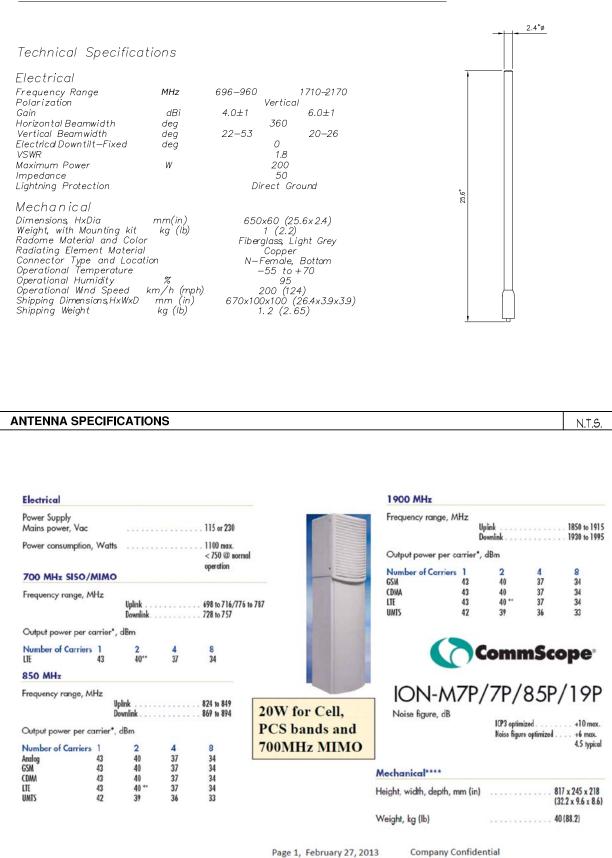


Outdoor Omni-directional Antenna

Comba





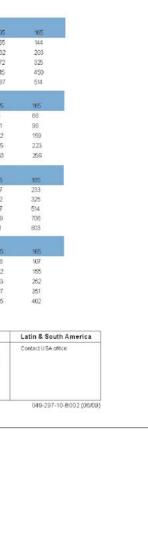
Model:	pecifica	LIONS		220 GXL		105	GXL		165 GXL			
Numero Contractoria da Contractori					and the second s	1.000						
Warranty': Service Life: Runtime (minu Sealed VRLA: Heat Resistant Hydrogen Emis Terminals:	: ssion:			4 to 5 ye full repla Extende 220 Valve re Extreme Low Threade 1/4" - 20	cement d gulated lea d insert	full Ext 195 d acid Val Ext Lov Thr	ve regulate reme	l lead acid	4 to 5 year full replace Extended 165 Valve regu Extreme Low Threaded 1/4" - 20 U	ement Ilated lead a insert	cid	
Specificatio	ns4										_	
Model:				220 GX	Ļ	19	5 GXL		165 GXL			
Typical Runtim Cells Per Unt: Voltage Per Un Conductance V Max. Discharg Short Circuit C 10 Second Vol Ohms Impedar Nominal Capae BCI Group Siz- Weight (Ib/Kg): Weight (Ib/Kg): Height W/ Terr Width (in/mm) ³ Depth (in/mm) ³ Depth (in/mm) ³	iit: /alue: e Current urrent (A): ts @ 100A nce 60Hz: sity at 20h sity at 20h e: tinals (in/n :	(A): : rs:(to 1.75∨ rs:(to 1.70∨ nm):		220 6 12.8 900 2800 11.4 0.0050 109Ah 110Ah 31 73/33.2 8.48/216 13.42/34 6.80/172 -40 to 71 (-40 to 1	10.9 2.7 1°C	100 103 31 67/ 8.4 13. 6.8	8 00 00		165 6 12.8 1000 800 2500 11.2 0.0055 86 87 27 63/28.6 8.05/204, 12.6/317.3 6.83/173, -40 to 71 ^s (-40 to 16	8 4 C		
Charge (with te	emp comp	ensation):		-23 to 60	D°C	-23	to 60°C 4 to 140°F)		-23 to 60°	C		
Float Charging AC Ripple Cha		Vdc):		(-9.4 to 13.5 to 1	3.8	13.	5 to 13.8		(-9.4 to 14 13.5 to 13			- 404
² Runtimes d	calculated u	sing a 25A DO	on, Warn Constar	anty valid only wh at current load.	en used with	Alphe appro	wed Power S	upplies, Char	gers and Enc	dosures. Cons	ult your sal	es pers
 Warranty v Runtimes o Dimension 	salculated u s at top of b Call Users (sing a 25A D0 attery. Guide for Addi	C constan tional De	t current load. tails	en used with	Alpha appro	wed PowerS 84 200	upplies, Char	gers and Env	10A 220	ult your sel 195	les pers
¹ Warrarty v ² Runtimes o ³ Dimension ⁴ See Alphai Typical Sta 30/290Vad2 BettervRuntime 3 bettervs	calculated u s at top of b Cell Users (ndby Tim 4A 220 508	sing a 25A DC attery. Suide for Addi ne in Minut 195 453	C constar tional De es @ 2 185 396	tails, 5°C/77°F 6A 220 320	195 285	165 249	84 220 236	195 209	105 103	104 220 156	195 165	les peri
¹ Warranty v ² Runtimes o ³ Dimension ⁴ See Alphai Typical Sta 24/290Vac2 BatteryRuntime	calculated u s at top of b Cell Users (ndby Tim 4A 220	sing a 25A DC attery. Suide for Addi ne in Minut 195	C constan tional De es @ 2 185	tails. 5°C/77°F 6A 220	195	165	84, 220	195	185	10A 220	195	les pers
¹ Warrarty v ² Runtimes o ³ Dimension ⁴ See Alphai Typical Sta 30/260Vac@ Battery Runtime 3 beteries 6 bateries 6 bateries	calculated u s at top of b Cell Users (ndby Tim 4A 220 508 701 1091 487	sing a 25A DC attery. Suide for Addi ne in Minut 195 453 625 978 1338	C constan tional De es @ 2 185 396 546 853 1165	tails 5°°C/77°F 6A 220 320 444 701 960	195 285 396 625 859	165 249 346 546 750	84 220 236 329 523 720	195 209 293 465 643	185 193 256 407 562	104 220 186 261 418 577	185 165 232 372 515	les pers
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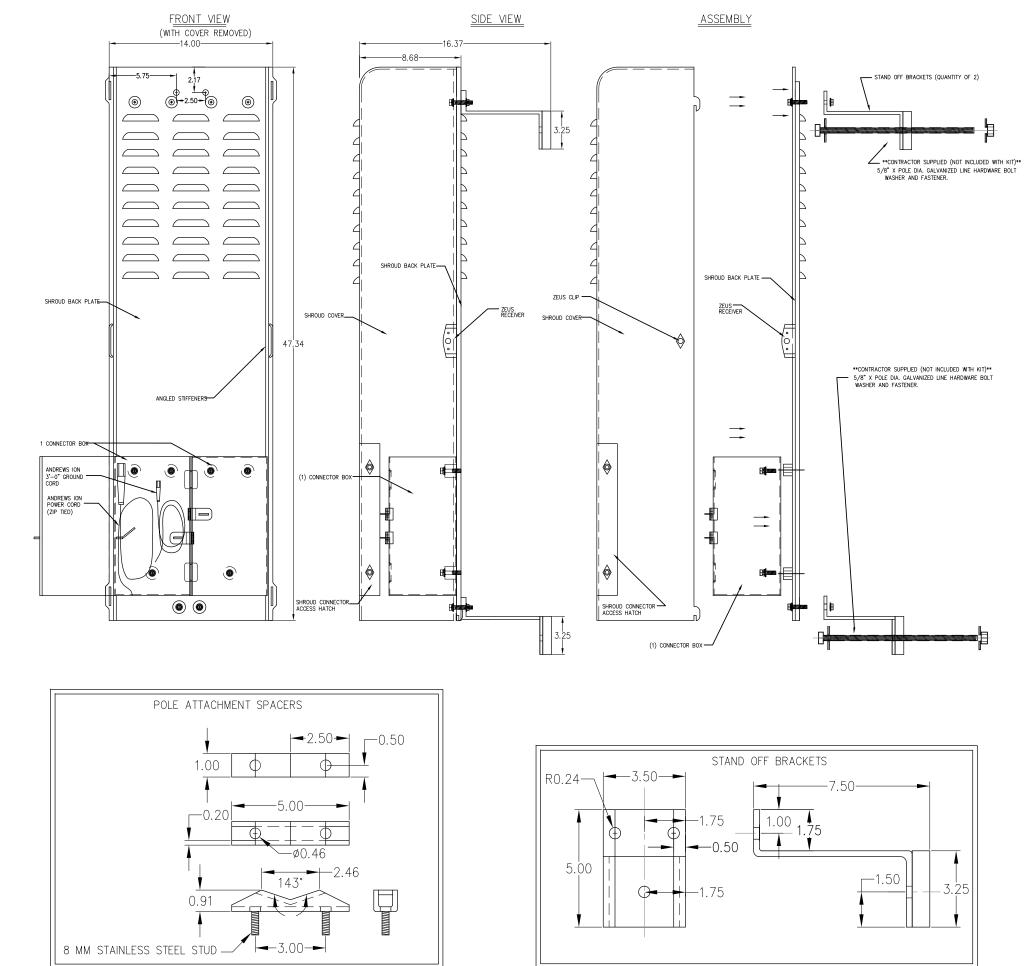
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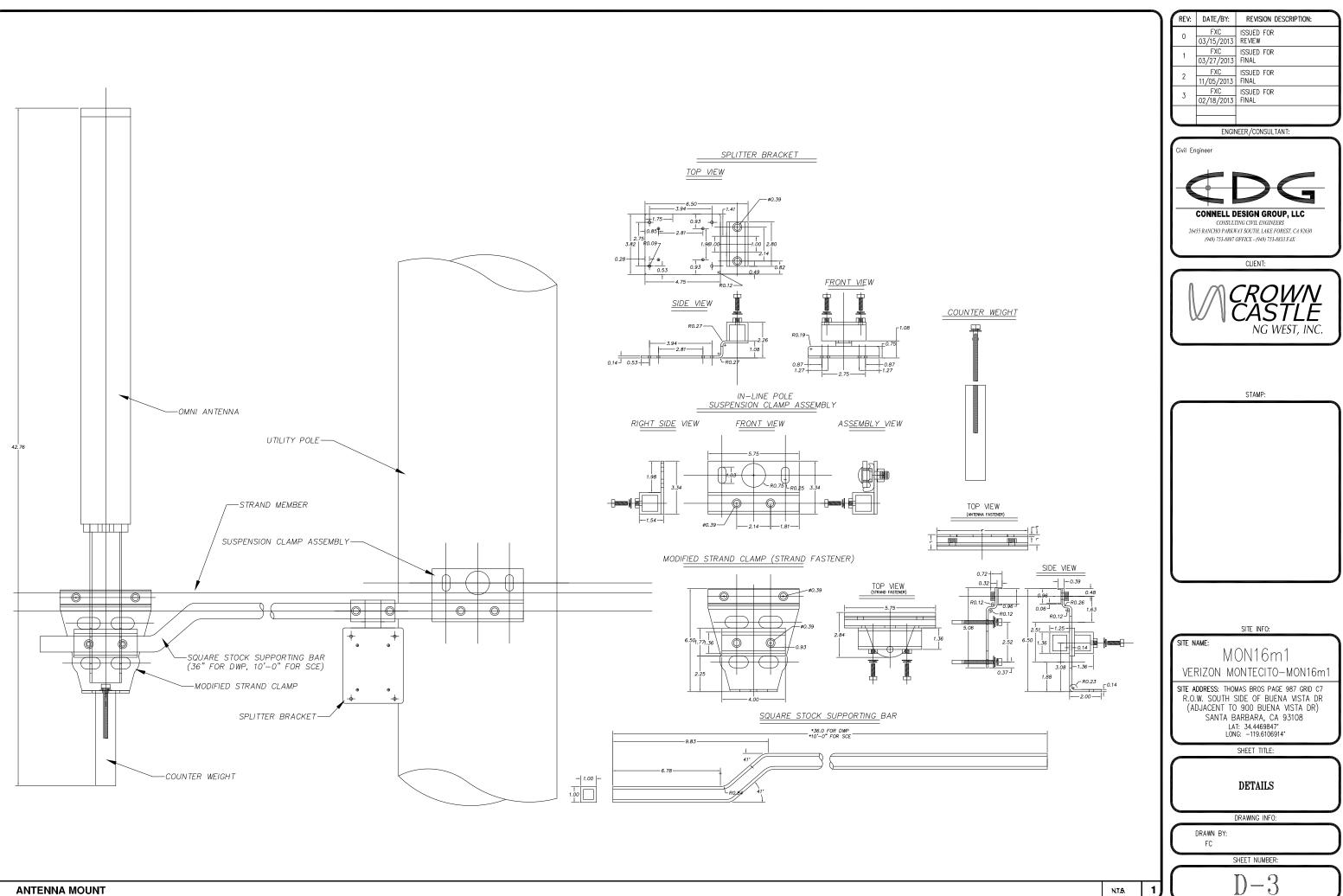
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REV:	DATE/BY:	REVISION DESCRIPTION:
	FXC 03/15/2013	ISSUED FOR REVIEW
1	FXC 03/27/2013	ISSUED FOR FINAL
2	FXC 11/05/2013	ISSUED FOR FINAL
3	FXC 02/18/2013	ISSUED FOR FINAL
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Civil Er	ngineer	
		ESIGN GROUP, LLC
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CUIVER FIELD OF ADDED SHET NUMBERS	TION CHANGE				 THE CONTRACTOR SHALL SUBMIT WORK PLANS FOR ALL BORE OPERATONS TWO WEEKS PROR TO COMMENCING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITES THAT CROSS THE PROPOSED TRENCH LINE AND WIST MANTAIN 1' MINIMUM VERTICAL CLEMANCE. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PROR TO ACCEPTINCE OF THIS PROLECT. 	SHOLD BE NOTED TO UNK ANY CONSTRUCTION. IF EXAMINE GLOADINGS WAY SUBSIMUMALET FROM THE FAMILY, THE EMMERY SHOLD BE NOTED TO INKE ANY CONSTRUCTION CHARGE REQUIRED. 8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR ALL SEMER AND WATER MAIN UNDER CROSSING IN ACCORDANCE WHI PART 1 SECTION 5-2 OF THE STANDARD SPECIFICATION. 9. THE CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNL LOOPS, CONDUTS, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.	6. HE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR COMPLANCE WITH THE PROVISIONS OF THE STATE OF CALFORMA SWEETY ORDERS. 7. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE FROM EXISTING RECORDS AND CORREDORATED. WHERE POSSIBLE WITH FRED THES. THE CONTRACTOR IS RESPONSIBLE FOR COMPLANNE THE CALTORING SHOWN ADDIT HORCONTALLY AND INSTITUTION PERPERT TO CONTRACTOR IS RESPONSIBLE FOR COMPLANNE THE CALTORING SHOW ON THE FORMATED AND INSTITUTION PERPERT TO CONTRACTOR IS RESPONSIBLE FOR COMPLANNE THE FORM THE FORMATED.	5. OMPRACTOR AGEES THAT HE SHALL ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONTINUOUSING HE COMERE OF CONSTRUCTION OF THIS PROJECT, NULLING SERTY OF ALL PERSONS MON PAPERTY. THAT THIS PROVISION SHALL JOPA' CONTINUOUSIY AND THE ELIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, NUDEWIFY AND HOLD THE OWNER AND THE ELIMITER HAMALESS FROM ANY AND ALL LUBILITY, REAL OR ALLEEDD IN COMINETION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXPECTING FOR LUBILITY ARSING FROM SOLE ALEGUENCE OF THE OWNER OR THE ENGINEER.	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.	 The contractory shart verter the control costing underground utilities including share controls share underground in the control state of the cost of	THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S STONATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF THESE NOTES AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.	SPECIAL NOTES	 Contractor Shull Impected and Scidnent Contral Procesm During The Project Construction Activities. Infe Processing Shull meet the Applicable requirements of the State mater Resource Control Board. The Contractor Shull here Energency Internals and Doubment on Hang treat Universities Statistics. Such AS DAMAGE TO UNDERGROUND WATER, SENER, AND STORM DRAIN FACULTES WHEREBY FLOWS MAY CENERATE EROSION AND SEDMENT POLLUTION. 	THE STREET CONSTRCTUUDY/RESUMFACING DATE. 15. MANHOLES OR COVERS SHALL BE LABELED "OROWN CASTLE" OR "OROWN CASTLE NG WEST".	AREAGEMENTS FOR A PRE-CONSTRUCTION METTING WIT HE LOCAL JURGSDOTTON FLD ED BONKETENK ONSON. 14. PROR TO THE COMMENCEMENT OF ANY CONSTRUCTION SCHOWN ON THESE PLANS. IT IS THE SOLE RESPONSIBILITY OF THE COMERNATION COMMUNE: THE CONTRACTOR IS RESPONSIBLE TO ATTEND THE LOCAL JURGSDOTTONS MONTHLY THETY COMERNATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS COMERNATION COMMITTEE THE CONSTRUCTION ACTIVITIES WITH THE CITY AND ALL OTHER CONTRACTORS SO THAT NO TRENCH IS	12. PIBLIC IMPROPENDENT SUBJECT TO DESULTIDE OF DAMAGE". IF REDAR OR REPLACEMENT OF SUCH PUBLIC IMPROPENDENTS IS RECURED, THE OWNER SWALL OFFAN THE REQURED PERMITS FOR WORK IN THE PUBLIC RIGHT-OFWAY, SATISFACTORY TO THE PERMIT - ISSUER AUTHORITY. 13. PRIOR TO ANY DISTURBANCE TO THE STE, EXCLUDING UTILITY MARKS-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE	9 COMPRECISE SHALL NOTIFY THE LOCAL UNESCICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORNIDEANN WANI WICLIDING ALL CROSSINGS. 4 10. THIS PROLECT WILL BE INSPECTED BY ENGINEERING AND CAPACITY A PROLECT'S DEPARTMENT, FIELD ENGINEERING DIVISION. 11. AS-BULIT DRAWINGS WIST BE SUBMITED TO THE CITY RESIDENT ENGINEER PRIOR TO THE ACCEPTANCE OF THIS PROLECT.	 COMMERCING SHALL SUBMIT TO THE LOCAL JURSDICTION, A CONSTRUCTION PLAN TO PROTECT WATER MANS PRIOR TO COMMENCING CONSTRUCTION. B. CONTRACTOR SHALL REPLACE OR REPAR ALL TRAFFIC SIGNAL LOOPS, CONDUT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION. 	BEFORE A "PENAIT D EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO DWYS BEFORE YOU DIG. 6. COMPRECIDE SMALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MANTAN 1' MANAUM VERTICAL CLEADANCE.	destroped, the local Jurbsdiction. Field Surrey Section Must be notified, in Writing, at least 3 days prior to the construction. The contractor mul be responsible for the cost of replacing any vertical control benchmarks destroped by the construction.	4. THE CONTRACTOR SHALL BE RESPONSELE FOR SURFEY MOMILIARITS AND/OR VERTICAL CONTRAL BECHANINGS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LWAD SURFEYOR MUST FREL DICATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL CONTRALLING NOMMENTS BY A LWAD SURFEYOR, A COMER MIST FREL DICATE, REFERENCE, AND/OR PRESERVE ALL WITH APPROPRIATE INVILUENTS BY A LWAD SURFEYOR, A COMER RECORD OR RECORD OR SURFEY, SA SPROFENATE, SHALL BE FIELD AS RECURRED BY THE ROFESSIONUL, AND SURFEYORS, ACT, IF ANY VERICAL CONTROL IS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND SURFEYORS ACT, IF ANY VERICAL CONTROL TS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND SURFEYORS ACT, IF ANY VERICAL CONTROL IS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND SURFEYORS ACT, IF ANY VERICAL CONTROL IS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND SURFEYORS ACT, IF ANY VERICAL CONTROL IS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND SURFEYORS ACT, IF ANY VERICAL CONTROL IS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND SURFEYORS ACT, IF ANY VERICAL CONTROL IS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND SURFEYORS ACT, IF ANY VERICAL CONTROL IS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND SURFEYORS ACT, IF ANY VERICAL CONTROL IS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND SURFEYORS ACT, IF ANY VERICAL CONTROL IS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND SURFEYORS ACT, IF ANY VERICAL CONTROL IS TO BE DISTURBED OR DISTURBED FOR DESTROYED AND DESTROYED AND DESTROYED DISTORED OR DISTORED DISTURBED OR DISTORED DISTORED DISTORED DISTORED DISTORED DISTROYED DISTORED DISTROPANTINED DISTORED DISTORED DISTORED DISTORED	3. The APPOND OF THIS PAN OR SSUMCE OF A PENUT BY THE LOCAL JURISDICTION DOES NOT AUTHORIZE THE SUBDADER AND OWNER TO VOLATE ANY FEDERAL STATE OR CITY LWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDINS, BUT NOT LIMITED TO, THE FEDERAL ENDANCERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEC).	<u>GENERAL NOTES</u> 1. APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS BEEN ISSUED. 2. UPON ISSUENCE OF A FERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLDAYS WITHOUT PERMISSION FROM THE PROMETENCE DEFEORMENT	
IL CULUE FINITION FINITION	APPIICARIE CONES DEROURCE DESCRIPTION	SIMBOLS, LINETIES AND TAIOTEAT	INFTYDES AND HATCH	• • •			VICINITY MAP - N.T.S.	ROMER	O CAJ	VYON R				A REAL PROPERTY AND	FOLE# GITSTE	SITE: VERIZON MONTECITO-MON17m1			SANTA BARBARA, CA 93	CENT TO 656 ROMERO C.	R.O.W. EAST SIDE OF ROMERO C		CROWN CASTLE NG WE	
STICE			TERNIC	 MYERS PEDESTAL VAULT STANDARD 2'X3' STEEL POLE 	— E — ELECT. CONDUIT — A — COAXIAL CABLE			And I want							金いい		torial a	12. 3 J 2 10	93108	ON R	CANYON RD		EST, LLC	

ASTLE NG WEST, LLC: EROSION AND SE

2. FOR STORM DRAIN INLETS, PROV OF INLET AS INDICATED ON DETAILS.

3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL DISURIE THAT INITIE DRAINING TO THE SUMP IS DIRECTED INTO THE INIET AND THAT A MINIMUM OF 1.00° FREEDOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEDOARD IS NOT FREEDOARD SHOWN ON HESS PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.

Civil Engineer

ACTIVITY. UNLINED DITCHES AFTER EACH RAINFA

STE AT CONVENIENT LOCATIONS TO F 7. EQUIPMENT AND WORKERS FOR TIMES DURING THE RAINY SEASON, AI THE CONTRACTOR SHALL REMOVE EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL LL NECESSARY MATERIALS SHALL BE STOCKPILED ON FACILITATE RAPID CONSTRUCTION OF TEMPORARY SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.

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

LIENT:

CONNELL DESIGN GROUP, LLC

L.

EVICES WHEN RAIN IS IMMINENT.

AFTER EACH RUN-OFF PRODUCING RAINFALL. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO MORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER

MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE. THE CONTRACTOR SHALL INSTAL ADDITIONAL EROSION CONTROL MEASURES AS

12. GRADED AREAS AROUND THE PROJECT PERMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

STAMP:

13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH

VORKING DAY WHEN RAIN IS IMMINENT

14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFED PERSON CAN PROVIDE

EROSION/SEDIMENT CONTROL MEASURES.

15. THE CONTRACTOR SHALL ARRANCE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (SENERAL CONTRACTOR, QUALIFED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL. NOTES

RAFFIC CONTROL (EASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

THE CONTRACTOR SHALL SUBWIT A TRAFFIC CONTROL PLAN ($11^{\circ} \times 17^{\circ}$) FOR APPROVAL PROR TO STARTING WORK. THE PLAN SHOLL DE SUBWITED TO THE TRAFFIC CONTROL PERMIT COUNTER. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A UNMAUNT FIVE (S) DAYS IF WORK MILL AFFECT A SUASY OF AN EXISTING WORK, AND A MINIMUM FIVE (S) DAYS IF WORK WILL AFFECT A BULS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A DOUD OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A BUS STOP OR AN EXISTING TRAFFIC ROAD OR ALLEY CLOSURE.

DIRT TRENCH

ASPHALT CUT

FOOTAGE TOTALS

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INDEX:

CIVIL ENGINEER:

CROWN CASTLE NG WEST, LLC 2125 WRGHT AVE, SUITE #C9 LA VERNE, CA 91750 CONTACT: HEIDI PAYNE PHONE: (949) 310–9493 CONNELL DESIGN GROUP, LLC 26455 RANCHO PARKWAY SOUTH LAKE FOREST, CA 92630 CONTACT: FRANK CARTER (949) 310–8233 PHONE (949) 753–8833 FAX

DRAWN BY: FC

TITLE SHEET

APPLICANT:

SITE ADDRESS:

R.O.W. EAST SIDE OF ROMERO CANYON RD (ADJACENT TO 656 ROMERO CANYON RD) SANTA BARBARA, CA 93108

PROJECT DICTIONARY

SITE ADDRESS: THOMAS BROS PAGE 997 GRID C1 R.O.W. EAST SIDE OF ROMERO CANYON RD (ADJACENT TO 654 ROMERO CANYON RD) SANTA BARBARA, CA 93108

LAT: 34.4382586* _ONG: -119.6016077*

VERIZON MONTECITO-MON17m1

MON17m1

SITE INFO:



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CONTROL
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. ISSUED FOR FINAL REVIEW

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

1. ALL RECIMENENTS OF THE LOCAL JURGISTION "JAND DEVELOPMENT MANUAL, STORM MATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE REPORED GRADING/INFO/DENENTS CONSTENT WITH THE AFFROVED STORM WATER AND/OR WATER POLLUTION CONTROL FLAN (MPCP).

NDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM

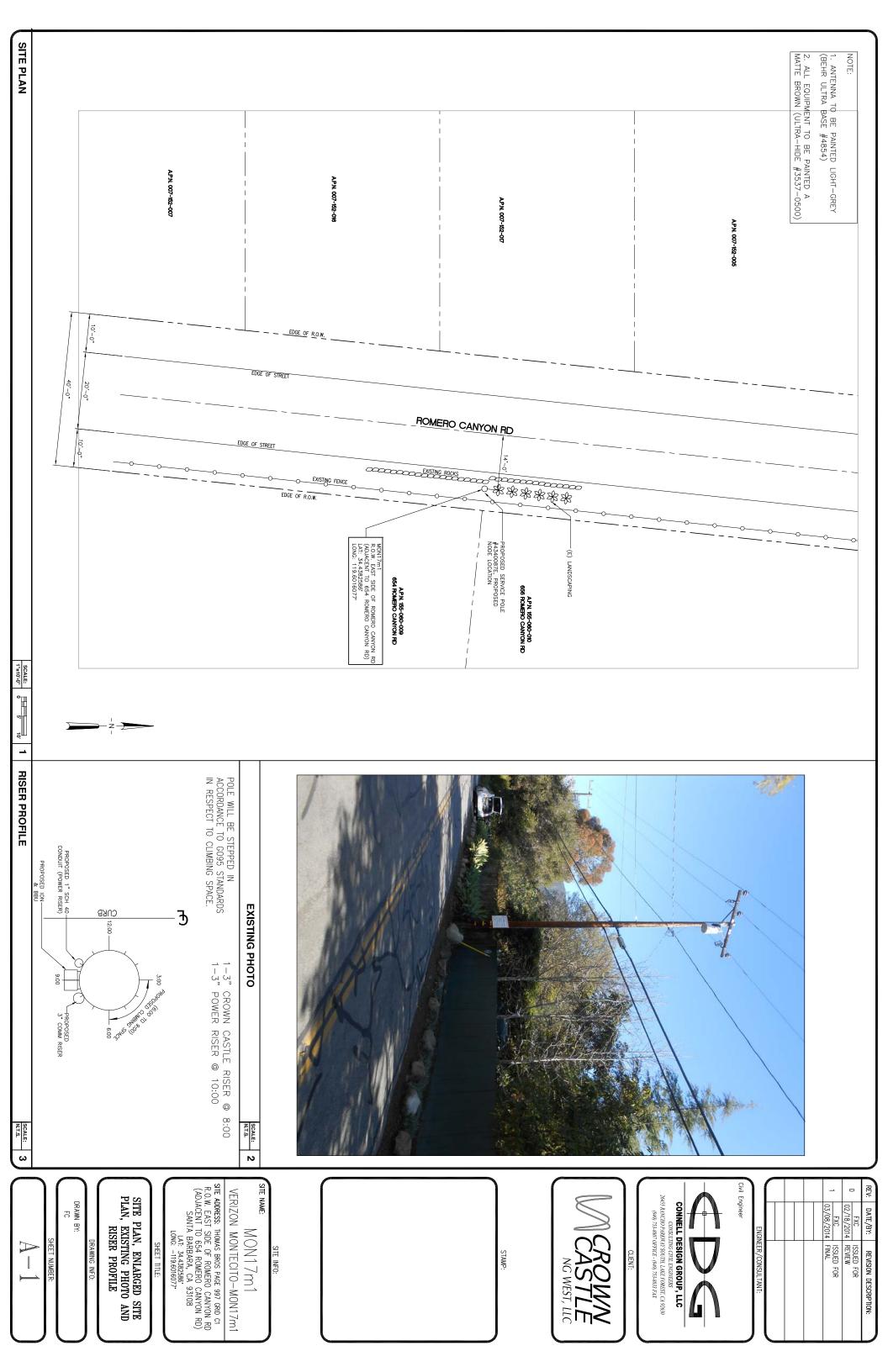
4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION

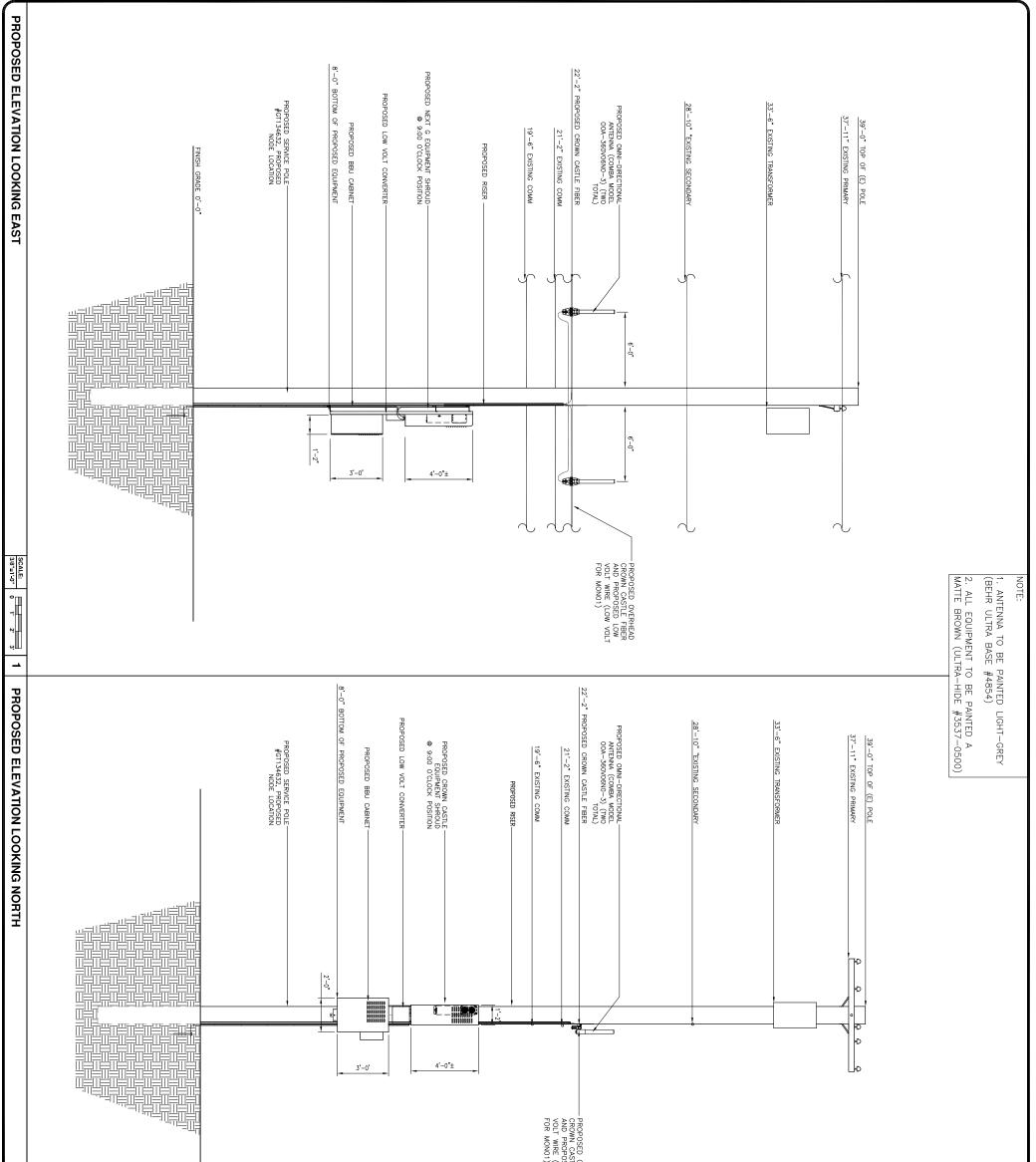
THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND

10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.

1, 110

11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERNA CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.





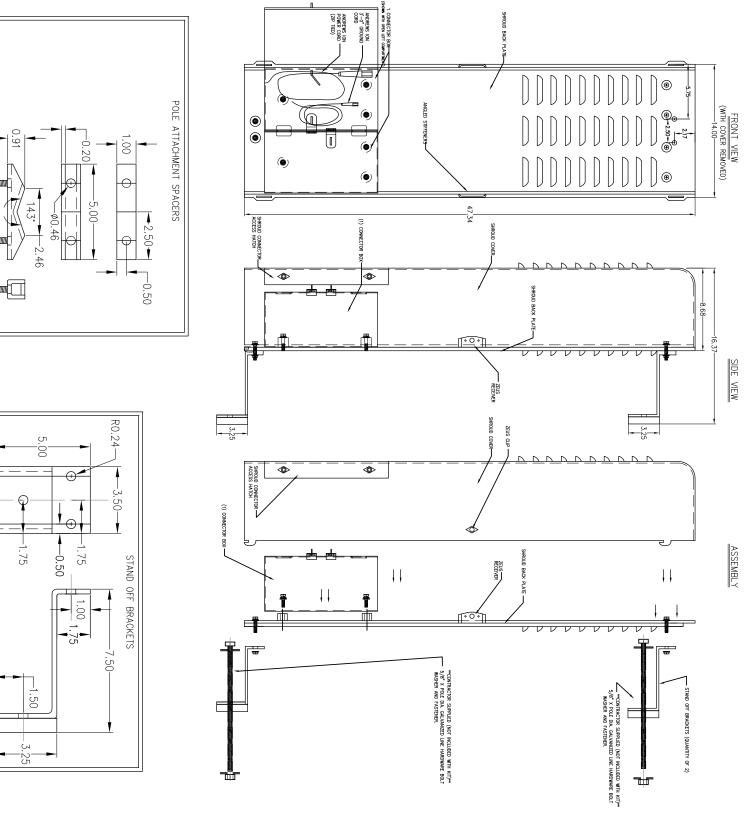
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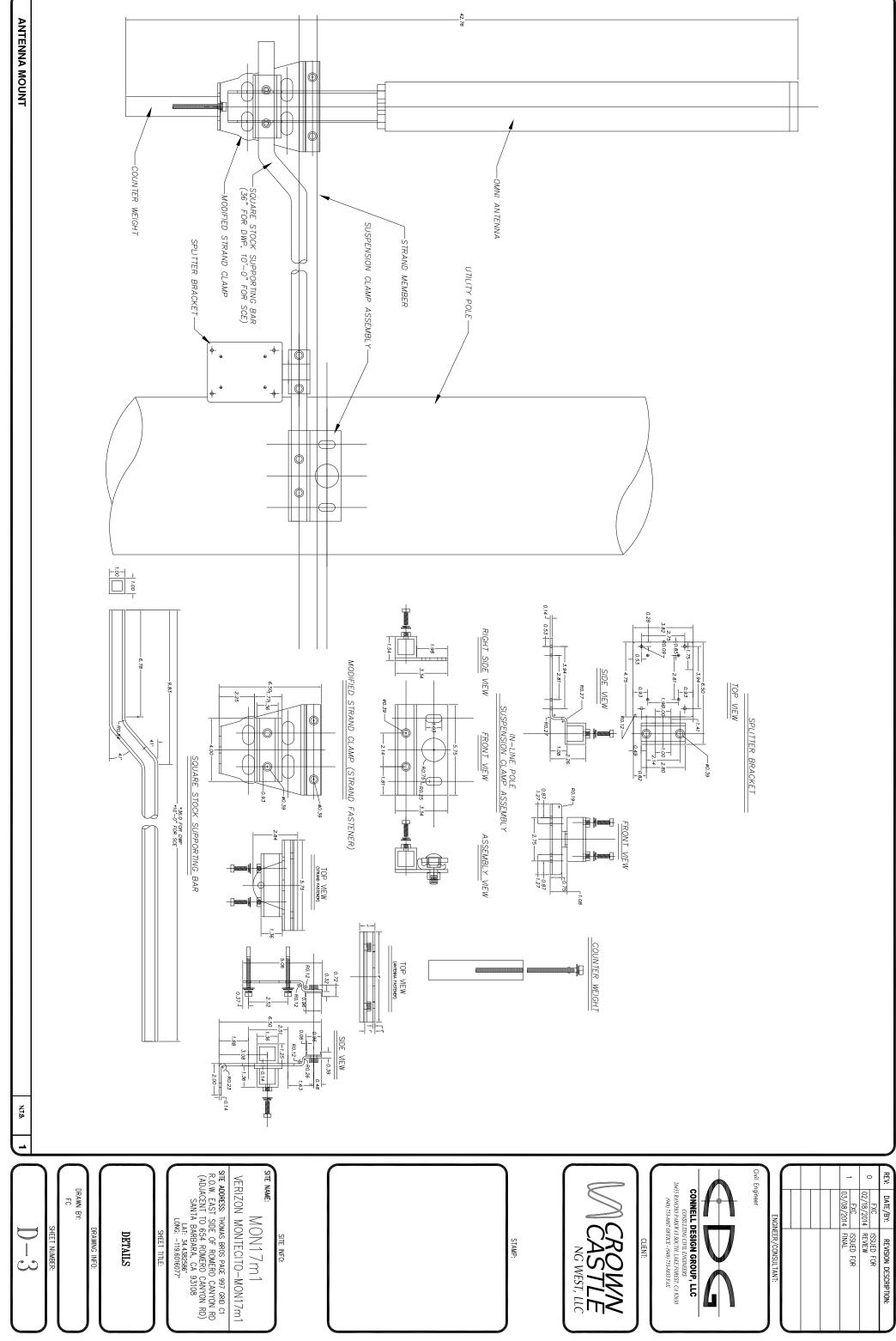
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APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS

- 2. UPON ISSUANCE OF A PERMIT, NO WORK WILL BE PERMITTED ON WEEKENDS OR HOLIDAYS WITHOUT PERMISSION FROM THE ENGINEERING 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 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 CARTHWORK. IF DESTROYED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR, A CORNER RECORD OR FRECARD OR 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 DESTROYED BY THE CONSTRUCTION.

5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALD. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE YOU DIG.

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 CONSTRUCTION.

9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMDRAIN MAIN INCLUDING ALL CROSSINGS.

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 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 PROCEAM 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 STUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION

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.

1. 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 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, 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 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.

9. 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



CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON18 R.O.W. SOUTH SIDE OF BELLA VISTA DR (ADJACENT TO 2299 BELLA VISTA DR) SANTA BARBARA, CA 93108



VICINITY MAP - N.T.S.

- - CENTERLINE

🔆 LIGHT POLE

O FOUNDATION

A SET POINT

 $\begin{pmatrix} x \\ x-x \end{pmatrix}$ DETAIL REF.

A REVISION

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SPOT ELEV.

ELEVATION REF. -E ELECT. CONDUIT SECTION REF. --- PROP./LEASE LINE MYERS PEDESTAL — MATCH LINE VAULT STANDARD 2'X3' — WORK POINT STEEL POLE -T T TELE, CONDUIT SYMBOLS, LINETYPES AND HATCH PATTERNS

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 ACTIVITY.

5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.

EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL

DEVICES WHEN RAIN IS IMMINENT.

AFTER EACH RUN-OFF PRODUCING RAINFALL.

OR UNFORESEEN CIRCUMSTANCES. WHICH MAY ARISE.

HAZARDOUS CONDITION.

OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

WORKING DAY WHEN RAIN IS IMMINENT.

EROSION/SEDIMENT CONTROL MEASURES.

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 ROAD OR ALLEY CLOSURE

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

PROJECT DICTIONARY

SITE ADDRESS:

ADDUCANT

	CONSTRUCTION CHANGE TABLE
DATE	EFFECTED OR ADDED SHEET NUMBERS
	DATE

APPLICABLE CODES ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES: *2010 CALIFORNIA BUILDING CODE *2010 CALIFORNIA MECHANICAL CODE *2010 CALIFORNIA PLUMBING CODE *2010 CALIFORNIA ELECTRICAL CODE IN THE EVENT OF CONFLICT. THE MOST RESTRICTIVE CODE SHALL PREVAIL

GROUND BUS BAR

MECH. GRND. CONN.

ELECTRIC BOX

TELEPHONE BOX

SIDEWALK FLAG

EXISTING SERVICE POLE

CADWELD

EXISTING SERV SIDEWALK FLA

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PROJECT DESCRIPTION	
ROJECT CONSISTS OF INSTALLATION OF:	
(2) OMNI ANTENNAS ON EXISTING UTILITY POLE	
EQUIPMENT PEDESTAL W/ BBU, ION AND ELECTRICAL METER AT BASE OF DLE	
NEW SHROUD ON POLE WITH NEW ION	

		ALLEGANT.
SHEET	INDEX:	
TITLE SHEET	T-1 - SHEET 1 OF 10	
TOPOGRAPHIC SURVEY	C-1 - SHEET 2 OF 10	
TOPOGRAPHIC SURVEY	C-2 - SHEET 3 OF 10	
SITE PLAN	A-1 - SHEET 4 OF 10	CIVIL ENGINEER:
ENLARGED SITE PLAN	A-2 - SHEET 5 OF 10	
PROPOSED ELEVATIONS	A-3 - SHEET 6 OF 10	
GRADING PLAN	A-4 - SHEET 7 OF 10	
DETAILS	D-1 - SHEET 8 OF 10	
DETAILS	D-2 - SHEET 9 OF 10	
DETAILS	D-3 - SHEET 10 OF 10	

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

6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.

TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY

8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER

THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS

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 GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE

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

R.O.W. SOUTH SIDE OF BELLA VISTA (ADJACENT TO 2299 BELLA VISTA) 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

CONNELL DESIGN GROUP, LLC 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 01/15/2013	ISSUED FOR REVIEW
1	SA 03/18/2013	ISSUED FOR APPROVAL
2	SA 08/05/2013	ISSUED FOR APPROVAL
3	FC 03/08/2014	ISSUED FOR APPROVAL

ENGINEER / CONSULTANT:

Civil Engineer



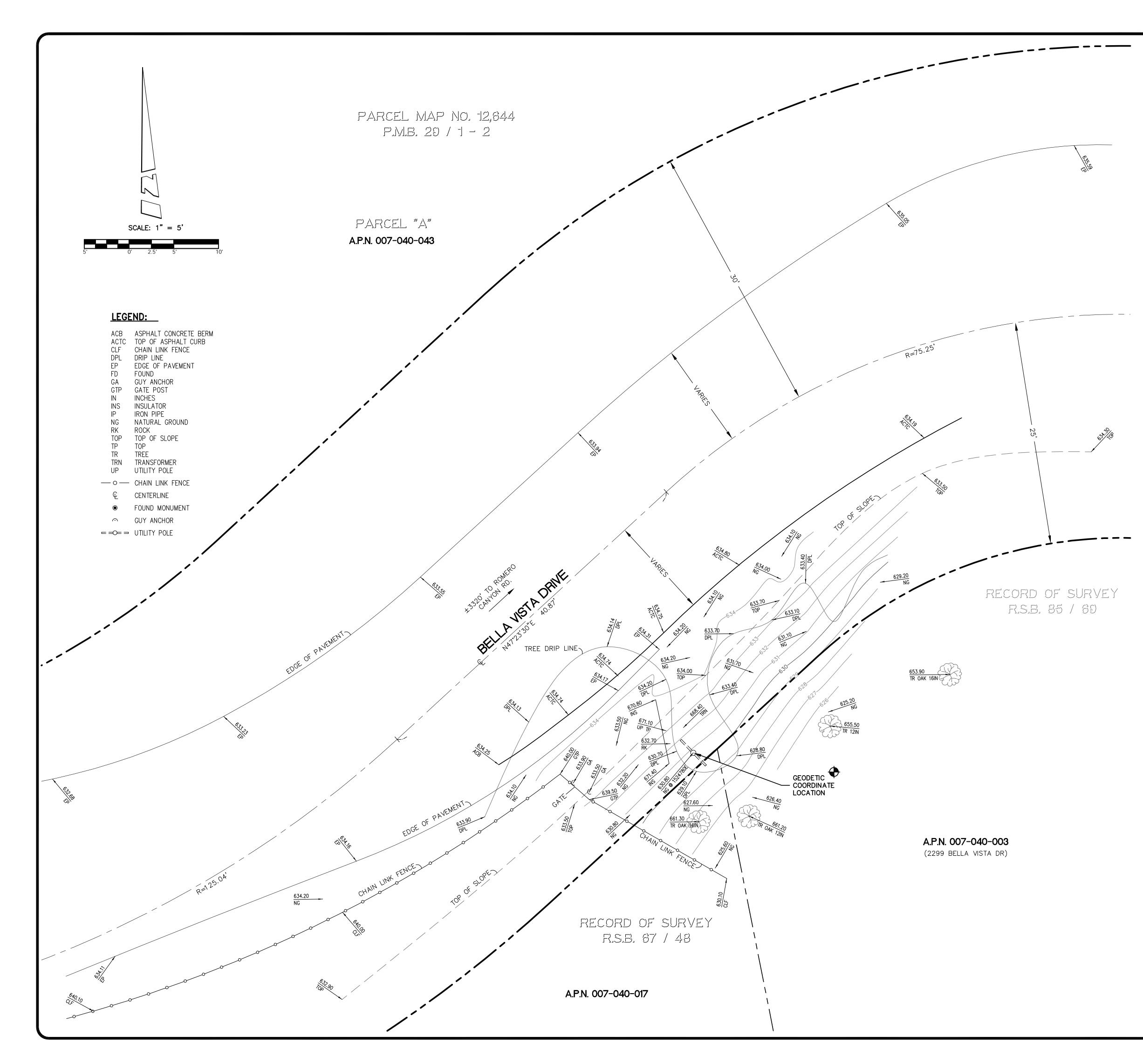
26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

CLIENT:



STAMP:

SITE INFO: SITE NAME: MON18 VERIZON MONTECITO-MON18 SITE ADDRESS: THOMAS BROS PAGE XXX GRID XX R.O.W. SOUTH SIDE OF BELLA VISTA DR (ADJACENT TO 2299 BELLA VISTA DR) SANTA BARBARA, CA 93108 LAT: 34.44805 LONG: -119.59984 SHEET TITLE: TITLE SHEET DRAWING INFO: DRAWN BY: FC SHEET NUMBER:



COORDINATES: 🕀

LATITUDE 34°26'52.94" N LONGITUDE 119°35'59.17" 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 BELLA VISTA DRIVE BEING NORTH 62°08'00" EAST PER FOUND MONUMENTS ON RECORD OF SURVEY, R.S.B. 85/69, RECORDS OF SANTA BARBARA COUNTY. (NOT SHOWN HEREON)

ASSESSOR'S IDENTIFICATION:

N/A

AREA:

N/A

BENCH MARK REFERENCE:

U.S.G.S. BENCH MARK "BM 500"

UNITED STATES GEOLOGICAL SURVEY BENCH MARK "BM 500" AS SHOWN ON THE "CARPINTERIA" 7.5 MINUTE QUADRANGLE MAP.

ELEVATION: 502.5 FEET A.M.S.L. (NAVD88) (DATUM VERIFIED IN FIELD TO BE WITHIN 1-A ACCURACY STANDARDS)

TITLE REPORT IDENTIFICATION:

N/A

EASEMENT NOTES:

N/A

LEGAL DESCRIPTION:

N/A

DATE OF SURVEY:

JULY 18, 2013

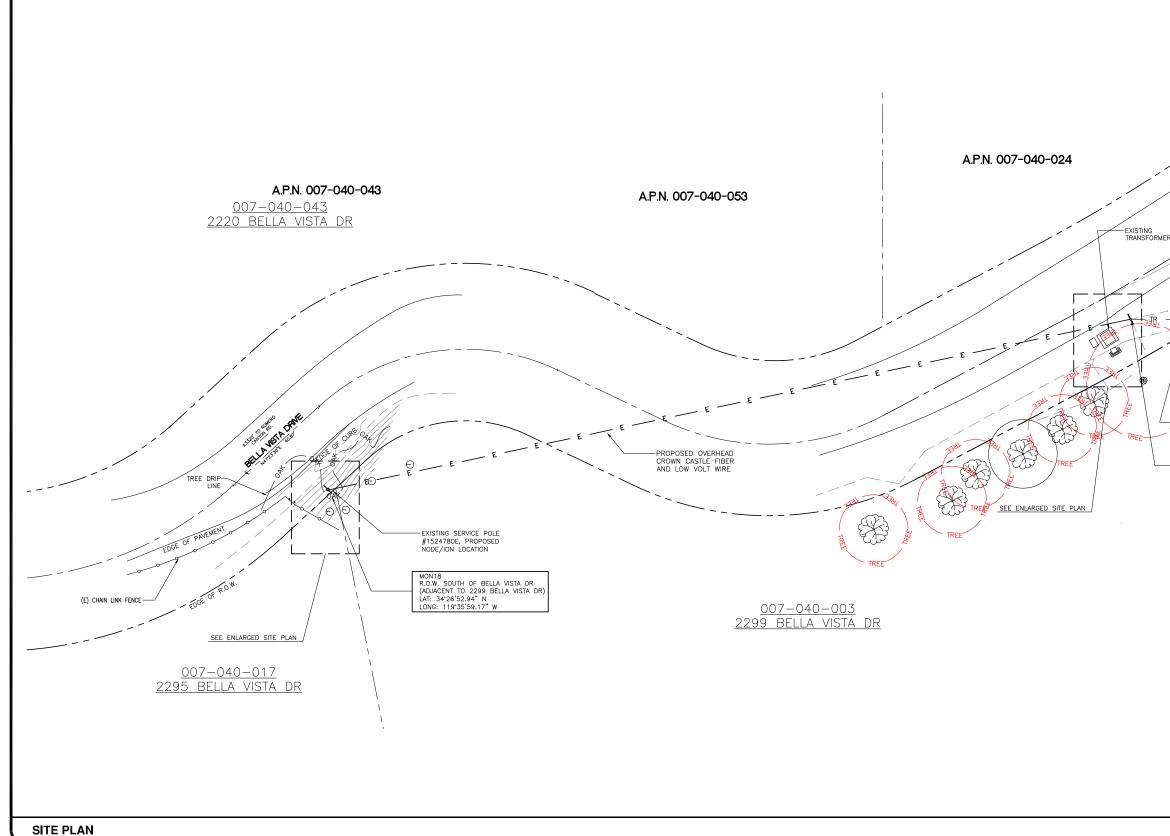
SURVEYORS NOTE:

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.

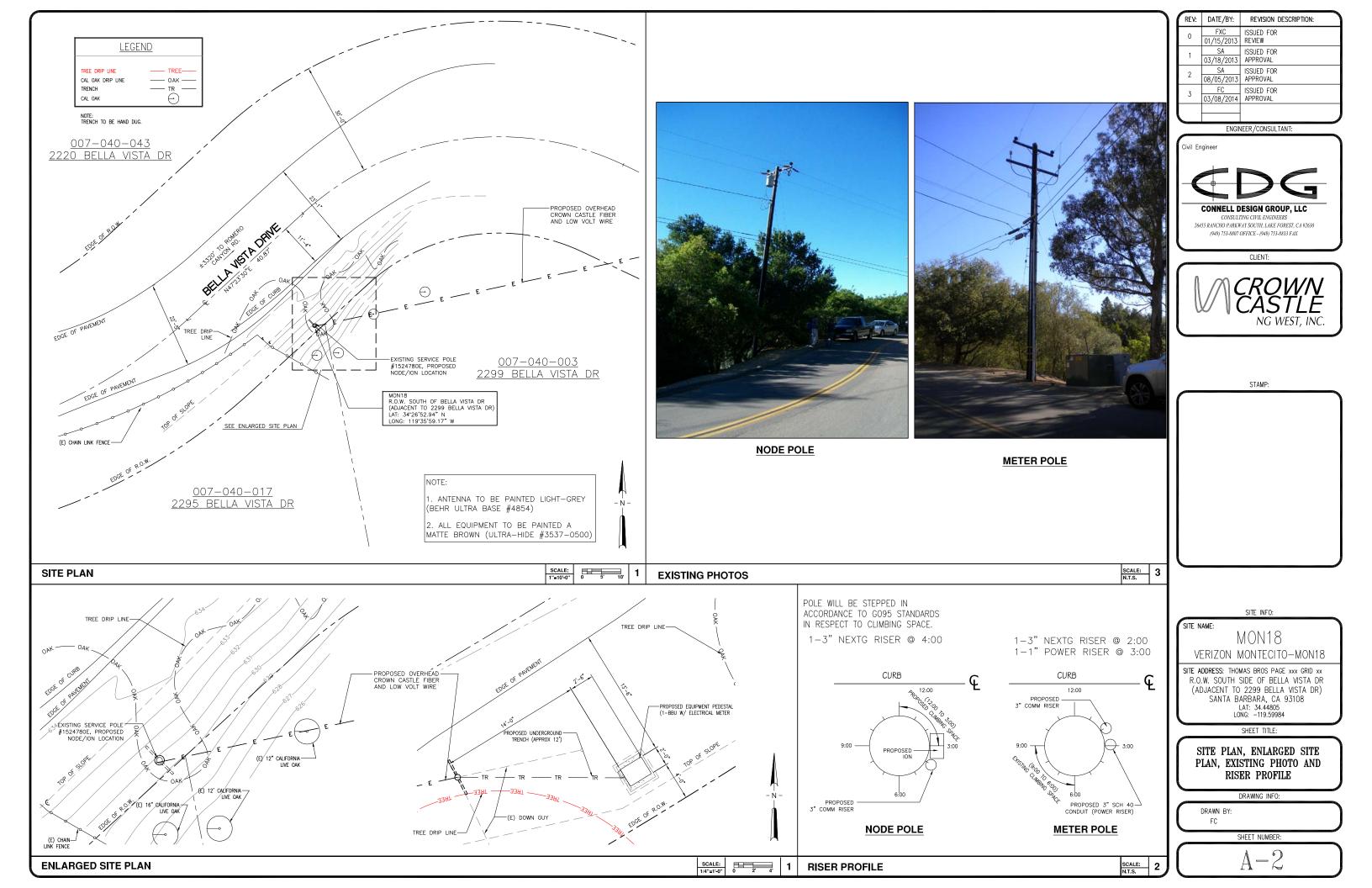
LIVING PLANTS STATEMENT:

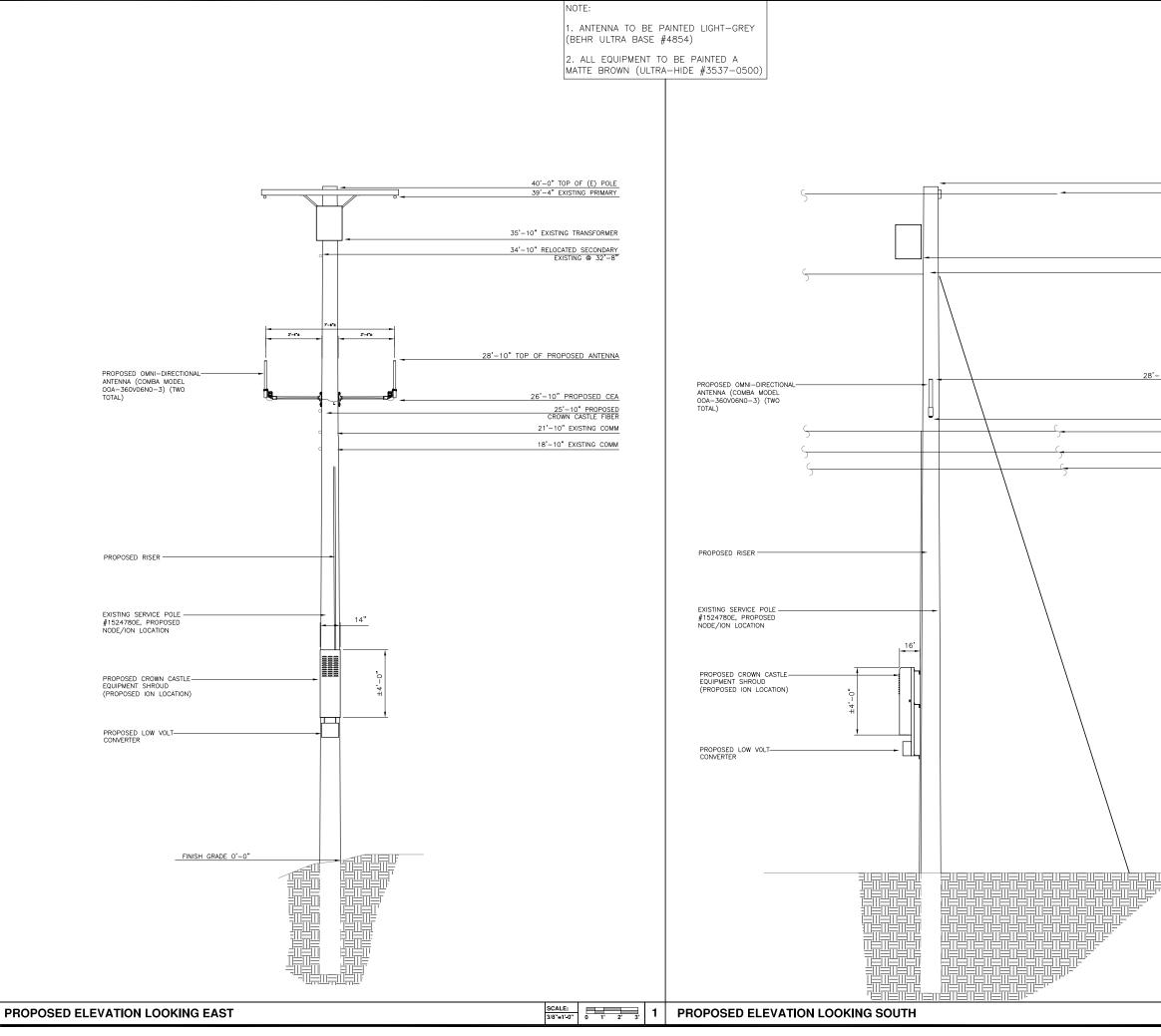
THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY VALID FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.



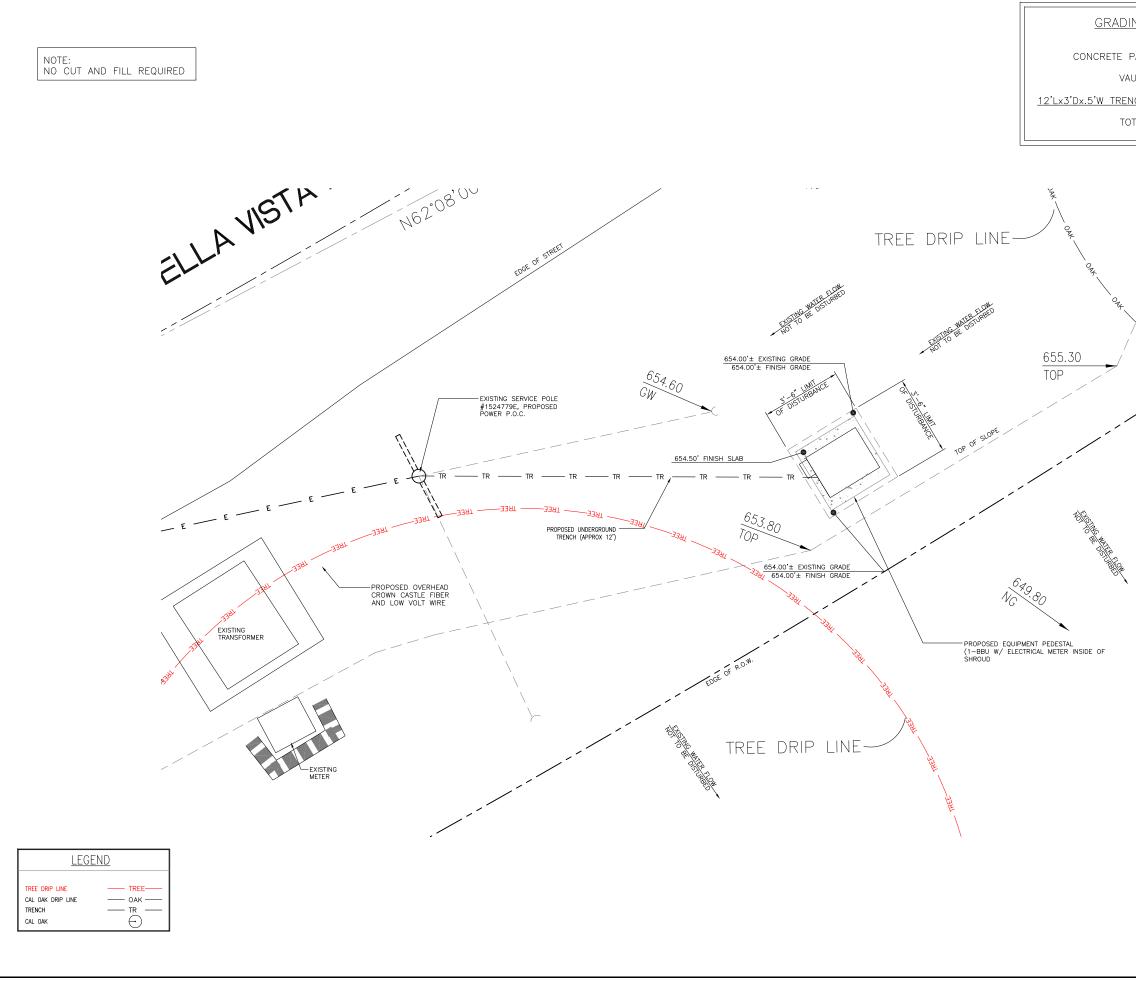


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TRENCH TR	3 03/08/2014 APPROVAL
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TRENCH TO BE HAND DUG.	ENGINEER/CONSULTANT: Civil Engineer CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS 2455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX CLIENT: MARKAN CLIENT: MARKAN STAMP:
PROPOSED EQUIPMENT PEDESTAL (1-BBU W/ ELECTRICAL METER INSIDE OF SHROUD EXISTING SERVICE POLE #1524779E, PROPOSED POWER P.O.C.	
	SITE INFO:
	SITE NAME:
	MON18
	VERIZON MONTECITO-MON18
	SITE ADDRESS: THOMAS BROS PAGE XXX GRID XX R.O.W. SOUTH SIDE OF BELLA VISTA DR (ADJACENT TO 2299 BELLA VISTA DR) SANTA BARBARA, CA 93108 LAT: 34.44805
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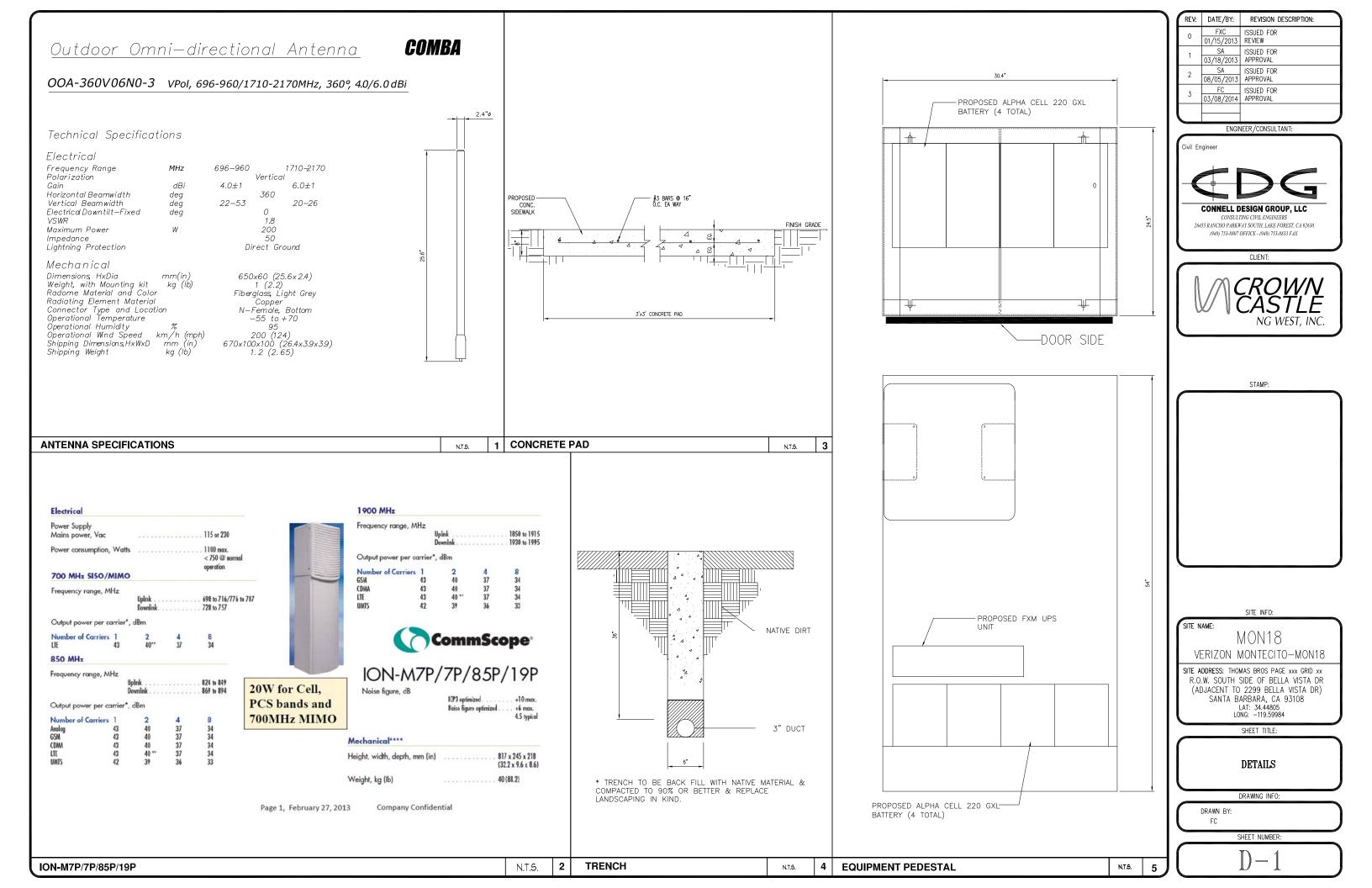
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	3	FC 03/08/2014	ISSUED FOR APPROVAL
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			ESIGN GROUP, LLC
35'-10" EXISTING TRANSFORMER 34'-10" RELOCATED SECONDARY	264	155 RANCHO PARKW	VAY SOUTH, LAKE FOREST, CA 92630 OFFICE - (949) 753-8833 FAX
EXISTING @ 32'-8"			CLIENT:
		- 0	
			CROWN CASTLE
-10" TOP OF PROPOSED ANTENNA			NG WEST, INC.
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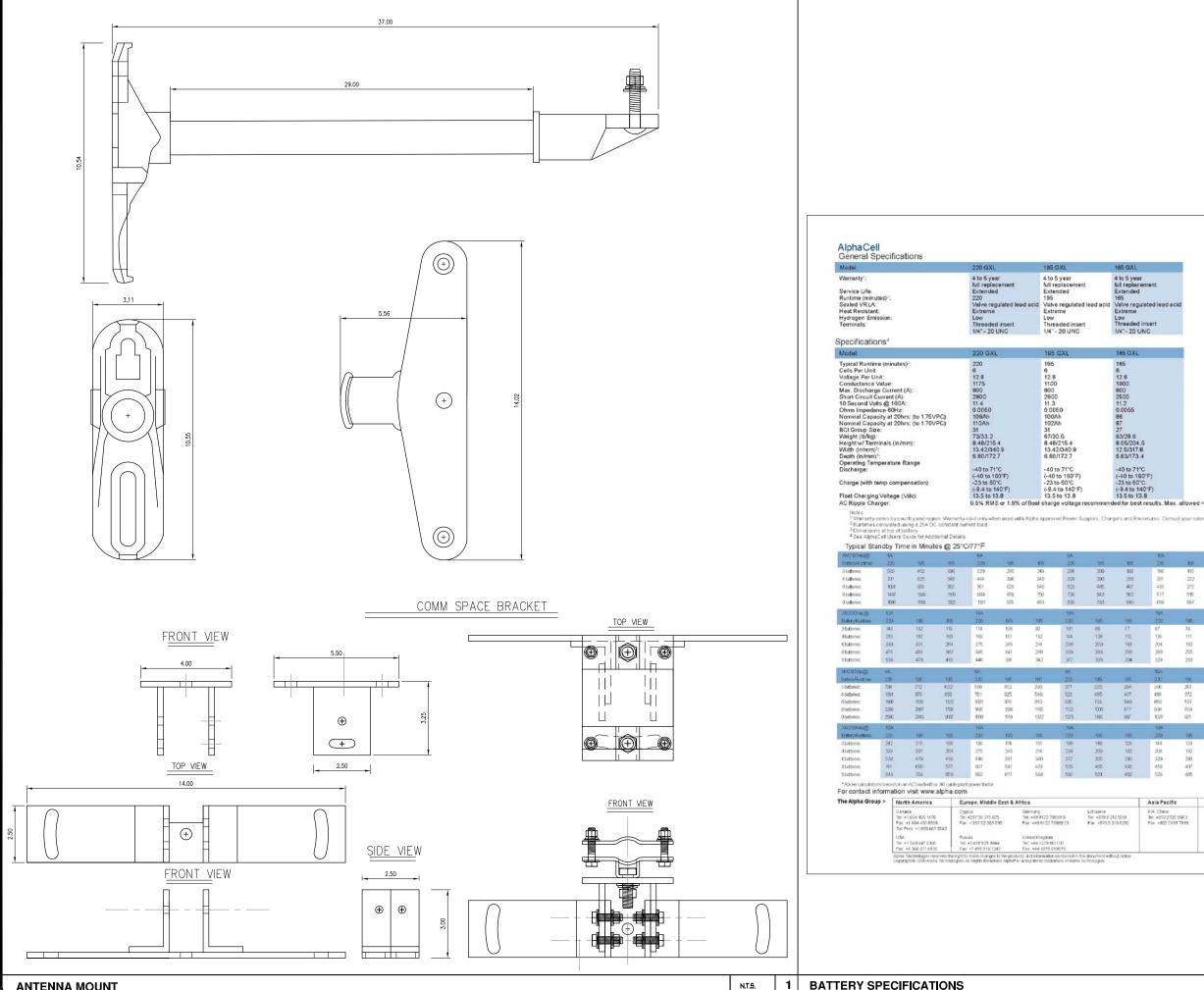


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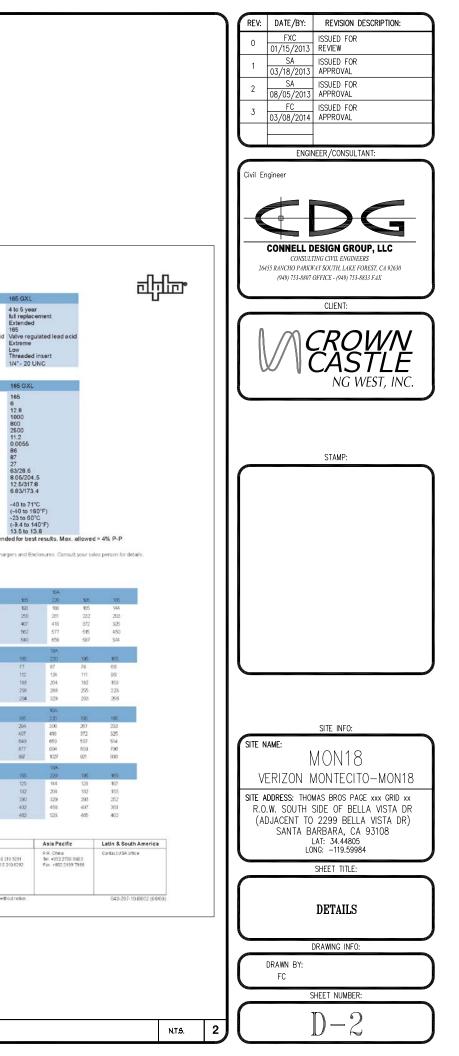
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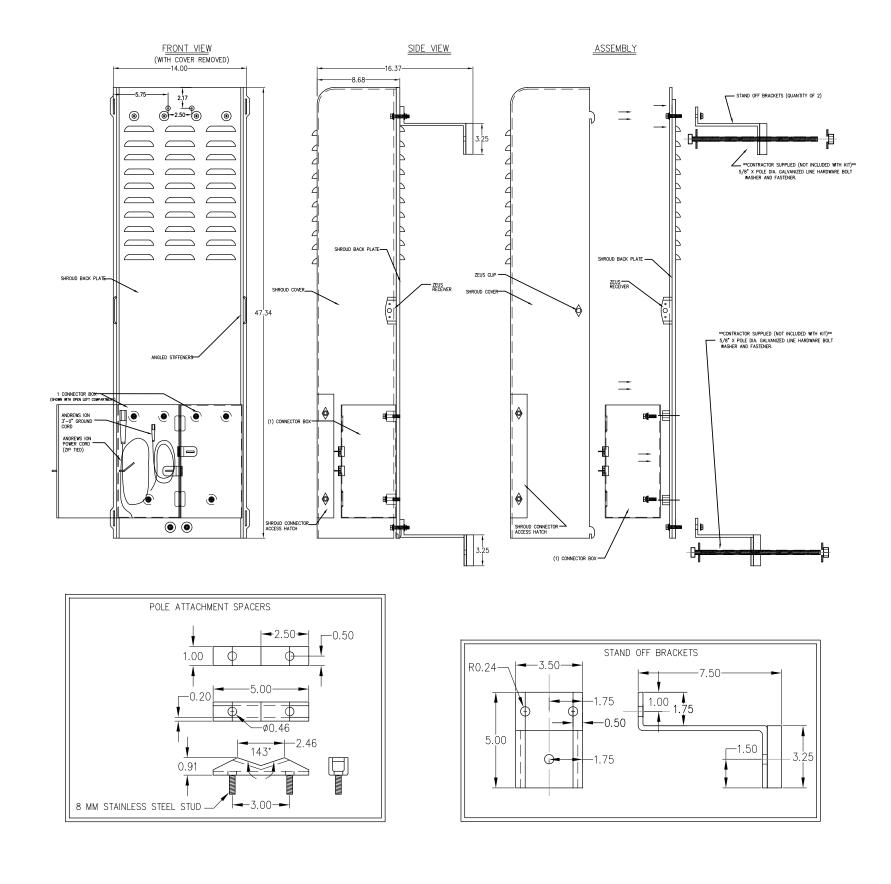
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	Civil Engineer	ENGINEER/CONSULTANT.
	Civil Engineer	
		LL DESIGN GROUP, LLC
	26455 RANCHO	PARKWAY SOUTH, LAKE FOREST, CA 92630 3-8807 OFFICE - (949) 753-8833 FAX
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- APPROVAL OF THESE PLANS BY THE 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 ENGINEERING 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 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 DISTORGED 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 DESTROYED BY THE CONSTRUCTION.
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALD. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE YOU DIG.
- 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 CONSTRUCTION
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMDRAIN MAIN INCLUDING ALL CROSSINGS.
- 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 PROCEAM 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 POLLUTION

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.
- 1. 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 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, 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 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.
- 9. 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



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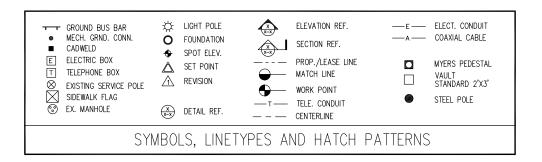
DATE

CROWN CASTLE NG WEST, LLC

VERIZON MONTECITO-MON19m1 R.O.W. SOUTH SIDE OF ROMERO CANYON RD. (ACROSS FROM 969 ROMERO CANYON RD) SANTA BARBARA, CA 93108



VICINITY MAP - N.T.S.



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SHEET 1 OF 6	CIVIL ENGINEER	C

CONSTRUCTION CHANGE TABLE APPLICABLE CODES EFFECTED OR ADDED SHEET NUMBERS ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES: *2010 CALIFORNIA BUILDING CODE *2010 CALIFORNIA MECHANICAL CODE *2010 CALIFORNIA PLUMBING CODE *2010 CALIFORNIA ELECTRICAL CODE IN THE EVENT OF CONFLICT. THE MOST RESTRICTIVE CODE SHALL PREVAIL

PROJECT DESCRIPTION		SHEET	INDEX:
PROJECT CONSISTS OF INSTALLATION OF:	T	ITLE SHEET	T-1 - SHEET 1 OF
1. (2) OMNI ANTENNAS ON EXISTING UTILITY POLE	S	ITE PLAN	A-1 - SHEET 2 OF
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2. EQUIPMENT PEDESTAL W/ BBU, AND ELECTRICAL METER AT BASE OF POLE	0	ETAILS	D-1 - SHEET 4 OF
	0	ETAILS	D-2 - SHEET 5 OF
3. PROPOSED SHROUD W/ ION ON EXISTING UTILITY POLE	C	ETAILS	D-3 - SHEET 6 OF

EROSION AND SEDIMENT CONTROL NOTES

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 ACTIVITY

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.

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.

WORKING DAY WHEN RAIN IS IMMINENT.

EROSION/SEDIMENT CONTROL MEASURES.

CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER AND THE MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11" X 17") FOR 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 ROAD OR ALLEY CLOSURE

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

PROJECT DICTIONARY

ROWN CASTLE NG WEST, LLC 125 WRIGHT AVE. SUITE #C9 A VERNE, CA 91750 ONTACT: HEIDI PAYNE HONE: (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

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

10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A

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 OCTORER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL

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

2.O.W. SOUTH SIDE OF ROMERO CANYON RD. ACROSS FROM 969 ROMERO CANYON RD) ANTA BARBARA, CA 93108

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

Civil Engineer



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

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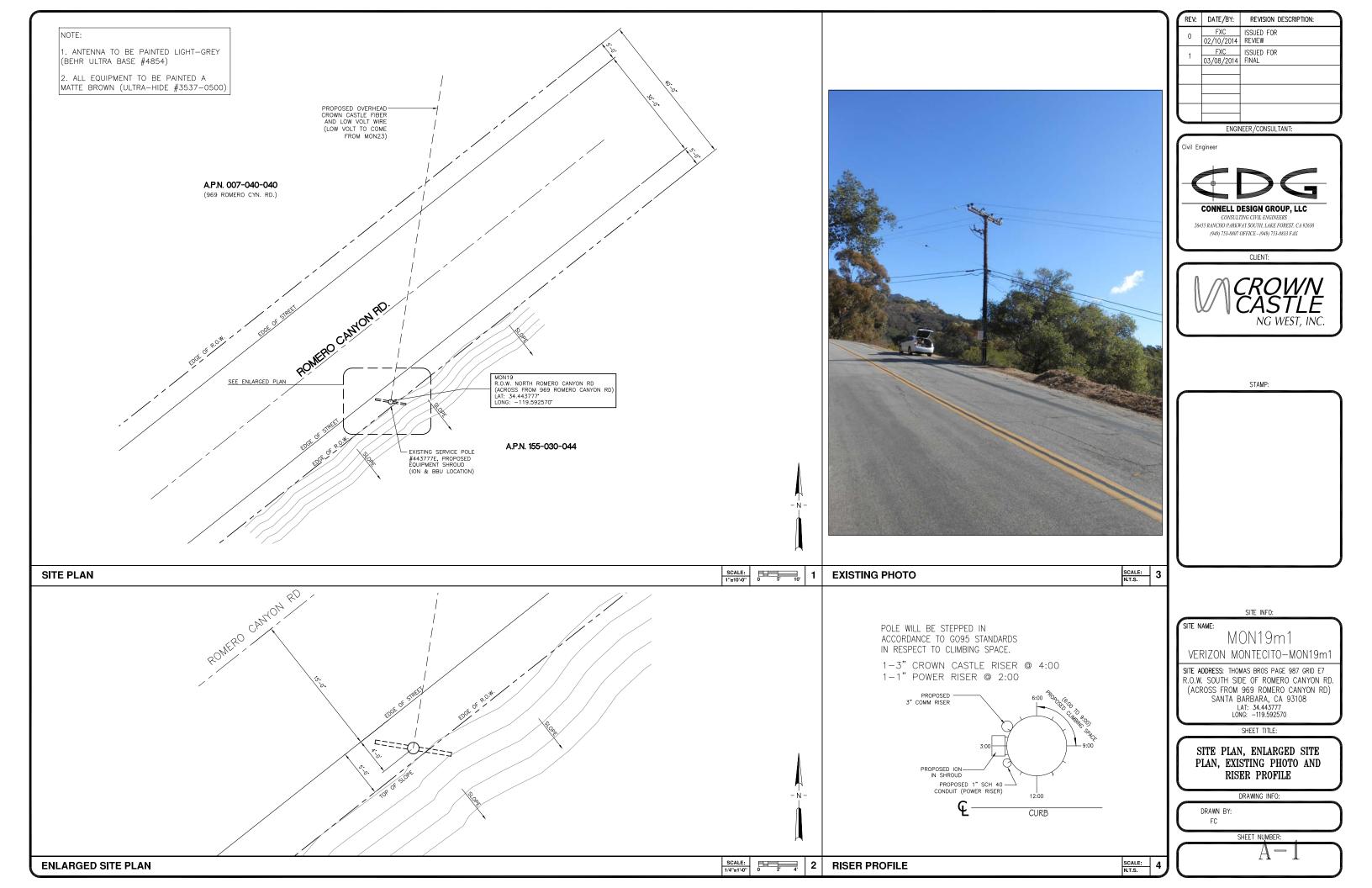


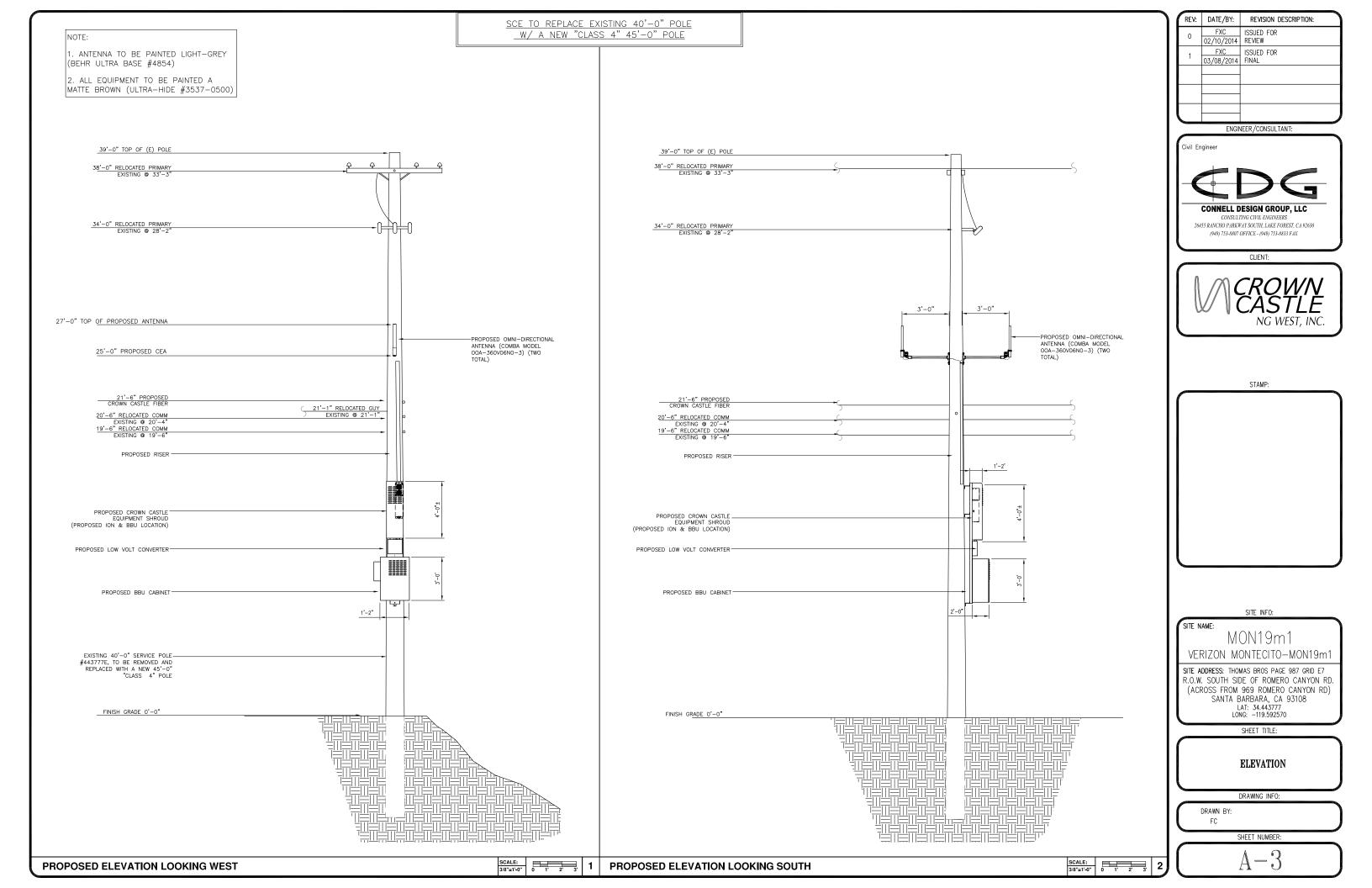
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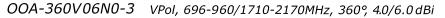
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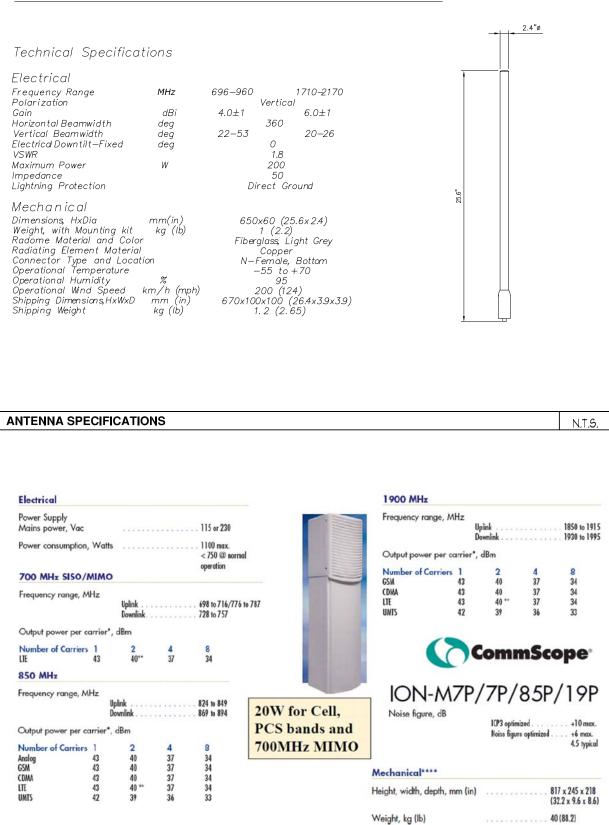




Outdoor Omni-directional Antenna

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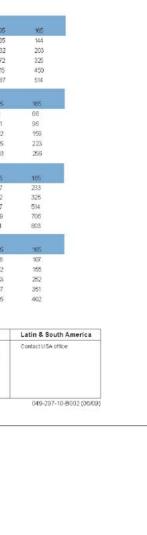
General Sp	Jeomoa	LIONS										
Model:				220 GXI	2		195 GXL		165 GXL			
Warranty ¹ : Service Life: Runtime (minu Sealed VRLA:	tes)²:			4 to 5 ye full repla Extende 220	cement		4 to 5 year full replaceme Extended 195 Valve regulate		4 to 5 year full replace Extended 165		cid	
Heat Resistant Hydrogen Emis Terminals:				Extreme Low Threade 1/4" - 20	d insert		Extreme Low Threaded inse 1/4" - 20 UNC		Extreme Low Threaded 1/4" - 20 U	insert		
Specificatio	ns ⁴							-				
Model:				220 GX	L		195 GXL		165 GXL			
Typical Runtim Ceils Per Unt: Voltage Per Un Conductance & Max. Discharg Short Circuit C 10 Second Vol Ohms Impedar Nominal Capaa BC I Group Siz Weight (Ib/Kg): Height w/ Tern Width (in/mm) ³ Depth (in/mm) ² Depth (in/mm) Discharge:	it: /alue: e Current urrent (A): ts @ 100A nce 60Hz: ty at 20h city at 20h e: tinals (in/n :	(A): : rs: (to 1.75∨ rs: (to 1.70∨ nm):		220 6 12.8 1175 900 2800 11.4 0.0050 109Ah 110Ah 31 73/33.2 8.48/21f 13.42/3 6.80/172 -40 to 7 (-40 to 1	40.9 2.7 I°C		195 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 -40 to 71°C (-40 to 160°F)		165 6 12.8 1000 800 2500 11.2 0.0055 86 87 27 63/28.6 8.05/204, 12.6/317.3 6.83/173, -40 to 71 ^s (-40 to 16	8 4 C		
Charge (with te	emp comp	ensation):		-23 to 60 (-9,4 to	3°C		-23 to 60°C (-9.4 to 140°F		-23 to 60° (-9.4 to 14	C		
Float Charging		Vdc):		13.5 to 1	3.8		13.5 to 13.8 harge voltage		13.5 to 13	.8	x. allowed	= 4
² Runtimes o ³ Dimension	aries by cou calculated u s at top of b	sing a 25A DC	Constan	nty valid only wh t current load			oproved Power S			closures. Cons	sult your sale	es p
Notes: 1 Warrarty v 2 Rurtimes o 3 Dimension 4 See Alphai Typical Sta 2M/290Vac2 BateryRurtime 3 bateries	anes by cou calculated u s at top of b Cell Users (ndby Tim 44, 220 508	sing a 25A DC attery. Suide for Addi ne in Minut 195 453	C constan tional Det es @ 2 185 396	nty valid only wh t current load aits 5°C/77°F 64 220 320	ien used wi 195 285	th Alpha a 165 249	oproved Power S 84 220 236	upplies, Char 195 209	rgers and Env 185 193	104 220 156	195 165	es p
Notes: 1 Warranty v 2 Runtimes o 3 Dimension 4 See Alphai Typical Sta 20/290Vac@ BatteryRuntme 3 batteries	anes by cou calculated u s at top of b Cell Users (ndby Tim 44, 220 508 701	sing a 25A DC attery. Suide for Addi ne in Minut 195 453 625	C constan tional Det es @ 2 185 396 546	nty valid only wh t current load aits 5°C/77°F 64 220 320 444	nen used wi 195 285 396	th Alpha a 165 249 346	8A 220 238 329	iupplies, Char 195 209 233	rgers and Env 185 193 256	10A 220 186 201	195 165 232	es (
Notes: ¹ Warrarty v ² Rurtimes of ³ Dimension ⁴ See Alphai Typical Sta 20/220/ard2 EdteryRurtme 3 batenis 4 batenis 6 batenis 8 batenis	aries by cou celculated u s at top of b Cell Users (ndby Tim 4A 220 508 701 1091 487	sing a 25A DC attery. Guide for Addi ne in Minut 195 453 625 976 1338	C constan tional Det es @ 2 185 396 546 853 1105	nty valid only wh t current load. sris 5°C/77°F 6A. 220 420 424 701 960	195 285 396 625 859	th Alphe a 165 245 346 546 750	8A 220 236 329 523 720	195 209 203 405 643	ngers and Env 1985 193 256 407 562	10A 220 186 261 418 577	185 165 232 372 515	es p
Notes: ¹ Warrarby v ² Rurtimes (³ See Alpha) Typical Sta M220%ag BatteryRurtime ³ batteries ⁴ batteries ⁶ batteries ⁵ batteries ⁹ batteries	anes by coll calculated u sat top of b Cell Users (ndby Tim 44, 220 508 701 1091 1487 1886	sing a 25A DC attery. Suide for Addi ne in Minut 195 453 625 978	C constan tional Det es @ 2 185 396 546 853	nty valid only wh t current load. sits 5°C/77°F 64. 220 444 701 960 1091	nen used wi 195 285 396 625	th Alpha a 165 249 346 546	8A 220 238 329 523 720 820	iupplies, Char 195 209 233 485	rgers and Env 185 193 256 407	10A 220 186 261 418 577 659	185 105 232 372	es (
Notes: ¹ Warrarty v ² Runtimes d ³ Dimension ⁴ See Alphai Typical Sta 20/220/arg BatteryRuntme 3 batenis 4 batenis 6 batenis 8 batenis	aries by cou celculated u s at top of b Cell Users (ndby Tim 4A 220 508 701 1091 487	sing a 25A DC attery. Guide for Addi ne in Minut 195 453 625 976 1338	C constan tional Det es @ 2 185 396 546 853 1105	nty valid only wh t current load. sris 5°C/77°F 6A. 220 420 424 701 960	195 285 396 625 859	th Alphe a 165 245 346 546 750	8A 220 236 329 523 720	195 209 203 405 643	ngers and Env 1985 193 256 407 562	10A 220 186 261 418 577	185 165 232 372 515	es (
Notes: ¹ Warrarty v ² Ruttmes c ³ Dimension ⁴ See Alpha ³ Typical Sta 20200/acg ExteryRutme 3 batteris 8 batteris 8 batteris 8 batteris 8 batteris 8 batteris 8 batteris	arries by cou- celoulated u set top of b Call Users C ndby Tim 4A 220 508 701 1001 1487 1886 12A 220 149	sing a 25A DC attery. Suide for Addi use in Minut 195 453 625 976 1336 1338 1339 195 132	Constant tional Det es @ 2 185 398 546 853 1105 1322 105 115	nty valid only wh t current load 5°C/77°F 6A 220 320 444 701 900 1091 14A 220 119	1965 2865 2865 8265 8269 978 1985 106	th Alphe a 165 249 346 750 853 853 165 92	8A 200 236 329 523 720 320 18A 220 101	195 209 203 405 643 733 195 89	195 193 256 407 562 640 185 77	10A 220 186 281 418 577 659 18A 220 87	125 105 232 372 515 587 195 78	es (
Notes: ¹ Warrarby v ² Rurtmesv ³ Demension ⁴ See Alphal Typical Sta XM220Va2 BatteryRurtme ³ bateries ⁴ bateries ⁶ bateries ⁸ bateries ⁸ batteries ⁸ batteries ⁴ batteries	anies by cou- seloulated u s at top of b Call Users C ndby Tim 4A, 220 508 701 1091 1487 1024 220 149 210	sing a 25A DC attery, suide for Addi ne in Minut 195 453 625 976 1336 1519 195 132 185	Constant tional Det es @ 2 185 546 653 1105 1322 165 115 163	nty valid only wh t current load 975. 5°C/77°F 64. 220 320 444 701 960 1091 144. 220 191 145. 169	1995 1995 2995 2995 299 978 1995 108 151	th Alphe a 165 249 340 755 853 185 92 132	8A 220 238 329 523 720 820 16A 220 16A 220 16A 220 16A	195 209 203 405 643 733 195 89 128	rgers and Env 105 198 256 407 562 640 105 77 112	10A 220 186 201 418 577 659 18A 220 87 124	185 105 232 372 515 587 195 78 111	es
Notes: ¹ Warrarby v ² Rurthmarby v ³ Dimension ⁴ See Alphai Typical Sta 20/200/act2 BatteryRurtime 3 bateries 9 bateries 8 bateries 9 bateries 8 bateries 9 baterie	arries by cou- celoulated u set top of b Call Users C ndby Tim 4A 220 508 701 1001 1487 1886 12A 220 149	sing a 25A DC attery. Suide for Addi use in Minut 195 453 625 976 1336 1338 1339 195 132	Constant tional Det es @ 2 185 398 546 853 1105 1322 105 115	nty valid only wh t current load 5°C/77°F 6A 220 320 444 701 900 1091 14A 220 119	1965 2865 2865 8265 8269 978 1985 106	th Alphe a 165 249 346 750 853 853 165 92	8A 200 236 329 523 720 320 18A 220 101	195 209 203 405 643 733 195 89	195 193 256 407 562 640 185 77	10A 220 186 281 418 577 659 18A 220 87	125 105 232 372 515 587 195 78	S
Notes: ¹ Warrarby v ² Rurbmann ³ Demension ⁴ See Alphal Typical Sta XM220Vac2 BatteryRurbme ³ bateries ⁴ bateries ⁶ bateries ⁸ bateries ⁸ bateries ⁸ bateries ⁴ bateries	anes by con- solutated us- solutated us- sol	sing a 25A DC attery. 2014 for Addine in Minut 1985 453 6025 978 1338 1539 1995 132 1897 301	Constant tional Det es @ 2 185 546 653 1105 1322 105 115 163 264	nty valid only wh t current load. aits 5°C/77°F 6A 220 444 701 900 900 1091 14A 220 116 119 275	195 285 396 625 859 978 195 195 195 245	th Alphe a 165 249 340 544 750 853 185 29 132 132 214	8A 220 228 329 523 720 80 16A 220 16A 220 161 144 236	195 209 243 405 443 733 195 89 128 209	rgers and End 185 193 258 407 562 640 185 77 112 183	10A 220 186 261 418 577 659 18A 220 87 124 204	1855 1655 2322 372 515 587 185 78 111 182	es
Notes: ¹ Warrarby v ² Rurbars ³ Den Albary Typical Sta 30200 vac@ ButteryRurbars 30200 vac@ ButteryRurbars 40200 vac@ ButteryRurbars 40200 vac@ ButteryRurbars 40200 vac@ 80200 vac@	anes by con- selculated u- s at top of b Coll Usens C ndby Tim 4A 220 505 701 1001 487 1026 220 149 210 339 210 340 340 340 340 340 340 340 340 340 34	sing a 25A DC ditery. Buide for Addi te in Minut 195 453 625 976 1338 195 195 195 195 195 195 195 195 195 195	Constant tional Det es @ 2 185 306 546 833 1105 132 105 115 163 264 367 419	nty valid only wh t current load aris 5°C/77°F 6A 220 444 701 900 1091 14A 109 1091 14A 275 385 440 5A	ten used wi 195 285 306 625 859 978 106 151 245 341 391	th Alphe a 165 349 344 544 750 853 92 185 92 185 92 185 92 182 92 182 92 182 92 182 92 183 92 183 92 183 92 183 92 183 92 183 92 183 92 183 92 183 92 183 92 183 183 183 183 183 183 183 183 183 183	8A 200 329 329 329 329 320 100 101 144 220 101 144 236 329 377 8A	195 209 203 405 403 733 195 89 128 209 128 209 233 335	rgers end End 1935 1938 407 562 640 185 77 112 185 276 294	10A 220 186 261 418 577 859 184 220 87 124 204 288 329 10A	195 105 232 372 515 587 195 78 111 185 255 293	
Notes: ¹ Warrarty v ² Rurtmarty v ² Rurtmansion ³ Dee Alphal Typical Sta 20022000 EditoryRurtme 3 batoris 4 batoris 6 batoris 8 batoris 9 batoris 8 bat	anes by con- solutated us s at top of b Coll Users of ndby Tim 4A 220 508 701 1091 1487 1888 12A 220 339 478 538 4A 220	sing a 25A DC attery. Jude for Addi 195 453 025 976 1333 1599 195 132 199 195 132 187 307 419 419 479	Constant tional Det es @ 2 185 396 546 953 105 132 105 115 163 267 419 165	nty valid only wh t current load 5°C/77°F 6A 220 320 444 701 960 1091 14A 220 119 169 225 345 440 6A 220	195 195 285 285 285 285 859 978 195 195 195 341 391	th Alphe a 165 249 344 354 750 855 92 185 92 132 24 22 342 342 342	8A 220 236 329 523 720 80 16A 220 16A 220 16A 220 8A 220	125 209 203 405 643 733 195 89 128 209 233 209 233 335	gers and End 185 193 256 407 562 840 165 77 112 183 254 165	104, 220 186 201 418 577 659 184 220 87 124 204 205 87 124 204 205 104 220	185 185 232 515 587 185 78 111 182 255 293 195	
Notes: ¹ Warrarty v ² Rurtmarty v ² Rurtmarty v ⁴ Sev Alpha Typical Sta 20/260Vac(2) BatteryRurtme 3 batevis 4 batevis 9 batevis 9 batevis 9 batevis 8 batevis 9 batevis 8 batevis 9 batevis 8 batevis 9	anes by con- selculated u- s at top of b Coll Usens C ndby Tim 4A 220 505 701 1001 487 1026 220 149 210 339 210 340 340 340 340 340 340 340 340 340 34	sing a 25A DC ditery. Buide for Addi te in Minut 195 453 625 976 1338 195 195 195 195 195 195 195 195 195 195	Constant tional Det es @ 2 185 306 546 833 1105 132 105 115 163 264 367 419	nty valid only wh t current load aris 5°C/77°F 6A 220 444 701 900 1091 14A 109 1091 14A 275 385 440 5A	ten used wi 195 285 306 625 859 978 106 151 245 341 391	th Alphe a 165 349 344 544 750 853 92 185 92 185 92 185 92 182 92 182 92 182 92 182 92 183 92 183 92 183 92 183 92 183 92 183 92 183 92 183 92 183 92 183 92 183 183 183 183 183 183 183 183 183 183	8A 200 329 329 329 329 320 100 101 144 220 101 144 236 329 377 8A	195 209 203 405 403 733 195 89 128 209 128 209 233 335	rgers end End 1935 1938 407 562 640 185 77 112 185 276 294	10A 220 186 261 418 577 859 184 220 87 124 204 288 329 10A	195 105 232 372 515 587 195 78 111 185 255 293	
Notes: ¹ Warrarty v ² Ruthmarty v ² Ruthmarty v ⁴ See Alphal Typical Sta 200209/acg ExteryFluttme 3 bateries 4 bateries 6 bateries 8 bateri	anes by con- selculated us s at top of b Coll Users C ndby Tim 4A 220 508 701 1091 1091 1091 1091 1220 220 339 478 538 4A 220 798 538	sing a 25A DC attery. Jude for Add: 195 453 625 976 1533 1599 195 195 195 195 195 195 195 195 19	Constant tional Det es @ 2 185 546 654 546 853 115 163 264 115 163 265 419 106 623 853 1822	nty valid only wh t current load 915 5°C/77°F 6A 220 320 444 701 960 1091 14A 109 220 119 14A 109 220 119 14A 109 275 385 440 8A 220 85 84 100 1001	ten used wi 1825 2825 3906 978 195 195 195 195 341 391 195 453 625 453 625 978	th Alphe a 165 249 340 544 750 85 92 185 92 132 294 294 294 294 294 294 294 342 294 396 596 853	8A 220 228 329 523 720 320 18A 220 101 144 236 329 377 8A 220 377 8A 220 377 8A 220 377	125 229 233 435 435 433 733 195 89 128 208 208 208 208 208 208 208 208 208 2	rgers and End 1935 1938 256 407 562 640 105 77 112 183 256 264 264 165 294	104, 220 186 201 418 577 659 184 220 87 124 204 205 329 104 220 300 418 659	1855 1855 2322 515 5897 185 78 111 182 2593 195 267 372 587	
Notes: ¹ Warrarty v ² Rutharty v ² Rutharty v ⁴ See Alpha ¹ Typical Sta 20/260Vac(2) BatteryRuthne 8 bateries 8 bateries	anes by con- alculated u s at top of b Call Users C ndby Tim 4A, 220 508 701 1001 487 1026 120 149 210 339 478 538 478 538 478 538 478 538	sing a 25A DC ditery. Buide for Addi te in Minut 195 453 625 978 1338 195 195 195 195 195 195 195 195 195 195	C constant tional Det es @ 2 985 996 853 105 105 105 105 105 103 264 367 419 105 622 853	nty valid only wh t current load. aris 5°C/77°F 6A 220 444 701 960 1091 1091 1091 1091 1091 1091 109	195 195 285 385 625 859 978 195 106 151 245 341 391 195 453 625	th Alpha a 165 249 344 544 755 853 185 92 132 29 342 299 342 185 396 546	8A 220 238 329 623 720 80 80 101 144 236 329 377 8A 220 377 523 8A 220 377 523 8A 220 377	upplies, Char 195 209 203 405 603 733 733 733 733 733 733 733 89 128 209 203 335 233 335 233 335 233 335	gers end End 1955 1983 298 407 562 640 185 77 112 183 256 294 185 294 407	10A 220 186 261 418 577 659 18A 220 87 124 244 244 288 329 10A 200 87 124 244 288 329 10A 200 418	125 105 232 372 515 687 195 78 111 182 255 293 195 267 372	
Notes: ¹ Warrarty v ² Rurtmarty v	anies by con- seloulated u s at top of b Coll Users C nolby Tim 4A 220 508 701 1091 1497 1286 12A 220 149 210 339 478 538 4A 220 798 1086 2288	sing a 25A DC utery. uude for Addi e in Minut 195 453 625 978 1333 1599 195 132 139 195 132 139 195 132 137 301 419 479 712 976 712 978 196 712 975	C constant tional Det es @ 2 185 396 546 853 105 163 165 163 264 367 419 105 622 853 105 622 853 105 1798	nty valid only wh t current load. aits 5°C/77°F 6A 220 444 701 900 1001 14A 220 14A 220 144 220 508 701 1207 508 701 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1207 1001 1207 1207 1207 1207 1207 1007 1	ten used wi 1965 285 386 625 859 798 196 196 151 245 341 391 195 453 825 978 1338	th Alphe a 165 240 344 544 544 750 855 92 1185 93 1185 92 1185 92 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 94 1185 94 1185 94 1185 94 1185 94 1185 94 1185 94 1185 94 1185 94 1185 1185 1185 1185 1185 1185 1185 118	8A 220 238 329 623 720 80 80 101 144 220 101 144 236 329 377 8A 220 377 523 8A 220 377 523 820 1122	195 209 203 405 445 445 443 733 733 733 733 733 733 733 733 733	gers end End 1985 1983 258 407 562 640 188 77 112 183 259 294 407 640 877	103, 1220 186 201 418 77 659 184 220 87 124 204 288 329 104 200 300 418 659 904	1825 1855 2322 3722 515 587 1955 78 111 182 255 293 195 267 372 587 809	
Notes: ¹ Warrardy v ² Ruthmarky v ² Ruthmarky v ² Ruthmarky v ⁴ See Alphay Typical Sta X/260Vac(2) BateryRuthme 3 bateries 8 bateries 9 bateries 9 bateries 9 bateries 8 bateries 9 bat	anes by con- selculated u s at lop of b Coll Users C Coll Users C C Coll Users C C C C C C C C C C C C C C C C C C C	sing a 25A DC utery. uude for Addi e in Minut 195 453 625 978 1333 1599 195 132 139 195 132 139 195 132 137 301 419 479 712 976 712 978 196 712 975	C constant tional Det es @ 2 185 396 546 853 105 163 165 163 264 367 419 105 622 853 105 622 853 105 1798	nty valid only wh t current load. aits. 5°C/77°F 6A 220 444 701 900 900 1001 119 129 275 385 440 8A 275 385 440 84 189 275 385 440 199 199 199 199 199 199 199 19	ten used wi 1965 285 386 625 859 798 196 196 151 245 341 391 195 453 825 978 1338	th Alphe a 165 240 344 544 544 750 855 92 1185 93 1185 92 1185 92 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 93 1185 94 1185 94 1185 94 1185 94 1185 94 1185 94 1185 94 1185 94 1185 94 1185 1185 1185 1185 1185 1185 1185 118	8A 220 329 4236 329 4233 720 820 16A 220 101 144 236 329 377 8A 8A 220 377 523 820 377 523 820 1122 1273	195 209 203 405 445 445 443 733 733 733 733 733 733 733 733 733	gers and End 1935 1938 2938 4007 562 640 1055 777 112 1835 294 1055 294 1055 294 1055	103, 1220 186 201 418 77 659 184 220 87 124 204 288 329 104 220 300 418 659 904 1027	1825 1855 2322 3722 515 587 1955 78 111 182 255 293 195 267 372 587 809	
Notes: Varranty v 2 Ruthman 2 Ruthman 4 See Alpha Typical Sta 30/2209/acg BataryRuthme 3 batoris 4 batoris 6 batoris 9 batoris 9 batoris 8 batoris 9 batoris 8 batoris 9 batoris 8 batoris 9 batoris 8 batoris 9 ba	anes by cou- selculated us s at top of b Coll Users C ndby Tim 4A 220 508 701 1091 1497 1200 339 478 538 149 220 339 478 538 149 220 339 478 538 149 220 339 478 538 1091 120 220 228 2500 120 228 2280 2280 2280 2280 2280 2280	sing a 25A DC ditery. Jude for Addi e in Minut 195 453 625 978 1338 199 195 132 137 137 137 137 137 137 137 137 137 137	C constant tonal Detters @ 2 985 996 546 833 195 195 195 195 195 195 195 195 195 195	nty valid only wh t current load aris 5°C/77°F 6A 220 444 701 900 900 1031 14A 220 116 126 275 385 440 275 385 440 8A 275 385 508 701 1091 1487 1886 508 701 1001 1487 1886	en used wi 185 285 395 859 978 195 106 151 245 341 391 195 453 625 453 625 978 1338 159 159 159	th Alphe a 165 249 344 544 750 85 92 185 92 185 92 185 396 546 853 1165 1322 185 546 185 546 185 546 185 546 185 546 185 546 185 546 185 546 185 546 185 546 185 185 185 185 185 185 185 185 185 185	8A 220 228 329 523 720 80 101 144 236 329 377 8A 220 377 523 8A 220 377 523 8A 220 377 523 8A 220 377 523 8A 220 377 523 8A 220 377 523 523 523 520 1122 1223 1124 1124 1124 1124 1124 1124	Lupplies, Char 125 209 203 445 445 445 445 445 89 128 209 203 209 203 305 465 305 465 305 465 703 1006 1103 1006 1103	rgers and End 1865 193 256 407 562 400 165 77 112 183 254 165 254 165 244 400 877 997 997 165 125	104, 220 186 201 418 577 659 184 220 87 124 204 287 124 204 287 124 204 287 124 204 200 300 418 659 904 1027 124 200	185 185 222 375 587 185 78 185 78 185 185 287 372 287 372 287 372 287 309 221 195 128	
Notes: Verrarty v Ruthans Sources Dumension See Alphan Typical Sta 20/250Vac(2) BatteryRuthne Sobtenios	anes by con- selculated u s at lop of b Coll Users C ndby Tim 4A 220 505 701 1001 487 220 149 210 339 478 538 4A 220 798 1081 798 1081 798 1081 798 1081 2288 2280 2288 2580 12A 2333	sing a 25A DC ditery. Jude for Addi e in Minut 1955 433 625 978 1935 1935 1935 1935 1935 1935 1935 1935	C constant tional Dettination and the set of	nty valid only wh t current load. 915. 5°C/77°F 64 220 444 701 900 1091 1091 1091 1091 1091 109 109	ten used wi 195 285 625 859 978 195 106 151 245 341 391 195 453 625 978 453 625 978 1338 159 159	th Alphe a 165 244 344 544 544 755 853 1455 92 1455 342 244 299 342 1455 336 546 853 3105 1322 1455 1322	8A 220 329 523 720 820 101 144 220 101 144 220 101 144 236 329 377 523 820 172 523 820 1122 1223 16A 220 1122 1223	upplies, Char 195 200 203 405 443 733 733 733 733 733 733 733 733 733	gers and End 195 193 256 407 562 640 185 264 183 256 294 407 640 877 957 957 957 957 125 182	103, 103, 106 201 418 577 659 184 220 87 124 204 288 329 104 288 329 104 200 300 418 659 904 1027 18A 200 418 4027	125 165 232 372 515 587 195 78 111 182 255 293 195 267 372 587 809 921 196 128 182	es p
Notes: ¹ Warrarty v ² Rurtmarty v	anes by cou- selculated us s at top of b Coll Users C ndby Tim 4A 220 508 701 1091 1497 1200 339 478 538 149 220 339 478 538 149 220 339 478 538 149 220 339 478 538 1091 120 220 228 2500 120 228 2280 2280 2280 2280 2280 2280	sing a 25A DC ditery. Jude for Addi e in Minut 195 453 625 978 153 153 159 195 132 187 307 419 419 419 479 195 712 978 159 2057 2345	C constant tonal Detters @ 2 985 996 546 833 195 195 195 195 195 195 195 195 195 195	nty valid only wh t current load aris 5°C/77°F 6A 220 444 701 900 900 1031 14A 220 116 126 275 385 440 275 385 440 8A 275 385 508 701 1091 1487 886 200 1001 1487 1487 1487 1487	en used wi 185 285 395 859 978 195 106 151 245 341 391 195 453 625 453 625 978 1338 159 159 159	th Alphe a 165 249 344 544 750 85 92 185 92 185 92 185 396 546 853 1165 1322 185 546 185 546 185 546 185 546 185 546 185 546 185 546 185 546 185 546 185 546 185 185 185 185 185 185 185 185 185 185	8A 220 228 329 523 720 80 101 144 236 329 377 8A 220 377 523 8A 220 377 523 8A 220 377 523 8A 220 377 523 8A 220 377 523 8A 220 377 523 523 520 1122 1223 1166	Lupplies, Char 125 209 203 445 445 445 445 445 89 128 209 203 203 203 203 305 465 305 465 703 1006 1103 1006 1103	rgers and End 1865 193 256 407 562 400 165 77 112 183 254 165 254 165 244 400 877 997 997 165 125	104, 220 186 201 418 577 659 184 220 87 124 204 287 124 204 287 124 204 287 124 204 200 300 418 659 904 1027 124 200	185 185 222 375 587 185 78 185 78 185 185 287 372 287 372 287 372 287 309 221 195 128	a la
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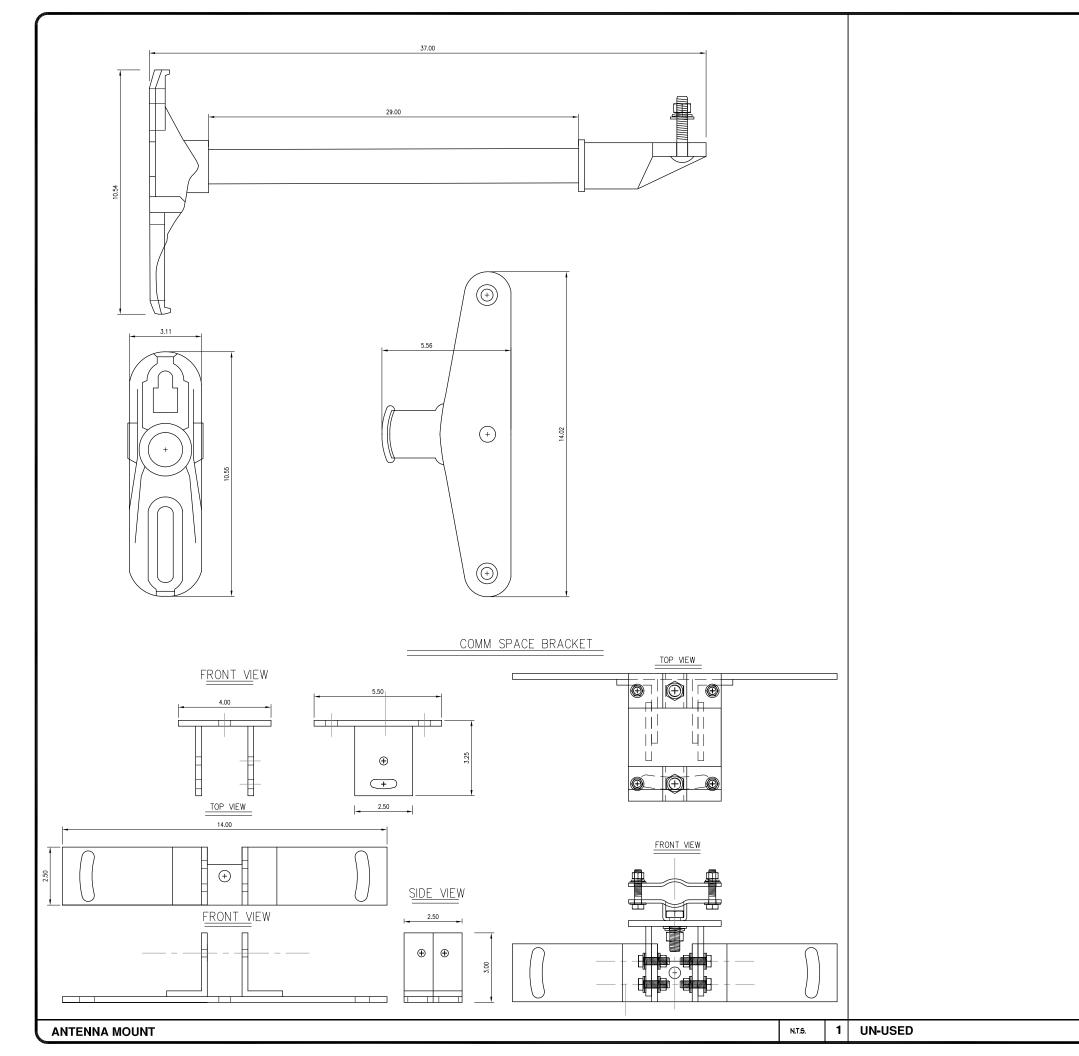
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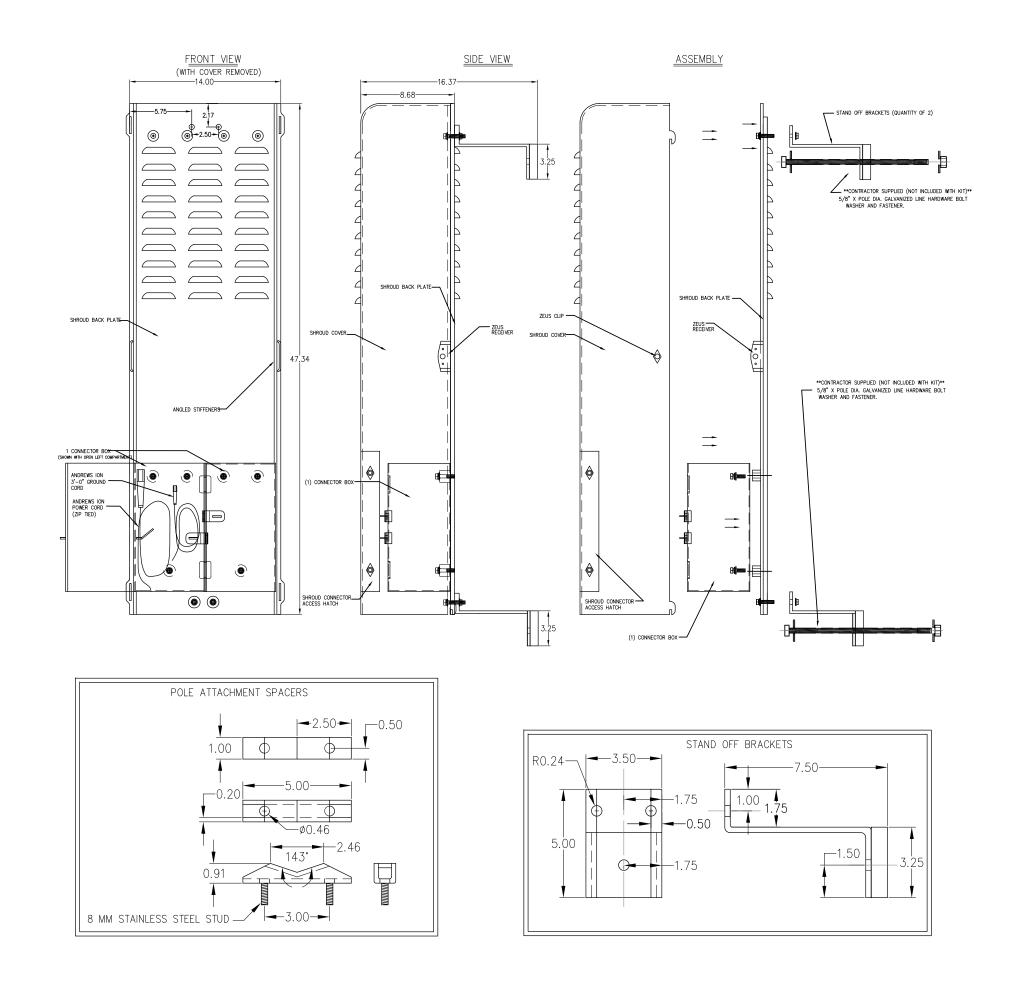
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CONSULTING CIVIL ENGINEERS 26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX	
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	Civil Engineer
	CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS
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	(949) 753-8807 OFFICE - (949) 753-8833 FAX
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- 1. 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 ENGINEERING 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 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 control of shall be responsible for solvet monowing analyse vertical control benchmarks which are instructed to destroyed by construction. A LAND SUPPORT MUST HELD COATE, 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 SUPPEYORS. A CORNER RECORD OR RECORD OF SUPPEY, SA SPORPARTE, SHALL BE FELLA SE REQUIRED BY THE PROFESSIONAL LAND SUPPEYORS ACT. IF ANY VERTICAL CONTROLL STO BE DISTURED OR DESTROYED, THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE 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 DESTROYED BY THE CONSTRUCTION.
- 5. INPORTANT 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 DAYS BEFORE YOU DIG.
- 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 CONSTRUCTION.
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMDRAIN MAIN INCLUDING ALL CROSSINGS.
- 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 PROCEAM 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 POLLUTION

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.
- 1. THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER SERVICES TO INDIMIDUAL 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 CONSTRUCTION OF NEW WORK
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT MOOTH 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 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.
- 9. 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.



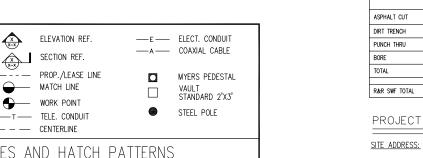
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VERIZON MONTECITO-MON20 R.O.W. SOUTH SIDE OF ROMERO CANYON RD. (ADJACENT TO 850 ROMERO CANYON) SANTA BARBARA, CA 93108



VICINITY MAP - N.T.S.

— MATCH LINE



PROJECT DICTIONARY

APPLICANT:

		CONSTRUCTION CHANGE TABLE
CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS

EXISTING SERVICE F SIDEWALK FLAG EX. MANHOLE	_	DETAIL R	EF.	•		CONDUIT	
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APPLICABLE CODES

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

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

*2010 CALIFORNIA BUILDING CODE *2010 CALIFORNIA MECHANICAL CODE *2010 CALIFORNIA PLUMBING CODE *2010 CALIFORNIA ELECTRICAL CODE

MECH. GRND. CONN.

PROJECT DESCRIPTION	TITLE SI TOPOGR
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2. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF	DETAILS
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EROSION AND SEDIMENT CONTROL NOTES

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 ACTIVITY.

5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND 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.

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.

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.

WORKING DAY WHEN RAIN IS IMMINENT.

FROSION/SEDIMENT CONTROL MEASURES.

RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

TRAFFIC CONTROL NOTES

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 ROAD OR ALLEY CLOSURE

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

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

6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.

8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL MEASURES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER

10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A

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

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

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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

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1	FXC	ISSUED FOR
	03/27/2013	FINAL
2	FXC	ISSUED FOR
2	08/02/2013	FINAL
3	FXC	ISSUED FOR
5	11/06/2013	FINAL
4	FXC	ISSUED FOR
<u> </u>	03/08/2014	FINAL
	ENGI	EER/CONSULTANT:

Civil Engineer



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

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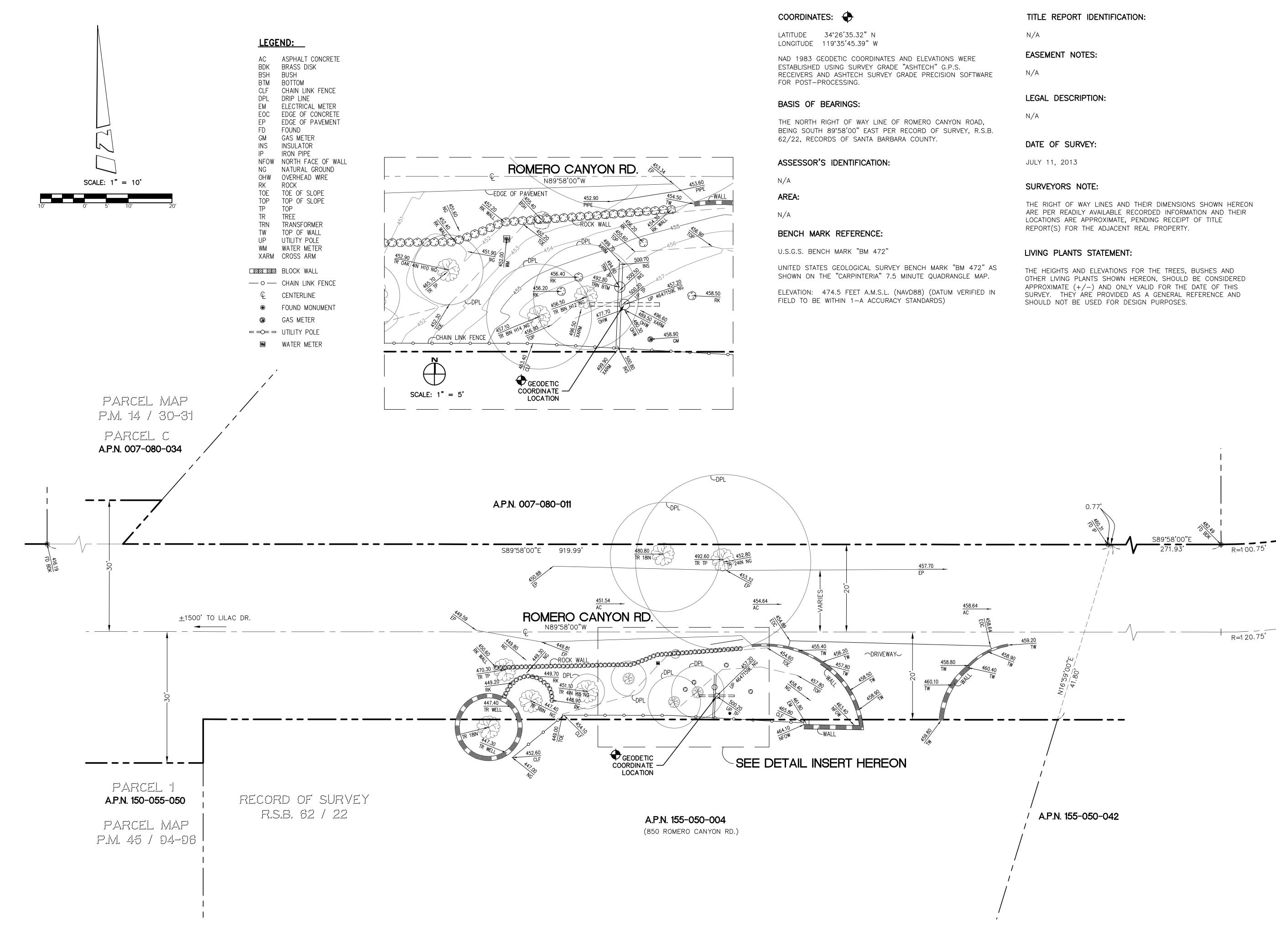


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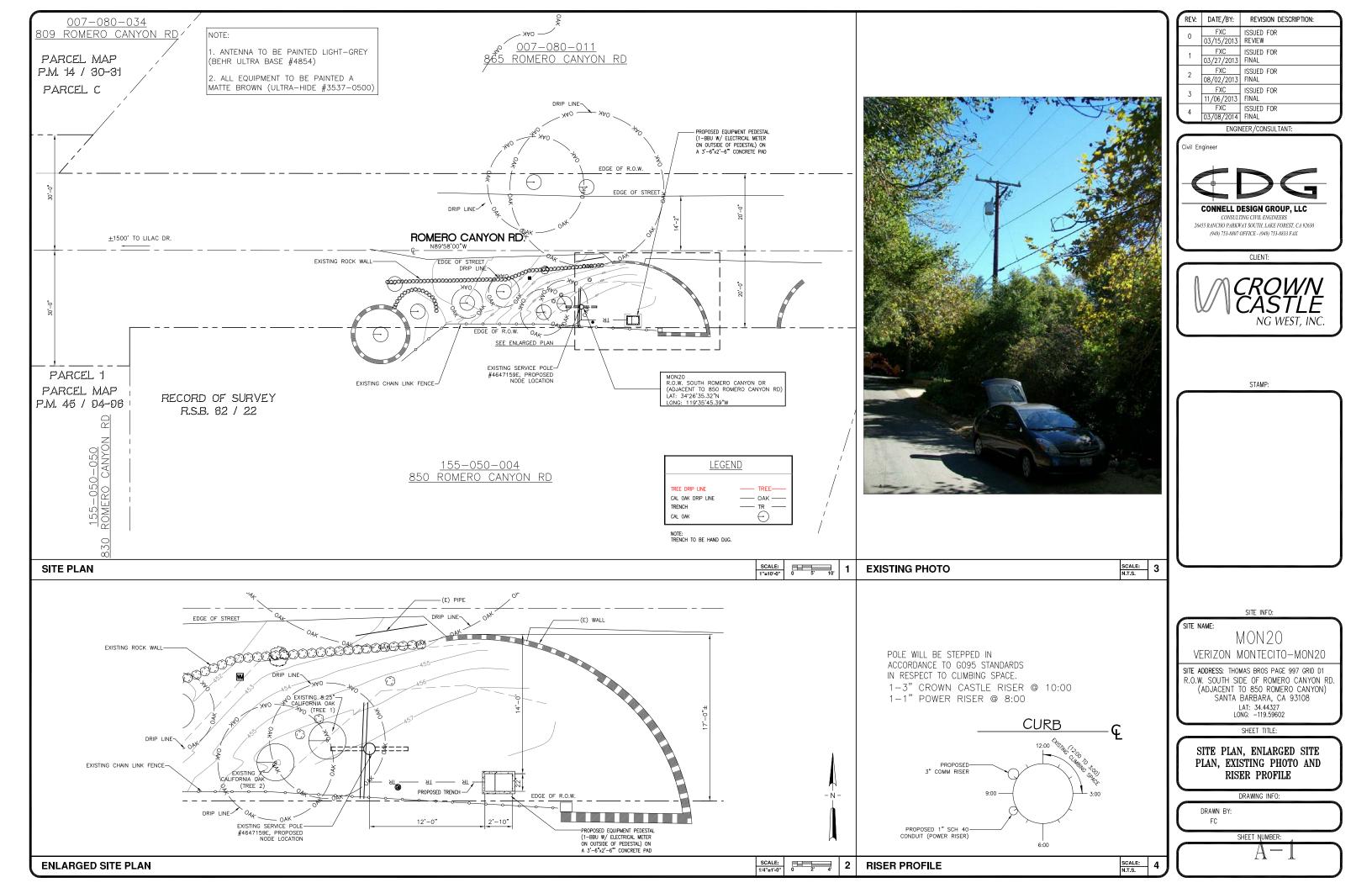
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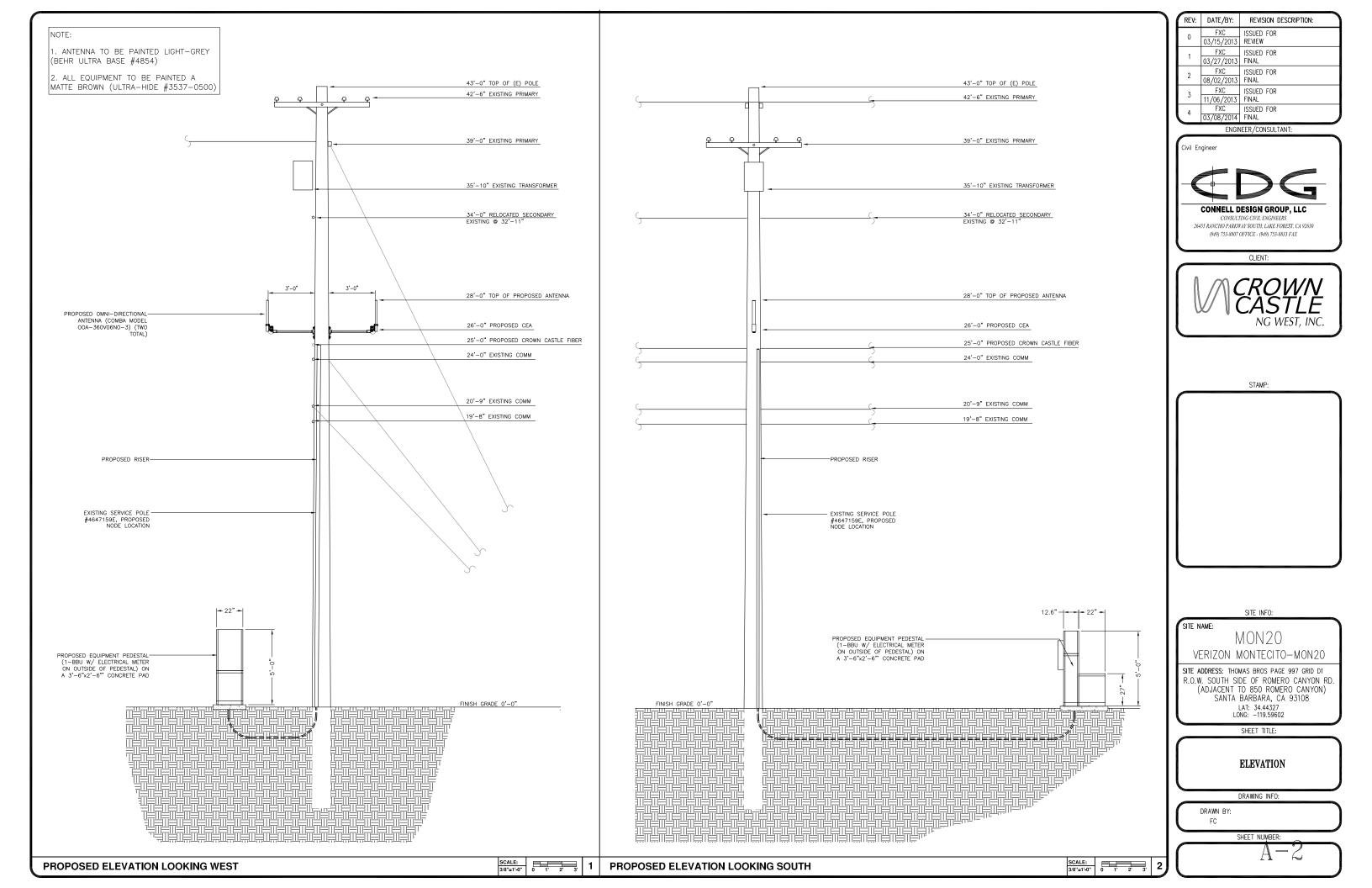
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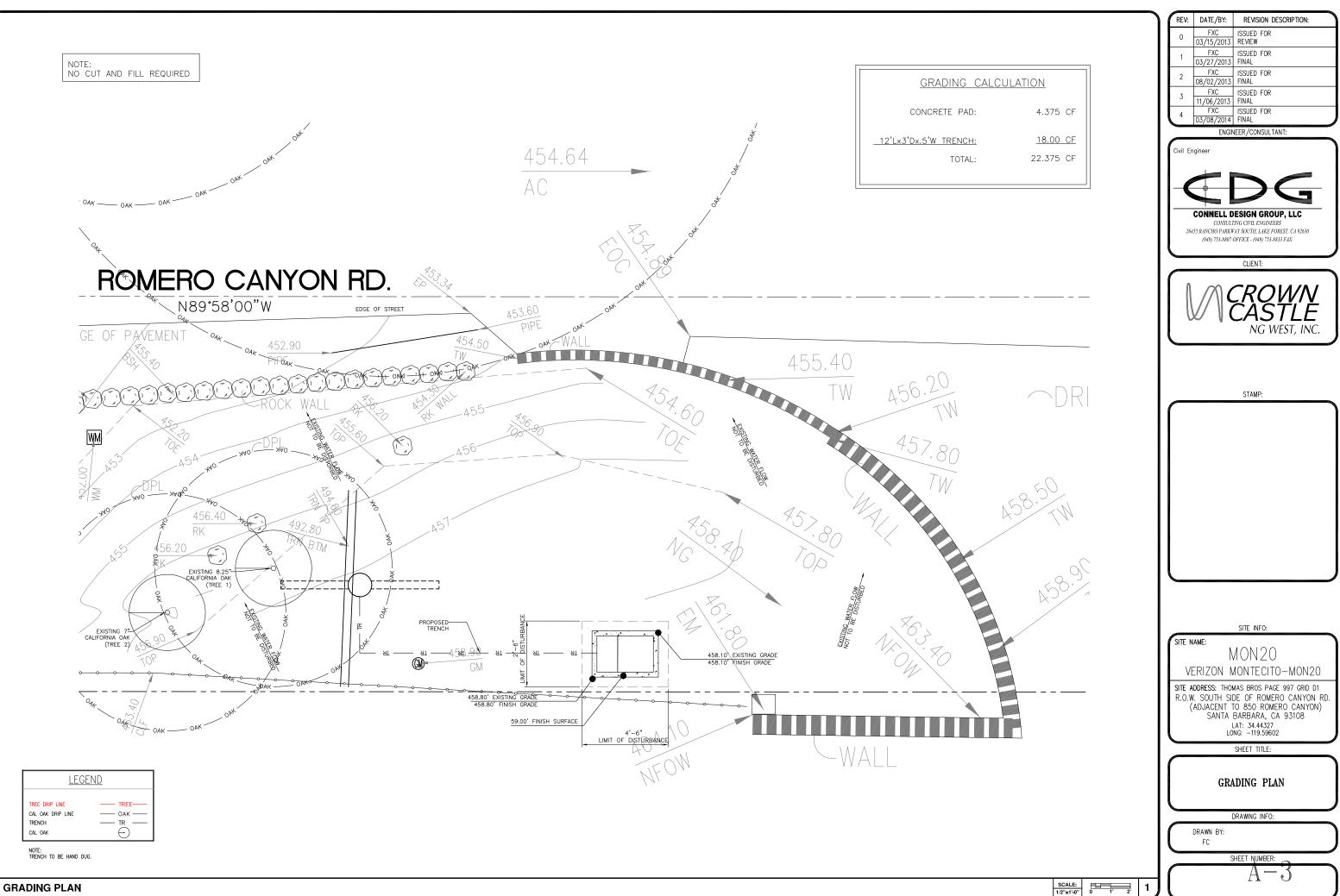


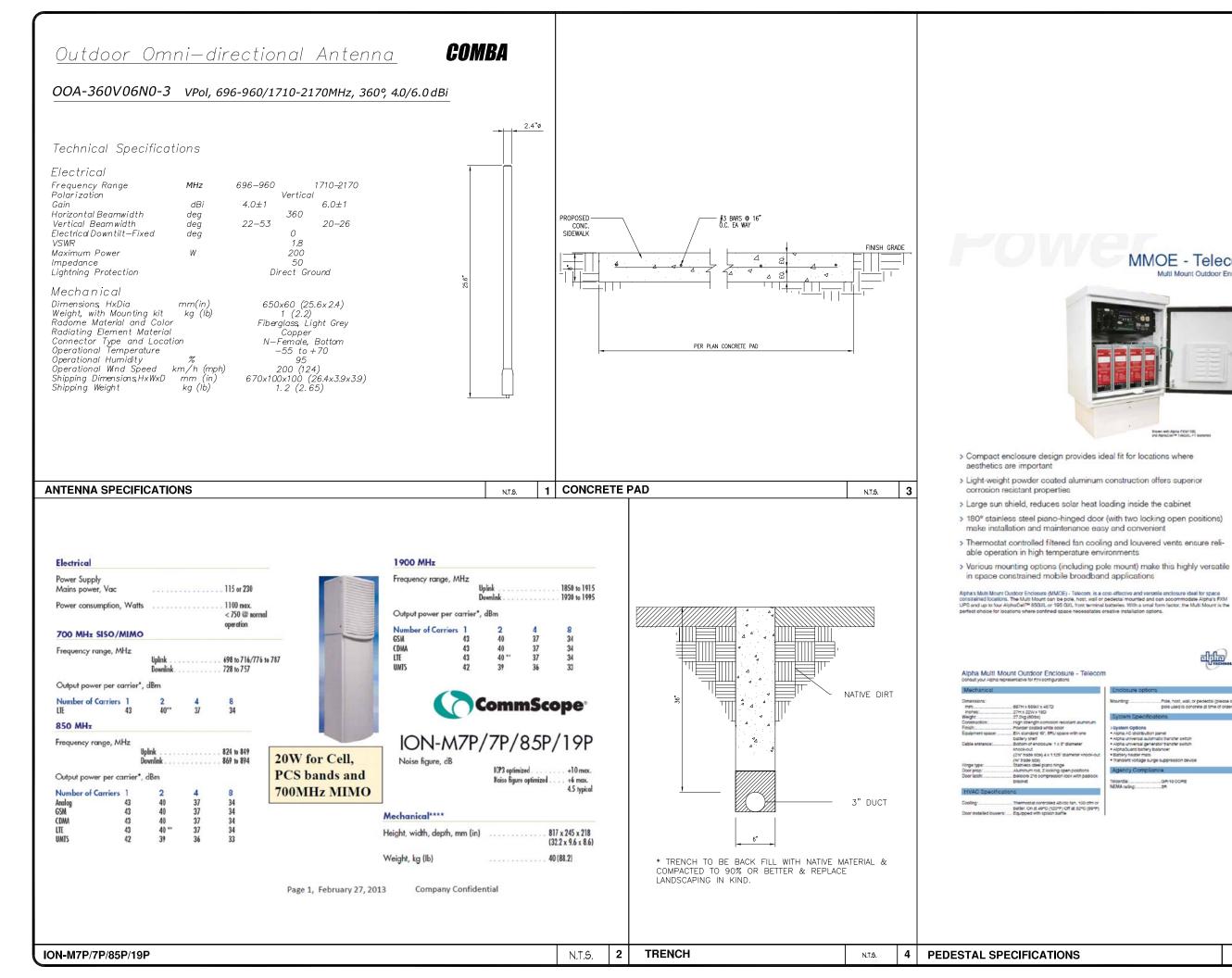
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BASIS OF BEARINGS:	LEGAL
THE NORTH RIGHT OF WAY LINE OF ROMERO CANYON R BEING SOUTH 89°58'00" EAST PER RECORD OF SURVEY,	
62/22, RECORDS OF SANTA BARBARA COUNTY.	DATE O
ASSESSOR'S IDENTIFICATION:	JULY 11
N/A	SURVEY
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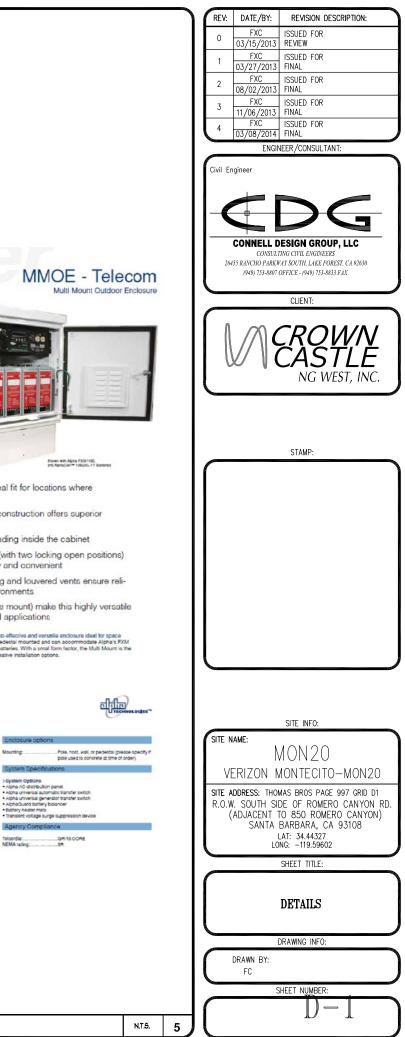






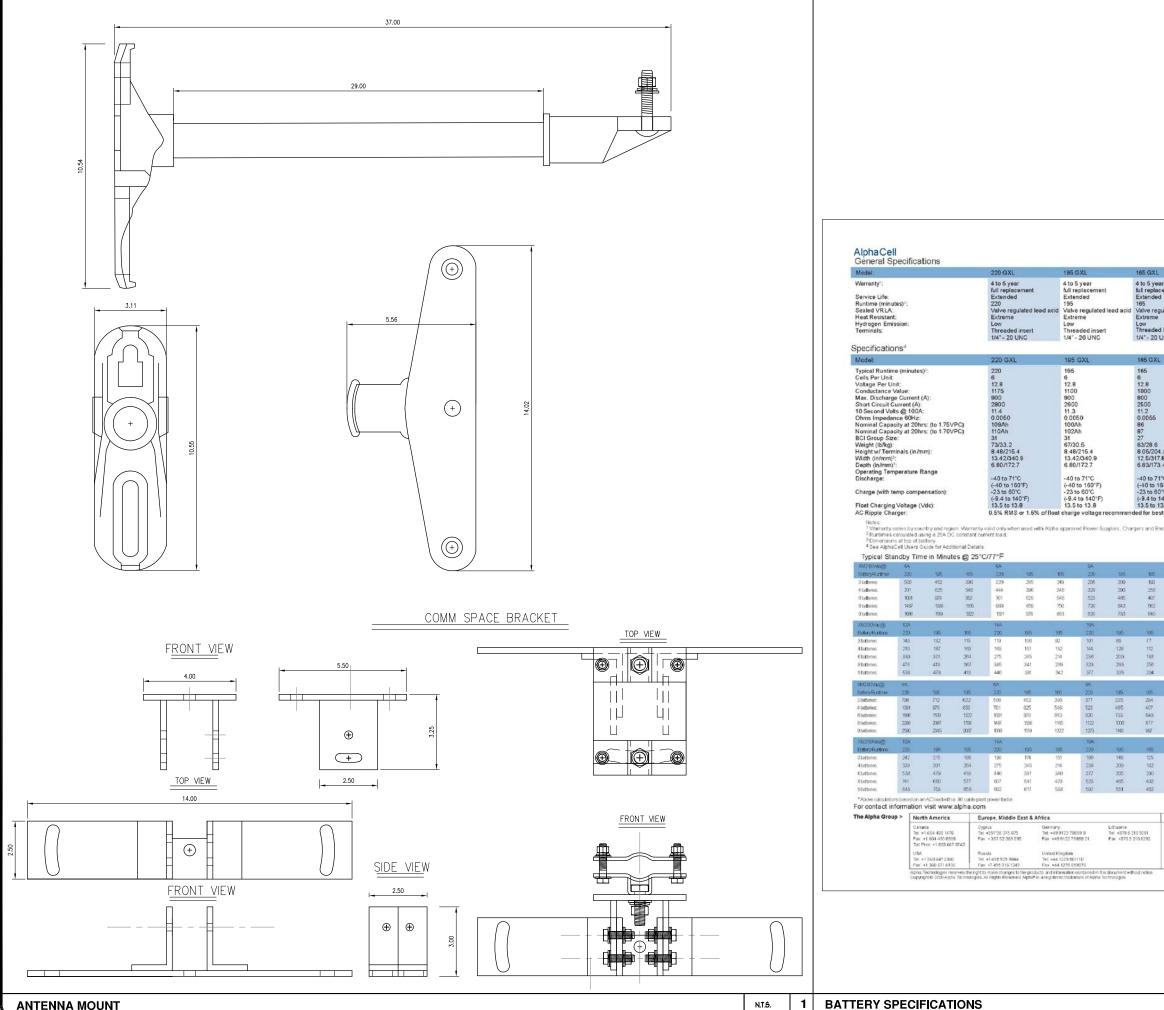






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	2 FXC ISSUED FOR 08/02/2013 FINAL
	3 FXC ISSUED FOR 11/06/2013 FINAL
	4 FXC ISSUED FOR 03/08/2014 FINAL
	ENGINEER/CONSULTANT:
	Civil Engineer
	CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS
	26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX
	CLIENT:
	CROWN CASTLE
	NG WEST, INC.
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	SITE NAME:
	MON20
	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
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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 ENGINEERING 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 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 DESTROYED BY THE CONSTRUCTION.
- 5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALD. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE YOU DIG.
- 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 CONSTRUCTION.
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMDRAIN MAIN INCLUDING ALL CROSSINGS.
- 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 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 PROCEAM 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 POLLUTION

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.
- 1. 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 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, 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 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.
- 9. 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

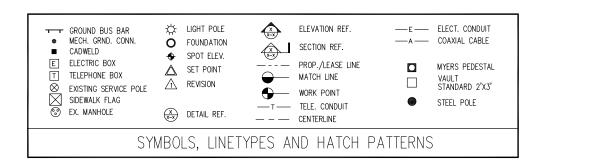


CROWN CASTLE NG WEST, INC

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



VICINITY MAP - N.T.S.



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 ACTIVITY.

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.

HAZARDOUS CONDITION.

12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

WORKING DAY WHEN RAIN IS IMMINENT.

FROSION/SEDIMENT CONTROL MEASURES.

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 ROAD OR ALLEY CLOSURE

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

PROJECT DICTIONARY

SITE ADDRESS:

SHEET INDEX:

A-2

-1 - SHEET 1 OF 8

A-1 - SHEET 2 OF 8 A-2 - SHEET 3 OF 8

A-3 - SHEET 4 OF 8

D-1 - SHEET 5 OF 8

D-2 - SHEET 6 OF 8

D-3 - SHEET 7 OF 8 D-4 - SHEET 8 OF 8

TITLE SHEET SITE PLAN

DETAILS.

DETAILS

DETAILS

GRADING PLAN

PROPOSED ELEVATIONS

APPLICANT:

CIVIL ENGINEER:

		CONSTRUCTION CHANGE TABLE
CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS
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APPLICABLE CODES	PROJECT DESCRIPTION
ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:	PROJECT CONSISTS OF INSTALLATION OF:
*2010 CALIFORNIA BUILDING CODE *2010 CALIFORNIA MECHANICAL CODE *2010 CALIFORNIA PLUMBING CODE	 (2) OMNI DIRECTIONAL ANTENNAS ON EXISTING UTILITY POLE 2. EQUIPMENT VAULT AT BASE OF EXISTING POLE
*2010 CALIFORNIA ELECTRICAL CODE	

3. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF IN THE EVENT OF CONFLICT. THE MOST RESTRICTIVE CODE SHALL PREVAIL

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

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.

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

R.O.W. SOUTH SIDE OF CAMINO DEL ROSARIO (ADJACENT TO 2245 CAMINO DEL ROSARIO) 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

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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1	FXC 03/27/2013	ISSUED FOR FINAL
2	FXC 11/06/2013	ISSUED FOR FINAL
3	FXC 03/08/2013	ISSUED FOR FINAL

ENGINEER / CONSULTANT:

Civil Engineer



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

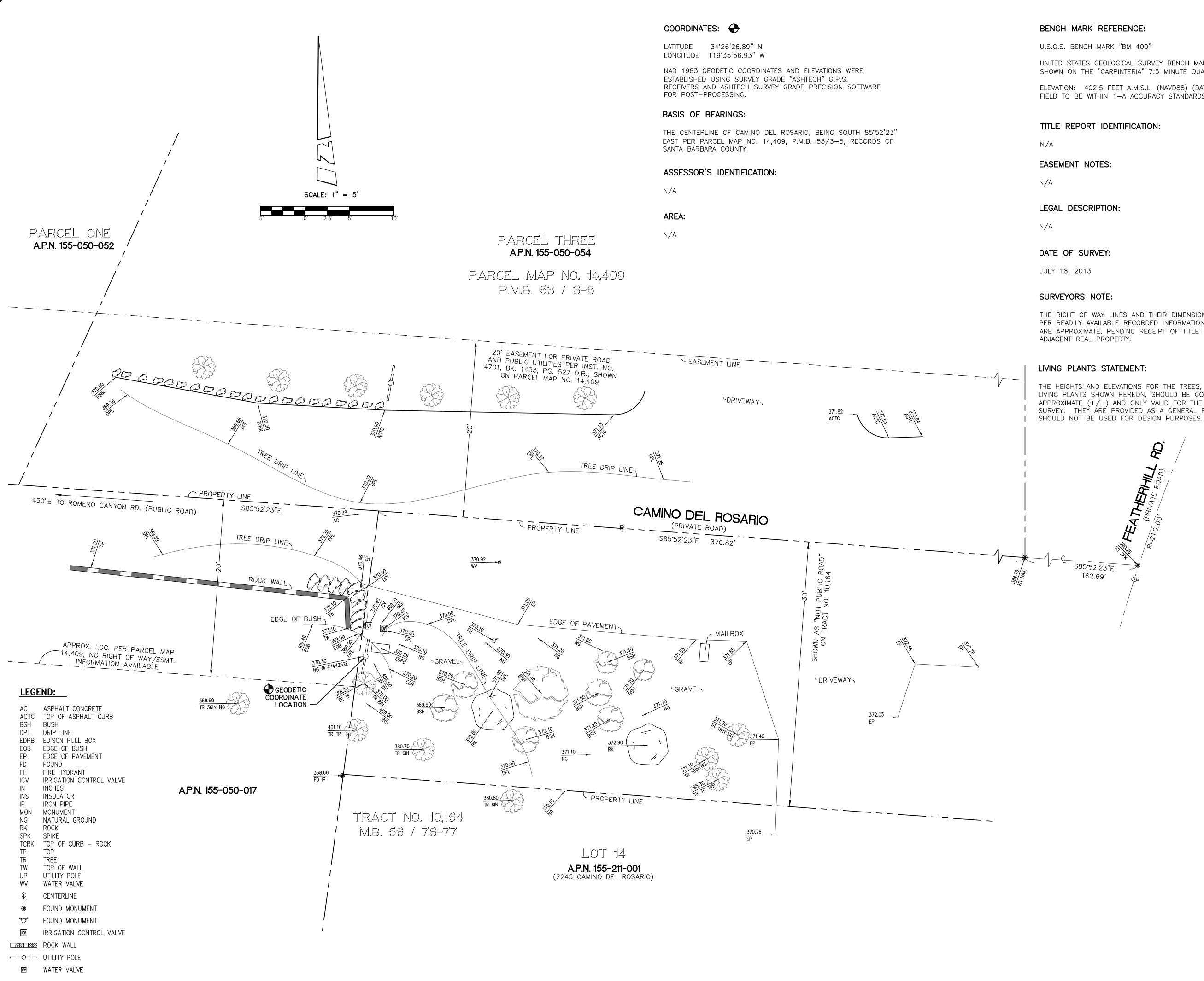
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SITE INFO: SITE NAME: MON21 VERIZON MONTECITO-MON21 SITE ADDRESS: THOMAS BROS PAGE 997 GRID D1 R.O.W. SOUTH SIDE OF CAMINO DEL ROSARIO (ADJACENT TO 2245 CAMINO DEL ROSARIO) SANTA BARBARA, CA 93108 LAT: 34.44083* LONG: -119.59919 SHEET TITLE: TITLE SHEET DRAWING INFO: DRAWN BY: FC

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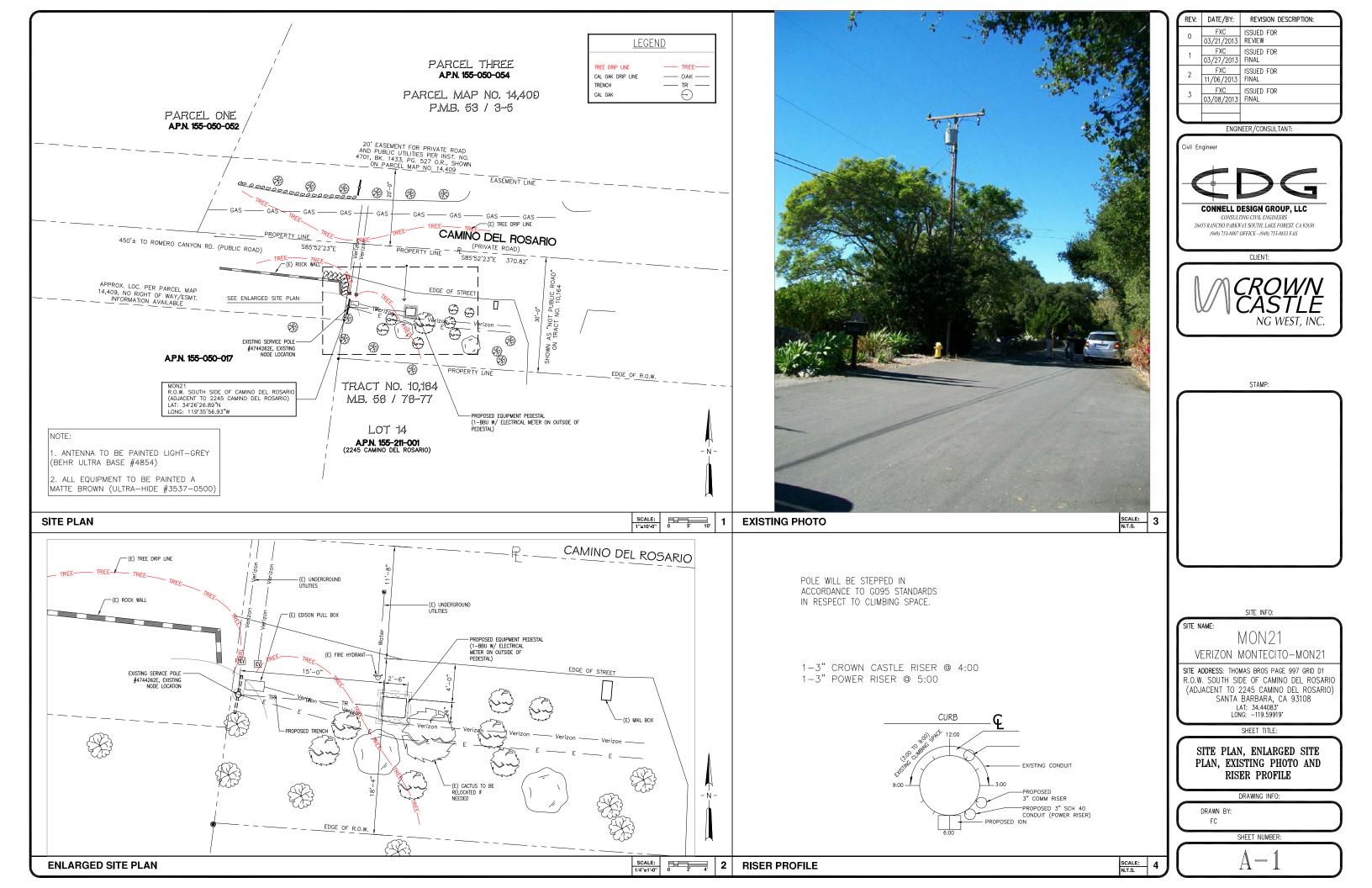
UNITED STATES GEOLOGICAL SURVEY BENCH MARK "BM 400" AS SHOWN ON THE "CARPINTERIA" 7.5 MINUTE QUADRANGLE MAP.

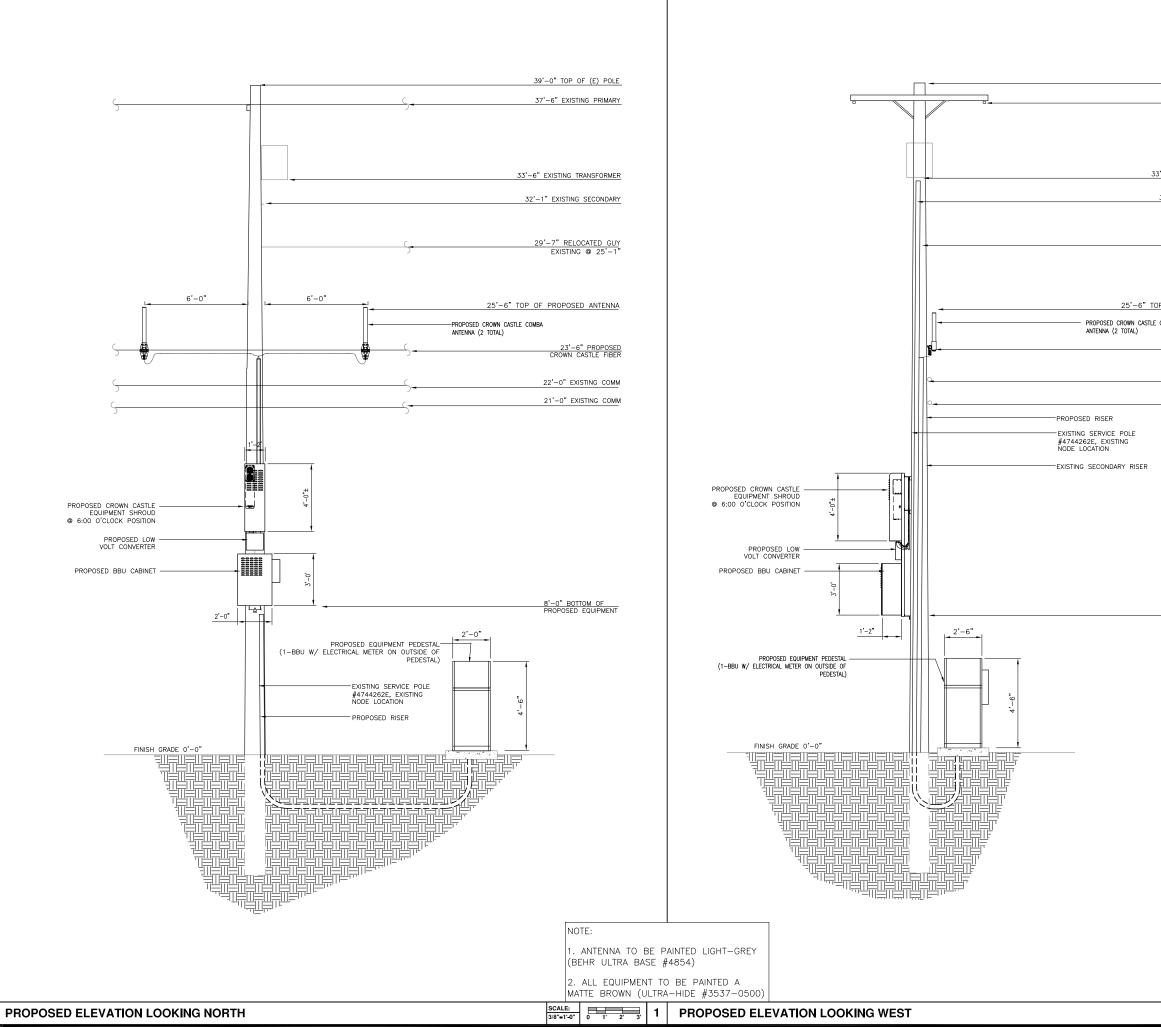
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THE RIGHT OF WAY LINES AND THEIR DIMENSIONS SHOWN HEREON ARE PER READILY AVAILABLE RECORDED INFORMATION AND THEIR LOCATIONS ARE APPROXIMATE, PENDING RECEIPT OF TITLE REPORT(S) FOR THE

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

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		: FOREST, CA 92630-8326 7 OFFICE - (949) 753-8833 FAX
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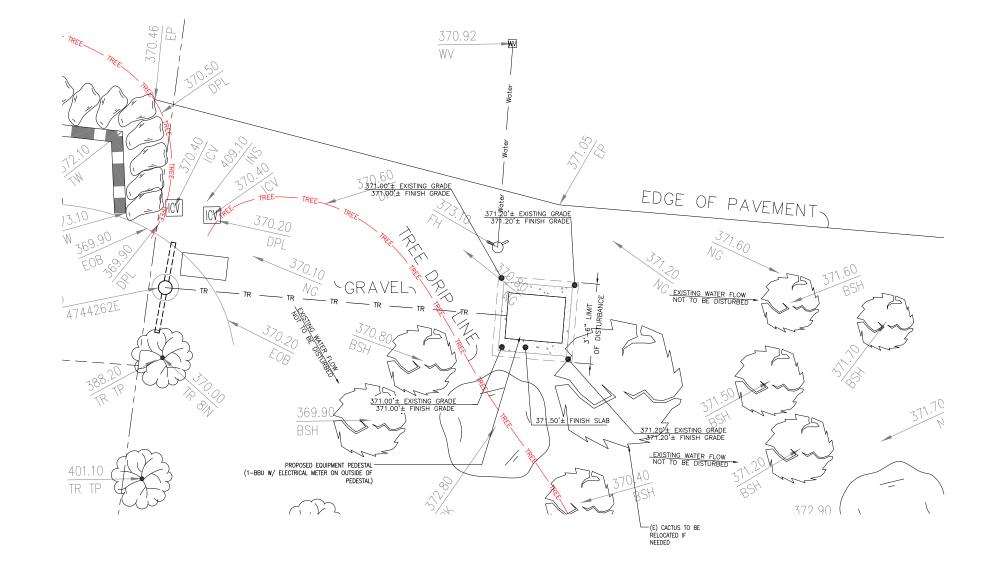


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	1 FXC ISSUED FOR
	03/27/2013 FINAL
39'-0" TOP OF (E) POLE	2 FXC ISSUED FOR 11/06/2013 FINAL
37'-6" EXISTING PRIMARY	3 FXC ISSUED FOR
	03/08/2013 FINAL
	ENGINEER/CONSULTANT:
	Civil Engineer
33'-6" EXISTING TRANSFORMER	
32'-1" EXISTING SECONDARY	
	CONNELL DESIGN GROUP, LLC
29'-7" RELOCATED GUY EXISTING @ 25'-1"	CONSULTING CIVIL ENGINEERS 26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630
	(949) 753-8807 OFFICE - (949) 753-8833 FAX
	CLIENT:
TOP OF PROPOSED ANTENNA	
TLE COMBA	CROWN CASTLE
23'-6" PROPOSED CROWN CASTLE FIBER	II W/ CASTIF
CROWN CASILE FIBER	NG WEST, INC.
22'-0" EXISTING COMM	
21'-0" EXISTING COMM	
	STAMP:
8'-0" BOTTOM OF PROPOSED EQUIPMENT	
	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:
	FIEVATION
	ELEVATION
	DRAWING INFO:
	DRAWN BY:
	FC
	SHEET NUMBER:
	A-2
SCALE: 3/8"=1'-0" 0 1' 2' 3' 2	

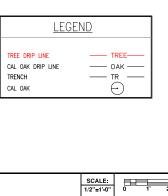
GRADING CALCULATION

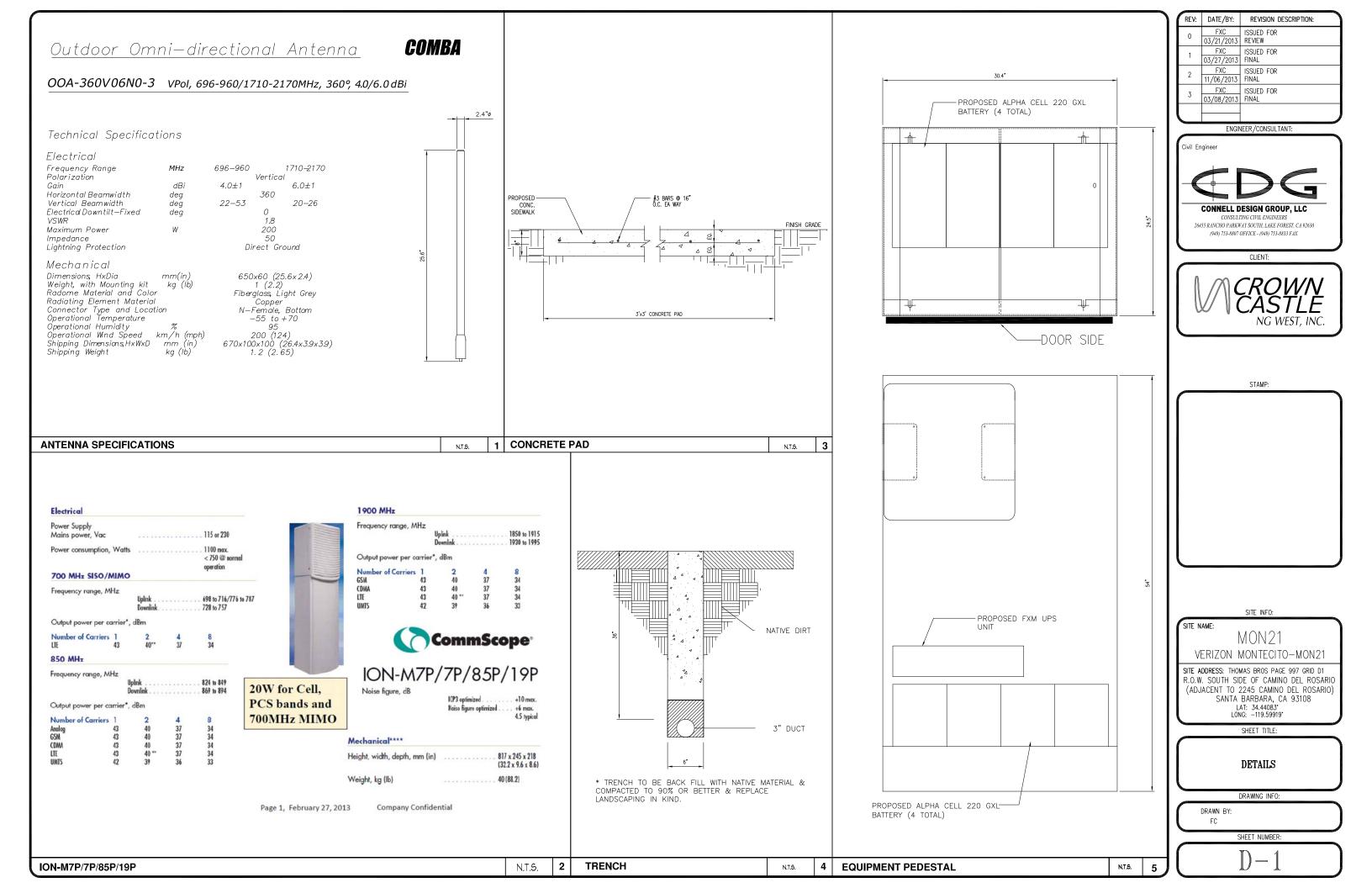
CONCRETE PAD:	2.997 CF
15'Lx3'Dx.5'W TRENCH:	<u>22.5± CF</u>
TOTAL:	25.497± CF

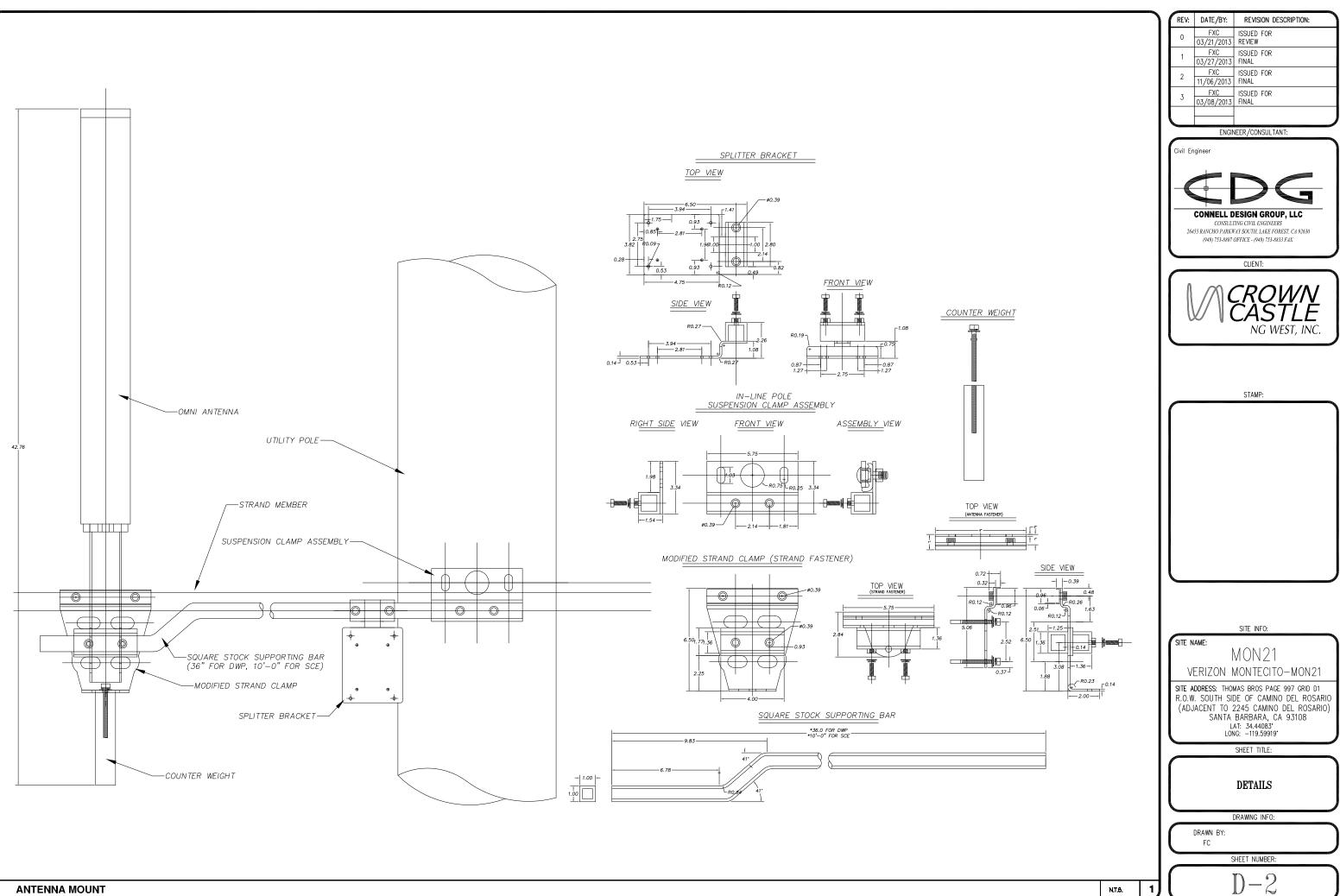
NOTE: NO CUT AND FILL

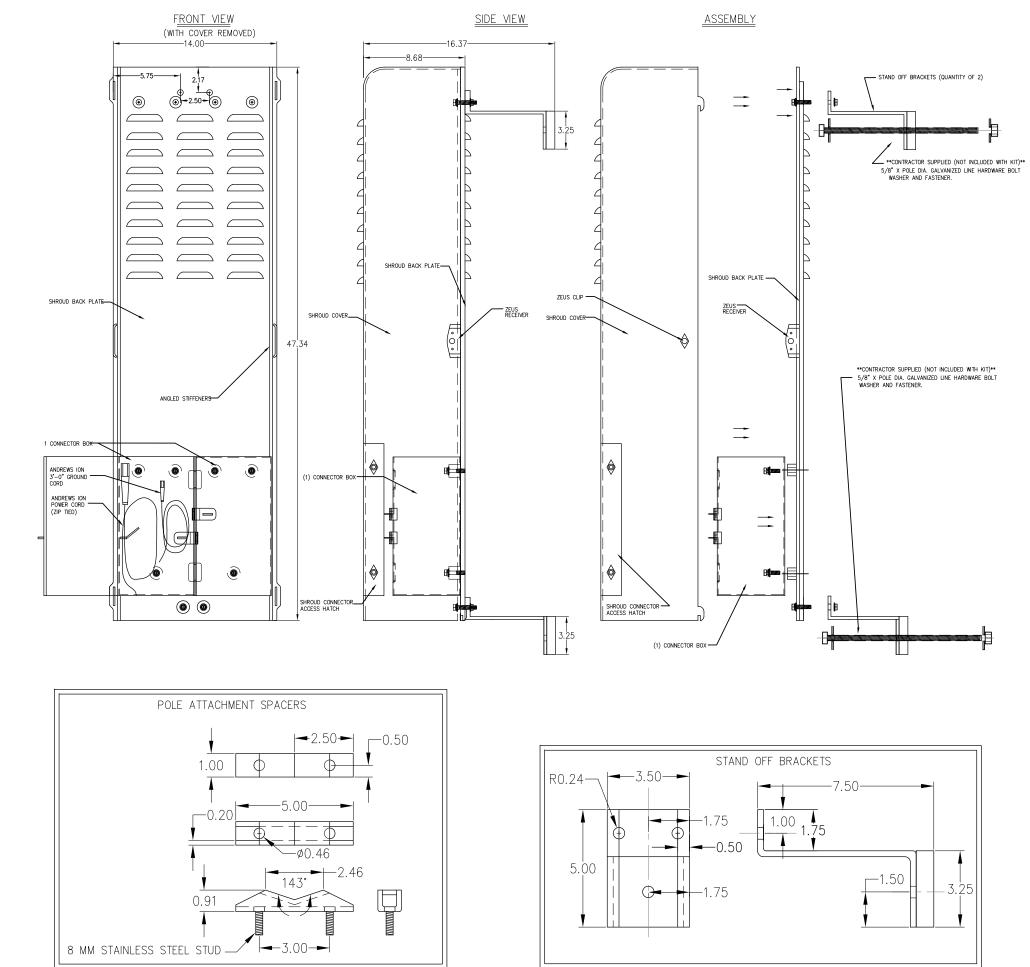


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	REV: DATE/BY: REVISION DESCRIPTION: 0 FXC ISSUED FOR
	0 03/21/2013 REVIEW
	1 FXC ISSUED FOR 03/27/2013 FINAL
	2 FXC ISSUED FOR 11/06/2013 FINAL
	3 FXC ISSUED FOR 03/08/2013 FINAL
	ENGINEER/CONSULTANT:
	Civil Engineer
	CONNELL DESIGN GROUP, LLC
	CONSULTING CIVIL ENGINEERS 26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630
	(949) 753-8807 OFFICE - (949) 753-8833 FAX
	CLIENT:
	CROWN CASTLE
	NG WEST, INC.
	STAMP:
	SITE INFO:
	site name: MON21
	IVIONZI 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
	DDAMANO INICO.
	DRAWING INFO: DRAWN BY:
	FC
	SHEET NUMBER:
N.T.S. 1	D-3



lodel:	220 GXL	195 GXL	165 GXL
Warranty':	4 to 5 year full replacement	4 to 5 year full replacement	4 to 5 year 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
pecifications ⁴			
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
	04	04	27
BCI Group Size:	31	31	
BCI Group Size: Weight (Ib/kg):	73/33.2	67/30.5	63/28.6
			63/28.6 8.05/204.5
/veight (lb/kg):	73/33.2 8.48/215.4 13.42/340.9	67/30.5 8.48/215.4 13.42/340.9	8.05/204.5 12.5/317.8
Weight (lb/kg): Height w/ Terminals (in/mm):	73/33.2 8.48/215.4	67/30.5 8.48/215.4	8.05/204.5
Weight (Ib/kg): Height w/ Terminals (in/mm): Midth (in/mm)³: Depth (in/mm)³: Operating Temperature Range	73/33.2 8.48/215.4 13.42/340.9 6.80/172.7	67/30.5 8.48/215.4 13.42/340.9 6.80/172.7	8.05/204.5 12.5/317.8 6.83/173.4
Meight (Ib/kg): ⊣eight w/Terminals (in/mm): Midth (in/mm) ³ : Depth (in/mm) ³ :	73/33.2 8.48/215.4 13.42/340.9 6.80/172.7 -40 to 71°C	67/30.5 8.48/215.4 13.42/340.9 6.80/172.7 -40 to 71°C	8.05/204.5 12.5/317.8 6.83/173.4 -40 to 71°C
Weight (Ib/kg): Height w/ Terminals (in/mm): Width (in/mm) ³ : Depth (in/mm) ³ : Dperating Temperature Range Discharge:	73/33.2 8.48/215.4 13.42/340.9 6.80/172.7 -40 to 71°C (-40 to 160°F)	67/30.5 8.48/215.4 13.42/340.9 6.80/172.7 -40 to 71°C (-40 to 180°F)	8.05/204.5 12.5/317.8 6.83/173.4 -40 to 71°C (-40 to 160°F)
Weight (Ib/kg): Height w/ Terminals (in/mm): Midth (in/mm)³: Depth (in/mm)³: Operating Temperature Range	73/33.2 8.48/215.4 13.42/340.9 6.80/172.7 -40 to 71°C (-40 to 71°C (-40 to 160°F) -23 to 60°C	67/30.5 8.48/215.4 13.42/340.9 6.80/172.7 -40 to 71°C (-40 to 160°F) -23 to 60°C	8.05/204.5 12.5/317.8 6.83/173.4 -40 to 71°C (-40 to 160°F) -23 to 60°C
Weight (Ib/kg): Height w/ Terminals (in/mm): Width (in/mm) ³ : Depth (in/mm) ³ : Dperating Temperature Range Discharge:	73/33.2 8.48/215.4 13.42/340.9 6.80/172.7 -40 to 71°C (-40 to 160°F)	67/30.5 8.48/215.4 13.42/340.9 6.80/172.7 -40 to 71°C (-40 to 180°F)	8.05/204.5 12.5/317.8 6.83/173.4 -40 to 71°C (-40 to 160°F)

Notes:

AlphaCell

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.

Typical Standby Time in Minutes @ 25°C/77°F												
MA2 90Vao@	4,A,			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
Bibatteries:	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:	1696	1519	1322	1091	978	853	820	733	640	659	587	514
4M290Vac@	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
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
CM260Vac@	4A.			6A			8A			10A		
Battery Runtime:	220	195	165	220	195	165	220	195	165	2.20	195	165
batteries:	798	712	622	508	453	396	377	335	294	300	267	233
batteries:	1091	978	853	701	625	546	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
4M2.60Vao@	12A			14A			16A.			18A		
Battery Runtime:	220	195	165	220	195	165	220	195	165	220	195	165
3 betteries:	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
Sbatteries:	538	479	419	440	391	340	377	335	290	329	293	252
3batteries:	741	660	577	607	541	470	523	465	402	458	407	351
9batteries:	843	753	658	692	617	538	597	531	462	523	465	402

*Above calculations based on an AC load with a .90 cable plant power factor.

For contact information visit www.alpha.com The Alpha Group > North America Europe, Middle East & Africa Latin & South America Asia Pacific Germany Tel: +49 9122 79889 0 Fax: +49 9122 79889 21 P.R. China Tel: +852 2736 8663 Fax: +852 2199 7968 Cyprus Tel: +357 25 375 675 Lithuania Tel: +370 5 210 5291 Fax: +370 5 210 5292 Contact USA office Canada Tel: +1 604 430 1476 Fax: +1 604 430 8908 Toll Free: +1 800 667 8743 Fax: +357 52 359 595 Russia Tel: +7 495 925 9844 Fax: +7 495 916 1349 United Kingdom Tel: +44 1279 501110 Fax: +44 1279 659870 USA Tel: +1 360 647 2360 Fax: +1 360 671 4936 049-297-10-8002 (06/09) Alpha Technologies reserves the right to make changes to the products and information contained in this document without notice. Copyright © 2009 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademark of Alpha Technologies.

		RE	EV:	DATE/BY:	REVISION DESCRIPTION:
		C		FXC 03/21/2013	ISSUED FOR REVIEW
				FXC	review ISSUED FOR FINAL
		2	, [03/27/2013 FXC	ISSUED FOR
			,	11/06/2013 FXC	FINAL ISSUED FOR
			·	03/08/2013	FINAL
				ENGIN	IEER/CONSULTANT:
		Civi	il Eng		
		-	C		
		-	-		ESIGN GROUP, LLC
				CONSULT 5 RANCHO PARKW	ING CIVIL ENGINEERS AY SOUTH, LAKE FOREST, CA 92630
				(949) 753-8807 (OFFICE - (949) 753-8833 FAX
					CLIENT:
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			$\ $	// \ \	CROWN CASTLE
			U		NG WEST, INC.
					STAMP:
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				ACENT TO 2	DE OF CAMINO DEL ROSARIO 2245 CAMINO DEL ROSARIO)
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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 ENGINEERING 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 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 DESTROYED BY THE CONSTRUCTION.
- 5. INPORTANT 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 DAYS BEFORE YOU DIG.
- 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 CONSTRUCTION.
- 9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMDRAIN MAIN INCLUDING ALL CROSSINGS.
- 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 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 PROCEAM 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 POLLUTION

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 CONSTRUCTION OF NEW WORK
- 4. GRADES SHOWN ARE FINISH GRADES, CONTRACTOR SHALL DETERMINE NECESSARY SUB GRADE ELEVATIONS AND SHALL CONSTRUCT MOOTH 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 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.
- 9. 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



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



VICINITY MAP - N.T.S.

FIEVATION REF

-F ---- FLECT, CONDUIT

TITLE SHEET

SITE PLAN

DETAILS.

DETAILS

DETAILS

GRADING PLAN

TOPOGRAPHIC SURVEY

PROPOSED ELEVATIONS

SHEET INDEX:

A-1

A-2

A-3

T-1 - SHEET 1 OF 8

C-1 - SHEET 2 OF 8

D-1 - SHEET 6 OF 8

D-2 - SHEET 7 OF 8

D-3 - SHEET 8 OF 8

SHEET 3 OF 8
 SHEET 4 OF 8

- SHEET 5 OF 8

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 ACTIVITY.

5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.

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.

HAZARDOUS CONDITION.

OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

WORKING DAY WHEN RAIN IS IMMINENT.

FROSION/SEDIMENT CONTROL MEASURES.

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 ROAD OR ALLEY CLOSURE

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

PROJECT DICTIONARY

SITE ADDRESS:

APPLICANT: CROWN CASTLE NG WEST, INC 25 WRIGHT AVE, SUITE #C9 VERNE, CA 91750 ONTACT: HEIDI PAYNE HONE: (949) 300-9493

	212 LA CO PH
<u>CIVIL ENGINEER:</u>	CO 26 LA CO (9,

		CONSTRUCTION CHANGE TABLE
CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS

 ■ GROUND DUS BAR ■ GROUND DUS BAR ■ CADWELD ■ ELECTRIC BOX □ TELEPHONE BOX ⊗ EXISTING SERVICE POLE SIDEWALK FLAG ③ EX. MANHOLE 	 ✓ FOUNDATION ✓ FOUNDATION ✓ SPOT ELEV. △ SET POINT △ REVISION ✓ DETAIL REF. 	SECTION REF. SECTION REF. PROP./LEASE LINE MATCH LINE WORK POINT T TELE. CONDUIT CENTERLINE	COAXIAL CABLE MYERS PEDESTAL VAULT STANDARD 2'X3' STEEL POLE
SY	MBOLS, LINET	YPES AND HATCH PA	ATTERNS

- Charlen Contraction Contra

APPLICABLE CODES	PROJE
ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:	PROJECT CONSISTS 0
*2010 CALIFORNIA BUILDING CODE *2010 CALIFORNIA MECHANICAL CODE	1. (2) OMNI DIRECTIO
*2010 CALIFORNIA PLUMBING CODE	2. EQUIPMENT SHROU

*2010 CALIFORNIA ELECTRICAL CODE 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. EQUIPMENT SHROUD & BBU ON EXISTING POLE

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

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

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

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

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

ONNELL DESIGN GROUP, LLC 6455 RANCHO PARKWAY SOUTH AKE FOREST, CA 92630 NTACT: FRANK CARTER 49) 310-8233 PHONE (949) 753-8833 FAX

REV:	DATE/BY:	REVISION DESCRIPTION:
0	FXC 03/15/2013	ISSUED FOR REVIEW
1	FXC 04/25/2013	ISSUED FOR FINAL
2	FXC 11/06/2013	ISSUED FOR FINAL
3	FXC 02/18/2014	ISSUED FOR FINAL
4	FXC 03/08/2014	ISSUED FOR FINAL
	ENGI	NEER/CONSULTANT:

Civil Engineer



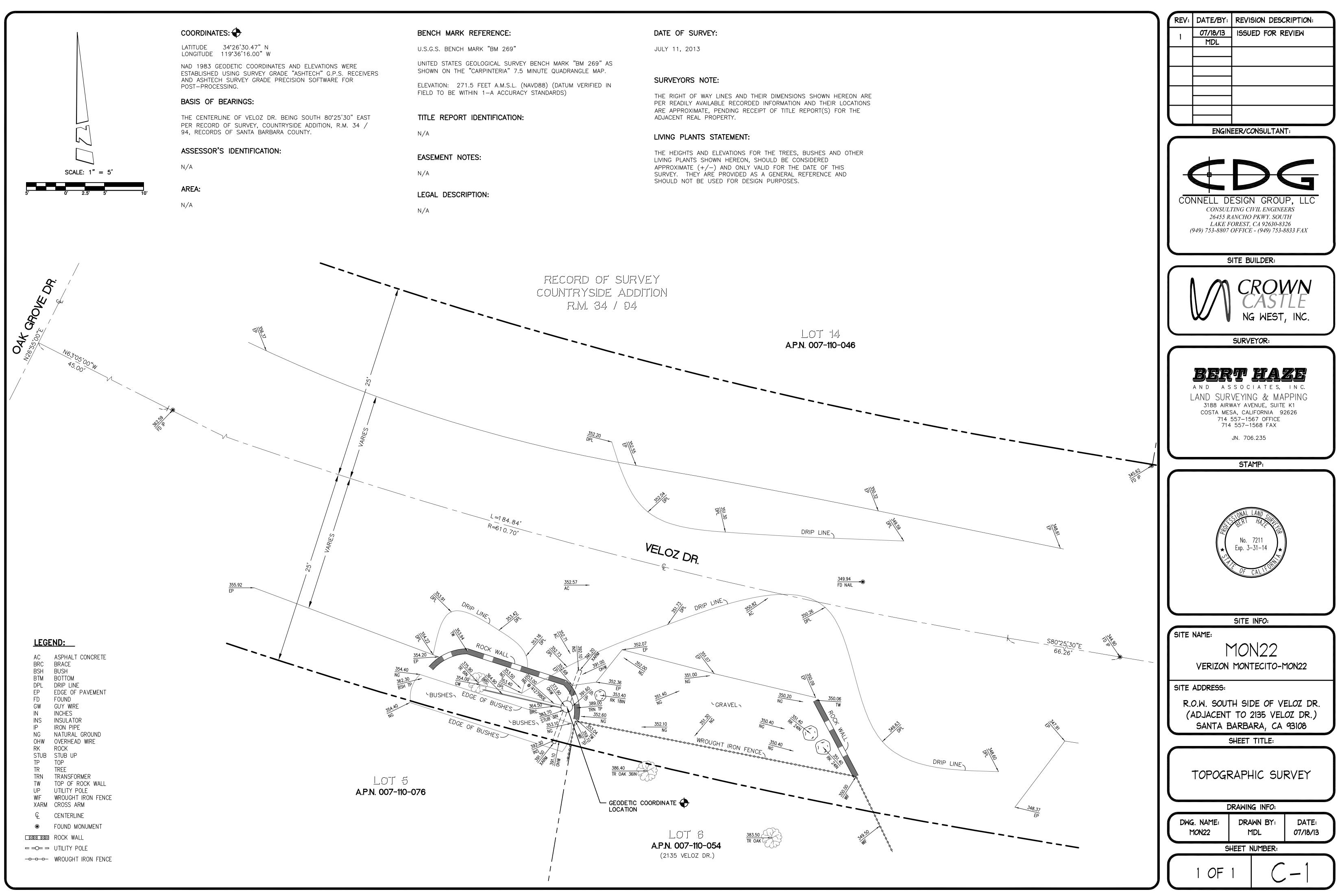
26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

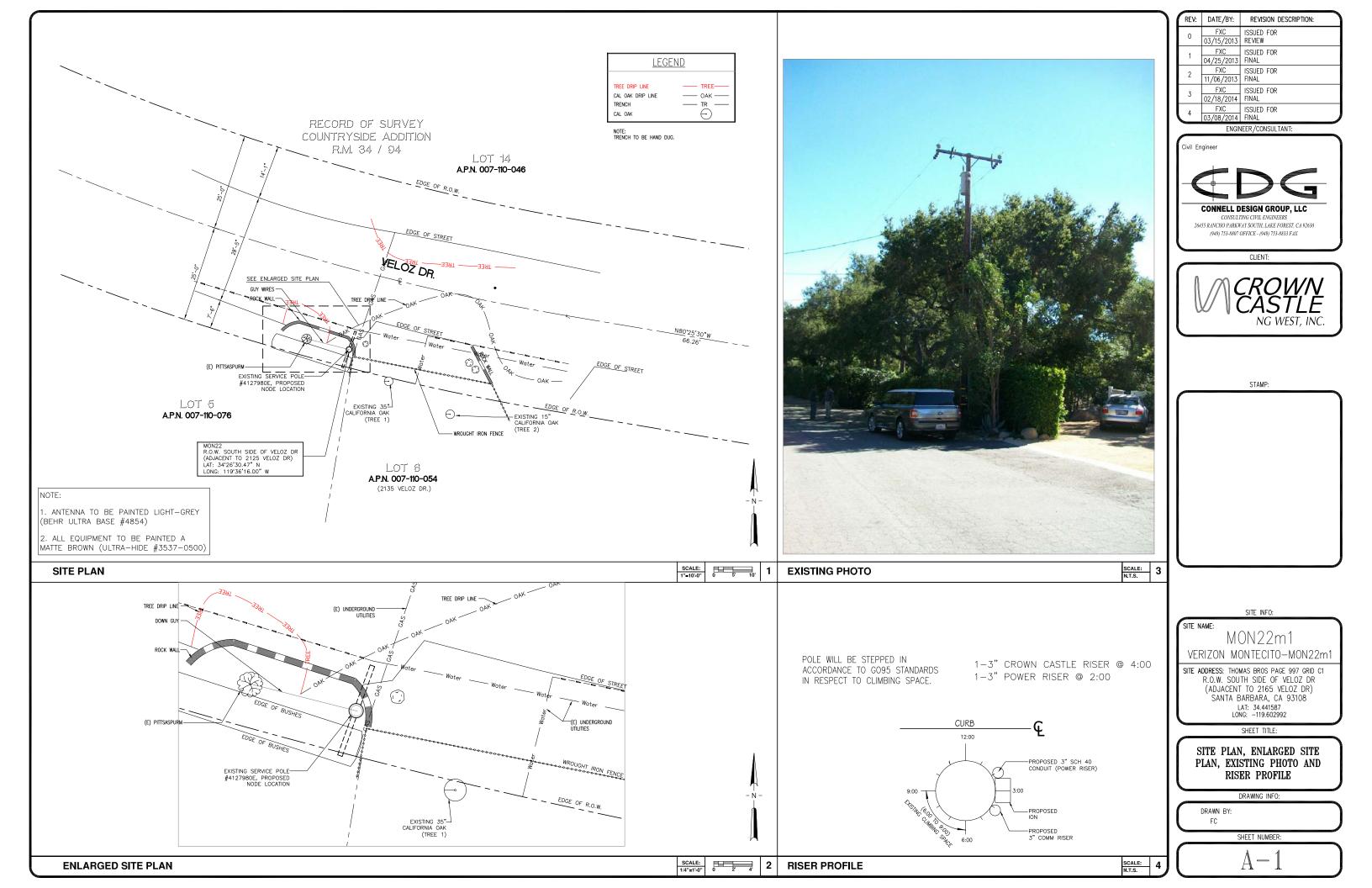
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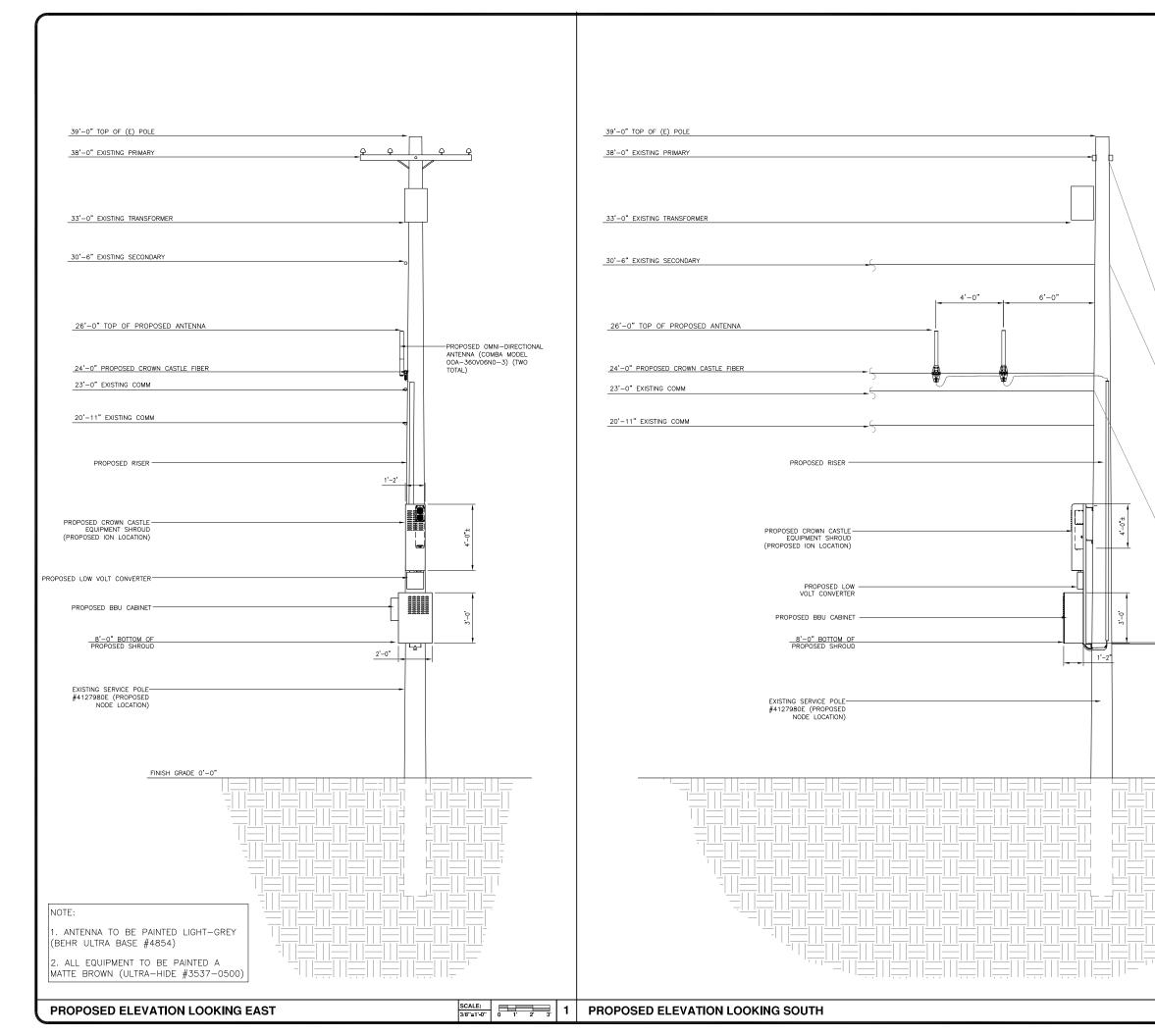


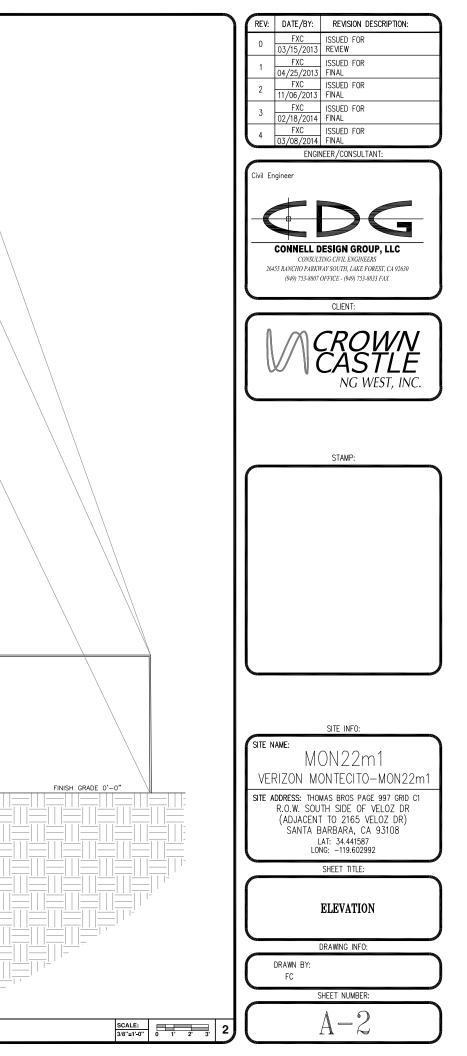
STAMP:

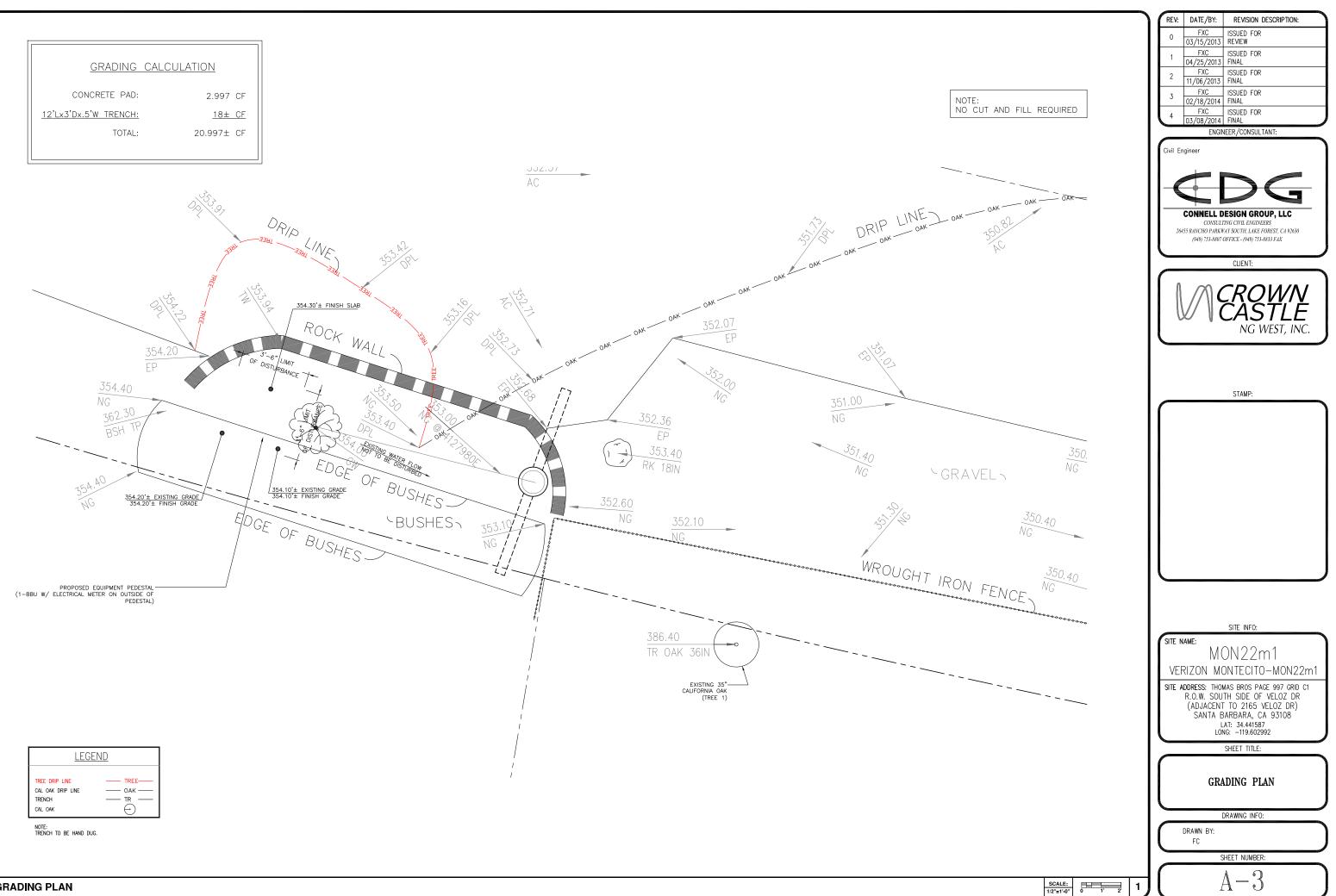
SITE INFO: SITE NAME: MON22m1 VERIZON MONTECITO-MON22m1 SITE ADDRESS: THOMAS BROS PAGE 997 GRID C1 R.O.W. SOUTH SIDE OF VELOZ DR (ADJACENT TO 2165 VELOZ DR) SANTA BARBARA, CA 93108 LAT: 34.441587 LONG: -119.602992 SHEET TITLE: TITLE SHEET DRAWING INFO: DRAWN BY: FC SHEET NUMBER:





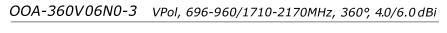


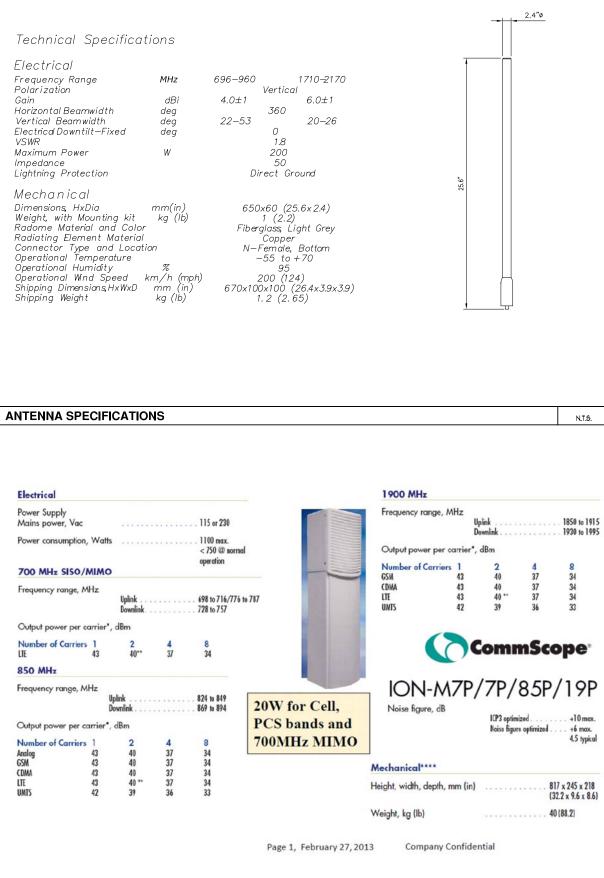




Outdoor Omni-directional Antenna

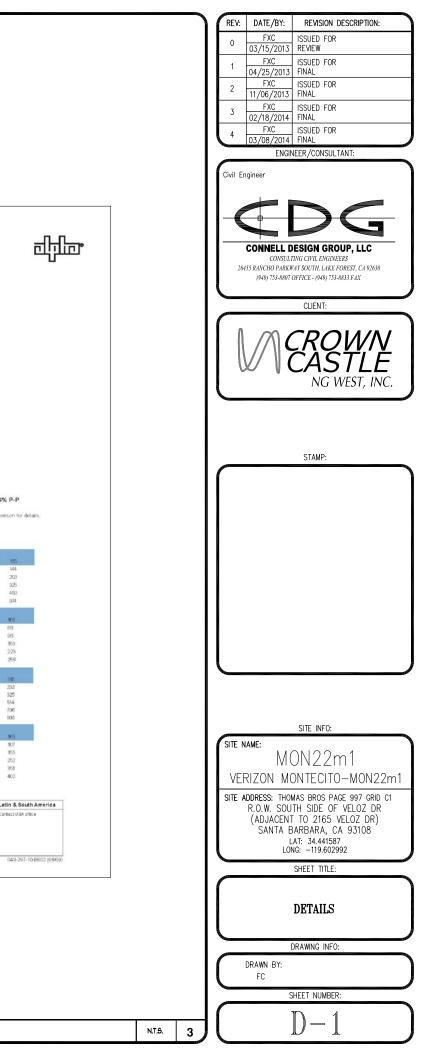
COMBA

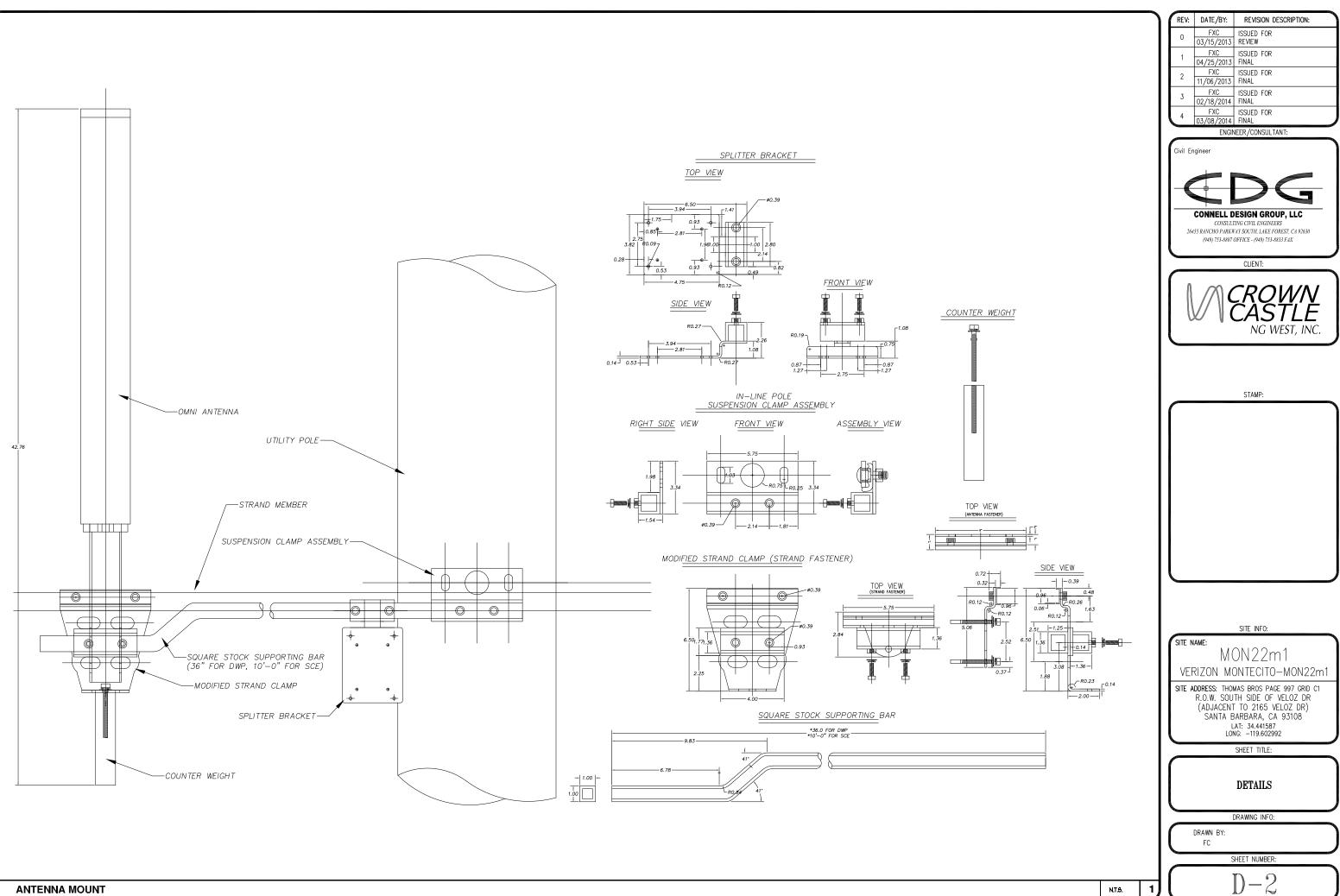


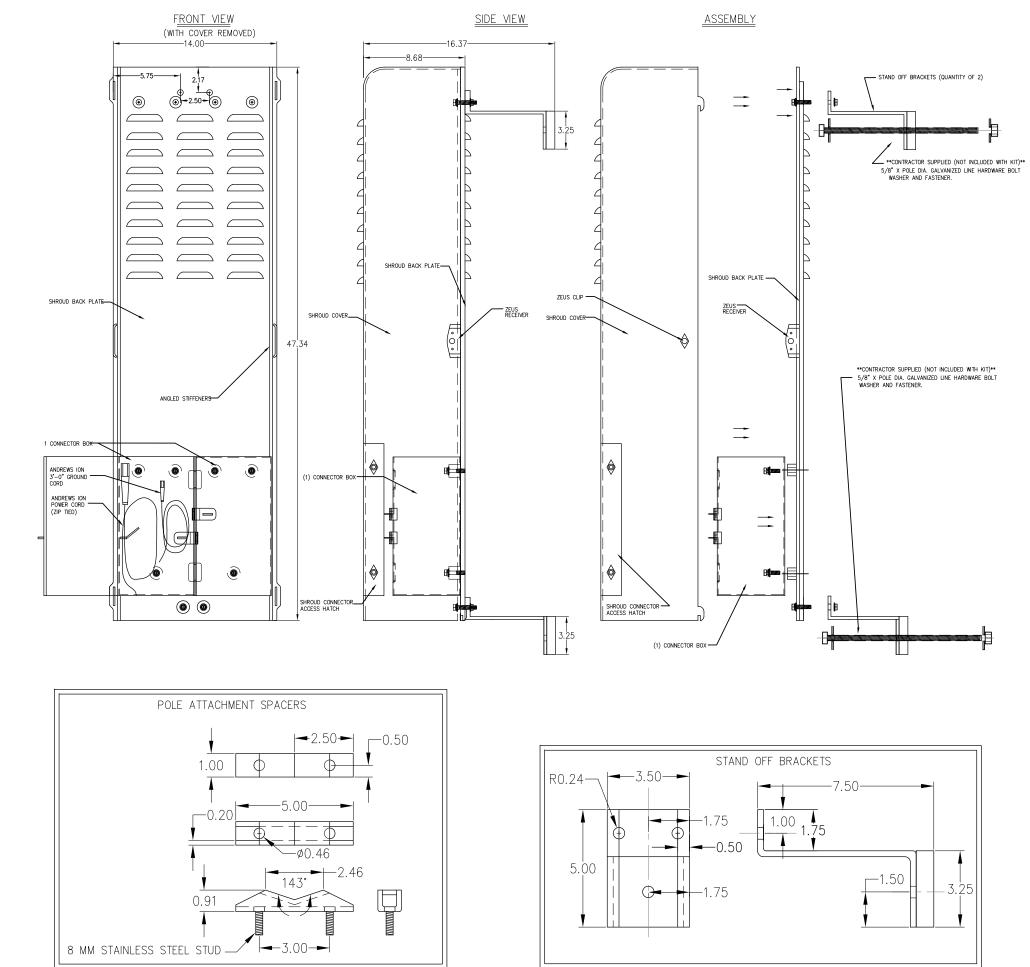


General Sp Model:				220 GX		10	5 GXL		165 GXL		7	
Warranty':				4 to 5 ye			o 5 year			te:		
Service Life:				full repla Extende	cement	nt full replacement Extended		nt	4 to 5 year full replacement Extended			
Runtime (minut	es)2;			220	a	195			165			
Sealed VRLA:				gulated lea		ve regulate	d lead acid		lated lead a	cid		
Heat Resistant: Hydrogen Emission:				Extreme		Ext	treme		Extreme			
Hydrogen Emission: Terminals:			Threade		Th	Threaded insert 1/4" - 20 UNC		Threaded insert				
pecification	ns ⁴			1/4" - 20	UNC	1/4	- 20 UNC		1/4" - 20 U	NC		
Model:	10			220 GX	Ľ	19	5 GXL		165 GXL			
Typical Runtime	e (minute:	0 ² :		220		19	5		165			
Cells Per Unit:				6		6 12			6 12.8			
Voltage Per Uni Conductance V	alue:			1175		11			1000			
Max. Discharge	Current	(A):		900		90			800			
Short Circuit Cu 10 Second Volt	s @ 100A			2800		26			2500			
Ohms Impedan	ce 60Hz:			0.0050		0.0	050		0.0055			
Nominal Capac	ity at 20h	rs: (to 1.75\	PC)	109Ah 110Ah			0Ah		86 87			
Nominal Capac BCI Group Size	ity at 20h	rs: (to 1.70)	PC)	110An 31		10	2Ah		27			
Weight (lb/kg):				73/33.2		67	30.5		63/28.6	56.		
Height w/ Termi	nals (in/n	nm):		8.48/215	5.4	8.4	8/215.4		8.05/204.	5		
Width (in/mm) ³ : Depth (in/mm) ³ :				13.42/34 6.80/172	2.7	13	42/340.9		12.5/317.1	4		
Operating Temp	perature l	Range										
Discharge:				-40 to 7 (-40 to 1		-4	0 to 71°C 0 to 160°F)		-40 to 71	C OFF		
Charge (with te	mp comp	ensation):		-23 to 60	00 F) 0°C	-23	3 to 60°C		(-40 to 160'F) -23 to 60°C			
				(-9.4 to	140°F)	(-9	4 to 140°F)		(-9.4 to 14	10"F)		
Float Charging AC Ripple Char		vdc):		13.5 to 1			5 to 13.8		13.5 to 13	k.8 tresults. Max	. allowed	
Notes: ¹ Warranty ve	nies by con	intry and regi	on Warrar	ity valid only wh current losid.	en used with	Alpha appr	oved Power S	upplies, Char	gers and End	losures Cons	uit your sa	les p
³ Dimensions	at top of b	attery.										
⁴ See AlphaC	at top of b	attery.										
³ Dimensions ⁴ See AlphaC Typical Star	at top of to cell Users (ndby Tim	ottery. Fuide for Add	tional Deta	ils 5°C/77°F								
³ Dimensions ⁴ See AlphaC Typical Star XM290Veo(3)	at top of b ell Users (ndby Tim 4A	attery Fuide for Add re in Minut	tional Detr es @ 25	6°C/77°F 64	HIST.	1955.04	84	150	1000	104		
³ Dimensions ⁴ See AlphaC Typical Star XM290400(2) Battery-Rustima	at top of b cell Users (adby Tim 4A 220	attery Juide for Add Le in Minut	tional Deta es @ 25 165	sils 5°C/77°F GA 220	195	185	84 230	195	165	10A 220	1,6	
³ Dimensions ⁴ See AlphaC Typical Star xM2904600 BittinyRuttma 3 tatteres	at top of b cell Users (adby Tim 4A 220 506	attery Juide for Add Ine in Minut 166 453	tional Deta es @ 25 165 300	6A 5°C/77°F 6A 220 320	196 265	165 249	84 220 230	195 209	105 103	10A 220 186	105 105	
³ Dimensions ⁴ See AlphaC Typical Star XM290400(2) Battery-Rustima	at top of b cell Users (adby Tim 4A 220	attery Juide for Add Le in Minut	tional Deta es @ 25 165	sils 5°C/77°F GA 220	195	185	84 230	195	165	10A 220	1,6	
³ Dumensions ⁴ See AlphaC Typical Star XM2 90Vao(2) Battry/Funtma 3 tottones 4 batteres	at top of b lett Users (hdby Tim 4A 220 508 701	attery Fuide for Add te in Minut 195 453 625	tional Dete es @ 25 165 306 546	64 5°C/77°F 64 220 320 444	195 285 336	105 249 346	84 230 230 329	105 206 233	165 163 256	10A 220 186 281	105 105 232	
³ Dimensions ⁴ See AlphaC Typical Star XM290Vadb BittinyRuthine 3 tollones 4 tollones 8 tollones	at top of b ell Users (adby Tim 4A 220 500 701 1091	attery Guide for Addi te in Minut 195 453 625 973	tional Detr es @ 25 165 306 546 83	6°C/77°F 6A 220 320 444 701	195 285 326 825	165 249 348 548	84 220 220 329 523	195. 206 293 405	165 163 256 407	10A 220 186 261 418	105 105 232 372	
³ Dumensions ⁴ See AlphaC Typical Star XM290/wogb EdmyRuther 3 batenes 4 batenes 9 batenes 9 batenes 9 batenes 9 batenes	at top of b ell Users (hdby Tim 4A 220 508 701 1091 1091 1091 1095 1096	attery euide for Addi ne in Minut 105 453 625 973 538 538 538 539	tional Detr es @ 25 306 546 803 186 1822	sils 5°C/77°F 64 220 420 444 701 980 1091 144	195 265 390 625 659 938	165 249 346 546 750 853	84 220 220 329 523 720 820 104	125 206 223 405 643 733	185 183 296 407 962 640	10A 220 281 418 677 659 184	105 105 232 372 515 587	
³ Dimensions ⁴ See AlphaC Typical State Not290/vac(3) BattryRuther 3 tations 4 tations 8 tations 8 tations 9 tations 9 tations 9 tations 9 tations 9 tations 9 tations 9 tations	et top of b ett Users (ndby Tim 44 220 508 701 1091 1091 1096 124 220	attery euide for Addi ne in Minut 165 453 453 453 538 538 539	tional Dete es @ 25 105 300 540 105 105 102 105	615 5°C/77°F 6A 220 329 444 701 900 1091 14A 220	195 265 390 625 659 938	165 249 346 548 750 853	84 230 230 523 720 820 164, 220	105 209 203 405 643 733	125 123 256 407 962 640 965	10A 220 281 418 677 659 184 220	105 105 232 372 615 587 106	
³ Dimensions ⁴ See AlphaC Typical Star XM2604002 ExtravyRuntime 3bdenes 4bdenes 8bdenes 9bdenes 3M250Aac(2) BideryRuntime 3bstros	et top of b cell Users (hdby Tim 4A 220 508 701 1091 1091 1099 1096 12A 220 149	attery euide for Addi ne in Minut 195 453 625 973 538 539 196 196	tional Dete es @ 25 300 540 103 106 1222 105 115	5°C/77°F 6A 220 320 444 701 980 1091 1091 1091 119	195 295 390 625 859 978 195 108	165 249 546 548 750 853 165 92	84 220 220 329 523 720 820 164 220 101	195 206 203 405 643 733 195 89	165 163 266 407 962 640 965 77	10A 2,20 186 201 418 677 659 194 220 87	105 105 202 372 615 587 106 78	
³ Dimensions ⁴ See AlphaC Typical Stat XM290/wcg) EntryRuthe 3 bitwes 8 bitwes 9 bitwes 9 bitwes 9 bitwes 8 bitwes 8 bitwes 4 bitwes 4 bitwes 8 bitwes 4 bitw	et top of b leil Users (hdby Tim 44 220 508 701 1041 1487 1886 128 220 148 220 148 220	attery euide for Addi ne in Minut 186 453 625 975 188 539 186 152 187	tional Deta es @ 25 306 566 803 105 105 115 103	895 5°C/77°F 64 220 320 444 701 900 1091 144 220 109 109 109 109 109 109	195 285 390 625 659 978 195 106 151	165 249 346 540 750 863 165 92 132	84 220 220 329 523 720 820 184 220 101 144	196 209 203 405 643 733 733 196 89 128	105 103 258 407 562 640 195 77 112	10A 220 786 281 418 677 659 188 220 87 124	105 105 232 372 615 587 106 78 111	
³ Dimensions ⁴ See Alpheo Typical Star XM2 8049020 BittoyRuthei 3 tallows 4 ballenes 8 ballenes 9 ballenes MX2 8049/Eutrope 8 ballenes	et top of b cell Users (adby Tim 4A 220 508 701 1091 1091 1091 1095 1096 12A 220 149	attery euide for Addi ne in Minut 195 453 625 973 538 539 196 196	tional Dete es @ 25 300 540 103 106 1222 105 115	5°C/77°F 6A 220 320 444 701 980 1091 1091 1091 119	195 295 390 625 859 978 195 108	165 249 546 548 750 853 165 92	84 220 220 329 523 720 820 164 220 101	195 206 203 405 643 733 195 89	165 163 266 407 962 640 965 77	10A 2,20 186 201 418 677 659 194 220 87	105 105 202 372 615 587 106 78	
³ Dimensions ⁴ See AlphaC Typical Star XM2 Stolens 3 Stolens 4 belons 8 belons 8 belons 8 belons 9 belons M2 Stolens 8 belons 8 be	et top of b leil Users (hdby Tim 44 220 508 701 1081 1081 1081 1085 1086 124 220 148 210 539	ettery suide for Addi tee in Minut 105 455 455 455 455 455 105 105 106 106 107 107 201	tional Deta es @ 25 306 546 83 185 185 185 185 185 183 284	sis 5°C/77°F 6A 220 329 444 701 960 960 960 960 1091 144 220 119 109 275	105 285 290 625 859 973 105 108 151 245	105 249 346 548 750 853 105 90 132 214	84 220 220 329 523 720 820 104 220 101 144 238	195 206 293 405 643 733 195 80 128 209	125 103 256 407 562 640 965 77 112 183	10A 220 166 261 418 677 659 18A 220 87 124 204	105 105 232 515 587 196 78 111 182	
³ Dimensions ⁴ See Alpha0 Typical Star Int/2004003 Status/Rutine Status/Rutine Status/Rutine Stations St	at top of b ell Users of dby Tim 4A 220 508 701 1081 1687 1686 128 220 148 230 488 230 478 538	ettery wide for Add te in Minut 105 405 625 978 159 159 159 159 159 159 159 159 159 159	tional Deta es @ 25 300 566 823 105 122 122 125 125 425 419	alis. 5°C/77°F 6A 200 320 444 701 901 164 200 190 160 275 340 64	105 265 269 875 875 875 875 105 108 101 245 341 301	825 286 546 750 853 105 92 132 214 299 342	84 230 239 523 730 820 101 144 230 101 144 239 337 34	195 206 405 643 733 195 80 128 209 293 335	1125 1123 228 407 562 640 77 112 183 256 294	10A 220 196 281 418 677 659 19A 200 87 124 204 204 204 204 203 87 124 204 203 87 124 204 203 87 124 204 204 201 201 201 201 201 201 201 201 201 201	105 105 202 615 687 106 78 101 182 255 203	
³ Dimensions ⁴ See Alphe0 Typical Star 2012 80%acg Bitting Ruthers 3 bittines 8 bittines 9 bittines	et top of b et Users 0 hdby Tim 4A 220 508 701 1001 1087 1086 128 220 148 220 148 230 478 538 478 538	ettery wide for Add te in Minut 105 405 625 833 138 138 138 138 138 138 138 138 138	tional Deta es @ 25 306 566 823 105 1222 105 103 204 287 419	alis. 3°C/77°F 6A 230 444 701 680 1001 144 200 199 169 275 345 440 6A 220	195 285 859 859 185 185 151 245 341 341 341	165 249 546 750 653 105 92 132 214 299 342 165	64 200 200 329 523 720 820 101 144 228 329 377 84 220	196 206 293 405 643 733 185 80 128 209 293 335 205 105	105 103 256 407 562 640 105 77 112 188 256 294 105	10A 200 190 201 418 677 659 18A 220 87 124 204 288 329 10A 220	125 105 232 372 615 587 106 78 111 182 255 203	
³ Demanison ⁴ See Alphot ⁴ See Alphot 30426Wood3 BittopRuthel 3totions 4tabrins 8totions 9to	et top of b ell Users of hdby Tim 44 220 506 701 1091 1091 1091 1091 1091 1091 1095 1096 1206 210 230 478 530 478 530 478 530 478 530 478 530 478	eitery uide for Addi 1026 1027 1027 1027 1027 1027 1027 1027 1027 1027 1027 1026 1027 1026 1027 1027 1026 1027 1	tional Det/ es @ 25 386 585 185 185 185 185 185 185 185 185 284 287 419 105 622	alis. \$*C/77*F 54 223 329 444 701 800 144 220 140 225 340 64 440 64 225 340 64 255 340 64 255 340 64 255 340 64 255 345 255 255 255 255 255 255 255 2	185 286 859 859 185 108 151 245 341 341 341 341	105 249 346 540 750 853 105 92 132 214 299 342 244 299 342	84 230 230 230 523 730 820 101 144 238 337 101 144 239 3377 84 230 3377	196 209 283 485 733 196 89 128 209 293 335 205 106 335	105 108 256 407 562 640 995 77 112 395 294 105 294	10A 200 165 261 415 659 18A 225 18A 243 259 18A 258 329 10A 329 10A 320 330	105 105 232 515 587 106 78 111 182 255 233 195 267	
³ Dimensions ⁴ See AlphaC Typical Star XM250/wage bitmyRuthini 3belinns 8belinns 9belinns 9belinns 9belinns 9belinns 9belinns 9belinns 9belinns 9belinns 9belinns 9belinns 9belinns 9belinns 9belinns	et top of b et Users 0 hdby Tim 4A 220 508 701 1001 1087 1086 128 220 148 220 148 230 478 538 478 538	ettery wide for Add te in Minut 105 405 625 833 138 138 138 138 138 138 138 138 138	tional Deta es @ 25 306 566 823 105 1222 105 103 204 287 419	alis. 3°C/77°F 6A 230 444 701 680 1001 144 200 199 169 275 345 440 6A 220	195 285 859 859 185 185 151 245 341 341 341	165 249 546 750 653 105 92 132 214 299 342 165	64 200 200 329 523 720 820 101 144 228 329 377 84 220	196 206 293 405 643 733 185 80 128 209 293 335 205 105	105 103 256 407 562 640 105 77 112 188 256 294 105	10A 200 190 201 418 677 659 18A 220 87 124 204 288 329 10A 220	125 105 232 372 615 587 106 78 111 182 255 203	
3 Demonstors 4 See Appro. Typical Star 20(24)wog2 Buthy Purches 3 Johns 2 John	at top of b effl Users (bdby Tim 44, 220 500 500 701 1091 1091 1091 1091 1095 220 448 230 448 230 448 238 448 238 448 238 200 709 1091 1091 2288	attery wide for Addi te in Minut 105 403 005 105 105 105 105 105 105 105	tional Detri es @ 25 396 83 116 122 105 105 105 105 419 105 622 453 1125 105	alis \$*C/77* F 20 20 20 20 20 444 701 001 101 105 205 385 40 200 105 105 205 40 105 205 105 105 205 405 105 105 105 105 105 105 105 1	105 205 200 075 105 103 151 245 341 301 195 453 453 453 625 078	185 249 346 546 546 546 853 105 24 132 24 24 24 24 342 342 342 342 345 548 548 548 548 548	84 220 220 523 523 523 720 220 104 220 104 220 327 820 327 820 327 820 327 820 820 820 820 820 820 820 820 820 820	125 236 293 46 643 733 195 89 203 203 203 203 203 203 203 203 203 203	105 103 256 407 562 640 1955 77 112 185 294 105 294 407 540 877	10A 220 106 201 418 677 659 100A 220 87 100A 220 87 104 204 283 204 203 300 410 699 904	105 105 202 372 515 587 106 78 106 78 106 78 255 293 255 293 255 293 257 372 257 372 587 809	
³ Demandans ⁴ See Alphan ⁴ See Alphan 2012/Wang Bittiny Purches 3 Johns 10	at top of b effl Users (1000	uttery uide for Addi te in Minut 105 453 453 453 453 156 156 150	tional Detri es @ 25 300 540 543 105 103 254 105 103 254 419 106 622 63 1322	alis. \$*C/77* F 64 223 220 440 701 164 201 164 201 166 219 169 255 385 440 64 227 508 508 109 109 109 109 109 109 109 109	195 285 200 025 059 078 105 105 105 105 105 105 245 341 341 341 341 341 341 341 341 341 341	105 249 346 548 750 863 105 92 132 214 299 342 244 299 342 244 299 342 546 395 546 853	84 230 230 230 233 233 233 230 101 104 230 230 377 84 220 377 84 220 377 84 220 377 84 220 377 84 220 377 84 220 85 85 85 85 85 85 85 85 85 85 85 85 85	126 206 293 405 643 733 195 80 128 80 128 209 293 335 209 293 335 186 205 405 733	125 163 256 407 562 640 77 172 183 256 294 294 204 204 407 540	10A 220 106 201 108 418 677 124 202 124 203 300 416 416 203 300 416 69 904 410 201 300 410 410 201 300 410 201 201 201 201 201 201 201 201 201 2	105 105 232 372 515 587 1186 78 111 182 255 203 106 267 372 517	
³ Demandans ⁴ See Alphot ⁴ See Alphot ³	at top of b effl Users (bdby Tim 44, 220 500 500 701 1091 1091 1091 1091 1095 220 448 230 448 230 448 238 448 238 448 238 200 709 1091 1091 2288	ettery vice for Addi te in Minut 105 453 625 873 106 105 105 107 419 479 479 479 479 500 2067 2065	tional Detri es @ 25 396 83 116 122 105 105 105 105 419 105 622 453 1125 105	alis \$*C/77*F 203 203 444 203 203 404 203 109 109 109 109 109 109 109 109	105 205 200 075 105 108 151 245 341 301 198 453 453 453 625 078	185 249 346 546 546 546 853 105 24 132 24 24 24 24 342 342 342 342 345 548 548 548 548 548	84 220 226 523 720 820 164 220 164 220 101 144 236 327 820 377 820 377 820 377 820 1122 122 122 122 122 122 123	125 236 293 46 643 733 195 89 203 203 203 203 203 203 203 203 203 203	105 103 256 407 562 640 1955 77 112 185 294 105 294 407 540 877	10A 220 106 201 418 677 659 100A 220 87 100A 220 87 104 204 283 204 203 300 410 699 904	105 105 202 372 515 587 106 78 106 78 106 78 255 293 255 293 255 293 257 372 257 372 587 809	
3 Demandans 4 See Alphon 7 Special Star 2012 Storagy Buthy Purches 3 Johnson 9 Johnson 8 Johnson 9 Johnson 8 Johnson 9 Joh	at top 0 b 1 adby Tim 4 200 500 500 701 1001 1007 1	ettery vice for Addi te in Minut 105 403 005 105 105 205 105 105 205 105 105 205 105 105 205	tional Detet es @ 22 165 566 623 105 105 105 105 409 409 105 102 663 102 663 102 105 108 108	alis \$*C/77*F 200 201 201 201 201 201 201 201	185 286 285 855 855 855 855 855 855 168 151 245 341 341 341 341 341 355 559 109 114	105 249 346 546 750 85 105 105 105 306 548 853 1105 548 1151	94 230 339 533 730 830 830 164 220 101 144 238 327 101 144 238 327 377 83 377 84 230 377 533 377 533 177 533 172 317 533 172 317 533 172 317 533 172 533 172 533 172 533 172 535 172 535 172 535 172 535 172 535 172 535 172 535 172 535 172 172 172 172 172 172 172 172 172 172	195 206 2405 643 733 186 80 128 203 245 335 245 465 235 465 235 465 235 465 245 445	105 108 206 407 562 640 77 102 108 204 204 204 204 204 407 840 840 840 840 840 840 840 840 840 840	10A 220 166 261 418 418 459 202 87 12A 204 220 87 12A 204 233 300 416 459 004 459 004 220 10A	105 202 515 567 106 78 106 78 106 78 106 255 255 257 372 567 372 567 809 921 106 123	
³ Dimensions ⁴ See Alphot ⁴ See Alphot ⁴ See Alphot ³	at bog of b d dby Tim 44 200 701 1037 1038 1039	ettery vice for Addi te in Minut 105 405 405 405 108 108 108 108 108 108 108 108	tional Detettional Detettion 195 300 546 833 195 195 195 195 195 195 195 195	alis \$*C/77*F 200 200 200 200 200 200 200 1001 200 200	105 266 265 859 105 105 101 101 101 101 101 101 101 101	825 249 346 546 750 853 105 1122 1132 214 299 342 105 545 853 8105 1132 214	84 220 239 525 525 720 220 101 144 523 523 523 523 820 377 523 820 1122 122 122 523 820 1122 122 523 820 1122 122 523 820 122 820 124 84 84 84 84 84 84 84 84 84 84 84 84 84	196 209 248 446 645 733 196 80 128 80 128 209 209 209 209 209 203 209 203 209 203 209 203 128 135 145 105 145 145 145 145 145 145 145 145 145 14	105 103 250 407 562 640 77 102 195 294 407 840 294 407 847 847 847 847 847 847 847 847 847 84	10A 220 105 201 418 675 10A 87 124 283 887 124 283 300 410 410 410 410 410 904 127 904 220 904 220 904 220	105 105 202 302 615 687 106 78 111 182 203 106 207 372 203 207 372 203 207 372 203 207 372 203 207 372 203 207 106 207 207 207 207 207 207 207 207 207 207	
³ Demandans ⁴ See Alphan ⁴ See Alphan 2005 Alpha	at bog of a Users (* 1 hdby Tim 4,4 2,0 5,00 5,00 7,01 1,99	ettery: vice for Addi te in Minut 105 403 403 403 106 108 109 106 107 107 106 107 106 107 106 107 106 107 107 106 107 107 107 107 107 107 107 107	tional Detettional Detettion 300 546 300 546 300 546 300 546 300 105 105 105 202 105 105 202 105 105 105 105 105 105 105 105	alis. \$*C/77* F 64 223 223 440 100 100 100 100 100 100 100	185 285 295 893 185 185 185 341 341 341 341 341 341 341 245 341 341 245 341 25 25 90 8 80 8 90 8 90 90 90 90 90 90 90 90 90 90 90 90 90	105 240 540 550 105 105 105 229 342 249 342 249 342 249 342 249 342 249 342 249 342 249 342 249 342 249 340 305 105 105 105 105 105 105 105 105 105 1	84 220 200 523 720 104 220 104 220 104 220 377 84 220 377 84 220 377 84 220 377 105 233 800 1127 3106 2377	195 206 240 643 733 195 89 128 203 293 335 355 106 335 733 106 3455 455 733 105 146 203 205 335	105 103 296 407 562 562 566 77 102 188 294 294 294 294 294 294 294 294 294 294	10A 220 198 201 198 418 577 769 198 200 198 201 198 201 198 201 198 201 198 201 198 201 198 201 198 201 198 201 198 201 198 201 198 201 201 201 201 201 201 201 201 201 201	105 105 202 57 565 587 105 78 105 255 267 253 267 253 267 253 267 253 267 253 267 267 263 267 272 253 269 261 272 253 265 265 265 265 265 265 265 265 265 265	
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2	REV:	DATE/BY:	REVISION DESCRIPTION:
	1	03/15/2013 FXC	REVIEW ISSUED FOR
	2	04/25/2013 FXC	FINAL ISSUED FOR
	3	11/06/2013 FXC	FINAL ISSUED FOR
		02/18/2014 FXC	FINAL ISSUED FOR
	4	03/08/2014 ENGI	FINAL
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		CONSULT	ESIGN GROUP, LLC
	204		VAY SOUTH, LAKE FOREST, CA 92630 OFFICE - (949) 753-8833 FAX
			CLIENT:
			CROWN CASTLE
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			NG WEST, INC.
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		(ADJACENT SANTA E	T TO 2165 VELOZ DR) BARBARA, CA 93108
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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 ENGINEERING 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 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 control of shall be responsible for solvet monowents and/or vertical control benchmarks which are instructed to destroyed by construction. A LAND SUPPORT MUST FIELD CARE, 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 SUPPEYORS A CORNER RECORD OR RECORD OF SUPPEY, SA SPORPARTE, SHALL BE FIELD AS REQUIRED BY THE PROFESSIONAL LAND SUPPEYORS ACT. IF ANY VERTICAL CONTROL IS TO BE DISTURED 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 DESTROYED BY THE CONSTRUCTION.

5. IMPORTANT NOTICE: SECTION 4216 OF THE COVERNMENT 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 DAYS BEFORE YOU DIG.

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 CONSTRUCTION.

9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMDRAIN MAIN INCLUDING ALL CROSSINGS.

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 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 PROCEAM 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 STUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION

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.

1. 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 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, 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 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.

9. 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



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



VICINITY MAP - N.T.S.

ELEVATION REF. -E ELECT. CONDUIT (x)SECTION REF. --- PROP./LEASE LINE MYERS PEDESTAL D — MATCH LINE VAULT STANDARD 2'X3' — WORK POINT STEEL POLE - T - TELE, CONDUIT - - CENTERLINE SYMBOLS, LINETYPES AND HATCH PATTERNS

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 ACTIVITY.

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.

OR UNFORESEEN CIRCUMSTANCES. WHICH MAY ARISE.

HAZARDOUS CONDITION.

OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

WORKING DAY WHEN RAIN IS IMMINENT.

FROSION/SEDIMENT CONTROL MEASURES.

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 ROAD OR ALLEY CLOSURE

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

PROJECT DICTIONARY

SITE ADDRESS:

APPLICANT:

CIVIL ENGINEER:

		CONSTRUCTION CHANGE TABLE
CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS

APPLICABLE CODES	PROJECT DESCRIPTIO
ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:	PROJECT CONSISTS OF INSTALLATION OF:
*2010 CALIFORNIA BUILDING CODE *2010 CALIFORNIA MECHANICAL CODE	1. (2) OMNI ANTENNAS ON EXISTING UTILITY POLE
*2010 CALIFORNIA PLUMBING CODE *2010 CALIFORNIA ELECTRICAL CODE	2. EQUIPMENT PEDESTAL W/ BBU, AND ELECTRICAL METER AT POLE
IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL	3 PROPOSED SHROLD W/ ION ON EXISTING LITULTY POLE

☆ LIGHT POLE

O FOUNDATION

A SET POINT

 $\begin{pmatrix} x \\ x-x \end{pmatrix}$ DETAIL REF.

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SPOT ELEV.

GROUND BUS BAR

CADWELD

EXISTING SERV SIDEWALK FLA

ELECTRIC BOX

TELEPHONE BOX

SIDEWALK FLAG

EXISTING SERVICE POLE

Ε

T

MECH. GRND. CONN

3. PROPOSED SHROUD W/ ION ON EXISTING UTILITY POLE

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

D-3 - SHEET 8 OF 8

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

THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS

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

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

R.O.W. EAST SIDE OF ROMERO CANYON RD. (ADJACENT TO 1000 ROMERO CANYON RD) 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

CONNELL DESIGN GROUP, LLC 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 03/15/2013	ISSUED FOR REVIEW
1	FXC 03/25/2013	ISSUED FOR FINAL
2	FXC 11/05/2013	ISSUED FOR FINAL
3	FXC 03/08/2014	ISSUED FOR FINAL

ENGINEER / CONSULTANT:

Civil Engineer



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

CLIENT:

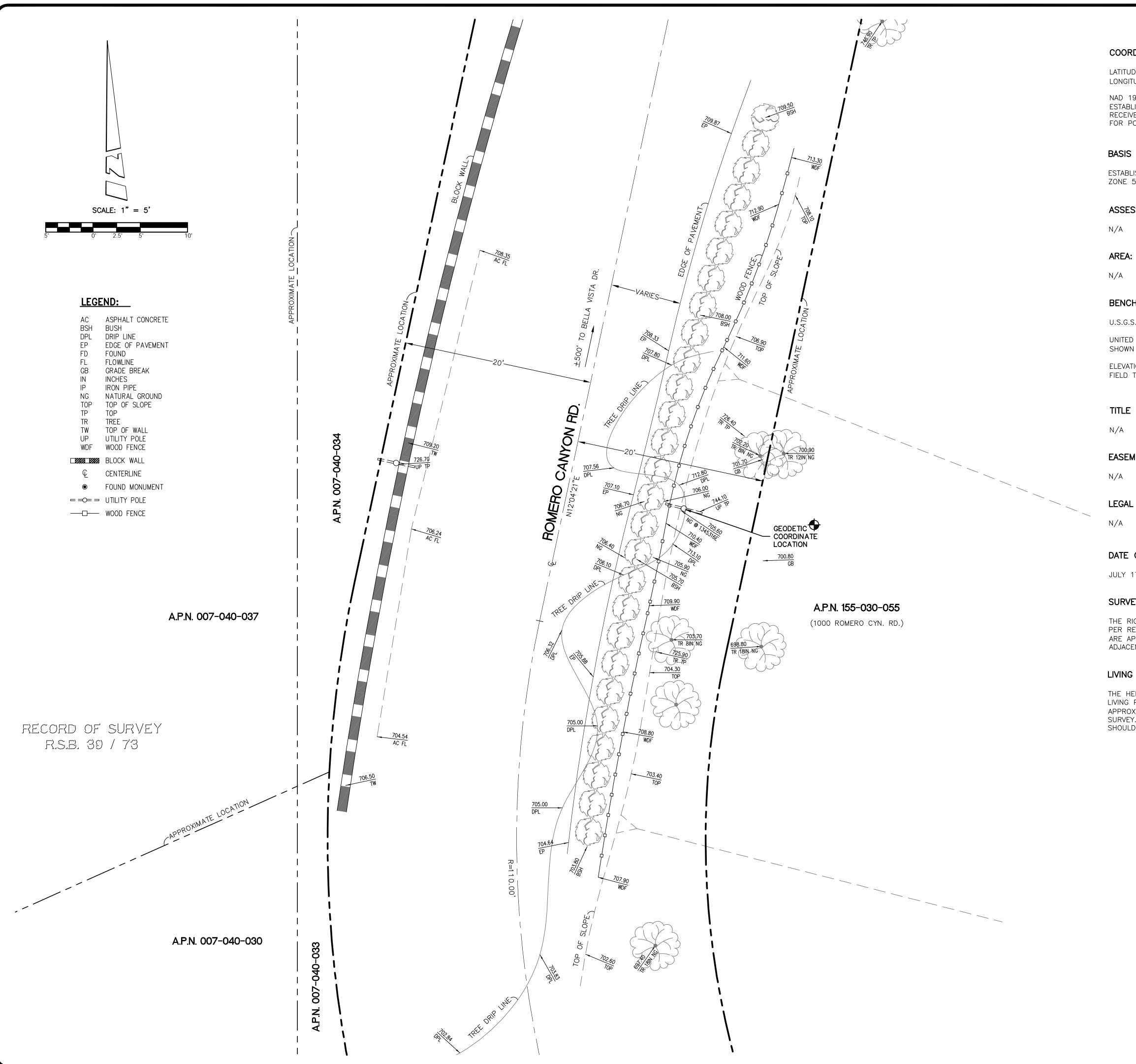


STAMP:

SITE INFO: SITE NAME: 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 DRAWING INFO:

DRAWN BY: FC

SHEET NUMBER:



COORDINATES: 🔶

LATITUDE 34°26'54.99" N LONGITUDE 119°35'32.18" 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:

ESTABLISHED BY G.P.S. OBSERVATIONS AND PROCESSED TO CALIFORNIA ZONE 5, NORTH AMERICAN DATUM OF 1983.

ASSESSOR'S IDENTIFICATION:

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BENCH MARK REFERENCE:

U.S.G.S. BENCH MARK "BM 750"

UNITED STATES GEOLOGICAL SURVEY BENCH MARK "BM 750" AS SHOWN ON THE "CARPINTERIA" 7.5 MINUTE QUADRANGLE MAP.

ELEVATION: 752.5 FEET A.M.S.L. (NAVD88) (DATUM VERIFIED IN FIELD TO BE WITHIN 1—A ACCURACY STANDARDS)

TITLE REPORT IDENTIFICATION:

EASEMENT NOTES:

LEGAL DESCRIPTION:

DATE OF SURVEY:

JULY 17, 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.

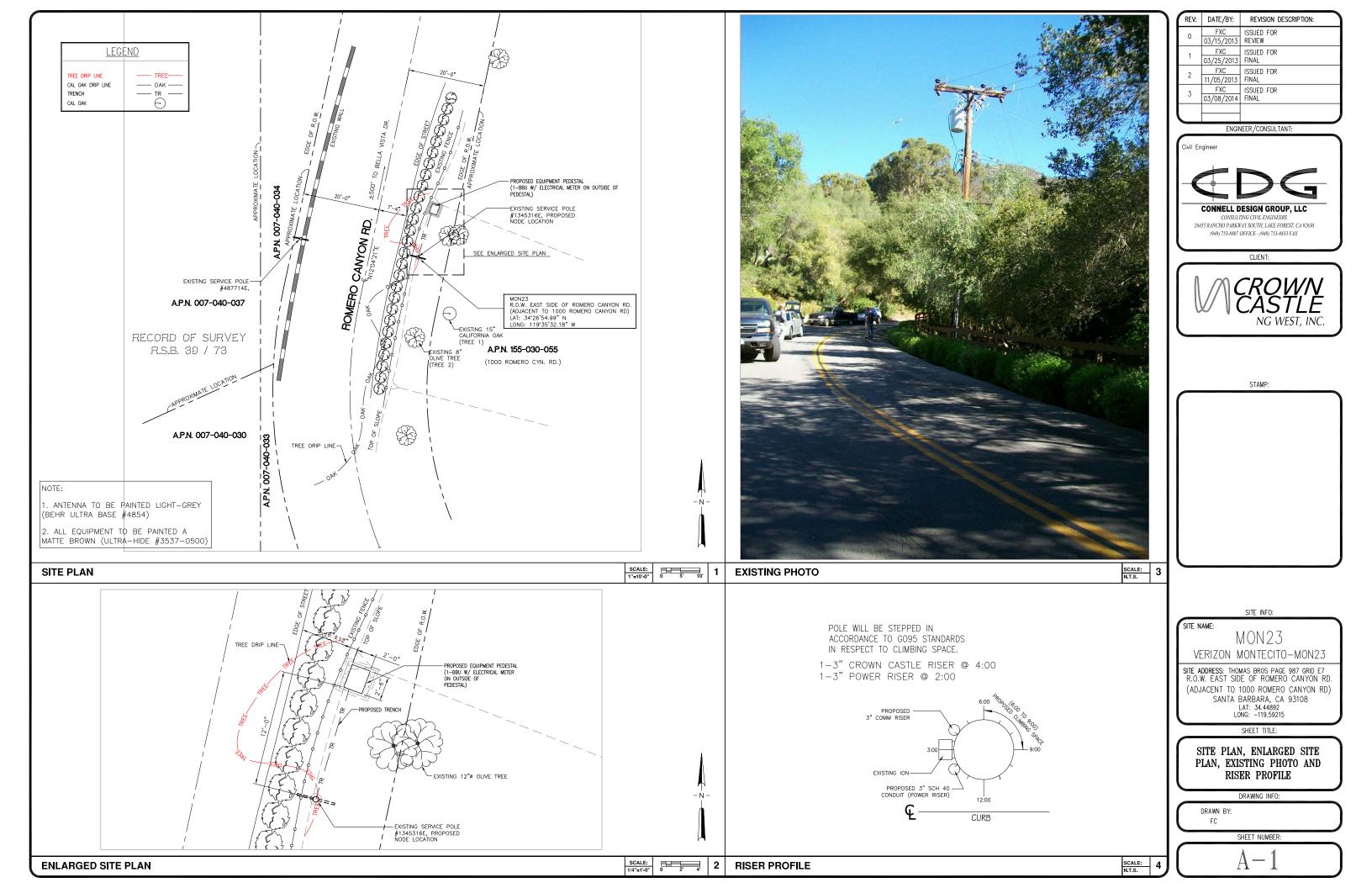
LIVING PLANTS STATEMENT:

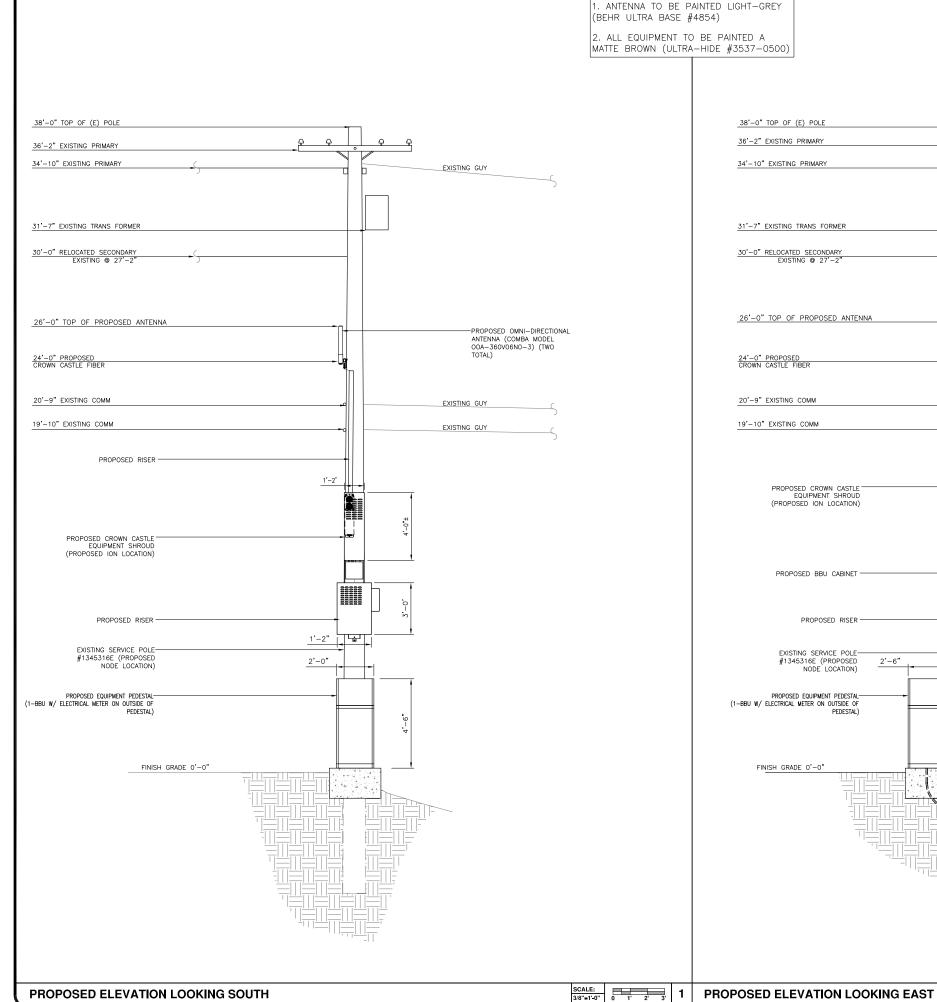
THE HEIGHTS AND ELEVATIONS FOR THE TREES, BUSHES AND OTHER LIVING PLANTS SHOWN HEREON, SHOULD BE CONSIDERED APPROXIMATE (+/-) AND ONLY VALID FOR THE DATE OF THIS SURVEY. THEY ARE PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.

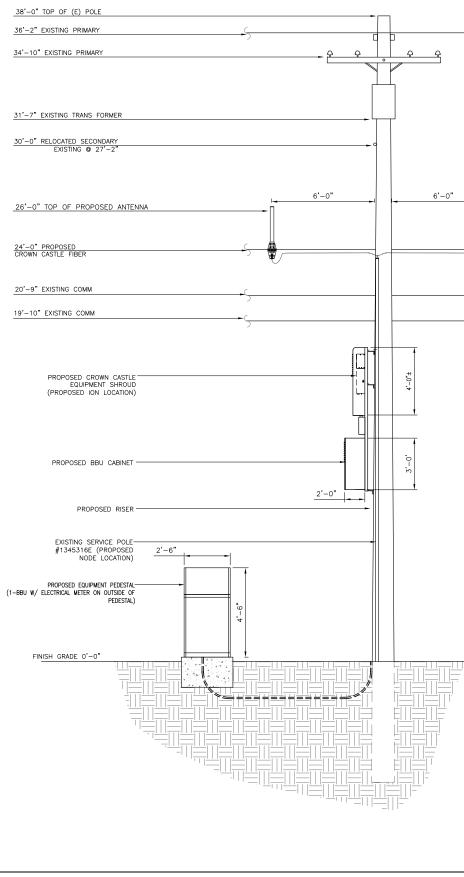
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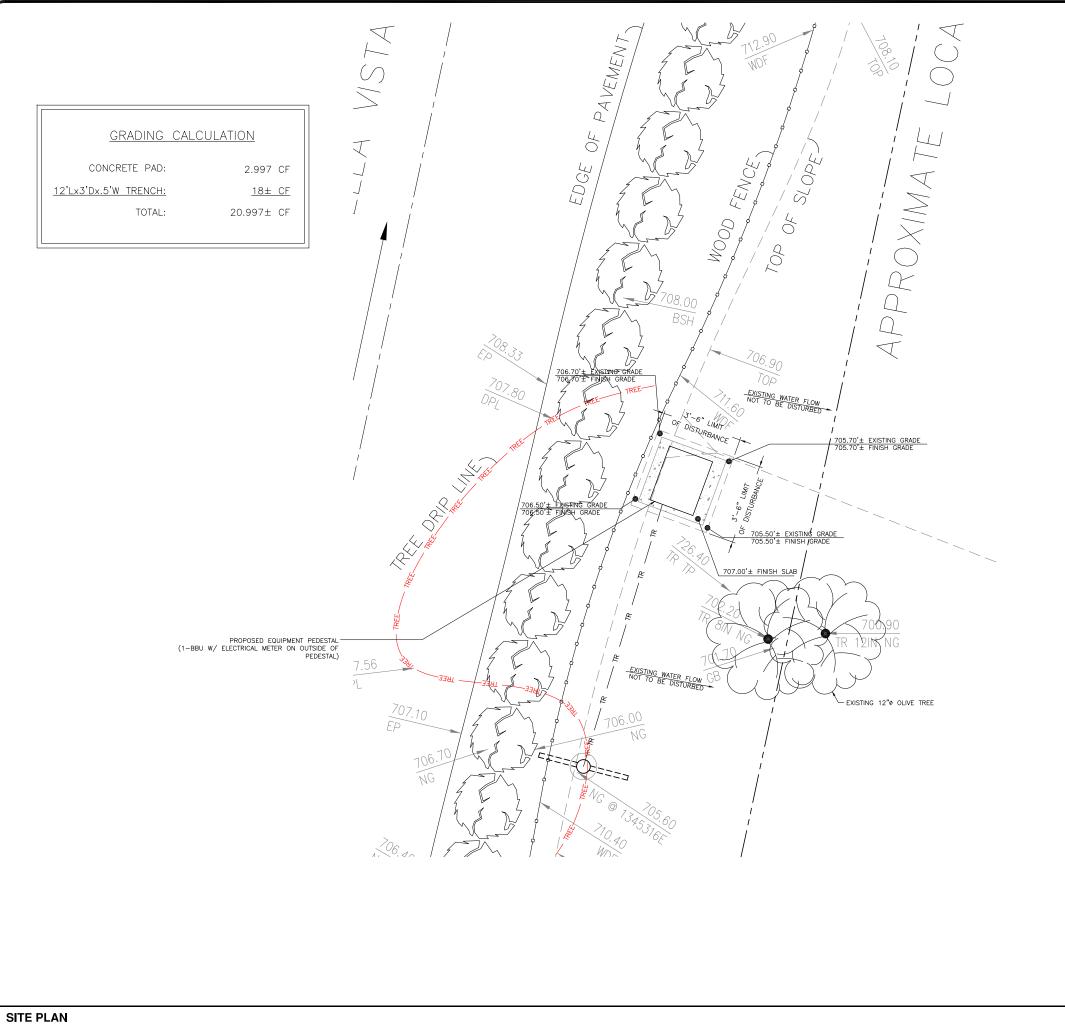




2. ALL EQUIPMENT TO BE PAINTED A MATTE BROWN (ULTRA-HIDE #3537-0500)

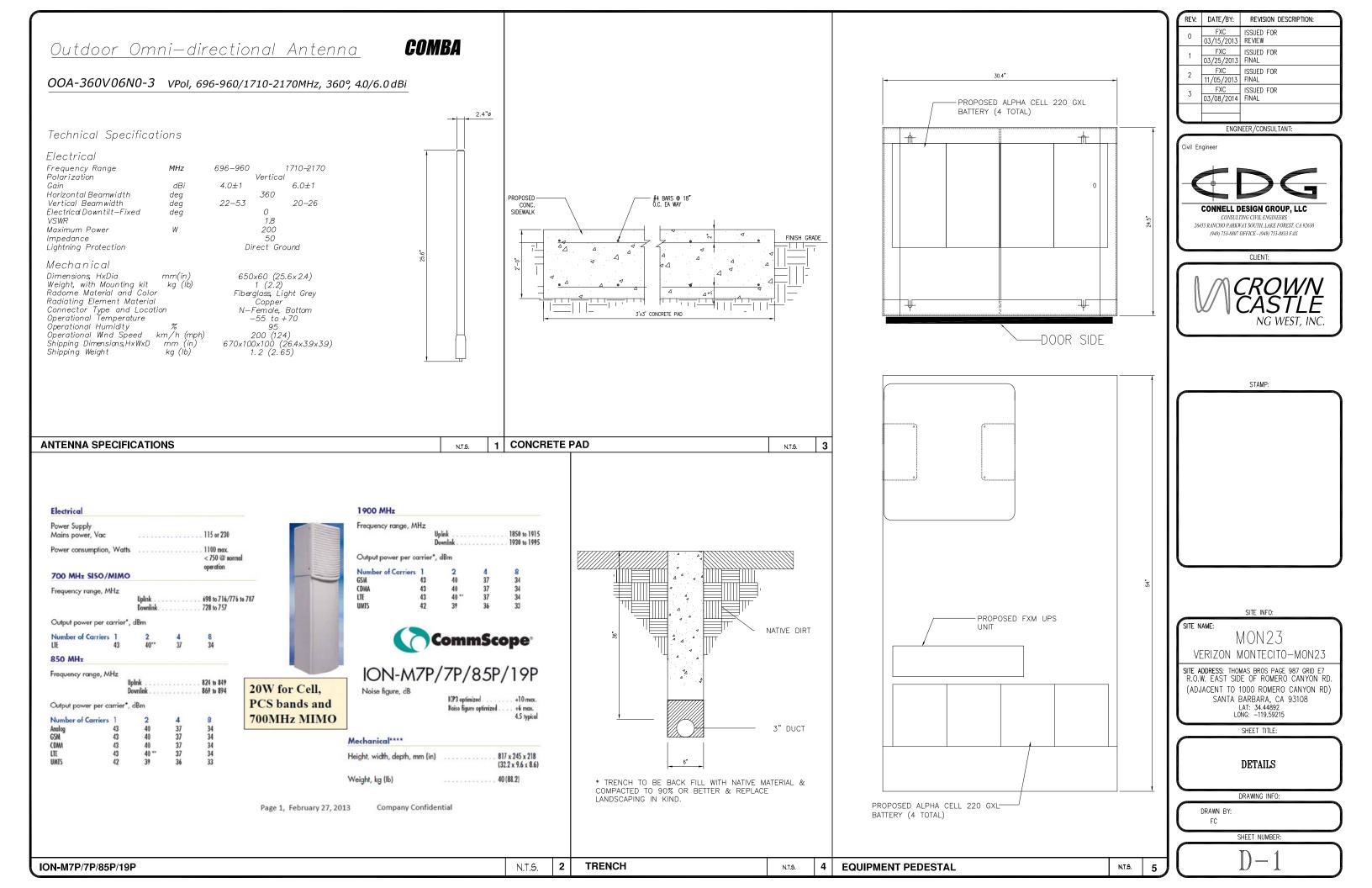
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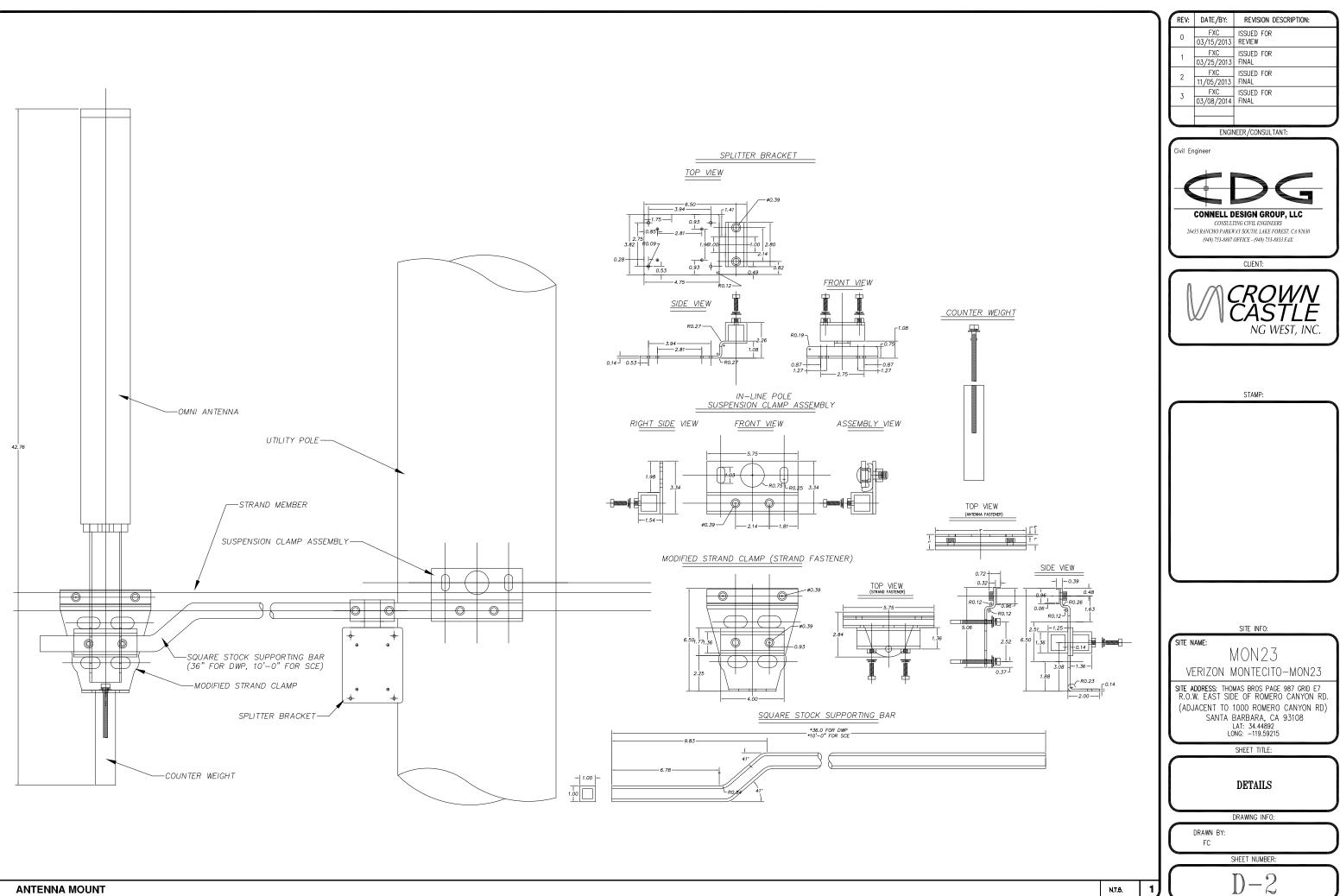
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	CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS
	26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX
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F<u>ront view</u> <u>SIDE VIEW</u> ASSEMBLY (WITH COVER REMOVED) -14.00--8.68--5.75 2.17 - STAND OFF BRACKETS (QUANTITY OF 2) ⇉ ۲ ۲ 뭼 3.25 \square \square \square \square \square \square \frown \square \square \square \square \square \square \square \square \square \square \square \square \square SHROUD BACK PLATE- \square \square \square SHROUD BACK PLATE -ZEUS CLIP -SHROUD BACK PLATE ZEUS - ZEUS SHROUD COVER SHROUD COVE 47.34 **CONTRACTOR SUPPLIED (NOT INCLUDED WITH KIT)** 5/8" X POLE DIA. GALVANIZED LINE HARDWARE BOLT WASHER AND FASTENER. ANGLED STIFFENERS ⇉ ONNECTOR BOX ۲ ANDREWS ION 3'-0" GROUND CORD ۲ ٢ ıđ 0 B**ijam** CONNECTOR B ANDREWS ION POWER CORD (ZIP TIED) ⇒ E | 🏟 ₿ вÞ SHROUD CONNECT B • SHROUD CONNECTOR ╺╘┿ 3.25 (1) CONNECTOR BOX- \square POLE ATTACHMENT SPACERS -2.50--0.50 STAND OFF BRACKETS 1.00 Φ Φ R0.24- -3.50--7.50-5.00 -0.20 -1.75 1.00 0 75 Ð -0.50 ─Ø0.46 5.00 2.46 -1.50 . 143° 3.25 **G** 1.75 0.91 \bowtie

AlphaCell General Specifications Model: 220 GXI 195 GXL 165 GXL 20 GAL 4 to 5 year full replacement Extended 220 Valve regulated lead acid Extreme Low Threaded insert 1/4" - 20 UNC 4 to 5 year full replace Extended 165 Valve regu Extreme Low Threaded 1/4" - 20 U 4 to 5 year full replacement Extended 195 Warranty': Service Life: Runtime (minutes)²: Sealed VRLA: Heat Resistant: 195 Valve regulated lead ac Extreme Low Threaded insert 1/4" - 20 UNC Hydrogen Emission: Terminals: Specifications4 Model: 220 GXL 195 GXL 165 GXL Model: Typical Runtime (minutes)*: Cells Per Unit: Voltage Per Unit: Conductance Value: Max. Discharge Current (A): Short Circuit Current (A): 10 Second Volts (§ 100A: Ohms (Imgedance 60Hz; Nominal Capacity at 20hrs: (to 1.75VPC) Nominal Capacity at 20hrs: (to 1.75VPC) BCI Group Size: Weight (Ib/Ra): Height w/ Terminals (in/mn): Weth (in/mn)*: Depth (in/mn)*: Depth (in/mn)*: Depth (in/mn)*: Depth (in/mn)*: Depth (in/mn)*: Depth (in/mn)*: Conductance (in/max): Conductance (in/max): Depth (in/mn)*: Conductance (in/max): Co 220 GAL 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 6.60/172.7 195 GAL 195 6 12.8 1100 2800 2800 11.3 0.0050 100Ah 102Ah 31 67/30.5 8.48/215.4 13.42/340.9 6.60/172.7 165 6 12.8 1000 800 2500 11.2 0.0055 86 87 27 63/28.6 8.05/204, 12.6/317, 6.83/173. Operating Temperature Range Discharge: -40 to 71°C (-40 to 160°F) -23 to 60°C (-42 to 160°F) (-42 to 160°F) (-42 to 160°F) (-42 to 140°F) (-53 to 153 0.5% RMS or 1.5% of float charge voltage reco -40 to 71 (-40 to 16 -23 to 60 (-9.4 to 1 13.5 to 1 Charge (with temp compensation): Float Charging Voltage (Vdc): AC Ripple Charger: ded for bes en used with Alpha approved Power Supplies, Chargers and En Viewaraansy values by country and region. Warhinfy Valid only v Runtimes calculated using a 25A DC constant current load. Dimensions at top of bottory. 4 See AlphaCell Users Guide for Additional Details. Typical Standby Time in Minutes @ 25°C/77°F M290V80(2) 4A 508 701 1091 1487 1686 306 546 853 320 444 701 285 390 625 249 346 546 750 853 230 329 523 720 4 balteries Stellous 993 960 1091 8 balleres. 1538 1539 1166 1822 859 643 9bdenes: 220 79.9 3M2904x19 119 169 275 385 440 106 151 3 batteries 149 210 115 163 264 367 92 101 4 batteries 132 214 299 342 144 236 329 377 128 6 bateries 8 bateries 330 478 538 245 341 301 301 419 209 293 9 batteries. 419 479 335 204 AMO BOMM 622 655 1322 1758 2007 395 546 853 1105 1322 3 batteries: 4 batteries: 798 1091 1886 2288 2590 712 978 1519 2067 2345 506 701 453 625 978 1338 109 377 523 294 407 640 877 997 335 465 6 batteries 8 batteries 9 betteries 1001 820 1122 733 1005 1487 1086 NM260Nacigg BatteryRuntery 242 339 538 741 188 264 419 577 196 275 440 607 174 245 391 541 617 108 238 377 523 148 209 335 215 301 479 151 214 340 470 538 125 182 290 402 4batteries 6batteries 8battenes 660 Gbatteries: 843 753 658 602 *Above calculations based on an ACloadiwith a 90 cable plant power factor For contact information visit www.alpha.com The Alpha Group > North America Europe, Middle East & Africa Canada Tel +1 604 430 1475 Fax: +1 604 430 8308 Toli Free: +1 830 667 8243 Cyprus Tel +357.25 375 675 Fax + 357 52 359 595 Germany Lithuania Tet: +49.9122.79889.0 Tet: +370.6.210.6291 Fax: +49.9122.79889.21 Fax: +370.6.210.6292 USA Tet: +1 360 647 2360 Fait: +1 360 671 4936 Russia Tei +7.495.925.9844 Fax: +7.495.916.1349 United Kingdom Tet: +44 1279 501110 Fizx: +44 1279 659870 Alpha Technologies reserves the right to make changes to the products and information contained in this document without notice Copyrights 2009 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademask of Alpha Technologies.

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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 ENGINEERING 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 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 DISTORBED 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 LIND SURVEYOR, A CORNER RECORD OR 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 DESTROYED BY THE CONSTRUCTION.

5. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "REPAIRT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE YOU DIG.

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 CONSTRUCTION.

9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMDRAIN MAIN INCLUDING ALL CROSSINGS.

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 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 PROCEAM 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 POLLUTION

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.

1. 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 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, 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 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.

9. 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.

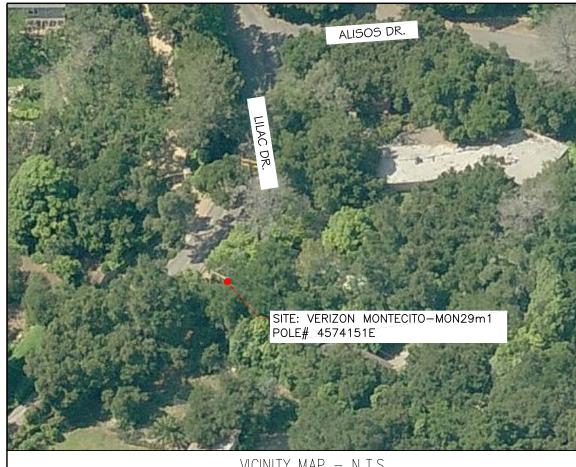
11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE POTHOLE AND LOCATING OF ALL EXISTING UTILITIES THAT CROSS THE PROPOSED TRENCH LINE AND MUST MAINTAIN 1' MINIMUM VERTICAL CLEARANCE.

12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT



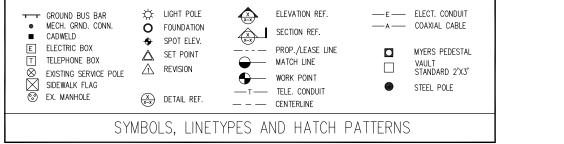
CROWN CASTLE NG WEST, INC

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



VICINITY MAP - N.T.S.

ROAD OR ALLEY CLOSURE ASPHALT CUT



			APPLICANT:	CR 212 LA
	SHEET	INDEX:		CO
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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 ACTIVITY.

5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.

EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL

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.

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.

WORKING DAY WHEN RAIN IS IMMINENT.

EROSION/SEDIMENT CONTROL MEASURES.

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

DIRT TRENCH PUNCH THRU BORE TOTAL R&R SWF TOTA

PROJECT DICTIONARY

SITE ADDRESS:

ROWN CASTLE NG WEST, INC 125 WRIGHT AVE, SUITE #C9 A VERNE. CA 91750 ONTACT: HEIDI PAYNE HONE: (949) 300-9493 CONNELL DESIGN GROUP, LLC AKE FOREST, CA 92630

		CONSTRUCTION CHANGE TABLE
CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS

CONCEDUCTION CHANCE TADLE

PRO

PROJECT CONSIST

1. (2) OMNI DIRE

2. EQUIPMENT VA

3. EQUIPMENT PE

POLE

APPLICABLE CODES

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

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

*2010 CALIFORNIA BUILDING CODE *2010 CALIFORNIA MECHANICAL CODE *2010 CALIFORNIA PLUMBING CODE *2010 CALIFORNIA ELECTRICAL CODE

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

6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.

TIMES DURING THE RAINY SEASON, ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY

10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A

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

FOOTAGE TOTALS	
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R.O.W. SOUTH SIDE OF ALISOS DR (ADJACENT TO 2091 ALISOS DR) SANTA BARBARA, CA 93108

6455 RANCHO PARKWAY SOUTH ONTACT: FRANK CARTER 949) 310-8233 PHONE 949) 753-8833 FAX

REV:	DATE/BY:	REVISION DESCRIPTION:
0	FXC 09/02/2013	ISSUED FOR REVIEW
1	FXC 11/06/2013	ISSUED FOR REVIEW
2	FXC 03/08/2013	ISSUED FOR FINAL

ENGINEER /CONSULTANT

Civil Engineer



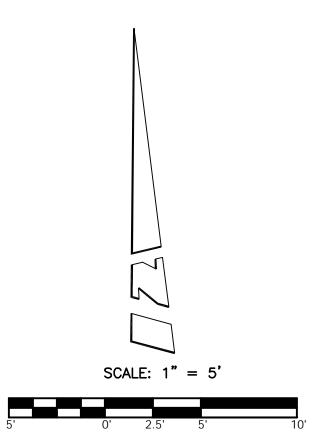
26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

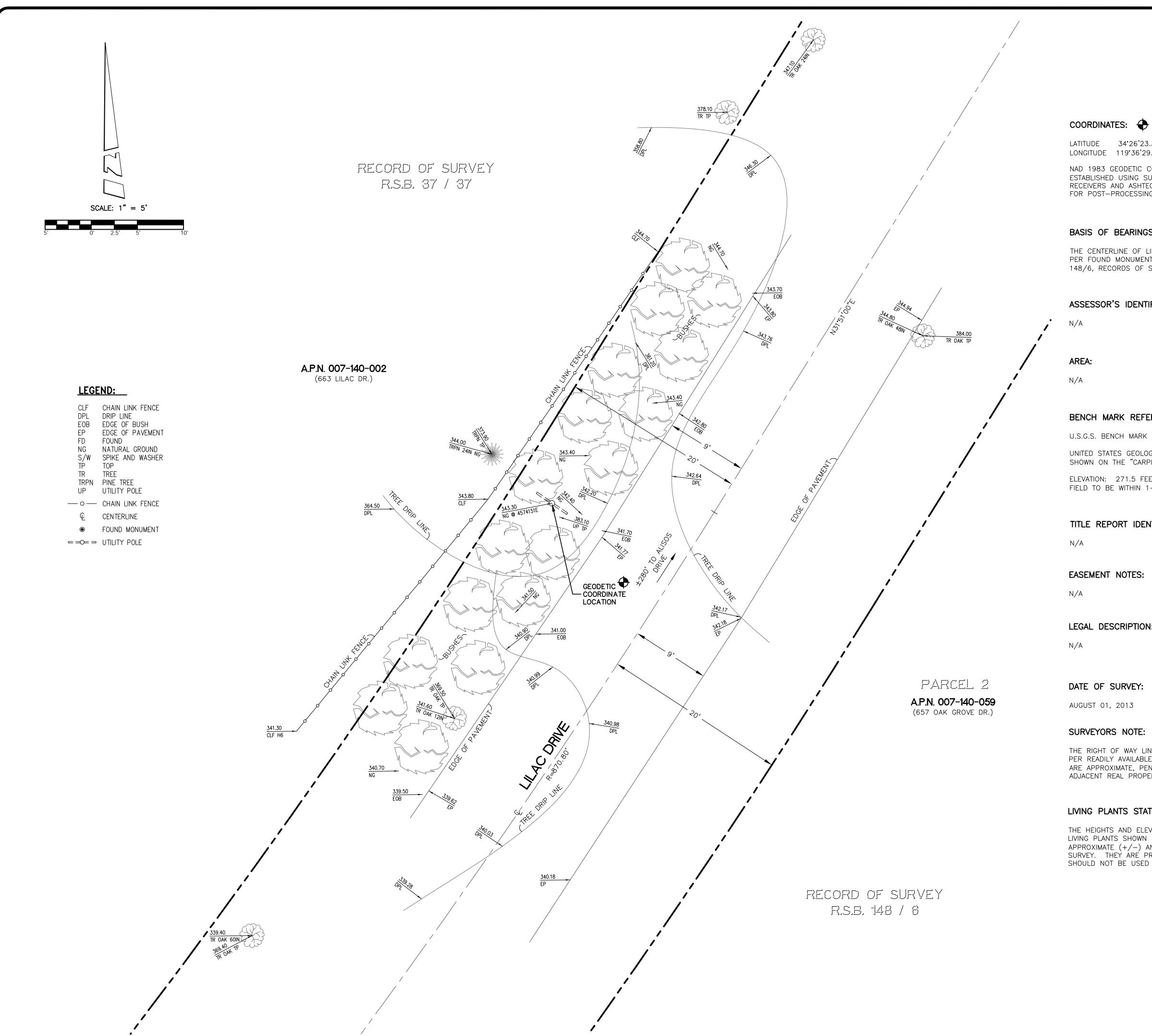
CLIENT:



STAMP:

SITE INFO: SITE NAME: 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 SHEET TITLE: TITLE SHEET DRAWING INFO: DRAWN BY: FC SHEET NUMBER:





LATITUDE 34°26'23.39" N LONGITUDE 119°36'29.87" 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 LILAC DRIVE BEING NORTH 31.51'00" EAST PER FOUND MONUMENTS ON RECORD OF SURVEY, R.S.B. 148/6, RECORDS OF SANTA BARBARA COUNTY.

ASSESSOR'S IDENTIFICATION:

BENCH MARK REFERENCE:

U.S.G.S. BENCH MARK "BM 269"

UNITED STATES GEOLOGICAL SURVEY BENCH MARK "BM 269" AS SHOWN ON THE "CARPINTERIA" 7.5 MINUTE QUADRANGLE MAP.

ELEVATION: 271.5 FEET A.M.S.L. (NAVD88) (DATUM VERIFIED IN FIELD TO BE WITHIN 1-A ACCURACY STANDARDS)

TITLE REPORT IDENTIFICATION:

EASEMENT NOTES:

LEGAL DESCRIPTION:

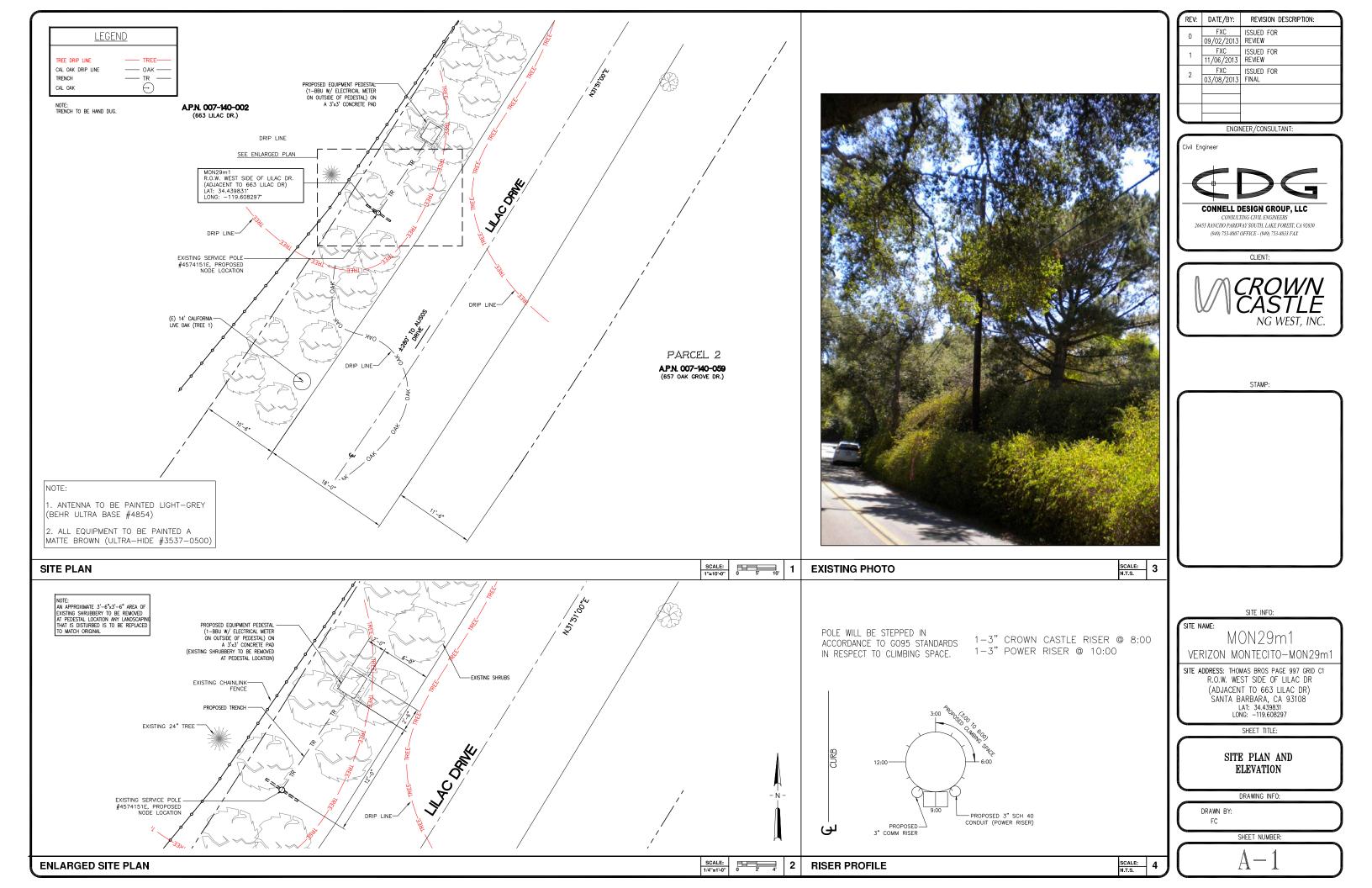
SURVEYORS NOTE:

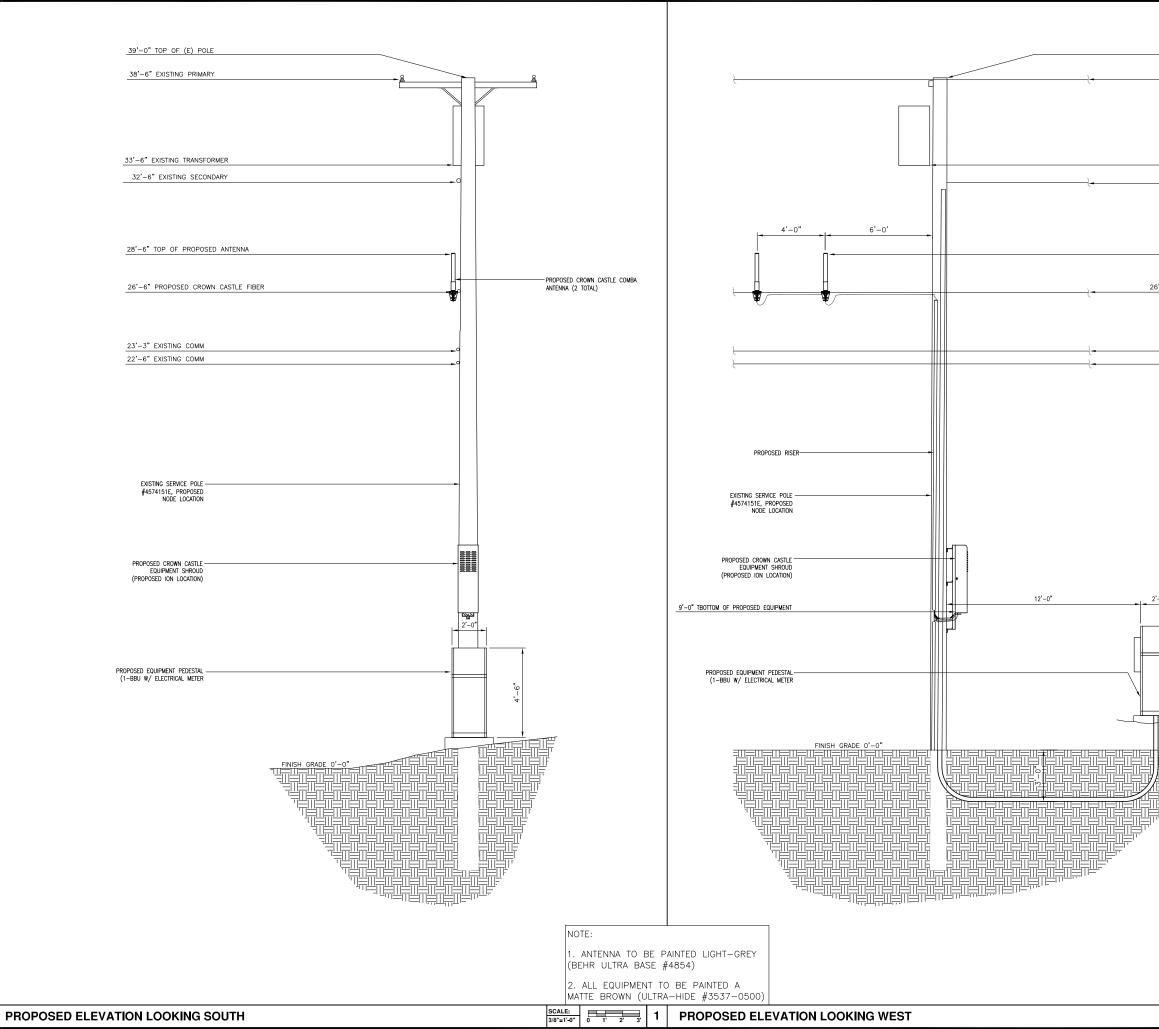
THE RIGHT OF WAY LINES AND THEIR DIMENSIONS SHOWN HEREON ARE PER READILY AVAILABLE RECORDED INFORMATION AND THEIR LOCATIONS ARE APPROXIMATE, PENDING RECEIPT OF TITLE REPORT(S) FOR THE ADJACENT REAL PROPERTY.

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 ÁRÉ PROVIDED AS A GENERAL REFERENCE AND SHOULD NOT BE USED FOR DESIGN PURPOSES.

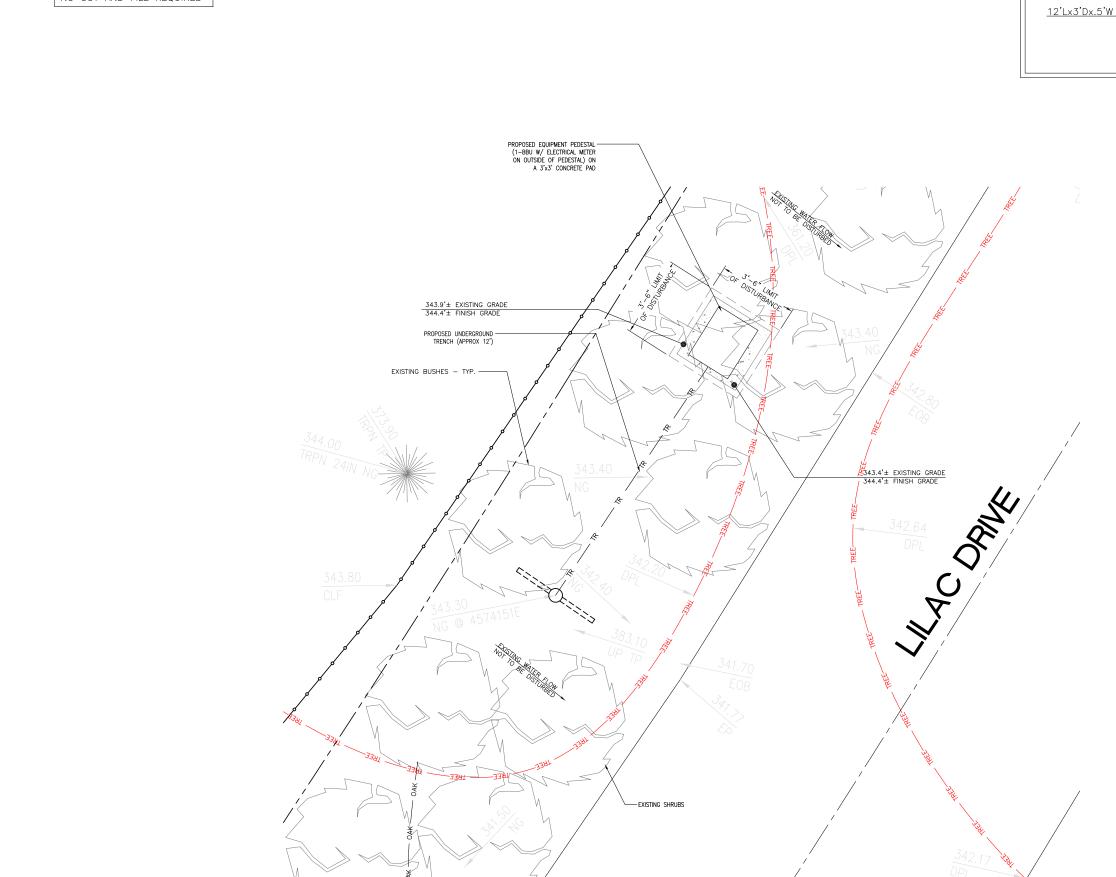
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_		DESIGN GROUP, LLC				
	CONSU	ULTING CIVIL ENGINEERS 5 RANCHO PKWY. SOUTH				
	LAKE	E FOREST, CA 92630-8326 07 OFFICE - (949) 753-8833 FAX				
	S	BITE BUILDER:				
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		SURVEYOR:				
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	AND AS	SSOCIATES, INC.				
	3188 AIRV	VEYING & MAPPING way avenue, suite k1				
	714	SA, CALIFORNIA 92626 557–1567 OFFICE F 557–1568 FAX				
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	R.O.W. WES (ADJACEN ⁻ SANTA B/	T TO 663 LILAC DR) ARBARA, CA 93108				
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	R.O.W. WES (ADJACEN SANTA B/	T TO 663 LILAC DR) ARBARA, CA 93108 SHEET TITLE:				
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	32-	A10
		REV: DATE/BY: REVISION DESCRIPTION:
	39'-0" TOP OF (E) POLE	FXC ISSUED FOR
	38'-6" EVISTING DDIMADY	FYC ISSUED FOR
	JO TO EXISTING PRIMART	
		ENGINEER/CONSULTANT:
	33'-6" EXISTING TRANSFORMER	Civil Engineer
	32'-6" EXISTING SECONDARY	g
28'-6' TOP OF PROPOSED ANTENNA 28'-6' PROPOSED CROWN CASTLE FIBER 23'-5' EMISTING COMM 22'-6' EMISTING COMM 22'-6' EMISTING COMM 22'-6' EMISTING COMM 22'-6' EMISTING COMM 21'-7' 5' 5' 5' 5' 5' 5' 5' 5' 5' 5		
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22'-3" EXISTING COMM 22'-6" EXISTING COMM 22'-6" EXISTING COMM STAMP: STAMP: STE INFO: STE I		
22'-3" EXISTING COMM 22'-6" EXISTING COMM 22'-6" EXISTING COMM STAMP: STAMP: STE INFO: STE I	26'-6" PROPOSED CROWN CASTLE FIBER	
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FC SHEET NUMBER:		
SHEET NUMBER:		
SCALE: 3/8"=1'-0" 0 1' 2 3' 2 A - 2		
	SCALE:	A-2
	3/8 = 1-U" U 1' 2' 3'	





NOTE: NO CUT AND FILL REQUIRED

<u>GRADING</u>

CONCRETE PA

<u>12'Lx3'Dx.5'W_TRENO</u>

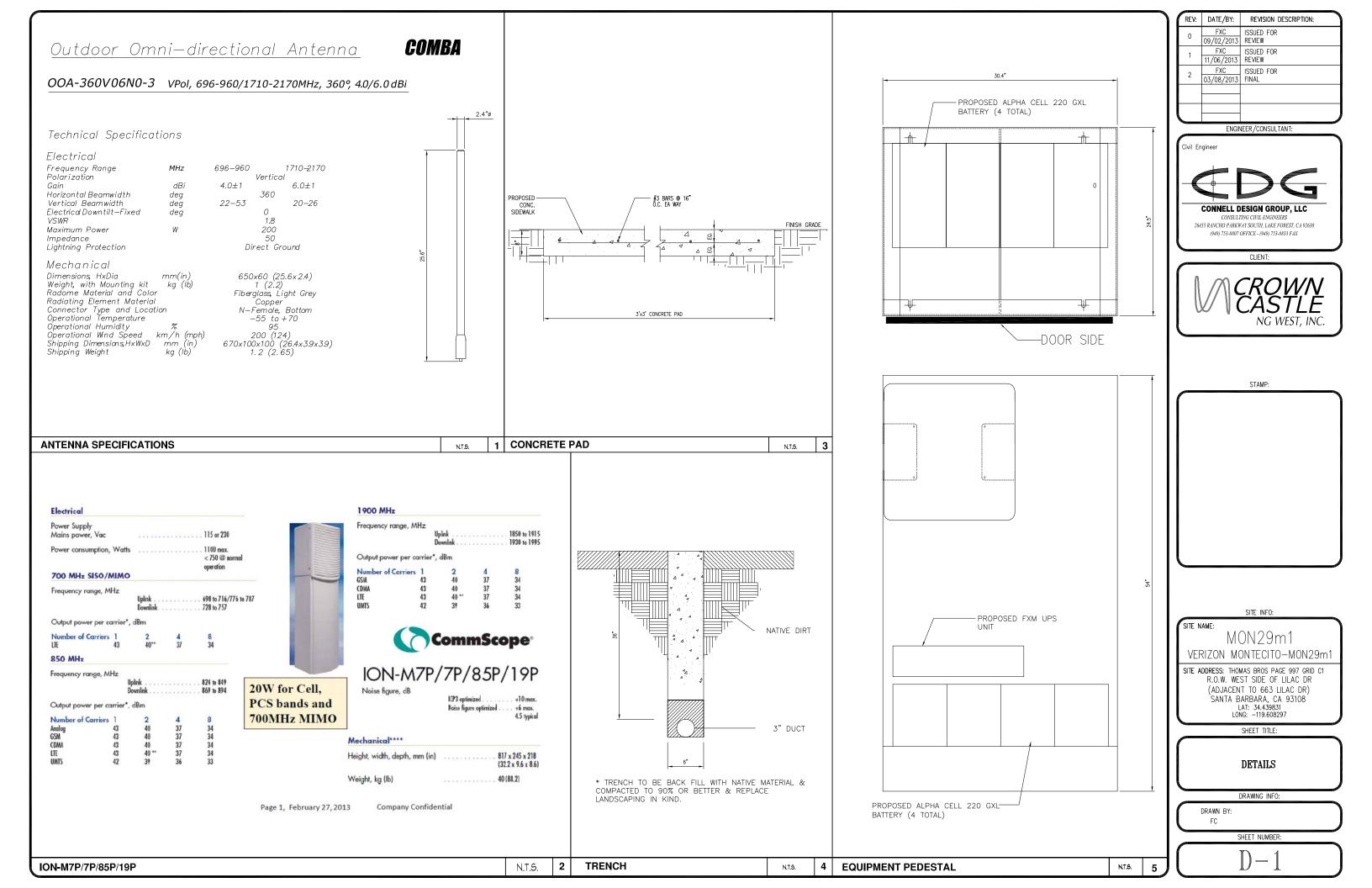
TOT

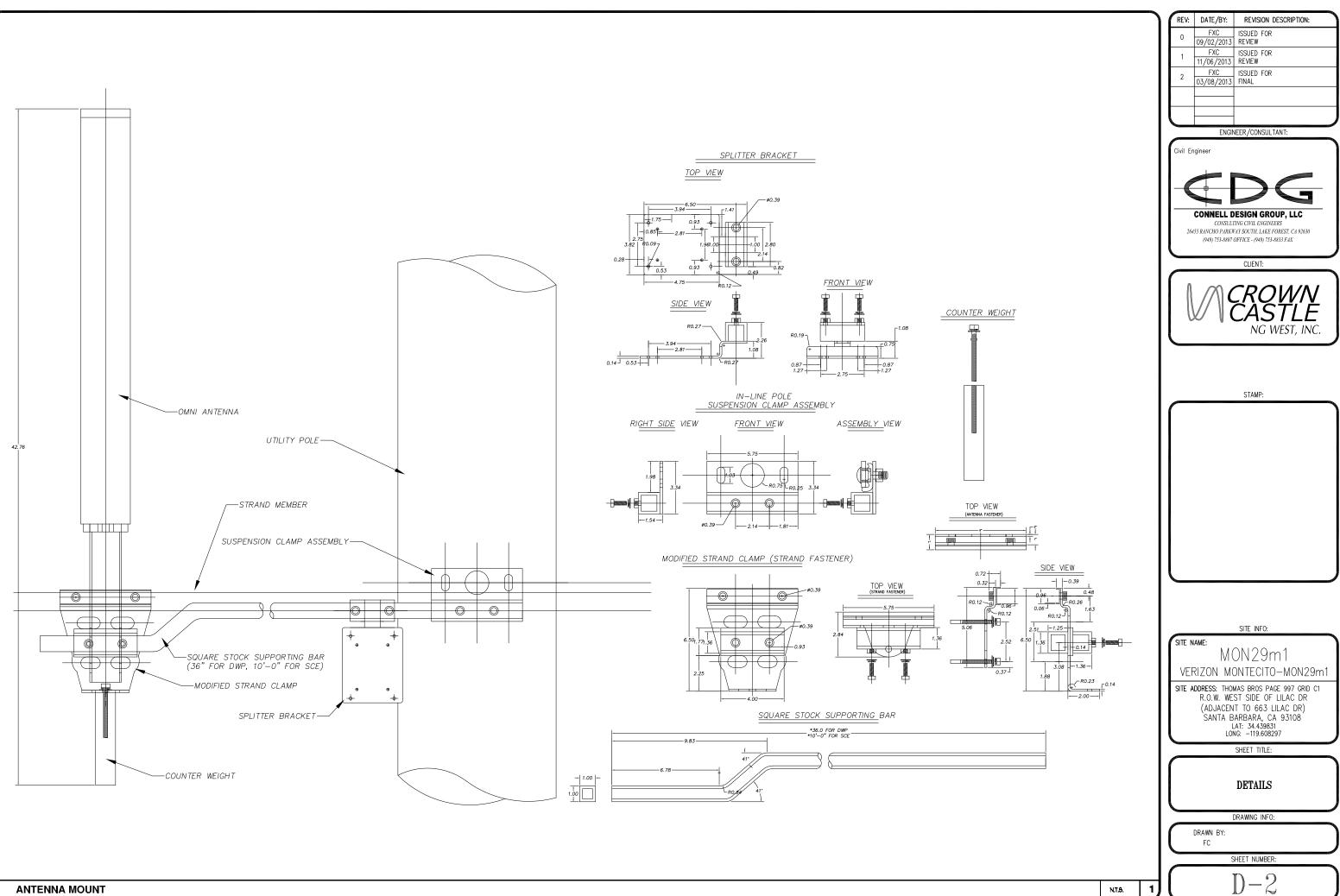
G CALCUL	ATION
AD:	2.997 CF
CH:	<u>18 CF</u>
TAL:	20.997 CF

<u>LEG</u> E	<u>END</u>
TREE DRIP LINE	— ТREE
Cal oak drip line	— ОАК —
Trench	— ТR —
Cal oak	— —

NOTE: TRENCH TO BE HAND DUG.

	REV:	DATE/BY:	REVISION DESCRIPTION:
	0	FXC	ISSUED FOR
		09/02/2013 FXC	REVIEW ISSUED FOR
ATION	1	11/06/2013	REVIEW
	2	FXC 03/08/2013	ISSUED FOR FINAL
2.997 CF		00/00/2010	
<u>18 CF</u>			
20.997 CF		ENGI	NEER/CONSULTANT:
	Civil Er	aineer	
		2	
END			ESIGN GROUP, LLC
	264	55 RANCHO PARKW	YAY SOUTH, LAKE FOREST, CA 92630
		(949) 753-8807 (OFFICE - (949) 753-8833 FAX
—— ОАК —— —— ТК ——			CLIENT:
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		V V (CROWN CASTLE
		- U •	NG WEST, INC.
			STAMP:
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	SITE N		
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			MAS BROS PAGE 997 GRID C1
		R.O.W. WE	ST SIDE OF LILAC DR
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			ANDARA, CA 95108 AT: 34.439831 NG: -119.608297
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	A22		SHEET TITLE:
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	1000		
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SCALE: 1/2"=1-0" 0 1' 2' 1		FC	HEET NUMBER: A-3



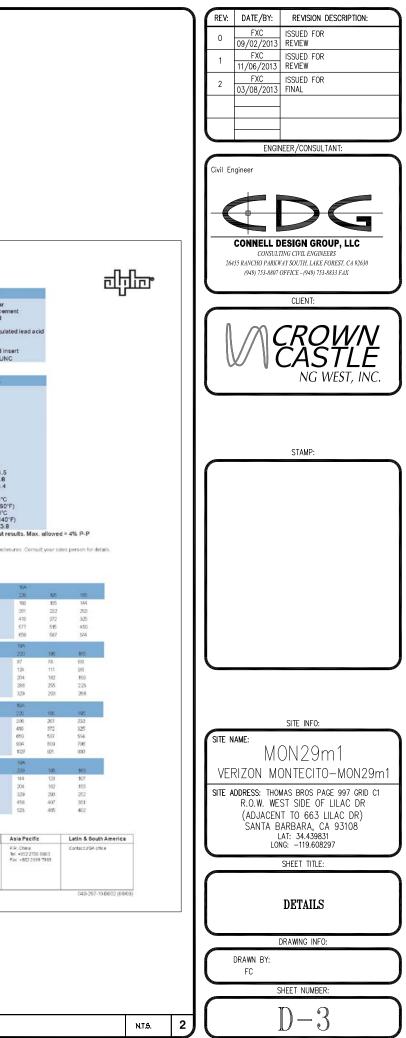


F<u>RONT VIEW</u> (WITH COVER REMOVED) 14.00 <u>SIDE VIEW</u> ASSEMBLY -8.68--5.75 2.17 - STAND OFF BRACKETS (QUANTITY OF 2) ⊕__2.50__ ⊕__2.50__ ⊕__ ⇉ ۲ ۲ B 3.25 \square \square \square \square ++contractor supplied (not included with kit)++ 5/8" x POLE DIA. GALVANIZED LINE HARDWARE BOLT WASHER AND FASTENER. \frown \square \frown \square \frown \square \square \square \square \square \square \square \square \square SHROUD BACK PLATE- \square \square \square SHROUD BACK PLATE -ZEUS CLIP -SHROUD BACK PLATE ZEUS - ZEUS SHROUD COVER SHROUD COV 47.34 **CONTRACTOR SUPPLIED (NOT INCLUDED WITH KIT)** 5/8" X POLE DIA. GALVANIZED LINE HARDWARE BOLT WASHER AND FASTENER. ANGLED STIFFENERS ⇉ 1 CONNECTOR BOX - WIN WITH OPEN LEFT COMPA 6 ANDREWS ION 3'-0" GROUND CORD ۲ ٢ ۲ вĦ]@ B**ijam**) CONNECTOR E ANDREWS ION POWER CORD (ZIP TIED) ⇒ B**ina** -SHROUD CONNE ACCESS HATCH • SHROUD CONNECTOR Нø 3.25 (1) CONNECTOR BOX-POLE ATTACHMENT SPACERS **→**2.50**→** ___0.50 STAND OFF BRACKETS 1.00 Φ-¢ R0.24— **──**3.50—► -7.50 -5.00-—0.20 1.00 1 --1.75 75 Ð -0.50 -ø0.46 5.00 -1.50 . 143° 3.25 **G** 1.75 0.91 \bowtie

MODBI:	General Specifications Model:				220 GXL			195 GXL			
Wooder: Warranty':				4 to 5 ye full repla	Har		4 to 5 year full replacement		165 GXL 4 to 5 year ful replacem		
Service Life:				Extende	Extended			Extended		Ē	
Runtime (minutes) ² : Sealed VRLA:				220 Valve regulated lead acid			195 Valve regulated lead acid		ul		
Heat Resistant:				Extreme			Extreme				
Hydrogen Emission: Terminals:			Threade 1/4" - 20			Threaded ins 1/4" - 20 UNC		Threaded in 1/4" - 20 UN			
pecification	ns4				ene					"	
Model:				220 GX	L		195 GXL		165 GXL		
Typical Runtime Cells Per Unit:	e (minu	ites)2:		220	220 6			195 6			
Voltage Per Uni	t:			12.8	12.8			12.8			
Conductance V				1175 900			1100 900	1000			
Max. Discharge Short Circuit Cu	rrent	(A):		2800			2600	2500			
10 Second Volt	s@10	00A:		11.4	11.4			11.3			
Ohms Impedan Nominal Capac			00	0.0050 109Ah			0.0050		0.0055 86		
Nominal Capac	ity at 2	Ohrs: (to 1.70\	PC)	110Ah				100Ah 102Ah 31 67/30.5 8.48/215.4			
BCI Group Size				31							
Weight (lb/kg): Height w/ Termi	nale (i	n (m m) :									
Width (in/mm)3:	- (a:5 (i	and the second s		13.42/3	40.9		13.42/340.9		8.05/204.5 12.5/317.8		
Depth (in/mm)3:		0.0200000		6.80/172			6.80/172.7 -40 to 71°C (-40 to 160°F)		-40 to 71°C (-40 to 160		
Operating Temp Discharge:	peratu	re Kange		-40 to 7	1°C						
				(-40 to 1	60°F)						
Charge (with te	mp co	mpensation):			-23 to 60°C (-9.4 to 140°F)			-23 to 60°C (-9.4 to 140°F)		-23 to 60°C	
Float Charging	Voltag	e (Vdc):		13.5 to 1			13.5 to 13.8		13.5 to 1		
AC Ripple Char	ger:			0.5% RM	IS or 1.59	6 offloat	charge voltage	e recommen	ded for bes	A	
Nobes		31 O. 3	333	8. 800000		0.000	10.25	2 62 8	100		
¹ Warranty ve ² Runtimes c	eries by alculate	country and regi d using a 25A D/	on Warn Coonstar	anty valid only wit dicurrent loaid	ten øsed w	ith Alpha a	approved Power	Supplies, Cha	rgers and En	f	
³ Dmensions	at top	of battery.									
		rs Guide for Add									
	-	Time in Minut	es @ 2								
XM280V802	4A	323	1000	6A	5355	02	EA	1225	30-2		
BatteryRuntma 3.tellenes	220	195	105	220	195	10		195 206	105	l	
4 ballenes	701	450 625	300 546	444	200	34		200	258		
Stations	1091	573	853	701	625	54	6 523	405	407		
8 batteries	-1487	1388	1166	960	859	75		643	562		
9 battones:	1536	159	1822	1091	978	85	3 820	733	640		
3M290Nac@	124			144			165				
BalleryRuntme	220	195	105	220	195	100		195	105		
3 baterios 4 baterios	149. 210	132	115	119	106	92 13	101	89 128	112		
4 batenes 6 batenes	339	301	264	275	245	214		209	183		
Stations:	478	419	367	385	341	29		293	256		
9 batteries.	538	479	419	440	391	34		335	294		
XM280/Mac(2)	44			6A			8A			į	
BateryRuntme	220	196	195	220	195	105		105	165		
3 batteries:	796	712	622	508	453	396		335	294		
4 betteries: 6 betteries:	1091	976 1519	453 1322	701	625 978	546		465	407 640		
8 betteries:	2288	2067	13/2	1487	1338	110		1005	877		
9 beberies:	2990	2945	202	1000	1519	132		1943	967		
XM260Nac622	124			14A			168			Í	
Battery/Runting	220	195	105	220	195	167	5 220	195	165		
3bateries	242	215	1B8	196	174	151		148	125		
4 batteries	339	301	264	275	245	25		209	182		
6batteries 8batteries	538 741	479 660	419 577	440	391 545	34		335	290 402		
Bbattenes	843	758	658	607	617	4A 53		531	462		
*Above calculation	sbesed	on an AC load with	a 90 cabl	plant power factor							
or contact inf	1.1		alpha.								
The Alpha Group		North America		ope, Middle Ezst & Africa							
		Canada Tel +1 604 430 1478		Cyprus Tel +357 25 375 6	575	Germany Tel: +49.9	122 79889 0	Lithuania Tel: +370.63	210 5291		
		Fax: +1 604 430 890 Toll Fires: +1 800 66		Fax: + 307 02 309	595		9122 79889 21	Fax +370.5	210 6292		
			1.000	Durals		United M-	sodom				
		USA 161 +1 360 647 2361 Fac: +1 360 671 493		Russia Tet +7 495 925 98 Fax: +7 495 916 1	344		igdom 279 601110 1279 659870				

8 MM STAINLESS STEEL STUD -----

-3.00--



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 ENGINEERING 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 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 control of shall be responsible for solvet monowing analyse vertical control benchmarks which are instructed to destruct be construction. A LAND SUPPORT MUST HELD COATE, 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 SUPPEYORS A CORNER RECORD OR RECORD OF SUPPEY, SA SPROPRIATE, SHALL BE FELLA SE REQUIRED BY THE PROFESSIONAL LAND SUPPEYORS ACT. IF ANY VERTICAL CONTROLL STO BE DISTURED OR DESTROYED, THE LOCAL JURISDICTION FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE 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 DESTROYED BY THE CONSTRUCTION.

5. INPORTANT 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 DAYS BEFORE YOU DIG.

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 CONSTRUCTION.

9. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER, WATER, AND STORMDRAIN MAIN INCLUDING ALL CROSSINGS.

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 PROCEAM 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 POLLUTION

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.

1. THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLUDING SEWER LATERALS AND WATER SERVICES TO INDIMIDUAL 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 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, 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 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.

9. 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.

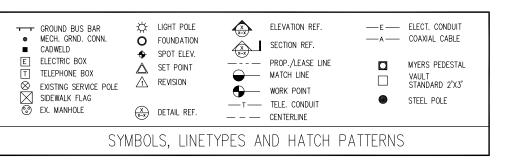
12. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE CITY ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT



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



VICINITY MAP - N.T.S.



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 ACTIVITY.

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

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.

HAZARDOUS CONDITION.

12 CRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

WORKING DAY WHEN RAIN IS IMMINENT.

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 ROAD OR ALLEY CLOSURE

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

PROJECT DICTIONARY

SITE ADDRESS:

APPLICANT:

T-1 - SHEET 1 OF 7

A-1 - SHEFT 2 OF 7

A-2 - SHEET 3 OF 7 D-1 - SHEET 4 OF 7

D-3 - SHEET 6 OF D-4 - SHEET 7 OF - SHEET 6 OF 7

- SHEET 5 OF

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

		CONSTRUCTION CHANGE TABLE			
CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS			

APPLICABLE CODES	PROJECT DESCRI
ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:	PROJECT CONSISTS OF INSTALLATION OF:
*2010 CALIFORNIA BUILDING CODE *2010 CALIFORNIA MECHANICAL CODE	1. (2) OMNI ANTENNA ON EXISTING UTILITY POLE
*2010 CALIFORNIA PLUMBING CODE *2010 CALIFORNIA ELECTRICAL CODE	2. EQUIPMENT SHROUD ON EXISTING POLE
IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL	3. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL POLE

PROJECT DESCRIPTION	SHEET	INDEX:
OJECT CONSISTS OF INSTALLATION OF:	TITLE SHEET SITE PLAN	T-1 - SHEET A-1 - SHEET
(2) OMNI ANTENNA ON EXISTING UTILITY POLE	PROPOSED ELEVATIONS	A-2 - SHEET
EQUIPMENT SHROUD ON EXISTING POLE	DETAILS DETAILS	D-1 - SHEET D-2 - SHEET
IPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF	DETAILS DETAILS DETAILS	D-2 - SHEET D-3 - SHEET D-4 - SHEET

CODES	PROJECT DESCRIPTIO
MING APPLICABLE CODES:	PROJECT CONSISTS OF INSTALLATION OF:
	1. (2) OMNI ANTENNA ON EXISTING UTILITY POLE
	A FOURDWENT CURRIED ON EXISTING DOLE

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:

SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY

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.

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

R.O.W. SOUTH SIDE OF TOLLIS AVE. (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

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

ENGINEER /CONSULTANT

Civil Engineer



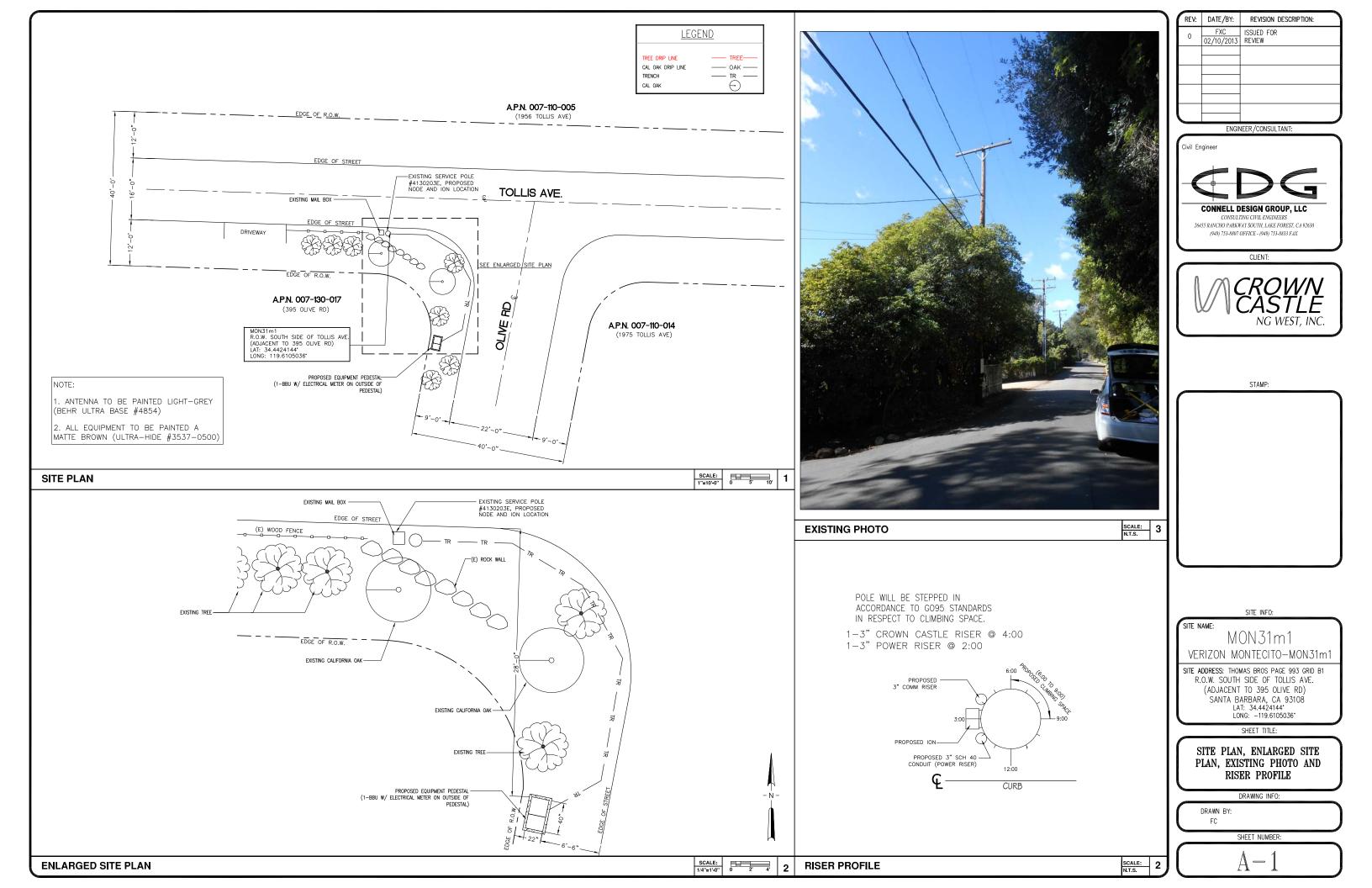
26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX

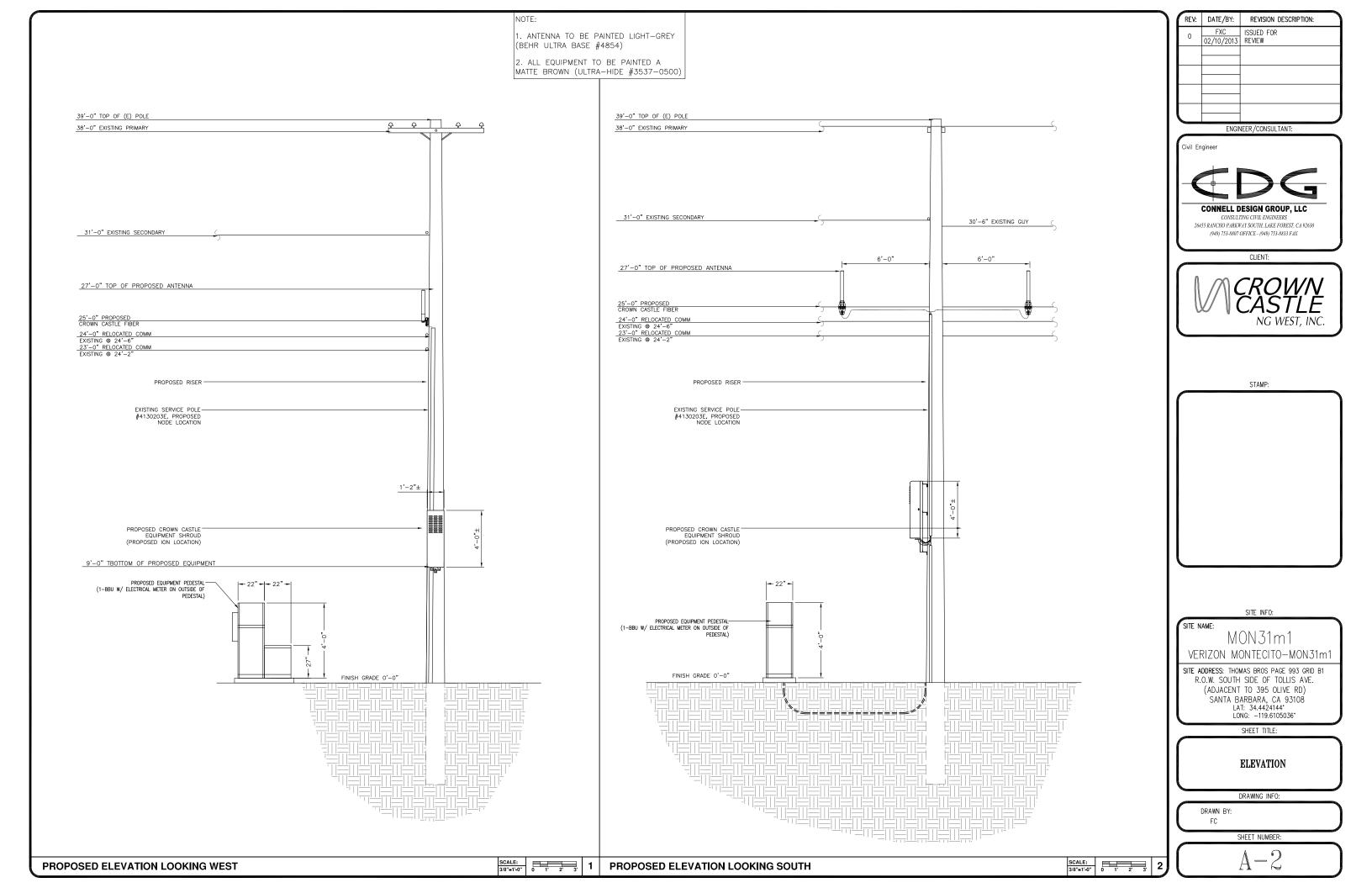
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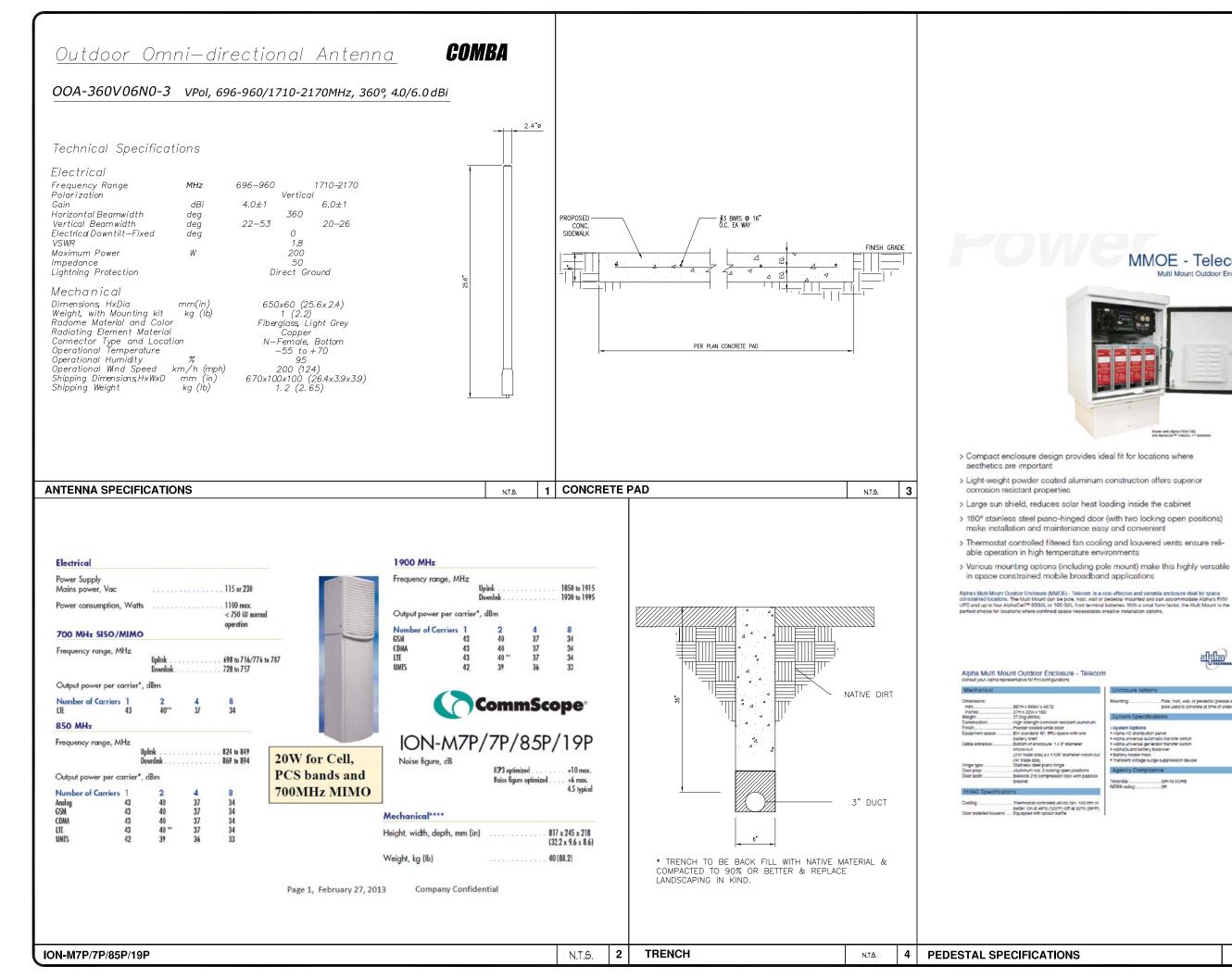


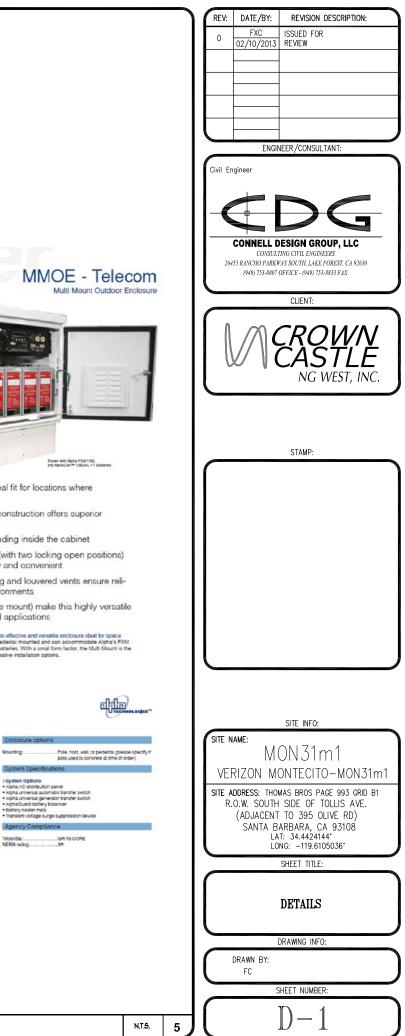
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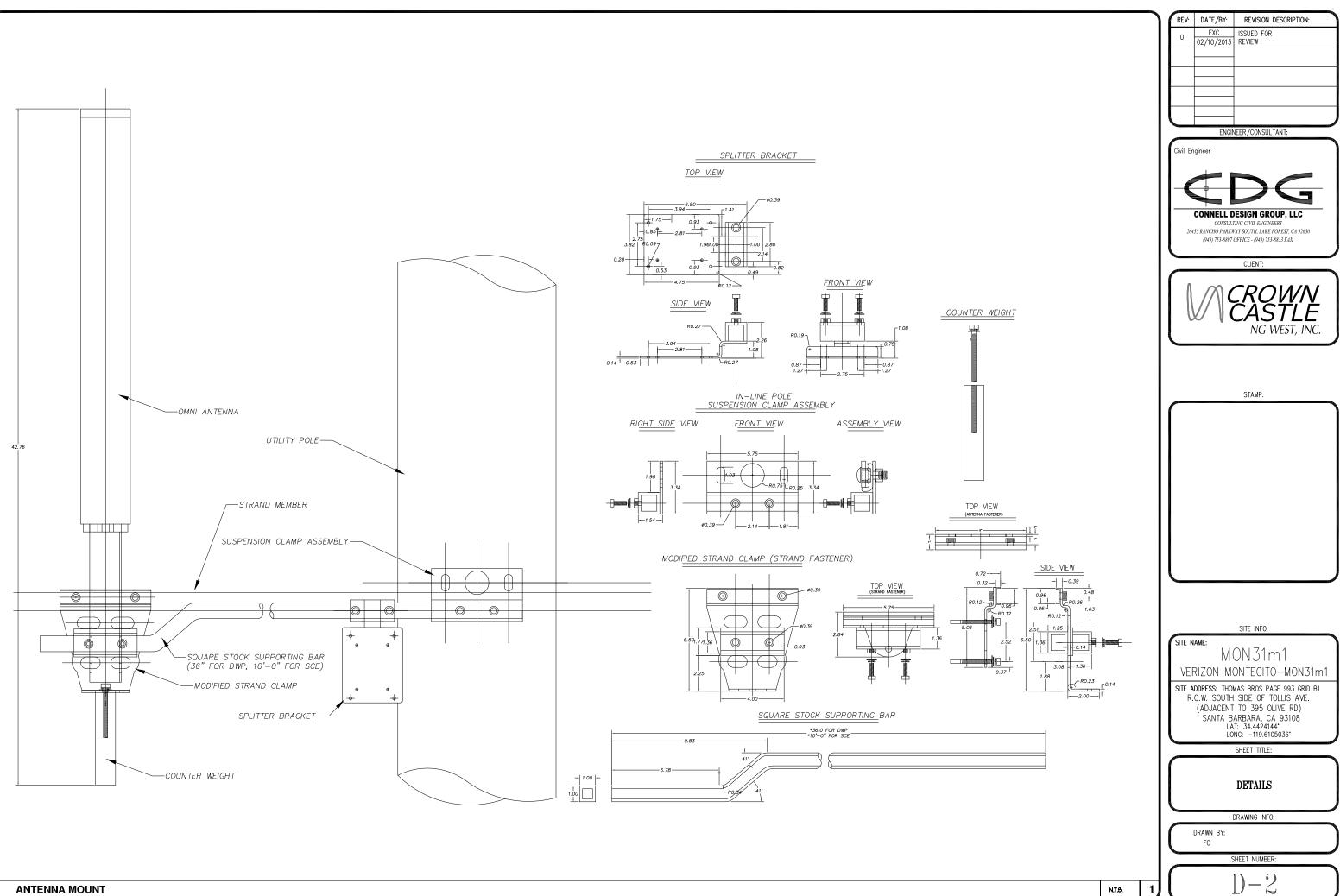
SITE INFO: SITE NAME: MON31m1 VERIZON MONTECITO-MON31m1 SITE ADDRESS: THOMAS BROS PAGE 993 GRID B1 R.O.W. SOUTH SIDE OF TOLLIS AVE. (ADJACENT TO 395 OLIVE RD) SANTA BARBARA, CA 93108 LAT: 34.4424144° LONG: -119.6105036 SHEET TITLE: TITLE SHEET DRAWING INFO: DRAWN BY: FC SHEET NUMBER:











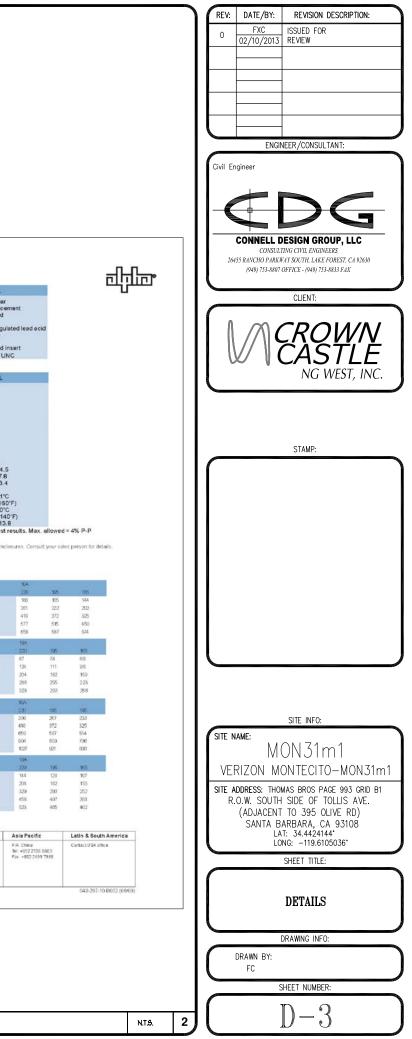
F<u>RONT VIEW</u> (WITH COVER REMOVED) 14.00 <u>SIDE VIEW</u> ASSEMBLY -8.68--5.75 2.17 - STAND OFF BRACKETS (QUANTITY OF 2) ⊕__2.50__ ⊕__2.50__ ⊕__ ⇉ ۲ ۲ HB 3.25 \frown \square \square \square +*CONTRACTOR SUPPLIED (NOT INCLUDED WITH KIT)** 5/8" X POLE DIA. GALVANIZED LINE HARDWARE BOLT WASHER AND FASTENER. \frown \square \frown \square \frown \square \square \square \square \square \square \square \square \square SHROUD BACK PLATE- \square \square \square SHROUD BACK PLATE -ZEUS CLIP -SHROUD BACK PLATE ZEUS - ZEUS SHROUD COVER SHROUD COV 47.34 **CONTRACTOR SUPPLIED (NOT INCLUDED WITH KIT)** 5/8" X POLE DIA. GALVANIZED LINE HARDWARE BOLT WASHER AND FASTENER. ANGLED STIFFENER ⇉ 1 CONNECTOR BOX - 6 ANDREWS ION 3'-0" GROUND CORD ۲ ٢ ۲ вĦ]@ Binn) CONNECTOR E ANDREWS ION POWER CORD (ZIP TIED) ⇒ B**i**na -SHROUD CONNE ACCESS HATCH . He SHROUD CONNECTOR 3.25 (1) CONNECTOR BOX-POLE ATTACHMENT SPACERS **→**2.50**→** -0.50 STAND OFF BRACKETS 1.00 Φ-¢ R0.24-\ 🔫 3.50---7.50 -5.00-—0.20 1.00 1 --1.75 **7**5 Ð -0.50 -ø0.46 5.00 -2.46 -1.50 . 143° 3.25 0 1.75 0.91 \bowtie

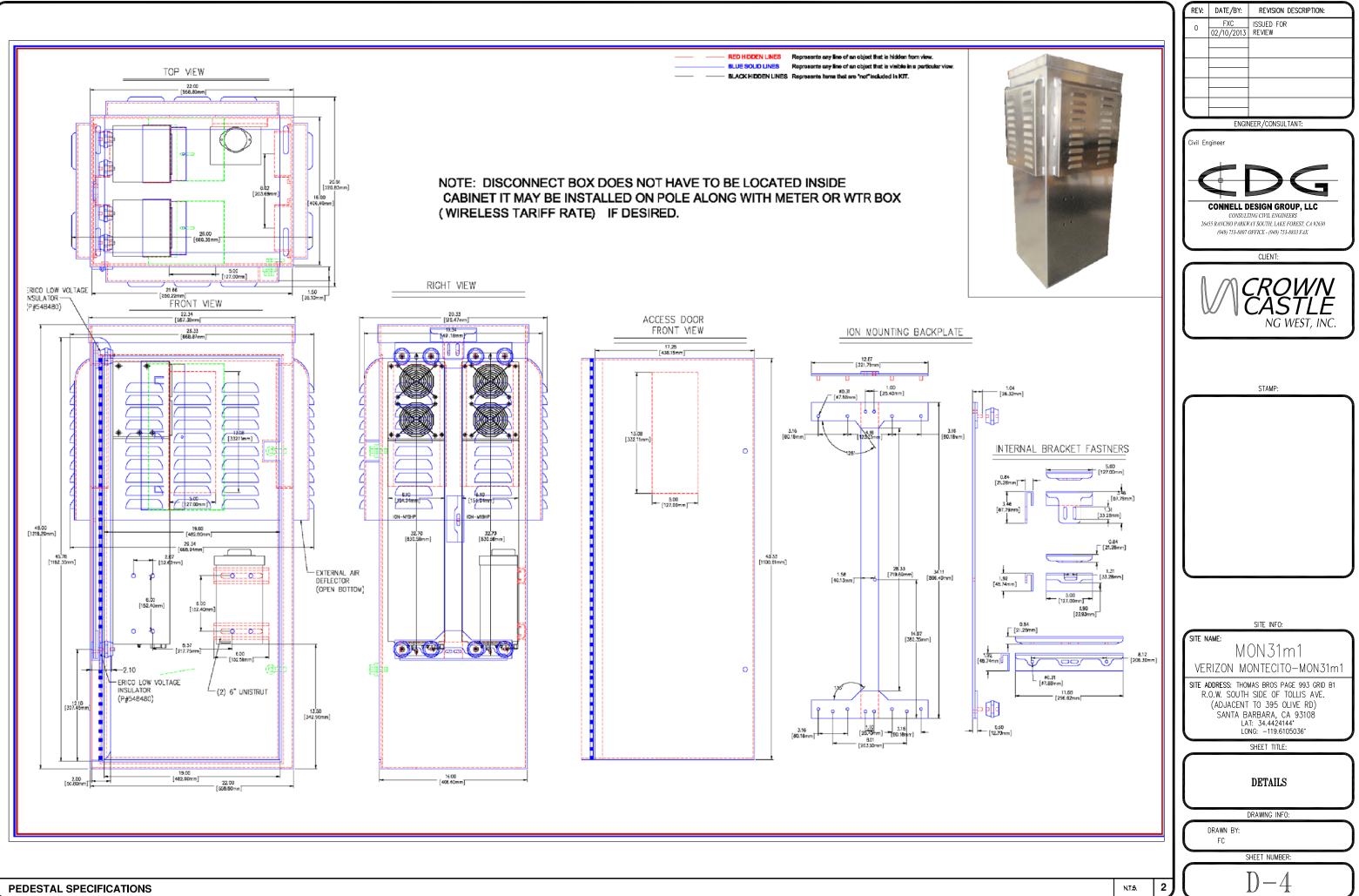
	pecifica	tions								
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Specificatio	ns*									
Model:				220 GX 220	L		195 GXL		165 GXL	
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4 ballenes. Stallenes	701	625 973	546 853	444	390 625	34 54		293 495	258 407	
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XM290Vac@ BaleryRutime	220	195	105	220	195	102	220	195	105	-
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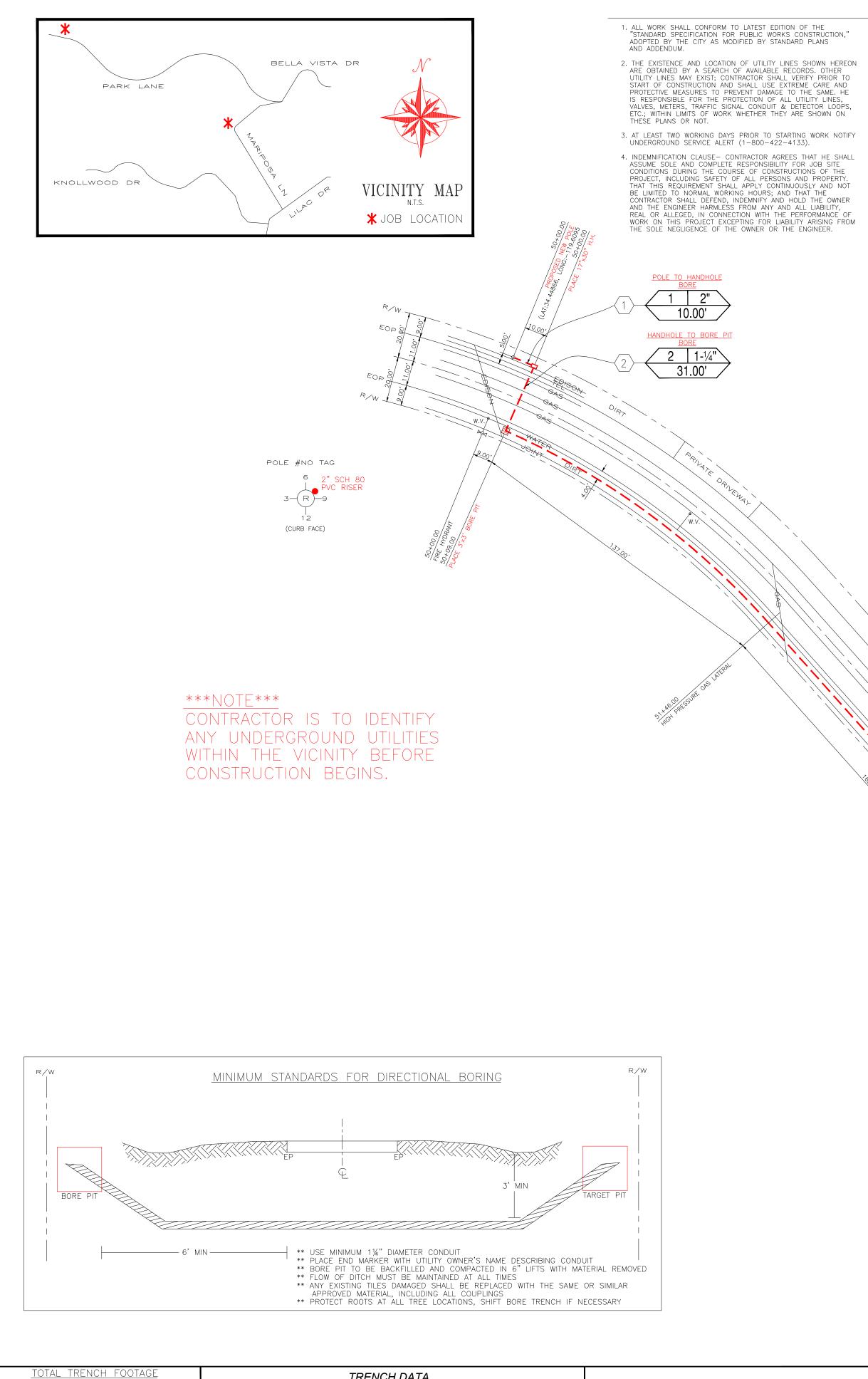
8 MM STAINLESS STEEL STUD

-3.00--

1 BATTERY SPECIFICATIONS







	AL TRENCH FOOT tle ng only =	<u>AGE</u> <u>664.00'</u>		TRENCH	I DATA				
	BILL OF MATERIA	ALS	─ PL 10.00'	(1)-2" DUCT.			SYMBOL	DESCRIPTION	SYMBOL
	DESCRIPTION	QUANTITY	1 BORE	(1) 2 0001.	PL. 156.00	'(2)-1¼"DUCT.		PROPOSED VAULT	Ę
	17" x 30" (ASPH)	0		/	<u>BORE</u>			BORE PIT	P
VAULTS	17" x 30" (CONC)	0	2 PL. 31.00' BORE	(2)-1¼" DUCT.			\oplus	UTILITY POLE	R/W
	17" × 30" (DIRT)	2					\odot	TREE/BUSH	C/S/W
	1¼" PVC	654'	(3) PL. 467.00 BORE	'(2)-1¼"DUCT.			\otimes	WATER VALVE	PKWY
CONDUIT	2" PVC	10'	DIRT	_, `	CONCRETE	'		FIRE HYDRANT	CONDUIT
	4" PVC	0'	BORE	664.00'	ASPHALT	0'	- X-0	STREET LIGHT	<u>DATA BLOC</u>

CONSTRUCTION NOTES

- 5. ALL WORK AREA AND STREET TRAFFIC CONTROL SHALL BE PER "WATCH": (WORK AREA TRAFFIC CONTROL HANDBOOK) UNLESS NOTED OTHERWISE. 6. ALL PAVEMENTS, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED SHALL BE RECONSTRUCTED PER THE <u>COUNTY OF SANTA BARBARA</u> IMPROVEMENTS STANDARD.
- 7. PRIOR TO THE BEGINNING OF ANY EXCAVATION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK THE CONTRACTOR SHALL FULLY COMPLY WITH THE CALIFORNIA OCCUPATIONAL SAFFETY AND HEALTH ACT OF 1973 INCLUDING ALL REVISIONS AND AMENDMENTS THERETO.
- THE CONTRACTOR SHALL HAVE COPIES OF THE PLANS ON THE PROJECT SITE AND BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING ABOVE OR BELOW GROUND IMPROVEMENTS, AS A RESULT OF HIS OPERATIONS, AND SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF SAME TO THE SATISFACTION OF THE CITY.
- 0. ALL BACKHOE EXCAVATION SHALL BE SAW CUT TO FACILITATE REMOVAL BY THE USE OF A POWER DRIVEN SAW. THE DEPTH OF CUT SHALL BE DEEP ENOUGH TO PRODUCE A CLEAN STRAIGHT
- BREAK. 11. TUNNEL ALL CURBS AND GUTTERS AND BORE ALL DRIVEWAYS AND WALKWAYS.

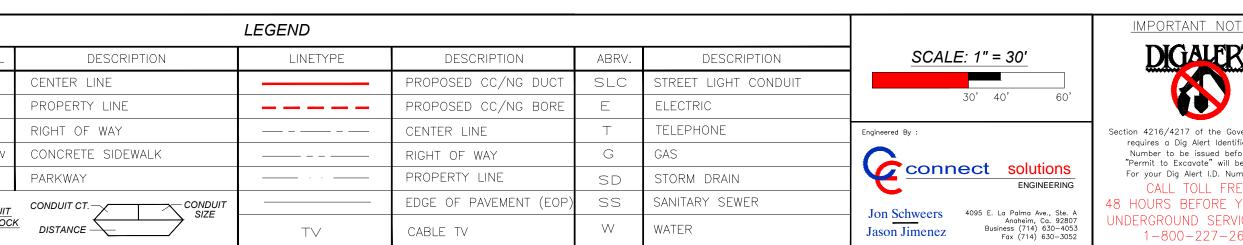
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- 12. EXISTING PORTLAND CEMENT CONCRETE SHALL BE SAW CUT TO FACILITATE REMOVAL BY THE USE OF A POWER DRIVEN SAW. THE DEPTH OF CUT SHALL BE DEEP ENOUGH TO PRODUCE A CLEAN, STRAIGHT BREAK WITHOUT CRACKING, CHIPPING OR LOOSENING ADJOINING PCC. THE EXISTING PCC SHALL BE CUT BEYOND THE CONFIGURATION OF THE TRENCH OR EXCAVATION AREA AS MAY BE REQUIRED BY THE PUBLIC WORKS INSPECTOR TO ELIMINATE SMALL "FLOATING" PIECES OF CONCRETE, SUCH AS WHERE THE EXISTING PCC IS DAMAGED OR CRACKED. IN GENERAL, THE REPLACEMENT SHALL BE TO THE EXTENT THAT THERE ARE NO FLOATING PIECES OF PCC LEFT REMAINING WHICH ARE SMALLER THAN 9 SQUARE FEET IN AREA. IN ADDITION, THE SAW CUT LIMITS SHALL BE LOCATED NO CLOSER THAN 3 FEET FROM A SCORE LINE OR COLD JOINT. MIN. PCC REMOVAL IS 25 SQUARE FEET, SCORE LINE TO JOINT. MIN. PCC REMOVAL IS 25 SQUARE FEET, SCORE LINE TO SCORE LINE.
- 13. UNLESS OTHERWISE NOTED: 3" CONDUIT BENDS SHALL HAVE A RADIUS OF 3', 2" CONDUIT BENDS SHALL HAVE A RADIUS OF 2'. PLACE 2 SACK SLURRY MIX AROUND ALL CONDUIT BENDS HAVING A RADIUS OF LESS THAN 50'.
- 14. ALL CONDUIT SHALL BE DB 120, UNLESS OTHERWISE SPECIFIED. ALL SWEEPS TO POLES SHALL BE SCHEDULE 80. REMOVE AND REPLACE CURB AND GUTTER ABOVE SWEEPS TO VAULTS IN THE SIDEWALK, OR BORE UNDER CURB AND GUTTER. JETTING IS <u>NOT</u> ALLOWED.
- 16. THE CONTRACTOR SHALL NOTIFY THE APPLICABLE DEPARTMENTS OF THE CITY AT LEAST TWO DAYS BEFORE START OF WORK. DURING THE COURSE OF WORK, THE CONTRACTOR SHALL CALL FOR INSPECTION OF ALL APPLICABLE WORK.
- 17. ALL SHRUBS, PLANTS, OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK SHALL BE REPLANTED OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION.
- 18. DURING THE COURSE OF THE WORK, PEDESTRIAN AND VEHICULAR ACCESS MUST BE MAINTAINED AT ALL TIMES.
- 19. NON-SKID CALTRANS APPROVED STEEL PLATES SHALL BE RECESSED IN TRENCH CROSSING MAJOR STREETS (AREA DESIGNATED BY CITY ENGINEER) AND INSTALLED PER CALTRANS SPECS. PAVEMENT SHALL BE COLD PLANED TO A DEPTH EQUAL TO THE THICKNESS OF THE PLATE AND TO A WIDTH AND LENGTH EQUAL TO THE DIMENSIONS OF THE PLATES.
- 20. STEEL PLATES USED FOR BRIDGING MUST EXTEND A MINIMUM OF 12" BEYOND EDGES OF TRENCH.
- 21. TEMPORARY PAVING WITH COLD MIX SHALL BE USED TO FEATHER THE EDGES OF THE PLATES TO MINIMIZE WHEEL IMPACT. CONTRACTOR MAY BE REQUIRED TO WELD PLATES TOGETHER TO MINIMIZE RATTLING. CONTRACTOR MAY BE REQUIRED TO SWEEP UP LOOSE GRAVEL SEVERAL TIMES PER DAY AS DEEMED NECESSARY BY CITY ENGINEER.
- 22. BRIDGING SHALL BE SECURED AGAINST DISPLACEMENT USING ADJUSTABLE CLEATS, SHIMS OR OTHER DEVICES.
- 23. RESTORE ALL LANDSCAPING, INCLUDING IRRIGATION SYSTEM AROUND

BORE PIT TO MATCHLINE

TOTAL CONSTRUCTION TOTALS: 664.00' OF PLACE FIBER CONDUIT



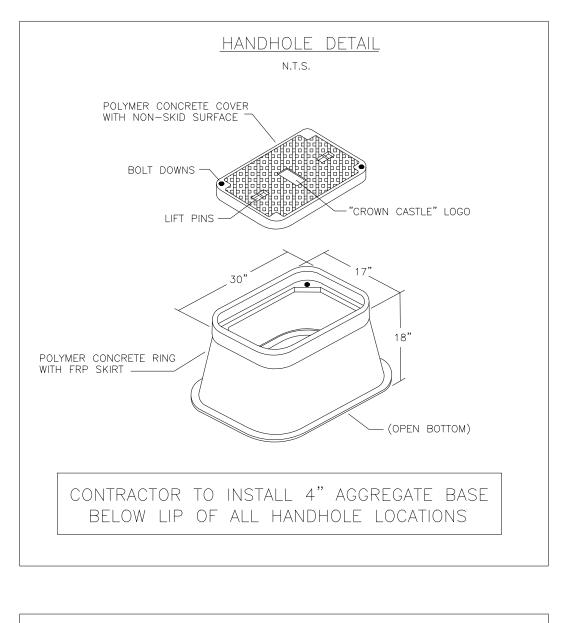
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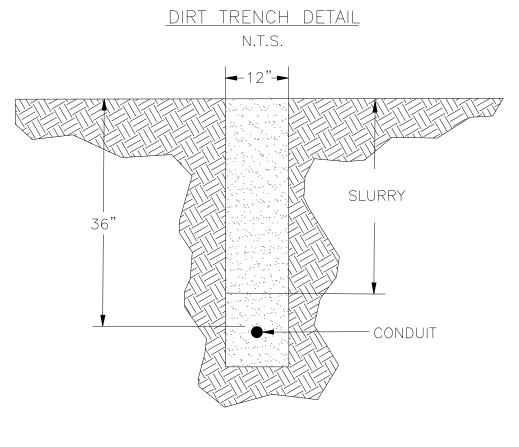
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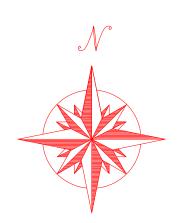
24. VAULT SHALL BE INSTALLED WITHIN THE RIGHT-OF WAY.

- 25. NEW PAVEMENT THICKNESS SHALL BE EXISTING PLUS ONE INCH. USE T-SECTION CUT (ADD 6 INCH CUT ON EACH SIDE OF TRENCH WIDTH). TOP 2" WEARING SURFACE SHALL BE A.C. C2-AR-4000, AND BASE PAVEMENT SHALL BE A.C. B-AR-4000.
- . TACK COAT SHALL BE APPLIED OVER ROADWAY SURFACE PRIOR TO PAVEMENT INSTALLATION. TẠCK COAT SHẠLL BE AR-4000 HOT TACK 26 EMULSIFIED ASPHALT PER "GREEN BOOK" REQUIREMENTS.
- 27. 3/4 SACK CEMENT/SAND SLURRY BACKFILL. ALL SLURRY BACKFILL WILL REQUIRE 72 HOURS OF CURE TIME. ALL EXCAVATION AND TRENCHES WILL BE SECURED WITH STEEL PLATES. 28. PERMANENT PAVING SHALL BE COMPLETED WITHIN TWO WEEKS AFTER EXCAVATION. TEMPORARY PAVING USING COLD MIX A.C. IS ACCEPTABLE AFTER ALLOWING 72 HOURS OF CURE TIME ON SLURRY MIX BACKFILL.
- 29. REPLACE ANY EXISTING STRIPING, MARKINGS AND SURVEY MONUMENTS THAT MAY HAVE BEEN REMOVED OR DAMAGED.
- 30. ACCESS SHALL BE PROVIDED TO ALL FIRE HYDRANTS, VALVES, VAULTS, METERS, AND PULL BOXES AT ALL TIMES. TRAFFIC SIGNALS, PEDESTRIAN SIGNALS AND STOP SIGNS SHALL REMAIN UNOBSTRUCTED AT ALL TIMES.

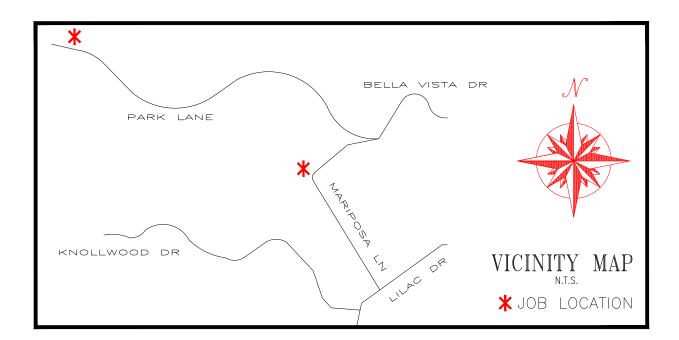
- 31. SEE ADDITIONAL NOTES ON THE EXCAVATION PERMIT.
- 32. HANDHOLES, VAULT OR SUBSURFACE EQUIPMENT ENCLOSURES SHALL BE MARKED AS TO OWNERSHIP TO FACILITATE IDENTIFICATION BY PERSONS AUTHORIZED BY TO WORK THEREIN AND BY OTHER PERSONS PERFORMING WORK IN THEIR VICINITY.
- 33. MANHOLES AND HANDHOLES, WHILE NOT BEING WORKED IN SHALL BE SECURELY CLOSED BY COVERS OF SUFFICIENT STRENGTH TO SUSTAIN SUCH LOADS AS MAY REASONABLY BE IMPOSED UPON THEM, AND ARRANGEMENT SHALL BE SUCH THAT A TOOL OR APPLIANCE SHALL BE REQUIRED FOR THEIR OPENING AND COVER REMOVAL.
- 34. ALL VAULT AND MANHOLES SHALL CONFORM TO APPLICABLE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS (A.A.S.H.O.) STANDARD SPECIFICATIONS H20-S16-44 FOR HIGHWAY BRIDGES, LATEST REVISION, RELATING TO DEAD LOADS LIVE LOADS, AND IMPACT LOADS, ADDITIONALLY, LOADS DUE TO A GROUND WATER TABLE OF THREE (3) FEET FROM FINISHED GRADE AND A SURCHARGE OF (2) FEET SHALL BE APPLIED IN CALCULATING DESIGN LOADS.
- 35. MAINTAIN 12" CLEARANCE BETWEEN NEW CONDUIT AND ALL OTHER UTILITES.







OTICE	PROJECT NUMBER:	REVISED	
RT	VRZ210441CAMONUFL04		CASTLE
Government Code entification before a 11 be valid.	COUNTY OF SANTA BARBARA SUB MAP NO. :		SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE DATE : 06/06/2013 CITY OF MONTECITO SHEET 01 OF 04 LOCATION : PARK LANE & MARIPOSA LANE
Number call REE YOU DIG RVICE ALERT 2600	CITY W.O. : PERMIT NO. : DATE :		LOG # : -GRID # : 6075-1988PROJECT # : VRZ210441CAMONUFL04SYSTEM # : 130301-1 VERIZON - MONTECITOT.G.M. # : 987, C-7ADDRESS # : 995 MARIPOSA LANE MONTECITO, CA 93108TYPE OF DRAWING:SUBSTRUCTURESCROWNCASTLENG

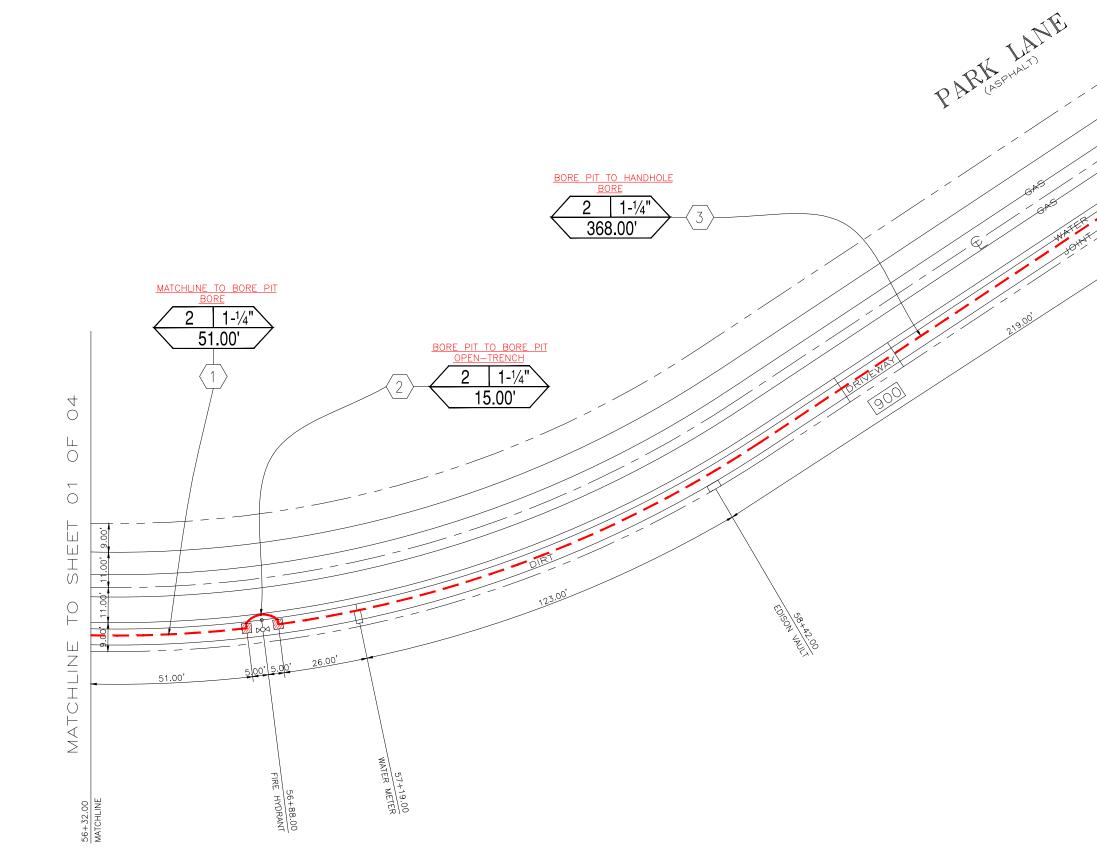


TOTAL CONSTRUCTION TOTALS: 761.00' OF PLACE FIBER CONDUIT

- 1. ALL WORK SHALL CONFORM TO LATEST EDITION OF THE "STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION," ADOPTED BY THE CITY AS MODIFIED BY STANDARD PLANS AND ADDENDUM.
- 2. THE EXISTENCE AND LOCATION OF UTILITY LINES SHOWN HEREON ARE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. OTHER UTILITY LINES MAY EXIST; CONTRACTOR SHALL VERIFY PRIOR TO START OF CONSTRUCTION AND SHALL USE EXTREME CARE AND PROTECTIVE MEASURES TO PREVENT DAMAGE TO THE SAME. HE IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES, VALVES, METERS, TRAFFIC SIGNAL CONDUIT & DETECTOR LOOPS, ETC.; WITHIN LIMITS OF WORK WHETHER THEY ARE SHOWN ON THESE PLANS OR NOT THESE PLANS OR NOT.
- AT LEAST TWO WORKING DAYS PRIOR TO STARTING WORK NOTIFY UNDERGROUND SERVICE ALERT (1-800-422-4133).
- 4. INDEMNIFICATION CLAUSE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTIONS OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT 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, BEAL OR ALLECED. IN CONNECTION WITH THE DEPEOPMANCE OF REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

NOTE CONTRACTOR IS TO IDENTIFY ANY UNDERGROUND UTILITIES WITHIN THE VICINITY BEFORE

CONSTRUCTION BEGINS.



	A <u>l TRENCH FOOTA</u> tle ng only =	<u>.GE</u> _ <u>761.00'</u>	TRENC	CH DATA					LEGEND						IMPORTANT NOTICE	PROJECT NUMBER:	REVISED	$\wedge \land CROWN$
E	BILL OF MATERIAL	S			SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	LINETYPE	DESCRIPTION	ABRV.	DESCRIPTION	SCALE	E: 1" = 30'	DIGALERT	VRZ210441CAMONUFL04		
L	DESCRIPTION	QUANTITY	√1 PL. 51.00' (2)−1¼" DUCT.	√3 PL. 368.00' (2)−1¼" DUCT.		PROPOSED VAULT	CE CE	INTER LINE		PROPOSED CC/NG	DUCT SLC	STREET LIGHT CONDUIT						
	17" x 30" (ASPH)	0	<u>BORE</u>	BORE		BORE PIT	PP PR	ROPERTY LINE		PROPOSED CC/NG	BORE E	ELECTRIC		30'40' 60'		COUNTY OF SANTA BARBARA		SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE
VAULIS	17" x 30" (CONC)	0			\oplus	UTILITY POLE	R/W RIC	GHT OF WAY		CENTER LINE	Т	TELEPHONE	Engineered By :		Section 4216/4217 of the Government Code			DATE : 06/06/2013 CITY OF MONTECITO SHEET 02 OF
	17" × 30" (DIRT)	1	⟨2⟩ PL. 15.00' (2)−1¼" DUCT. <u>OPEN−TRENCH</u>	⟨4⟩ PL. 327.00' (2)−1¼" DUCT. <u>BORE</u>	\bigcirc	TREE/BUSH	C/S/W CO	NCRETE SIDEWALK		RIGHT OF WAY	G	GAS			requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid.	SUB MAP NO. : Thomas guide :987, C-7		LOCATION : PARK LANE & MARIPOSA LANE
	1¼" PVC	761'			\otimes	WATER VALVE	PKWY PA	RKWAY	· · ·	PROPERTY LINE	SD	STORM DRAIN		ect solutions ENGINEERING	For your Dig Alert I.D. Number call	CITY W.O. :		LOG # : - GRID # : 6075-1988 PROJECT # : VRZ210441CAMONUFL04
DNDUIT	2" PVC	0'	DIRT 15.00'	CONCRETE O'		FIRE HYDRANT				EDGE OF PAVEMEN	T (EOP) SS	SANITARY SEWER	Les Calencers		48 HOURS BEFORE YOU DIG	PERMIT NO. :		SYSTEM # : 130301-1 T.G.M. # : 987, C-7 ADDRESS # : 995 MARIPOSA LANE VERIZON - MONTECITO, T.G.M. # : 987, C-7 ADDRESS # : MONTECITO, CA 93108 CA 93108
	4" PVC	0'	BORE 746.00'	ASPHALT 0'	- X-0	STREET LIGHT			TV	CABLE TV	W	WATER	Jon Schweers Jason Jimenez	4095 E. La Palma Ave., Ste. A Anaheim, Ca. 92807 Business (714) 630-4053 Fax (714) 630-3052	UNDERGROUND SERVICE ALER 1-800-227-2600	DATE :		TYPE OF DRAWING: SUBSTRUCTURES CROWN CASTLE NG FACILITY

CONSTRUCTION NOTES

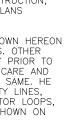
- 5. ALL WORK AREA AND STREET TRAFFIC CONTROL SHALL BE PER "WATCH": (WORK AREA TRAFFIC CONTROL HANDBOOK) UNLESS NOTED OTHERWISE. 6. ALL PAVEMENTS, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED SHALL BE RECONSTRUCTED PER THE <u>COUNTY OF SANTA BARBARA</u> IMPROVEMENTS STANDARD.
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- BREAK. 11. TUNNEL ALL CURBS AND GUTTERS AND BORE ALL DRIVEWAYS AND WALKWAYS.
- 12. EXISTING PORTLAND CEMENT CONCRETE SHALL BE SAW CUT TO FACILITATE REMOVAL BY THE USE OF A POWER DRIVEN SAW. THE DEPTH OF CUT SHALL BE DEEP ENOUGH TO PRODUCE A CLEAN, STRAIGHT BREAK WITHOUT CRACKING, CHIPPING OR LOOSENING ADJOINING PCC. THE EXISTING PCC SHALL BE CUT BEYOND THE CONFIGURATION OF THE TRENCH OR EXCAVATION AREA AS MAY BE REQUIRED BY THE PUBLIC WORKS INSPECTOR TO ELIMINATE SMALL "FLOATING" PIECES OF CONCRETE, SUCH AS WHERE THE EXISTING PCC IS DAMAGED OR CRACKED. IN GENERAL, THE REPLACEMENT SHALL BE TO THE EXTENT THAT THERE ARE NO FLOATING PIECES OF PCC LEFT REMAINING WHICH ARE SMALLER THAN 9 SQUARE FEET IN AREA. IN ADDITION, THE SAW CUT LIMITS SHALL BE LOCATED NO CLOSER THAN 3 FEET FROM A SCORE LINE OR COLD JOINT. MIN. PCC REMOVAL IS 25 SQUARE FEET, SCORE LINE TO
- 14. ALL CONDUIT SHALL BE DB 120, UNLESS OTHERWISE SPECIFIED. ALL SWEEPS TO POLES SHALL BE SCHEDULE 80. 15. REMOVE AND REPLACE CURB AND GUTTER ABOVE SWEEPS TO VAULTS IN THE SIDEWALK, OR BORE UNDER CURB AND GUTTER. JETTING IS <u>NOT</u> ALLOWED.
- 16. THE CONTRACTOR SHALL NOTIFY THE APPLICABLE DEPARTMENTS OF THE CITY AT LEAST TWO DAYS BEFORE START OF WORK. DURING THE COURSE OF WORK, THE CONTRACTOR SHALL CALL FOR INSPECTION OF ALL APPLICABLE WORK.
- 17. ALL SHRUBS, PLANTS, OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK SHALL BE REPLANTED OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION.
- DURING THE COURSE OF THE WORK, PEDESTRIAN AND VEHICULAR ACCESS MUST BE MAINTAINED AT ALL TIMES.
- 19. NON-SKID CALTRANS APPROVED STEEL PLATES SHALL BE RECESSED IN TRENCH CROSSING MAJOR STREETS (AREA DESIGNATED BY CITY ENGINEER) AND INSTALLED PER CALTRANS SPECS. PAVEMENT SHALL BE COLD PLANED TO A DEPTH EQUAL TO THE THICKNESS OF THE PLATE AND TO A WIDTH AND LENGTH EQUAL TO THE DIMENSIONS OF THE PLATES.
- 20. STEEL PLATES USED FOR BRIDGING MUST EXTEND A MINIMUM OF 12" BEYOND EDGES OF TRENCH.
- 21. TEMPORARY PAVING WITH COLD MIX SHALL BE USED TO FEATHER THE EDGES OF THE PLATES TO MINIMIZE WHEEL IMPACT. CONTRACTOR MAY BE REQUIRED TO WELD PLATES TOGETHER TO MINIMIZE RATTLING. CONTRACTOR MAY BE REQUIRED TO SWEEP UP LOOSE GRAVEL SEVERAL TIMES PER DAY AS DEEMED NECESSARY BY CITY ENGINEER.
- 22. BRIDGING SHALL BE SECURED AGAINST DISPLACEMENT USING ADJUSTABLE CLEATS, SHIMS OR OTHER DEVICES.

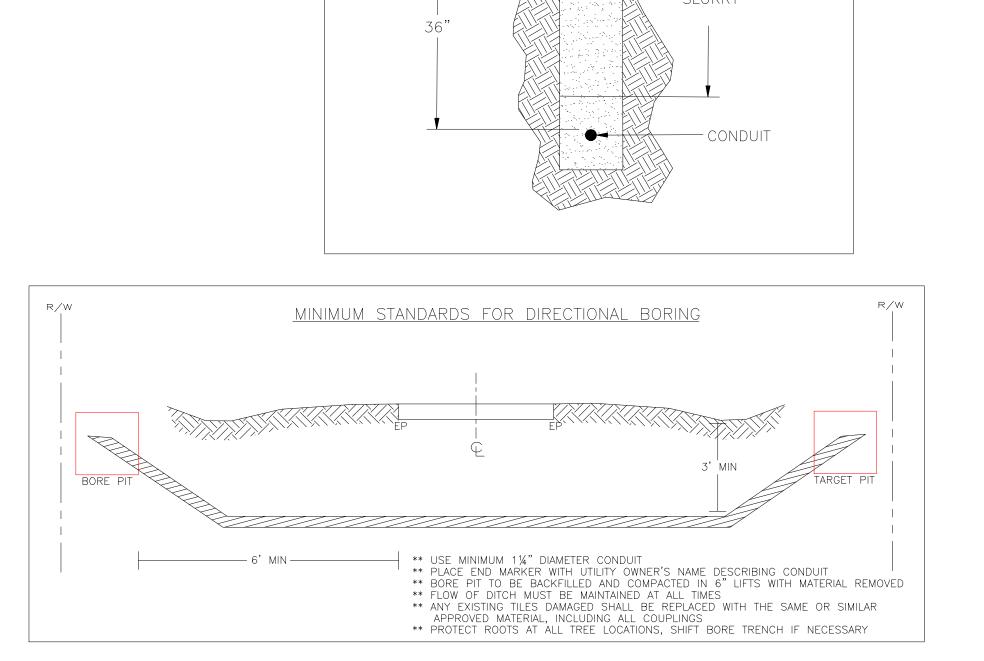
HANDHOLE TO MATCHLINE

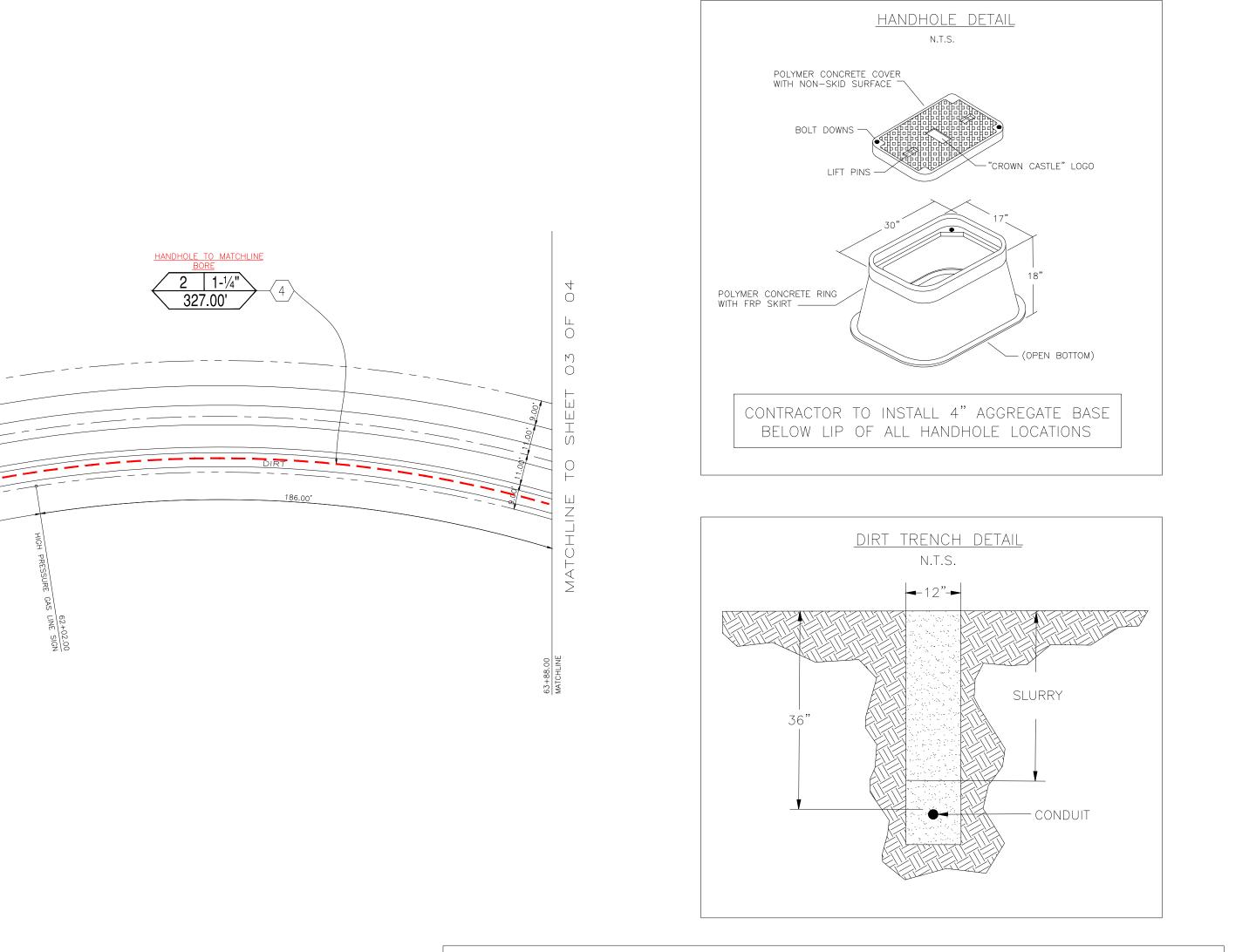
186.00'

23. RESTORE ALL LANDSCAPING, INCLUDING IRRIGATION SYSTEM AROUND

V T.







30. ACCESS SHALL BE PROVIDED TO ALL FIRE HYDRANTS, VALVES, VAULTS, METERS, AND PULL BOXES AT ALL TIMES. TRAFFIC SIGNALS, PEDESTRIAN SIGNALS AND STOP SIGNS SHALL REMAIN UNOBSTRUCTED AT ALL TIMES.

29. REPLACE ANY EXISTING STRIPING, MARKINGS AND SURVEY MONUMENTS THAT MAY HAVE BEEN REMOVED OR DAMAGED.

- 28. PERMANENT PAVING SHALL BE COMPLETED WITHIN TWO WEEKS AFTER EXCAVATION. TEMPORARY PAVING USING COLD MIX A.C. IS ACCEPTABLE AFTER ALLOWING 72 HOURS OF CURE TIME ON SLURRY MIX BACKFILL.
- 27. 3/4 SACK CEMENT/SAND SLURRY BACKFILL. ALL SLURRY BACKFILL WILL REQUIRE 72 HOURS OF CURE TIME. ALL EXCAVATION AND TRENCHES WILL BE SECURED WITH STEEL PLATES.
- 5. TACK COAT SHALL BE APPLIED OVER ROADWAY SURFACE PRIOR TO PAVEMENT INSTALLATION. TACK COAT SHALL BE AR-4000 HOT TACK EMULSIFIED ASPHALT PER "GREEN BOOK" REQUIREMENTS. 26.
- 25. NEW PAVEMENT THICKNESS SHALL BE EXISTING PLUS ONE INCH. USE T-SECTION CUT (ADD 6 INCH CUT ON EACH SIDE OF TRENCH WIDTH). TOP 2" WEARING SURFACE SHALL BE A.C. C2-AR-4000, AND BASE PAVEMENT SHALL BE A.C. B-AR-4000.
- 31. SEE ADDITIONAL NOTES ON THE EXCAVATION PERMIT.
- 32. HANDHOLES, VAULT OR SUBSURFACE EQUIPMENT ENCLOSURES SHALL BE MARKED AS TO OWNERSHIP TO FACILITATE IDENTIFICATION BY PERSONS AUTHORIZED BY TO WORK THEREIN AND BY OTHER PERSONS
- PERFORMING WORK IN THEIR VICINITY. BE SECURELY CLOSED BY COVERS OF SUFFICIENT STRENGTH TO SUSTAIN SUCH LOADS AS MAY REASONABLY BE IMPOSED UPON THEM, AND ARRANGEMENT SHALL BE SUCH THAT A TOOL OR APPLIANCE SHALL BE REQUIRED FOR THEIR OPENING
- AND COVER REMOVAL. 34. ALL VAULT AND MANHOLES SHALL CONFORM TO APPLICABLE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS (A.A.S.H.O.)

STANDARD SPECIFICATIONS H20-S16-44 FOR HIGHWAY

BRIDGES, LATEST REVISION, RELATING TO DEAD LOADS

APPLIED IN CALCULATING DESIGN LOADS.

TO A GROUND WATER TABLE OF THREE (3) FEET FROM

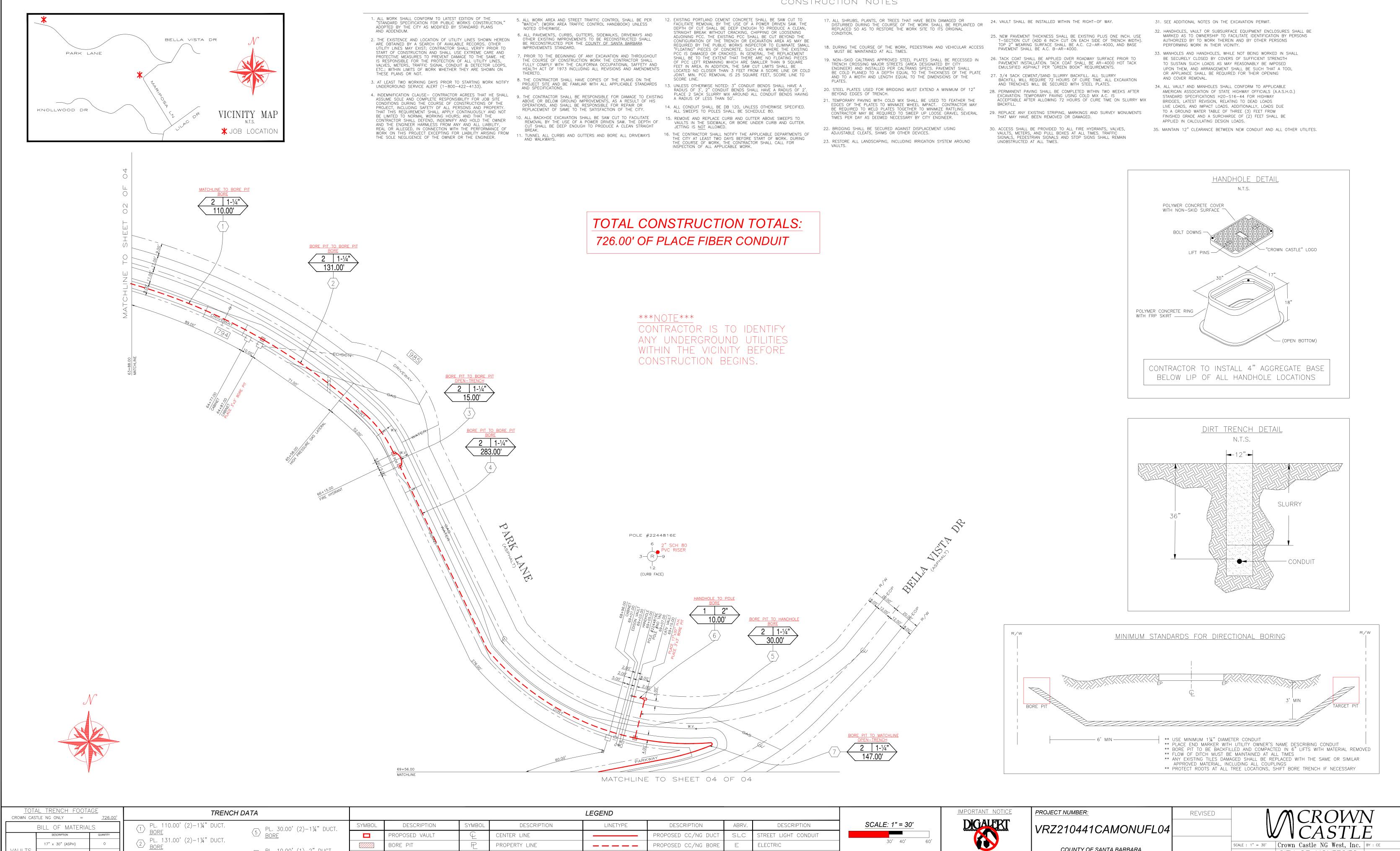
LIVE LOADS, AND IMPACT LOADS. ADDITIONALLY, LOADS DUE

FINISHED GRADE AND A SURCHARGE OF (2) FEET SHALL BE

35. MAINTAIN 12" CLEARANCE BETWEEN NEW CONDUIT AND ALL OTHER UTILITES.

- 33. MANHOLES AND HANDHOLES, WHILE NOT BEING WORKED IN SHALL

24. VAULT SHALL BE INSTALLED WITHIN THE RIGHT-OF WAY.



CONSTRUCTION NOTES

BORE PIT

JTILITY POLE

REE/BUSH

WATER VALVE

IRE HYDRANT

STREET LIGHT

 $\supset \supset \supset$

X—c

⟨6⟩ PL. 10.00' (1)−2" DUCT. BORE

CONCRETE

ASPHALT

⟨7⟩ PL. 147.00' (2)−1¼" DUCT. <u>OPEN−TRENCH</u>

0'

⟨4⟩ PL. 283.00' (2)−1¼" DUCT. BORE

162.00'

564.00'

DIRT

BORF

17" x 30" (ASPH)

17" x 30" (CONC)

17" x 30" (DIRT)

716'

1¼" PVC

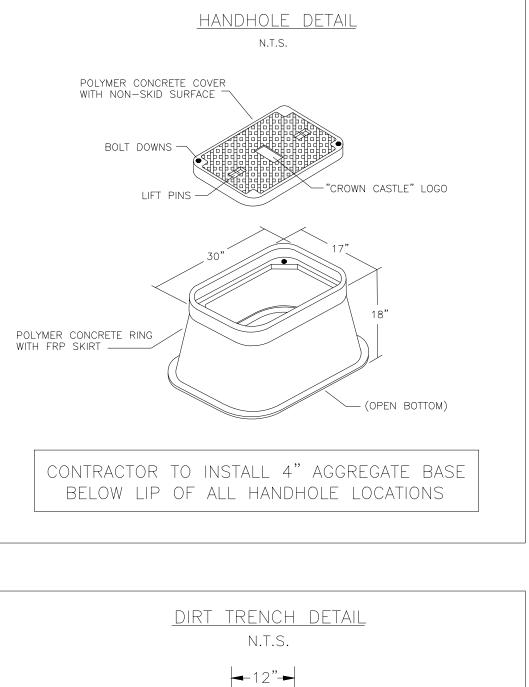
2" PVC

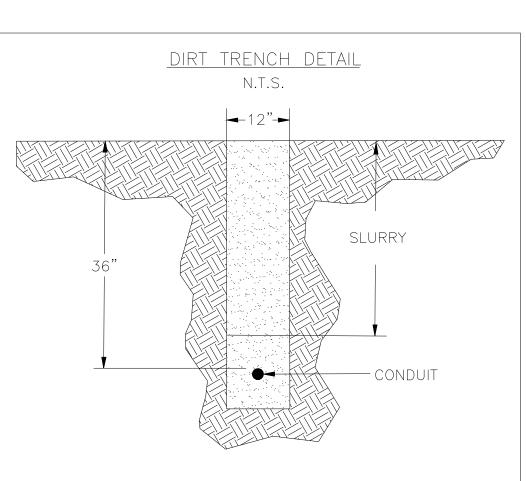
4" PVC

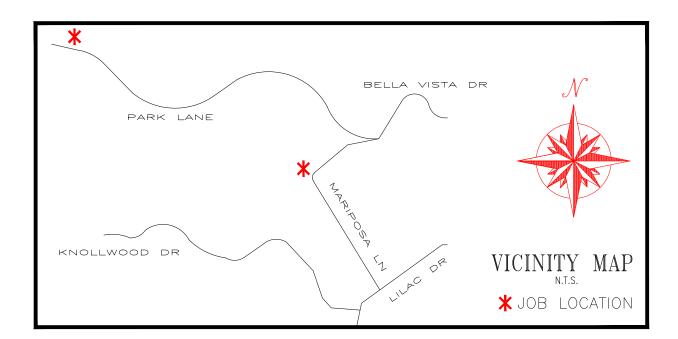
VAULTS

CONDUI

	LEGEND					IMPORTANT_NOTICE	PROJECT NUMBER:	REVISED	
SYMBOL DESCRIPTION	LINETYPE	DESCRIPTION	ABRV.	DESCRIPTION	<u>SCALE: 1" = 30'</u>	DIGALERT	VRZ210441CAMONUFL04		
CENTER LINE		PROPOSED CC/NG DUCT	SLC STR	REET LIGHT CONDUIT					W V CASTLE
P PROPERTY LINE		PROPOSED CC/NG BORE	E Ele	ECTRIC	30' 40' 60'		COUNTY OF SANTA BARBARA		SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE
R/W RIGHT OF WAY		CENTER LINE	T TEL	EPHONE	Engineered By :	Section 4216/4217 of the Government Code requires a Dig Alert Identification			DATE : 06/06/2013 CITY OF MONTECITO SHEET 03 OF 04
C/S/W CONCRETE SIDEWALK		RIGHT OF WAY	G GAS	5			THOMAS GUIDE :		LOCATION : PARK LANE & MARIPOSA LANE
PKWY PARKWAY	· · ·	PROPERTY LINE	SD STC	DRM DRAIN		For your Dig Alert I.D. Number call CALL TOLL FREE	CITY W.O. :		LOG # : - GRID # : 6075-1988 PROJECT # : VRZ210441CAMONUFL04
	- CONDUIT	EDGE OF PAVEMENT (EOP)	SS SAN	NTARY SEWER	Jon Schweers 4095 E. La Palma Ave., Ste. A	48 HOURS BEFORE YOU DIG	PERMIT NO. :		SYSTEM # : 130301-1 VERIZON - MONTECITO T.G.M. # : 987, C-7 ADDRESS # : 995 MARIPOSA LANE MONTECITO, CA 93108
DATA BLOCK DISTANCE		CABLE TV	W WAT	ſER	Jon Schweers 4095 E. La Palma Ave., Ste. A Ancheim, Ca. 92807 Jason Jimenez Business (714) 630-4053 Fax (714) 630-3052	UNDERGROUND SERVICE ALERT 1-800-227-2600	DATE :		TYPE OF DRAWING: SUBSTRUCTURES CROWN CASTLE NG FACILITY

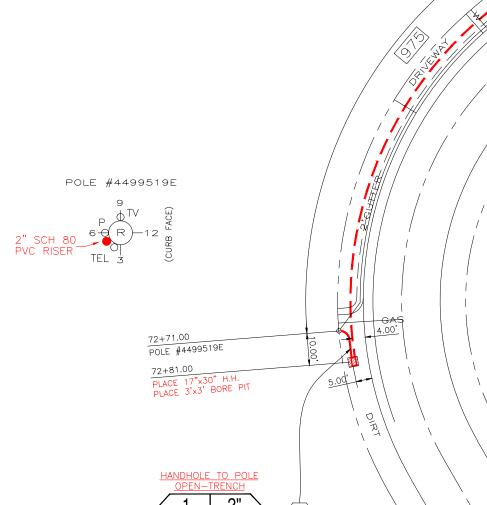






TOTAL CONSTRUCTION TOTALS: 367.00' OF PLACE FIBER CONDUIT

NOTE CONTRACTOR IS TO IDENTIFY ANY UNDERGROUND UTILITIES WITHIN THE VICINITY BEFORE CONSTRUCTION BEGINS.

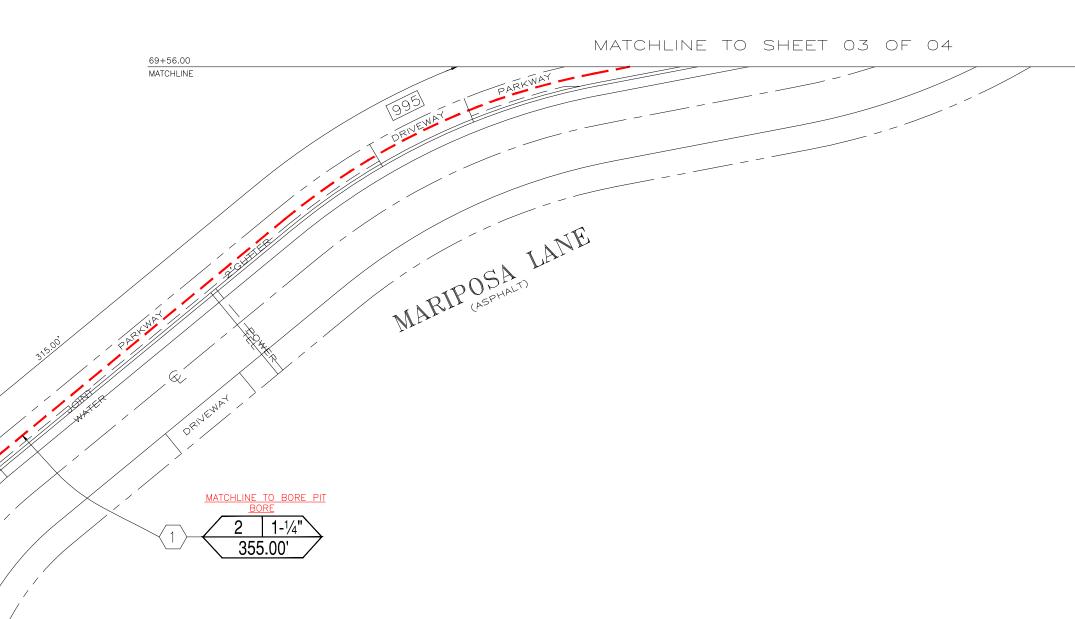


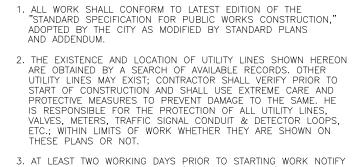


	TAL TRENCH F .stle ng only	<u>= 3</u>	<u>57.00'</u>		TRENCH	H DATA						LEGEND					IMPORTANT NOTICE	PROJECT NUMBER:	REVISED	$ \Lambda \land CROWN$
	BILL OF MA	TERIALS						SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	LINETYPE	DESCRIPTION	ABRV.	DESCRIPTION	<u>SCALE: 1" = 30'</u>	DIGALERT	VRZ210441CAMONUFL04		$\ / \ C \wedge C T I F$
	DESCRIPTION	QUA		(1) PL. 355.00' (2)-1¼" DUCT.				PROPOSED VAULT	С	CENTER LINE		PROPOSED CC/NG DUCT	SLC	STREET LIGHT CONDUIT					- W V $CASILE$
	17" x 30" (ASPH	1)		BORE					BORE PIT	R	PROPERTY LINE		PROPOSED CC/NG BORE	E	ELECTRIC	30* 40* 60*		COUNTY OF SANTA BARBARA		SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE
VAULTS	17" × 30" (CONC)			o" DUIOT			\oplus	UTILITY POLE	R/W	RIGHT OF WAY		CENTER LINE	Т	TELEPHONE	Engineered By :	Section 4216/4217 of the Government Co	le		DATE : 06/06/2013 CITY OF MONTECITO SHEET 04 OF 04
	17" × 30" (DIRT)			PL. 12.00' (1) <u>OPEN-TRENCH</u>	-2 DUCI.			\bigcirc	TREE/BUSH	C/S/W	CONCRETE SIDEWALK		RIGHT OF WAY	G	GAS		requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid.	SUB MAP NO. :		LOCATION : PARK LANE & MARIPOSA LANE
	1¼" PVC		55'					\otimes	WATER VALVE	PKWY	PARKWAY	· · _	PROPERTY LINE	SD	STORM DRAIN		For your Dig Alert I.D. Number call	CITY W.O. :		LOG # : - GRID # : 6075-1988 PROJECT # : VRZ210441CAMONUFL04
CONDUI	2" PVC		2'	DIRT	12.00'	CONCRETE	^,		FIRE HYDRANT	CONDUIT			EDGE OF PAVEMENT (EOP)	SS	SANITARY SEWER		48 HOURS BEFORE YOU DIG	PERMIT NO. :		SYSTEM # : 130301-1 VERIZON - MONTECITO T.G.M. # : 987, C-7 ADDRESS # : 995 MARIPOSA LANE VERIZON - MONTECITO, CA 93108
	4" PVC		·	BORE	12.00' 355.00'	ASPHALT	0'		STREET LIGHT	<u>DATA BLOCK</u>		TV	CABLE TV	W	WATER	Jon Schweers Jason Jimenez 4095 E. La Palma Ave., Ste. Anaheim, Ca. 9280 Business (714) 630–405 Fax (714) 630–405 Fax (714) 630–405	UNDERGROUND SERVICE ALEF 1-800-227-2600	T DATE :		TYPE OF DRAWING: SUBSTRUCTURES CROWN CASTLE NG FACILITY

CONSTRUCTION NOTES

- 5. ALL WORK AREA AND STREET TRAFFIC CONTROL SHALL BE PER "WATCH": (WORK AREA TRAFFIC CONTROL HANDBOOK) UNLESS NOTED OTHERWISE. 6. ALL PAVEMENTS, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED SHALL BE RECONSTRUCTED PER THE <u>COUNTY OF SANTA BARBARA</u> IMPROVEMENTS STANDARD.
- 7. PRIOR TO THE BEGINNING OF ANY EXCAVATION AND THROUGHOUT THE COURSE OF CONSTRUCTION WORK THE CONTRACTOR SHALL FULLY COMPLY WITH THE CALIFORNIA OCCUPATIONAL SAFFETY AND HEALTH ACT OF 1973 INCLUDING ALL REVISIONS AND AMENDMENTS
- THERETO. 8. THE CONTRACTOR SHALL HAVE COPIES OF THE PLANS ON THE PROJECT SITE AND BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS. F TOO DAMAGE TO EXISTING F TOO DAMAGE TO EXISTING A PADULS OF LESS THAN 50'. SCORE LINE. PLACE 2 SACK SLURRY MIX AROUND ALL CONDUIT BENDS HAVING A PADULS OF LESS THAN 50'. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING ABOVE OR BELOW GROUND IMPROVEMENTS, AS A RESULT OF HIS OPERATIONS, AND SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF SAME TO THE SATISFACTION OF THE CITY.
- 10. ALL BACKHOE EXCAVATION SHALL BE SAW CUT TO FACILITATE REMOVAL BY THE USE OF A POWER DRIVEN SAW. THE DEPTH OF CUT SHALL BE DEEP ENOUGH TO PRODUCE A CLEAN STRAIGHT
- REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER. BREAK. 11. TUNNEL ALL CURBS AND GUTTERS AND BORE ALL DRIVEWAYS AND WALKWAYS.
- 12. EXISTING PORTLAND CEMENT CONCRETE SHALL BE SAW CUT TO FACILITATE REMOVAL BY THE USE OF A POWER DRIVEN SAW. THE DEPTH OF CUT SHALL BE DEEP ENOUGH TO PRODUCE A CLEAN, STRAIGHT BREAK WITHOUT CRACKING, CHIPPING OR LOOSENING ADJOINING PCC. THE EXISTING PCC SHALL BE CUT BEYOND THE CONFIGURATION OF THE TRENCH OR EXCAVATION AREA AS MAY BE REQUIRED BY THE PUBLIC WORKS INSPECTOR TO ELIMINATE SMALL "FLOATING" PIECES OF CONCRETE, SUCH AS WHERE THE EXISTING PCC IS DAMAGED OR CRACKED. IN GENERAL, THE REPLACEMENT SHALL BE TO THE EXTENT THAT THERE ARE NO FLOATING PIECES OF PCC LEFT REMAINING WHICH ARE SMALLER THAN 9 SQUARE FEET IN AREA. IN ADDITION, THE SAW CUT LIMITS SHALL BE LOCATED NO CLOSER THAN 3 FEET FROM A SCORE LINE OR COLD JOINT, MIN. PCC REMOVAL IS 25 SQUARE FEET, SCORE LINE TO
- 14. ALL CONDUIT SHALL BE DB 120, UNLESS OTHERWISE SPECIFIED. ALL SWEEPS TO POLES SHALL BE SCHEDULE 80. REMOVE AND REPLACE CURB AND GUTTER ABOVE SWEEPS TO VAULTS IN THE SIDEWALK, OR BORE UNDER CURB AND GUTTER. JETTING IS <u>NOT</u> ALLOWED.
- 16. THE CONTRACTOR SHALL NOTIFY THE APPLICABLE DEPARTMENTS OF THE CITY AT LEAST TWO DAYS BEFORE START OF WORK. DURING THE COURSE OF WORK, THE CONTRACTOR SHALL CALL FOR INSPECTION OF ALL APPLICABLE WORK.
- 17. ALL SHRUBS, PLANTS, OR TREES THAT HAVE BEEN DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK SHALL BE REPLANTED OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION.
- 18. DURING THE COURSE OF THE WORK, PEDESTRIAN AND VEHICULAR ACCESS MUST BE MAINTAINED AT ALL TIMES.
- 19. NON-SKID CALTRANS APPROVED STEEL PLATES SHALL BE RECESSED IN TRENCH CROSSING MAJOR STREETS (AREA DESIGNATED BY CITY ENGINEER) AND INSTALLED PER CALTRANS SPECS. PAVEMENT SHALL BE COLD PLANED TO A DEPTH EQUAL TO THE THICKNESS OF THE PLATE AND TO A WIDTH AND LENGTH EQUAL TO THE DIMENSIONS OF THE PLATES.
- 20. STEEL PLATES USED FOR BRIDGING MUST EXTEND A MINIMUM OF 12" BEYOND EDGES OF TRENCH.
- 21. TEMPORARY PAVING WITH COLD MIX SHALL BE USED TO FEATHER THE EDGES OF THE PLATES TO MINIMIZE WHEEL IMPACT. CONTRACTOR MAY BE REQUIRED TO WELD PLATES TOGETHER TO MINIMIZE RATTLING. CONTRACTOR MAY BE REQUIRED TO SWEEP UP LOOSE GRAVEL SEVERAL TIMES PER DAY AS DEEMED NECESSARY BY CITY ENGINEER.
 21. TEMPORARY PAVING USING COLD MIX A.C. IS ACCEPTABLE AFTER ALLOWING 72 HOURS OF CURE TIME ON SLURRY MIX BACKFILL.
 22. TEMPORARY PAVING USING COLD MIX A.C. IS ACCEPTABLE AFTER ALLOWING 72 HOURS OF CURE TIME ON SLURRY MIX BACKFILL.
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 24. TEMPORARY PAVING USING COLD MIX A.C. IS ACCEPTABLE AFTER ALLOWING 72 HOURS OF CURE TIME ON SLURRY MIX BACKFILL.
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- 22. BRIDGING SHALL BE SECURED AGAINST DISPLACEMENT USING ADJUSTABLE CLEATS, SHIMS OR OTHER DEVICES.
- 23. RESTORE ALL LANDSCAPING, INCLUDING IRRIGATION SYSTEM AROUND





AND ADDENDUM.

THESE PLANS OR NOT.

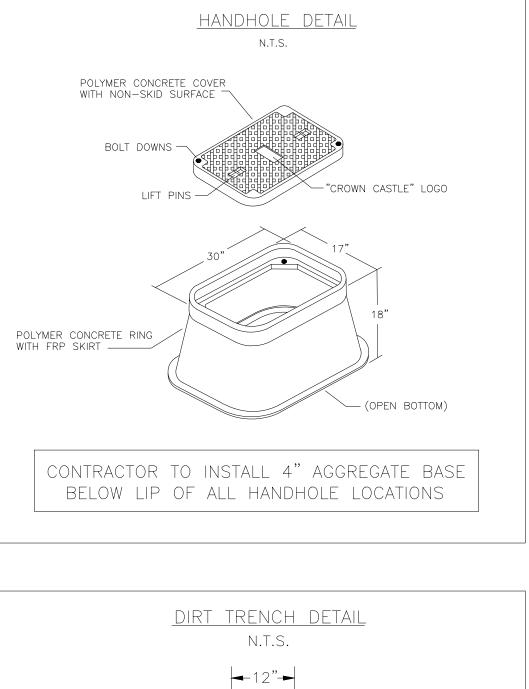
UNDERGROUND SERVICE ALERT (1-800-422-4133).

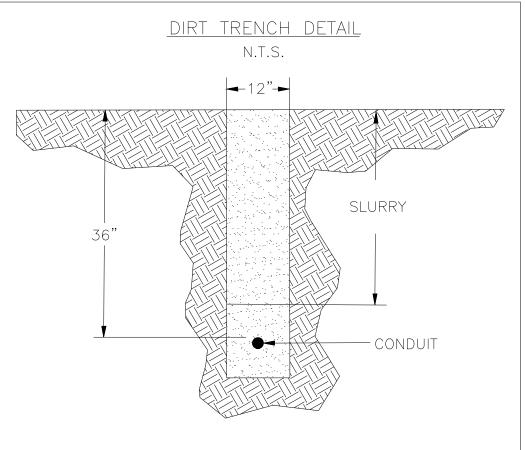
4. INDEMNIFICATION CLAUSE- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTIONS OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, BEAL OR AUFCED IN CONNECTION WITH THE DEPENDENTION.

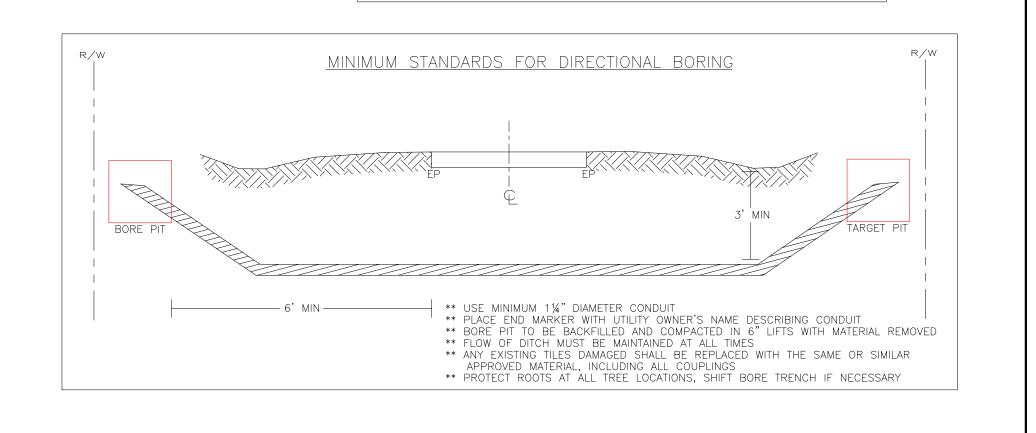
24. VAULT SHALL BE INSTALLED WITHIN THE RIGHT-OF WAY.

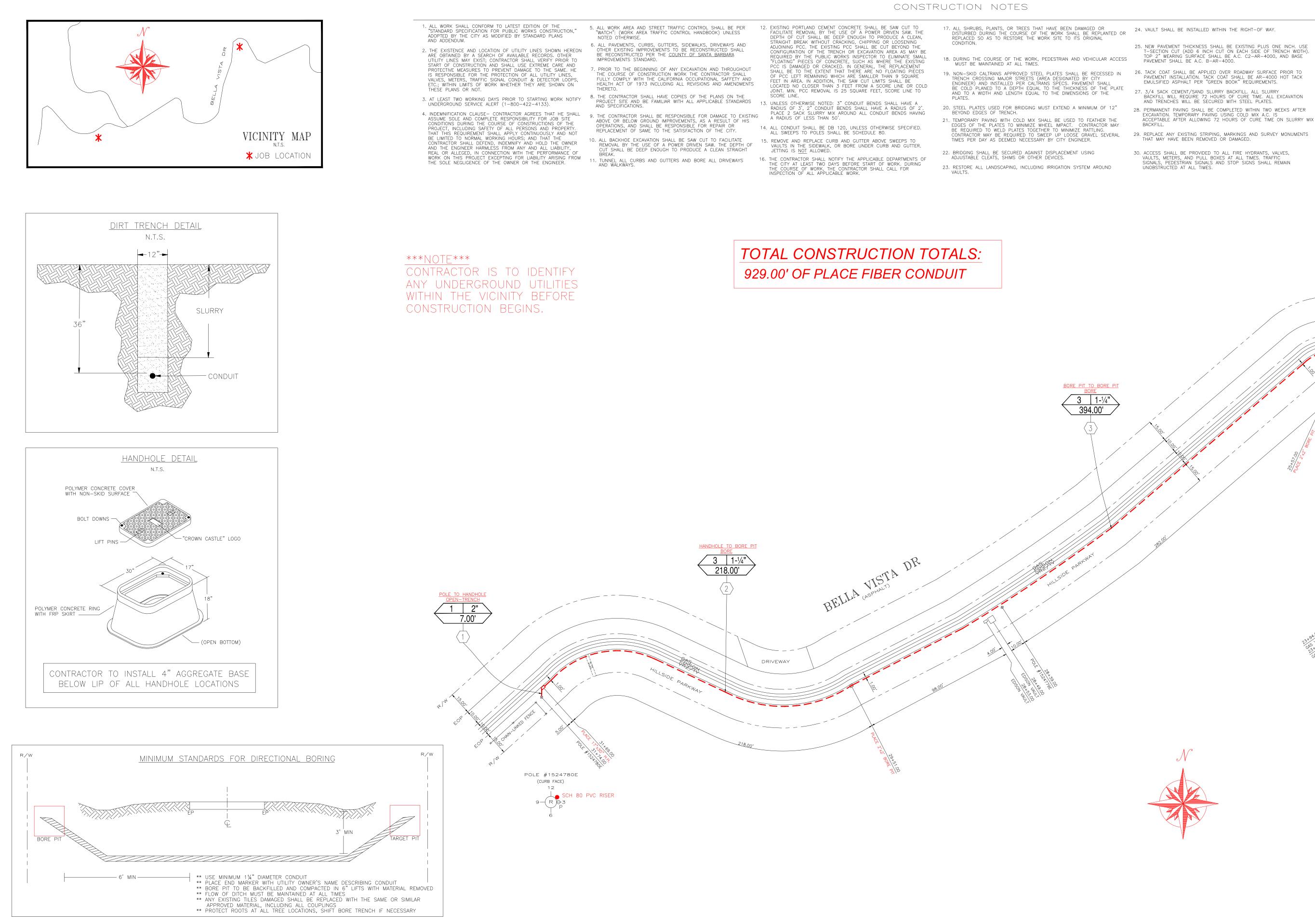
- 25. NEW PAVEMENT THICKNESS SHALL BE EXISTING PLUS ONE INCH. USE T-SECTION CUT (ADD 6 INCH CUT ON EACH SIDE OF TRENCH WIDTH). TOP 2" WEARING SURFACE SHALL BE A.C. C2-AR-4000, AND BASE PAVEMENT SHALL BE A.C. B-AR-4000.
- 26. TACK COAT SHALL BE APPLIED OVER ROADWAY SURFACE PRIOR TO PAVEMENT INSTALLATION. TACK COAT SHALL BE AR-4000 HOT TACK EMULSIFIED ASPHALT PER "GREEN BOOK" REQUIREMENTS.
- 27. 3/4 SACK CEMENT/SAND SLURRY BACKFILL, ALL SLURRY BACKFILL WILL REQUIRE 72 HOURS OF CURE TIME. ALL EXCAVATION AND TRENCHES WILL BE SECURED WITH STEEL PLATES. 28. PERMANENT PAVING SHALL BE COMPLETED WITHIN TWO WEEKS AFTER EXCAVATION. TEMPORARY PAVING USING COLD MIX A.C. IS ACCEPTABLE AFTER ALLOWING 72 HOURS OF CURE TIME ON SLURRY MIX
- 30. ACCESS SHALL BE PROVIDED TO ALL FIRE HYDRANTS, VALVES, VAULTS, METERS, AND PULL BOXES AT ALL TIMES. TRAFFIC SIGNALS, PEDESTRIAN SIGNALS AND STOP SIGNS SHALL REMAIN UNOBSTRUCTED AT ALL TIMES.

- 31. SEE ADDITIONAL NOTES ON THE EXCAVATION PERMIT.
- 32. HANDHOLES, VAULT OR SUBSURFACE EQUIPMENT ENCLOSURES SHALL BE MARKED AS TO OWNERSHIP TO FACILITATE IDENTIFICATION BY PERSONS AUTHORIZED BY TO WORK THEREIN AND BY OTHER PERSONS PERFORMING WORK IN THEIR VICINITY.
- 33. MANHOLES AND HANDHOLES, WHILE NOT BEING WORKED IN SHALL BE SECURELY CLOSED BY COVERS OF SUFFICIENT STRENGTH TO SUSTAIN SUCH LOADS AS MAY REASONABLY BE IMPOSED UPON THEM, AND ARRANGEMENT SHALL BE SUCH THAT A TOOL OR APPLIANCE SHALL BE REQUIRED FOR THEIR OPENING AND COVER REMOVAL.
- 34. ALL VAULT AND MANHOLES SHALL CONFORM TO APPLICABLE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS (A.A.S.H.O.) STANDARD SPECIFICATIONS H20-S16-44 FOR HIGHWAY BRIDGES, LATEST REVISION, RELATING TO DEAD LOADS LIVE LOADS, AND IMPACT LOADS, ADDITIONALLY, LOADS, DUE TO A GROUND WATER TABLE OF THREE (3) FEET FROM FINISHED GRADE AND A SURCHARGE OF (2) FEET SHALL BE APPLIED IN CALCULATING DESIGN LOADS.
- 35. MAINTAIN 12" CLEARANCE BETWEEN NEW CONDUIT AND ALL OTHER UTILITES.









TOTAL crown castle	TRENCH FOOTA Ng only =	<u>\GE</u> <u>929.00'</u>		TRENCI	H DATA				-	LEGEND	-				IMPORTANT NOTICE	PROJECT NUMBER:	REVISED	$\land \land CROWN$
BIL	L OF MATERIAL description	QUANTITY	(1) PL. 7.00' (1)		(3) PL. 394.00' (3)-1¼" DUCT.	SYMBOL	DESCRIPTION	SYMBOL C	DESCRIPTION CENTER LINE	LINETYPE	DESCRIPTION PROPOSED CC/NG DUCT	ABRV.	DESCRIPTION STREET LIGHT CONDUIT	<u>SCALE: 1" = 30'</u>	DIGALERT	VRZ210441CAMONUFL05		V V CASTLE
	17" x 30" (ASPH)	0	<u>OPEN-TRENC</u>	<u>`H</u>	BORE		BORE PIT	R R	PROPERTY LINE		PROPOSED CC/NG BORE	E	ELECTRIC	30' 40' 60'		COUNTY OF SANTA BARBARA		SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE
	24" × 36" (DIRT) 17" × 30" (DIRT)	0		(3)-1¼" DUCT.	$\langle 4 \rangle$ PL. 310.00' (3)-1¼" DUCT.	 (⊙)	UTILITY POLE TREE/BUSH	R/W C/S/W	RIGHT OF WAY CONCRETE SIDEWALK		CENTER LINE RIGHT OF WAY	T G	TELEPHONE GAS	Engineered By :	Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a	SUB MAP NO. :		DATE : 09/17/2013 CITY OF MONTECITO SHEET 01 OF 02 LOCATION : BELLA VISTA DRIVE, 1500' WEST OF ROMERO CANYON ROAD
	4" PVC	922'	<u>BORE</u>		BORE	 ⊗	WATER VALVE	PKWY		· · ·	PROPERTY LINE	SD	STORM DRAIN		Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number call CALL TOLL FREE	CITY W.O. :		LOG # : - GRID # : 6078-1988 PROJECT # : VRZ210441CAMONUFL05
	"PVC	7' 0'	DIRT	7.00' 922.00'	CONCRETE O' ASPHALT O'		FIRE HYDRANT STREET LIGHT	<u>CONDUIT</u> DATA BLOC	CONDUIT CT. K DISTANCE		CURB CABLE TV	SS W	SANITARY SEWER	Jon Schweers Jason Jimenez 4095 E. La Palma Ave., Ste. A Anaheim, Ca. 92807 Business (714) 630–4053 Fax (714) 630–3052	48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALER 1-800-227-2600	PERMIT NO. : DATE :		SYSTEM # : 130301-1 T.G.M. # : 987, D-7 ADDRESS # : 2303 BELLA VISTA DRIVE VERIZON - MONTECITO T.G.M. # : 987, D-7 ADDRESS # : 2303 BELLA VISTA DRIVE TYPE OF DRAWING: SUBSTRUCTURES CROWN CASTLE NG

- 18. DURING THE COURSE OF THE WORK, PEDESTRIAN AND VEHICULAR ACCESS

24. VAULT SHALL BE INSTALLED WITHIN THE RIGHT-OF WAY.

26.

25. NEW PAVEMENT THICKNESS SHALL BE EXISTING PLUS ONE INCH. USE T-SECTION CUT (ADD 6 INCH CUT ON EACH SIDE OF TRENCH WIDTH). TOP 2" WEARING SURFACE SHALL BE A.C. C2-AR-4000, AND BASE PAVEMENT SHALL BE A.C. B-AR-4000.

3. TACK COAT SHALL BE APPLIED OVER ROADWAY SURFACE PRIOR TO PAVEMENT INSTALLATION. TACK COAT SHALL BE AR-4000 HOT TACK

27. 3/4 SACK CEMENT/SAND SLURRY BACKFILL, ALL SLURRY BACKFILL WILL REQUIRE 72 HOURS OF CURE TIME. ALL EXCAVATION AND TRENCHES WILL BE SECURED WITH STEEL PLATES.

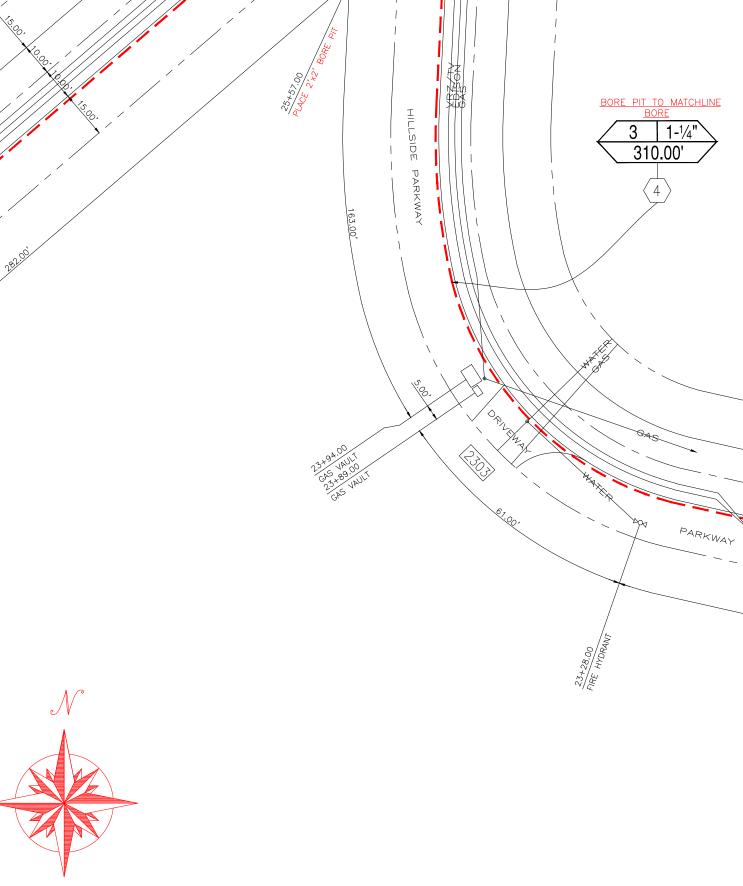
28. PERMANENT PAVING SHALL BE COMPLETED WITHIN TWO WEEKS AFTER EXCAVATION. TEMPORARY PAVING USING COLD MIX A.C. IS

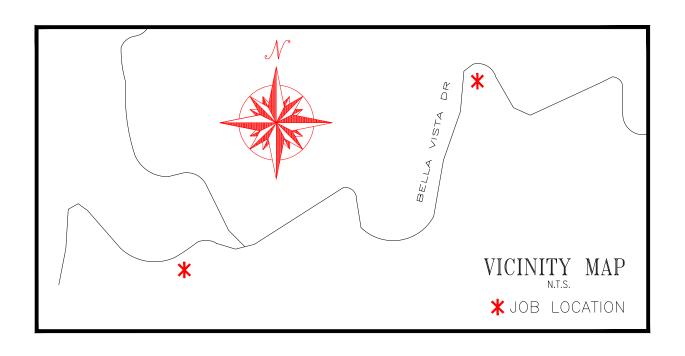
ACCEPTABLE AFTER ALLOWING 72 HOURS OF CURE TIME ON SLURRY MIX

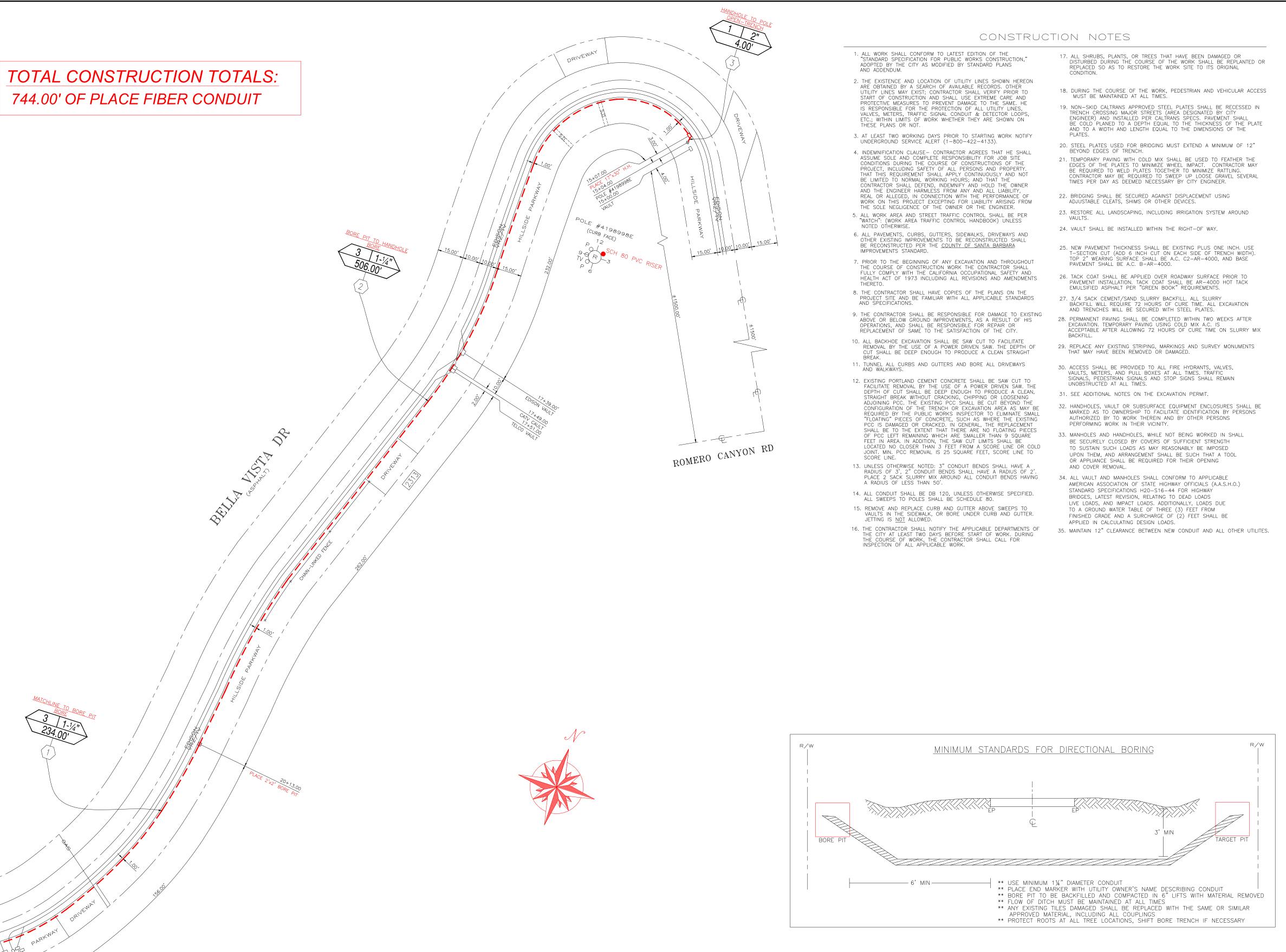
EMULSIFIED ASPHALT PER "GREEN BOOK" REQUIREMENTS.

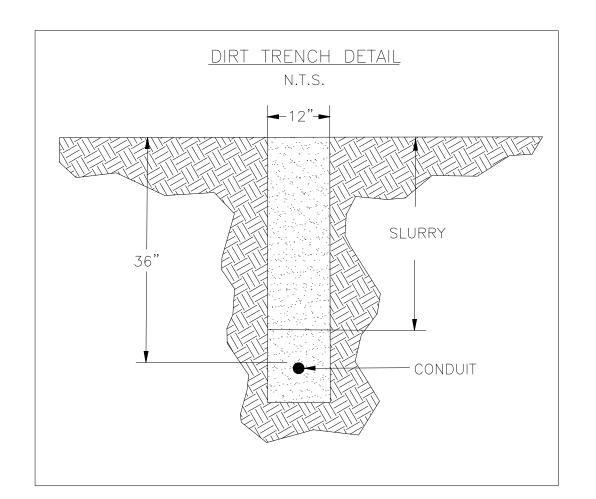
30. ACCESS SHALL BE PROVIDED TO ALL FIRE HYDRANTS, VALVES, VAULTS, METERS, AND PULL BOXES AT ALL TIMES. TRAFFIC SIGNALS, PEDESTRIAN SIGNALS AND STOP SIGNS SHALL REMAIN UNOBSTRUCTED AT ALL TIMES.

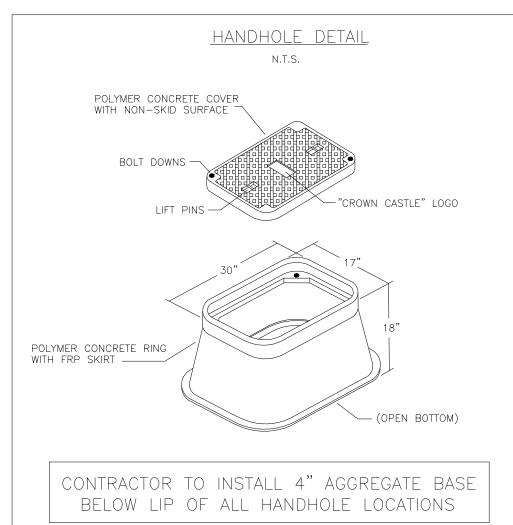
- 31. SEE ADDITIONAL NOTES ON THE EXCAVATION PERMIT.
- 32. HANDHOLES, VAULT OR SUBSURFACE EQUIPMENT ENCLOSURES SHALL BE MARKED AS TO OWNERSHIP TO FACILITATE IDENTIFICATION BY PERSONS AUTHORIZED BY TO WORK THEREIN AND BY OTHER PERSONS PERFORMING WORK IN THEIR VICINITY.
 - 33. MANHOLES AND HANDHOLES, WHILE NOT BEING WORKED IN SHALL BE SECURELY CLOSED BY COVERS OF SUFFICIENT STRENGTH TO SUSTAIN SUCH LOADS AS MAY REASONABLY BE IMPOSED UPON THEM, AND ARRANGEMENT SHALL BE SUCH THAT A TOOL OR APPLIANCE SHALL BE REQUIRED FOR THEIR OPENING AND COVER REMOVAL.
 - 34. ALL VAULT AND MANHOLES SHALL CONFORM TO APPLICABLE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS (A.A.S.H.O.) STANDARD SPECIFICATIONS H20-S16-44 FOR HIGHWAY BRIDGES, LATEST REVISION, RELATING TO DEAD LOADS LIVE LOADS, AND IMPACT LOADS, ADDITIONALLY, LOADS DUE TO A GROUND WATER TABLE OF THREE (3) FEET FROM FINISHED GRADE AND A SURCHARGE OF (2) FEET SHALL BE APPLIED IN CALCULATING DESIGN LOADS.
 - 35. MAINTAIN 12" CLEARANCE BETWEEN NEW CONDUIT AND ALL OTHER UTILITES.







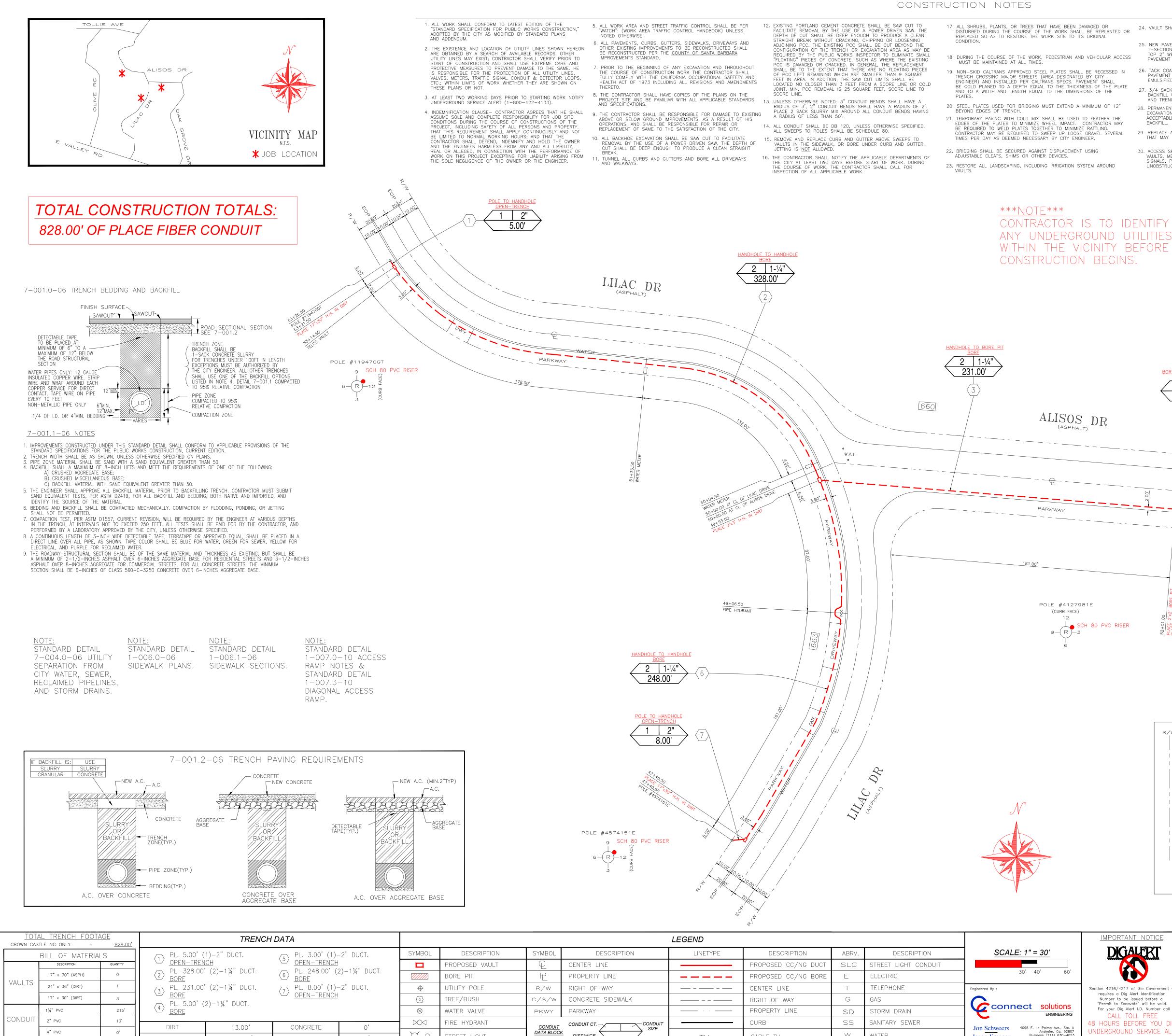




NOTE CONTRACTOR IS TO IDENTIFY ANY UNDERGROUND UTILITIES WITHIN THE VICINITY BEFORE CONSTRUCTION BEGINS.

					√\\$		Elotic									
	DTAL_TRENCH_FOOTA castle ng only =	<u>AGE</u> <u>744.00'</u>		TRENCH	DATA				LEGEND					IMPORTANT NOTICE	PROJECT NUMBER:	
	BILL OF MATERIA	_S		(7) $(1/2)$ plant			YMBOL DESCRIPTION	SYMBOL DESCRIPTION	LINETYPE	DESCRIPTION	ABRV.	DESCRIPTION	<u>SCALE: 1" = 30'</u>	DIGALERT	VRZ210441CAMONUFL05	
	DESCRIPTION	QUANTITY	1 PL. 234.00 <u>BORE</u>	(3)-1¼" DUCT.		21.	PROPOSED VAULT	CENTER LINE		PROPOSED CC/NG DUCT	SLC	STREET LIGHT CONDUIT				W CASILE
	17" x 30" (ASPH)	0	borke			Ē	BORE PIT	PROPERTY LINE		PROPOSED CC/NG BORE	E	ELECTRIC	30, 40, 60,		COUNTY OF SANTA BARBARA	SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE
VAULI	24" × 36" (DIRT)	0	PL. 506.00' (3)-1¼" DUCT.			R/W RIGHT OF WAY		CENTER LINE	Т	TELEPHONE	Engineered By :	Section 4216/4217 of the Government Code		DATE : 09/17/2013 CITY OF MONTECITO SHEET 02 OF		
	17" × 30" (DIRT)	1	2 PL. 506.00 <u>BORE</u>	(3)—1¼ DUCI.			(i) TREE/BUSH	C/S/W CONCRETE SIDEWALK		RIGHT OF WAY	G	GAS		requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid.	SUB MAP NO. :	LOCATION : BELLA VISTA DRIVE, 1500' WEST OF ROMERO CANYON ROAD
	1¼" PVC	740'					⊗ WATER VALVE	PKWY PARKWAY	· · ·	PROPERTY LINE	SD	STORM DRAIN		For your Dig Alert I.D. Number call CALL TOLL FREE	CITY W.O. :	LOG # : - GRID # : 6078-1988 PROJECT # : VRZ210441CAMONUFL05
CONDU	1T 2" PVC	4'		4.00'	CONORETE		FIRE HYDRANT			CURB	SS	SANITARY SEWER		48 HOURS BEFORE YOU DIG	PERMIT NO. :	SYSTEM # : 130301-1 T.G.M. # : 987, D-7 ADDRESS # : MONTECITO, CA 93108
	4" PVC	0'	BORE	4.00' 740.00'	CONCRETE ASPHALT	0'	-O STREET LIGHT	DATA BLOCK DISTANCE	SIZE TV	CABLE TV	W	WATER	Jon Schweers 4095 E. La Palma Ave., Ste. A Jason Jimenez Anaheim, Ca. 92807 Business (714) 630-4053 Fax (714) 630-3052	UNDERGROUND SERVICE ALERT 1-800-227-2600	DATE :	TYPE OF DRAWING: SUBSTRUCTURES CROWN CASTLE NG FACILITY





 $\nabla - 0$

215.00'

ASPHALT

BORF

STREET LIGHT

4" PVC

	POLE TO HANG OPEN-TREN 1 2 8.00	СН 2"7 7 У Оррг	3 00. 3		A Contraction of the second se			ORE PIT	ARDS FOR DIRECTIONAL BORING
			R						
		LEGEND	2-1-				IMPORTANT NOTICE	PROJECT NUMBER:	REVISED
OL	DESCRIPTION	LEGEND LINETYPE	e ^l DESCRIPTION	ABRV.	DESCRIPTION	<u>SCALE: 1" = 30'</u>	IMPORTANT NOTICE		
BOL	DESCRIPTION CENTER LINE		PROPOSED CC/NG DUCT	SLC	STREET LIGHT CONDUIT	<u>SCALE: 1" = 30'</u> 30' 40' 60'		PROJECT NUMBER: VRZ210441CAMONUFL06	CASTLE
30L	DESCRIPTION CENTER LINE PROPERTY LINE		PROPOSED CC/NG DUCT PROPOSED CC/NG BORE	SLC E	STREET LIGHT CONDUIT	30' 40' 60'	DIGALERT		SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE
	DESCRIPTION CENTER LINE PROPERTY LINE RIGHT OF WAY		PROPOSED CC/NG DUCT PROPOSED CC/NG BORE CENTER LINE	SLC E T	STREET LIGHT CONDUIT ELECTRIC TELEPHONE		Section 4216/4217 of the Government Code requires a Dig Alert Identification	VRZ210441CAMONUFL06 county of santa barbara SUB MAP NO. :	SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE DATE : 08/29/2013 CITY OF MONTECITO SHEET 01 OF 01
	DESCRIPTION CENTER LINE PROPERTY LINE RIGHT OF WAY CONCRETE SIDEWALK		PROPOSED CC/NG DUCT PROPOSED CC/NG BORE CENTER LINE RIGHT OF WAY	SLC E T G	STREET LIGHT CONDUIT ELECTRIC TELEPHONE GAS	30' 40' 60' Engineered By :	Section 4216/4217 of the Government Code requires a Dig Alert Identification	VRZ210441CAMONUFL06 <u>county of santa barbara</u> SUB MAP NO. : THOMAS GUIDE :997, C-1	SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE DATE : 08/29/2013 CITY OF MONTECITO SHEET 01 OF 01 LOCATION : LILAC DRIVE & ALISOS DRIVE
/Y	DESCRIPTION CENTER LINE PROPERTY LINE RIGHT OF WAY CONCRETE SIDEWALK PARKWAY		PROPOSED CC/NG DUCT PROPOSED CC/NG BORE CENTER LINE RIGHT OF WAY PROPERTY LINE	SLC E T G SD	STREET LIGHT CONDUIT ELECTRIC TELEPHONE GAS STORM DRAIN	30' 40' 60'	Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavote" will be valid. For your Dig Alert I.D. Number call CALL TOLL FREE	VRZ210441CAMONUFL06 <u>county of santa barbara</u> SUB MAP NO. : THOMAS GUIDE : GITY W.O. :	SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE DATE : 08/29/2013 CITY OF MONTECITO SHEET 01 OF 01 LOCATION : LILAC DRIVE & ALISOS DRIVE LOG # : - GRID # : 6075-1986 PROJECT # : VRZ210441CAMONUFL06
יץ זועמו	DESCRIPTION CENTER LINE PROPERTY LINE RIGHT OF WAY CONCRETE SIDEWALK		PROPOSED CC/NG DUCT PROPOSED CC/NG BORE CENTER LINE RIGHT OF WAY	SLC E T G	STREET LIGHT CONDUIT ELECTRIC TELEPHONE GAS	Engineered By :	Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number call	VRZ210441CAMONUFL06 county of santa barbara SUB MAP NO. : THOMAS GUIDE :	SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE DATE : 08/29/2013 CITY OF MONTECITO SHEET 01 OF 01 LOCATION : LILAC DRIVE & ALISOS DRIVE

BOLT DOWNS -LIFT PINS POLYMER CONCRETE RING WITH FRP SKIRT BORE PIT TO HANDHOLE 5.00' TR/V - EOP - EOP (5)

<u>e to handho</u> Open—trench

POLYMER CONCRETE COVER WITH NON-SKID SURFACE - "CROWN CASTLE" LOGO - (OPEN BOTTOM) CONTRACTOR TO INSTALL 4" AGGREGATE BASE BELOW LIP OF ALL HANDHOLE LOCATIONS DIRT TRENCH DETAIL N.T.S.

⊸12"**→**

`●<--

SLURRY

----- CONDUIT

- BACKFILL. 29. REPLACE ANY EXISTING STRIPING, MARKINGS AND SURVEY MONUMENTS THAT MAY HAVE BEEN REMOVED OR DAMAGED. 30. ACCESS SHALL BE PROVIDED TO ALL FIRE HYDRANTS, VALVES, VAULTS, METERS, AND PULL BOXES AT ALL TIMES. TRAFFIC SIGNALS, PEDESTRIAN SIGNALS AND STOP SIGNS SHALL REMAIN UNOBSTRUCTED AT ALL TIMES.
- 27. 3/4 SACK CEMENT/SAND SLURRY BACKFILL. ALL SLURRY BACKFILL WILL REQUIRE 72 HOURS OF CURE TIME. ALL EXCAVATION AND TRENCHES WILL BE SECURED WITH STEEL PLATES. 28. PERMANENT PAVING SHALL BE COMPLETED WITHIN TWO WEEKS AFTER EXCAVATION. TEMPORARY PAVING USING COLD MIX A.C. IS ACCEPTABLE AFTER ALLOWING 72 HOURS OF CURE TIME ON SLURRY MIX
- EMULSIFIED ASPHALT PER "GREEN BOOK" REQUIREMENTS.
- 25. NEW PAVEMENT THICKNESS SHALL BE EXISTING PLUS ONE INCH. USE T-SECTION CUT (ADD 6 INCH CUT ON EACH SIDE OF TRENCH WIDTH). TOP 2" WEARING SURFACE SHALL BE A.C. C2-AR-4000, AND BASE PAVEMENT SHALL BE A.C. B-AR-4000.

24. VAULT SHALL BE INSTALLED WITHIN THE RIGHT-OF WAY.

- . TACK COAT SHALL BE APPLIED OVER ROADWAY SURFACE PRIOR TO PAVEMENT INSTALLATION. TACK COAT SHALL BE AR-4000 HOT TACK

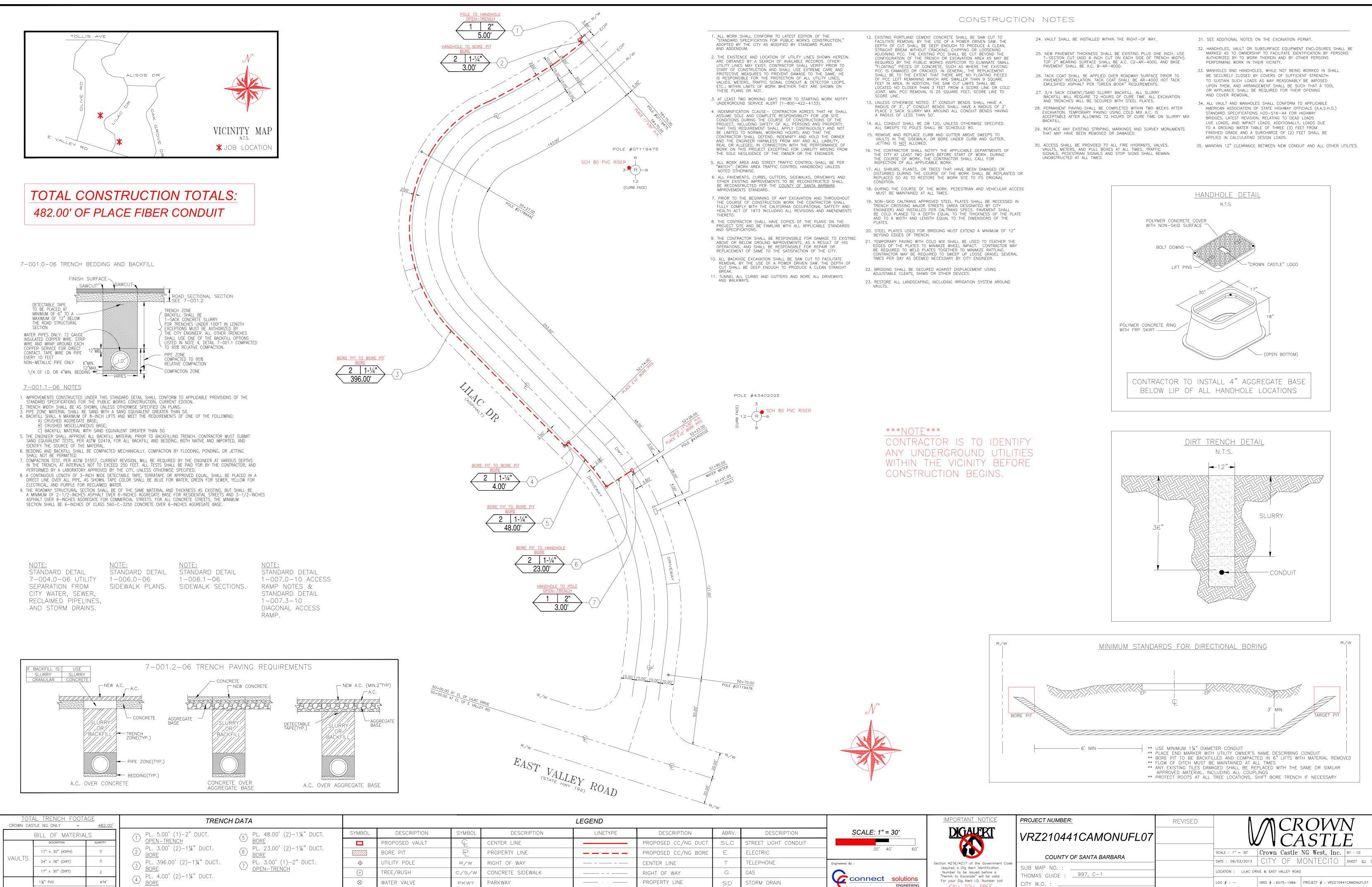
- 32. HANDHOLES, VAULT OR SUBSURFACE EQUIPMENT ENCLOSURES SHALL BE MARKED AS TO OWNERSHIP TO FACILITATE IDENTIFICATION BY PERSONS AUTHORIZED BY TO WORK THEREIN AND BY OTHER PERSONS PERFORMING WORK IN THEIR VICINITY. 33. MANHOLES AND HANDHOLES, WHILE NOT BEING WORKED IN SHALL BE SECURELY CLOSED BY COVERS OF SUFFICIENT STRENGTH TO SUSTAIN SUCH LOADS AS MAY REASONABLY BE IMPOSED

31. SEE ADDITIONAL NOTES ON THE EXCAVATION PERMIT.

- UPON THEM, AND ARRANGEMENT SHALL BE SUCH THAT A TOOL OR APPLIANCE SHALL BE REQUIRED FOR THEIR OPENING AND COVER REMOVAL.
- 34. ALL VAULT AND MANHOLES SHALL CONFORM TO APPLICABLE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS (A.A.S.H.O.) STANDARD SPECIFICATIONS H20-S16-44 FOR HIGHWAY BRIDGES, LATEST REVISION, RELATING TO DEAD LOADS LIVE LOADS AND IMPACT LOADS ADDITIONALLY LOADS DUE TO A GROUND WATER TABLE OF THREE (3) FEET FROM FINISHED GRADE AND A SURCHARGE OF (2) FEET SHALL BE APPLIED IN CALCULATING DESIGN LOADS.
- 35. MAINTAIN 12" CLEARANCE BETWEEN NEW CONDUIT AND ALL OTHER UTILITES.

HANDHOLE DETAIL

N.T.S.



CONDUI

2" PVC

4" PVC

8'

DIRT

BORF

8.00'

474.00'

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 $\sim - 0$

0'

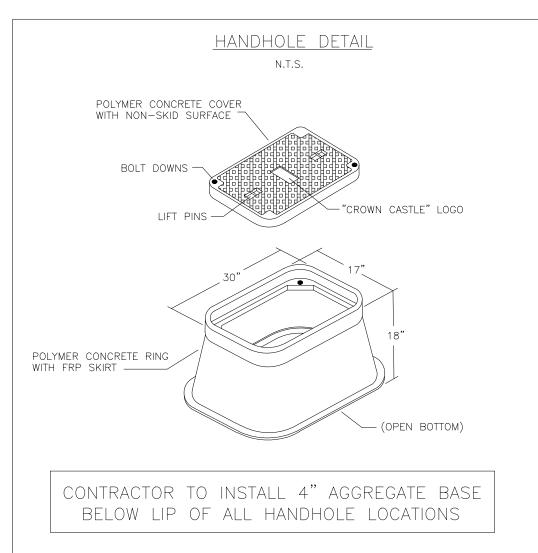
CONCRETE

ASPHALT

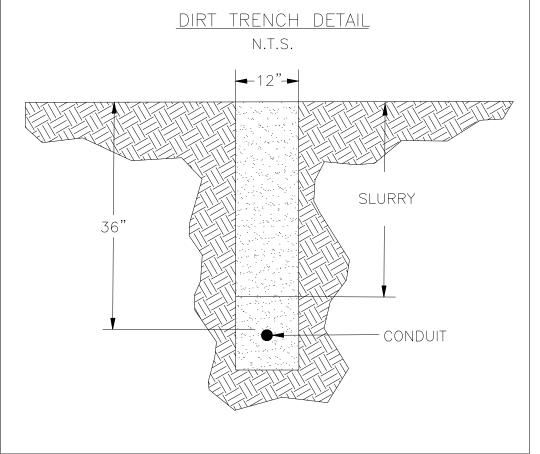
FIRE HYDRANT

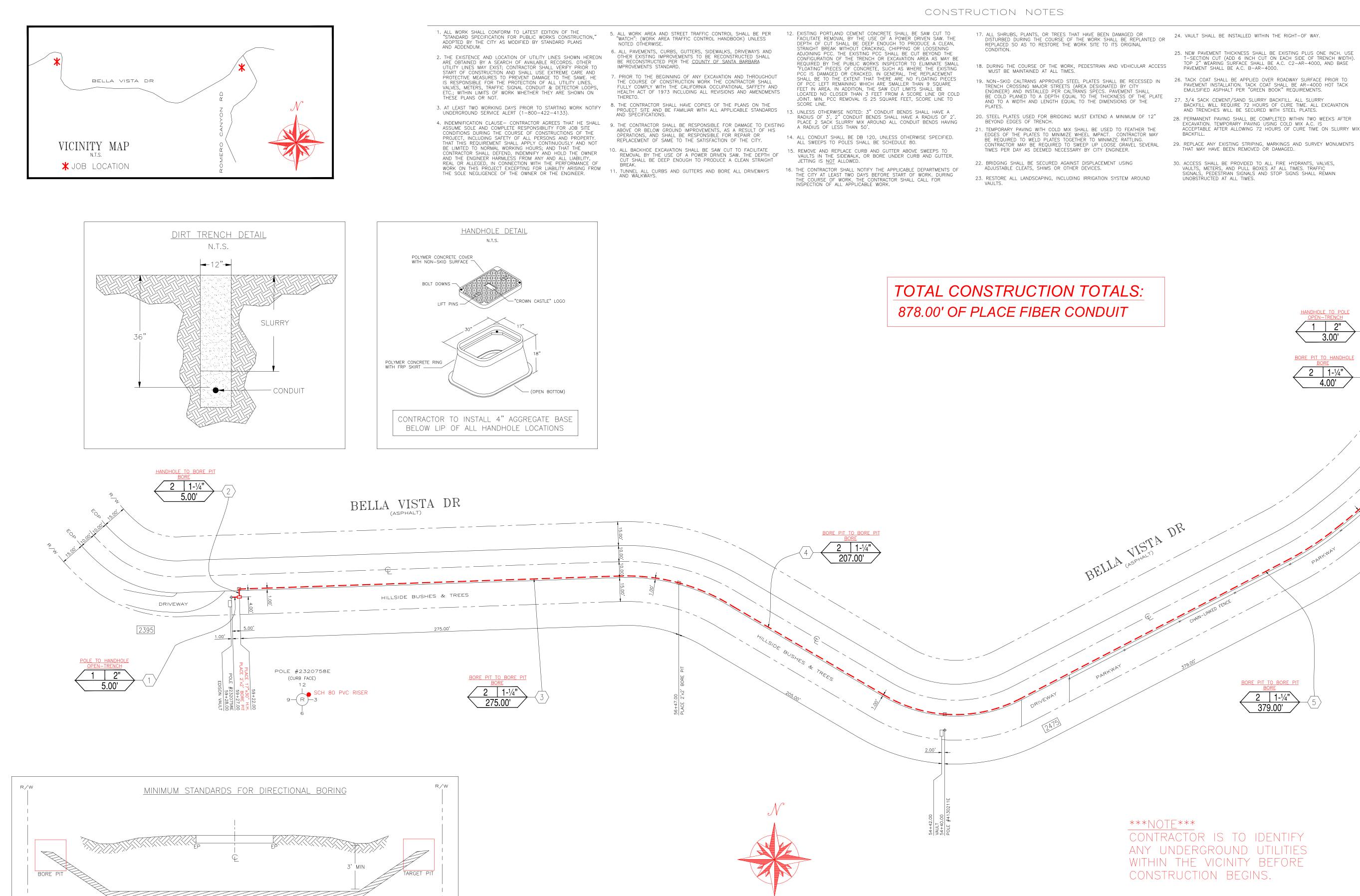
STREET LIGHT

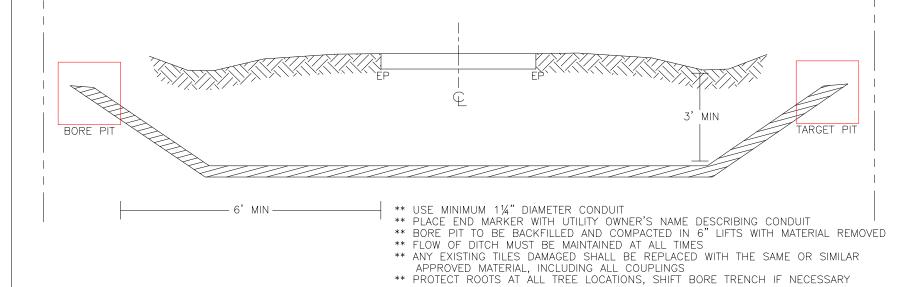
			-	Ŵ						
		LEGEND						PROJECT NUMBER:	REVISED	$\wedge \land CROWN$
SYMBOL	DESCRIPTION	LINETYPE	DESCRIPTION	ABRV.	DESCRIPTION	<u>SCALE: 1" = 30'</u>	DIGALERT	VRZ210441CAMONUFL07		
Ę	CENTER LINE		PROPOSED CC/NG DUCT	SLC	STREET LIGHT CONDUIT	30' 40' 60'				
P	PROPERTY LINE		PROPOSED CC/NG BORE	E	ELECTRIC	50 40 60		COUNTY OF SANTA BARBARA		SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE
R/W	RIGHT OF WAY		CENTER LINE	Т	TELEPHONE	Engineered By :	Section 4216/4217 of the Government Code requires a Dig Alert Identification	SUB MAP NO. :		DATE : 09/03/2013 CITY OF MONTECITO SHEET 01 OF 01
C/S/W	CONCRETE SIDEWALK		RIGHT OF WAY	G	GAS		Number to be issued before a "Permit to Excavate" will be valid.	THOMAS GUIDE :997, C-1		LOCATION : LILAC DRIVE & EAST VALLEY ROAD
PKWY	PARKWAY	· · ·	PROPERTY LINE	SD	STORM DRAIN		For your Dig Alert I.D. Number call CALL TOLL FREE	CITY W.O. :		LOG # : - GRID # : 6075-1984 PROJECT # : VRZ210441CAMONUFL07
<u>CONDUIT</u> DATA BLOCK	CONDUIT CT.		CURB	SS	SANITARY SEWER	Jon Schweers 4095 E. La Palma Ave., Ste. A	48 HOURS BEFORE YOU DIG	PERMIT NO. :		SYSTEM # : 130301-1 VERIZON - MONTECITO T.G.M. # : 997, C-1 ADDRESS # : 620 LILAC DRIVE MONTECITO, CA 93108
DATA BLOCK		TV	CABLE TV	W	WATER	Jon Schweers 4095 E. Lo Polmo Ave., Ste. A Anaheim, Ca. 92807 Jason Jimenez Business (714) 630–4053 Fax (714) 630–3052	UNDERGROUND SERVICE ALERT 1-800-227-2600	DATE :		TYPE OF DRAWING: SUBSTRUCTURES CROWN CASTLE NG FACILITY











TOTAL TRENCH FOOTAGE TRENCH DATA CROWN CASTLE NG ONLY = <u>878.00</u> (5) PL. 379.00' (2)-1¼" DUCT. BORF $(1) \begin{array}{c} PL. 5.00' (1)-2" \text{ DUCT.} \\ \underline{OPEN-TRENCH} \end{array}$ DESCRIPTION SYMBOL SYMBOL BILL OF MATERIALS <u>BORE</u> DESCRIPTION ROPOSED VAULT 6 PL. 4.00' (2)-1¼" DUCT. <u>BORE</u> ⟨2⟩ PL. 5.00' (2)−1¼" DUCT. BORE 17" × 30" (ASPH) BORE PIT VAULTS ⟨7⟩ PL. 3.00' (1)−2" DUCT. <u>OPEN−TRENCH</u> 24" × 36" (DIRT) JTILITY POLE R/W \oplus 17" x 30" (DIRT) TREE/BUSH C/S/W ⟨4⟩ PL. 207.00' (2)−1¼" DUCT. <u>BORE</u> 1¼" PVC 870' WATER VALVE PKWY CONDUI 2" PVC 8' $\supset \supset \supset$ IRE HYDRANT <u>CONDUI</u> DATA BLC DIRT CONCRETE 8.00' 0' 4" PVC $\Sigma - 0$ STREET LIGHT 870.00' ASPHALT BORE

					54+42.00 WAULT 54+40.00 POLE #4130211E		<u>***NOTE***</u> Contractor is Any undergro Within the vio Construction	UND UTILITIES INITY BEFORE		
	L	EGEND					IMPORTANT_NOTICE	PROJECT NUMBER:	REVISED	MARAINI
BOL	L	EGEND LINETYPE	DESCRIPTION	ABRV.	DESCRIPTION	<u>SCALE: 1" = 30'</u>				$\sim CROWN$
BOL			DESCRIPTION PROPOSED CC/NG DUCT	ABRV. SLC	STREET LIGHT CONDUIT		DIGALERT	PROJECT NUMBER: VRZ210441CAMONUFL08		$\mathbb{W} \mathbb{V} CASTLE$
BOL	DESCRIPTION				STREET LIGHT CONDUIT ELECTRIC	<u>SCALE: 1" = 30'</u> 30' 40' 60'		VRZ210441CAMONUFL08		SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE
BOL 	DESCRIPTION CENTER LINE PROPERTY LINE RIGHT OF WAY		PROPOSED CC/NG DUCT	SLC E T	STREET LIGHT CONDUIT ELECTRIC TELEPHONE		Section 4216/4217 of the Government Code requires a Dia Alert Identification	VRZ210441CAMONUFL08 COUNTY OF SANTA BARBARA		W CASTLE SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE DATE : 09/12/2013 CITY OF MONTECITO SHEET 01 OF 01
BOL 	DESCRIPTION CENTER LINE PROPERTY LINE RIGHT OF WAY CONCRETE SIDEWALK	LINETYPE	PROPOSED CC/NG DUCT PROPOSED CC/NG BORE CENTER LINE RIGHT OF WAY	SLC E	STREET LIGHT CONDUIT ELECTRIC TELEPHONE GAS	30' 40' 60'	Section 4216/4217 of the Government Code requires a Dia Alert Identification	VRZ210441CAMONUFL08		SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE
BOL 	DESCRIPTION CENTER LINE PROPERTY LINE RIGHT OF WAY		PROPOSED CC/NG DUCT PROPOSED CC/NG BORE CENTER LINE	SLC E T	STREET LIGHT CONDUIT ELECTRIC TELEPHONE		Section 4216/4217 of the Government Code requires a Dig Alert Identification Number to be issued before a "Permit to Excavate" will be valid. For your Dig Alert I.D. Number call	VRZ210441CAMONUFLOS COUNTY OF SANTA BARBARA SUB MAP NO. : THOMAS GUIDE : 987, E-7 CITY W.O. :		W CASTLE SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE DATE : 09/12/2013 CITY OF MONTECITO SHEET 01 OF 01 LOCATION : BELLA VISTA DRIVE & ROMERO CANYON ROAD LOG # : - LOG # : - GRID # : 6081-1988 PROJECT # : VRZ210441CAMONUFLO8
BOL 	DESCRIPTION CENTER LINE PROPERTY LINE RIGHT OF WAY CONCRETE SIDEWALK	LINETYPE	PROPOSED CC/NG DUCT PROPOSED CC/NG BORE CENTER LINE RIGHT OF WAY	SLC E T G	STREET LIGHT CONDUIT ELECTRIC TELEPHONE GAS	30' 40' 60' Engineered By : Connect solutions	Section 4216/4217 of the Government Code requires a Dia Alert Identification	VRZ210441CAMONUFLOS COUNTY OF SANTA BARBARA SUB MAP NO. : THOMAS GUIDE : 987, E-7 CITY W.O. : PERMIT NO. :		W CASTLE SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE DATE : 09/12/2013 CITY OF MONTECITO SHEET 01 OF 01 LOCATION : BELLA VISTA DRIVE & ROMERO CANYON ROAD

HANDHOLE TO POLE 1 | 2" 3.00' BORE PIT TO HANDHOLE 2 1-1/4" 4.00' ROMEO CAN X PLACE 50+61 PLACE 50+50 CATV × POLE #4805454E (CURB FACE) 12 9-R-3 BORE PIT TO BORE PIT

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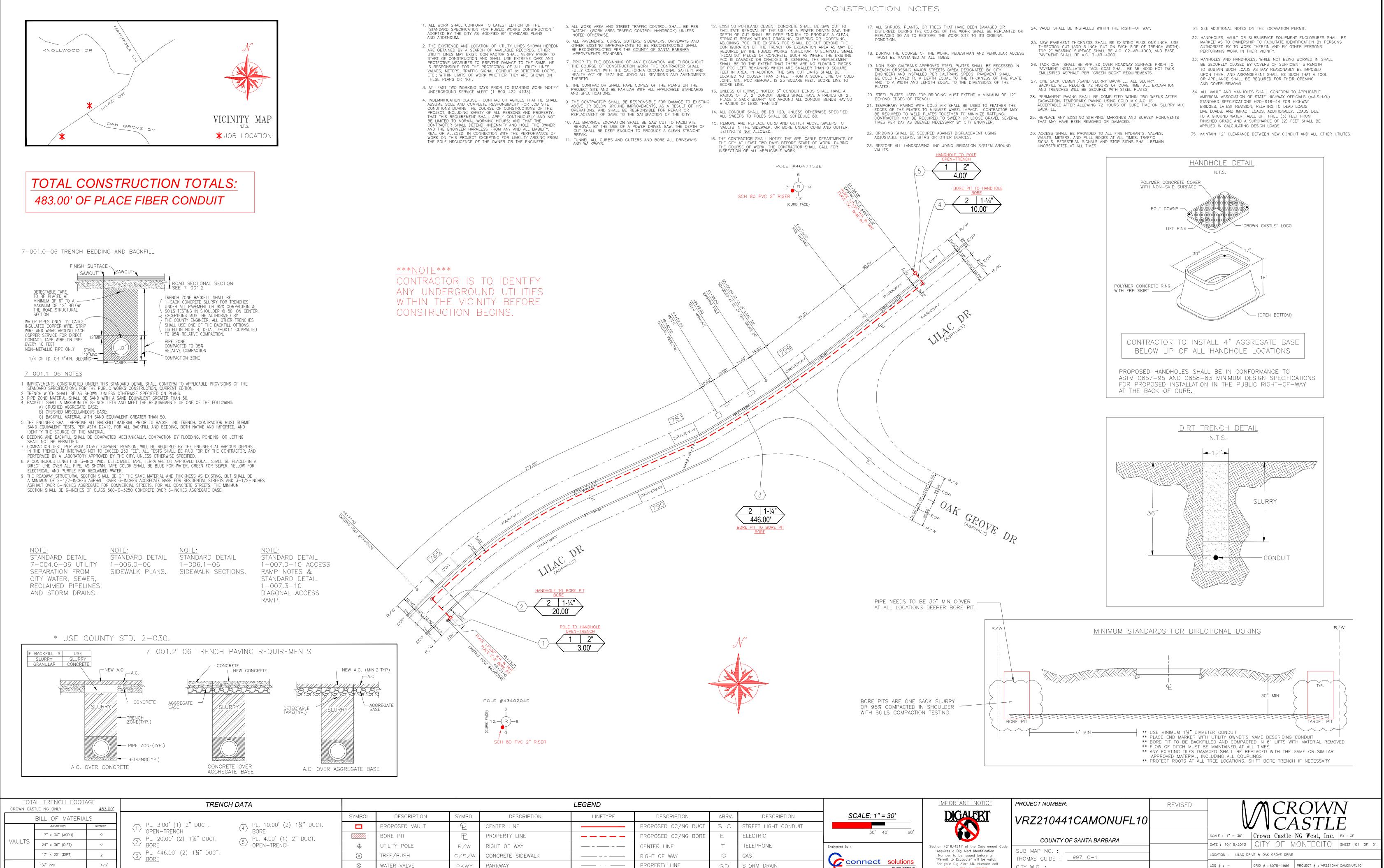
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RD



(CI	
	SCH 80 PVC 2" RISER

 $\triangleright \diamond \diamond$

 $\Delta - 0$

0'

IRE HYDRANT

STREET LIGHT

CONDUI

2" PVC

4" PVC

DIRT

BORF

7.00'

476.00'

CONCRETE

ASPHALT

LEGEND							IMPORTANT NOTICE	PROJECT NUMBER:	REVISED	$\wedge \land CROWN$
SYM	BOL DESCRIPTION	LINETYPE	DESCRIPTION	ABRV.	DESCRIPTION	<u>SCALE: 1" = 30'</u>	DIGALERT	VRZ210441CAMONUFL10		
Ģ	CENTER LINE		PROPOSED CC/NG DUCT	SLC	STREET LIGHT CONDUIT					
Ft	PROPERTY LINE		PROPOSED CC/NG BORE	E	ELECTRIC	30'40' 60'		COUNTY OF SANTA BARBARA		SCALE : 1" = 30' Crown Castle NG West, Inc. BY : CE
R,	W RIGHT OF WAY		CENTER LINE	Т	TELEPHONE	Engineered By : Section 4216/4217 of th requires a Dig Alert Number to be issue	Section 4216/4217 of the Government Code	SUB MAP NO. :		DATE : 10/15/2013 CITY OF MONTECITO SHEET <u>01</u> OF <u>01</u>
C/S	/w CONCRETE SIDEWALK		RIGHT OF WAY	G	GAS			· •	THOMAS GUIDE :	
PK	NY PARKWAY	· · ·	PROPERTY LINE	SD	STORM DRAIN		For your Dig Alert I.D. Number call CALL TOLL FREE	CITY W.O. :		LOG # : - GRID # : 6075-1986 PROJECT # : VRZ210441CAMONUFL10
C	NDUIT CONDUIT CT. CONDUIT		CURB	SS	SANITARY SEWER	Ion Schweers 4095 E. La Palma Ave., Ste. A	48 HOURS BEFORE YOU DIG	PERMIT NO. :		SYSTEM # : 130301-1 T.G.M. # : 997, C-1 ADDRESS # : MONTECITO, CA 93108
DAT	NDUIT CONDUIT CT. CONDUIT	DISTANCE TV CABLE TV WATER Jon Schweers 4095 E. La Polme Jason Jimenez Business (71 Fax (71		Jason Jimenez Business (714) 630–4053 Fax (714) 630–3052	UNDERGROUND SERVICE ALERT 1-800-227-2600	DATE :		TYPE OF DRAWING: SUBSTRUCTURES CROWN CASTLE NG FACILITY		

7784 Oak Bay Circle Sacramento, CA 95831 (800) 760-8414–jbushberg@hampc.com

Bhavani Yella Crown Castle 890 Tasman Drive Milpitas, CA 95035 April 23, 2013

Introduction

At your request, I have reviewed the technical specifications and calculated the maximum potential radiofrequency, (RF), power density from the proposed Crown Castle (CC) dual omni Distributed Antenna System (DAS) sites proposed for the right-of-way in Santa Barbara, CA. A DAS is a network of spatially separated antenna sites called "nodes" connected to a common source that provides wireless service within a geographic area. DAS antennae are typically installed near the top of light standards or on utility poles. The idea is to split the transmitted signal among several antenna sites, separated in space so as to provide coverage over the same area as a single antenna but with reduced total power and improved reliability. Thus a single antenna radiating at high power is replaced by a group (i.e., network) of low-power antennas to cover the same area. Some of the other advantages of DAS include the ability to provide service for multiple wireless carriers without the need to have separate antenna sites for each carrier at each location and the ability to place the antennae on existing vertical structures such as light or utility poles.

These proposed DAS nodes will utilize two omni antennae mounted on the cross arm of utility poles. The antenna specified is Comba model OOA-360V06N0-3. The maximum effective radiated power (ERP) from one of the omni antennae will be up to 35.24 watts at approximately 775 MHz utilizing LTE transmission technology; 21.63 watts at approximately 850 MHz and 44.16 watts at approximately 1,900 MHz utilizing CDMA/EVDO transmission technology. The distance from the antenna center to the ground will be at least 22 feet. The minimum distance between the antennae will be at least 6 feet. A list of the proposed DAS node locations and an example of the site configuration are shown in attachment one. The antenna specification details are depicted in attachment two. This analysis represents the worst case RF exposure of any of the proposed utility pole mounted DAS node locations.

Calculation Methodology

Calculations at the level of the antenna were made in accordance with the cylindrical model recommendations for near-field analysis contained in the Federal Communications Commission, Office of Engineering and Technology Bulletin 65 (OET 65) entitled "Evaluating Compliance with FCC-Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields." RF exposure calculations at ground level were made using equation 10 from the same OET document. Several assumptions were made in order to provide the most conservative or "worst case" projections of power densities. Calculations were made assuming all channels were operating simultaneously at their maximum design effective radiated power. Attenuation (weakening) of the signal that would result from surrounding foliage or buildings was ignored. Buildings or other structures

can reduce the signal strength by a factor of 10 (i.e., 10 dB) or more depending upon the construction material. In addition, for ground level calculations, the ground or other surfaces were considered to be perfect reflectors (which they are not) and the RF energy was assumed to overlap and interact constructively at all locations (which they would not) thereby resulting in the calculation of the maximum potential exposure. In fact, the accumulations of all these very conservative assumptions, will significantly overestimate the actual exposures that would typically be expected from such a facility. However, this method is a prudent approach that errs on the side of safety.

RF Safety Standards

The two most widely recognized standards for protection against RF field exposure are those published by the American National Standards Institute (ANSI) C95.1 and the National Council on Radiation Protection and measurement (NCRP) report #86. The NCRP is a private, congressionally chartered institution with the charge to provide expert analysis of a variety of issues (especially health and safety recommendations) on radiations of all forms. The scientific analyses of the NCRP are held in high esteem in the scientific and regulatory community both nationally and internationally. In fact, the vast majority of the radiological health regulations currently in existence can trace their origin, in some way, to the recommendations of the NCRP.

All RF exposure standards are frequency-specific, in recognition of the differential absorption of RF energy as a function of frequency. The most restrictive exposure levels in the standards are associated with those frequencies that are most readily absorbed in humans. Maximum absorption occurs at approximately 80 MHz in adults. The NCRP maximum allowable continuous occupational exposure at this frequency is 1,000 μ W/cm². This compares to 2,933 μ W/cm² at cellular frequencies and 5,000 μ W/cm² at PCS frequencies that are absorbed much less efficiently than exposures in the VHF TV band.

The traditional NCRP philosophy of providing a higher standard of protection for members of the general population compared to occupationally exposed individuals, prompted a two-tiered safety standard by which levels of allowable exposure were substantially reduced for "uncontrolled " (e.g., public) and continuous exposures. This measure was taken to account for the fact that workers in an industrial environment are typically exposed no more than eight hours a day while members of the general population in proximity to a source of RF radiation may be exposed continuously. This additional protection factor also provides a greater margin of safety for children, the infirmed, aged, or others who might be more sensitive to RF exposure. After several years of evaluating the national and international scientific and biomedical literature, the members of the NCRP scientific committee selected 931 publications in the peer-reviewed scientific literature on which to base their recommendations. The current NCRP recommendations limit continuous public exposure at cellular frequencies (e.g., ~820MHz) to 550 μ W/cm² and to 1,000 μ W/cm² at PCS frequencies (~1,900 MHz).

The 1992 ANSI standard was developed by Scientific Coordinating Committee 28 (SCC 28) under the auspices of the Institute of Electrical and Electronic Engineers (IEEE). This standard, entitled "IEEE Standards for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz" (IEEE C95.1-1991), was issued in April 1992 and subsequently adopted by ANSI. A revision of this standard (C95.1-2005) was completed in October 2005 by SCC 39 the IEEE International Committee on Electromagnetic Safety. Their recommendations are similar to the NCRP recommendations for the maximum permissible exposure (MPE) to the public PCS frequencies (950 μ W/cm² for continuous exposure at 1,900 MHz) and incorporates the convention of providing for a greater margin of safety for public as compared with occupational exposure. Higher whole body exposures are allowed for brief periods provided that no 30 minute time-weighted average exposure exceeds these aforementioned limits.

On August 9, 1996, the Federal Communications Commission (FCC) established a RF exposure standard that is a hybrid of the current ANSI and NCRP standards. The maximum permissible exposure values used to assess environmental exposures are those of the NCRP (i.e., maximum public continuous exposure at cellular and PCS frequencies of 550 μ W/cm² and 1,000 μ W/cm² respectively). The FCC issued these standards in order to address its responsibilities under the National Environmental Policy Act (NEPA) to consider whether its actions will "significantly affect the quality of the human environment." In as far as there was no other standard issued by a federal agency such as the Environmental Protection Agency (EPA), the FCC utilized their rulemaking procedure to consider which standards should be adopted. The FCC received thousands of pages of comments over a three-year review period from a variety of sources including the public, academia, federal health and safety agencies (e.g., EPA & FDA) and the telecommunications industry. The FCC gave special consideration to the recommendations by the federal health agencies because of their special responsibility for protecting the public health and safety. In fact, the MPE values in the FCC standard are those recommended by EPA and FDA. The FCC standard incorporates various elements of the 1992 ANSI and NCRP standards which were chosen because they are widely accepted and technically supportable. There are a variety of other exposure guidelines and standards set by other national and international organizations and governments, most of which are similar to the current ANSI/IEEE or NCRP standard, figure one.

The FCC standards "Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation" (Report and Order FCC 96-326) adopted the ANSI/IEEE definitions for controlled and uncontrolled environments. In order to use the higher exposure levels associated with a controlled environment, RF exposures must be occupationally related (e.g., wireless company RF technicians) and they must be aware of and have sufficient knowledge to control their exposure. All other environmental areas are considered uncontrolled (e.g., public) for which the stricter (i.e., lower) environmental exposure limits apply. All carriers were required to be in compliance with the new FCC RF exposure standards for new telecommunications facilities by October 15, 1997. These standards applied retroactively for existing telecommunications facilities on September 1, 2000.

The task for the physical, biological, and medical scientists that evaluate health implications of the RF data base has been to identify those RF field conditions that can produce harmful biological effects. No panel of experts can guarantee safe levels of exposure because safety is a null concept, and negatives are not susceptible to proof. What a dispassionate scientific assessment can offer is the presumption of safety when RF-field conditions do not give rise to a demonstrable harmful effect.

Summary & Conclusions

All CC utility pole DAS nodes listed in attachment one, operating with the characteristics as specified above and observing an seven foot public exclusion zone directly in front of and at the same elevation as the antenna, will be in full compliance with FCC RF public and occupational safety exposure standards. These transmitters, by design and operation, are low-power devices. Even under maximal exposure conditions in which the antenna is transmitting at its greatest design basis ERP, the maximum exposure at the elevation of the antenna will not result in RF exposures in excess of the FCC public RF safety standard at seven or more feet from the surface of either antenna, (see appendix A-1). The maximum RF exposure at ground level will not be in excess of 1.0% of, (i.e., 100 times lower than), the FCC public safety standard, (see appendix A-2).

A chart of the electromagnetic spectrum and a comparison of RF power densities from various common sources is presented in figures two and three respectively in order to place exposures from DAS wireless systems in perspective. RF exposure in the neighborhood served by this and other DAS sites are very low due

to three main factors. First, as previously stated, DAS is a relatively low-power technology. The maximum power into the antennae will be less than 136.27 watts. In addition, DAS sites utilize directional antennae that focus the RF energy toward the horizon, (i.e., parallel with the ground at the level of the antenna), thus only a very small percentage of the RF energy is emitted directly down toward the ground. This is similar to a lighthouse beacon that sends the majority of its light out toward the horizon with very little reaching the base of the lighthouse or people living nearby. Finally, as shown on the graph in appendix A-2, as one gets farther away from the site, the change in RF exposure intensity becomes more uniform with distance. Eventually there is a very rapid and consistent decrease in exposure with distance. Like all forms of electromagnetic energy, including light, the decrease in exposure at this point is proportional to the square of the increased distance. Thus, if the exposure at this point was 1% of the public exposure standard and one simply moved 10 times further away, (all other conditions being the same), the exposure would be 10² or 100 times less than before (i.e., 0.01% of the public exposure standard).

It is also important to realize that the FCC maximum allowable exposures are not set at a threshold between safety and known hazard but rather at 50 times below a level that the majority of the scientific community believes may pose a health risk to human populations. Thus, the previously mentioned maximum ground level exposure from these sites represents a "safety margin" from this threshold of potentially adverse health effects of more than 5,000 times.

Given the low levels of radiofrequency fields that would be generated from these CC antenna installations and given the evidence on RF biological effects in a large data base, there is no scientific basis to conclude that harmful effects will attend the utilization of this proposed wireless telecommunications facility. This conclusion is supported by a large number of scientists that have participated in standard-setting activities in the United States who are overwhelmingly agreed that RF radiation exposure below the FCC exposure limits has no demonstrably harmful effects on humans. An RF caution sign, containing appropriate contact information and indicating the stay back distance beyond which the RF exposures do not exceed the public maximum permissible exposure, should be placed near the antenna (see appendix A-3).

These findings are based on my professional evaluation of the scientific issues related to the health and safety of non-ionizing electromagnetic radiation and my analysis of the technical specification as provided by CC. The opinions expressed herein are based on my professional judgement and are not intended to necessarily represent the views of any other organization or institution. Please contact me if you require any additional information.

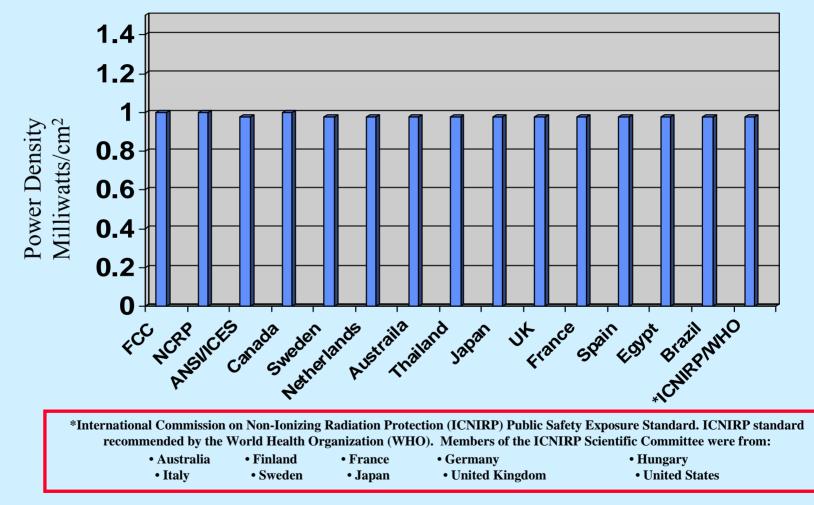
Sincerely,

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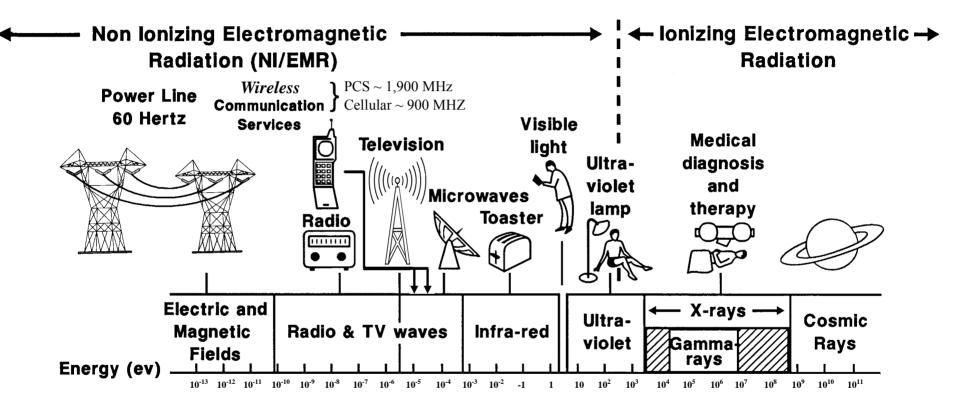
Jerrold T. Bushberg Ph.D., DABMP, DABSNM Diplomate, American Board of Medical Physics (DABMP) Diplomate, American Board of Science in Nuclear Medicine (DABSNM) Fellow, American Association of Physicists in Medicine (FAAPM)

Enclosures: Figures 1-3; Attachment 1,2; Appendices A1-A3 and Statement of Experience.

National and International Public RF Exposure Standards (DAS @ 1,950 MHz)



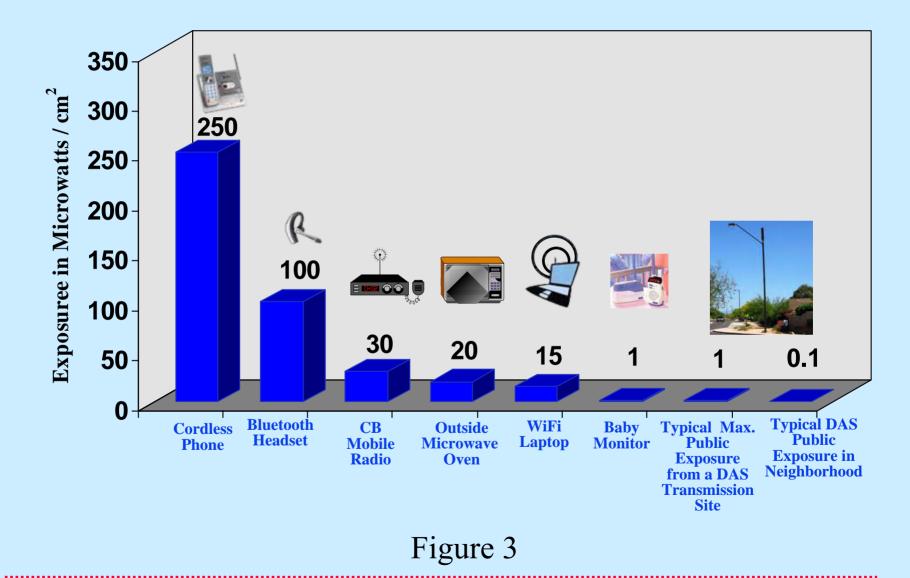




The Electromagnetic Spectrum

Figure 2

Typical Exposure from Various Radio Frequency / Microwave Sources



Attachment 1

Proposed Utility Pole Mounted Dual Omni Antenna DAS Nodes

	Configuration #3: 2 Comba OOA-360VO6N0-3 - Omni Antenna						
Proposed Remote Site Item #	Proposed Remote Location(s) or Site ID	Proposed Antenna Rad Center (AGL) (feet)	Street Address/cross street	Antenna Type			
2	MON02	27'	842 Lilac, SB, CA, 93108	2 Comba OOA-360V06N0-3			
5	MON05	30'	2104 Bella Vista, SB, CA, 93108	2 Comba OOA-360V06N0-3			
6	MON06	22'	727 Lilac, SB, CA, 93108	2 Comba OOA-360V06N0-3			
7	MON07	24' 10"	2395 Bella Vista, SB, CA, 93108	2 Comba OOA-360V06N0-3			
8	MON08	33'	350 Sheffield Dr, SB, CA, 93108	2 Comba OOA-360V06N0-3			
9	MON09	38'	1810 N. Jameson Ln, SB, CA, 93108	2 Comba OOA-360V06N0-3			
11	MON11M	27'	970 Lilac Dr, SB, CA, 93108	2 Comba OOA-360V06N0-3			
12	MON12	31'	2268 E. Valley Dr, SB, CA, 93108	2 Comba OOA-360V06N0-3			
13	MON13	30'	2092 Ortega Hill Rd, SB, CA, 93108	2 Comba OOA-360V06N0-3			
14	MON14	23' 9"	1934 N. Jameson Ln, SB, CA, 93108	2 Comba OOA-360V06N0-3			
15	MON15	36'	1698 N. Jameson Ln, SB, CA, 93108	2 Comba OOA-360V06N0-3			
16	MON16	29'	932 Park Ln, SB, CA, 93108	2 Comba OOA-360V06N0-3			
17	MON17	24'	628 Orchard Ave, SB, CA, 93108	2 Comba OOA-360V06N0-3			
18	MON18	27' 10"	2358 Bella Vista, SB, CA, 93108	2 Comba OOA-360V06N0-3			
19	MON19	23' 10"	931 Romero Canyon, SB, CA, 93108	2 Comba OOA-360V06N0-3			
20	MON20	27'	850 Romero Canyon, SB, CA, 93108	2 Comba OOA-360V06N0-3			
21	MON21	24' 6"	2243 Camino Del Rosario, SB, CA, 93108	2 Comba OOA-360V06N0-3			
22	MON22	25'	2117 Veloz Dr, SB, CA, 93108	2 Comba OOA-360V06N0-3			
23	MON23	25'	1070 Romero Canyon, SB, CA, 93108	2 Comba OOA-360V06N0-3			
24	MON24	30' 6"	290 Sheffield Dr, SB, CA, 93108	2 Comba OOA-360V06N0-3			
25	MON25	25'	1891 San Leandro Ln, SB, CA, 93108	2 Comba OOA-360V06N0-3			
26	MON26	31' 6"	1476 N. Jameson Ln, SB, CA, 93108	2 Comba OOA-360V06N0-3			
27	MON27	32'	1416 N. Jameson Ln, SB, CA, 93108	2 Comba OOA-360V06N0-3			
28	MON28	43'	1566 N. Jameson Ln, SB, CA, 93108	2 Comba OOA-360V06N0-3			
29	MON29	27' 10"	2047 Alisos Dr, SB, CA, 93108	2 Comba OOA-360V06N0-3			
31	MON31	27'	1933 Tollis Ave, SB, CA, 93108	2 Comba OOA-360V06N0-3			
32	MON32	26'6"	1634 SanLeandro Ln, SB, CA 93108	Comba OOA-360V06N0-4			

GENERAL NOTES

1. APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL A PERMIT HAS REEN ISSUED 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 OF 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 DESTROYED BY THE CONSTRUCTION.
- 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 DAYS BEFORE YOU DIG.
- 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 CONSTRUCTION.
- 9, CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION. A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK WITHIN 10' OF ALL SEWER WATER AND STORMORAIN MAIN INCLUDING ALL CROSSINGS.
- 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 REPAR OR REPLACEMENT OF SUCH PUBLIC INPROVEMENTS 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 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 POLLITION.

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.

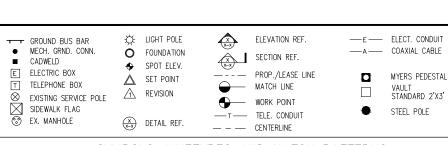
- 1. THE CONTRACTOR SHALL VERIFY THE LOCATION EXISTING UNDERGROUND UTILITIES INCLIDING SEWER LATERALS AND WATER SERVICES TO INDMIDUAL LOTS BOTH VERTICAL AND HORIZONTAL PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
- 2. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING FACILITIES SUFFICIENTLY 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 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, 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, INDEMNEY AND DURING THE REPORT OF THE CONTRACTOR CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNEY 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 . THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE FUNDS ARE FROM EXISTING RELOWEDS AND CONFORMATEL, WH POSSIBLE WITH FIELD TEST. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING FILL OCATIONS SHOWN, BOTH HORIZONTAL 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 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



CROWN CASTLE NG WEST, INC

VERIZON MONTECITO-MON06 R.O.W. EAST SIDE OF LILAC DR. (ADJACENT TO 765 LILAC DR) SANTA BARBARA, CA 93108





SYMBOLS, LINETYPES AND HATCH PATTERNS

EROSION AND SEDI

TEMPORARY EROSION/SEDIMENT CONTROL, SHALL BE PERFORMED BY THE CONTRACTO

1. ALL REQUIREMENTS OF THE LOCAL JURI WATER STANDARDS" MUST BE INCORPORAT PROPOSED GRADING/IMPROVEMENTS CONSIS AND/OR WATER POLLUTION CONTROL PLAN

2. FOR STORM DRAIN INLETS, PROVIDE A OF INLET AS INDICATED ON DETAILS.

3. FOR INLETS LOCATED AT SUMPS ADJA ENSURE THAT WATER DRAINING TO THE SUM MINIMUM OF 1.00" FREEBOARD EXISTS AND

FREEBOARD IS NOT PROVIDED BY GRADING SHALL PROVIDE IT VIA TEMPORARY MEASUR 4. THE CONTRACTOR OR QUALIFIED PERSO

AND MUD ON ADJACENT STREET(S) AND ST ACTIVITY.

5. THE CONTRACTOR OR QUALIFIED PERS UNLINED DITCHES AFTER EACH RAINFALL.

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TIMES DURING THE RAINY SEASON. ALL NEC SITE AT CONVENIENT LOCATIONS TO FACILIT DEVICES WHEN RAIN IS IMMINENT

8. THE CONTRACTOR SHALL RESTORE ALL WORKING ORDER TO THE SATISFACTION OF AFTER EACH RUN-OFF PRODUCING RAINFAL

9. THE CONTRACTOR SHALL INSTALL ADDI MAY BE REQUIRED BY THE RESIDENT ENGIN OR UNFORESEEN CIRCUMSTANCES, WHICH M.

10. THE CONTRACTOR SHALL BE RESPON TO PREVENT PUBLIC TRESPASS ONTO AREA HAZARDOUS CONDITION

11. ALL EROSION/SEDIMENT CONTROL MEA PLAN SHALL BE INCORPORATED HEREON. CONDITIONS SHALL BE DONE TO THE SATIS

> 12. GRADED AREAS AROUND THE PROJECT OF THE SLOPE AT THE CONCLUSION OF EA

13. ALL REMOVABLE PROTECTIVE DEVICES WORKING DAY WHEN RAIN IS IMMINENT.

14. THE CONTRACTOR SHALL ONLY GRADE AREAS FOR WHICH THE CONTRACTOR OR Q EROSION/SEDIMENT CONTROL MEASURES.

15. THE CONTRACTOR SHALL ARRANGE FO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTROL SUBCONTRACTOR IF ANY, ENGINEE RESIDENT ENGINEER) TO EVALUATE THE A MEASURES AND OTHER RELATED CONSTRUCT

TRAFFIC CONTROL

THE CONTRACTOR SHALL SUBMIT A TRAFFI APPROVAL PRIOR TO STARTING WORK. TH TRAFFIC CONTROL PERMIT COUNTER CONT TRAFFIC CONTROL PERMIT A MINIMUM OF T STARTING WORK, AND A MINIMUM FIVE (5) BUS STOP OR AN EXISTING TRAFFIC SIGNAL ROAD OR ALLEY CLOSURE.

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DIRT TRENCH	
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BORE	
TOTAL	
R&R SWF TOTAL	

PROJECT DICTION

R.O.W. SITE ADDRESS: (ADJAC

APPLICANT:

SANTA

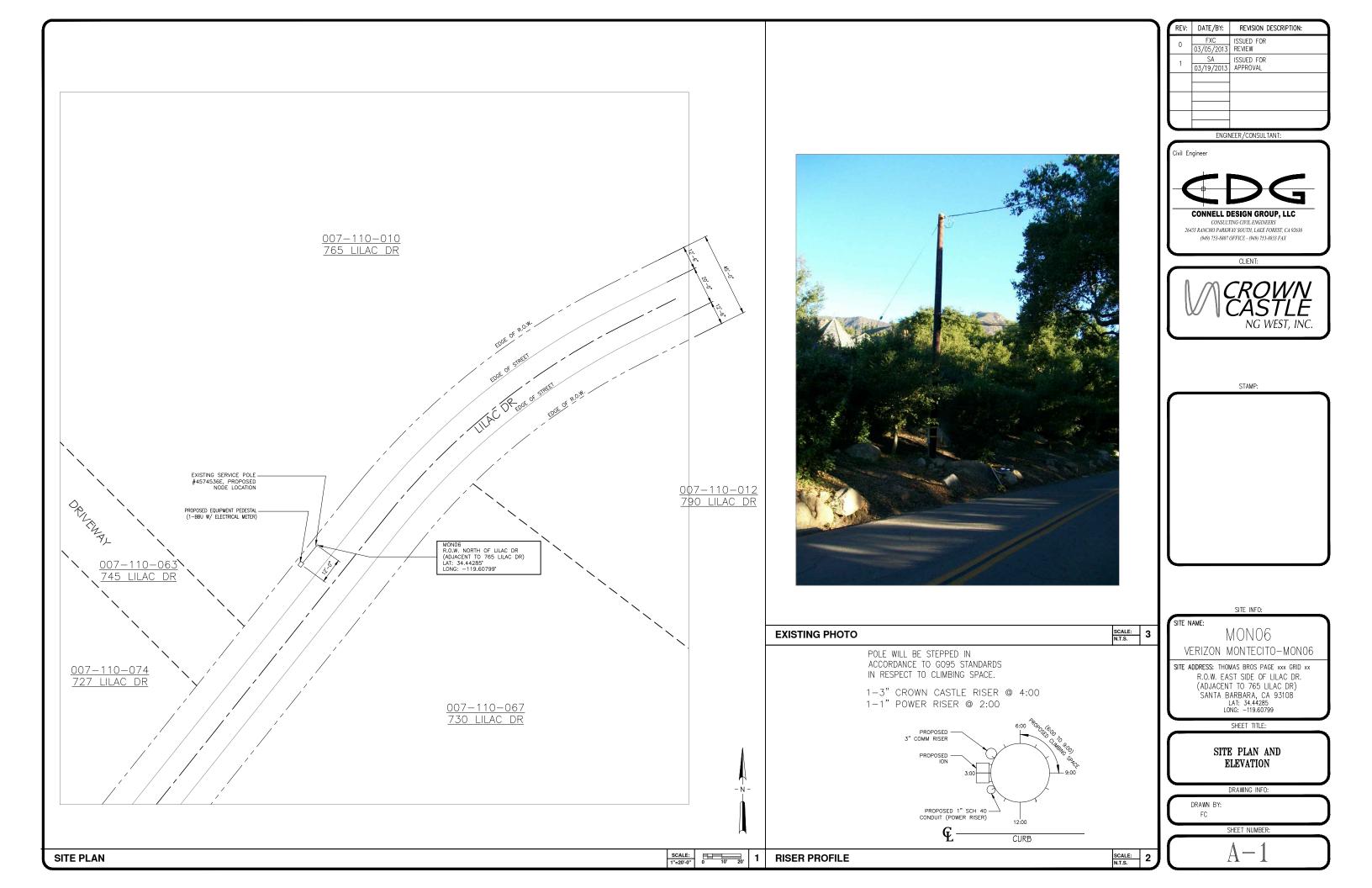
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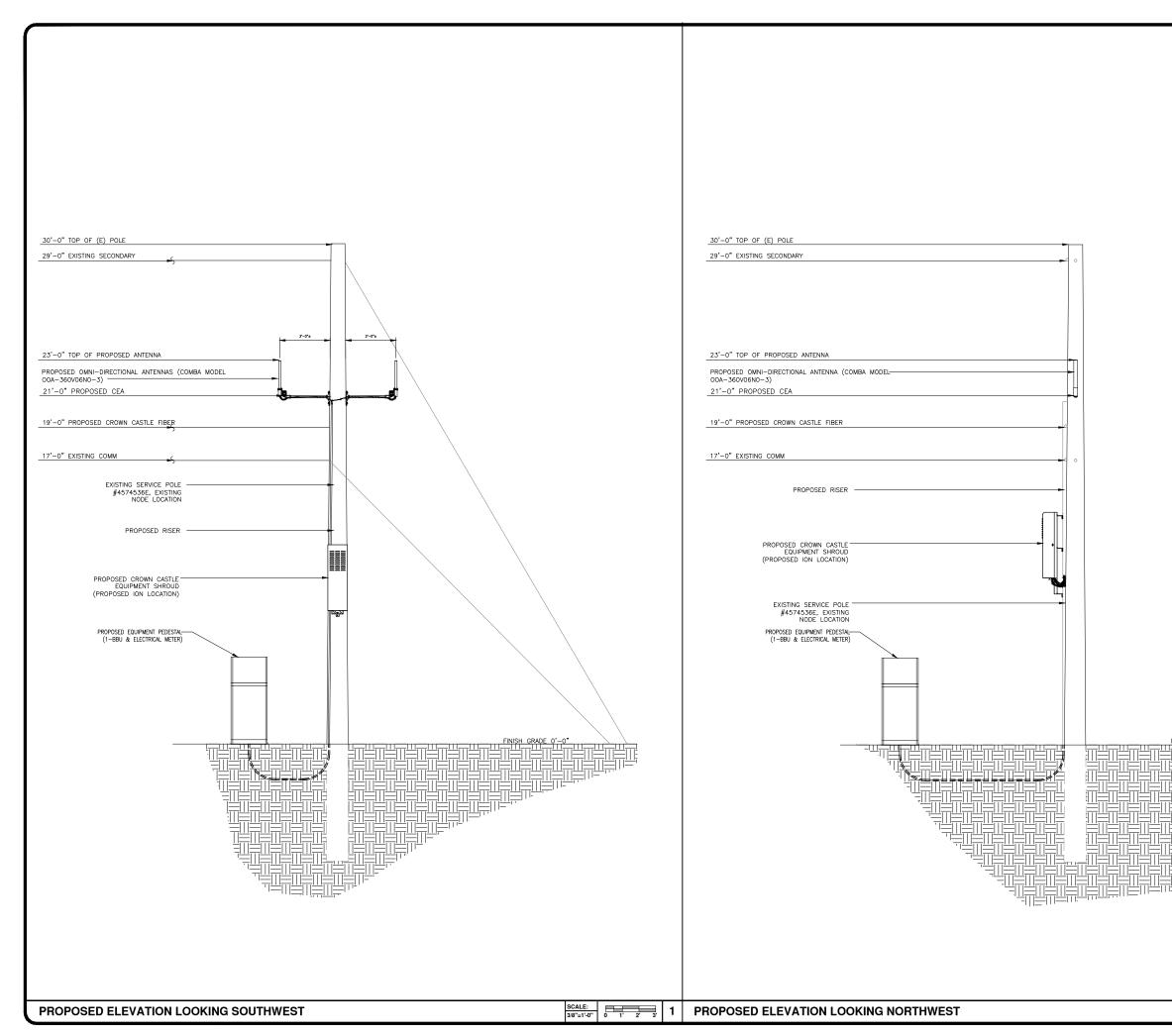
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 *2010 CALIFORNIA BUILDING CODE *2010 CALIFORNIA MECHANICAL CODE *2010 CALIFORNIA FULMBING CODE *2010 CALIFORNIA ELECTRICAL CODE IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL	 92) OMNI ANTENNAS ON EXISTING UTILITY POLE 2. EQUIPMENT VAULT AT BASE OF EXISTING POLE 3. EQUIPMENT PEDESTAL W/ BBU AND ELECTRICAL METER AT BASE OF POLE 	SITE PLAN Existing elevati Details Details Details	A-1 - SHEET 2 OF 6 IONS A-2 - SHEET 3 OF 6 D-1 - SHEET 4 OF 6 D-2 - SHEET 5 OF 6 D-3 - SHEET 6 OF 6		26455 LAKE FC CONTAC (949) 3 (949) 7

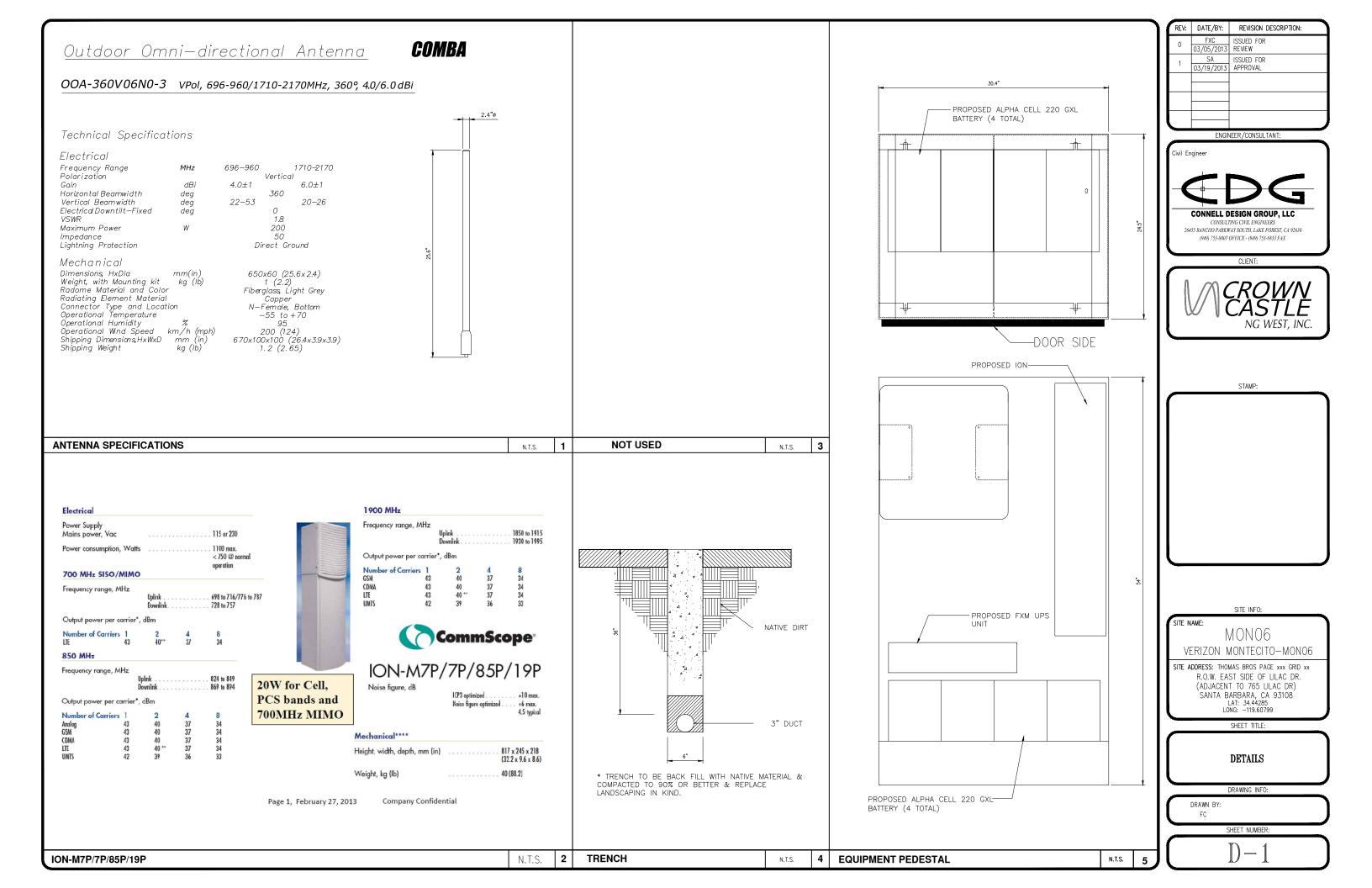
VICINITY MAP - N.T.S.

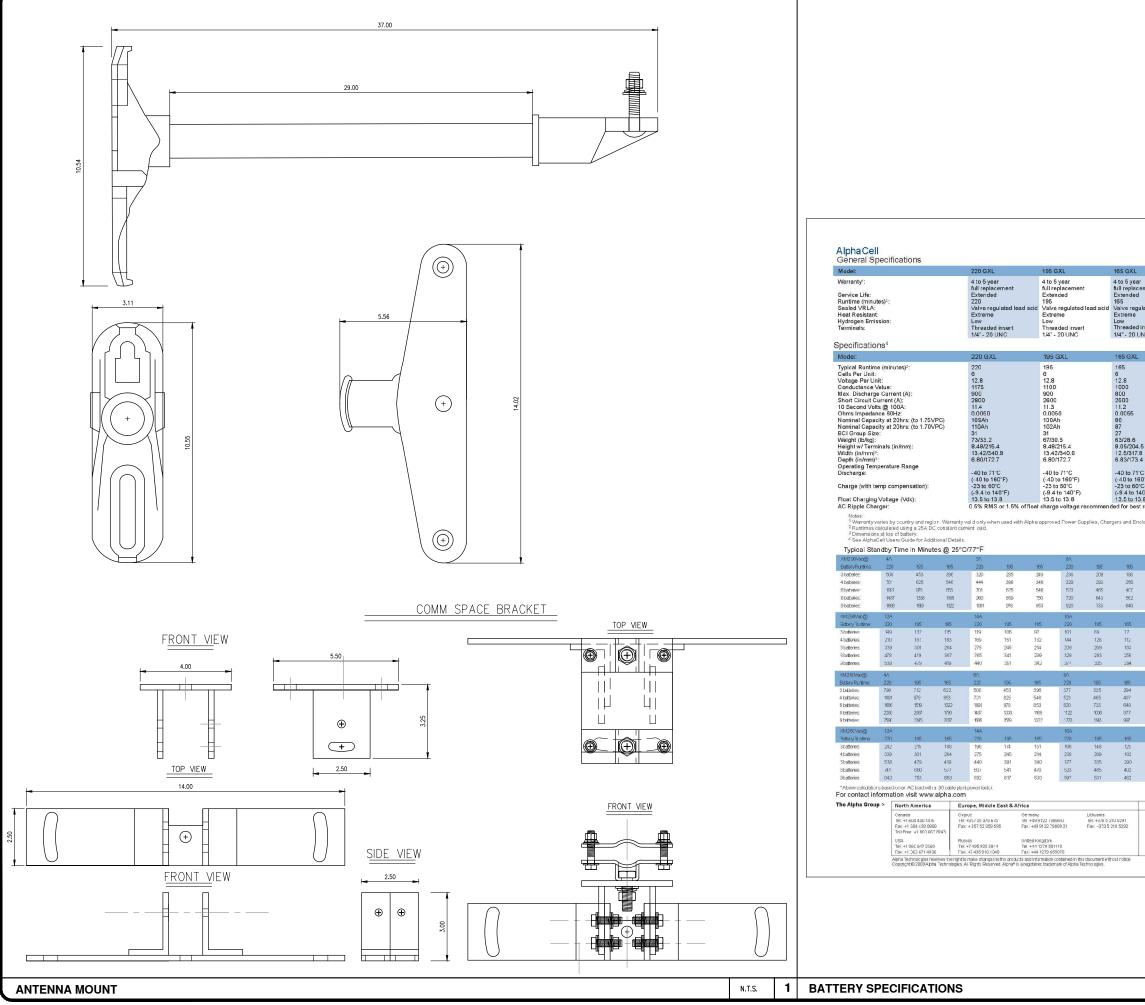
MENT CONTROL NOTES	REV: DATE/BY: REVISION DESCRIPTION:
PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, R OR QUALIFIED PERSON AS INDICATED BELOW:	0 03/05/2013 REVIEW 1 SA ISSUED FOR
SDICTION "LAND DEVELOPMENT MANUAL, STORM 2D INTO THE DESIGN AND CONSTRUCTION OF THE STENT WITH THE APPROVED STORM WATER	03/19/2013 APPROVAL
(WPCP). GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM	
NENT TO TOP OF SLOPES, THE CONTRACTOR SHALL MP IS DIRECTED INTO THE INLET AND THAT A IS MAINTAINED ABOVE THE TOP OF THE INLET. IF	ENGINEER/CONSULTANT:
IS MAINTAINED AGUYE INTE TOP OF THE INCLET. IF SHOWN ON THESE PLANS, THE CONTRACTOR RES, I.E. GRAVEL BAGS OR DIKES. ON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT	Civil Engineer
form drain system due to construction	
ON SHALL CHECK AND MAINTAIN ALL LINED AND	CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS
F AND DEBRIS AFTER EACH MAJOR RAINFALL. ENCY WORK SHALL BE MADE AVAILABLE AT ALL CESSARY MATERIALS SHALL BE STOCKPILED ON TATE RAPID CONSTRUCTION OF TEMPORARY	26455 RANCHO PARKWAY SOUTH, LAKE FOREST, CA 92630 (949) 753-8807 OFFICE - (949) 753-8833 FAX
L EROSION/SEDIMENT CONTROL MEASURES TO THE CITY ENGINEER OR RESIDENT ENGINEER L.	
NTIONAL EROSION CONTROL MEASURES AS IEER DUE TO UNCOMPLETED GRADING OPERATIONS IAY ARISE.	CROWN
SIBLE AND SHALL TAKE NECESSARY PRECAUTIONS IS WHERE IMPOUNDED WATERS CREATE A	NG WEST, INC.
ASURES PROVIDED PER THE APPROVED GRADING ALL EROSION/SEDIMENT CONTROL FOR INTERIM FACTION OF THE RESIDENT ENGINEER.	
CT PERIMETER MUST DRAIN AWAY FROM THE FACE CH WORKING DAY.	STAMP:
S SHOWN SHALL BE IN PLACE AT THE END OF EACH	
E, INCLUDING CLEARING AND GRUBBING FOR THE UALIFIED PERSON CAN PROVIDE	
OR WEEKLY MEETINGS DURING OCTOBER 1ST TO CONTRACTOR, QUALIFIED PERSON, EROSION ER OF WORK, OWNER AND THE DEQUACY OF THE EROSION/SEDIMENT CONTROL TION ACTIVITES.	
NOTES	
CONTROL PLAN (11" X 17") FOR E PLAN SHOULD BE SUBMITTED TO THE ACTOR SHALL OBTAIN A WO (2) WORKING DA'S PRIOR TO DA'S IF WORK WILL AFFECT A , OR IF WORK WILL REQUIRE A	
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N CASTLE NG WEST, INC WRIGHT AVE, SUITE #C9 RNE, CA 91750 CT: DANIEL NUESKE	TITLE SHEET
E: (714) 472-1577 ELL DESIGN GROUP, LLC	DRAWING INFO:
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ACT: FRANK CARTER 310–8233 PHONE	FC SHEET NUMBER:
753–8833 FAX	



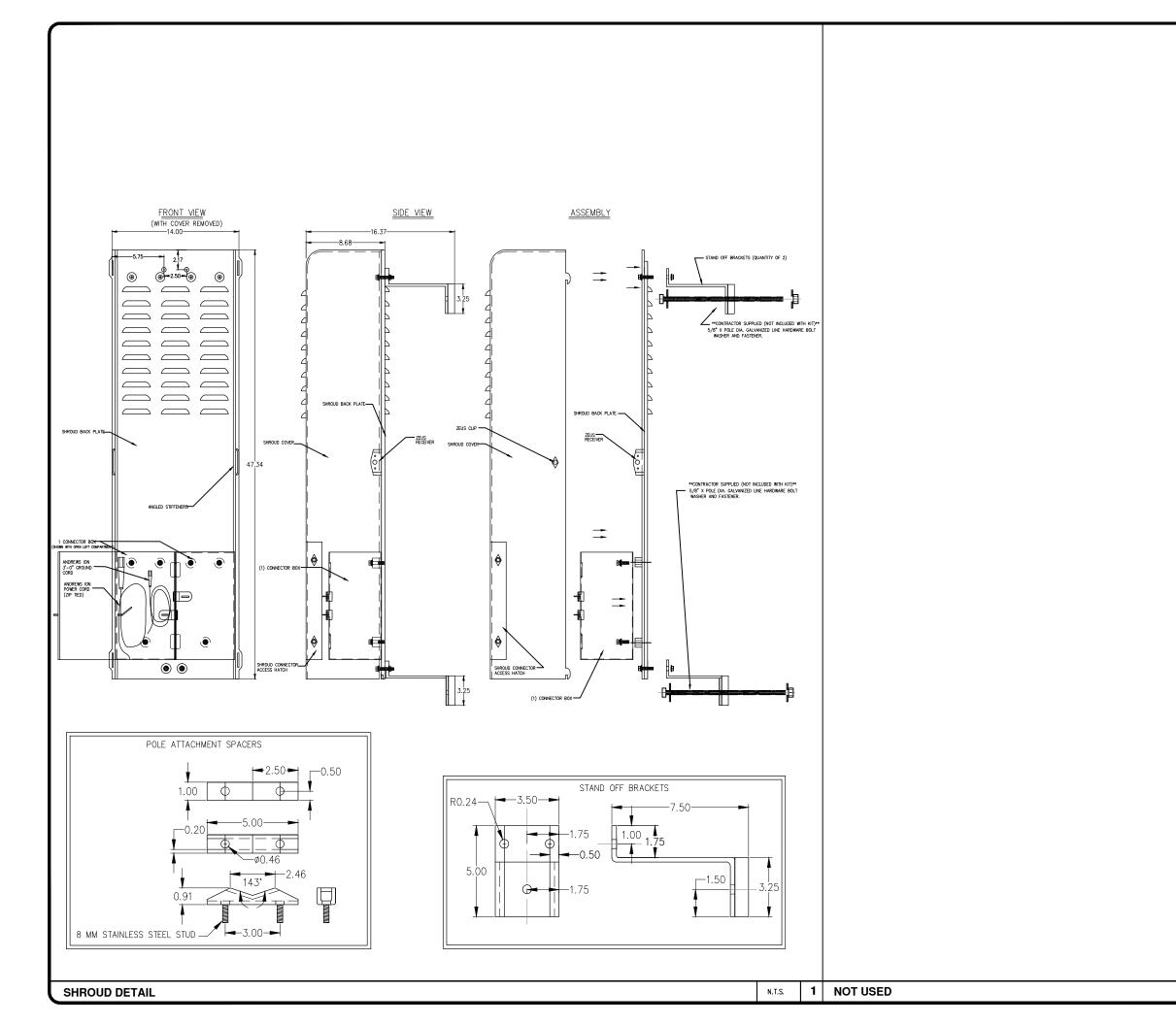


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	CONNELL DESIGN GROUP, LLC CONSULTING CIVIL ENGINEERS
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