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# **M**EMORANDUM

DATE: SEPTEMBER 5, 2024

TO: PLANNING COMMISSION

FROM: KEITH GRONENDYKE, PLANNER III & RUSS FORD, SENIOR PLANNER

SUBJECT: U 2023-0005 (TELESPAN)

On March 22, 2023 the Department received an application for a Coastal Development Use Permit to construct a new 125 foot tall monopine-type wireless communication facility (WCF) in the Manchester area. The WCF would include three arrays of antennas for separate carriers, along with associated tower and ground equipment including one emergency generator per each carrier. Additional work would include the installation of 400 feet of underground utilities. All equipment will be placed on concrete pads and located within a fenced 2,500 square foot least area located within the Telespan lease area of 4,900 square feet.

In response to staff concerns about the tower design and location, the applicant revised the project by reducing the tower height to 100 feet, proposing a 'Eucalyptus'-type design and moving the location closer to an existing stand of eucalyptus trees to provide additional camouflage and visual screening. However, the published staff reported erroneously included the original plans as reference; the updated and current plans and photosimulations are attached to this memo.

Additionally, staff proposes a slight change in the language of Condition #8, to read:

**#8** "Proposed antenna arrays shall not exceed the width of the existing array or arrays or extend beyond the limits of the faux foliage"

And a minor correction to Condition #19 which should read:

**#19** An archaeological monitor shall be present during any ground disturbing activities.



# MANCHESTER WIRELESS COLLOCATION

16401 SOUTH HIGHWAY 1 MANCHESTER, CA 95726

- A (N) TELESPAN UNMANNED TELECOMMUNICATION FACILITY CONSISTING OF INSTALLING:
- (N) 70'-0"X70'-0" (4,900 SQ FT) TELESPAN LEASE AREA (N) 100' TALL MONO-EUCALYPTUS
- (N) 50' X 50' FENCED EQUIPMENT AREA W/ ACCESS GATE
   (N) APPROX. 400' OF NEW UNDERGROUND UTILITIES
- (N) UTILITY TERMINATION EQUIPMENT INCLUDING PULL BOXES, TRANSFORMER, BOLLARDS, H-FRAME, DISCONNECT SWITCH, GUTTER, AND 3 METER SOCKETS

PROJECT DESCRIPTION

. (N) ICE BRIDGE

OCCUPANCY TYPE:

PROPERTY OWNER

- (F) (12) 8' PANEL ANTENNAS ON TOWER FOR EACH OF (3) COLLOCATED CARRIERS
- (24) REMOTE RADIO UNITS ON TOWER FOR EACH OF (3) COLLOCATED CARRIERS ) (6) SURGE SUPPRESSORS ON TOWER FOR EACH OF (3) COLLOCATED CARRIERS
- 10' X 15' CONCRETE SLAB FOR GROUND BASED RADIO EQUIPMENT FOR EACH OF (3) COLLOCATED CARRIERS GROUND BASED RADIO EQUIPMENT FOR EACH OF (3) COLLOCATED CARRIERS
- STANDBY EMERGENCY GENERATOR FOR EACH OF (3) COLLOCATED CARRIERS
- (F) 45' OF ADDITIONAL ICE BRIDGE

### PROJECT INFORMATION

SITE NAME:	MANCHESTER	JURISDICTION:	MENDOCINO COUN
COUNTY:	MENDOCINO	POWER:	PG&E
APN:	132-180-18	TELEPHONE:	AT&T
SITE ADDRESS:	16401 SOUTH HIGHWAY 1 MANCHESTER, CA 95726		
CURRENT ZONING:	-		
CONSTRUCTION TYPE:	I-B		

U, (UNMANNED COMMUNICATIONS FACILITY) BAYWOODS LLC. 6264 LYNX TRAIL POLLOCK PINES, CA 95726-9500

TELESPAN COMMUNICATIONS LLC 3888 STATE ST, STE# 204 SANTA BARBARA, CA 93105 APPLICANT:

LEASING CONTACT: ATTN: TIM COTTER (805) 451-6283 TCOTTER@TSPAN.NET

ATTN: TIM COTTER ZONING CONTACT: (805) 451-6283 TCOTTER@TSPAN.NET

ATTN: TIM COTTER CONSTRUCTION CONTACT: (805) 451-6283 TCOTTER@TSPAN.NET

N 39 00' 23.37" NAD 83 N (39.006492') NAD 83 W 123 41' 14.97" NAD 83 LATITUDE: LONGITUDE: W (-123.687491\*) NAD 83

AMSL:

### VICINITY MAP



#### DRIVING DIRECTIONS

FROM: 3888 STATE ST, SANTA BARBARA, CA 93105

1. HEAD WEST ON STATE ST TOWARD N LA CUMBRE RD	0.2 M
2. TURN RIGHT ONTO CALLE REAL	0.2 M
3. TURN RIGHT ONTO CA-154 W/SAN MARCOS PASS RD	23.9 1
4. AT THE TRAFFIC CIRCLE, TAKE THE 2ND EXIT AND STAY ON CA-154	
W/SAN MARCOS PASS RD	8.6 M
5. MERGE ONTO US-101 N VIA THE RAMP TO SANTA MARIA	0.3 M
6. MERGE ONTO US-101 N	190 M
7. CONTINUE ONTO US-101 N	51.4 M
8. TAKE EXIT 388B TO MERGE ONTO I-880 N TOWARD OAKLAND	38.0 1
9. KEEP LEFT AT THE FORK TO STAY ON 1-880 N	2.4 M
10. USE THE RIGHT 2 LANES TO TAKE EXIT 46B FOR I-80 E/I-580 W	
TOWARD SAN RAFAEL/SACRAMENTO	1.7 MI
11. CONTINUE ONTO I-580 W/I-80 E	3.4 M
12. THE RIGHT 2 LANES TO TAKE EXIT 13B FOR I-580 TOWARD	
SAN RAFAEL/POINT RICHMOND	0.4 M
13. CONTINUE ONTO I-580 W (TOLL ROAD)	13.0 M
14. MERGE ONTO US-101 N	36.2 1
15. CONTINUE ONTO US-101 N	34.7 1
16. TAKE EXIT 522 FOR CA-128 W TOWARD FORT BRAGG/MENDOCINO	0.2 M
17. TURN LEFT ONTO CA-128 W	0.2 M
18. TURN RIGHT TO STAY ON CA-128 W	27.1 M
19. TURN LEFT ONTO MOUNTAIN VIEW RD/MOUNTAIN VIEW 510 RD	27.1 8
CONTINUE TO FOLLOW MOUNTAIN VIEW RD/MOUNTAIN VIEW STO RD	040
	24.6 1
20. TURN RIGHT ONTO CA-1 N (SIGNS FOR STATE ROUTE 1/MANCHESTER)	4.1 MI
21. TURN RIGHT	0.2 M
END AT: 16401 SOUTH HIGHWAY 1, MANCHESTER, CA 95726	
· · ·	
ESTIMATED TIME: 8 HOURS 20 MINUTES ESTIMATED DISTANCE: 462 MILES	

### CODE COMPLIANCE

ALL WORK & MATERIALS SHALL BE PERFORMED & INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

- 2022 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, VOLUME 1&2, TITLE 24 C.C.R.
  (2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
- (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
  2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
- (2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
  2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
- 2022 CALIFORNIA FIRE CODE (NC-), FART 9, TILE 24 C.C.R.
  2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
  2022 CALIFORNIA ENERGY CODE (SCC), PART 6, TILE 24 C.C.R.
  2022 CALIFORNIA FIRE CODE, PART 9, TILE 24 C.C.R.
  2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)

- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
  2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
- ANSI/EIA-TIA-222-H

ALONG WITH ANY OTHER APPLICABLE LOCAL & STATE LAWS AND REGULATIONS

### DISABLED ACCESS REQUIREMENTS

THIS FACILITY IS UNMANNED & NOT FOR HUMAN HABITATION. DISABLED ACCESS & REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA STATE BUILDING CODE, TITLE 24 PART 2, SECTION 11B-203.5

## SHEET INDEX

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I			

**MANCHESTER** 

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3888 STATE ST, STE# 204 SANTA BARBARA CA 93105

HECKED BY: S. SAVIG PROVED BY:

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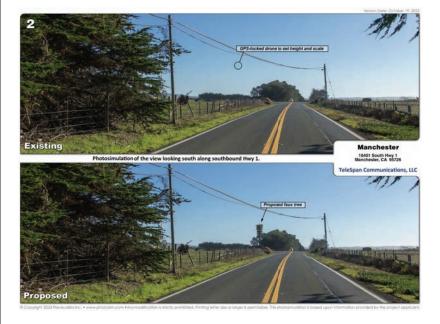


TITLE SHEET

T-1.1









16401 SOUTH HIGHWAY 1 MANCHESTER, CA 95726

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PHOTO SIMULATIONS

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S. SAVIG

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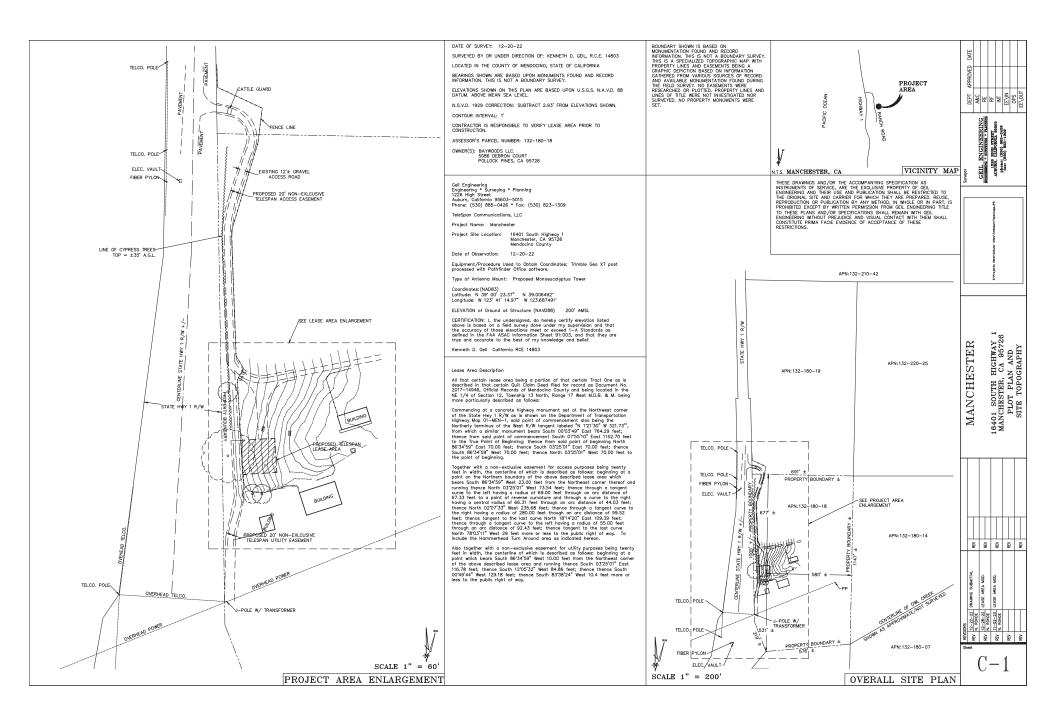
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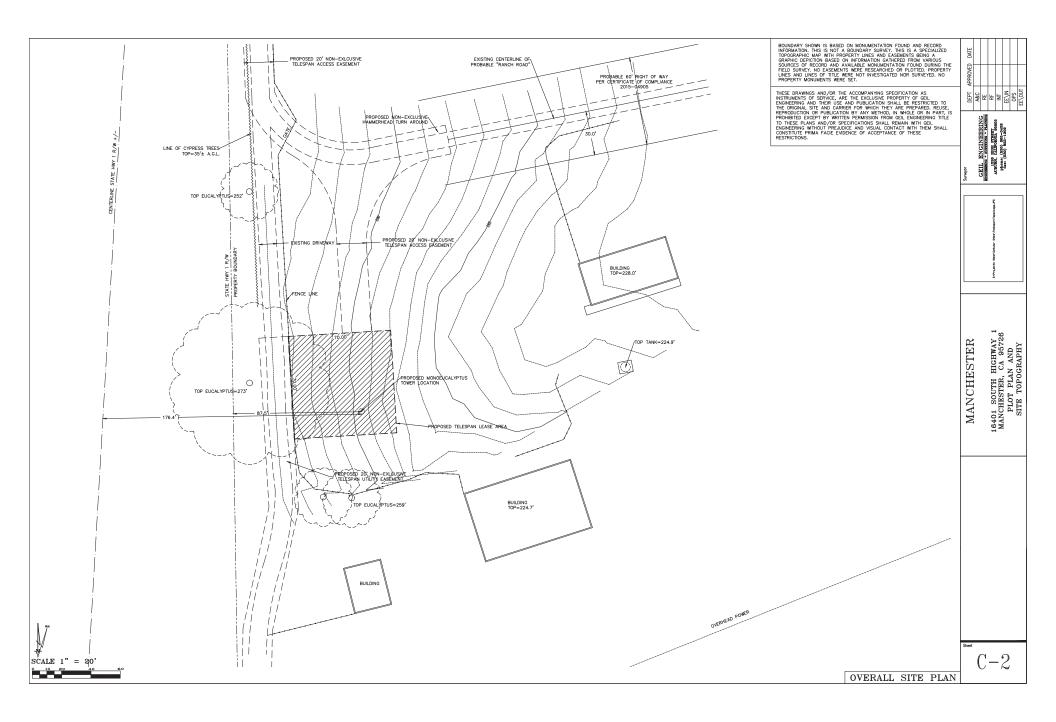
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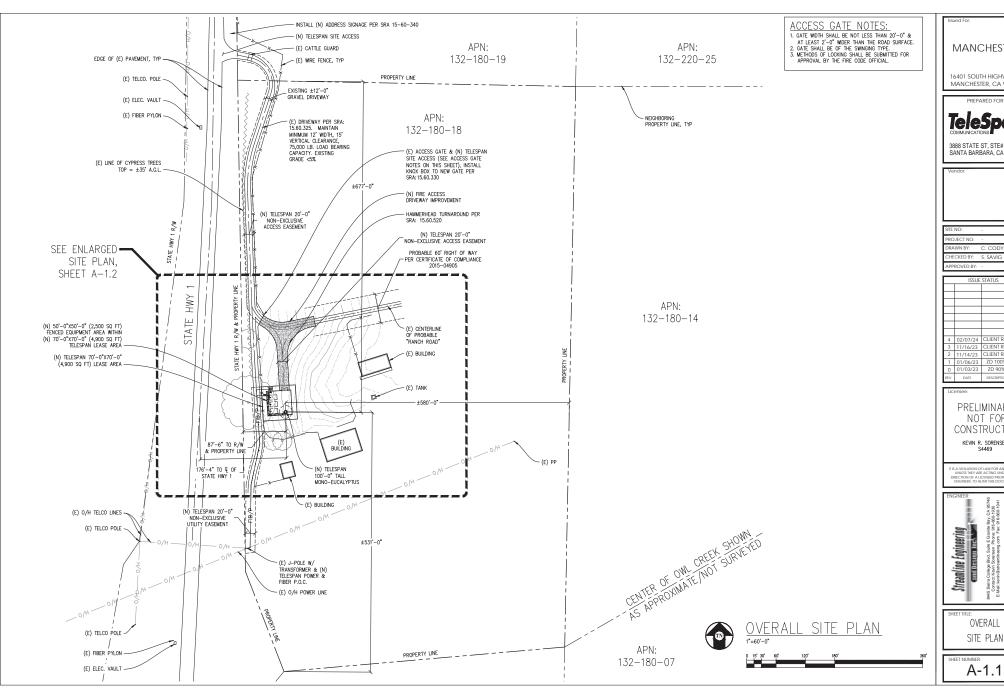


PHOTO SIMULATIONS

T-1.4







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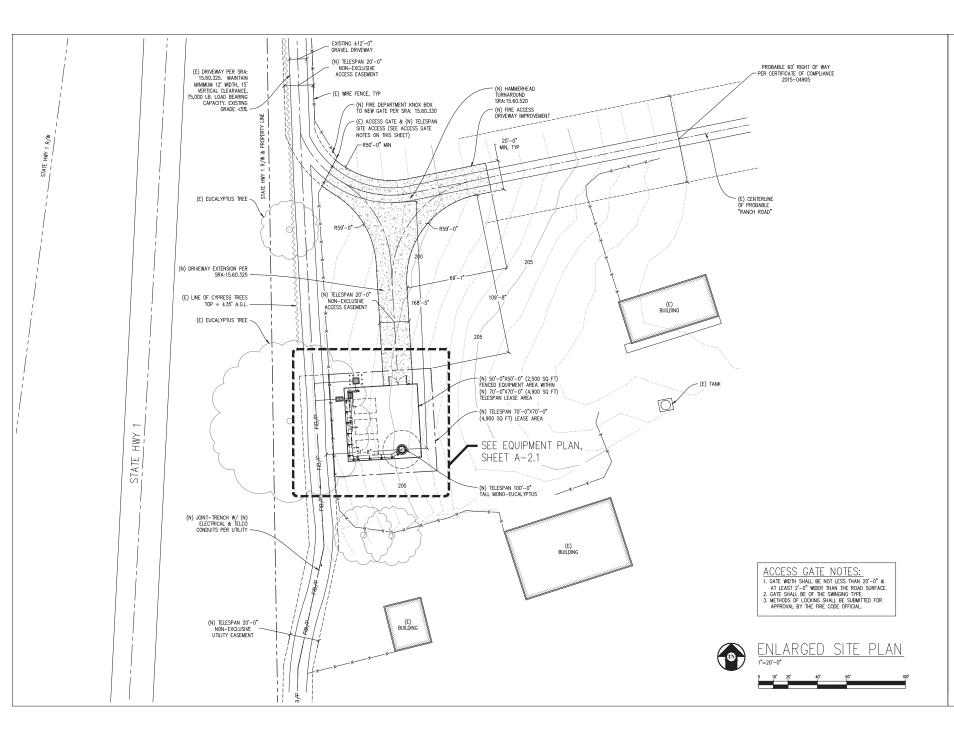
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OVERALL

A-1.1



ied For:

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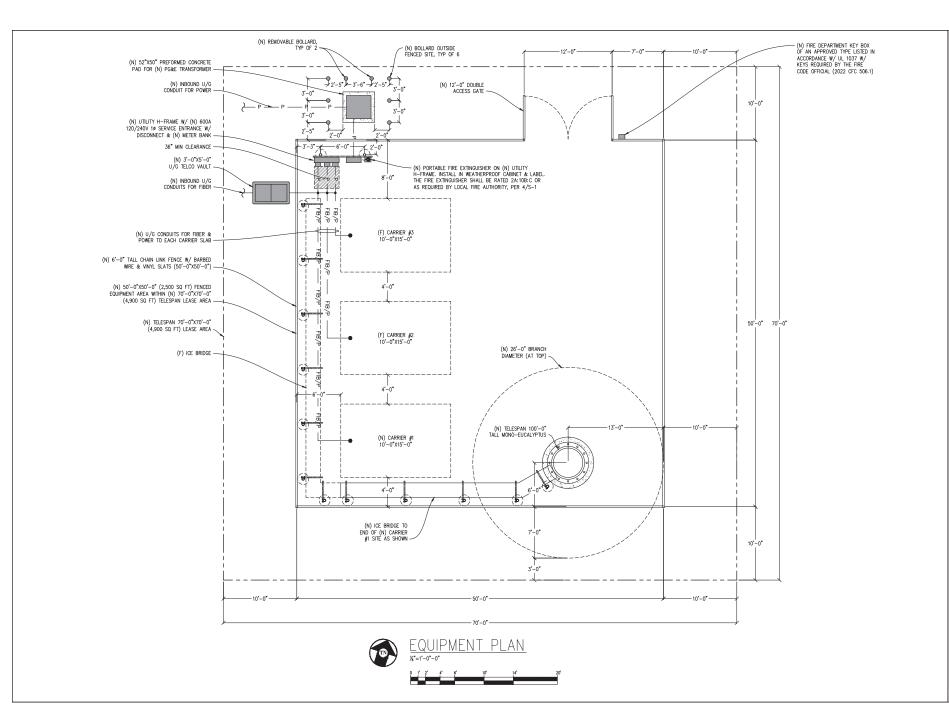
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SHEET TITLE:

ENLARGED SITE PLAN

SHEET NUMBER: A-1.2



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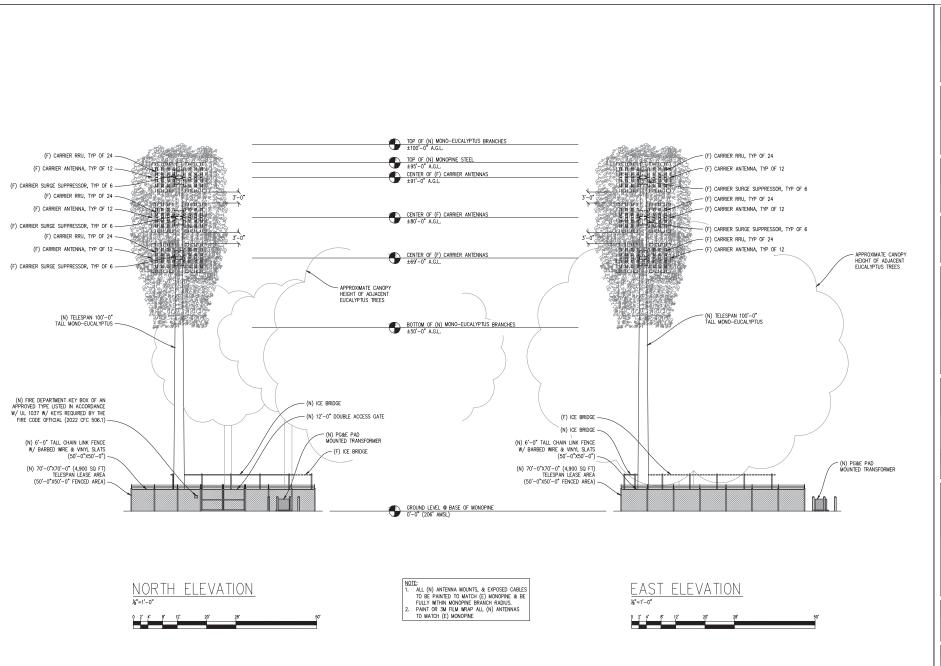
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SHEET TITLE:

EQUIPMENT PLAN

A-2.1



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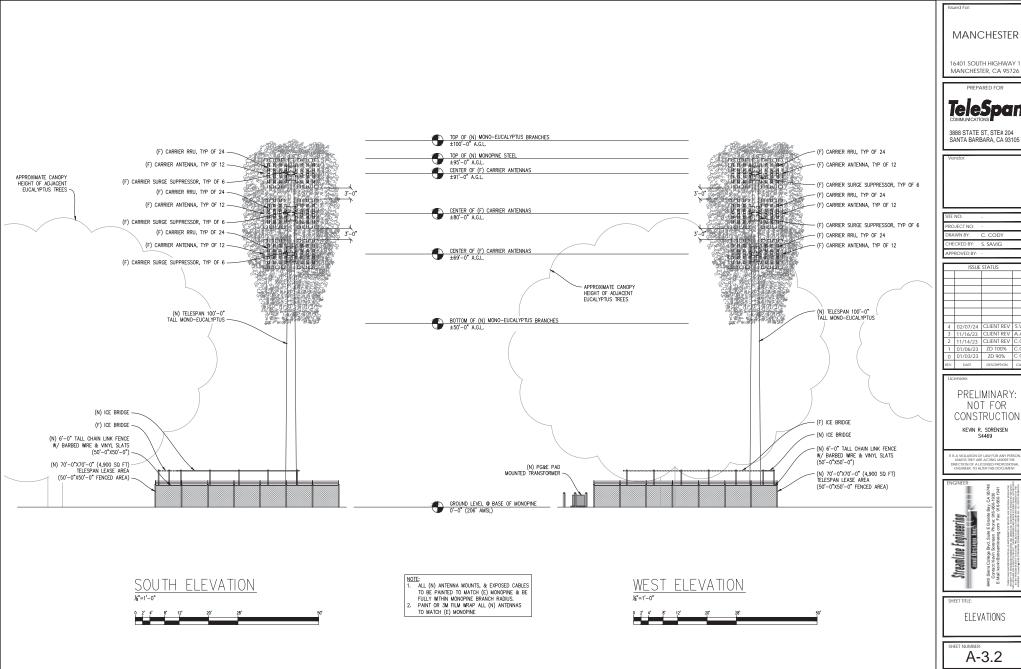
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ELEVATIONS

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#### ELECTRICAL LEGEND

MECHANICAL INTERLOCK

 $\bigcirc$ METER

CIRCUIT BREAKER

SERVICE GROUND

WIRED CONNECTION

### ELECTRICAL LABELING REQUIREMENTS

 CONTRACTOR SHALL LABEL ALL ELECTRICAL DEVICES INSTALLED OR ALTERED PURSUANT TO THIS CONTRACT PER THE FOLLOWING, LABELS SHALL BE PERMANENT BLACK ON WHITE PEEL & STICK LABEL MAKER TYPE FOR ALL SWITCH & OUTLIED PLATES, CONDUITS AND CELLING FIXTURES, AND SHALL BE PHENDLIC TAG TYPE FOR PANELS, XYMER, PULL BOXES, ETC., PHENDLIC TAGS SHALL BE RED IN OCOR WHERE BACKED UP BY GENERATOR

2. ALL PANELS, XFMR's AND PULL BOXES SHALL BE LABELED WITH DEVICE 'NAME',

VOLTAGE(S), RATING FOR XFMR'S, AND "FED FROM" DATA.

3. ALL SWITCH & OUTLET PLATES SHALL BE LABELED WITH "FED FROM" CIRCUIT DATA (PANEL NAME & CIRCUIT#); ALL GANG SWITCHES SHALL BEAR SWITCH NUMBERS BEGINNING W/#1 ON LEFT OF THE MAIN LIGHTING SWITCH FOR EACH ROOM FOR COORDINATION W/FIXTURE LABELS

4. ALL (N) OR RETROFITTED LIGHTING FIXTURES SHALL BE LABELED WITH THE "FED

FROM" DATA (SWITCH#)

5. ALL CONDUITS EXITING A PANEL BOARD SHALL BE LABELED "CIRCUIT(S) 'X'..." WHERE X IS/ARE THE BREAKER#(S). CONDUITS EXITING XFMR'S SHALL BE LABELED "FEEDER TO PANEL, DEVICE>", E.G. "FEEDER TO PANEL qual name>. CONDUITS ENTERING/EXITING A ROOM OR FLOOR SHALL BE LABELED AT THE ENTRY & EXIT (OR IN A SINGLE LOCATION IF OBVIOUS) W/"FED FROM..." & "TO PANEL/XFMR/..."DATA.

6. "FED FROM: DATA = <panel name> <br/>
dorkr#> EG: "PANEL X/1,3,5")

#### **ELECTRICAL NOTES**

- ALL ELECTRICAL WORK SHALL CONFORM TO THE 2019 CEC AS WELL AS ALL ADOPTED STANDARDS, APPLICABLE STATE AND LOCAL CODES.
   CONTRACTOR SHALL FURNISH AND INSTALL ALL COMDUIT, CONDUCTORS, PULL BOXES, TRANSFORMER PADS, POLE RISERS, AND PERFORM ALL TRENCHING AND BACKFILLING REQUIRED IN THE PLANS.
   ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER
- PLAN SPECIFICATIONS
- PLAN SPECIFICATIONS.

  A ALL CIRCUIT BREAKERS, FUSES, AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTION RATING NOT LESS THAN THE MAXIMUM SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED WITH A MINIMUM OF 10,000 A.I.C. OR AS REQUIRED. 5. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL

5. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY ALL APPLICABLE CODES.

6. ELECTRICAL MIRING SHALL BE COPPER #12 AWG MIN WITH TYPE THHN, THWN-2 OR THHW-2, BULLATION RATED FOR 90°C DRY OR 70°C WET.

7. ALL OUTDOOR EQUIPMENT SHALL HAVE NEWA XE ENCLOSURE.

8. ALL BURBED WIRE SHALL EN IN HIRQUIST SCHEDULE 40 PVC CONDUIT UNLESS OTHERWISE NOTED.

9. A GROUND WIRE SHALL FROM THROUGH SCHEDULE 40 PVC CONDUIT UNLESS

10. WIREE ELECTRICATED TO BE PILLED IN ALL CONDUITS.

10. WIREE ELECTRICATED FOR THE SHALL BE IN WATERTIGHT GALVANIZED RIGHD STEEL OR FLORISE. WIRNING SHALL BE IN WATERTIGHT GALVANIZED RIGHD STEEL OR FLORISE CONDUITS.

11. WIREE PLANS CALL FOR A NEW ELECTRICAL SERVICE, PRIOR TO SUBMITTING BID, CONTRACTOR SHALL FOR HAN PER IN THE WINTER SHALL FE HAN & ALL CONDUITS.

CONTRACTOR SHALL VERIFY PLAN DETAILS WITH THE UTILITY'S SERVICE PLAN & REQ'MTS INCLUDING SERVICE VOLTAGE, METER LOCATION, MAIN DISCONNECTING

REANS, AND AIR RECORD, AND SHALL OBTAIN CLARRICATION FROM THE PROJECT ENGINEER ON ANY DEVATIONS FOUND IN THESE PLANS.

2. WHERE THESE PLANS SHOW A DC POWER PLANT, THE INSTALLATION OPERATING AT LESS THAN 50 VDC UNGROUNDED, 2—WIRE, SHALL COMPLY WITH ARTICLE 720, AS

LESS THAN 30 VIC UNGNOVEDLED, Z=MEC, STRUCK, OMBFILL MILIT PRIVACE, ZEO, AS FOLLOWS:

A POWER PLANT SHALL BE SUPPLIED BY THE WRIELESS CARRIER AS A PULL-TAG ITEM AND INSTALLED BY THE CONTRACTOR.

B. CONDUCTORS SHALL NOT BE SMALLER THAN #12 AWG COPPER MIN, CONDUCTORS.

FOR BRANCH CIRCUITS SUPPLYING MORE THAN ONE APPLIANCE SHALL BE 10 AWG CU MIN; CONTRACTOR SHALL SIZE CONDUCTORS BASED ON MFGR'S DATA FOR THE APPLIANCES SERVED.

THE APPLANCES SERVED.

C. THERE ARE NO DE RECEPTACLES OR LUMINARIES ALLOWED ON THIS PROJECT, ALL CIRCUITS SHALL ORIGINATE AT AN INTEGRATED DOUBLE LIJUE TAP OR SOCKET TERMINATION ON AN INTEGRATED DO CIRCUIT BERKEARE AT AN INMIPIONAL RECIFIER MODULE AND TERMINATE AT THE SPECIALIZED LIJG ON THE RESPECTIVE APPLIANCE AS A SINGLE RIJO OF WIRE WITHOUT SPUCES. ALL DO WIRNIG SHALL BE LABELED AT THE DC PLANT WITH THE APPLIANCE SERVED AND THE DC

D ALL CARLING SHALL RE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND SUPPORTED BY BUILDING STRUCTURE, EG. (N) CABLE TRAY OVERHEAD, IN SUCH A MANNER THAT THE CABLE WILL NOT BE DAMAGED BY NORMAL USE.

MANCHESTER, CA 95726 TeleSpan

**MANCHESTER** 

16401 SOUTH HIGHWAY 1

3888 STATE ST, STE# 204 SANTA BARBARA, CA 93105

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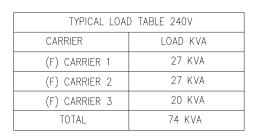
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KEVIN R. SORENSEN S4469



ELECTRICAL PLAN

E-1.1



	(N) INCOMING ELECTRICAL SERVICE PER UTILITY			
	Y		E & CONDUIT SIZE R UTILITY	
		(N) (TR	UTILITY TRANSFORI ANSFORMER PAD B	MER Y CONTRACTOR)
		PEF	EE & CONDUIT SIZE R UTILITY (SEE E-2	
		(N) EN	600A 120/240V 1 TRANCE W/ DISCON	ø SERVICE NECT
		/ (N)	200A METER CARR	
				(N) 600A RATED BUSS
		M	M M	(F) 200A METER CARRIER 3
1/0 BCW TO (N) GROUND ROD				
Ţ	_			(F) 200A METER CARRIER 2
(F) ELECTRICAL PANEL UNDER SEPARATE PERMIT, TYP				

SINGLE LINE DIAGRAM



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