DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
1010 10TH Street, Suite 3400, Modesto, CA 95354
Planning Phone: (209) 525-6330 Fax: (209) 525-5911
Building Phone: (209) 525-6557 Fax: (209) 525-7759

Referral
Early Consultation

Date: **October 16, 2023**

To: **Distribution List (See Attachment A)**

From: **Shante Ruiz, Staff Services Technician**
Planning and Community Development

Subject: **STAFF APPROVAL APPLICATION NO. PLN2023-0112 – SBA TOWERS VIII, LLC**

Respond By: **October 31, 2023**

****PLEASE REVIEW REFERRAL PROCESS POLICY****

The Stanislaus County Department of Planning and Community Development is soliciting comments from responsible agencies under the Early Consultation process to determine: a) whether or not the project is subject to CEQA and b) if specific conditions should be placed upon project approval.

Therefore, please contact this office by the response date if you have any comments pertaining to the proposal. Comments made identifying potential impacts should be as specific as possible and should be based on supporting data (e.g., traffic counts, expected pollutant levels, etc.). Your comments should emphasize potential impacts in areas which your agency has expertise and/or jurisdictional responsibilities.

These comments will assist our Department in preparing the conditions for a Staff Approval. Therefore, please list any conditions that you wish to have included as well as any other comments you may have. Please return all comments and/or conditions as soon as possible or no later than the response date referenced above.

Thank you for your cooperation. Please call (209) 525-6330 if you have any questions.

Applicant: **Paul Del Bene, SBA Towers VIII, LLC**

Project Location: **21702 Davis Road, between Fink Road and Crow Creek, in the Crows Landing Area.**

APN: **027-017-065**

Williamson Act Contract: **72-1084**

General Plan: **Agriculture**

Current Zoning: **General Agriculture (A-2-40)**

Project Description: **Request to extend an existing 92-foot-tall monopole style cell tower to a new height of 112 feet, on a 164± acre parcel in the General Agriculture (A-2-40) zoning district. This request also includes the installation of: three Ericsson Air 6419 B41 Antenna at 108' (1 per sector); Commscope FFVV-65C-R3-V1 Antenna at 108' (1 per sector); Radio 4480 RRH (1 per sector); Radio 4460 RRH (1 per sector); Sitepro1 VFA8-RRU Antenna Mounts (1 per sector); two 6x24 4AWG Hybrid Cables; one B160 Battery Cabinet; 6160 Cabinet; and a 60 square-foot equipment pad, within the existing 2,504± square-foot chain linked compound. The site has access to County-maintained Davis Road, via a 15-foot-wide utility easement.**

Full document with attachments available for viewing at:
http://www.stancounty.com/planning/pl/act-projects.shtm

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
1010 10TH Street, Suite 3400, Modesto, CA 95354
Planning Phone: (209) 525-6330 Fax: (209) 525-5911
Building Phone: (209) 525-6557 Fax: (209) 525-7759

STAF APPROVAL APPLICATION NO. PLN2023-0112 – SBA TOWERS VIII, LLC
Attachment A

Distribution List

X	FIRE PROTECTION DIST: W STANISLAUS	X	STAN CO ALUC
X	STAN CO BUILDING PERMITS DIVISION	X	WATER DIST: DEL PUERTO
X	STAN CO HAZARDOUS MATERIALS	X	STAN CO PUBLIC WORKS
X	STANISLAUS FIRE PREVENTION BUREAU	X	STAN CO SUPERVISOR DIST 5: C. CONDIT
X	CROP DUSTERS	X	SURROUNDING LAND OWNERS
X	PACIFIC GAS & ELECTRIC		

STANISLAUS COUNTY
CEQA REFERRAL RESPONSE FORM

TO: **Stanislaus County Planning & Community Development**
1010 10th Street, Suite 3400
Modesto, CA 95354

FROM: _____

SUBJECT: **STAFF APPROVAL APPLICATION NO. PLN2023-0112 – SBA TOWERS VIII, LLC**

Based on this agency's particular field(s) of expertise, it is our position the above described project:

_____ Will not have a significant effect on the environment.
_____ May have a significant effect on the environment.
_____ No Comments.

Listed below are specific impacts which support our determination (e.g., traffic general, carrying capacity, soil types, air quality, etc.) – (attach additional sheet if necessary)

1.
2.
3.
4.

Listed below are possible mitigation measures for the above-listed impacts: *PLEASE BE SURE TO INCLUDE WHEN THE MITIGATION OR CONDITION NEEDS TO BE IMPLEMENTED (PRIOR TO RECORDING A MAP, PRIOR TO ISSUANCE OF A BUILDING PERMIT, ETC.):*

1.
2.
3.
4.

In addition, our agency has the following comments (attach additional sheets if necessary).

_____

_____

Response prepared by:

_____

Name Title Date

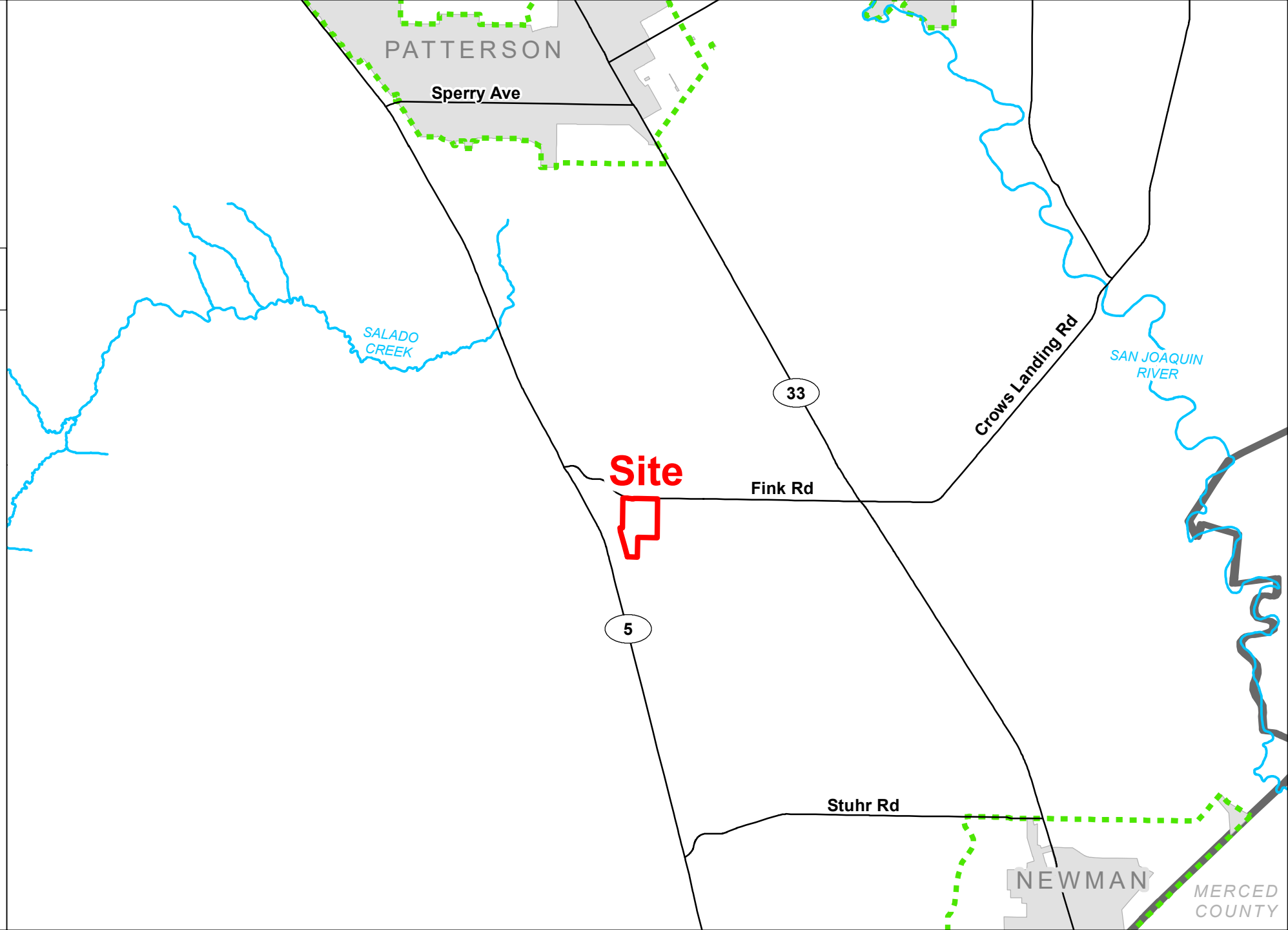
SBA TOWERS VIII LLC

SAA PLN2023-0112

AREA MAP

LEGEND

- Project Site
- Sphere of Influence
- City
- Road
- River



N

0 2mi

0 2km

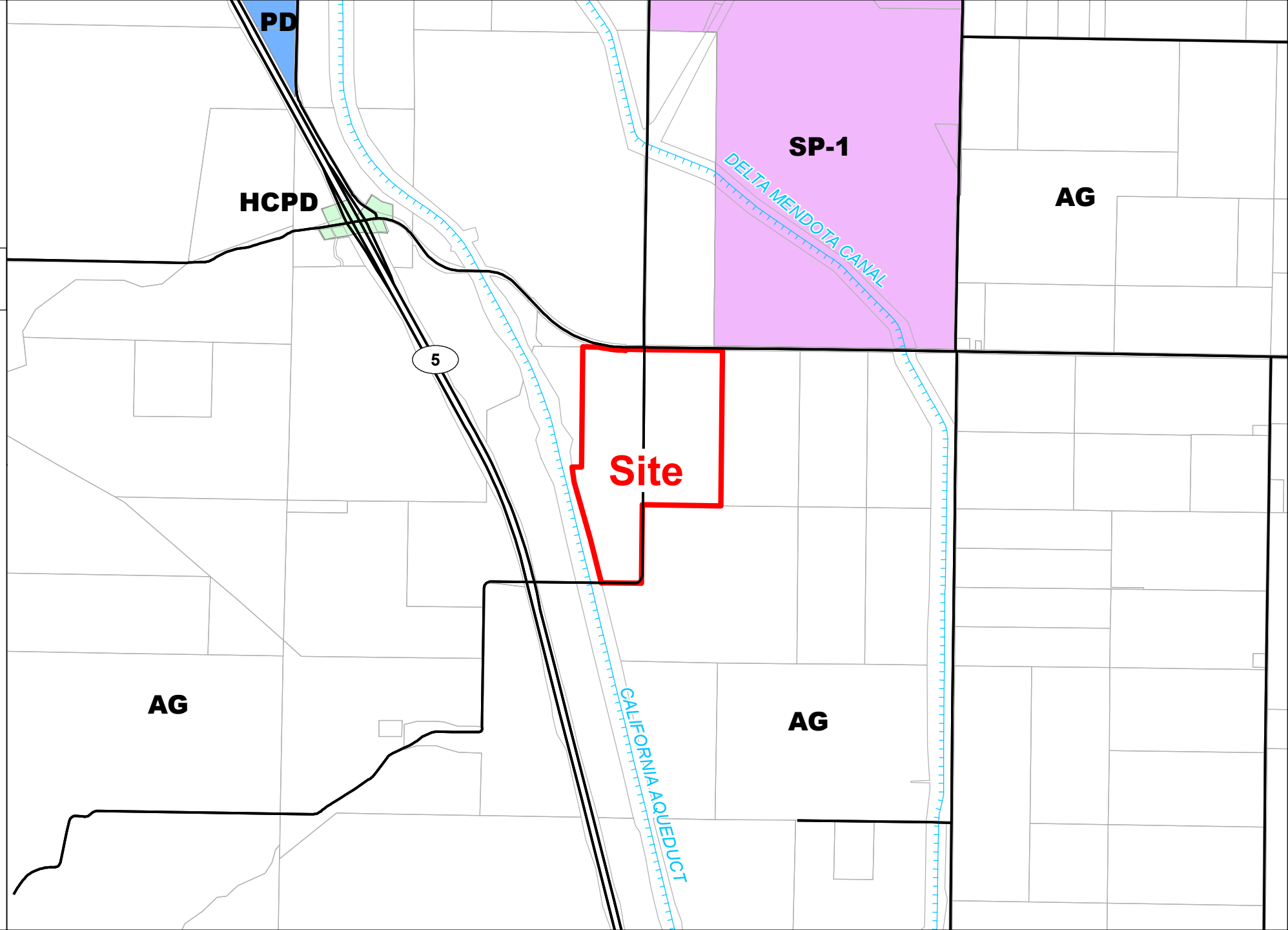
Source: Planning Department GIS

Date: 10/4/2023

SBA TOWERS VIII LLC

SAA PLN2023-0112

GENERAL PLAN MAP



LEGEND

- Project Site
- Parcel
- Road
- Canal

General Plan

- Agriculture
- Planned Development
- Specific Plan
- Highway Commercial / Planned Development

N

0 3,000 ft

0 1,000 m

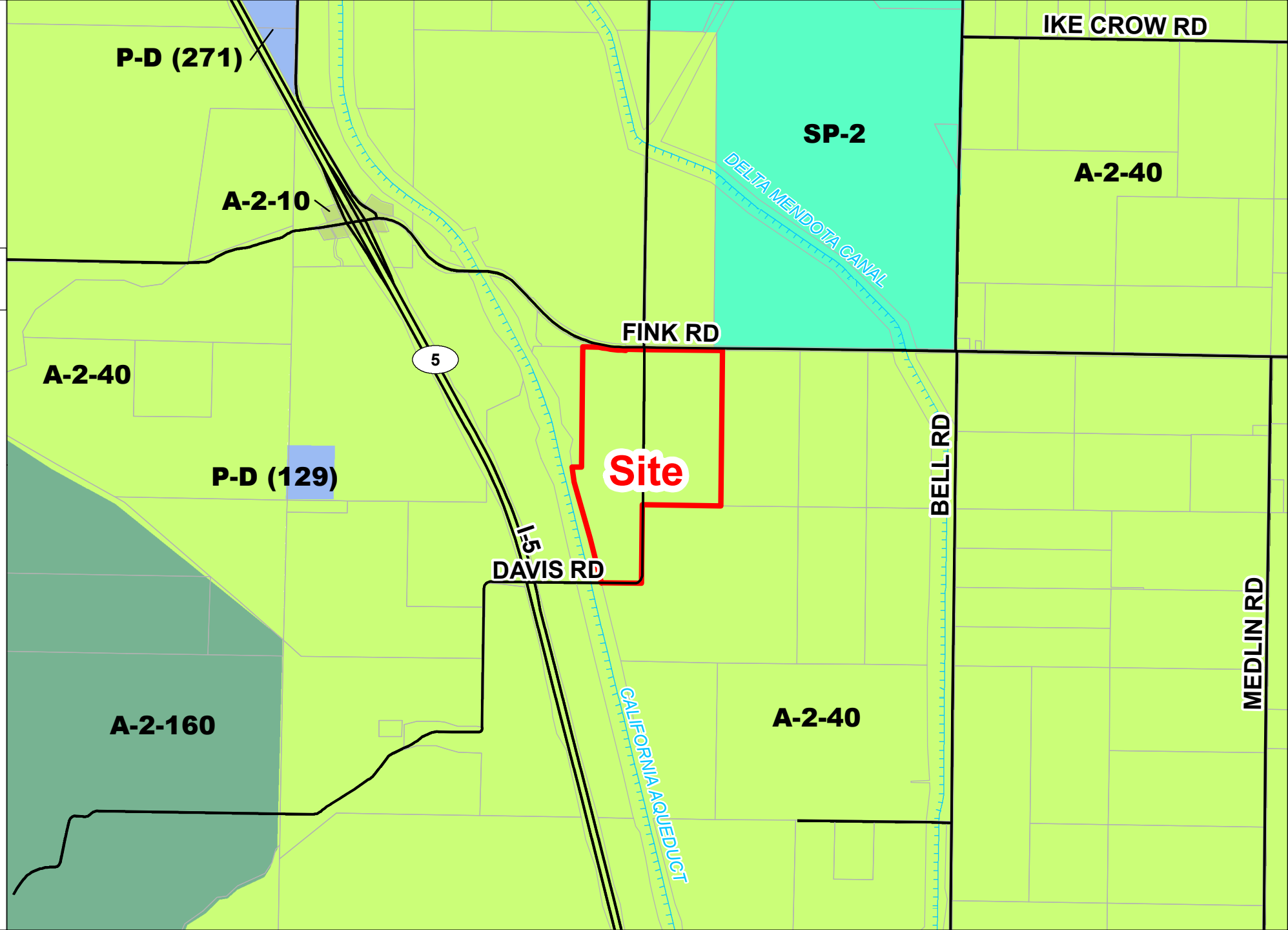
Source: Planning Department GIS

Date: 10/4/2023

SBA TOWERS VIII LLC

SAA PLN2023-0112

ZONING MAP



LEGEND

- Project Site
- Parcel
- Road
- Canal

Zoning Designation

- General Agriculture 10 Acre
- General Agriculture 40 Acre
- General Agriculture 40 Acre
- Planned Development
- Specific Plan

N

0 3,000 ft

0 1,000 m

Source: Planning Department GIS

Date: 10/4/2023

SBA TOWERS VIII LLC

SAA PLN2023-0112

2023 AERIAL AREA MAP

LEGEND

- Project Site
- Road
- Canal

N

0 3,000 ft

0 1,000 m

Source: Planning Department GIS

Date: 10/4/2023

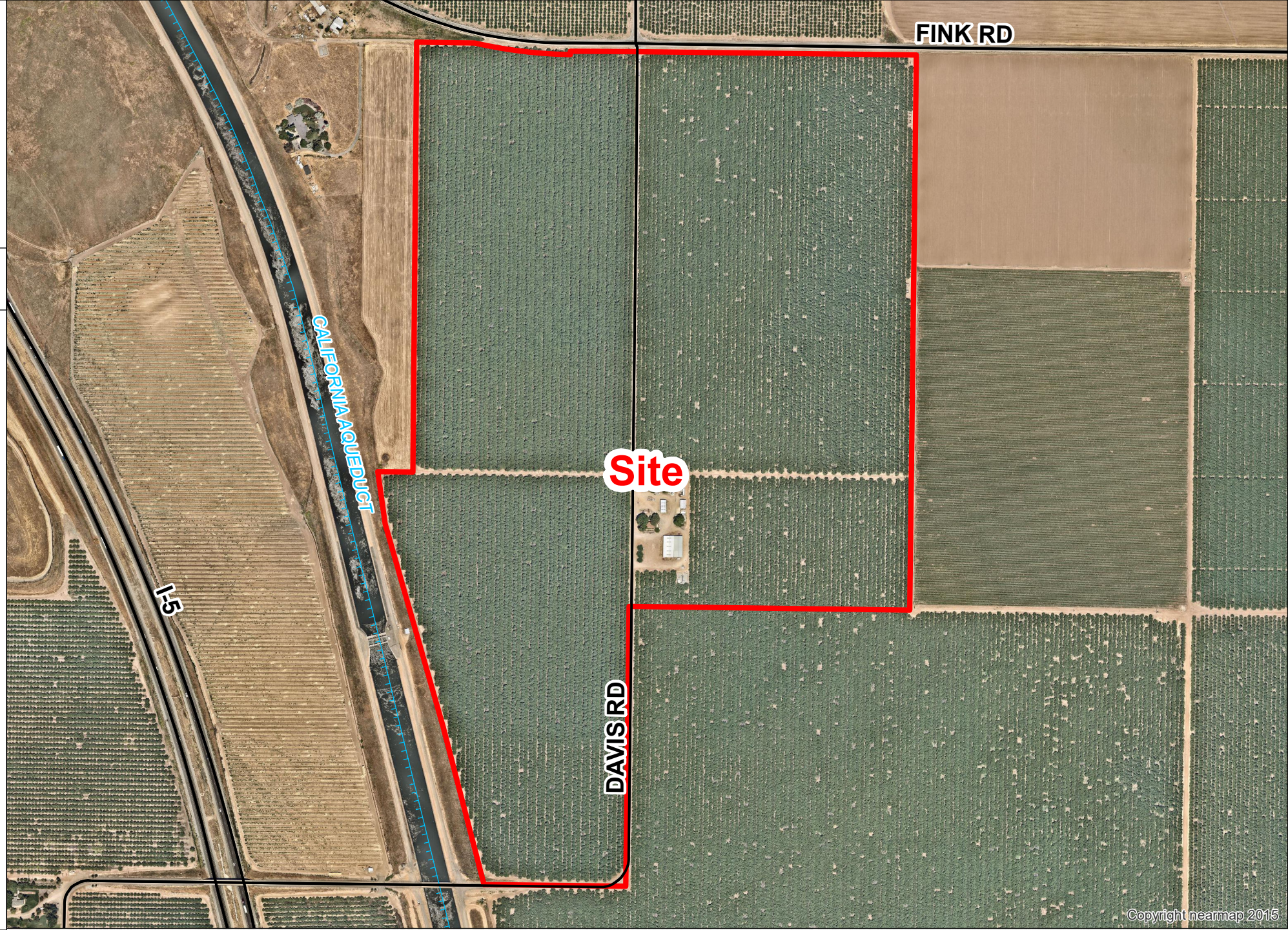
SBA TOWERS VIII LLC

SAA PLN2023-0112

2023 AERIAL SITE MAP

LEGEND

- Project Site
- Road
- Canal



N

0 400ft

0 100m

Source: Planning Department GIS

Date: 10/4/2023

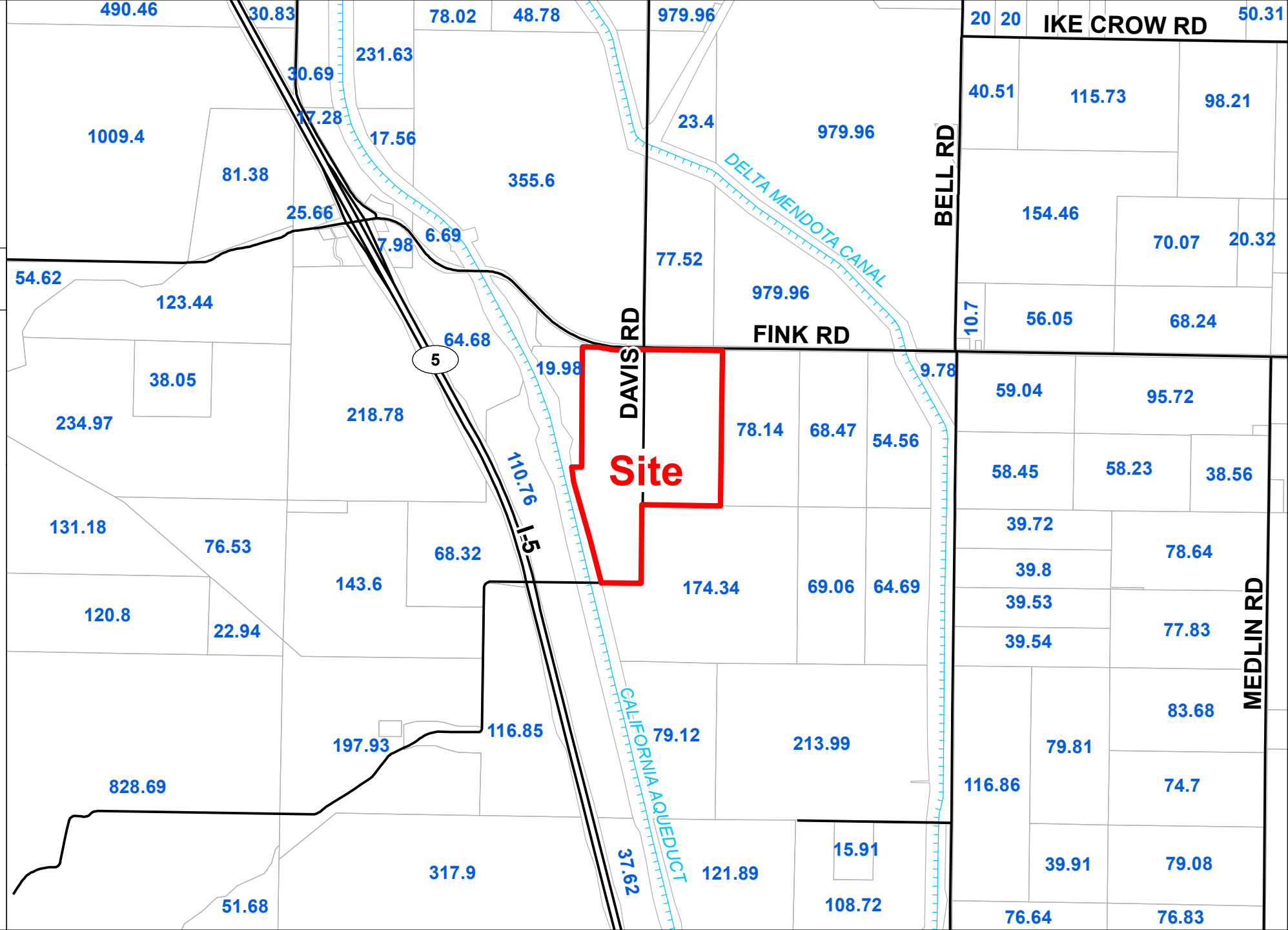
SBA TOWERS VIII LLC

SAA PLN2023-0112

ACREAGE MAP

LEGEND

- Project Site
- # Parcel/Acres
- Road
- Canal



N

0 3,000 ft

0 1,000 m

Source: Planning Department GIS

Date: 10/4/2023

T-Mobile™

T-MOBILE SITE ID: SC60168A

PROJECT: ANCHOR

T-MOBILE SITE NAME: CROWS LANDING

SBA SITE ID: CA14583-B

SITE ADDRESS: 21702 DAVIS ROAD, CROWS LANDING, CA 95313

LEGAL DESCRIPTION:

TBD

UTILITY COMPANIES:

POWER:
PG&E
PHONE: (800) 743-5000

TELEPHONE:
AT&T
PHONE: (800) 288-2020

PROJECT CONTACT LIST:

APPLICANT:
T-MOBILE
1755 CREEKSIDE OAKS DR, SUITE 190
SACRAMENTO, CA 95833

PROPERTY OWNER:
LEROY & DEBRA DEL DON TRUST
PO BOX 1412
PATTERSON, CA 95363

SBA AGENT:
SBA
GRAEME FLYNN
959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626
PHONE: (561) 343-0689

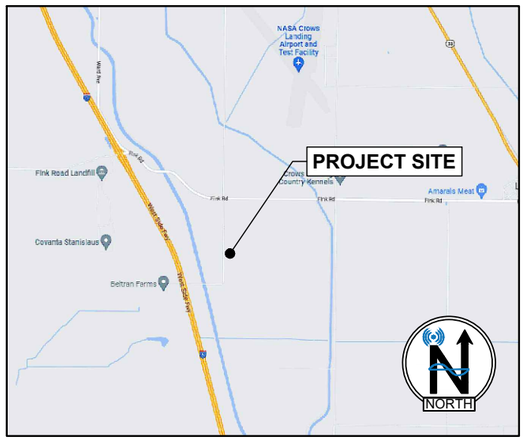
PROJECT MANAGER:
T-MOBILE USA, INC
CONTACT: TBD
PHONE: TBD
EMAIL: TBD

PROJECT A&E:
RICK MATTESON
ACOM CONSULTING, INC
5200 SW MEADOWS RD
SUITE 150
LAKE OSWEGO, OR 97035
PHONE: (425) 209-6723
rick.matteson@acomconsultinginc.com

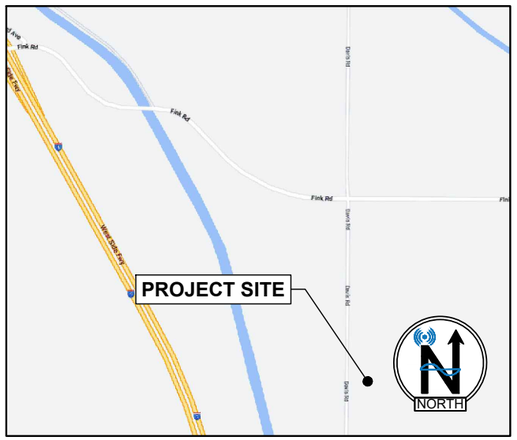
ENGINEER OF RECORD:
WELLS L. HOLMES, S.E.
VECTOR STRUCTURAL ENGINEERING, LLC
651 W GALENA PARK BLVD, SUITE 101
DRAPER, UT 84020
PHONE: (801) 990-1775
WWW.VECTORSE.COM

ELECTRICAL ENGINEER:
DEAN P. LEVORSEN, PE
VECTOR STRUCTURAL ENGINEERING, LLC
651 W GALENA PARK BLVD, SUITE 101
DRAPER, UT 84020
PHONE: (801) 990-1775
WWW.VECTORSE.COM

VICINITY MAP



LOCATION MAP



DRIVING DIRECTIONS:

FROM T-MOBILE SACRAMENTO OFFICE:

TURN RIGHT ONTO CREEKSIDE OAKS DR. TURN LEFT ONTO CAPITAL PARK DR. TURN LEFT ONTO NATOMAS PARK DR. TURN RIGHT AT THE 1ST CROSS STREET ONTO GARDEN HWY. SLIGHT RIGHT TO MERGE ONTO I-5 S TOWARD LOS ANGELES. MERGE ONTO I-5 S. TAKE EXIT 434 TOWARD SPERRY AVE/DIABLO GRANDE PKWY. TURN LEFT ONTO CA-130. TURN RIGHT ONTO LAS PALMAS AVE. TURN RIGHT ONTO WARD AVE. TURN LEFT ONTO FINK RD. TURN RIGHT ONTO DAVIS RD. DESTINATION WILL BE ON THE LEFT.

REVIEWERS SHALL CLEARLY PLACE INITIALS ADJACENT TO EACH REDLINE NOTE AS DRAWINGS ARE BEING REVIEWED

APPROVED BY:	DATE:	SIGNATURE:	APPROVED BY:	DATE:	SIGNATURE:
PROJECT MANAGER:			RF ENGINEER:		
SITE AQUISITION:			OPERATIONS MANAGER:		
ZONING:			DEVELOPMENT MANAGER:		
CONSTRUCTION MANAGER:			REGULATORY:		
CONSTRUCTION MANAGER:					

811
KNOW WHAT'S **BELOW**.
CALL BEFORE YOU DIG.
www.call811.com

PROJECT INFORMATION:

CODE INFORMATION:

ZONING CLASSIFICATION:	AG - AGRICULTURE
BUILDING CODE:	2022 CALIFORNIA BUILDING CODE
CONSTRUCTION TYPE:	II-B
OCCUPANCY:	UTILITY
JURISDICTION:	STANISLAUS COUNTY
PROPOSED BUILDING USE:	UNMANNED TELECOM

SITE LOCATION (NAD83):

LATITUDE:	N 37° 23' 05.118" (N 37.384755°)
LONGITUDE:	W -121° 07' 14.4768" (W -121.120688°)
TOP OF STRUCTURE:	92.0' AGL
BASE OF STRUCTURE:	TBD AMSL

PROJECT LEASE AREA:
EXISTING

PARCEL NUMBER:
027-017-065

NEW IMPERVIOUS AREA:
N/A

AREA OF PARCEL:
±164 ACRES

GENERAL INFORMATION:

PARKING REQUIREMENTS ARE UNCHANGED
TRAFFIC IS UNAFFECTED
SIGNAGE IS PROPOSED

DRAWING INDEX:

SH #	SHEET DESCRIPTION	REV
T-1	COVER SHEET	0
GN-1	GENERAL NOTES AND SYMBOLS	0
A-1	OVERALL SITE PLAN	0
A-2	ENLARGED SITE PLAN	0
A-3	PROPOSED EQUIPMENT PLAN	0
A-4	EXISTING AND PROPOSED ANTENNA PLAN	0
A-5	EXISTING AND PROPOSED ELEVATIONS	0
A-5.1	EXISTING AND PROPOSED ELEVATIONS	0
A-6	EQUIPMENT DETAILS	0
A-6.1	EQUIPMENT DETAILS	0
A-6.2	EQUIPMENT DETAILS	0
A-6.3	EQUIPMENT DETAILS	0
A-6.4	EQUIPMENT DETAILS	0
A-6.5	EQUIPMENT DETAILS	0
A-6.6	EQUIPMENT DETAILS	0
A-6.7	EQUIPMENT DETAILS	0
A-6.8	EQUIPMENT DETAILS	0
S-1	STRUCTURAL NOTES	0
E-1	GENERAL ELECTRICAL NOTES	0
E-2	GROUNDING DETAILS	0
E-3	PANEL SCHEDULE & ONE-LINE DIAGRAM	0
E-4	GROUNDING SITE PLAN	0

PROJECT DESCRIPTION:

T-MOBILE PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY WITH:

THE ADDITION OF:
INSTALL 20' MONOPOLE EXTENSION
INSTALL (3) ERICSSON AIR6419 B41 ANTENNA AT 108' (1 PER SECTOR)
INSTALL (3) COMMSCOPE FFVV-65C-R3-V1 ANTENNA AT 108' (1 PER SECTOR)
INSTALL (3) RADIO 4480 RRH (1 PER SECTOR)
INSTALL (3) RADIO 4460 RRH (1 PER SECTOR)
INSTALL (3) SITEPRO1 VFA8-RRU ANTENNA MOUNTS (1 PER SECTOR)
INSTALL (1) B160 BATTERY CABINET
INSTALL (1) 6160 CABINET
INSTALL (2) 6x24 4AWG HYBRID CABLES
INSTALL A (N) 6' x 10' EQUIPMENT PAD
INSTALL (N) POWER AND TELCO CONDUITS AND CONDUCTORS

PLANS PREPARED FOR:
SBA
959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:
Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:
VECTOR ENGINEERS

ENGINEER'S SEAL:
REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:
08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	**A**
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:
CROWS LANDING

SITE NUMBER:
SC60168A

SITE ADDRESS:
21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:
COVER SHEET

SHEET NUMBER:
T-1

VSE Project Number: U2350-1076-231

GENERAL NOTES

1. THE FACILITY IS AN UNOCCUPIED SPECIALIZED MOBILE RADIO FACILITY.
2. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A GRAPHIC REPRESENTATION OF THE FINAL INSTALLATION. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
3. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTOR SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER.
4. THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK.
5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
6. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY BEARING ON THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
7. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE PROJECT MANAGER AND WITH LANDLORD'S AUTHORIZED REPRESENTATIVE.
8. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 5 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL PROVIDE SITE FOREMAN WITH A CELLULAR PHONE, AND KEEP SAME ON SITE WHENEVER ANY PERSONNEL ARE ON SITE.
10. DETAILS ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC., AND UPON COMPLETION OF WORK, REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF THE PROJECT MANAGER AND/OR LANDLORD.
12. ON A DAILY BASIS: KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH, AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.
13. CONTRACTOR TO PROVIDE COMPLETE SET OF AS-BUILT DRAWINGS WITHIN 10 WORKING DAYS OF PROJECT COMPLETION.

14 WHERE A CONSTRUCTION DETAIL IS NOT SHOWN OR NOTED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.

15. ASTM SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.

16 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE EXECUTION OF THIS WORK.

17. ALL ITEMS REMOVED OR DAMAGED DURING CONSTRUCTION WORK WILL BE REPLACED OR REPAIRED TO MATCH EXISTING.
18. ALL ELEMENTS OF EXISTING STRUCTURE TO REMAIN UNDISTURBED, UNLESS NOTED OTHERWISE. EXISTING STRUCTURE IS ASSUMED TO BE IN GOOD CONDITION, FREE OF DAMAGE OR DETERIORATION. CONTRACTOR TO VERIFY ALL ELEMENTS OF EXISTING STRUCTURE AFFECTED BY THIS MODIFICATION AND NOTIFY ENGINEER OF RECORD IF ANY DAMAGE, DETERIORATION OR DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THOSE DEPICTED ON THESE CONSTRUCTION DRAWINGS ARE FOUND.

STRUCTURAL NOTES

1. WHERE A CONSTRUCTION DETAIL IS NOT SHOWN OR NOTED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
2. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES.
3. NO PIPES, DUCTS, SLEEVES, CHASES, ETC., SHALL BE PLACED IN SLABS, BEAMS, OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED, NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC., UNLESS OTHERWISE NOTED. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC.
4. 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 T-MOBILE AND THE ARCHITECT/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 T-MOBILE OR THE ARCHITECT/ENGINEER.
5. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND PEDESTRIANS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED WORK, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTION OF SUCH ITEMS.
6. ASTM SPECIFICATIONS NOTED ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
7. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOOR OR ROOF. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING/BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT IN CONJUNCTION WITH THE PROSECUTION OF THIS WORK.
9. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
10. THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.
11. ALL ITEMS REMOVED DURING CONSTRUCTION WORK (I.E., DRYWALL, PLYWOOD, CEILING PANELS, ETC.) SHALL BE REPLACED TO MATCH EXISTING.

SPECIAL INSPECTION

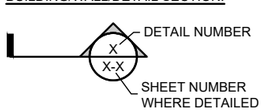
1. IF UTILIZED, SPECIAL INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT SPECIAL INSPECTOR PER CODE FOR THE FOLLOWING ITEMS:
   A. CONTINUOUS DURING THE INSTALLATION OF EXPANSION AND/OR ADHESIVE ANCHORS, IF UTILIZED: INSPECT HOLE SIZE, DEPTH, CLEANLINESS, AND INSTALLATION PER ICC REPORT.
   B. PERIODIC FOR HIGH STRENGTH BOLT INSTALLATIONS (A325), IF UTILIZED.
2. THE SPECIAL INSPECTOR SHALL PROVIDE A COPY OF THEIR REPORT TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL AS EACH TEST IS COMPLETED. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
3. ANY MATERIAL WHICH FAILS TO MEET THE PROJECT SPECIFICATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND THE STRUCTURAL ENGINEER. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.
4. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS FOR THE MATERIAL USED IF THE CONSTRUCTION TOOK PLACE ON SITE. CONTINUOUS INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE.
5. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT SIGNED BY BOTH HE AND HIS SUPERVISOR STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

STANDARD STRUCTURAL STEEL NOTES:

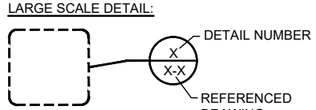
1. ALL METAL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATION GALVANIZED ASTM A123-A123M-02 UNLESS NOTED OTHERWISE.
2. STRUCTURAL TUBING MEMBERS SHALL CONFORM TO ASTM A500, GRADE B.
3. ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1 WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION", 14TH EDITION.
4. BOLTED CONNECTIONS SHALL USE BEARING TYPE GALV. ASTM A325 BOLTS (5/8" DIA. UNO) AND SHALL HAVE A MINIMUM OF TWO BOLTS U.N.O AND SHALL INCLUDE HEAVY-HEX NUTS AND STANDARD CUT WASHERS.
5. NON-STRUCTURAL CONNECTIONS FOR HANDRAIL, LADDERS AND STEEL GRATING MAY USE 5/8" DIA GALVANIZED ASTM A307 BOLTS U.N.O.
6. ALL STRUCTURAL PIPE ASTM A53, TYPE E OR S, GRADE B.

LEGEND

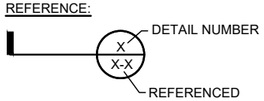
BUILDING/WALL/DETAIL SECTION:



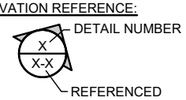
LARGE SCALE DETAIL:



REFERENCE:



ELEVATION REFERENCE:



IMPORTANT NOTICE

THE EXISTING CONDITIONS REPRESENTED HEREIN ARE BASED ON VISUAL OBSERVATIONS AND INFORMATION PROVIDED BY OTHERS. ACOM CONSULTING CANNOT GUARANTEE THE CORRECTNESS NOR COMPLETENESS OF THE EXISTING CONDITIONS SHOWN AND ASSUMES NO RESPONSIBILITY THEREOF. CONTRACTOR AND HIS SUB-CONTRACTORS SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS AS REQUIRED FOR PROPER EXECUTION OF PROJECT. REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CONSULTANT PRIOR TO CONSTRUCTION.

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:

GENERAL NOTES AND SYMBOLS

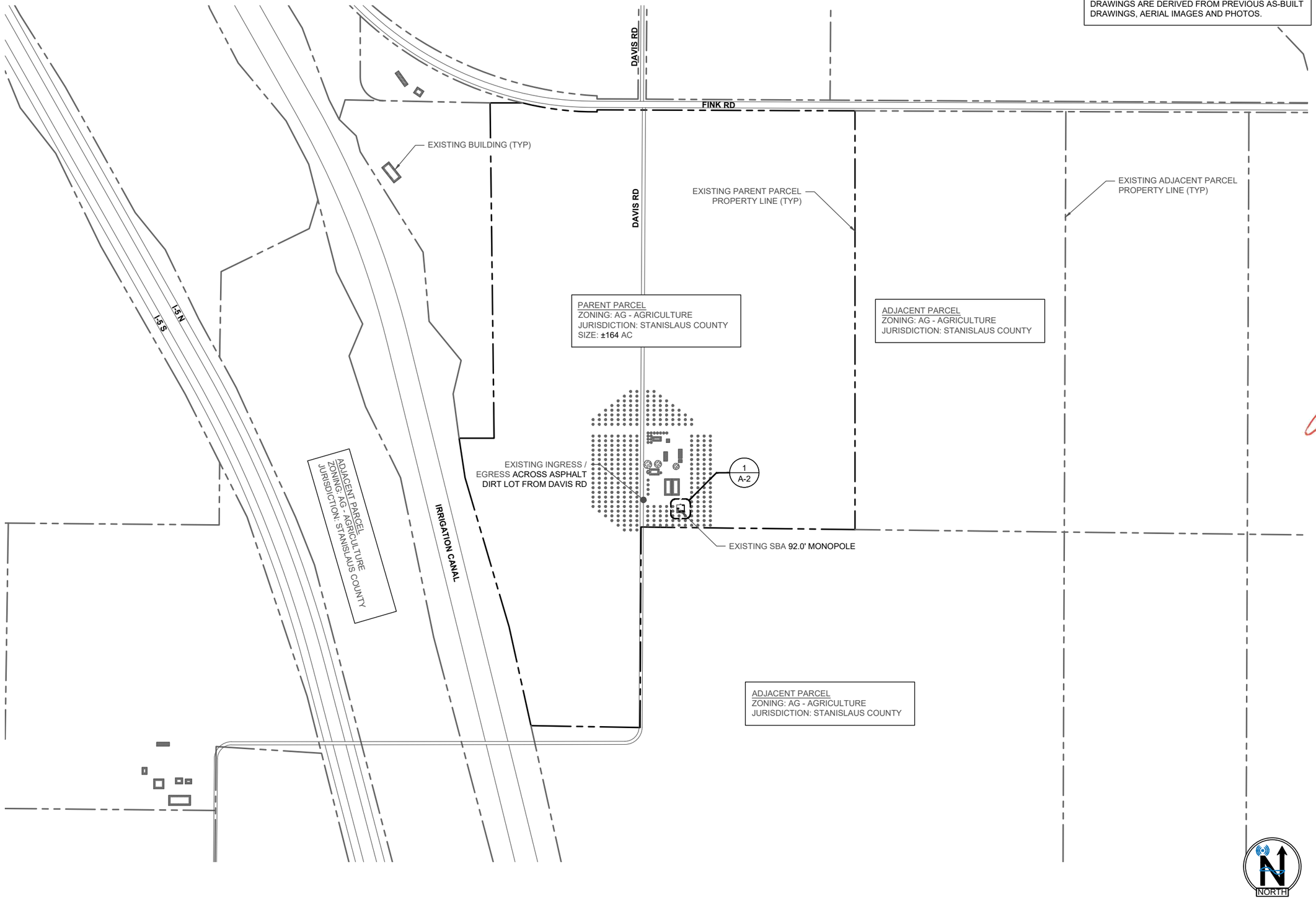
SHEET NUMBER:

GN-1

VSE Project Number: U2350-1076-231

NOTE:

ALL EXISTING CONDITIONS REFLECTED IN DRAWINGS ARE DERIVED FROM PREVIOUS AS-BUILT DRAWINGS, AERIAL IMAGES AND PHOTOS.



22"x34" SCALE: 1" = 300'-0"
11"x17" SCALE: 1" = 600'-0"

300' 150' 0' 300'

OVERALL SITE PLAN | 1

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:

OVERALL SITE PLAN

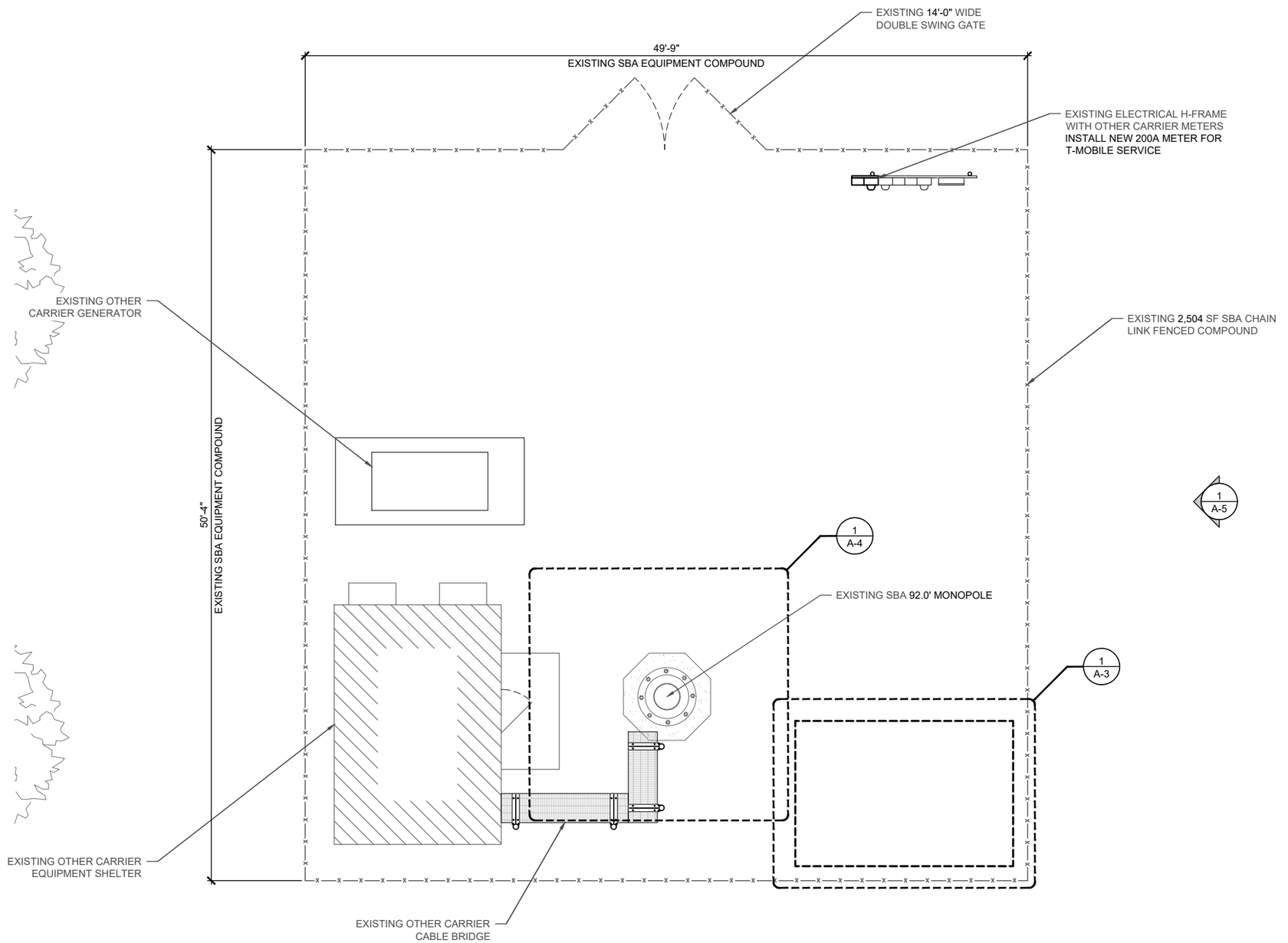
SHEET NUMBER:

A-1

VSE Project Number: U2350-1076-231

NOTE:

ALL EXISTING CONDITIONS REFLECTED IN DRAWINGS ARE DERIVED FROM PREVIOUS AS-BUILT DRAWINGS, AERIAL IMAGES AND PHOTOS.



22"x34" SCALE: 1/4" = 1'-0"
11"x17" SCALE: 1/8" = 1'-0"

4' 3' 2' 1' 0" 4'

ENLARGED SITE PLAN | 1

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

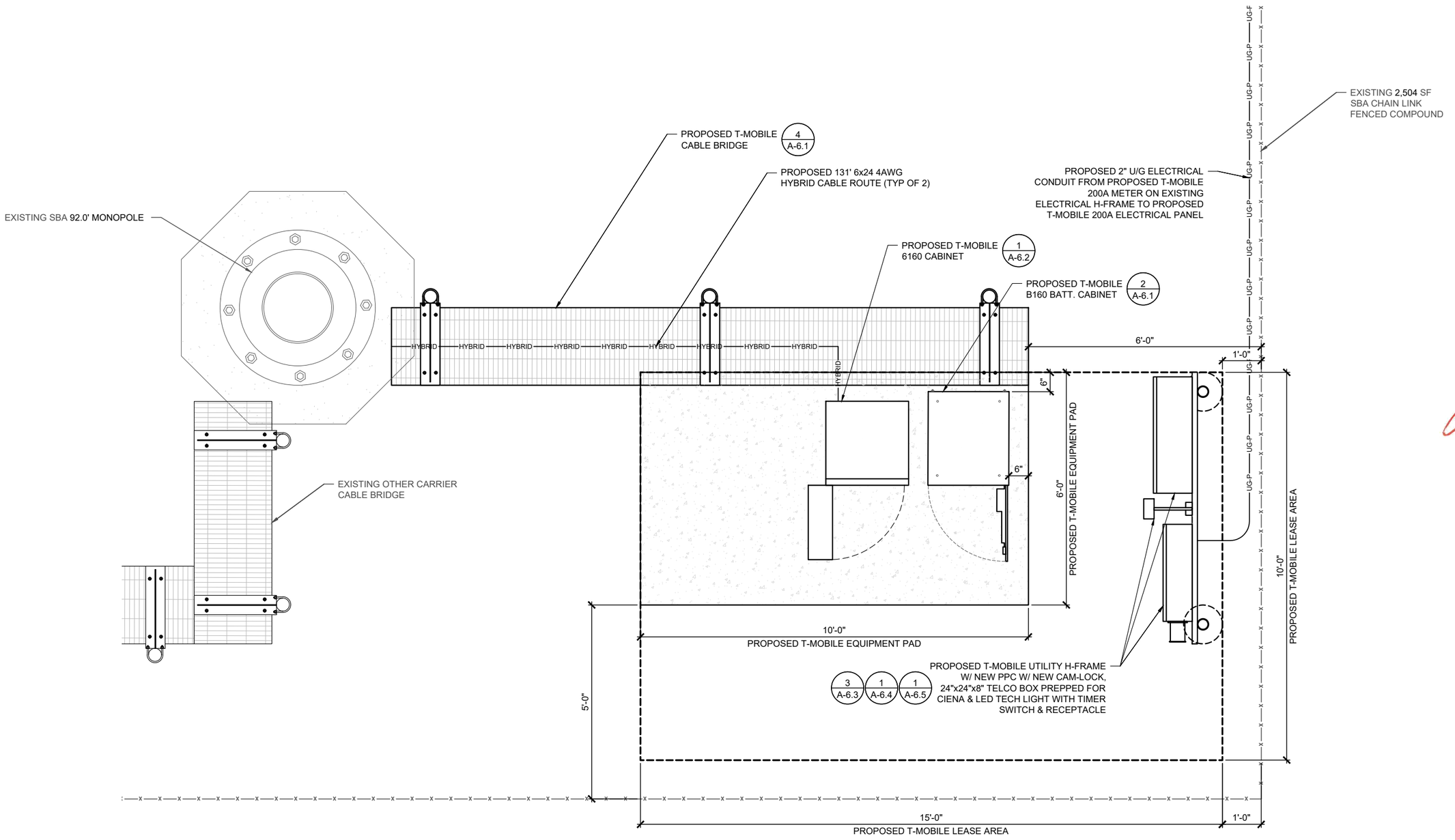
SHEET DESCRIPTION:

ENLARGED SITE PLAN

SHEET NUMBER:

A-2

VSE Project Number: U2350-1076-231



NORTH

22"x34" SCALE: 3/4" = 1'-0"
11"x17" SCALE: 3/8" = 1'-0"

1' 6" 0" 1'

PROPOSED EQUIPMENT LAYOUT | 1

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEER'S SEAL:

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:

PROPOSED EQUIPMENT PLAN

SHEET NUMBER:

A-3

VSE Project Number: U2350-1076-231

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

NOT USED | 1

PROPOSED ANTENNA AND ANCILLARY EQUIPMENT SCHEDULE

ALPHA SECTOR

POSITION	ANTENNA MODEL	ACTIVE TECH.	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	JUMPER LENGTH	CABLE TYPE	CABLE LENGTH
1	FFVV-65C-R3-V1 (ADD)	L700 L600 N600 L2100 L1900 N1900	80°	108.0'	-	(1)RADIO 4480(ADD) (1)RADIO 4460(ADD)	8'	(1) 6x24 4AWG HYBRID (ADD)	131'
2	VACANT	-	-	-	-	-	-	-	-
3	AIR 6419 B41 (ADD)	N2500	80°	108.0'	-	-	-	-	-

BETA SECTOR

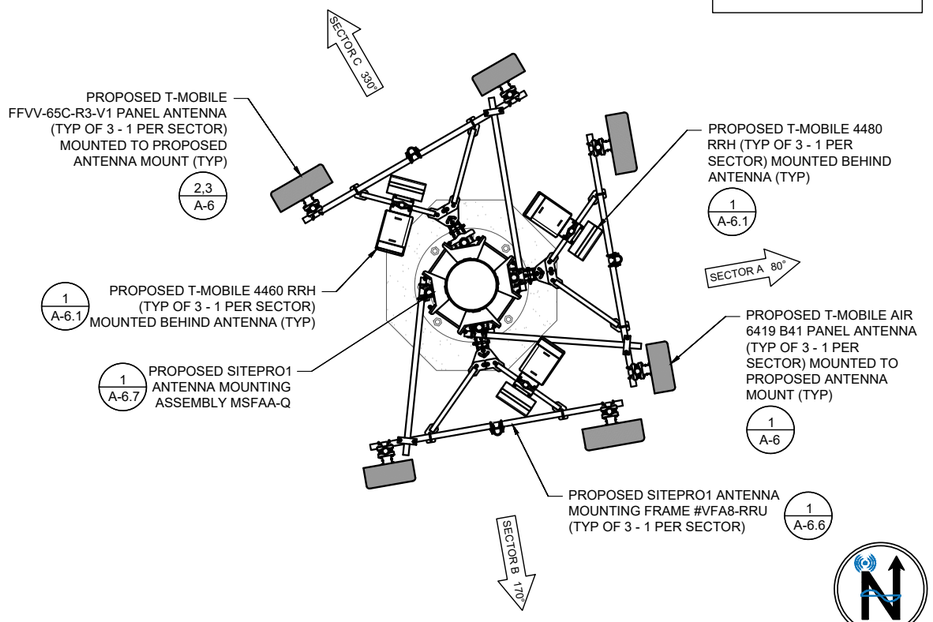
POSITION	ANTENNA MODEL	ACTIVE TECH.	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	JUMPER LENGTH	CABLE TYPE	CABLE LENGTH
1	FFVV-65C-R3-V1 (ADD)	L700 L600 N600 L2100 L1900 N1900	170°	108.0'	-	(1)RADIO 4480(ADD) (1)RADIO 4460(ADD)	8'	(1) 6x24 4AWG HYBRID (ADD)	131'
2	VACANT	-	-	-	-	-	-	-	-
3	AIR 6419 B41 (ADD)	N2500	170°	108.0'	-	-	-	-	-

GAMMA SECTOR

POSITION	ANTENNA MODEL	ACTIVE TECH.	AZIMUTH	RAD CENTER	TMA / RAYCAP / DIPLEXER MODEL	RRH / RRU MODEL	JUMPER LENGTH	CABLE TYPE	CABLE LENGTH
1	FFVV-65C-R3-V1 (ADD)	L700 L600 N600 L2100 L1900 N1900	330°	108.0'	-	(1)RADIO 4480(ADD) (1)RADIO 4460(ADD)	8'	-	-
2	VACANT	-	-	-	-	-	-	-	-
3	AIR 6419 B41 (ADD)	N2500	330°	108.0'	-	-	-	-	-

NOTE:

MIN. SEPARATION BETWEEN ALL PANEL ANTENNAS IS 38".



22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

PROPOSED ANTENNA PLAN | 2

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

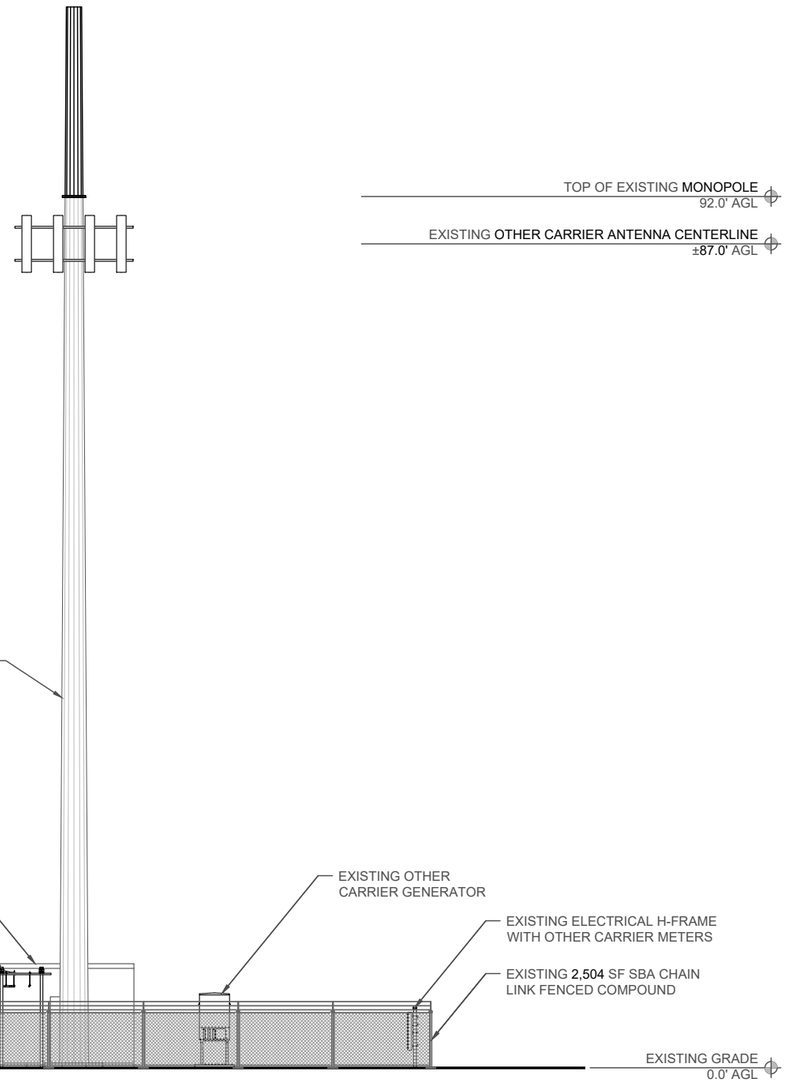
SHEET DESCRIPTION:

EXISTING AND PROPOSED ANTENNA PLAN

SHEET NUMBER:

A-4

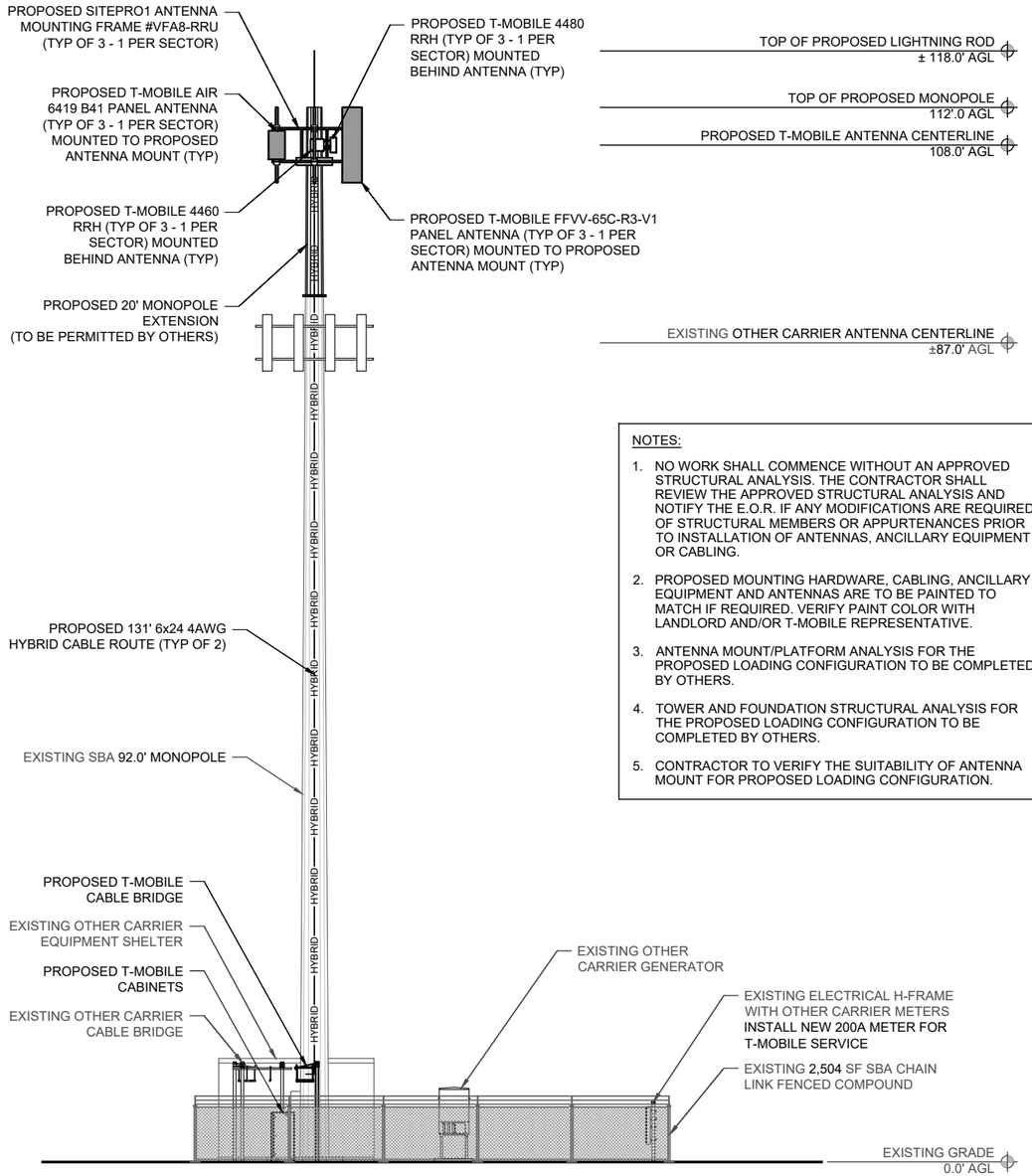
VSE Project Number: U2350-1076-231



22"x34" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"

8' 6' 4' 2' 0" 8'

EXISTING EAST ELEVATION | 1



22"x34" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"

8' 6' 4' 2' 0" 8'

PROPOSED EAST ELEVATION | 2

NOTES:

1. NO WORK SHALL COMMENCE WITHOUT AN APPROVED STRUCTURAL ANALYSIS. THE CONTRACTOR SHALL REVIEW THE APPROVED STRUCTURAL ANALYSIS AND NOTIFY THE E.O.R. IF ANY MODIFICATIONS ARE REQUIRED OF STRUCTURAL MEMBERS OR APPURTENANCES PRIOR TO INSTALLATION OF ANTENNAS, ANCILLARY EQUIPMENT OR CABLING.
2. PROPOSED MOUNTING HARDWARE, CABLING, ANCILLARY EQUIPMENT AND ANTENNAS ARE TO BE PAINTED TO MATCH IF REQUIRED. VERIFY PAINT COLOR WITH LANDLORD AND/OR T-MOBILE REPRESENTATIVE.
3. ANTENNA MOUNT/PLATFORM ANALYSIS FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
4. TOWER AND FOUNDATION STRUCTURAL ANALYSIS FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
5. CONTRACTOR TO VERIFY THE SUITABILITY OF ANTENNA MOUNT FOR PROPOSED LOADING CONFIGURATION.

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

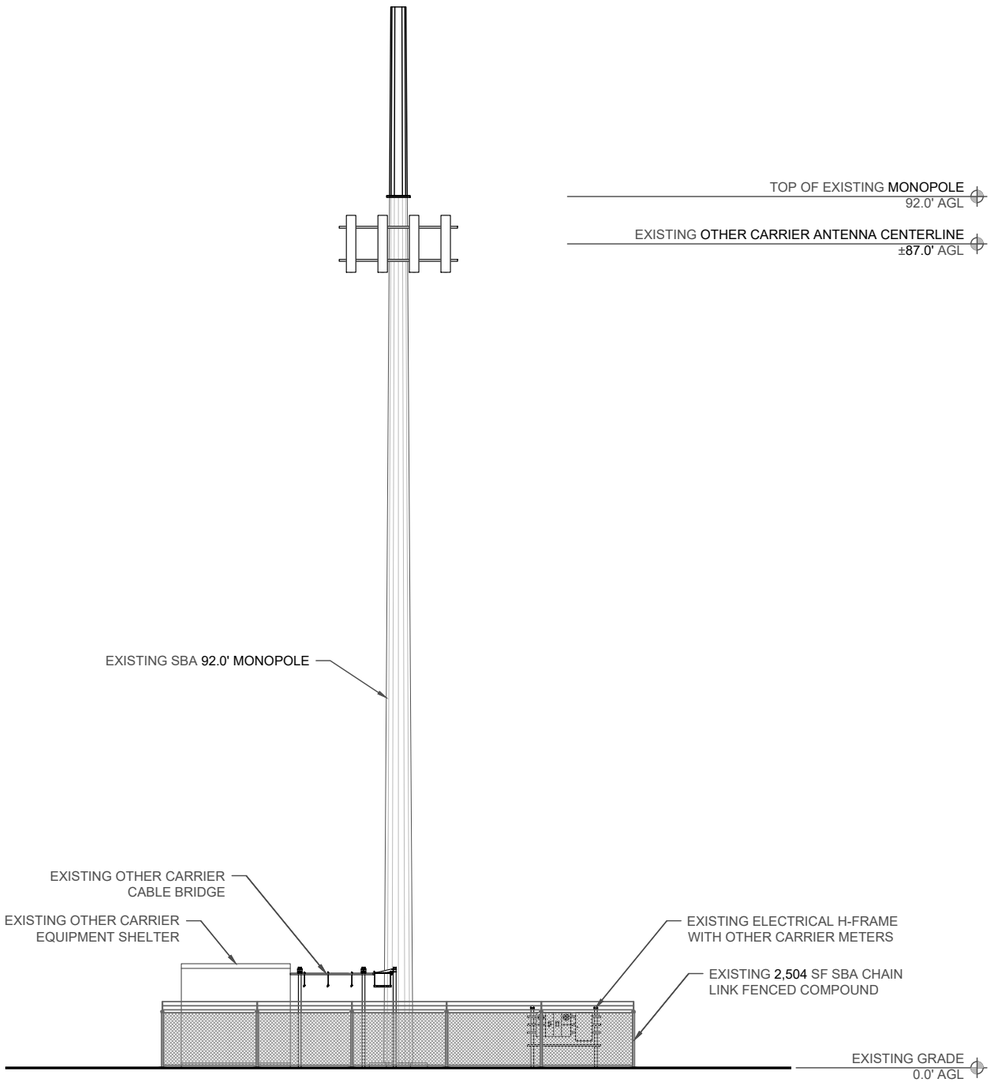
SHEET DESCRIPTION:

EXISTING AND PROPOSED ELEVATIONS

SHEET NUMBER:

A-5

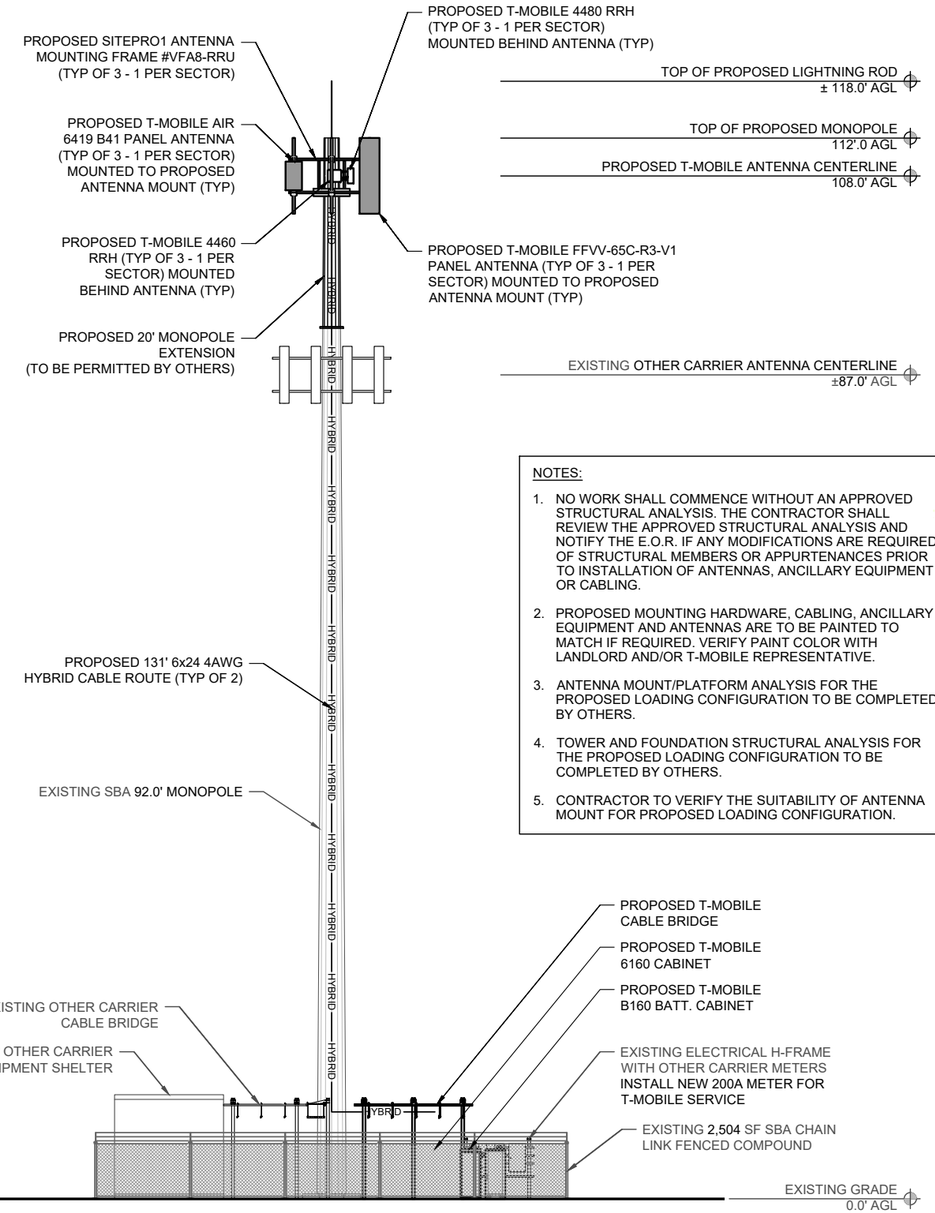
VSE Project Number: U2350-1076-231



22"x34" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"

8' 6' 4' 2' 0" 8'

EXISTING SOUTH ELEVATION | 1



NOTES:

1. NO WORK SHALL COMMENCE WITHOUT AN APPROVED STRUCTURAL ANALYSIS. THE CONTRACTOR SHALL REVIEW THE APPROVED STRUCTURAL ANALYSIS AND NOTIFY THE E.O.R. IF ANY MODIFICATIONS ARE REQUIRED OF STRUCTURAL MEMBERS OR APPURTENANCES PRIOR TO INSTALLATION OF ANTENNAS, ANCILLARY EQUIPMENT OR CABLING.
2. PROPOSED MOUNTING HARDWARE, CABLING, ANCILLARY EQUIPMENT AND ANTENNAS ARE TO BE PAINTED TO MATCH IF REQUIRED. VERIFY PAINT COLOR WITH LANDLORD AND/OR T-MOBILE REPRESENTATIVE.
3. ANTENNA MOUNT/PLATFORM ANALYSIS FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
4. TOWER AND FOUNDATION STRUCTURAL ANALYSIS FOR THE PROPOSED LOADING CONFIGURATION TO BE COMPLETED BY OTHERS.
5. CONTRACTOR TO VERIFY THE SUITABILITY OF ANTENNA MOUNT FOR PROPOSED LOADING CONFIGURATION.

22"x34" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"

8' 6' 4' 2' 0" 8'

PROPOSED SOUTH ELEVATION | 2

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:

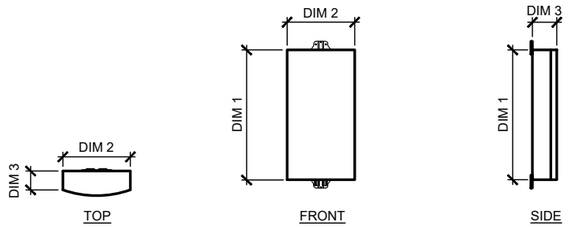
EXISTING AND PROPOSED ELEVATIONS

SHEET NUMBER:

A-5.1

VSE Project Number: U2350-1076-231

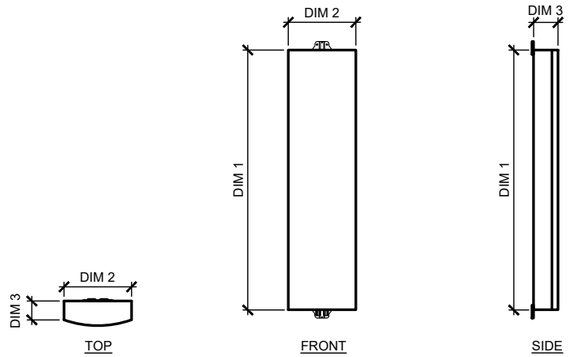
NOTES:
1. INSTALL ANTENNAS PER MANUFACTURER SPECIFICATIONS.
2. CONTRACTOR TO TORQUE ALL MOUNTING HARDWARE PER MANUFACTURER SPECIFICATIONS.
3. *ANTENNA WEIGHTS INCLUDE MOUNTING BRACKET WEIGHT U.N.O.



	QTY	DIM 1	DIM 2	DIM 3	*WEIGHT
ALPHA SECTOR					
(P) ERICSSON AIR6419 B41	(1)	36.3"	20.9"	9.0"	83.3 LBS
BETA SECTOR					
(P) ERICSSON AIR6419 B41	(1)	36.3"	20.9"	9.0"	83.3 LBS
GAMMA SECTOR					
(P) ERICSSON AIR6419 B41	(1)	36.3"	20.9"	9.0"	83.3 LBS

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE
ERICSSON AIR6419 B41 | 1

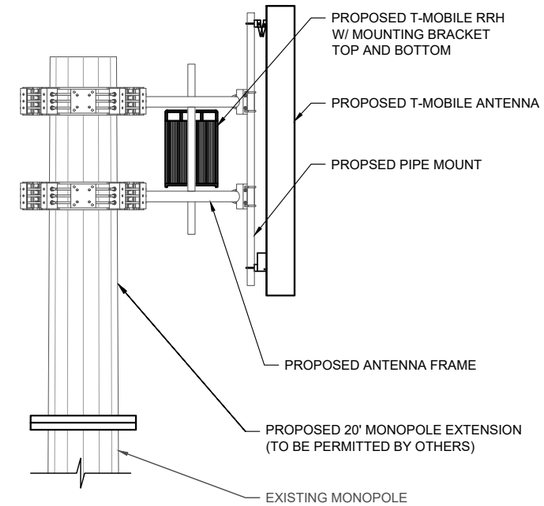
NOTES:
1. INSTALL ANTENNAS PER MANUFACTURER SPECIFICATIONS.
2. CONTRACTOR TO TORQUE ALL MOUNTING HARDWARE PER MANUFACTURER SPECIFICATIONS.
3. *ANTENNA WEIGHTS INCLUDE MOUNTING BRACKET WEIGHT U.N.O.



	QTY	DIM 1	DIM 2	DIM 3	*WEIGHT
ALPHA SECTOR					
(P) COMMSCOPE FFVV-65C-R3-V1	(1)	95.9"	25.2"	9.3"	124.5 LBS
BETA SECTOR					
(P) COMMSCOPE FFVV-65C-R3-V1	(1)	95.9"	25.2"	9.3"	124.5 LBS
GAMMA SECTOR					
(P) COMMSCOPE FFVV-65C-R3-V1	(1)	95.9"	25.2"	9.3"	124.5 LBS

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE
COMMSCOPE FFVV-65C-R3-V1 | 2

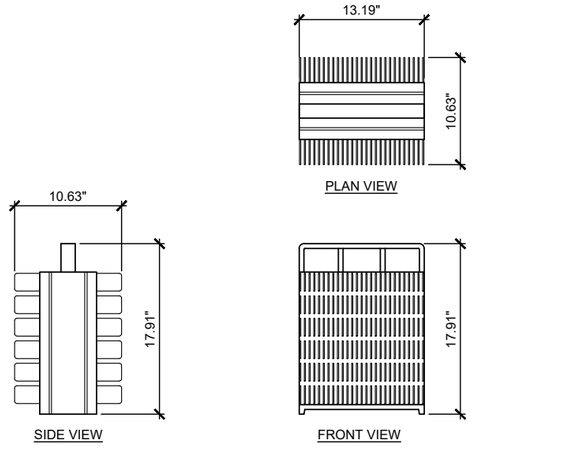
NOTES:
1. VERIFY ANTENNA MOUNTING WITH TOWER STRUCTURAL.
2. PROPOSED JUMPER W/ 10" MIN. RADIUS ON DRIP LOOP; ALL JUMPERS TO BE SECURED AS REQ'D W/ CABLE SUPPORTS, TYP.



22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE
ANTENNA / ANCILLARY MOUNTING | 3

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE
NOT USED | 4

MANUFACTURER: ERICSSON
MODEL: RADIO 4480
HEIGHT: 17.91"
WIDTH: 13.19"
DEPTH: 10.63"
WEIGHT: 73.19 LBS
COLOR: OFF-WHITE

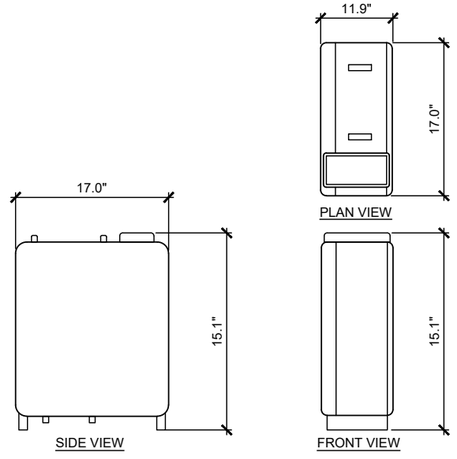


NOTE:

COMPLY WITH MANUFACTURER'S INSTRUCTIONS TO ENSURE THAT ALL RRH'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRH PACKAGES IN THE RAIN.

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE
ERICSSON RADIO 4480 | 5

MANUFACTURER: ERICSSON
MODEL: RADIO 4460
HEIGHT: 15.1"
WIDTH: 17.0"
DEPTH: 11.9"
WEIGHT: 104.0 LBS
COLOR: OFF-WHITE



NOTE:

COMPLY WITH MANUFACTURER'S INSTRUCTIONS TO ENSURE THAT ALL RRH'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRH PACKAGES IN THE RAIN.

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE
ERICSSON RADIO 4460 | 6

PLANS PREPARED FOR:
SBA
959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:
Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:
VECTOR ENGINEERS

ENGINEERING SEAL:
REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:
08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:
CROWS LANDING

SITE NUMBER:
SC60168A

SITE ADDRESS:
21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:
EQUIPMENT DETAILS

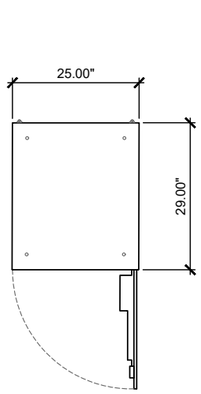
SHEET NUMBER:
A-6

VSE Project Number: U2350-1076-231

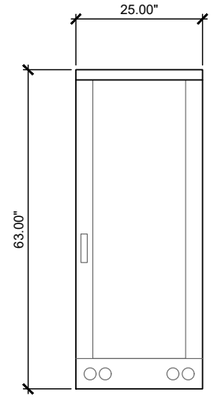
CFC CHAPTER 12 COMPLIANCE			
TOTAL KWH = 12 BATTERIES x 2.52 KWH PER BATTERY = 30.24 KWH (SINCE <70 KWH, CFC CHAPTER 12, SECTION 1206.2 NOT APPLICABLE)			
BATTERY INFORMATION			
BATTERY MODEL	TOTAL # OF BATTERY UNITS	AMP-HOUR RATING PER UNIT	RATED VOLTAGE PER UNIT
NSB 210 FT RED	12	210AH	12V
KWH PER BATTERY		TOTAL KWH	
$\frac{\text{AMP-HOUR RATING x RATED VOLTAGE}}{1000}$		KWH PER BATTERY x TOTAL # OF BATTERIES	
$\frac{210\text{AH x } 12\text{V}}{1000}$ = 2.52 KWH		2.52 KWH x 12 = 30.24 KWH	

BATTERY DATA CHART

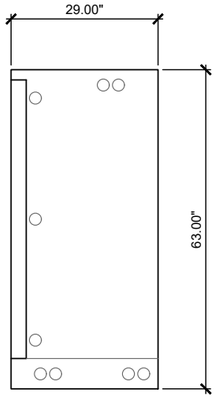
MANUFACTURER: ERICSSON
MODEL: B160 BATTERY CABINET
HEIGHT: 63.00"
WIDTH: 25.00"
DEPTH: 29.00"
WEIGHT: 401.00 LBS (EMPTY)
WEIGHT: 1985.00 LBS (FULLY LOADED)
COLOR: GRAY



PLAN VIEW



FRONT VIEW

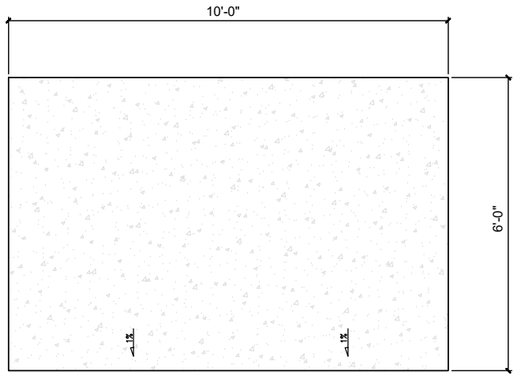


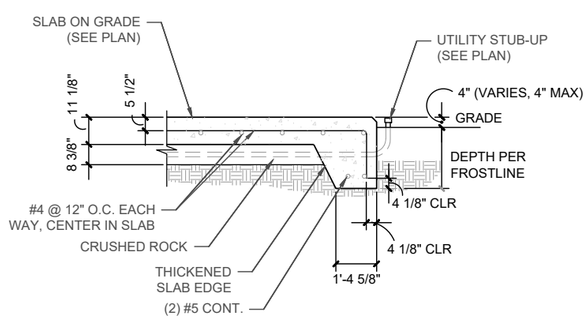
SIDE VIEW

NOT USED | 1

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

B160 CABINET | 2

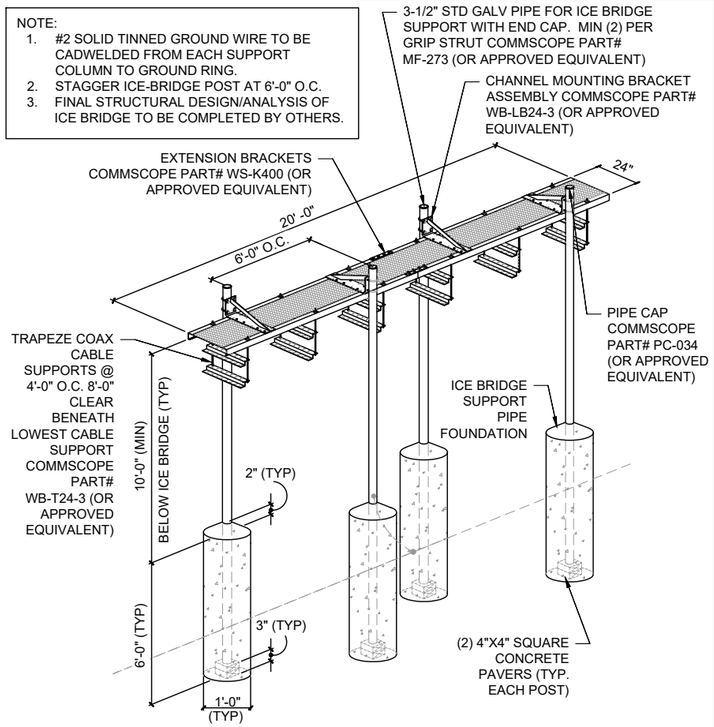




22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

CONCRETE SLAB - 6'X10' | 3

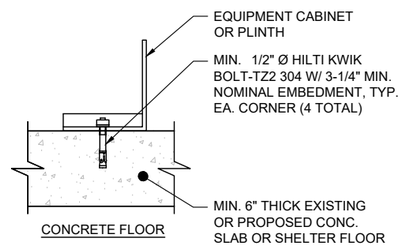
NOTE:
1. #2 SOLID TINNED GROUND WIRE TO BE CADWELDED FROM EACH SUPPORT COLUMN TO GROUND RING.
2. STAGGER ICE-BRIDGE POST AT 6'-0" O.C.
3. FINAL STRUCTURAL DESIGN/ANALYSIS OF ICE BRIDGE TO BE COMPLETED BY OTHERS.



COMMSCOPE PART# WB-K210-B15 OR APPROVED EQUIVALENT

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

ICE BRIDGE W/ TRAPEZE | 4



NOTES:
1. THE CONTRACTOR SHALL ACCURATELY LOCATE ALL EXISTING REINFORCING BY X-RAY OR EQUIVALENT METHODS. NO REBAR OR TENDONS SHALL BE CUT. ALL EXPENSES RELATED TO REPAIR OR CUT REBAR OR TENDONS SHALL BE ENTIRELY AT THE EXPENSE OF THE CONTRACTOR.
2. SPECIAL INSPECTION IS REQUIRED FOR (HILTI KWIK BOLT-TZ PER ESR-4266) CONCRETE EXPANSION ANCHORS AGAINST SEISMIC.
3. INSTALLATION OF WEDGE ANCHORS IN MASONRY IS NOT ALLOWED.
4. VERIFY EQUIPMENT MANUFACTURER'S CABINET SPECIFICATIONS FOR MOUNTING HOLE LOCATIONS AND ANCHOR DIAMETER.
5. VERIFICATION OF SLAB DESIGN BY OTHERS.
6. MIN 6" CONCRETE EDGE DISTANCE TO CENTER OF ANCHOR.

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

CABINET ATTACHMENT DETAIL | 5

PLANS PREPARED FOR:
SBA
959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:
Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:
VECTOR ENGINEERS

ENGINEERING SEAL:
REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:
08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:
CROWS LANDING

SITE NUMBER:
SC60168A

SITE ADDRESS:
21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:
EQUIPMENT DETAILS

SHEET NUMBER:
A-6.1

VSE Project Number: U2350-1076-231

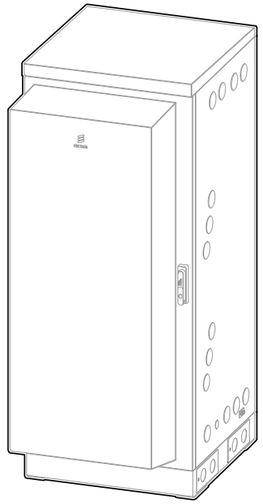
MANUFACTURER:	ERICSSON
MODEL:	6160 SITE SUPPORT CABINET
WEIGHT:	295 LBS (WITHOUT EQUIPMENT)
DIMENSIONS:	25.6"x33.5"x63"

NOTE

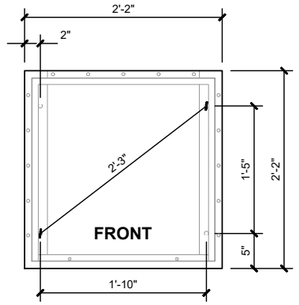
- CORRECT KNOCKOUT TOOL REQUIRED FOR PUNCHING KNOCKOUTS. DO NOT DRILL KNOCKOUTS THROUGH
- CONDUIT MUST BE PROPERLY SECURED TO PREVENT DAMAGE TO CABINETS AND/OR CABLING

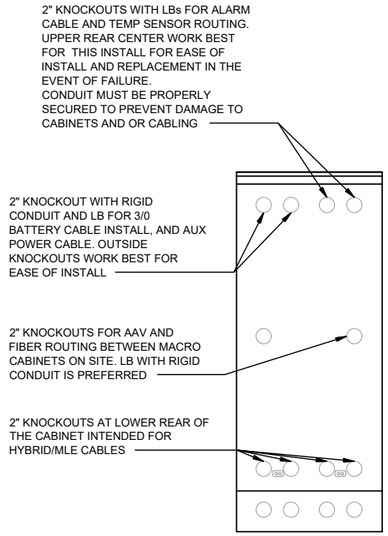
RACK ASSIGNMENT

RACK	RU SLOT	DESCRIPTION
FULL RACK	1	RECTIFIER SHELF
	2	
	3	
	4	
	5	RECTIFIER
	6	
	7	FIBER BOX
	8	DCDU
	9	CSR/IXR-e
	10	
	11	1ST BASEBAND
	12	2ND BASEBAND
	13	3RD BASEBAND
	14	4TH BASEBAND
	15	5TH BASEBAND
	16	6TH BASEBAND
	17	7TH BASEBAND
	18	8TH BASEBAND
	19	
	20	LEGACY BASEBAND
	21	
	22	PSU 4813
	23	
	24	
	25	

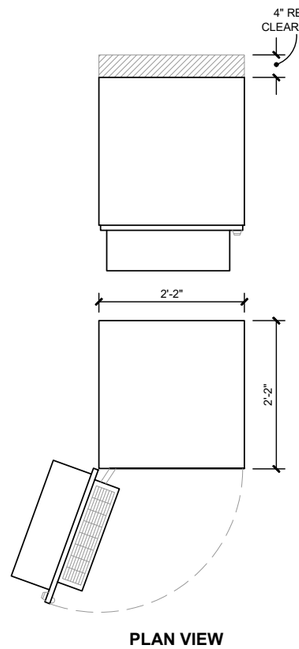


ISO VIEW

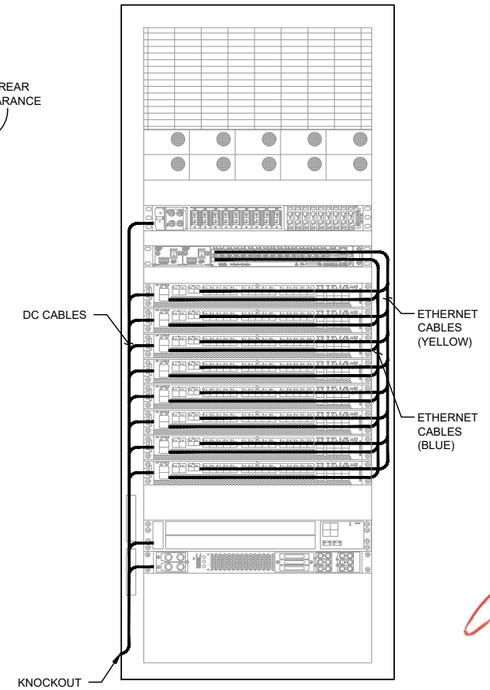




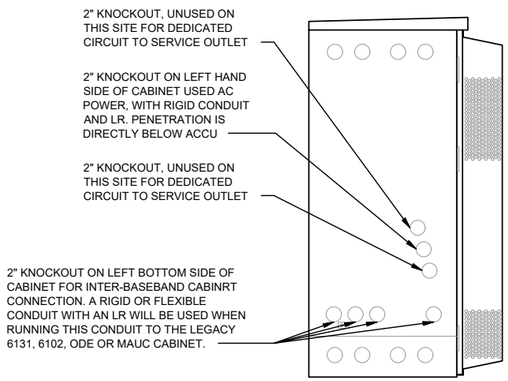
REAR VIEW



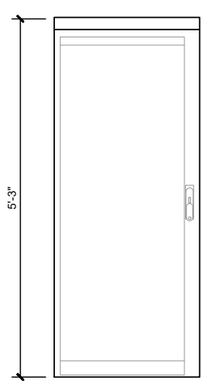
PLAN VIEW



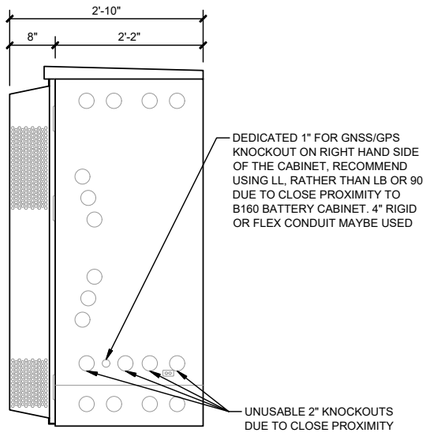
INTERNAL ROUTING



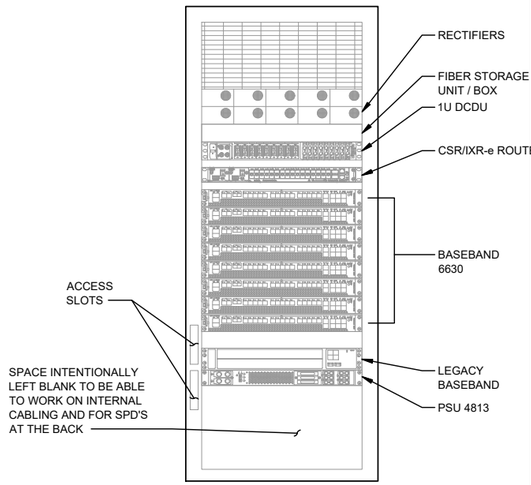
LEFT VIEW



FRONT VIEW



RIGHT VIEW



FRONT VIEW (OPEN)

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

SKU# 33953 - ERICSSON 6160 SUPPORT CABINET | 1

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEER'S SEAL:

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:

EQUIPMENT DETAILS

SHEET NUMBER:

A-6.2

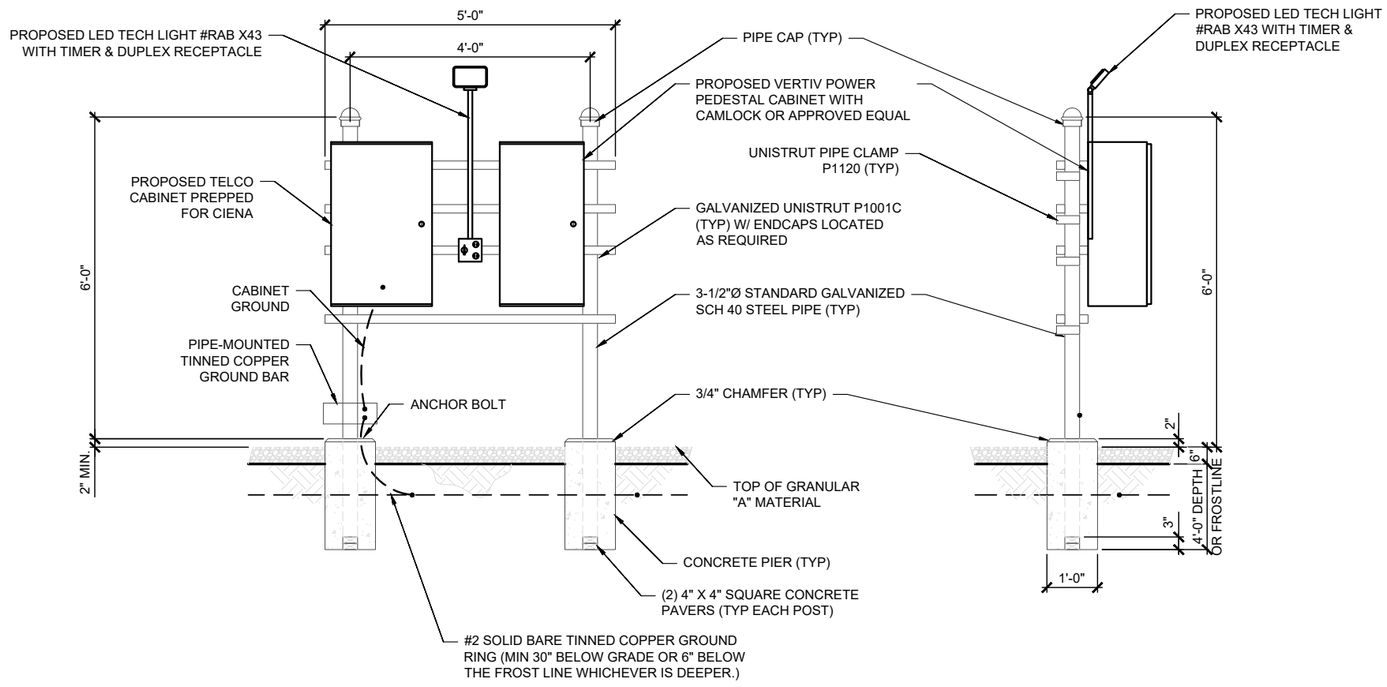
VSE Project Number: U2350-1076-231

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

NOT USED | 1

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

NOT USED | 2



NOTE:

H-FRAME ANALYSIS AND ANCHORAGE TO CONCRETE SLAB PER MF'R SPECIFICATIONS AS DESIGNED BY OTHERS.

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

H-FRAME CONSTRUCTION | 3

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:

EQUIPMENT DETAILS

SHEET NUMBER:

A-6.3

VSE Project Number: U2350-1076-231

Vertiv™ XTE PTS Series

Mini PPC, 200 A

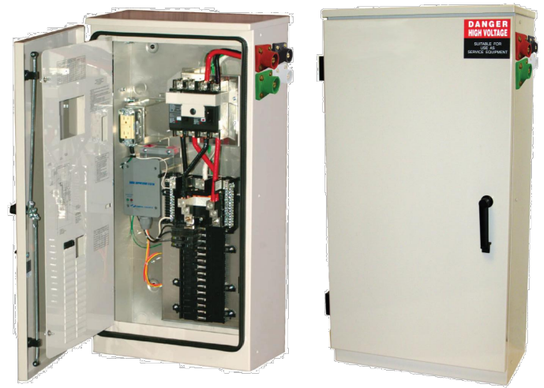
VERTIV.

Standard Features

- Mini AC power transfer switch enclosure is compact and lightweight
- 30-position, 200 amp load center provides ample distribution
- Slide bar mechanical interlock prevents simultaneous use of utility and generator power
- Metal oxide varistor TVSS with remote alarms protects against surges
- NEMA 3R enclosure provides ample protection against wind and rain

·T··Mobile

Vertiv™ XTE PTS enclosures are co-located with active electronic enclosures in wireless networks to provide AC power transfer, surge protection, distribution, and T1 terminations for all wireless applications.

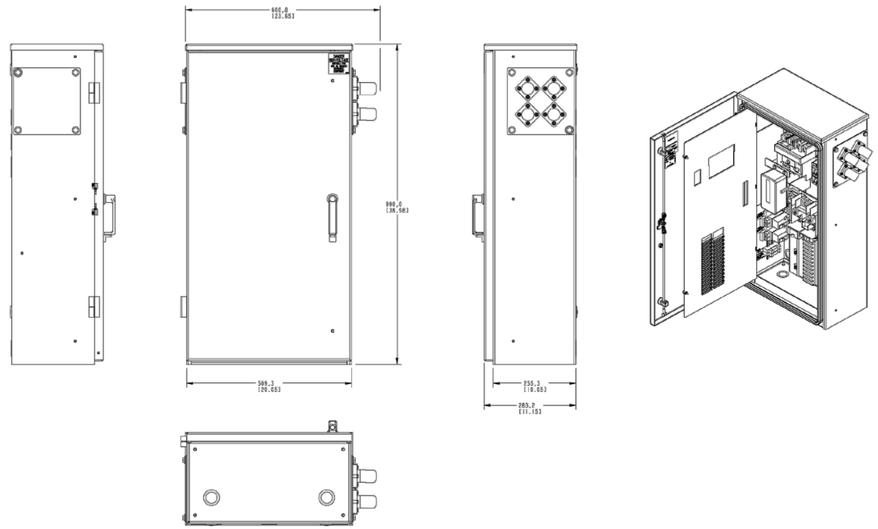


Specifications

Enclosure	
Dimensions (H x W x D)	39" x 20" x 10"
Weight	Approx. 75 lbs.
External Material	0.1" thick aluminum with powder coat paint
Mounting	Wall, H-frame or pad-mount (optional 8" thick pad-mounting base)
Security	3-point door closure with 1/4 turn handle (pad-lockable), SS hinge
Weather Protection	Rain/drip hood
Electrical	
Voltage	240/120 VAC, single phase, 3 wire and ground
Service	200 A
Fault Current Rating	65 kAIC
AC Load Center	30-position, 200 A
Transfer Type	Slide bar mechanical interlock (prevents both sources from being energized simultaneously)
Branch Breakers	30 A, 240 VAC, square D (TVSS), 15 A, 120 VAC, square D (convenience outlets) Accepts branch circuit breakers up to 200A
Generator Inlet	Camlock single-pole connectors 200A, 10kAIC
Bonding Jumper	Optional N-G bonding jumper kit (customer installed if required)
TVSS	Rated 20 kA, metal oxide varistors (MOV): 160 kA/phase, Remote alarm contacts and indicator lights
Grounding	Integrated ground bar
Convenience Outlet	GFCI, duplex receptacle (interior)
Standards Compliance	
Safety	UL 891 dead front switchboard, NEMA type 3R

Ordering Information

Part Number	Catalog Number		Description
F1011209	CAC-A75214190		200A slide bar transfer device, 30-position load center, Camlock single-pole connectors with generator retrieval alarm relay
Catalog Number Definition			
Cabinet Configuration	CAC-A	=	Mini PPC
Load Center	7	=	200 A main, 30 pos.
AIC Rating	5	=	65K AIC Series Rated
Transfer Device	2	=	Side bar mechanical interlock
Generator Inlet	14	=	Camlock single-pole connectors (right side)
Generator Inlet Accessories	1	=	45 degree angle adapter
TVSS	9	=	IG120S200RK-WW
Mounting Options	0	=	None



Vertiv.com | **Vertiv Headquarters,** 1050 Dearborn Drive, Columbus, OH, 43085, USA

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEALS

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	**A**
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:

EQUIPMENT DETAILS

SHEET NUMBER:

A-6.4

VSE Project Number: U2350-1076-231

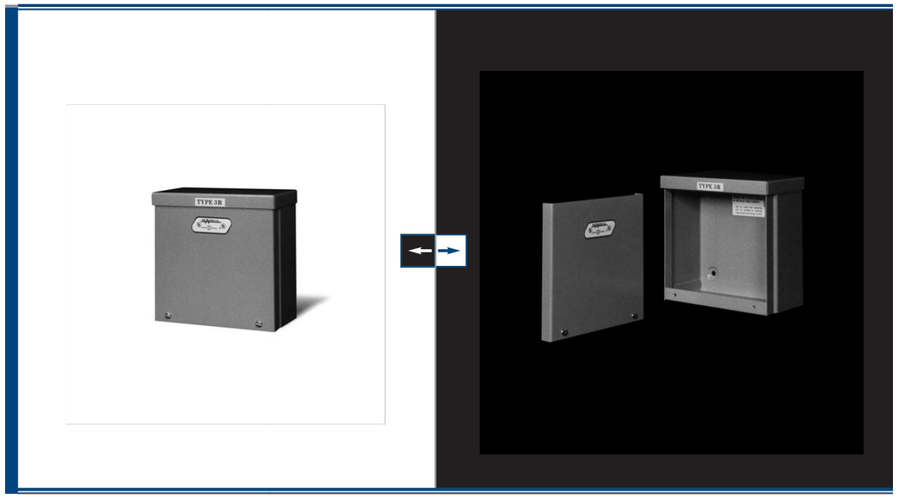
22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

PPC SPECIFICATIONS | 1

RAINPROOF BOXES

Catalog Number	Bundle Quantity	Bundle Weight	Enclosure Size (AxBxC)	Catalog Number	Bundle Quantity	Bundle Weight	Enclosure Size (AxBxC)
AB-664RB	5	20	6x6x4	AB-15126RB	1	13	15x12x6
AB-864RB	5	20	8x6x4	AB-18126RB	1	16	18x12x6
AB-884RB	5	25	8x8x4	AB-18156RB	1	16	18x15x6
AB-1084RB	5	30	10x8x4	AB-18186RB	1	21	18x18x6
AB-10104RB	5	35	10x10x4	AB-24246RB	1	40	24x24x6
AB-1284RB	5	35	12x8x4				
AB-12124RB	5	50	12x12x4	AB-18158RB	1	20	18x15x8
				AB-18188RB	1	23	18x18x8
AB-666RB	5	20	6x6x6	AB-24188RB	1	35	24x18x8
AB-886RB	5	30	8x8x6	AB-24248RB	1	44	24x24x8
AB-10106RB	5	45	10x10x6				
AB-12126RB	5	60	12x12x6	AB-242410RB	1	48	24x24x10

NOTE:
Replace "RB" Suffix with: RBG: Rainproof Gray



TYPE 3R RAINPROOF BOXES

Austin rainproof boxes are Underwriters Laboratories Listed for Wiring or Junction box applications. All rainproof boxes are designed for outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.

Construction:

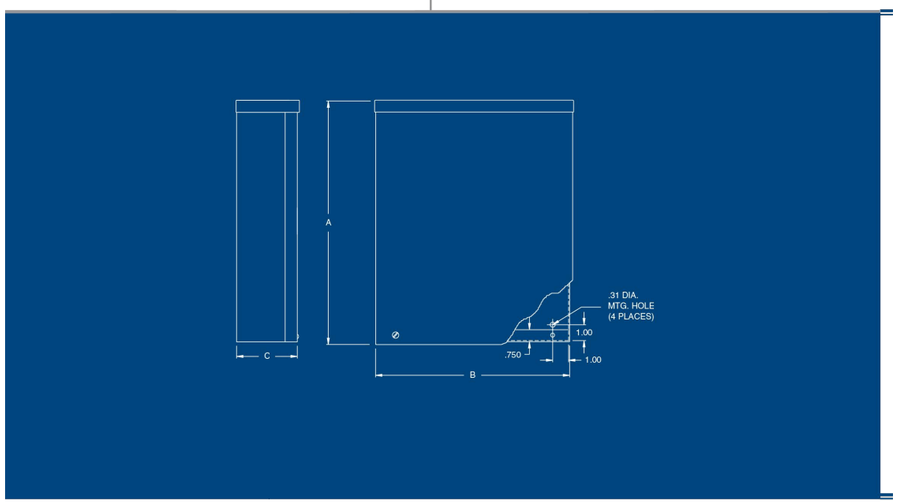
- Fabricated in accordance with UL specifications from code gauge steel.
- Dripshield along top of box.
- Slip-on seamless cover attached by screws at bottom edge.
- Embossed mounting holes on back of enclosure.

Finish:

Austin rainproof boxes are constructed standard in galvanized steel. An ANSI 61 gray polyester powder coating over phosphatized surfaces is provided on request.

Options:

- Special knockouts or knockout arrangements in bottom only.
- Special materials.
- Special finishes.
- Custom box size or construction.



INDUSTRY STANDARDS

UL 50 Type 3R
NEMA Type 3R
CUL Type 3R

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

PLANS PREPARED FOR:
SBA
959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:
Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:
VECTOR ENGINEERS

ENGINEERING SEALS
REGISTERED PROFESSIONAL ENGINEER WELLS HOLMES 36203 STRUCTURAL STATE OF CALIFORNIA

DRAWING NOTICE:
08/24/2023
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:
CROWS LANDING

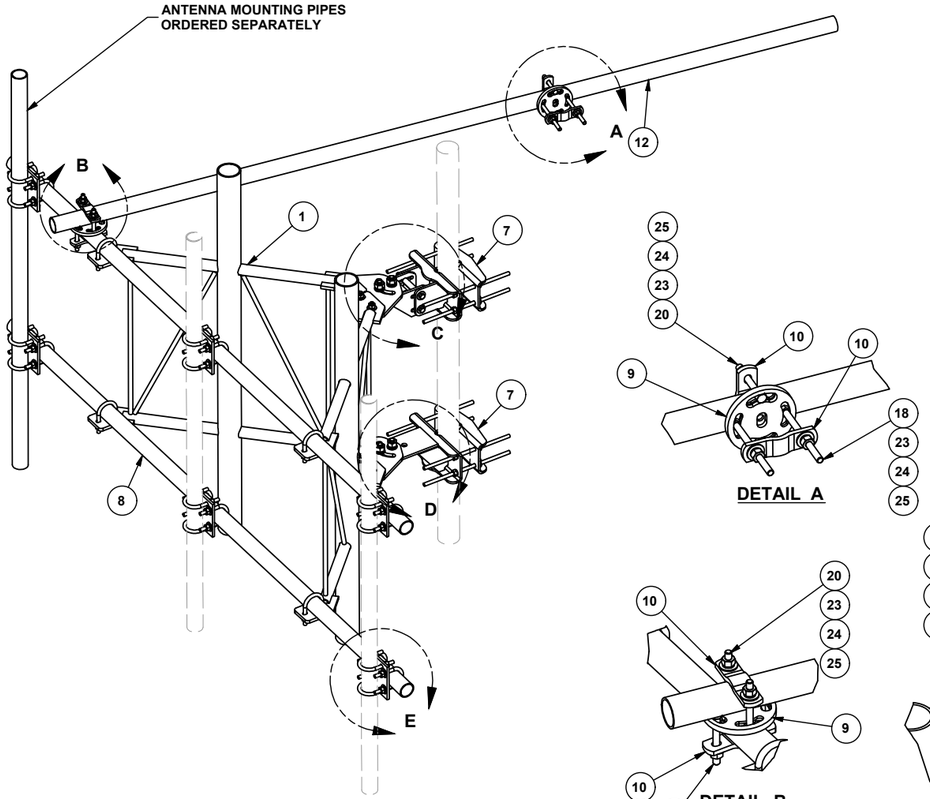
SITE NUMBER:
SC60168A

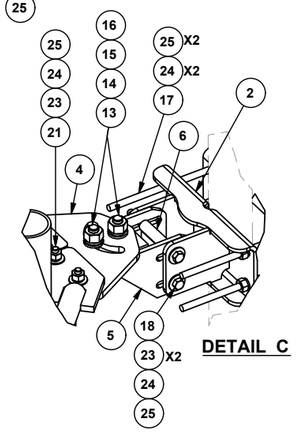
SITE ADDRESS:
21702 DAVIS ROAD
CROWS LANDING, CA 95313

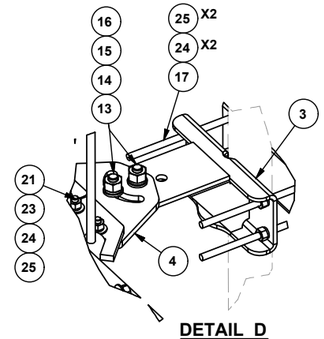
SHEET DESCRIPTION:
EQUIPMENT DETAILS

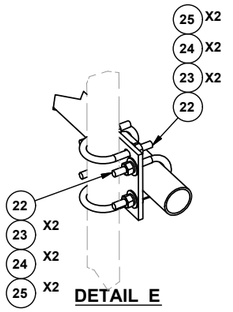
SHEET NUMBER:
A-6.5

VSE Project Number: U2350-1076-231









PARTS LIST

ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	X-233791	SUPPORT ARM		80.39	160.78
2	1	X-SDTFLB	DIAGONAL SLOT WELDMENT FOR BCAM SD		15.08	15.08
3	1	X-SDMHTP	MULTI-HOLE TAPER PLATE WELDMENT		16.63	16.63
4	2	X-SDPP	PIVOT PLATE	11 1/16 in	9.09	18.18
5	1	X-SDCAMSS	STRAIGHT SLOT WELDMENT FOR BCAM		8.48	8.48
6	1	X-SDCAMSP	POSITIONING PLATE WELDMENT FOR BCAM		1.43	1.43
7	2	X-LCBP2	BENT BACKING PLATE	12 in	8.86	17.73
8	2	P2108	2-3/8" X 108" SCH 40 GALVANIZED PIPE	108 in	34.93	69.86
9	2	X-127594	FLAT DISK CLAMP PLATE 4" CENTERS (GALV.)		2.51	5.01
10	4	X-100064	CLAMP (4" V-CLAMP) GALVANIZED		0.92	3.69
11	6	SCX1	CROSSOVER PLATE 2-3/8" X 2-3/8"	6 in	3.71	22.25
12	1	P2126	2-3/8" X 126" (2" SCH. 40) GALVANIZED PIPE	126 in	40.75	40.75
13	4	A34214	3/4"-10 X 2-1/4" A325 BOLT	2 1/4 in	0.47	1.89
14	4	G34FW	3/4" HDG USS FLATWASHER		0.06	0.24
15	4	G34LW	3/4" HDG LOCKWASHER		0.04	0.17
16	4	G34NUT	3/4" HDG HEAVY 2H HEX NUT		0.21	0.85
17	8	G12R-15	1/2" x 15" THREADED ROD (HDG.)		0.84	6.69
18	4	G12065	1/2" x 6-1/2" HDG HEX BOLT GR5 FULL THREAD	5 1/2 in	0.41	1.64
19	1	G12045	1/2" x 4.5" HDG HEX BOLT GR5 FULL THREAD	4 1/2 in	0.30	0.30
20	6	G1204	1/2" x 4" HDG HEX BOLT GR5 FULL THREAD	4 in	0.27	1.62
21	8	G1202	1/2" x 2" HDG HEX BOLT GR5	2 in	0.18	1.41
22	28	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" GALV. U-BOLT		0.66	18.55
23	77	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	2.62
24	90	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	1.25
25	91	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	6.52
					TOTAL WT. #	423.45

TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

REV	DESCRIPTION OF REVISIONS	CPD	BY	DATE
A	UPDATED BCAM VERSION 1 TO BCAM VERSION 2	10142	CEK	8/22/2018
	REVISION HISTORY			

DESCRIPTION
8' V-FRAME ASSEMBLY W/ STIFF ARM AND RRU MOUNTING PIPE

SITE PRO 1 — A valmont COMPANY

Engineering Support Team: 1-888-753-7446

Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
10142	CEK 6/14/2017		VFA8-RRU	1 OF 3
CLASS 81 / SUB 01	DRAWING USAGE: CUSTOMER	CHECKED BY: BMC 8/22/2018	DWG. NO. VFA8-RRU	

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

MOUNT DETAIL | 1

PLANS PREPARED FOR:
SBA
959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:
Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:
VECTOR ENGINEERS

ENGINEERING SEALS:
REGISTERED PROFESSIONAL ENGINEER — WELLS HOLMES — 36203 — STRUCTURAL — STATE OF CALIFORNIA

DRAWING NOTICE:
08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:
CROWS LANDING

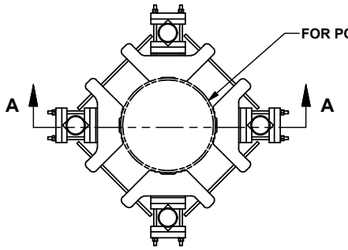
SITE NUMBER:
SC60168A

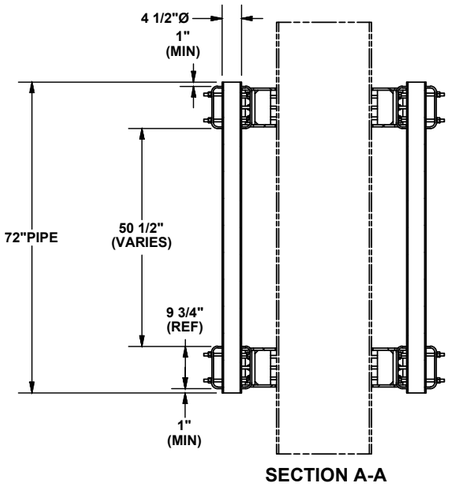
SITE ADDRESS:
21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:
EQUIPMENT DETAILS

SHEET NUMBER:
A-6.6

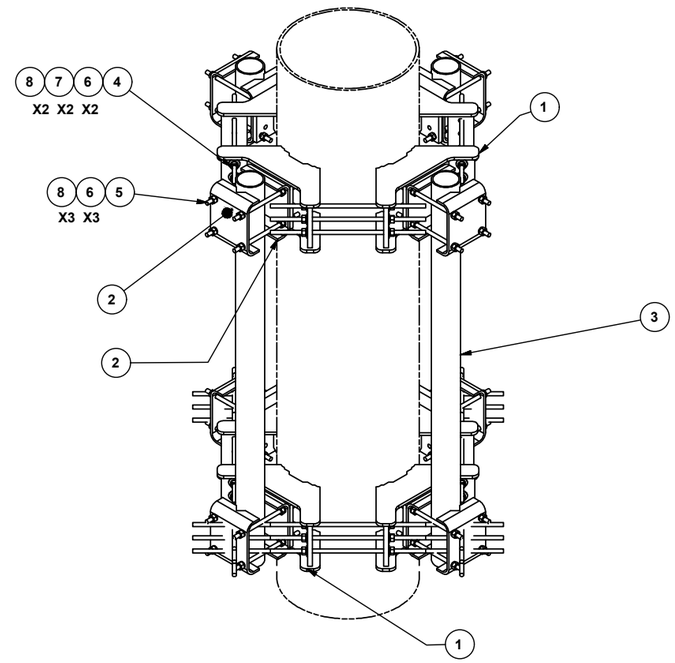
VSE Project Number: U2350-1076-231





SECTION A-A

PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	8	X-UQB4	QUAD BRACKET WELDMENT		61.57	492.54
2	16	X-214130	BENT PLATE V-CLAMP	12 5/8 in	11.43	182.88
3	4	P472	4-1/2" X 72" SCH. 40 GALVANIZED PIPE	72 in	64.81	259.25
4	12	G58R-48	5/8" X 48" THREADED ROD (HDG.)		4.43	53.19
4	24	G58R-24	5/8" X 24" THREADED ROD (HDG.)		2.22	53.19
5	32	G58R-14	5/8" x 14" THREADED ROD (HDG.)		1.22	39.03
6	48	G58FW	5/8" HDG USS FLATWASHER	1/8 in	0.07	3.38
7	144	G58LW	5/8" HDG LOCKWASHER		0.03	3.76
8	144	A58NUT	5/8" HDG A325 HEX NUT		0.13	18.70
					TOTAL WT. #	1105.92



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS AND ANGLES ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

DESCRIPTION
MONOPOLE QUAD SECTOR FRAME ATTACHEMENT ASSEMBLY

SITE PRO 1 — A valmont COMPANY
Engineering Support Team: 1-888-753-7446
Locations: New York, NY; Atlanta, GA; Los Angeles, CA; Plymouth, IN; Salem, OR; Dallas, TX; Tampa, FL

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.	PAGE
	JET 8/7/2019	8/8/2019	MSFAA-Q	1 OF 1
CLASS 01 / SUB 01	DRAWING USAGE: CUSTOMER	CHECKED BY: BMC 8/8/2019	DWG. NO.: MSFAA-Q	

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

MOUNT DETAIL | 1

PLANS PREPARED FOR:
SBA
959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:
Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:
VECTOR ENGINEERS

ENGINEERING SEALS

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:
08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:
CROWS LANDING

SITE NUMBER:
SC60168A

SITE ADDRESS:
21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:
EQUIPMENT DETAILS

SHEET NUMBER:
A-6.7

VSE Project Number: U2350-1076-231

NorthStar
an EnerSys company

NSB 210FT RED

The NSB RED Battery® delivers long life for reliable and unreliable grid conditions.

- Pure lead AGM technology delivers long float life for telecom applications even at elevated temperatures
- 15 year float life at 20 °C (68°F)
- EUROBAT design life definition: Very Long Life (12+ years)
- High energy density
- Operating temperature range: -40°C to +65°C (-40°F to 149°F)
- State-of-the-art automated manufacturing ensures consistency and reliability
- Advanced 3 stage terminal design to ensure leak-free operation - female M8 brass terminals provide maximum performance
- 2 year shelf life at 25 °C (77°F)
- High modulus Polyphenylene Oxide (PPO) plastic materials designed to withstand extended elevated operating temperatures and maintain high battery compression essential for reliable operation
- Non-halogenated, thermally sealed plastic casing
- Flame retardant (UL 94 V0) and LOI of at least 28%
- Integral handles and front access terminals ensure ease of installation and maintenance
- Approved as non-hazardous cargo for ground, sea, and air transport - DOT 49CFR173.159(d), (i) and (ii)

Release date: 2017-10-06

NorthStar
an EnerSys company

northstarbattery.com

NSB 210FT RED

Nominal Technical Specifications

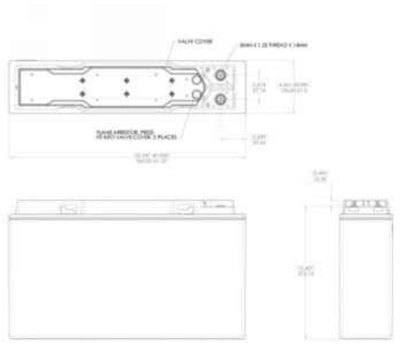
Dimensions

Height	12.9 in	Width	4.96 in
Length	22 in	Weight	132 lbs

Electrical

Terminal	Female M8 x 1.25
Terminal torque	8.0 Nm (71 in-lbs)
1 hr capacity to 1.70VPC @ 20/25°C (68/77°F)	142 / 148 Ah
3 hr capacity to 1.75VPC @ 20/25°C (68/77°F)	177 / 182 Ah
8 hr capacity to 1.75VPC @ 20/25°C (68/77°F)	200 / 204 Ah
10 hr capacity to 1.80VPC @ 20/25°C (68/77°F)	204 / 207 Ah
Float voltage @ 20/25°C (68/77°F)	2.28 / 2.27 VPC
Impedance (1Khz)	2.8 mΩ @ 25°C (77°F)
Conductance	1920 S
Short circuit current	5400 A
Operation temperature range	-40°C to +65°C (-40°F to 149°F)
Nominal voltage	12 V

Technical Drawing



All NorthStar batteries are compliant with: Telcordia SR4228, IEC 60896, Bellcore GR-63-Core, Issue 1; British, German, and Russian telecom standards; UL approved and UN2800 certified. NorthStar is registered to ISO 9001 and ISO 14001.

NorthStar Americas PARTIAL
NorthStar Battery Company LLC
4000 Continental Way
Springfield, MO, 65803,
United States of America
info@northstarbattery.com
Tel: +1 417 575 6200
Fax: +1 417 575 6250

NorthStar Europe
SiteTel Sweden AB
Hauklädargatan 8A
SE-164 40 Kista,
Stockholm, Sweden
europe@northstarbattery.com
Tel: +46 8 410 102 00
Fax: +46 8 636 05 00

NorthStar Middle East, Africa
NorthStar Battery DMCC
Office 702, Saba 1 Tower
Jumeirah Lake Towers, Dubai
United Arab Emirates
mea@northstarbattery.com
Tel: +971 4 423 6060
Fax: +971 4 423 6061

NorthStar Asia-Pacific
NS Asia Pacific Sdn Bhd
B2-9A-19A, Solaris Dutamas
No. 1, Jalan Dutamas 1, 50480
Kuala Lumpur, Malaysia
asia@northstartelet.com
Tel: +60 3 6419 0711

Release date: 2017-10-06

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

BATTERY INFORMATION | 1

PLANS PREPARED FOR:
SBA
959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:
Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:
VECTOR ENGINEERS

ENGINEERING SEALS:
REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:
08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	**A**
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:
CROWS LANDING

SITE NUMBER:
SC60168A

SITE ADDRESS:
21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:
EQUIPMENT DETAILS

SHEET NUMBER:
A-6.8

VSE Project Number: U2350-1076-231

1. GENERAL

1.1. ALL CONSTRUCTION SHALL CONFORM TO THE 2022 CALIFORNIA BUILDING CODE. REFERENCE TO OTHER STANDARDS OR CODES SHALL MEAN THE LATEST STANDARD OR CODE ADOPTED & PUBLISHED.

1.2. DRAWINGS SHOW TYPICAL & CERTAIN SPECIFIC CONDITIONS ONLY. FOR DETAILS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS SIMILAR TO THOSE SHOWN.

1.3. EXISTING STRUCTURES & UNDERGROUND UTILITIES/STRUCTURES ARE ON DRAWINGS FOR CLARITY ONLY. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS & ELEVATIONS BEFORE STARTING WORK. NOTIFY STRUCTURAL ENGINEER IN WRITING OF ANY INTERFERENCE AND/OR DISCREPANCIES THAT MIGHT EXIST.

1.4. THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

1.5. COORDINATE STRUCTURAL CONTRACT DOCUMENTS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING & CIVIL. NOTIFY STRUCTURAL ENGINEER OF ANY CONFLICT AND/OR OMISSION.

1.6. COORDINATE & VERIFY FLOOR, ROOF AND WALL OPENING SIZES & LOCATIONS WITH ARCHITECTURAL, MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS. FOR ADDITIONAL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS, SEE ARCHITECTURAL & MECHANICAL DRAWINGS.

1.7. FOR DIMENSIONS NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.

1.8. REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW & CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS & OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, & DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR IS ALSO RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

1.9. STRUCTURAL DESIGN DRAWINGS SHALL NOT BE REPRODUCED AS SHOP DRAWINGS. CONTRACTOR & HIS SUBCONTRACTORS SHALL PREPARE ORIGINAL SHOP DRAWINGS.

1.10. CONTRACTOR SHALL REVIEW & STAMP ALL SHOP DRAWINGS BEFORE SUBMITTAL FOR REVIEW. PROPOSED FABRICATION CHANGES FROM DESIGN DRAWINGS SHALL BE NOTED IN SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN ARCHITECTURAL & STRUCTURAL DRAWINGS SHALL BE NOTED TO BE VERIFIED ON SHOP DRAWINGS.

1.12. RISK CATEGORY = II

1.13. DESIGN GRAVITY LOADS:

DEAD LOADS:
EQUIPMENT _____ SEE PLAN
LIVE LOADS _____ N/A
SNOW LOAD:
GROUND SNOW LOAD, Pg _____ 25 PSF

1.14. WIND LOADS:

ULTIMATE WIND SPEED (3 SEC. GUST), Vult _____ 135 MPH
NOMINAL DESIGN WIND SPEED, Vasd _____ 81 MPH
EXPOSURE CATEGORY _____ C

1.15. SEISMIC LOADS:

SEISMIC IMPORTANCE FACTOR, Ie _____ 1.00
MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:
(SHORT SECOND) Ss _____ 1.330
(1-SECOND PERIOD) S1 _____ 0.681
SITE CLASS _____ D
DESIGN SPECTRAL RESPONSE ACCELERATION COEFFICIENTS:
(SHORT SECOND) SDS _____ 0.887
(1-SECOND PERIOD) SD1 _____ 0.681
SEISMIC DESIGN CATEGORY _____ D
NON-STRUCTURAL SEISMIC-FORCE-RESISTING
SYSTEM: _____ EQUIPMENT
SEISMIC DESIGN FORCE, FP _____ 1.13 k
SEISMIC AMPLIFICATION COEFFICIENT, ap _____ 1
SEISMIC RESPONSE COEFFICIENT, RP
PROPANE TANK _____ 1.5
PROPANE TANK _____ 2.5
SEISMIC OVERSTRENGTH COEFFICIENT, □O _____ 1

1.16. SOIL LOADS:

SOIL BEARING _____ 1500 PSF
BASE FRICTION _____ 0.25

2. FOUNDATIONS & SLAB ON GRADE

2.1. THE DESIGN OF FOUNDATIONS, RETAINING WALLS & SLAB-ON-GRADE IS BASED ON THE CRITERIA ASSUMED BY THE STRUCTURAL ENGINEER. ALL DESIGN ASSUMPTIONS SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF OREGON & DESIGNATED BY THE OWNER PRIOR TO START OF THE WORK.

2.2. TOP OF FOOTING ELEVATIONS SHOWN ON STRUCTURAL DRAWINGS ARE FOR ESTIMATING ONLY. FINAL BEARING ELEVATIONS FOR FOOTINGS SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER TO SATISFY ASSUMED DESIGN BEARING VALUES.

2.3. DRILL SMALL TEST HOLE IN SUBGRADE UNDER FOOTING BEARINGS TO CONFIRM BEARING CONDITIONS WHERE REQUIRED BY THE GEOTECHNICAL ENGINEER.

2.4. GEOTECHNICAL ENGINEER SHALL VERIFY CONDITION AND/OR ADEQUACY OF ALL SUBGRADES, FILLS & BACKFILLS BEFORE PLACEMENT OF FOUNDATIONS, FOOTINGS, SLABS, WALLS, FILLS, BACKFILLS, ETC.

2.5. SIDES OF FOUNDATIONS SHALL BE FORMED UNLESS CONDITIONS PERMIT EARTH FORMING. FOUNDATIONS POURED AGAINST THE EARTH REQUIRE THE FOLLOWING PRECAUTIONS: SLOPE SIDES OF EXCAVATIONS AS APPROVED BY GEOTECHNICAL ENGINEER & CLEAN UP SLOUGH BEFORE & DURING CONCRETE PLACEMENT.

2.6. WHERE FOOTING STEPS ARE NECESSARY, THEY SHALL BE NO STEEPER THAN ONE VERTICAL TO TWO HORIZONTAL.

2.7. COMPACT ALL FILL USED UNDER SLAB TO 95% OF STANDARD PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT.

2.8. ESTABLISH BENCH MARKS ON SURROUNDING STRUCTURES & PAVEMENTS PRIOR TO EXCAVATION, MONITOR VERTICAL & HORIZONTAL REGULARLY DURING EXCAVATION & CONSTRUCTION & SUBMIT WRITTEN REPORTS TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW.

2.9. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFETY IN CONNECTION WITH EARTH SLOPES CAUSED BY TRENCHING, EXCAVATION AND/OR FILL DURING CONSTRUCTION.

2.10. BOTTOM OF ALL FOUNDATIONS SHALL EXTEND A MINIMUM OF 12 INCHES BELOW THE TOP OF FINISH GRADE.

3. REINFORCED CONCRETE

3.1. ALL CONCRETE WORK SHALL CONFORM TO ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS. DESIGN IS BASED ON ACI 318-11, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE

3.2. UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE NORMAL WEIGHT & SHALL HAVE MINIMUM 28 DAY STRENGTHS AS FOLLOWS:

ALL _____ 3000 PSI

3.3. THE PROPOSED MATERIALS & MIX DESIGN SHALL BE FULLY DOCUMENTED & REVIEWED BY THE OWNER'S TESTING LABORATORY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S.

3.4. USE OF CALCIUM CHLORIDE, CHLORIDE IONS, OR OTHER SALTS IN CONCRETE IS NOT PERMITTED.

3.5. HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED ONLY WHERE INDICATED. THE LOCATIONS OF VERTICAL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. CONSTRUCTION JOINTS SHALL BE THOROUGHLY ROUGHENED BY MECHANICAL MEANS & CLEANED.

3.6. UNLESS NOTED OTHERWISE, CHAMFER OR ROUND ALL EXPOSED CORNERS MINIMUM 3/4". SEE ARCHITECTURAL DRAWINGS FOR CHAMFER OR REVEAL REQUIREMENTS FOR ARCHITECTURAL CONCRETE.

3.7. DETAIL CONCRETE REINFORCEMENT & ACCESSORIES IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315 & ACI DETAILING MANUAL (LATEST EDITION). SUBMIT SHOP DRAWINGS FOR REVIEW SHOWING ALL FABRICATION DIMENSIONS & LOCATIONS FOR PLACING REINFORCING STEEL & ACCESSORIES. DO NOT BEGIN FABRICATION UNTIL SHOP DRAWINGS ARE COMPLETED & REVIEWED.

3.8. DETAIL ALL CONCRETE WALLS & BEAMS ON THE SHOP DRAWINGS IN ELEVATION UNLESS SPECIFICALLY APPROVED OTHERWISE.

3.9. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 UNLESS NOTED OTHERWISE.

3.10. WELDED WIRE FABRIC (MESH) SHALL CONFORM TO ASTM A185.

3.11. TIE ALL REINFORCING STEEL & EMBEDMENTS SECURELY IN PLACE PRIOR TO PLACING CONCRETE. PROVIDE SUFFICIENT SUPPORTS TO MAINTAIN THE POSITION OF REINFORCEMENT WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES.

3.12. PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE; SPLICE ONLY AS SHOWN OR APPROVED; STAGGER SPLICES WHERE POSSIBLE; USE FULL TENSION SPLICE UNLESS NOTED OTHERWISE.

3.13. REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER UNLESS NOTED OTHERWISE:

CONCRETE AGAINST EARTH (NOT FORMED) _____ 3"
FORMED CONCRETE EXPOSED TO EARTH OR WEATHER
#6 THROUGH #18 BARS _____ 2"
#5 BARS & SMALLER _____ 1-1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER
SLABS & WALLS _____ 1"
BEAMS (STIRRUPS) & COLUMNS (TIES) _____ 1-1/2"

3.14. DO NOT WELD OR TACK WELD REINFORCING STEEL UNLESS APPROVED OR DIRECTED BY THE STRUCTURAL ENGINEER.

3.15. STEEL REINFORCEMENT TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 & THAT WELDING SHALL BE IN ACCORDANCE WITH AWS D1.4, STRUCTURAL WELDING CODE - REINFORCING STEEL BY AMERICAN WELDING SOCIETY FOR COMPLIANCE WITH ACI 318-11 SECTION 3.5.2.

3.16. SEE CIVIL & ARCHITECTURAL DRAWINGS FOR EXTERIOR SLAB WORK & JOINTING.

3.17. INCLUDE AIR ENTRAINING ADMIXTURE IN ALL CONCRETE THAT WILL BE EXPOSED TO WEATHER EXCEPT IN FOOTINGS.

3.18. INCLUDE WATER REDUCING ADMIXTURE IN ALL CONCRETE MIXES.

3.19. CONCRETE THAT WILL BE EXPOSED TO WEATHER SHALL HAVE WATER CONTENT LIMITED TO A MAXIMUM OF SIX (6) GALLONS PER SACK OF CEMENT.

3.20. THE PROPOSED MATERIALS & MIX DESIGN SHALL BE FULLY DOCUMENTED & REVIEWED BY THE OWNER'S TESTING LABORATORY. RESPONSIBILITY FOR OBTAINING THE REQUIRED DESIGN STRENGTH IS THE CONTRACTOR'S. RESULTS OF COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE ON SITE FOR INSPECTOR'S REVIEW.

3.21. BARS, OTHER THAN GRADE 40, SHALL BE MILL MARKED SO THAT TYPE, GRADE & YIELD STRENGTH ARE VISIBLY IDENTIFIABLE.

3.22. PROVIDE CORNER BARS AS PER TYPICAL DETAIL AT CORNERS & INTERSECTIONS OF ALL GRADE BEAMS & WALLS.

3.23. PROVIDE #3 @ 12" DOWELS FROM ALL ADJACENT CONCRETE GRADE BEAMS & WALLS TO INTERIOR SLABS-ON-GROUND, U.N.O.

3.24. ALL REINFORCING LAP SPLICES, UNLESS OTHERWISE SHOWN, SHALL SATISFY THE FOLLOWING SCHEDULE:

CONCRETE REINFORCEMENT LAP SPLICE LENGTH (in) GRADE 60										
BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP BAR *	28	38	47	56	81	93	105	118	131
OTHER	22	29	36	43	63	72	81	91	101

ALL BAR DEVELOPMENT LENGTHS, UNLESS OTHERWISE SHOWN, SHALL SATISFY THE FOLLOWING SCHEDULE:

CONCRETE REINFORCEMENT DEVELOPMENT LENGTH (in) GRADE 60										
BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
TOP BAR *	22	29	36	43	63	72	81	91	101
OTHER	17	22	28	33	48	55	62	70	78

* TOP BAR SHALL BE DEFINED AS ANY HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BAR, IN ANY SINGLE CONCRETE PLACEMENT. HORIZONTAL WALL BARS ARE CONSIDERED TOP BARS.

7. POST-INSTALLED REBAR & ANCHORS

7.1. SPECIFIC PRODUCT, DIAMETER, AND EMBEDMENT SHALL BE SHOWN IN THE DETAILS. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER' PRINTED INSTALLATION INSTRUCTIONS (MPII). CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND SHALL SUBMIT LETTER TO THE ENGINEER-OF-RECORD (EOR) INDICATING TRAINING HAS TAKEN PLACE. REFER TO THE PROJECT BUILDING CODE AND/OR EVALUATION REPORT FOR SPECIAL INSPECTIONS AND PROOF LOAD REQUIREMENTS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTSED BELOW MAY BE SUBMITTED BY THE CONTRACTOR TO THE EOR FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A RESEARCH REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION UNDER THE PROJECT BUILDING CODE. SUBSTITUTION REQUEST SHALL INCLUDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT.

7.2. FOR ANCHORING INTO CONCRETE:

7.2.a. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS.

7.2.b. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.9.2.4.

7.2.c. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70.

9. SPECIAL INSPECTIONS

9.1. STRUCTURAL TESTS AND INSPECTIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

9.1.a. THE INSPECTOR SHALL BE HIRED AND PAID FOR BY THE OWNER

9.1.b. THE INSPECTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE APPROVED STRUCTURAL PLANS AND SHALL SUBMIT PROGRESS REPORTS AND INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE STRUCTURAL ENGINEER OF RECORD.

9.2. SATISFY MINIMUM INSPECTION AND QUALITY CONTROL REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE.

9.3. SEE THIS SHEET FOR SCHEDULE OF SPECIAL INSPECTIONS.

PROJECT SCHEDULE OF SPECIAL INSPECTIONS

MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT			
		Y/N	EXTENT	AGENT	DATE COMPLETED
1705 POST-INSTALLED ANCHORS					
1. PREPARE A REPORT INCLUDING THE FOLLOWING DETAILS:					
A. ANCHOR DESCRIPTION, INCLUDING THE ANCHOR PRODUCT NAME, BOLT DIAMETER, AND ANCHOR LENGTH	FIELD INSPECTION	Y	CONTINUOUS		
B. HOLE DESCRIPTION INCLUDING VERIFICATION OF DRILL BIT COMPLIANCE WITH ANSI B212.15-1994. RECORD INSTALLATION DESCRIPTION, INCLUDING VERIFICATION OF MASONRY/CONCRETE COMPRESSIVE STRENGTH, AND ANCHOR INSTALLATION AND LOCATION (SPACING AND EDGE DISTANCE) IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS	FIELD INSPECTION	Y	CONTINUOUS		

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEALS

REGISTERED PROFESSIONAL ENGINEER
WELLS HOLMES
S 6203
STRUCTURAL
STATE OF CALIFORNIA

DRAWING NOTICE:
08/24/2023
THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF T-MOBILE AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF T-MOBILE.

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:
CROWS LANDING

SITE NUMBER:
SC60168A

SITE ADDRESS:
21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:
STRUCTURAL NOTES

SHEET NUMBER:
S-1

VSE Project Number: U2350-1076-231

GENERAL ELECTRICAL NOTES

GENERAL

1. EXAMINE THE SITE CONDITIONS VERY CAREFULLY AND THE SCOPE OF PROPOSED WORK TOGETHER WITH THE WORK OF ALL OTHER TRADES AND INCLUDE IN THE BID PRICE ALL COSTS FOR WORK SUCH AS EQUIPMENT AND WIRING MADE NECESSARY TO ACCOMMODATE THE ELECTRICAL SYSTEMS SHOWN AND SYSTEMS OF OTHER TRADES.
2. SUBMITTAL OF BID INDICATES CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
3. PERFORM DETAILED VERIFICATION OF WORK PRIOR TO ORDERING THE ELECTRICAL EQUIPMENT AND COMMENCING CONSTRUCTION. ISSUE A WRITTEN NOTICE TO THE CONSULTANT OF ANY DISCREPANCIES.
4. OBTAIN ALL PERMITS, PAY ASSOCIATED FEES AND SCHEDULE INSPECTION.
5. PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, INSURANCE, AND SERVICES TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND PRESENT IT AS FULLY OPERATIONAL TO THE SATISFACTION OF THE OWNER.
6. CARRY OUT WORK IN ACCORDANCE WITH ALL GOVERNING STATE, COUNTY AND LOCAL CODES AND O.S.H.A.
7. PRIOR TO BEGINNING WORK COORDINATE ALL POWER AND TELCO WORK WITH THE LOCAL UTILITY COMPANY AS IT MAY APPLY TO THIS SITE. ALL WORK TO COMPLY WITH THE RULES AND REGULATIONS OF THE UTILITIES INVOLVED.
8. FABRICATION AND INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEM SHALL BE DONE IN A FIRST CLASS WORKMANSHIP PER NECA STANDARD 1-2000 BY QUALIFIED PERSONNEL EXPERIENCED IN SUCH WORK AND SHALL SCHEDULE THE WORK IN AN ORDERLY MANNER SO AS NOT TO IMPEDE PROGRESS OF THE PROJECT.
9. DURING PROGRESS OF THE WORK, MAINTAIN AN ACCURATE RECORD OF THE INSTALLATION OF THE ELECTRICAL SYSTEMS, LOCATING EACH CIRCUIT PRECISELY AND DIMENSIONING EQUIPMENT, CONDUIT AND CABLE LOCATIONS. UPON COMPLETION OF THE INSTALLATION, TRANSFER ALL RECORD DATA TO BLACK LINE PRINTS OF THE ORIGINAL DRAWINGS AND SUBMIT THESE DRAWINGS AS RECORD DRAWINGS TO THE CONSULTANT.
10. COMPLETE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE BY OWNER. ANY WORK, MATERIAL, OR EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
11. GENERAL CONTRACTOR IS RESPONSIBLE FOR REQUESTING CONNECTION OF COMMERCIAL POWER FROM THE POWER COMPANY. ELECTRICAL CONTRACTOR SHALL COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
12. COORDINATE EXACT TELEPHONE REQUIREMENTS AND SERVICE ROUTING WITH LOCAL TELEPHONE COMPANY. APPLY FOR TELEPHONE SERVICE IMMEDIATELY UPON AWARD OF CONTRACT.

BASIC MATERIALS AND METHODS

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE EDITION OF THE NEC ACCEPTED BY THE LOCAL JURISDICTION AND TO THE APPLICABLE LOCAL CODES AND REGULATIONS.
2. ALL MATERIALS AND EQUIPMENT SHALL BE PROPOSED. MATERIALS AND EQUIPMENT SHALL BE THE STANDARD PRODUCTS OF MANUFACTURER'S CURRENT DESIGN. ANY FIRST-CLASS PRODUCT MADE BY A REPUTABLE MANUFACTURER MAY BE USED PROVIDING IT CONFORMS TO THE CONTRACT REQUIREMENTS AND MEETS THE APPROVAL OF THE CONSULTANT AND THE OWNER.
3. ARRANGE CONDUIT, WIRING, EQUIPMENT, AND OTHER WORK GENERALLY AS SHOWN, PROVIDING PROPER CLEARANCES AND ACCESS. CAREFULLY EXAMINE ALL CONTRACT DRAWINGS AND FIT THE WORK IN EACH LOCATION WITHOUT SUBSTANTIAL ALTERATION. WHERE DEPARTURES ARE PROPOSED BECAUSE OF FIELD CONDITIONS OR OTHER CAUSES, PREPARE AND SUBMIT DETAILED DRAWINGS FOR ACCEPTANCE.
4. THE CONTRACT DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ALL OFFSETS, BENDS, FITTINGS AND ACCESSORIES ARE NOT NECESSARILY SHOWN. PROVIDE ALL SUCH ITEMS AS MAY BE REQUIRED TO FIT THE WORK TO THE CONDITIONS.
5. MAINTAIN ALL CLEARANCES AS REQUIRED BY NEC.
6. SEAL AROUND CONDUITS AND AROUND CONDUCTORS WITHIN CONDUITS ENTERING THE BUILDING WHERE PENETRATION OCCURS WITH A SILICONE SEALANT TO PREVENT MOISTURE PENETRATION INTO BUILDING/SHELTER.
7. SILICONE SEAL AROUND ALL BOLTS AND SCREWS USED TO SECURE EQUIPMENT TO EXTERIOR OF BUILDING.

CONDUCTORS AND CONNECTORS

1. UNLESS NOTED OTHERWISE, ALL CONDUCTORS SHALL BE COPPER, MINIMUM SIZE #12 AWG, WITH THERMOPLASTIC INSULATION CONFORMING TO NEMA WC5 OR CROSS-LINKED POLYETHYLENE INSULATION CONFORMING TO NEMA WC7. (TYPES THHN OR THWN-2). INSULATION SHALL BE RATED FOR 90°C CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC.
2. ALL CONDUCTORS USED FOR GROUNDING SHALL BE COPPER AND SHALL HAVE GREEN INSULATION EXCEPT WHERE NOTED.
3. FOR COPPER CONDUCTORS #6 AWG AND SMALLER USE 3M SCOTCH-LOK OR T&B STA-KON COMPRESSION TYPE CONNECTORS WITH INTEGRAL OR SEPARATE INSULATION CAPS. FOR COPPER CONDUCTORS LARGER THAN #6 AWG USE SOLDERLESS, IDENT HEX SCREW OR BOLT TYPE PRESSURE CONNECTORS OR DOUBLE COMPRESSION C-CLAMP CONNECTORS, UNLESS SPECIFIED OTHERWISE ON DRAWINGS.
4. UNLESS NOTED OTHERWISE ALL LUGS SHALL BE TIN PLATED COPPER, TWO-HOLE, LONG BARREL, COMPRESSION TYPE.
5. CONDUCTOR LENGTHS SHALL BE CONTINUOUS FROM TERMINATION TO TERMINATION WITHOUT SPLICES. SPLICES ARE NOT ACCEPTABLE. IF SPLICES ARE UNAVOIDABLE PRIOR APPROVAL FROM THE ENGINEER MUST BE OBTAINED.

RACEWAYS AND BOXES

1. ALL CONDUIT SHALL BE UL LABELED.
2. ALL EMPTY CONDUITS INSTALLED FOR FUTURE USE SHALL HAVE A PULL CORD.
3. SHEET METAL BOXES SHALL CONFORM TO NEMA OS1; CAST-METAL BOXES SHALL CONFORM TO NEMA 81 AND SHALL BE SIZED IN ACCORDANCE WITH NEC UNLESS NOTED OTHERWISE.

GROUNDING

1. ALL LIGHTNING PROTECTION AND SAFETY GROUNDING OF THE ELECTRICAL EQUIPMENT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT NFPA STANDARDS AND T-MOBILE STANDARDS.
2. GROUND LUGS ARE SPECIFIED UNDER SECTION 3 "CONDUCTORS AND CONNECTORS".
3. ALL GROUND LUG AND COMPRESSION CONNECTIONS SHALL BE COATED WITH ANTI-OXIDANT AGENT, SUCH AS NO-OX, NOALOX, PENETROX OR KOPRSHIELD.
4. GROUND ALL EXPOSED METALLIC OBJECTS ON EQUIPMENT ROOM EXTERIOR.
5. PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS. USE STAINLESS STEEL HARDWARE THROUGHOUT.
6. DO NOT INSTALL GROUND RING OUTSIDE OF LEASE AREA.
7. REMOVE ALL PAINT AND CLEAN ALL DIRT FROM SURFACES REQUIRING GROUND CONNECTIONS, REPAINT TO MATCH AFTER CONNECTION IS MADE TO MAINTAIN CORROSION RESISTANCE.
8. ALL EXTERIOR GROUNDING CONDUCTORS INCLUDING EXTERIOR GROUND RING SHALL BE #2 AWG SOLID BARE TINNED COPPER UNLESS NOTED OTHERWISE. MAKE ALL GROUND CONNECTIONS AS SHORT AND DIRECT AS POSSIBLE. AVOID SHARP BENDS. THE RADIUS OF ANY BEND SHALL NOT BE LESS THAN 8" AND THE ANGLE OF ANY BEND SHALL NOT EXCEED 90°. GROUNDING CONDUCTORS SHALL BE ROUTED DOWNWARD TOWARD THE BURIED GROUND RING.
9. BOND ALL EXTERIOR CONDUITS, PIPES AND CYLINDRICAL METALLIC OBJECTS WITH A PENN-UNION GT SERIES CLAMP, BLACKBURN GUV SERIES CLAMP OR A BURNDY GAR 3900BU SERIES CLAMP ONLY, NO SUBSTITUTES ACCEPTED.
10. ALL GROUND CONNECTIONS SHALL BE APPROVED FOR THE METALS BEING CONNECTED.
11. ALL EXTERNAL GROUND CONNECTIONS SHALL BE EXOTHERMICALLY WELDED. ALL EXOTHERMIC WELDS TO EXTERIOR GROUND RING SHALL BE THE PARALLEL TYPE, EXCEPT FOR THE GROUND RODS WHICH ARE TEE EXOTHERMIC WELDS. REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY EXOTHERMIC WELDING. USE SPRAY GALVANIZER SUCH AS HOLUB LECTROSOL #15-501.
12. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER WHEN THE BURIED GROUND RING IS INSTALLED SO THE REPRESENTATIVE CAN INSPECT THE GROUND RING BEFORE IT IS BACKFILLED WITH SOIL.
13. FOR METAL FENCE POST GROUNDING, USE A HEAVY DUTY TYPE GROUNDING CLAMP OR EXOTHERMIC WELD CONNECTION TO POST. GROUND ALL FENCE POSTS WITHIN 6' OF EQUIPMENT.
14. WHERE MECHANICAL CONNECTORS (TWO-HOLE OR CLAMP) ARE USED, APPLY A LIBERAL PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS NO-OX, NOALOX, PENETROX OR KOPRSHIELD ON ALL CONNECTORS.

OVERCURRENT & SHORT-CIRCUIT/GND FAULT PROTECTION (IF APPLICABLE)

1. CONTRACTOR SHALL RECORD LOAD READINGS WHEN SITE POWER ORIGINATES FROM A 3Ø SERVICE TO MONITOR & ASSURE A BALANCED LOAD AT THE PRIMARY SUPPLY. RECORDS SHALL BE PROVIDED TO THE SITE/FACILITY OWNER. CONTRACTOR SHALL CONSULT MANUFACTURER'S PLANS, SHOP DRAWINGS AND SPECS FOR INDOOR/OUTDOOR EQUIPMENT LOCATION & INSTALLATION. ELECTRIC SERVICE SHALL BE IN COMPLIANCE WITH ALL RULES & REGULATIONS OF THE UTILITY CO. ELECT. CONTRACTOR SHALL PROVIDE EQUIPMENT WITH HIGHER SHORT-CIRCUIT FAULT CURRENT RATINGS (kA.I.C.) AS REQUIRED TO MATCH & EXCEED UTILITY CO. AVAILABLE SYMMETRICAL & ASYMMETRICAL FAULT CURRENT LEVELS. FUSES IN SERVICE SWITCHES SHALL BE CLASS "RK1", CURRENT LIMITING TYPE, 200 kA.I.C., NON-TIME DELAY, DISCONNECT SWITCHES TO HAVE REJECTION CLIPS, UNLESS INDICATED OTHERWISE. ELECTRICAL EQUIPMENTS & PROTECTIONS SHALL BE STANDARD kAIC RATED HIGHER THAN INCOMING EQUIPMENT AND/OR UTILITY CO. kAIC RATE AND CONSIDERING ELECTRIC MOTORS FAULT CONTRIBUTION. CONTRACTOR SHALL NOT BEGIN CONSTRUCTION UNTIL THIS MANDATORY REQUIREMENT IS MET. IF PROPOSED LOAD IS ADDED CONTRACTOR SHALL VERIFY & CONFIRM BEFORE CONSTRUCTION THAT TOTAL UTILITY SERVICE LOAD SHALL KEEP EQUAL TO (125% MAX. DEMAND+ PROPOSED LOAD)< 80% SERVICE ENTRANCE CONDUCTORS/MAIN OVER CURRENT PROTECTION CAPACITY, WHICHEVER RATING IS LOWER. LIGHTING SHALL MEET NEC, IESNA AND/OR FAA STANDARDS IF APPLICABLE. PHOTOMETRIC LEVELS SHALL COMPLY WITH LOCAL, STATE & FEDERAL RULES. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCESSIBLE AREAS ONLY. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELE- PHONE UTILITY COMPANIES.

LEGEND

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER
	NON-FUSIBLE DISCONNECT SWITCH
F	FUSIBLE DISCONNECT SWITCH
	SURFACE MOUNTED PANEL BOARD
TR	TRANSFORMER
M	KILOWATT HOUR METER
	DENOTES CABLE OR CONDUIT TURNING UP IN PLAN VIEW
	DENOTES CABLE OR CONDUIT TURNING DOWN IN PLAN VIEW
JB	JUNCTION BOX
PB	PULL BOX TO NEC/TELCO STANDARDS
OHU OHU	OVERHEAD UTILITIES
UGT UGT	UNDERGROUND TELCO
UGP UGP	UNDERGROUND POWER
2	DENOTES REFERENCE NOTE
	EXOTHERMIC WELD CONNECTION
	MECHANICAL CONNECTION (eg LUG, C-TAP)
	GROUND ROD
	GROUND ROD WITH INSPECTION SLEEVES
	GROUND BAR
	PIN AND SLEEVE RECEPTACLE
	GROUND CONDUCTOR
HP	MOTOZ W/ HORSEPOWER RATING

ABBREVIATIONS

AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
BFG	BELOW FINISHED GRADE
C	CONDUIT
CRGB	CELL REFERENCE GROUND BAR
CU	COPPER
C/W	COMPLETE WITH
D.T.T.	DRY TYPE TRANSFORMER
EC	EMPTY CONDUIT
G	GROUND
GE	GROUNDING ELECTRODE
GEC	GROUNDING ELECTRODE CONDUCTOR
GRC	GALVANIZED RIGID CONDUIT
MTS	MANUAL TRANSFER SWITCH
NEC	NATIONAL ELECTRICAL CODE
O/H	OVERHEAD
RNC	RIGID NON-METALLIC CONDUIT (SCHEDULE 80 PVC)
SD	SERVICE DISCONNECT SWITCH
SE	SERVICE ENTRANCE
SN	SOLID NEUTRAL
TGB	TELCO GROUND BAR
TEGB	TOWER EXIT GROUND BAR
TR	TRANSFORMER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
WP	WEATHERPROOF - NEMA 3R
U/G	UNDERGROUND
PPC	POWER PROTECTION SHELTER

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
DEAN J. LEVORSEN
E 12178
ELECTRICAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	**A**
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

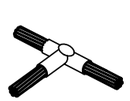
SHEET DESCRIPTION:

GENERAL ELECTRICAL NOTES

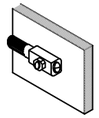
SHEET NUMBER:

E-1

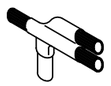
VSE Project Number: U2350-1076-231



TYPE TA

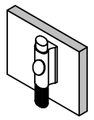


TYPE VN

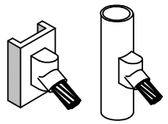


TYPE NC

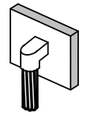
TYPE SS



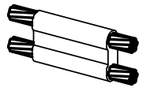
TYPE VV



TYPE VS



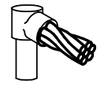
TYPE VB



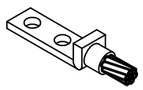
TYPE PT

TYPE GT

TYPE GY



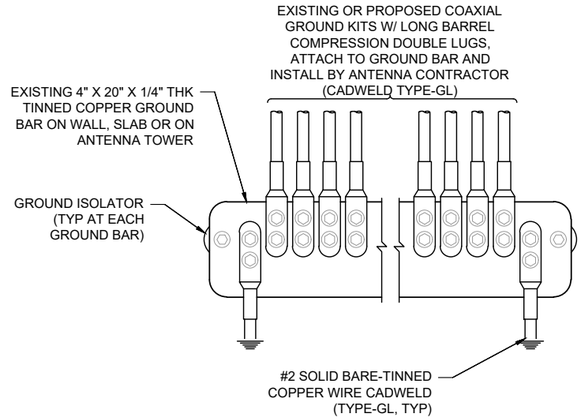
TYPE GR



TYPE GL

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

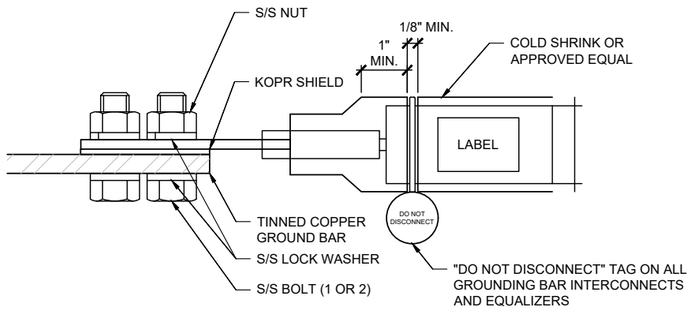
CADWELD GROUND CONNECTION DETAILS | 1



NOTES:
APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG.

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

INSTALLATION OF GROUNDING CONDUCTOR TO GROUNDING BAR | 2



22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

TWO HOLE LUG | 4

NOT USED | 3

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
DEAN P. LEVORSEN
E 12178
ELECTRICAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:

GROUNDING DETAILS

SHEET NUMBER:

E-2

VSE Project Number: U2350-1076-231

120/208V 1Ø 3-WIRE
MAIN CB: 2P/200A

LOAD CENTER PANEL SCHEDULE

22K AIC RATING

MOUNTING: SURFACE
NEMA: 3R
LOCATION: LEASE AREA

VOLT AMPS PHASE A	VOLT AMPS PHASE B	DESCRIPTION	POLE	BRKR.	CIRCUIT	A	B	CIRCUIT	BRKR.	POLE	DESCRIPTION	VOLT AMPS PHASE A	VOLT AMPS PHASE B
-		SERVICE DISCONNECT	2	200					200	2	GEN. SERVICE DISCONNECT	-	
	-												-
100	-	SURGE	2	30	1	●		2	-	1	SPACE	-	-
-	100				3		●	4	-	1	SPACE	-	-
180	-	TECH LIGHT	1	20	5	●		6	-	1	SPACE	-	-
-	180	GFI	1	20	7		●	8	-	1	SPACE	-	-
10,500	-	6160	2	125	9	●		10	-	1	SPACE	-	-
-	10,500				11		●	12	-	1	SPACE	-	-
-	-	SPACE	1	-	13	●		14	-	1	SPACE	-	-
-	-	SPACE	1	-	15		●	16	-	1	SPACE	-	-
-	-	SPACE	1	-	17	●		18	-	1	SPACE	-	-
-	-	SPACE	1	-	19		●	20	-	1	SPACE	-	-
-	-	SPACE	1	-	21	●		22	-	1	SPACE	-	-
-	-	SPACE	1	-	23		●	24	-	1	SPACE	-	-
-	-	SPACE	1	-	25	●		26	-	1	SPACE	-	-
-	-	SPACE	1	-	27		●	28	-	1	SPACE	-	-
-	-	SPACE	1	-	29	●		30	-	1	SPACE	-	-
-	-	SPACE	1	-	31		●	32	-	1	SPACE	-	-
-	-	SPACE	1	-	33	●		34	-	1	SPACE	-	-
-	-	SPACE	1	-	35		●	36	-	1	SPACE	-	-
-	-	SPACE	1	-	37	●		38	-	1	SPACE	-	-
-	-	SPACE	1	-	39		●	40	-	1	SPACE	-	-
10,780	10,780					VA/LINE						-	-

PHASE A = 10,780 PHASE B = 10,780

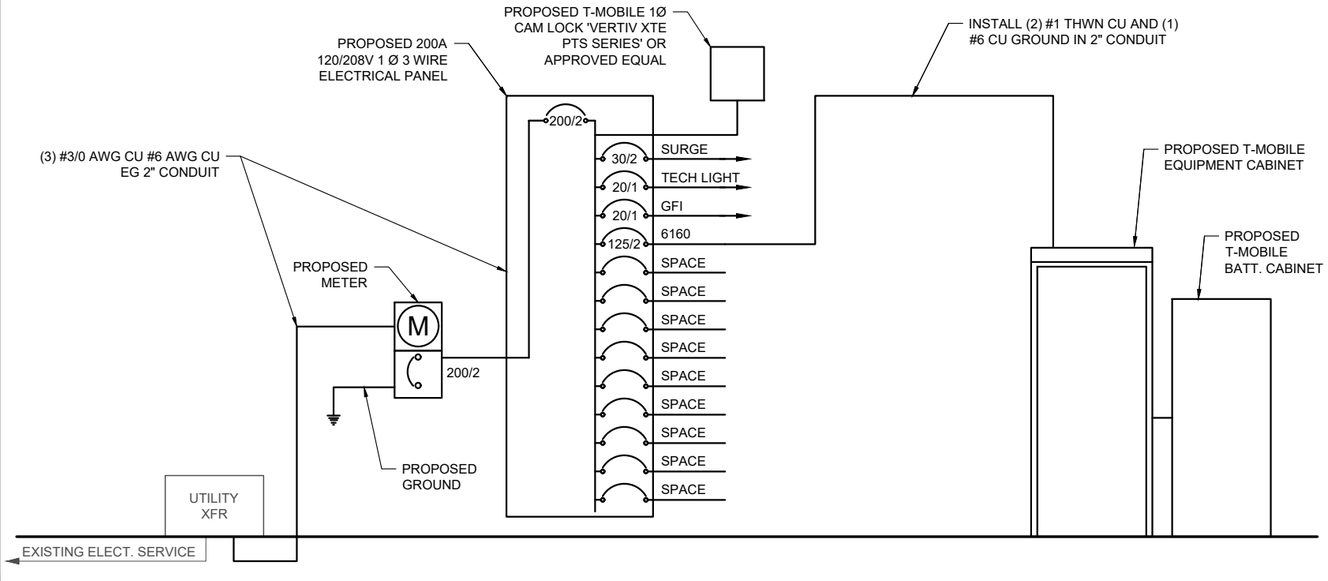
(CONTINUOUS LOADS X 25%)
21000 VA X .25 = 5250 VA 25% OF CONTINOUS LOAD
21560 + 5250 = 26810 VA / 1000 = TOTAL CONNECTED LOAD: 26.8 KVA
26810 VA / 208V = TOTAL DESIGN AMPS: 128.9A

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

PROPOSED PANEL SCHEDULE | 1

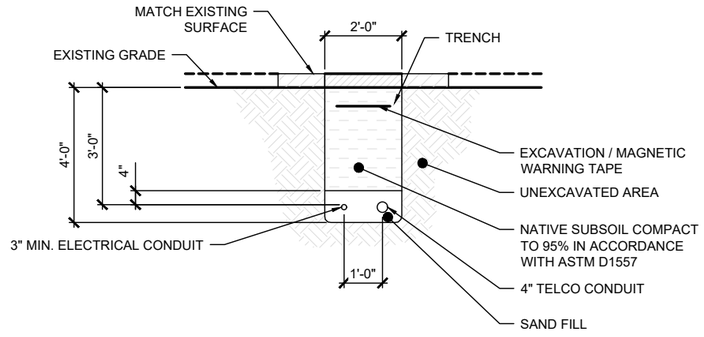
22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

NOT USED | 2



22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

PROPOSED ONE-LINE DIAGRAM | 3



NOTE:

JURISDICTION MAY REQUIRE DIRECTIONAL BORING OF TRENCH FOR CONDUITS - CONSULT WITH JURISDICTION.

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

ELECTRICAL TRENCH | 4

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
DEAN P. LEVORSEN
E 12178
ELECTRICAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	A
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

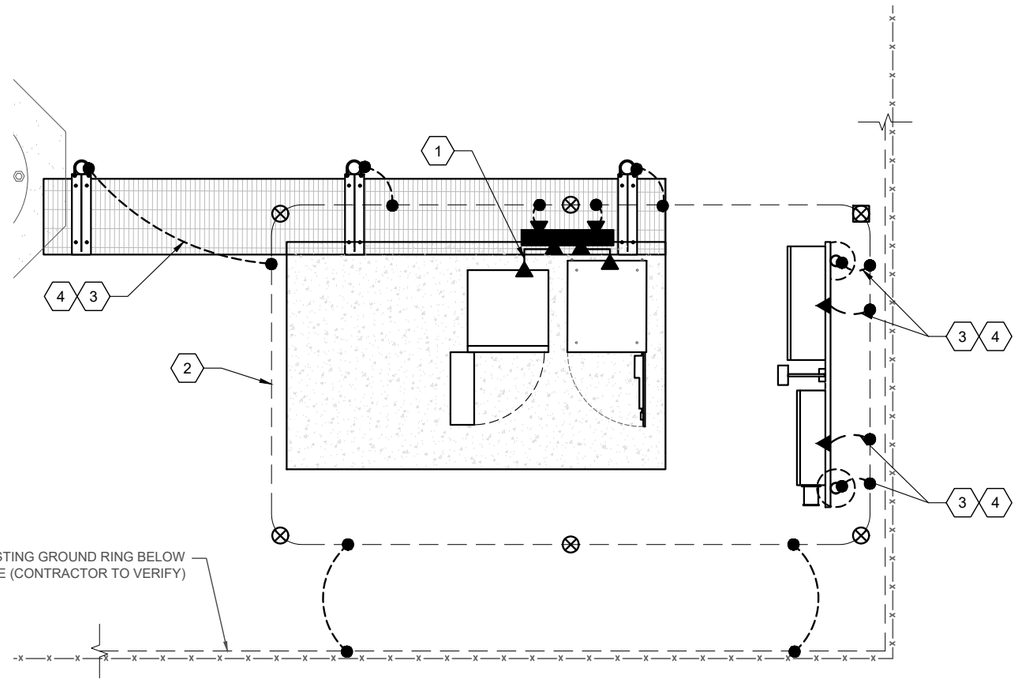
SHEET DESCRIPTION:

PANEL SCHEDULE AND ONE-LINE DIAGRAM

SHEET NUMBER:

E-3

VSE Project Number: U2350-1076-231

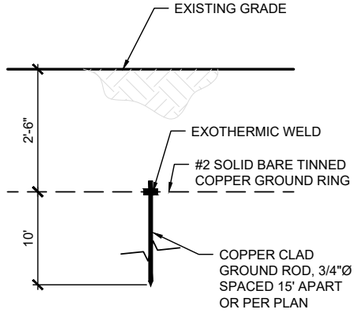


SYMBOL LEGEND

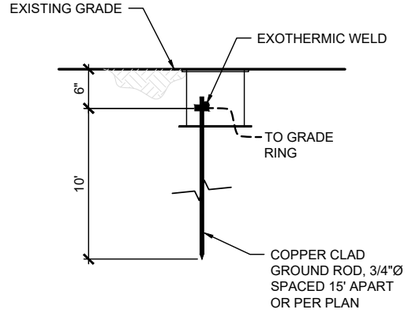
- ● EXOTHERMIC CONNECTION
- ▲ MECHANICAL CONNECTION
- ⊠ TEST WELL WITH ACCESS
- ⊗ GROUND ROD
- ▬ INTERNAL EQUIPMENT GROUND BAR
- ▬ EXTERNAL GROUND BAR
- (1) #2 AWG STRANDED INSULATED COPPER GROUND WIRE
- (2) #6 AWG STRANDED INSULATED COPPER GROUND WIRE
- (3) #2 SOLID TINNED, BARE COPPER GROUND WIRE
- (4) 1/2" FLEXIBLE SEALTIGHT CONDUIT W/SILICON SEALANT AT EACH END

22"x34" SCALE: NOT TO SCALE
11"x17" SCALE: NOT TO SCALE

NOT USED | 2



NOT TO SCALE | GROUND ROD | 4



NOT TO SCALE | INSPECTION WELL | 3

22"x34" SCALE: 1/2" = 1'-0"
11"x17" SCALE: 1/4" = 1'-0"

2' 1' 0" 2'

GROUNDING SITE PLAN | 1

NORTH

PLANS PREPARED FOR:

SBA

959 SOUTH COAST DRIVE, SUITE 200
COSTA MESA, CA 92626

PLANS PREPARED BY:

Acom CONSULTING, INC

T-Mobile

ENGINEER OF RECORD:

VECTOR ENGINEERS

ENGINEERING SEAL:

REGISTERED PROFESSIONAL ENGINEER
DEAN P. LEVORSEN
E 12178
ELECTRICAL
STATE OF CALIFORNIA

DRAWING NOTICE:

08/24/2023

REVISIONS:

DESCRIPTION	DATE	BY	REV.
90% PCD REVIEW	04/04/23	KH	**A**
PRELIMINARY REVISION	08/14/23	JL	B
CLIENT COMMENT	08/16/23	JL	C
100% FINAL CD	08/24/23	EG	0

SITE NAME:

CROWS LANDING

SITE NUMBER:

SC60168A

SITE ADDRESS:

21702 DAVIS ROAD
CROWS LANDING, CA 95313

SHEET DESCRIPTION:

GROUNDING SITE PLAN

SHEET NUMBER:

E-4

VSE Project Number: U2350-1076-231