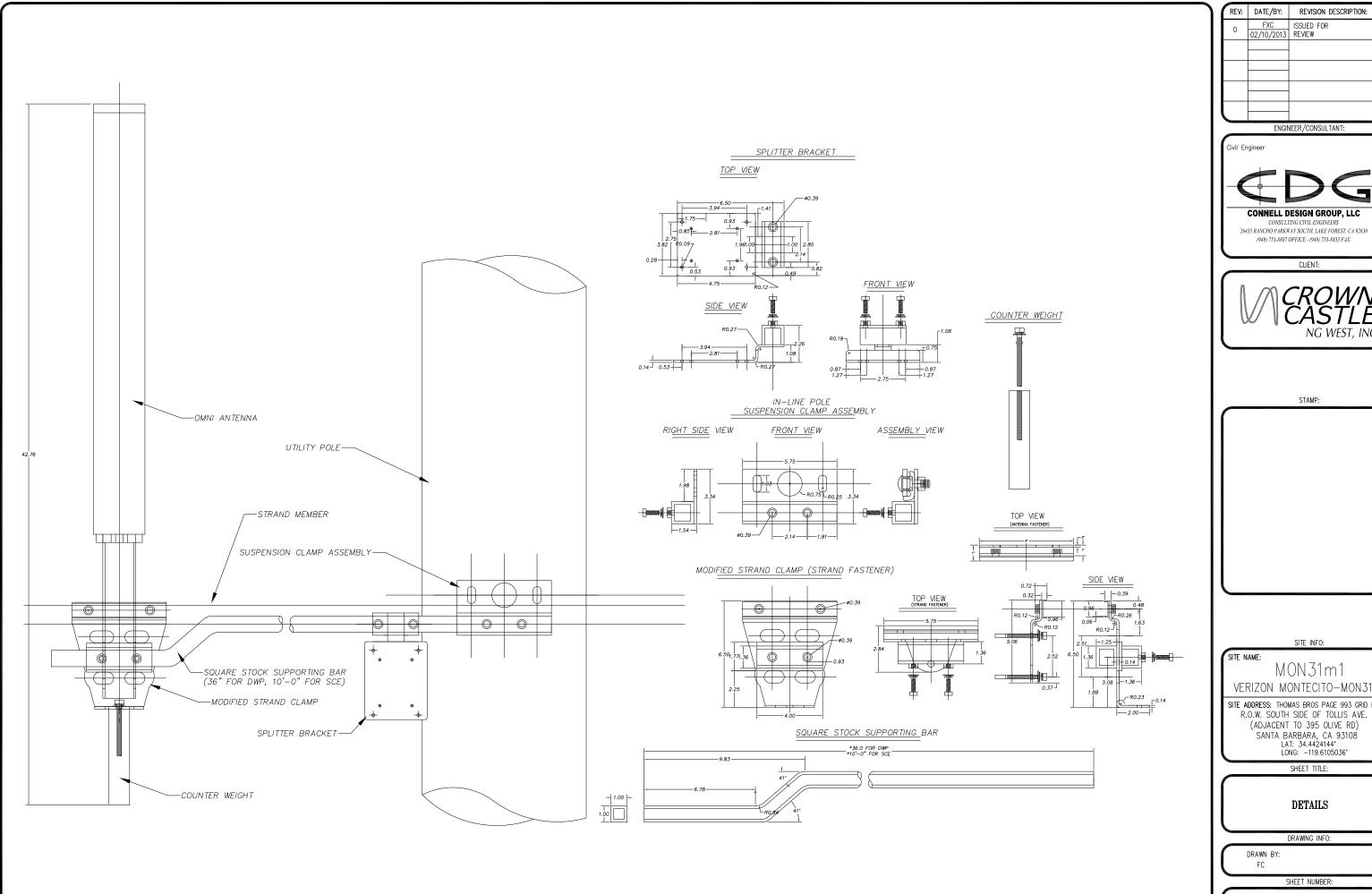
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TRENCH N.T.S. ION-M7P/7P/85P/19P N.T.S. PEDESTAL SPECIFICATIONS



ANTENNA MOUNT

	REV:	DATE/BY:	REVISION DESCRIPTION:
П	0	FXC 02/10/2013	ISSUED FOR REVIEW
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П			

ENGINEER/CONSULTANT:

Civil Engineer CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS

CLIENT:

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SANTA BARBARA, CA 93108
LAT: 34.4424144*
LONG: -119.6105036*

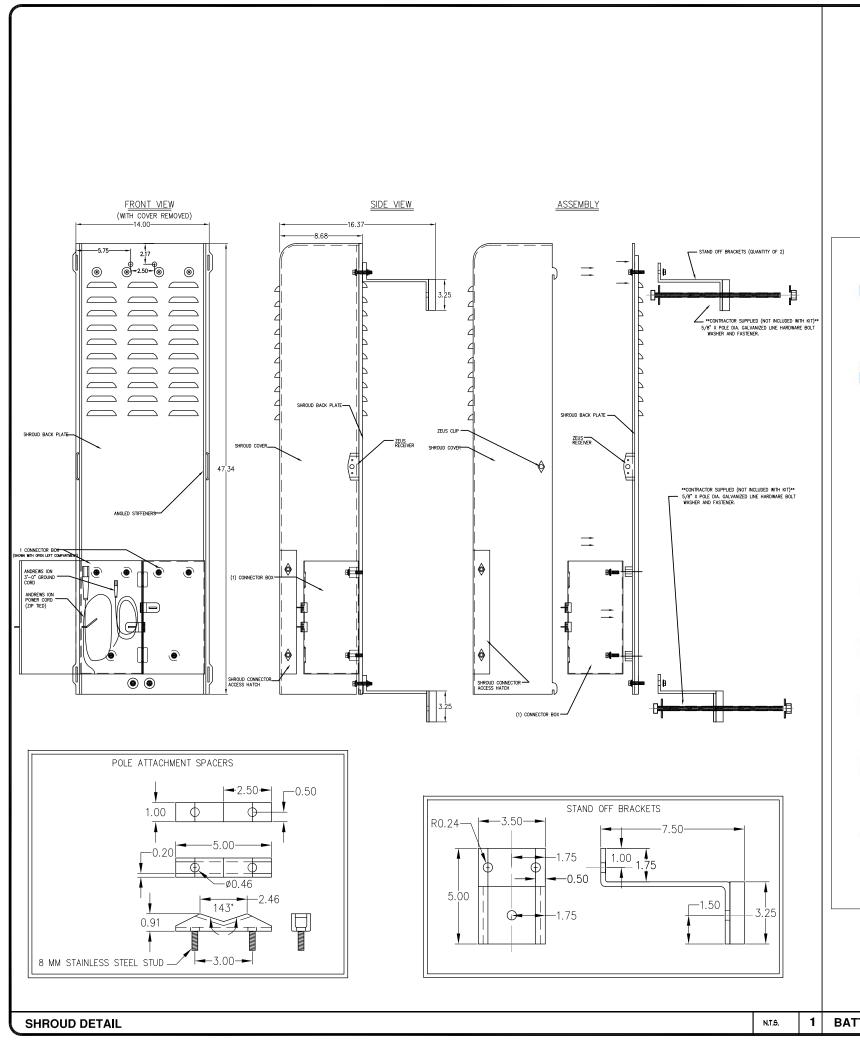
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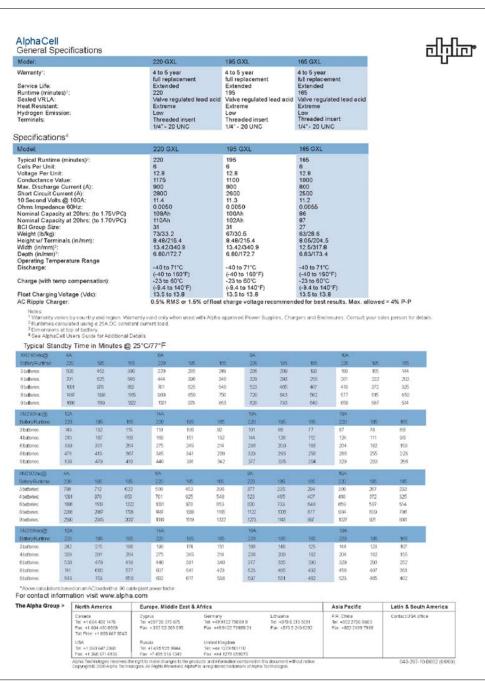
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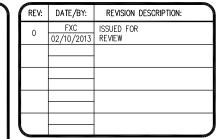
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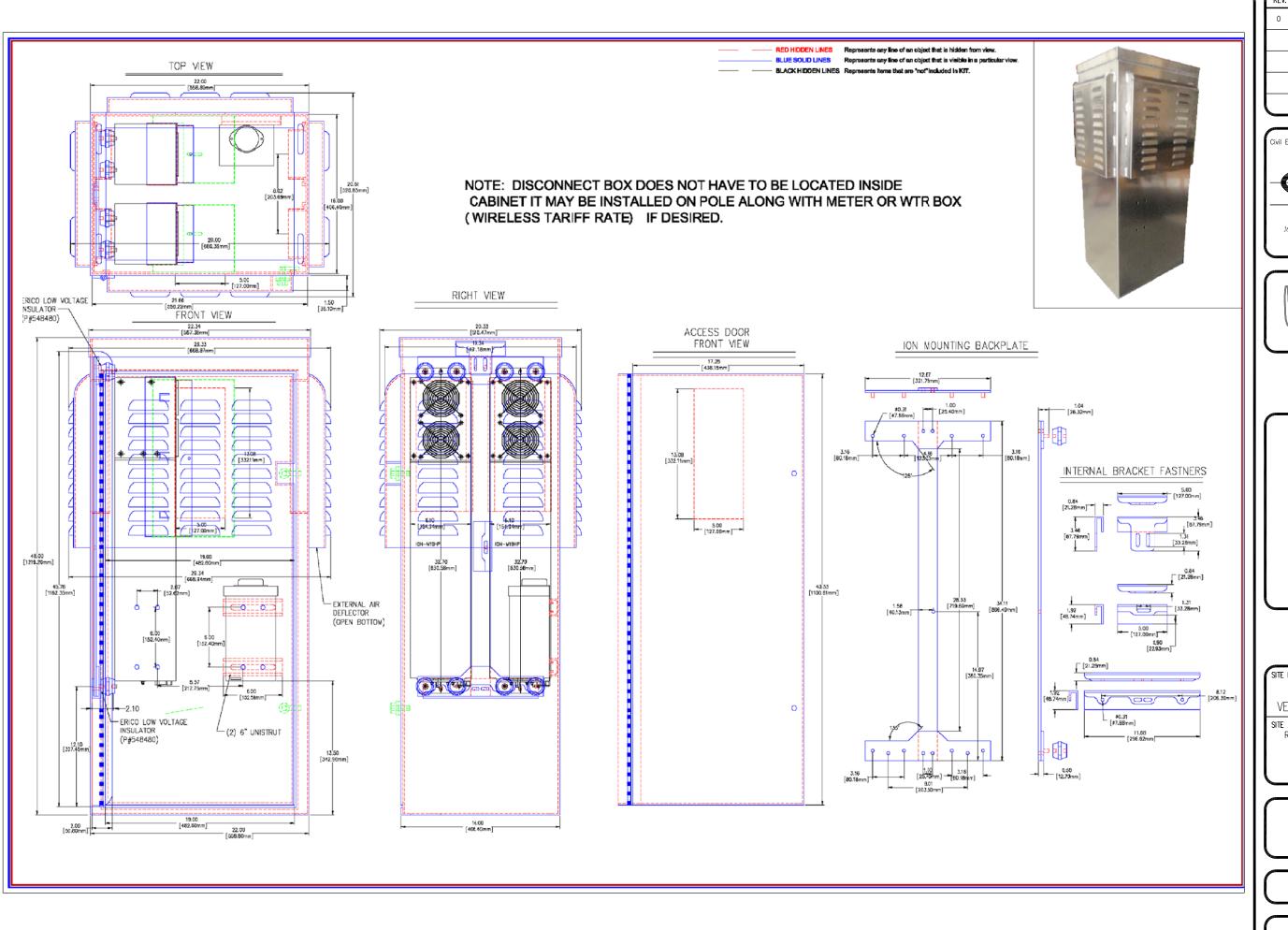
DRAWING INFO:

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SHEET NUMBER:

BATTERY SPECIFICATIONS

N.T.S.



PEDESTAL SPECIFICATIONS

ĺ	REV:	DATE/BY:	REVISION DESCRIPTION:
	0	FXC 02/10/2013	ISSUED FOR REVIEW

ENGINEER/CONSULTANT:



CLIENT:

(949) 753-8807 OFFICE - (949) 753-8833 FAX



STAMP:

SITE INFO:

ite name:

MON 31 m 1

VERIZON MONTECITO—MON31 m 1

SITE ADDRESS: THOMAS BROS PAGE 993 GRID B1 R.O.W. SOUTH SIDE OF TOLLIS AVE. (ADJACENT TO 395 OLIVE RD) SANTA BARBARA, CA 93108 LAT: 34.4424144* LONG: -119.6105036*

SHEET TITLE:

DETAILS

DRAWING INFO:

DRAWN BY FC

N.T.S.

SHEET NUMBER:

D-4

- . APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS
- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE
- 3, THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL. STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.)
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE IN THE CONTROLLOR STAIL BE RESPONSIBLE FOR SURVEY MOVIMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PESSEYWE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTINGED OR DESTROYED, THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.
- 7. CONTRACTOR SHALL SUBMIT TO THE LOCAL JURISDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MAINS PRIOR TO
- 8. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF
- 10. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND CAPITAL PROJECTS DEPARTMENT, FIELD ENGINEERING DIVISION.
- 11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROJECT.
- 12. PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO THI
- 13. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE LOCAL JURISDICTION FIELD ENGINEERING DIMSION.
- 14. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION SHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE. THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURISDICTIONS MONTHLY UTILITY COORDINATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS CUT WITHIN ANY OF THE CITY STREETS THAT HAVE BEEN CONSTRUCTED, REPAIRED, OR SLURRY SEALED WITHIN THREE YEARS OF THE STREET CONSTRCTUION/RESURFACING DATE.
- 15. MANHOLES OR COVERS SHALL BE LABELED "CROWN CASTLE" OR "CROWN CASTLE NG WEST".
- 16. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROCRAM DURING THE PROJECT CONSTRUCTION ACTIVITIES PROGRAM SHALL MEET THE APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD
- 17. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER
 SERVICES TO INDIVIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS OF PLANS IF REVISION IS NECESSARY BECAUSE OF LOCATION OF EXISTING UTILITIES.
- 3. LOCATION AND ELEVATIONS OF IMPROVEMENTS, TO BE MET BY WORK, SHALL BE CONFIRMED BY FIELD MEASUREMENT PRIOR TO
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT SMOOTH TRANSITION BETWEEN FINISH GRADES SHOWN.
- 5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITION DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS PROVISION SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED IN CONNECTION WITH THI PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LIABILITY ARISING FROM SOLE NEGLIGENCE OF THE OWNER OR THE
- 6. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLIANCE WITH THE PROVISIONS OF THE STATE OF CALIFORNIA SAFETY
- 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORROBORATED, WHERE POSSIBLE WITH FIELD TIES. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATIONS SHOWN, BOTH HORIZONTALLY AND VERTICALLY, PRIOR TO CONSTRUCTION. IF EXISTING LOCATIONS VARY SUBSTANTIALLY FROM THE PLANS, THE ENGINEER SHOULD BE NOTIFIED TO MAKE ANY CONSTRUCTION CHANGES REQUIRED.
- 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEWER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WITH PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION.
- 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUITS, AND LANE STRIPING DAMAGED DURING
- 10. THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATIONS TWO WEEKS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED
- 12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT.

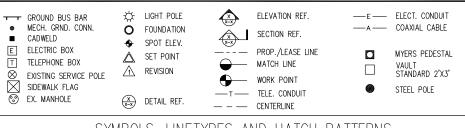


		CONSTRUCTION CHANGE TABLE
CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS

CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON32 R.O.W. EAST SIDE OF SAN LEANDRO LN. (ADJACENT TO 1564 RAMONA LN) SANTA BARBARA, CA 93108





SYMBOLS, LINETYPES AND HATCH PATTERNS

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

- IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION

PROJECT CONSISTS OF INSTALLATION OF:

1. (2) OMNI DIRECTIONAL ANTENNAS ON EXISTING UTILITY POLE

2. EQUIPMENT VAULT AT BASE OF EXISTING POLE

3. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF

SHEET INDEX:

TITLE SHEET	T-1 - SHEET 1 OF 9
TOPOGRAPHIC SURVEY	C-1 - SHEET 2 OF 9
SITE PLAN	A-1 - SHEET 3 OF 9
PROPOSED ELEVATIONS	A-2 - SHEET 4 OF 9
GRADING PLAN	A-3 - SHEET 5 OF 9
DETAILS	D-1 - SHEET 6 OF 9
DETAILS	D-2 - SHEET 7 OF 9
DETAILS	D-3 - SHEET 8 OF 9
DETAILS	D_4 _ CHEET 0 OF 0

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS. SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- 1. ALL REQUIREMENTS OF THE LOCAL JURISDICTION "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER AND/OR WATER POLLUTION CONTROL PLAN (WPCP).
- 2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- 3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00" FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- 4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION
- 5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- 6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- 8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- 11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER. 12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE
- OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY. 13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH
- WORKING DAY WHEN RAIN IS IMMINENT. 14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE
- 15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL

MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES. TRAFFIC CONTROL NOTES

FROSION/SEDIMENT CONTROL MEASURES.

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A

FOOTAGE TOTALS			
ASPHALT CUT	-		
DIRT TRENCH	-		
PUNCH THRU	-		
BORE	-		
TOTAL	=		
R&R SWF TOTAL	-		

PROJECT DICTIONARY

R.O.W. EAST SIDE OF SAN LEANDRO LN. SITE ADDRESS: (ADJACENT TO 1564 RAMONA LN) SANTA BARBARA, CA 93108

CROWN CASTLE NG WEST, INC APPLICANT: 2125 WRIGHT AVE. SUITE #C9 LA VERNE, CA 91750

CONTACT: HEIDI PAYNE PHONE: (949) 300-9493

CONNELL DESIGN GROUP, LLC CIVIL ENGINEER: 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310-8233 PHONE (949) 753-8833 FAX

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1	REV:	DATE/BY:	REVISION DESCRIPTION:
	0	FXC 03/20/2013	ISSUED FOR REVIEW
	1	FXC 03/24/2013	ISSUED FOR FINAL
	2	FXC 08/02/2013	ISSUED FOR FINAL
	3	FXC 11/06/2013	ISSUED FOR FINAL
	4	FXC 03/08/2013	ISSUED FOR FINAL

ENGINEER/CONSULTANT:

Civil Engineer CONNELL DESIGN GROUP, LLC

26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630

(949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:



STAMP:

SITE INFO:

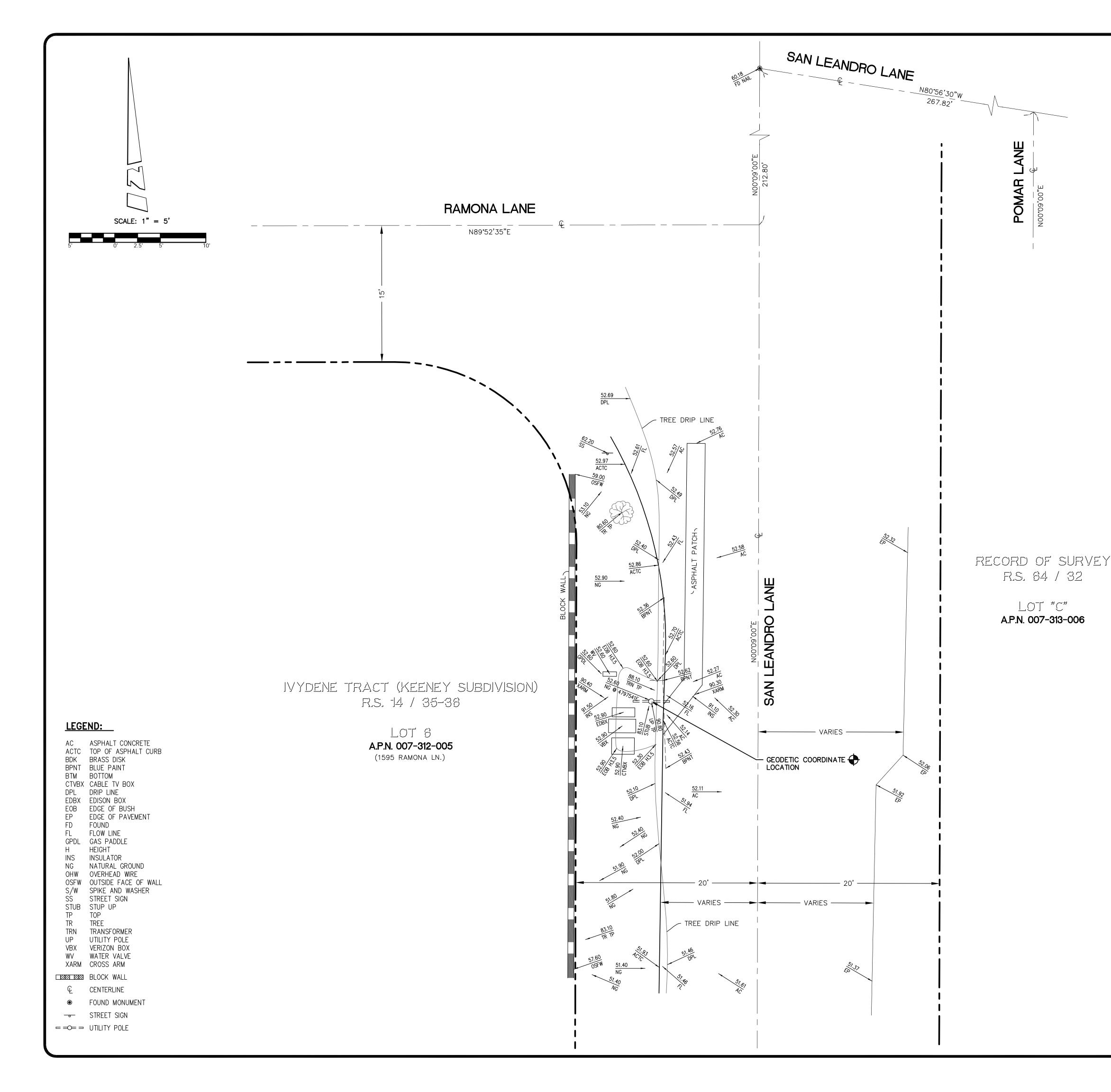
MON32 VERIZON MONTECITO-MON32

SITE ADDRESS: THOMAS BROS PAGE 997 GRID A3 R.O.W. EAST SIDE OF SAN LEANDRO LN. (ADJACENT TO 1564 RAMONA LN) SANTA BARBARA, CA 93108 LAT: 34.42538 LONG: -119.62675

SHEET TITLE:

TITLE SHEET

DRAWING INFO:



COORDINATES: 🕀

LATITUDE 34°25'31.07" N LONGITUDE 119°37'36.56" W

NAD 1983 GEODETIC COORDINATES AND ELEVATIONS WERE ESTABLISHED USING SURVEY GRADE "ASHTECH" G.P.S. RECEIVERS AND ASHTECH SURVEY GRADE PRECISION SOFTWARE FOR POST—PROCESSING.

BASIS OF BEARINGS:

THE CENTERLINE OF SAN LEANDRO LANE BEING NORTH 80°56'30" WEST PER RECORD OF SURVEY, R.S. 64/32, RECORDS OF SANTA BARBARA COUNTY.

ASSESSOR'S IDENTIFICATION:

N/A

AREA:

N/A

TITLE REPORT IDENTIFICATION:

N/A

EASEMENT NOTES:

N/A

LEGAL DESCRIPTION:

N/A

BENCH MARK REFERENCE:

U.S.G.S. BENCH MARK "BM 37"

UNITED STATES GEOLOGICAL SURVEY BENCH MARK "BM 37" AS SHOWN ON THE "SANTA BARBARA" 7.5 MINUTE QUADRANGLE MAP.

ELEVATION: 39.5 FEET A.M.S.L. (NAVD88) (DATUM VERIFIED IN FIELD TO BE WITHIN 1-A ACCURACY STANDARDS)

DATE OF SURVEY:

JULY 10, 2013

SURVEYORS NOTE:

THE RIGHT OF WAY LINES AND THEIR DIMENSIONS SHOWN HEREON ARE PER READILY AVAILABLE RECORDED INFORMATION AND THEIR LOCATIONS ARE APPROXIMATE, PENDING RECEIPT OF TITLE REPORT(S) FOR THE ADJACENT REAL PROPERTY.

LIVING PLANTS STATEMENT:

THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY VALID FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.

REV:	DATE/BY:	REVISION DESCRIPTION:
1	07/19/13	ISSUED FOR REVIEW
	MDL	

ENGINEER/CONSULTANT:



CONSULTING CIVIL ENGINEERS
26455 RANCHO PKWY. SOUTH
LAKE FOREST, CA 92630-8326
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SITE BUILDER:



SURVEYOR:

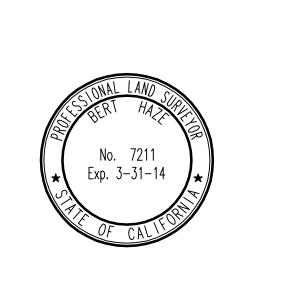
BERT HAZE

AND ASSOCIATES, INC.

LAND SURVEYING & MAPPING
3188 AIRWAY AVENUE, SUITE K1
COSTA MESA, CALIFORNIA 92626
714 557-1567 OFFICE
714 557-1568 FAX

JN. 706.244

STAMP:



SITE INFO:

SITE NAME:

MON32 VERIZON MONTECITO-MON32

SITE ADDRESS:

R.O.W. WEST SIDE OF SAN LEANDRO LN (ADJACENT TO 1595 RAMONA LN) SANTA BARBARA, CA 93108

SHEET TITLE:

TOPOGRAPHIC SURVEY

DRAWING INFO:

DWG. NAME: DRAWN BY: DATE: MON32 MDL 07/19/13

SHEET NUMBER:

. . . .

C-1

