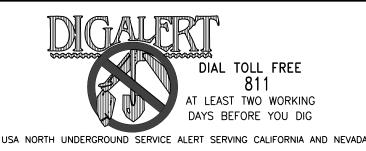
CODE COMPLIANCE

2013 CALIFORNIA BUILDING CODE 2013 CALIFORNIA TITLE 24 2013 CALIFORNIA FIRE CODE 2013 CALIFORNIA RESIDENTIAL CODE 2013 CALIFORNIA ENERGY CODE 2013 CALIFORNIA PLUMBING CODE

2013 CALIFORNIA MECHANICAL CODE 2013 CALIFORNIA ELECTRIC CODE ANSI/TIA-222-G OR LATEST EDITION LOCAL CODES AND AMENDMENTS

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.



SITE INFORMATION

IRVINE, CA 92618

PROPERTY OWNER: MERRIAM TRUST ADDRESS: 123 VISTA MERRIAM SAN MARCOS, CA 92069 CONTACT BOB MERRIAM PHONE: (760) 445-8800

APPLICANT VERIZON WIRELESS

ADDRESS: 15505 SAND CANYON AVE. BUILDING "D" 1ST FLOOR

APPLICANT REPRESENTATIVE: PLANCOM, INC. ADDRESS: 302 STATE PLACE ESCONDIDO, CA 92029 CONTACT CONTACT: JILL CLEVELAND

> PHONE: (760) 420-4833 EMAIL: Jill.cleveland@plancominc.com

TOWER FOOTING GROUND ELEV .: ±797.5' A.M.S.L.

EQUIPMENT BUILDING GROUND ELEV .: ±783' A.M.S.L. 182-020-45-00 APN #:

OCCUPANCY TYPE: U-UNMANNED TELECOMMUNICATIONS FACILITY

TYPE OF CONSTRUCTION: V-B

PHONE:

A70 / GEN. PLAN SR-10 **CURRENT ZONING:** ZONING JURISDICTION: COUNTY OF SAN DIEGO

EQUIPMENT LEASE AREA: ±147 SQ. FT. ±20 SQ. FT. ANTENNA LEASE AREA:

> NOTE: LANDLORD IS WORKING WITH COUNTY TO PERMIT & REMOVE UN-PERMITTED STRUCTURES ON SITE. EXISTING BUILDING SQUARE FOOTAGE CALCULATIONS NOT IN

> > NATIONAL ENGINEERING &

LAKE FOREST, CA 92630

PHONE: (949) 716-9990

CONSULTING, INC.

302 STATE PLACE

CONSULTING, INC.

27 ORCHARD

ESCONDIDO, CA 92029

CONTACT: BRENT HELMING

PHONE: (760) 533-6065

NATIONAL ENGINEERING &

LAKE FOREST, CA 92630 PHONE: (949) 716-9990 FAX: (949) 716-9997

Brent.helming@plancominc.com

27 ORCHARD

Verizon

DEER SPRINGS

PROJECT ADDRESS: **124 VISTA MERRIAM** SAN MARCOS, CA 92069

PROJECT TEAM

PROJECT MANAGER: VERIZON WIRELESS 15505 SAND CANYON AVE. IRVINE, CA 92618 CONTACT: KELLEY McDONOUGH PHONE: (949) 286-8790

FAX: (949) 716-9997 Kelley.Mcdonough@verizonwireless.com ZONING: PLANCOM, INC. SITE ACQUISITION: PLANCOM, INC.

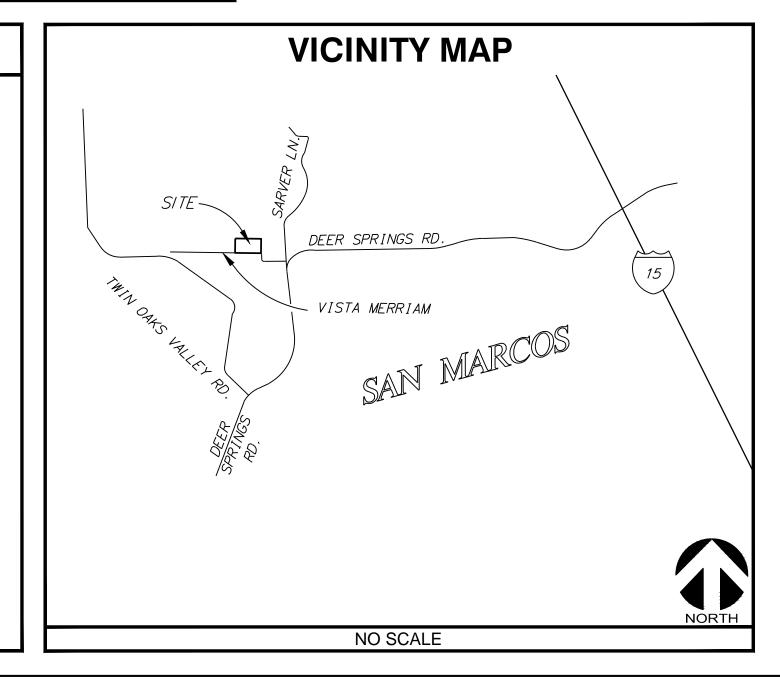
302 STATE PLACE ESCONDIDO, CA 92029 CONTACT: JILL CLEVELAND PHONE: (760) 420-4833

EMAIL: <u>Jill.cleveland@plancominc.com</u>

RF ENGINEER: VERIZON WIRELESS 15505 SAND CANYON AVE. IRVINE, CA 92618 CONTACT: SEAN DANIELS

Sean.Daniels@verizonwireless.com

CONSTRUCTION: VERIZON WIRELESS 15505 SAND CANYON AVE. IRVINE, CA 92618



DRIVING DIRECTIONS

DIRECTIONS FROM VERIZON WIRELESS OFFICE:

- HEAD SOUTHEAST TOWARD SAND CANYON SIDE PATH/SAND CANYON TRAIL
- TURN LEFT ONTO SAND CANYON AVE
- TURN RIGHT TO MERGE ONTO I-5 CONTINUE ON I-5 S TO SAN DIEGO COUNTY. TAKE EXIT 9 FROM CA-78 E
- TAKE BUENA CREEK RD TO VISTA MERRIAM
- USE THE LEFT 2 LANES TO TURN LEFT ONTO SYCAMORE AVE
- CONTINUE ONTO ROBELINI DR
- 8. TURN RIGHT ONTO S SANTA FE AVE
- 9. TURN LEFT ONTO BUENA CREEK RD
- 10. TURN LEFT ONTO N TWIN OAKS VALLEY RD
- 11. CONTINUE ONTO DEER SPRINGS RD 12. SLIGHT LEFT ONTO SARVER LN
- 13. TURN LEFT ONTO VISTA MERRIAM

DESTINATION WILL BE ON THE RIGHT: 124 VISTA MERRIAM SAN MARCOS, CA 92069

ZONING DRAWING

IF USING 11"X17" PLOT, DRAWINGS WILL BE HALF SCALE

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.

VERIZON WIRELESS RF ENGINEER:

VERIZON WIRELESS OPERATIONS:

SITE ACQUISITION MANAGER:

PROJECT MANAGER:

CONSTRUCTION MANAGER:

A/E MANAGER:

PROJECT DESCRIPTION

ERIZON WIRELESS PROPOSES THE CONSTRUCTION OF A NEW TELECOMMUNICATIONS FACILITY, THE SCOPE WILL CONSIST OF THE FOLLOWING:

- INSTALL (1) PROPOSED VERIZON WIRELESS 60'-0" HIGH MONO-EUCALYPTUS
- CO-LOCATABLE TREE (SPACE FOR FUTURE CARRIERS)
- INSTALL (12) PROPOSED VERIZON WIRELESS PANEL ANTENNAS. INSTALL (12) PROPOSED VERIZON WIRELESS RRUS.
- INSTALL (1) PROPOSED VERIZON WIRELESS 2' DIAMETER MICROWAVE DISH.
- INSTALL (2) PROPOSED VERIZON WIRELESS RAYCAP SURGE SUPPRESSORS.
- INSTALL (2) PROPOSED VERIZON WIRELESS MCE EQUIPMENT CABINETS.
- INSTALL (1) PROPOSED VERIZON WIRELESS 15KW DC GENERATOR.
- INSTALL (2) PROPOSED VERIZON WIRELESS (2) 16X12 HYBRID TRUNK CABLES INSTALL PROPOSED VERIZON WIRELESS (8'-8"x13'-4") 3-SIDED CMU WALL WITH
- STEEL TRELLIS AT TOP. CMU TO MATCH EXISTING SPLIT-FACE SITE WALLS PER LANDLORD SPECIFICATIONS. OVERALL HEIGHT: 9'-4"
- PROPOSED VERIZON WIRELESS SWING OUT STEEL GATES TO COMPLY WITH COUNTY OF SAN DIEGO FP-2 REQUIREMENTS
- INSTALL PROPOSED VERIZON WIRELESS EQUIPMENT CONCRETE PAD.
- INSTALL (1) PROPOSED VERIZON WIRELESS GPS ANTENNA

DRAWING INDEX

SHEET N	10:	SHEET TITLE		
T-1		TITLE SHEET		
LS-1		TOPOGRAPHIC SURVEY		
LS-2		TOPOGRAPHIC SURVEY		
A-1		OVERALL SITE PLAN		
A-2		ENLARGED SITE PLAN		
A-2.1		WATER POLLUTION CONTROL PLAN		
A-3		PROPOSED EQUIPMENT LAYOUT PLAN		
A-4		PROPOSED ANTENNA LAYOUT		
A-5		ARCHITECTURAL ELEVATIONS		
A-6		ARCHITECTURAL ELEVATIONS		
A-7		EQUIPMENT SPECIFICATIONS		
A-8		MCE CABINET AND GENERATOR SPECIFICATIONS		
A-9		BATTERY SPECIFICATIONS		

DO NOT SCALE DRAWINGS

SUBCONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



15505 SAND CANYON AVE. **IRVINE, CA 92618**

-PLANS PREPARED BY



-CLIENTS -

4 | 10/06/15 CLIENT REVISION 10/16/15 CLIENT REVISION 02/12/16 | PLANNING COMMENTS 02/18/16 CLIENT REVISON 03/01/16 UTILITY REVISON 9 | 04/19/16 DESIGN REVISON 10 | 07/19/16 | LL DESIGN REVISION 08/17/16 | PLANNING UPDATES 12 | 11/15/16 | COUNTY COMMENTS RF CHANGES 14 | 10/02/17 | PLANNING COMMENTS | CN

—SITE INFORMATION:

DEER **SPRINGS**

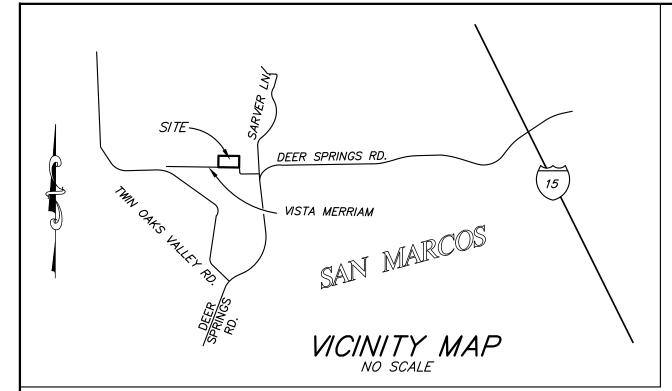
124 VISTA MERRIAM SAN MARCOS, CA 92069 APN: 182-020-45-00

SEAL	:	•

—SHEET TITLE: —

TITLE SHEET

-SHEET NUMBER



TITLE NOTE

A DISCREPANCY EXISTS WITHIN THE PROVIDED TITLE REPORT AS TO THE VESTED OWNER(S) OF THE SUBJECT PARCEL. PIETER de BRUYN AND JOHANNA de BRUYN ARE LISTED IN SAID TITLE REPORT AS PARTIALLY VESTED OWNERS. THE de BRUYNS GRANTED THEIR INTEREST IN THE SUBJECT PARCEL TO ROBERT A. MERRIAM PER DOCUMENT NO. 2006-0723486, RECORDED OCTOBER 11, 2006. THIS DISCREPANCY MAY NEED TO BE ADDRESSED IN THE OWNERS SECTION ONCE RESOLVED.

182-020-44

N88°08'20"E 900.23 PROPOSED VERIZON TOWER LEASE PREMISES -PROPOSED VERIZON WIRELESS LEASE AREA PREMISES PROPOSED VERIZON 182-020-45 SITE ACCESS ROUTE POWER POLE N88°08'20"E 900.23' VISTA MERRIAM $\langle 6 \rangle \langle 6 \rangle \langle 4 \rangle \langle 5 \rangle$ 182-260-02 P116517 182-260-07

LEGAL DESCRIPTION:

THE SOUTHERLY 500.00 FEET OF THE EASTERLY 900.00 FEET OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 25, TOWNSHIP 11 SOUTH, RANGE 3 WEST, SAN BERNARDINO MERIDIAN, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO UNITED STATES GOVERNMENT SURVEY APPROVED DECEMBER 14, 1885.

ASSESSOR'S PARCEL NUMBER: 182-020-45

OWNERS: ROBERT A. MERRIAM, PIETER DE BRUYN AND JOHANNA DE BRUYN, OF THE PIETER DE BRUYN 1985 FAMILY TRUST, WILLIAN DE BRUYN, JOHN P. DE BRUYN AND RICHARD C. MERRIAM AND MARY F. MERRIAM UNDER DECLARATION OF TRUST DATED JUNE 17, 1982.

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 25, TOWNSHIP 11 SOUTH, RANGE 3 WEST, SAN BERNARDINO MERIDIAN, AS SHOWN ON RECORD OF SURVEY MAP NO. 9588, I.E., N 88°08'20" E.

BENCHMARK:

THE BENCHMARK FOR THIS SURVEY IS STATION NO. 3033 PER COUNTY OF SAN DIEGO CONTROL, A 2.5" BRASS DISC, STAMPED "VWD 3033 LS 5669," IN THE SOUTHBOUND LANE OF SARVER LANE, 60' NORTHERLY OF CENTERLINE INTERSECTION WITH DEER SPRINGS ROAD, 5' WESTERLY OF SAID SARVER LANE CENTERLINE, PER GPS RECORD OF SURVEY 15376.

ELEVATION = 773.64 (NGVD 29)

TITLE REPORT INFORMATION

PRELIMINARY REPORT FILE NO. 08025859, DATED JULY 23, 2015, HAS BEEN PROVIDED BY COMMONWEALTH LAND TITLE COMPANY. THE FOLLOWING ITEMS, INCLUDED WITHIN SCHEDULE B-SECTION B, AFFECT THE SUBJECT PARCEL AND HAVE BEEN NUMBERED TO COORESPOND WITH SAID PRELIMINARY REPORT.

- 1 WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT DISCLOSED BY THE PUBLIC RECORD.
- 2 EASEMENT TO VISTA IRRIGATION DISTRICT FOR PIPELINE CONSTRUCTION AND MAINTENANCE AND RIGHT OF WAY, RECORDED IN BOOK 1125, PAGE 187 OF DEEDS.
 - NOTE: LOCATION CANNOT BE PLOTTED, BLANKET EASEMENT OVER SW 1/4, NW 1/4.
- 3 EASEMENT TO VISTA IRRIGATION DISTRICT FOR PIPELINE CONSTRUCTION AND MAINTENANCE AND RIGHT OF WAY, RECORDED OCTOBER 6, 1925 IN BOOK 1125, PAGE 187 OF DEEDS.
 - NOTE: LOCATION CANNOT BE PLOTTED, BLANKET EASEMENT OVER SW 1/4, NW 1/4.
- EASEMENT TO SAN DIEGO GAS & ELECTRIC COMPANY FOR LINES, POLES AND WIRES FOR TRANSMISSION AND DISTRIBUTION OF ELECTRICITY, RECORDED JANUARY 28, 1947. IN BOOK 2322, PAGE 359 OF
- NOTE: EASEMENT PLOTTED, ONLY THE CENTERLINE OF SAID EASEMENT IS DESCRIBED, NO WIDTH GIVEN. DOES NOT AFFECT LEASE PREMISES.
- EASEMENT TO SAN DIEGO GAS & ELECTRIC COMPANY FOR LINES, POLES AND WIRES FOR TRANSMISSION AND DISTRIBUTION OF ELECTRICITY, RECORDED JANUARY 28, 1947. IN BOOK 2322, PAGE 359 OF OFFICIAL RECORDS.
- NOTE: EASEMENT PLOTTED, ONLY THE CENTERLINE OF SAID EASEMENT IS DESCRIBED, NO WIDTH GIVEN. DOES NOT AFFECT LEASE PREMISES.
- EASEMENT TO SAN MARCOS COUNTY WATER DISTRICT FOR PIPELINES, RECORDED JULY 5, 1961, IN INSTRUMENT NO. 114664 OF OFFICIAL RECORDS.
- NOTE: EASEMENT PLOTTED. DOES NOT AFFECT LEASE PREMISES.
- REVERSIONSARY RIGHT IN AND TO AN EASEMENT FOR ROAD AND UTILITY PURPOSES ACCROSS COUNTY ROAD SURVEY NO. 881 AS DESCRIBED IN DEED TO COUNTY OF SAN DIEGO, RECORDED SEPTEMBER 5, 1941, IN BOOK 1269, PAGE 175 OF OFFICIAL RECORDS, LYING WITHIN THAT LAND DESCRBED IN DEED TO RICHARD C. MERRIAM, RECORDED NOVEMBER 27, 1990 AS INSTRUMENT NO. 90-633157 OF OFFICIAL
- NOTE: EASEMENT PLOTTED. DOES NOT AFFECT LEASE PREMISES.
- EASEMENT TO COX COMMUNICATIONS CALIFORNIA, LLC, A DELAWARE LIMITED LIABILITY COMPANY, FOR AERIAL TELECOMMUNICATION FACILTIES, RECORDED MAY 27, 2014, AS INSTRUMENT NO. 2014-0214953 OF OFFICIAL RECORDS.
 - NOTE: EASEMENT PLOTTED. DOES NOT AFFECT LEASE PREMISES.

SEE SHEET LS-2 FOR DETAILS

182-020-43

182-020-31

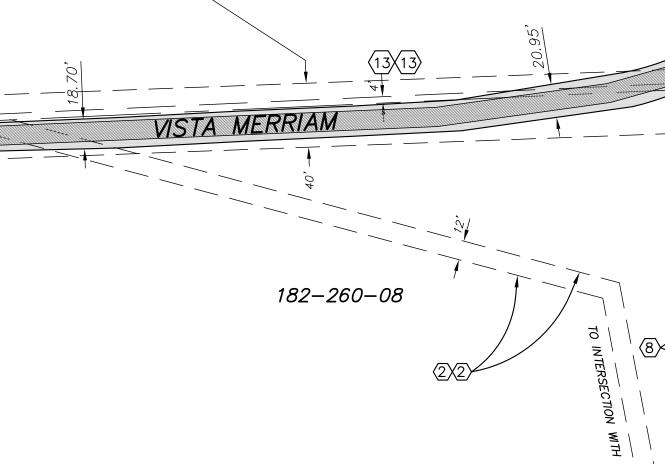
TOP 814.64

-(13\()13\

40 EASEMENT FOR ROAD AND UTILITIES PURPOSES PER PARCEL "A4" OF DOCUMENT NO. 2006-0796903, RECORDED NOVEMBER 08, 2006.

182-260-09

40 EASEMENT FOR ROAD AND UTILITIES PURPOSES PER PARCEL "A2" OF DOCUMENT NO. 2006-0796903, RECORDED NOVEMBER 08, 2006.



GRAPHIC SCALE

(IN FEET 1 inch = 60 ft **Veri 70** *n wireless* 15505 SAND CANYON AVE. IRVINE, CA 92618

--PLANS PREPARED BY:



27 ORCHARD, LAKE FOREST, CA 92630 PHONE: (949) 716-9990 | FAX: (949) 716-9997

-CLIENTS

NO. —DATE: — DESCRIPTION: 07/28/15 **PRELIM** 08/25/15 RR FINAL 02/18/16 RR FINAL 06/06/16 FINAL

—SITE INFORMATION:

DEER SPRINGS

124 VISTA MERRIAM SAN MARCOS, CA 92069

182-260-10



-SHEET TITLE:

TOPOGRAPHIC SURVEY

-SHEET NUMBER:

LS-1

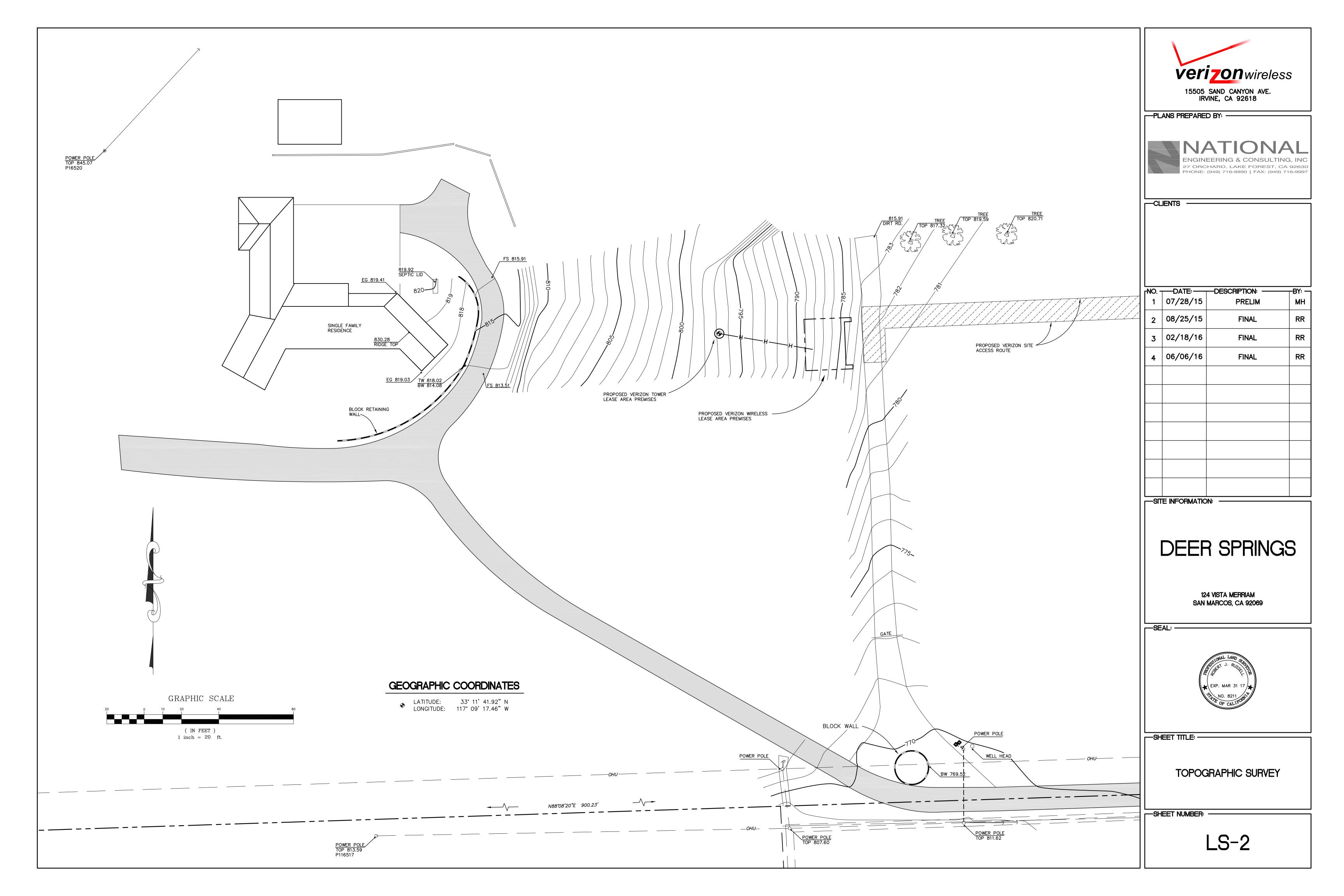
ADD. TITLE REPORT INFORMATION

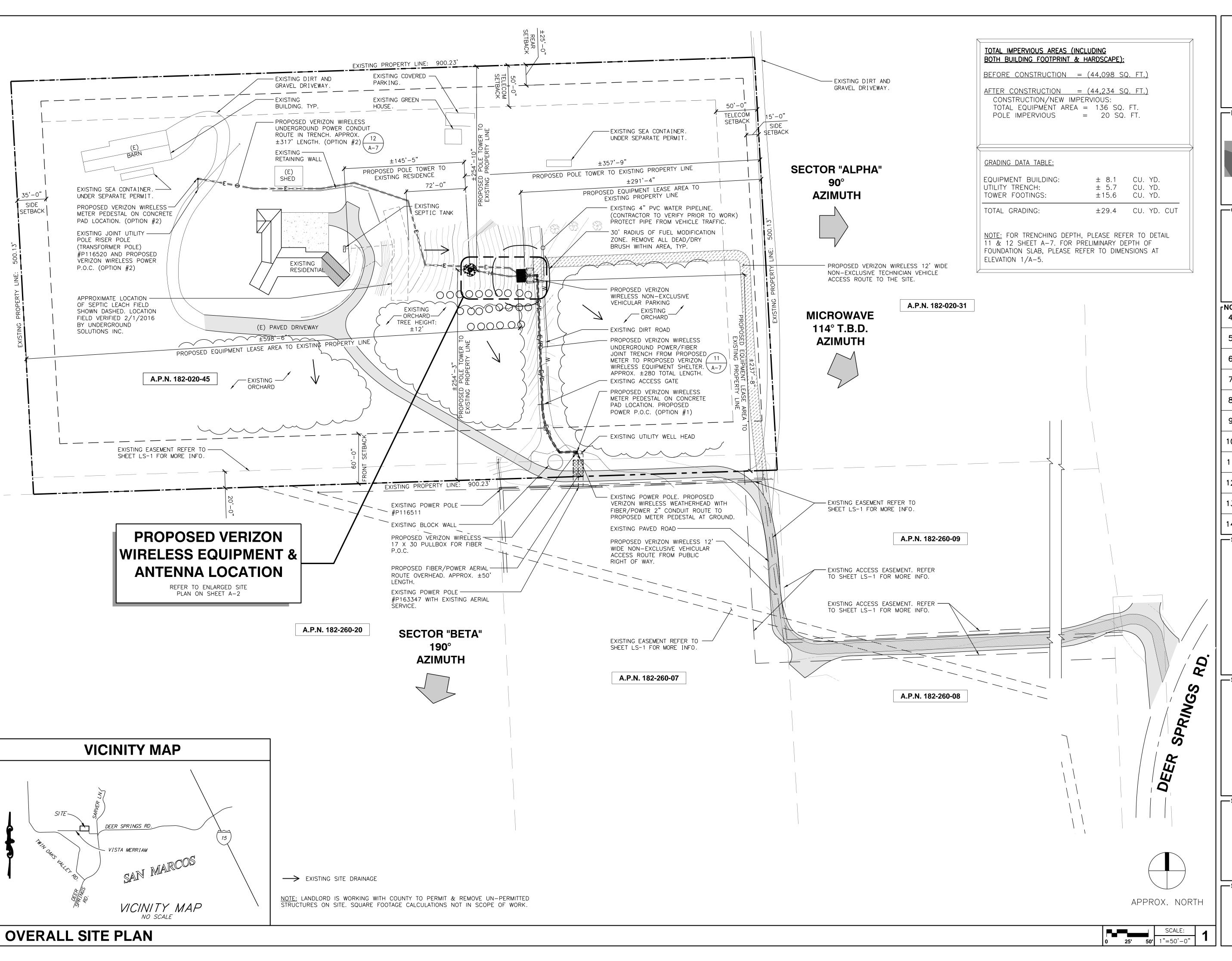
PRELIMINARY REPORT FILE NO. 08026307, DATED AUGUST 5, 2015, HAS BEEN PROVIDED BY COMMONWEALTH LAND TITLE COMPANY. THE FOLLOWING ITEMS ARE INCLUDED WITHIN SCHEDULE B-SECTION B, OF SAID PRELIMINARY REPORT.

- (2)(2) AN EASEMENT FOR PRIVATE ROADWAY PER DOCUMENT RECORDED SEPTEMBER 29, 1883 IN BOOK 45, PAGE 56 OF DEEDS. NOTE: EASEMENT PLOTTED, DOES NOT AFFECT LEASE PREMISES.
- 3 3 AN EASEMENT FOR PRIVATE ROADWAY PER DOCUMENT RECORDED MAY 26, 1887 IN BOOK 88, PAGE 344 OF DEEDS. NOTE: LOCATION CANNOT BE PLOTTED, DOCUMENT IS ILLEGIBLE.
- 4 4 AN EASEMENT TO COUNTY OF SAN DIEGO FOR PUBLIC ROAD PER DOCUMENT RECORDED AUGUST 22, 1896 IN BOOK 257, PAGE 64 OF DEEDS.
 - NOTE: LOCATION CANNOT BE PLOTTED FROM THE RECORD.

DOES NOT AFFECT LEASE PREMISES.

- 5 5 EASEMENT TO VISTA IRRIGATION DISTRICT FOR PIPELINE CONSTRUCTION AND MAINTENANCE AND RIGHT OF WAY, RECORDED OCTOBER 6, 1925 IN BOOK 1125, PAGE 187 OF DEEDS.
 - NOTE: LOCATION CANNOT BE PLOTTED, BLANKET EASEMENT OVER SW 1/4, NW 1/4.
- EASEMENT TO SAN DIEGO GAS & ELECTRIC COMPANY FOR LINES, POLES AND WIRES FOR TRANSMISSION AND DISTRIBUTION OF ELECTRICITY, RECORDED JANUARY 28, 1947, IN BOOK 2322, PAGE 359 OF OFFICIAL RECORDS. NOTE: EASEMENT PLOTTED, ONLY THE CENTERLINE OF SAID EASEMENT IS DESCRIBED, NO WIDTH GIVEN.
- AN EASEMENT TO COX COMMUNICATIONS FOR AERIAL TELECOMMUNICATION FACILITIES PER DOCUMENT RECORDED MAY 27, 2014 AS INSTRUMENT NO. 2014-0214952.







15505 SAND CANYON AVE. IRVINE, CA 92618

—PLANS PREPARED BY: —



-CLIENTS -

ΓNO	DATE:	—DESCRIPTION:———	⊢BY: —
4	10/06/15	CLIENT REVISION	JY
5	10/16/15	CLIENT REVISION	SB
6	02/12/16	PLANNING COMMENTS	JY
7	02/18/16	CLIENT REVISON	кн
8	03/01/16	UTILITY REVISON	кн
9	04/19/16	DESIGN REVISON	кн
10	07/19/16	LL DESIGN REVISION	JY
11	08/17/16	PLANNING UPDATES	кн
12	11/15/16	COUNTY COMMENTS	JY
13	11/17/16	RF CHANGES	JY
14	10/02/17	PLANNING COMMENTS	CN

—SITE INFORMATION:

DEER SPRINGS

124 VISTA MERRIAM SAN MARCOS, CA 92069 APN: 182-020-45-00

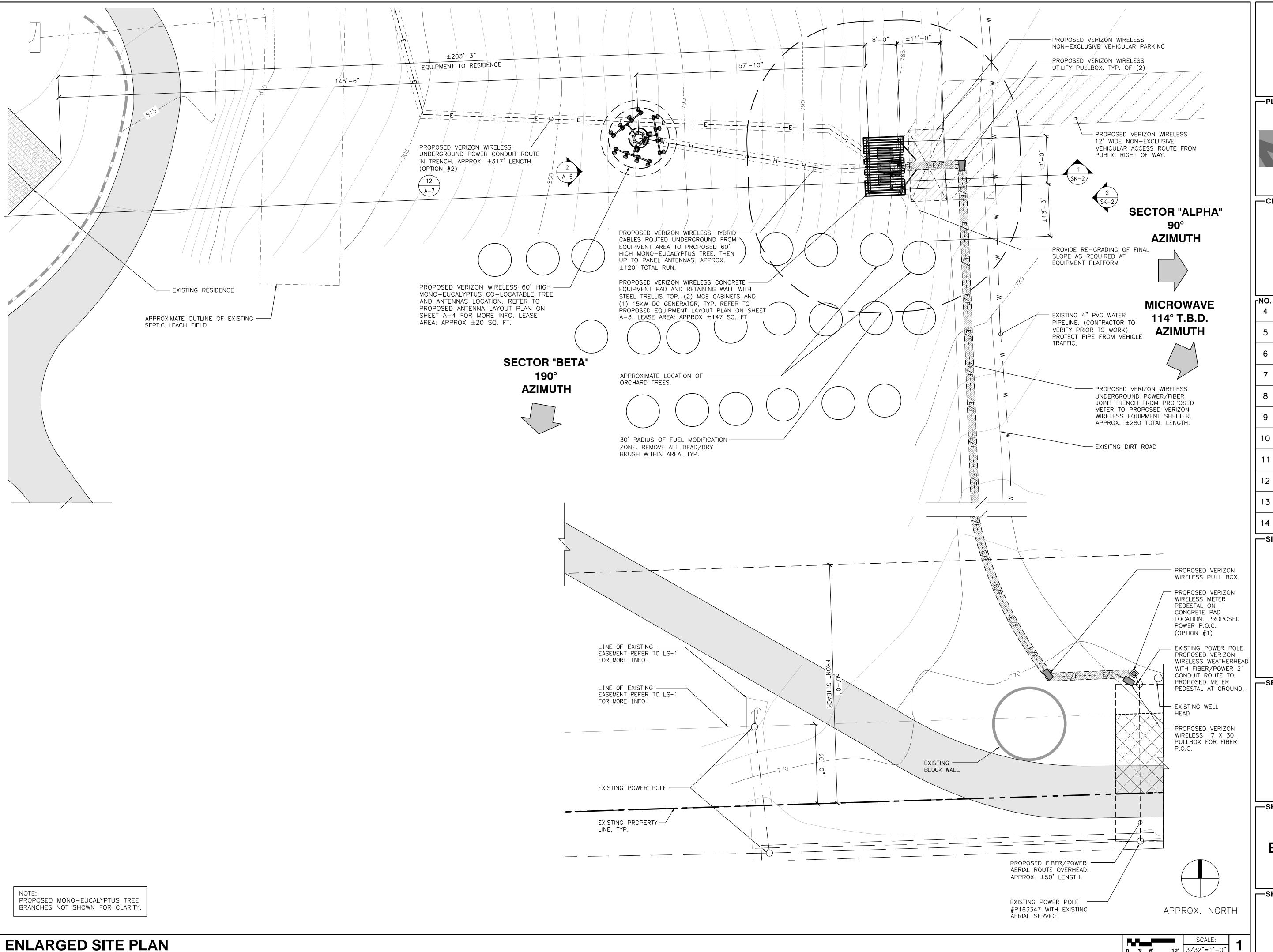
—SEAL: -

—SHEET TITLE:—

OVERALL SITE PLAN

—SHEET NUMBER

A-1





15505 SAND CANYON AVE. IRVINE, CA 92618

—PLANS PREPARED BY:-



-CLIENTS -

NO. — DATE: — DESCRIPTION: —			BY:
4	10/06/15	CLIENT REVISION	JY
5	10/16/15	CLIENT REVISION	SB
6	02/12/16	PLANNING COMMENTS	JY
7	02/18/16	CLIENT REVISON	кн
8	03/01/16	UTILITY REVISON	кн
0	04/19/16	DESIGN REVISON	кн
10	07/19/16	LL DESIGN REVISION	JY
11	08/17/16	PLANNING UPDATES	КН
12	11/15/16	COUNTY COMMENTS	JY
13	11/17/16	RF CHANGES	JY
14	10/02/17	PLANNING COMMENTS	CN

SITE INFORMATION:

DEER SPRINGS

124 VISTA MERRIAM SAN MARCOS, CA 92069 APN: 182-020-45-00

JLAL.

—SHEET TITLE:—

ENLARGED SITE PLAN

SHEET NUMBER:

A-2

EROSION CONTROL GENERAL NOTES

1. IN THE CASE OF EMERGENCY, CALL VERIZON WIRELESS AT (800) 264-6620 (24 HOUR PHONE NO.)

2. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.

3. EROSION CONTROL DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE CITY INSPECTOR.

4. ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS

5. AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM STREETS, CHECK BERMS, AND BASINS.

6. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.

7. THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.

8. THE PERMITTEE AND CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND ENSURE THAT THE WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.

9. ANY SLOPES WITH DISTURBED SOILS OR DENUDED VEGETATION MUST BE STABILIZED TO INHIBIT EROSION BY WIND AND WATER.

10. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.

11. CONSTRUCTION SITES SHALL BE MAINTAINED BY IMPLEMENTATION OF BEST MANAGEMENT PRACTICES (BMP) IN SUCH A MANNER THAT POLLUTANTS ARE NOT DISCHARGED FROM THE SITE TO THE MAXIMUM EXTENT PRACTICABLE.

12. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEETFLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE, OR WIND.

13. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND AND WATER.

14. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.

15. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC RIGHT-OF-WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.

16. ALL NON-STORMWATER DISCHARGES, UNLESS ACCEPTED OR AUTHORIZED BY AN NPDES PERMIT, REQUIRE PRIOR APPROVAL BY THE STATE WATER RESOURCES CONTROL BOARD.

17. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.

SAN DIEGO STORM WATER QUALITY NOTES CONSTRUCTION BMPs:

THIS PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD FOR THE SAN DIEGO REGION REISSUED (SDRWQCB) A MUNICIPAL STORM WATER, NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (MS4), EFFECTIVE FEBRUARY 26, 2016. THIS PROJECT IS SUBJECT TO FOLLOW CRITERIA SET FORTH IN THE COUNTY OF SAN DIEGO BMP DESIGN MANUAL AND REFERENCES FOUND IN THE CALTRANS STORM WATER QUALITY HANDBOOK.

NOTES BELOW REPRESENT KEY MINIMUM REQUIREMENTS FOR CONSTRUCTION BMP'S.

- 1. STORMWATER BEST MANAGEMENT PRACTICES (BMPS) ARE REQUIRED AT ALL TIMES AND SHALL BE IN ACCORDANCE WITH THE COUNTY'S WATERSHED PROTECTION
- 2. OBTAIN AN APPROVED TRAFFIC CONTROL PERMIT PRIOR TO START OF ANY WORK IN THE RIGHT OF WAY.
- 3. COMPACTION SHALL BE ACHIEVED BY "MECHANICAL COMPACTION" METHODS AND GEOTECHNICAL COMPACTION REPORTS ARE REQUIRED FOR ALL COMPACTED SECTIONS OF THE TRENCH, EXCEPTIONS TO COMPACTION TESTING REQUIREMENTS AT THE DISCRETION OF THE DIRECTOR OF PUBLIC WORKS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ALL SILT AND MUD ON ADJACENT STREET(S), DUE TO CONSTRUCTION VEHICLES OR ANY OTHER CONSTRUCTION ACTIVITY, AT THE END OF EACH WORK DAY, OR AFTER A STORM EVENT THAT CAUSES A BREECH IN INSTALLED CONSTRUCTION BMP'S WHICH MAY COMPROMISE STORM WATER QUALITY WITHIN ANY STREET(S). A STABILIZED CONSTRUCTION EXIT MAY BE REQUIRED TO PREVENT CONSTRUCTION VEHICLES OR
- EQUIPMENT FROM TRACKING MUD OR SILT ONTO THE STREET 5. ALL STOCKPILES OF SOIL AND/OR BUILDING MATERIALS THAT ARE INTENDED TO BE LEFT FOR A PERIOD GREATER THAN SEVEN CALENDAR DAYS ARE TO BE COVERED. ALL REMOVABLE BMP DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN FIVE DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
- 6. A CONCRETE WASHOUT SHALL BE PROVIDED ON ALL PROJECTS WHICH PROPOSE THE CONSTRUCTION OF ANY CONCRETE IMPROVEMENTS WHICH ARE TO BE POURED IN PLACE ON SITE.
- 7. THE CONTRACTOR SHALL RESTORE AL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER AFTER EACH RUN-OFF PRODUCING RAINFALL OR AFTER ANY MATERIAL BREECH IN EFFECTIVENESS.
- 8. ALL SLOPES THAT ARE CREATED OR DISTURBED BY CONSTRUCTION ACTIVITY MUST BE PROTECTED AGAINST EROSION AND SEDIMENT TRANSPORT AT ALL TIMES. 9. THE STORAGE OF ALL CONSTRUCTION MATERIALS AND EQUIPMENT MUST BE
- PROTECTED AGAINST ANY POTENTIAL RELEASE OF POLLUTANTS INTO THE ENVIRONMENT.

NOTES:

- CONTRACTOR TO REDUCE TIME OF EXCAVATION & CONCRETE POUR TIME TO
- MINIMIZE SITE IMPACT. TEMPORARY FENCING TO BE INSTALLED IN A WAY SUCH THAT IT DOES NOT IMPEDE ACCESS TO ADJACENT STRUCTURE.

STOCKPILE STORAGE ITEMS:

- TRELLIS ITEMS
- STRUCTURAL STEEL
- PREFABRICATED ITEMS; STAGING BEFORE PLACEMENT.

ANTICIPATED POLLUTANTS:

 TRASH AND DEBRIS MORTAR & CONCRETE WASTE

MATERIAL & WASTE MANAGEMENT CONTROL BMPS:

WASTE & CONCRETE WASTE MANAGEMENT

MATERIAL DELIVERY & STORAGE

SPILL PREVENTION AND CONTROL

SOLID WASTE MANAGEMENT

SANITARY WASTE MANAGEMENT

TEMPORARY RUNOFF CONTROL BMPS:

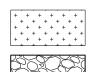
SAND BAGS

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS 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, 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.

<u>LEGEND</u>

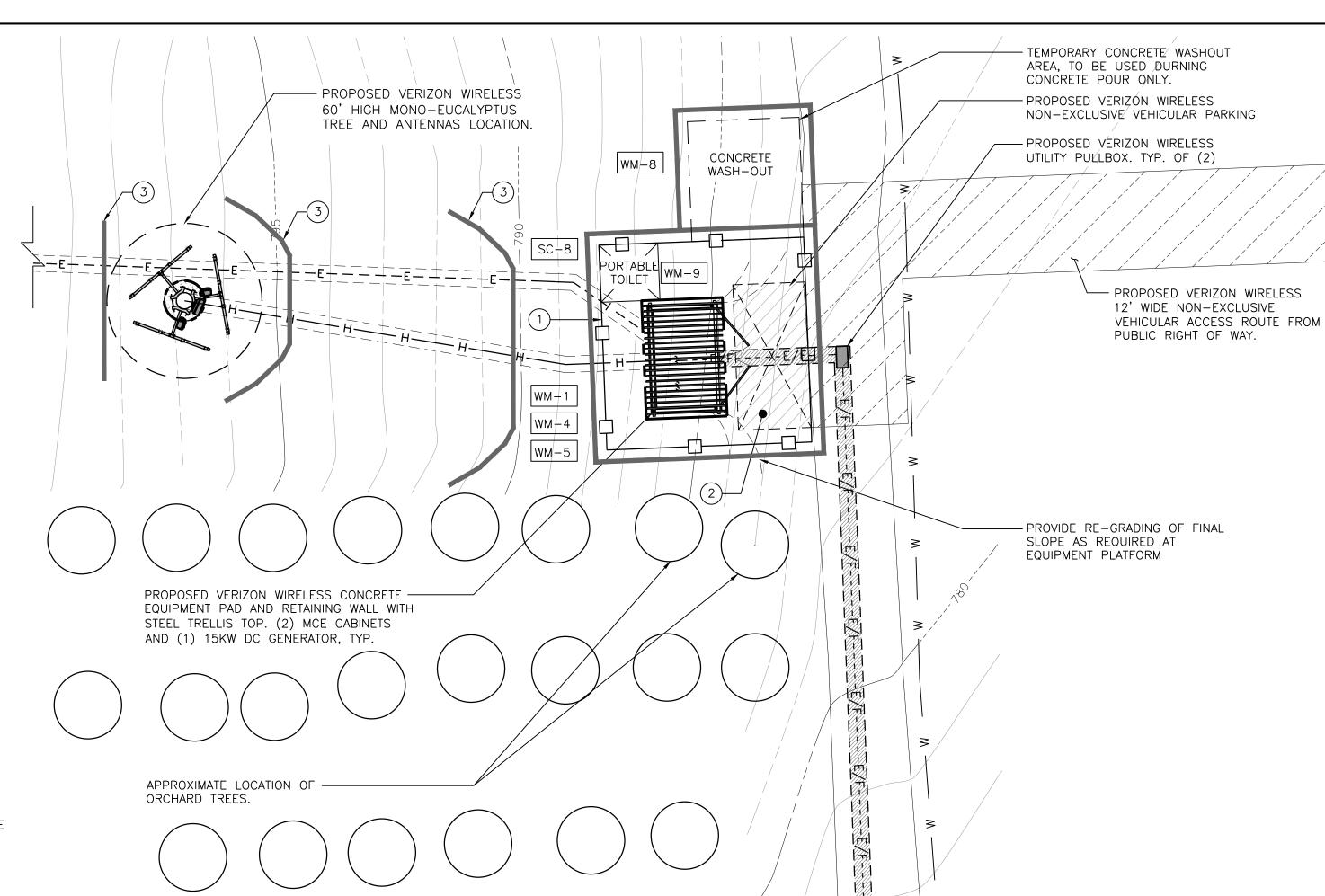
FENCE WITH GREEN FABRIC STRAW WATTLES/FIBER ROLLS

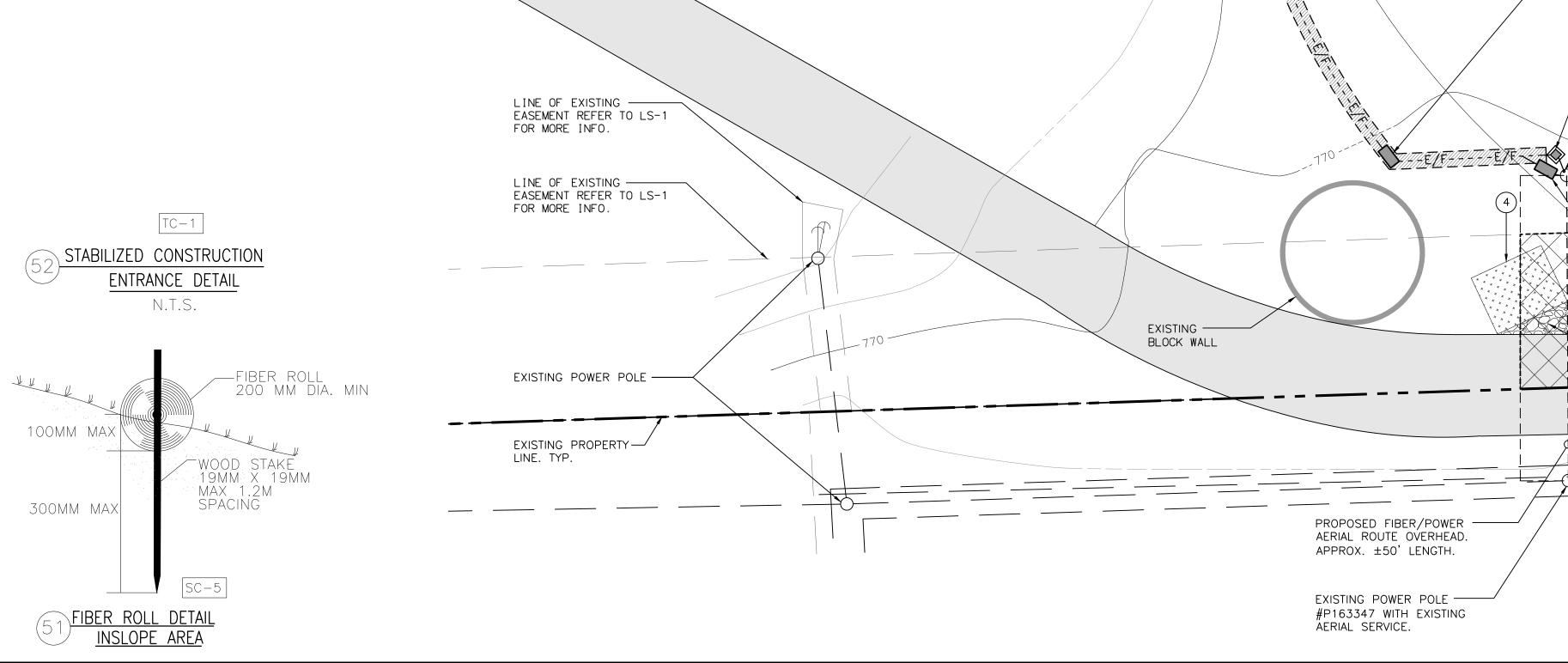


STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCTION NOTES

- (1) INSTALL TEMPORARY CHAINLINK FENCE WITH FILTER FABRIC
- (2) MATERIAL STOCK PILE AREA
- (3) INSTALL STRAW WATTLES
- (4) STEEL TRACK-OUT PLATE/STABILIZED CONSTRUCTION ENTRANCE
- (5) STONE FABRIC







15505 SAND CANYON AVE. **IRVINE, CA 92618**

—PLANS PREPARED BY:



-CLIENTS -

NO	DATE:	DESCRIPTION:	BY:
4	10/06/15	CLIENT REVISION	JY
5	10/16/15	CLIENT REVISION	SB
6	02/12/16	PLANNING COMMENTS	JY
7	02/18/16	CLIENT REVISON	КН
8	03/01/16	UTILITY REVISON	КН
9	04/19/16	DESIGN REVISON	КН
10	07/19/16	LL DESIGN REVISION	JY
11	08/17/16	PLANNING UPDATES	КН
12	11/15/16	COUNTY COMMENTS	JY
13	11/17/16	RF CHANGES	JY
14	10/02/17	PLANNING COMMENTS	CN

—SITE INFORMATION: -

PROPOSED VERIZON

WIRELESS PULL BOX.

PROPOSED VERIZON

LOCATION. PROPOSED

- EXISTING POWER POLE.

PROPOSED VERIZON

WIRELESS WEATHERHEAD

WITH FIBER/POWER 2"

PEDESTAL AT GROUND.

CONDUIT ROUTE TO

PROPOSED METER

PROPOSED VERIZON

WIRELESS 17 X 30

PULLBOX FOR FIBER

APPROX. NORTH

0 3' **6**' **12**' 3/32"=1'-

EXISTING WELL

WIRELESS METER

PEDESTAL ON CONCRETE PAD

POWER P.O.C.

(OPTION #1)

- EXISITNG DIRT ROAD

P#AL

DEER SPRINGS

124 VISTA MERRIAM SAN MARCOS, CA 92069 APN: 182-020-45-00

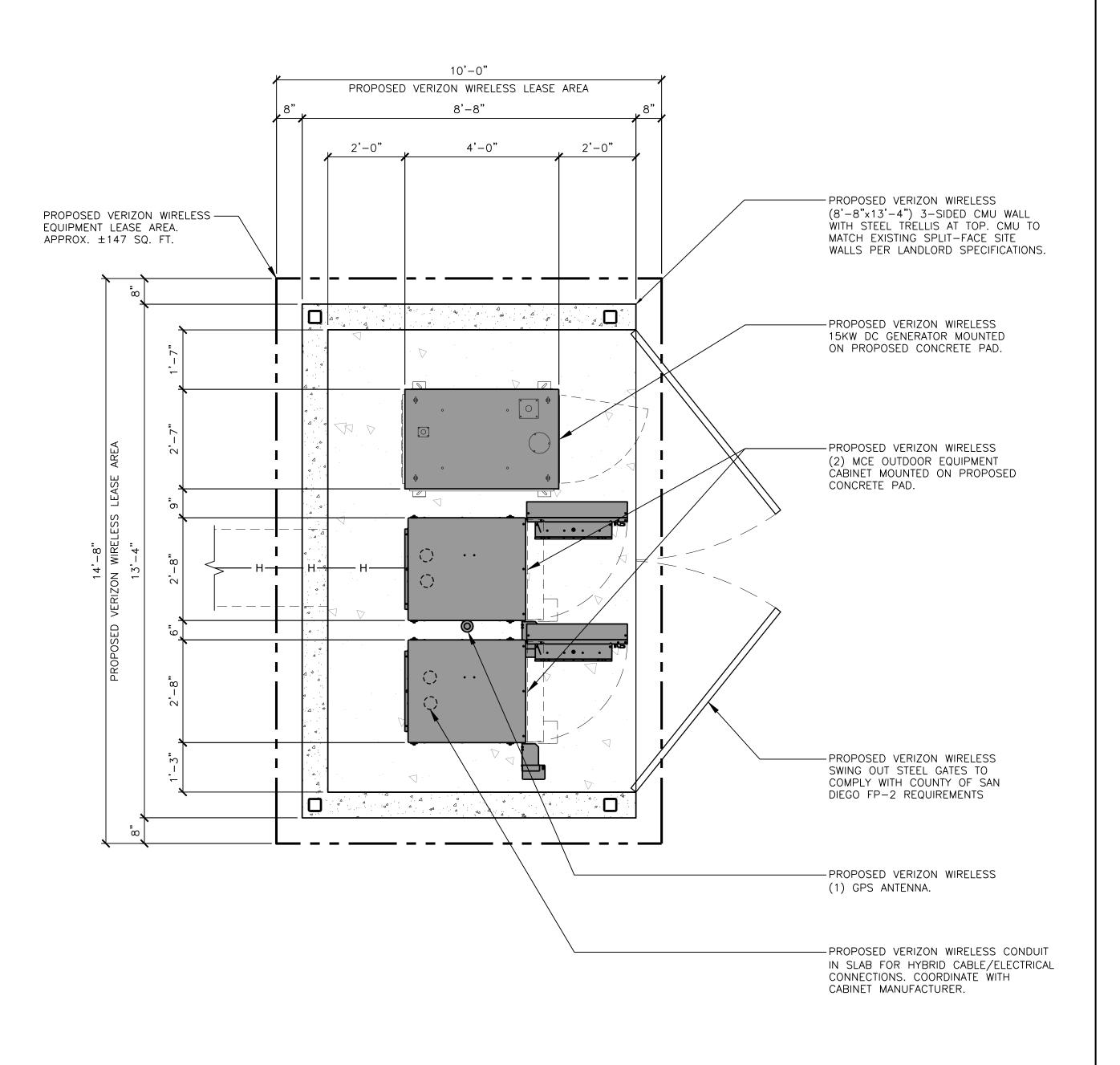
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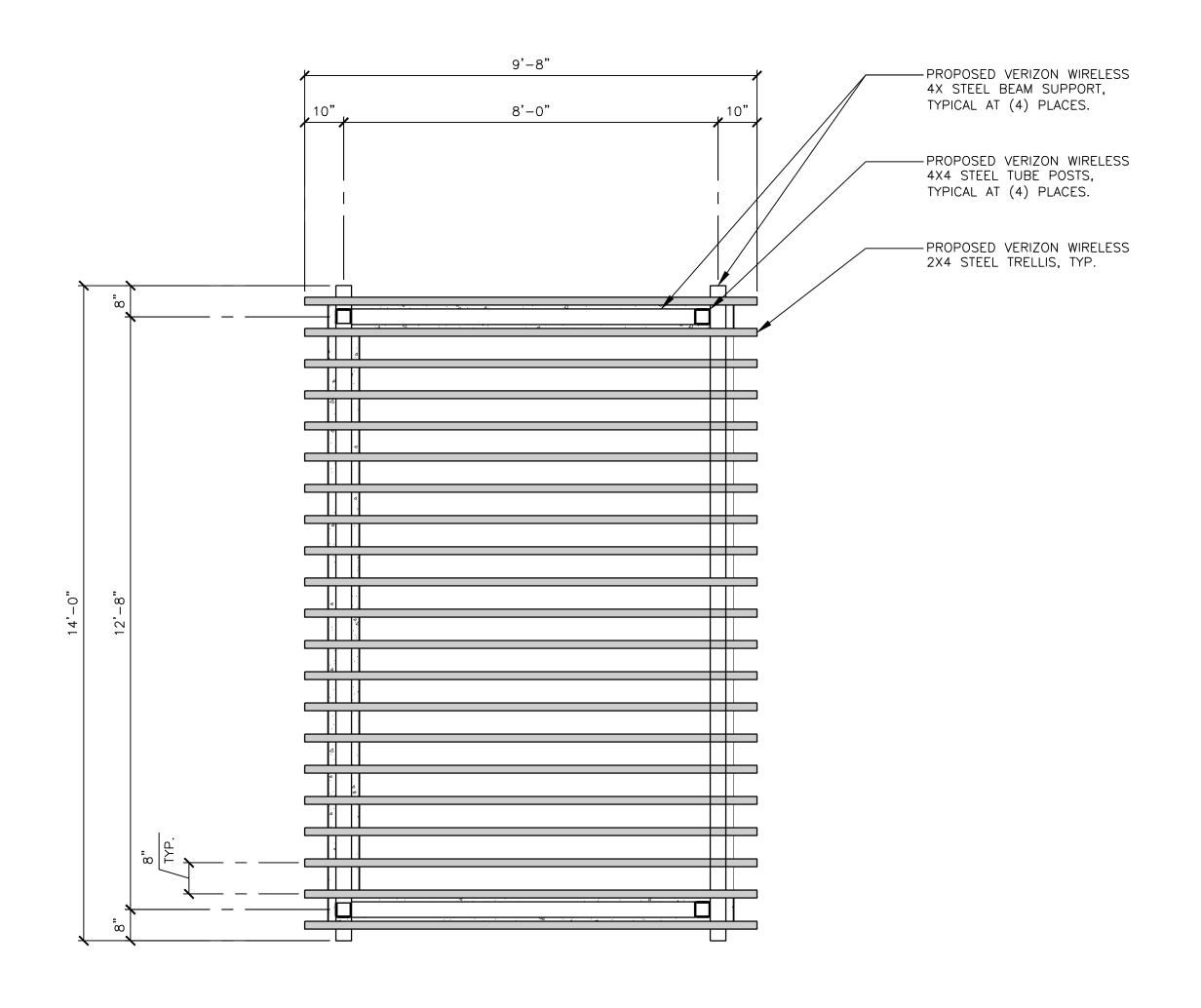
-SHEET TITLE: -

WATER POLLUTION **CONTROL PLAN**

-SHEET NUMBER

A-2.1







15505 SAND CANYON AVE. IRVINE, CA 92618

PLANS PREPARED BY:



CLIENTS ---

ΓNO	DATE:	—DESCRIPTION:———	BY:
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5	10/16/15	CLIENT REVISION	SB
6	02/12/16	PLANNING COMMENTS	JY
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12	11/15/16	COUNTY COMMENTS	JY
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SITE INFORMATION:

DEER SPRINGS

124 VISTA MERRIAM SAN MARCOS, CA 92069 APN: 182-020-45-00

-SEAL:		

SHEET TITLE:

PROPOSED EQUIPMENT
LAYOUT AND
ENCLOSURE TRELLIS
PLANS

SHEET NUMBER:





PROPOSED EQUIPMENT ENCLOSURE TRELLIS PLAN

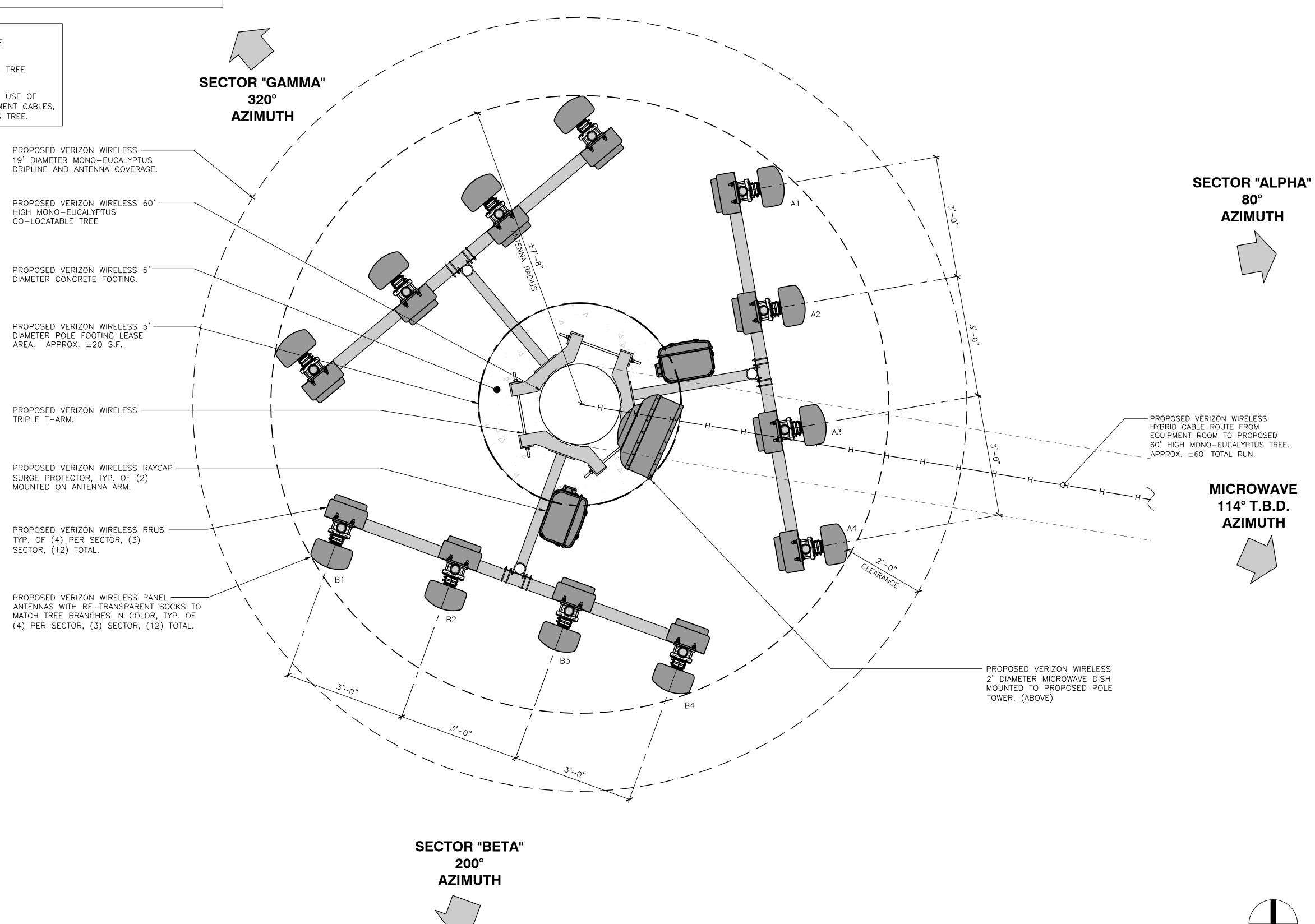
| SCALE: | 1/2"=1'-0" | 2

HYBRID/ANTENNA SCHEDULE

ANTENNA SECTOR	AZIMUTH	ANTENNA COUNTS	HYBRID TRUNK CABLE LENGTH
ALPHA	80°	(4)	120'±
BETA	200°	(4)	120'±
GAMMA	320°	(4)	120'±
MW	138°	(1)	120'±

NOTE: CONSTRUCTION MANAGER TO FIELD VERIFY CABLE LENGTHS PRIOR TO OPENING, FABRICATION, OR INSTALLATION OF CABLES CHECK RF DATE SHEET.

- 1. THERE WILL BE 2' MINIMUM CLEARANCE FROM THE EDGE OF ANTENNAS TO BRANCH FOLIAGE.
- 2. PROPOSED VERIZON WIRELESS MONO-EUCALYPTUS TREE BRANCHES NOT SHOWN FOR CLARITY.
- 3. SCREENING TO THE ANTENNAS WILL INCLUDE THE USE OF 'SOCKS' ON ALL ANTENNAS, AND PAINTING ALL EQUIPMENT CABLES, WIRES, RRU'S ETC. TO MATCH THE MONO-EUCALYPTUS TREE.



verizon

15505 SAND CANYON AVE. IRVINE, CA 92618

PLANS PREPARED BY:



-CLIENTS -

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12	11/15/16	COUNTY COMMENTS	JY
13	11/17/16	RF CHANGES	JY
14	10/02/17	PLANNING COMMENTS	CN

—SITE INFORMATION:

DEER SPRINGS

124 VISTA MERRIAM SAN MARCOS, CA 92069 APN: 182-020-45-00

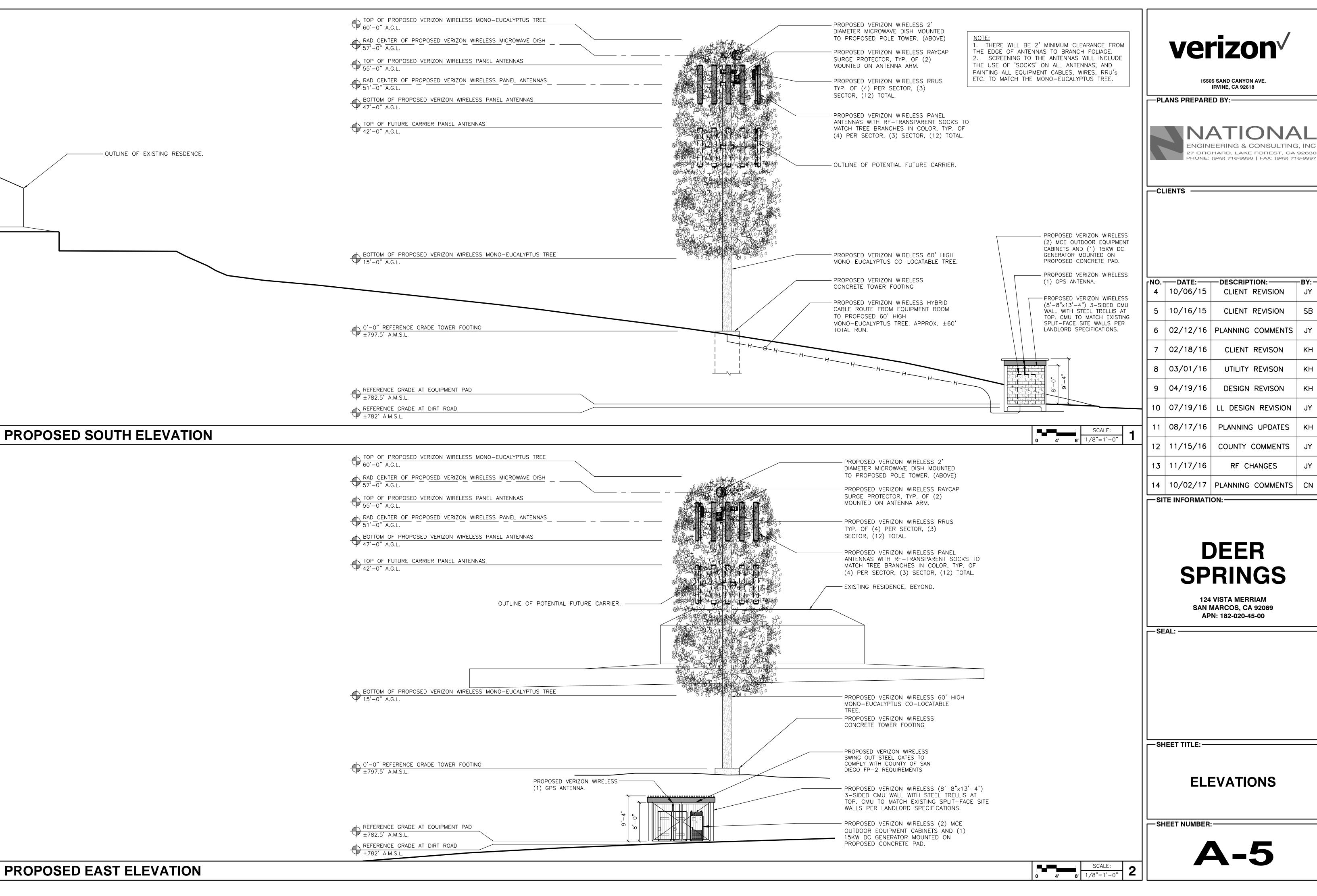
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-SHEET TITLE: -

PROPOSED ANTENNAS LAYOUT PLAN

APPROX. NORTH

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





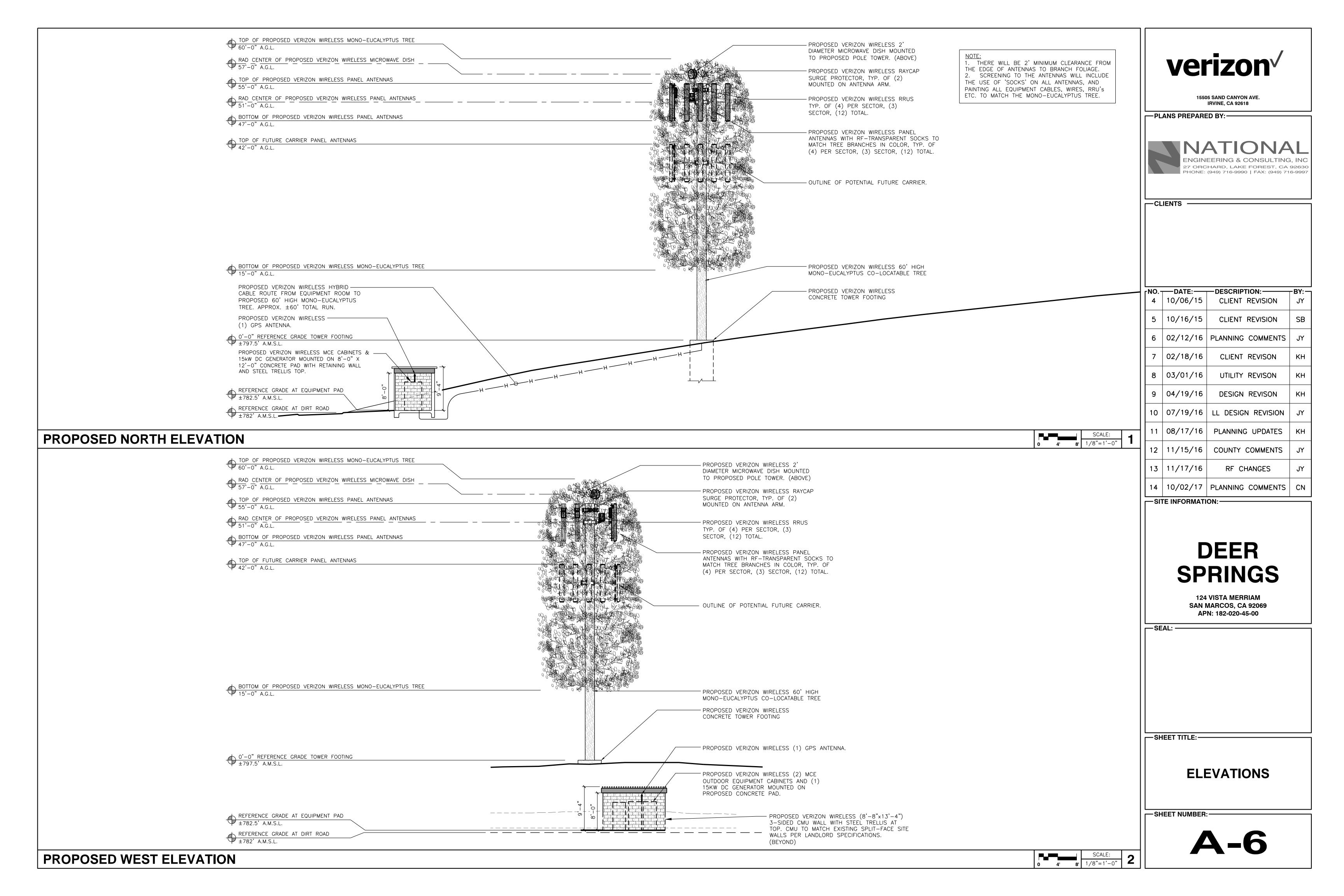


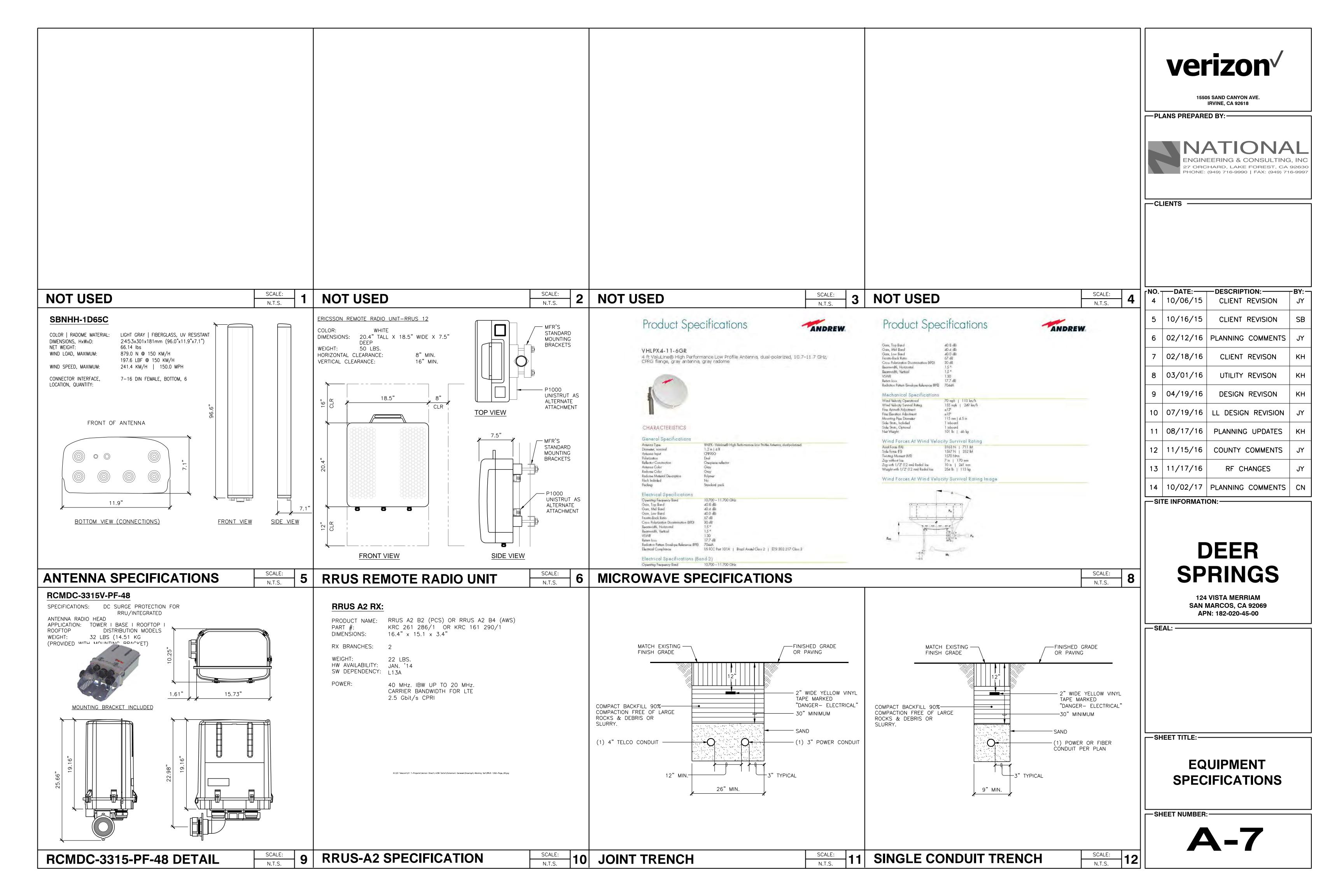
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	۲NO	DATE:	—DESCRIPTION:	BY:
	4	10/06/15	CLIENT REVISION	JY
	5	10/16/15	CLIENT REVISION	SB
	6	02/12/16	PLANNING COMMENTS	JY
	7	02/18/16	CLIENT REVISON	кн
	8	03/01/16	UTILITY REVISON	кн
	9	04/19/16	DESIGN REVISON	кн
$\frac{1}{1}$	10	07/19/16	LL DESIGN REVISION	JY
	11	08/17/16	PLANNING UPDATES	кн
	12	11/15/16	COUNTY COMMENTS	JY
	13	11/17/16	RF CHANGES	JY
	14	10/02/17	PLANNING COMMENTS	CN

SPRINGS

SAN MARCOS, CA 92069

ELEVATIONS



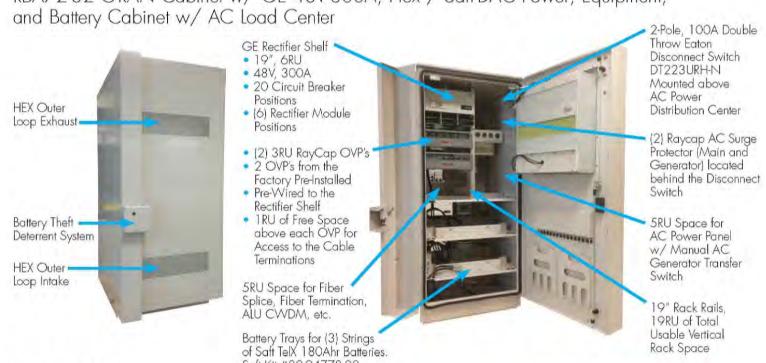


COMMSCOPE®

Product Specifications

RBA72-32

RBA72-32 C-RAN Cabinet w/GE 48V-300A, Hex / Saft-DAC Power, Equipment,



How to Order	Battery Trays for (3 of Saft TeIX 180A) Saft Kit #80-94 <i>77</i>	nr Batteries.	Usable Vert Rack Space
Description RBA72-32 C-RAN, 48\ and AC Generator Inlet RBA72-32 C-RAN, 48\ and w/o AC Generator	/-300A, w/ AC Load Center	CommScope part # 760205971 760205989 109158878	Additional Features GE Energy Pulsar controller included Sealed to outside environment Rear access panels (2) GR-487 Zone 4 compliant
Battery Voltage C RBA72-32 w/ 3 strings Features	Configuration @ 48VDC, 540Ahr Total		 OSHA Safety Agency Listed Batteries and rectifier modules not include Internal AC Load Center Main: 2-Pole, 100A
Dimensions As Shipped Weight Total Weight Cooling Technology Alarm Block Alarms	H 72" X D 42" X W 32" 500 lbs., no batteries 2,000 lbs with batteries and reci Heat exchanger with controller a Screw down terminal Door, fuse, fan, high battery temp	nd variable speed fans	- Generator: 2-Pole, 100A - Rectifier #1: 2-Pole, 40A - Rectifier #2: 2-Pole, 40A - Rectifier #3: 2-Pole, 40A - GFCI: 1-Pole, 20A • (2) Raycap AC Surge Protectors • (2) Raycap RRH Rack Mount OVP Units
OPEX Savings Reduced savings throug (Heat exchanger and be	h optimized cooling solutions attery direct air cooling)		that are pre-wired to the Power Plant (2) Raycap RRH Rack Mount OVP Units that are pre-wired to the Power Plant

(Heat exchanger and battery direct air cooling) High efficiency rectifier modules Reduced maintenance—no compressor or filters

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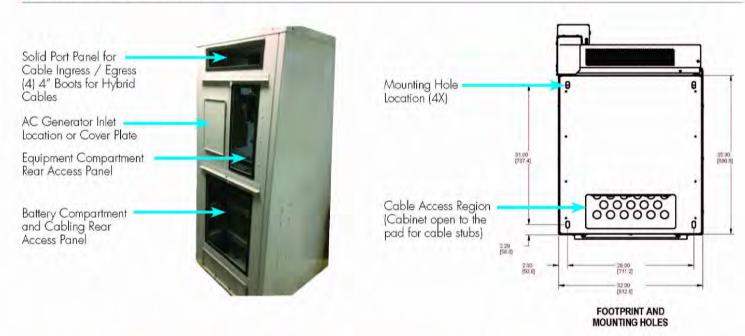
w/ (12) 25A Circuit Breakers installed

ANDREW.

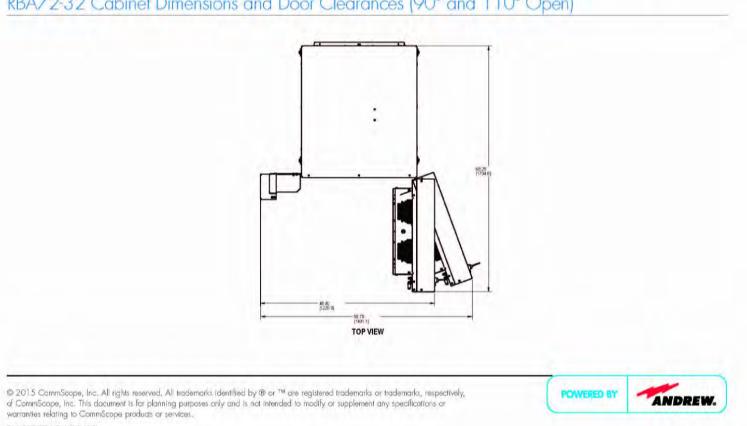
COMMSCOPE® Product Specifications

RBA72-32 C-RAN Cabinet w/GE 48V-300A, Hex / Saft-DAC Power, Equipment, and Battery Cabinet w/ AC Load Center

RBA72-32 Rear Cabinet View



RBA72-32 Cabinet Dimensions and Door Clearances (90° and 110° Open)





2 00000

8220Y-3TNV88 GENERATOR SPECIFICATIONS 15kW Diesel Fueled

ENGINE

	Yanmar 3TNV88 3 In-line
Displacement	1642 (cc)NaturalEPA and CARB Certified1500RPM to 1850RPM
Engine Start SuperCa SuperCapacitor DC-D Muffler	pacitor14.4V C Charger>1ADual Aluminum with Electric Fan
FUEL SYSTE	

.Diesel Fuel ..Double Wall – UL 142 Capacity.. .54 Gallons

ALTERNATOR

Туре	Permanent Magnet
Regulation Type	
RippleLess t	han 50 millivolts RMS
No. of Poles	32
Overcurrent Protection	350A
Disconnect Means	Fused Disconnect

ENGINE CONTROLLER

Engine Controller model... Instrumentation...... ...Generator output voltage, amperage, kW, Coolant, Temperature, RPM, Hour meter, maintenance intervals, Starting circuit voltage

Automatic Shutdown & Alarm for:.. Under/ Over-speed, Low Oil Pressure, High Coolant Temp, Fail to Start

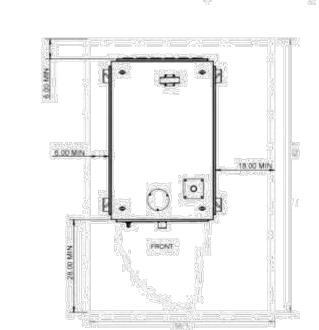
Warning Alarm for:.... Fuel Level, Fuel Tank Rupture Basin, Low/High Engine Battery Voltage, High Water Temp, and Low Oil Press, Pre-alarm

Glow Plug Delay.....Automatic with temp Engine Start Delay......Adj. set at 60 seconds Return to Utility Delay......Adj. set at 60 seconds Engine Cool-Down......Adj. set at 60 seconds Exerciser.....Programmable/ bi-weekly

Contact Closure for Remote Indication Shutdown Alarm, Warning Alarm, Engine Run, Low Fuel Level, Fuel Leak, E-Stop Depressed

ENCLOSURE

LINOLOGOTAL	
Model88-25-0603 TypeWeather Protective Materials Marine Grade Aluminum	31,002 P1
Sound Attenuated	2
MountingSecure Mounting Tabs Dimensions	



Genset UL 2200 LISTED ETL listed per UL 2200 by Interek Testing Labs. Fuel tank is UL 142 Listed

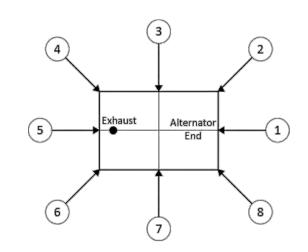
For more information contact: info@polarpowerinc.com

POLAR

Type of Test	Sound Test	Serial No.	n/a
Test No.	080415	Controller serial No.	n/a
Generator model	8220Y-3TNV88-001 (15kW) Diesel	Observer	PY/JB
Enclosure model	88-25-0603	Date	6 Jun. 2015

Sound Pressure Levels in dB(A)

	0 11	Frequency Spectrum Levels								
Position	Overall Level				Center	r Frequenc	y (Hz)			
		31.5	63	125	250	500	1000	2000	4000	8000
1	64.4		45.3	49.5	51.4	50.5	49.8	46.5	44.1	38.2
2	65.1		47.2	48.4	49.9	49.1	46.8	46.1	45.4	38.6
3	63.8		44.4	48.2	48.0	49.7	47.6	46.0	46.5	38.6
4	63.9		44.8	48.1	45.9	50.4	48.7	47.2	46.8	40.0
5	64.7	-	45.0	48.0	48.7	50.9	49.9	46.6	46.9	40.7
6	63.8	-	44.4	47.7	48.5	49.9	49.1	46.7	47.2	40.9
7	64.7		44.3	48.2	46.6	49.9	48.5	46.6	46.2	39.2
8	64.5	1	46.0	47.1	46.4	49.6	48.3	46.9	46.2	40.5
Average	64.4		45.2	48.1	48.2	50.0	48.6	46.6	46.2	39.6



- 1. Generator operating at full rated load 2. Generator configuration includes quiet exhaust system
- 3. All measurement positions are 7 m (23 ft.) from center of generator set and 1 m (3.3 ft.) height
- 4. Test conducted outside on an asphalt surface, temperature 72°F, humidity 69%, wind 12 mph, barometer 29.65 in Hg. 5. Meter used - Phonic PAA2, Serial No. OGA0H80208

verizon

15505 SAND CANYON AVE. **IRVINE, CA 92618**

—PLANS PREPARED BY:



—CLIENTS —

NO	DATE:	—DESCRIPTION:	BY:
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8	03/01/16	UTILITY REVISON	КН
9	04/19/16	DESIGN REVISON	КН
10	07/19/16	LL DESIGN REVISION	JY
11	08/17/16	PLANNING UPDATES	КН
12	11/15/16	COUNTY COMMENTS	JY
13	11/17/16	RF CHANGES	JY
14	10/02/17	PLANNING COMMENTS	CN

—SITE INFORMATION:-

DEER SPRINGS

124 VISTA MERRIAM SAN MARCOS, CA 92069 APN: 182-020-45-00

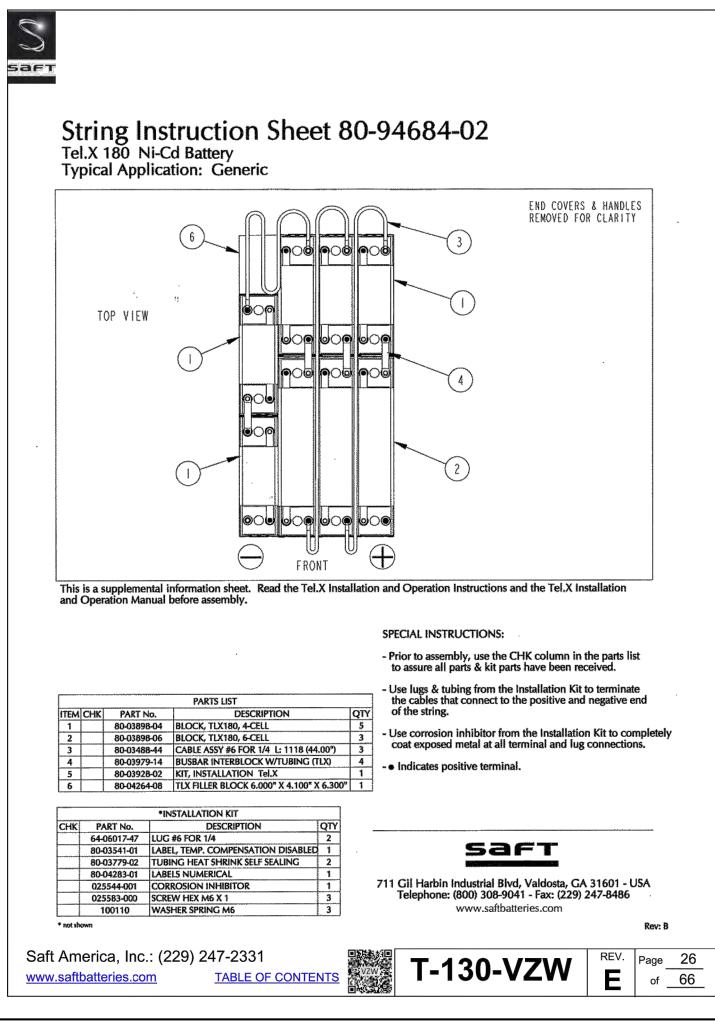
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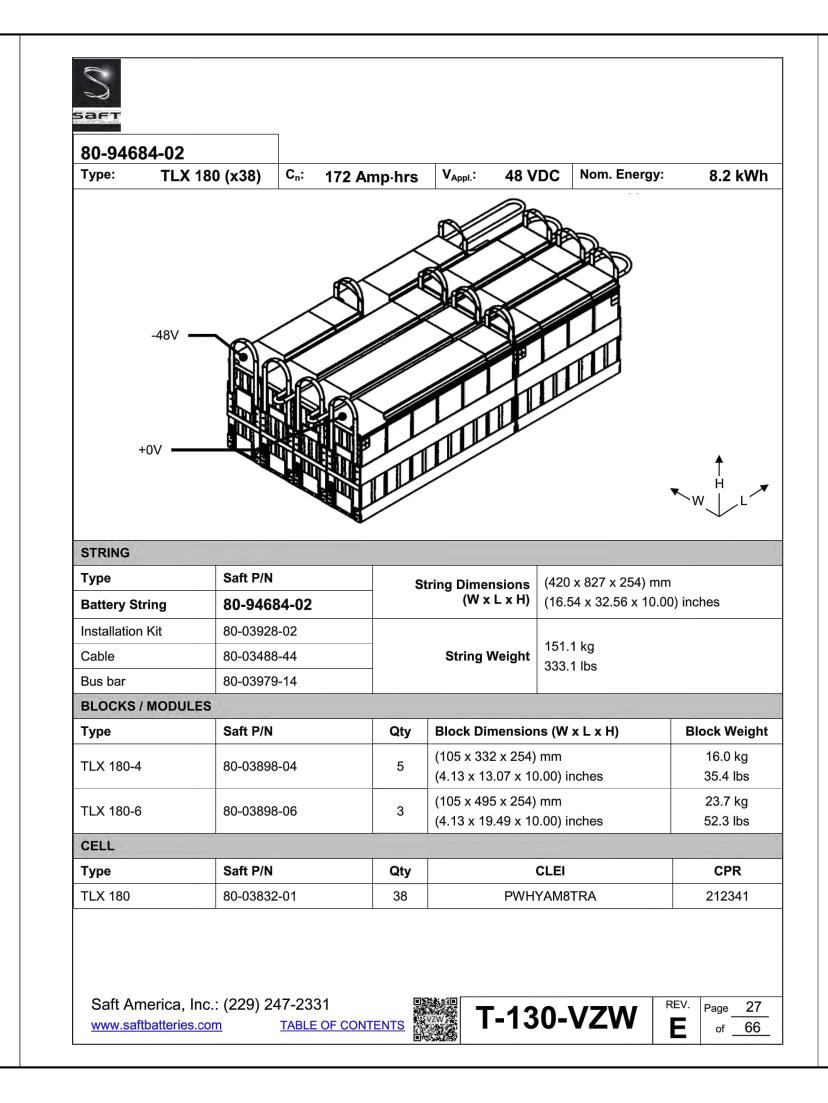
-SHEET TITLE: -

MCE CABINET AND **GENERATOR SPECIFICATIONS**

warranties relating to CommScope products or services.

PA-108937.1-EN (03/15)





BATTERY SPECIFICATIONS:

1. BATTERY MANUFACTURER:

2. ADDRESS:

3. PHONE:

4. BATTERY TYPE: 5. BATTERY WEIGHT: 6. ELECTROLYTE QUANTITY:

7. BATTERY QUANTITY: 8. TOTAL WEIGHT: 9. ELECTROLYTE QTY.: SAFT AMERICA, INC. 711 GIL HARBIN INDUSTRIAL BLVD VALDOSTA, GA 31601 (800) 308-9041

SAFT TELX180 (80-94684-02) 333.1 LBS. PER STRING (8) BATTERIES 8.09 GALLONS PER STRINGS 24 MAXIMUM

> (3) STRINGS X 333.1 LBS = 999.3 LBS 3 STRINGS X 8.09 GALLONS = 24.27 GALLONS

NOTE: TOTAL BATTERY ELECTROLYTE STORED ON SITE: 24.27 GAL.

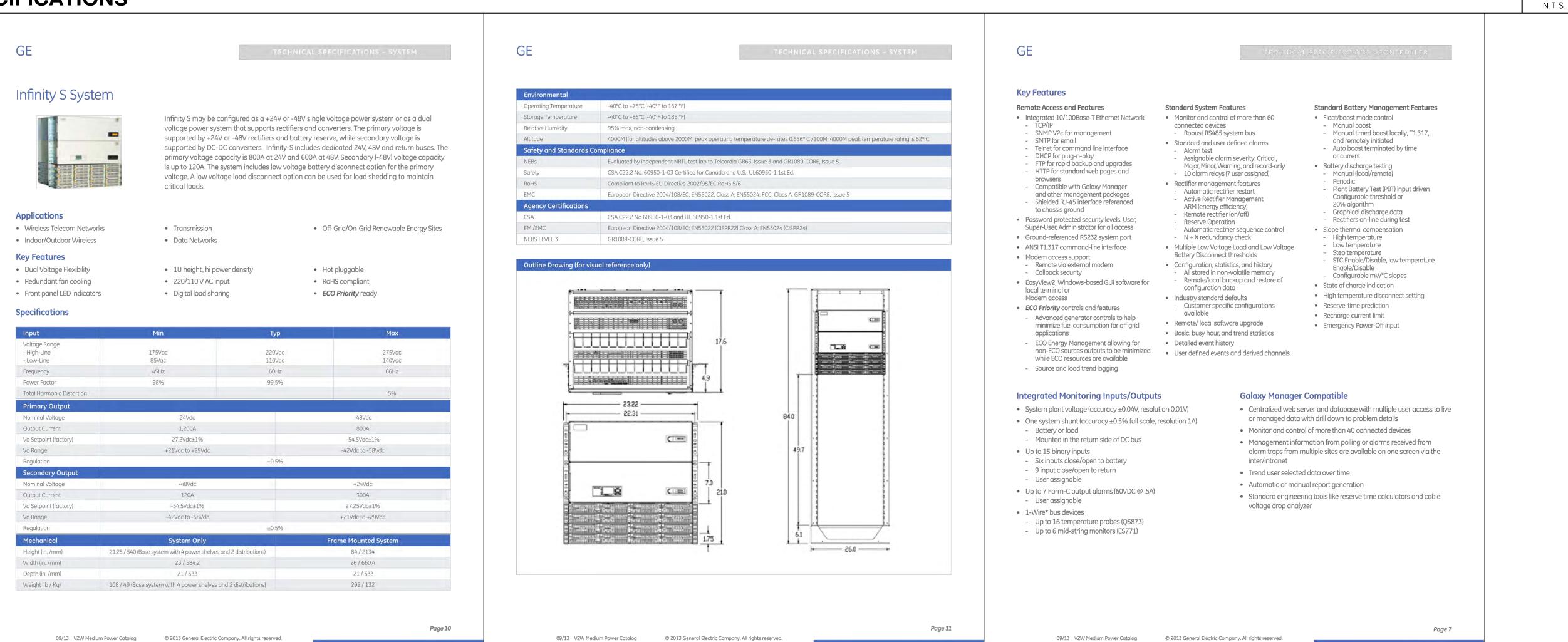
2013 CFC: 608.1 SCOPE. STATIONARY STORAGE BATTERY SYSTEMS HAVING AN ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS (189 L) FOR FLOODED LEAD-ACID, NICKEL CADMIUM (NI-CD) AND VALVE-REGULATED LEAD-ACID (VRLA), OR MORE THAN 1,000 POUNDS (454 KG) FOR LITHIUM-ION AND LITHIUM METAL POLYMÈR, USED FOR FACILITY STANDBY POWER, EMERGENCY POWER OR UNINTERRUPTIBLE POWER SUPPLIES SHALL COMPLY WITH THIS SECTION (2013 CFC 608) AND TABLE 608.1.

THE REQUIRED PROTECTION FOR EACH TYPE OF BATTERY SHALL COMPLY WITH TABLE 608.1 OF THE 2013 CFC.

AN APPROVED, AUTOMATIC SMOKE DETECTION SYSTEM MUST BE INSTALLED IN ACCORDANCE WITH CFC SECTION 608.9 IN ROOMS CONTAINING STATIONARY BATTERY SYSTEMS.

BATTERY SPECIFICATIONS

POWER REGULATION





15505 SAND CANYON AVE. **IRVINE, CA 92618**

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-SITE INFORMATION: -

DEER SPRINGS

124 VISTA MERRIAM SAN MARCOS, CA 92069 APN: 182-020-45-00

-SEAL: -

—SHEET TITLE:—

BATTERY SPECIFICATIONS

—SHEET NUMBER

SCALE:

N.T.S.

