



- FOR THE PURPOSE OF THIS CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:  
CONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION) AND ANY LOWER TIER SUBCONTRACTORS.  
ENGINEER - J5 INFRASTRUCTURE PARTNERS  
OWNER - VERIZON WIRELESS
- CONTRACTOR SHALL VISIT THE CELL SITE PRIOR TO THE SUBMISSION OF BIDS TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY, CONFLICT, OR OMISSION FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION, PRIOR TO BID SUBMISSION & PRIOR TO COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES DISCOVERED AFTER THE COMMENCEMENT OF CONSTRUCTION WHICH HAVE NOT BEEN BROUGHT TO THE ATTENTION OF THE ENGINEER. ANY COSTS INCURRED TO REMEDY THE SITUATION SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE ENGINEER SHALL APPROVE ALL METHODS USED TO CORRECT THE SITUATION.
- ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK.  
ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
- CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
- AT ANY TIME DURING THE DURATION OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF THE SITE. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
- AS MAY BE REQUIRED BY THE GOVERNING AGENCY OR PROPERTY OWNER, THE CONTRACTOR SHALL PROVIDE TEMPORARY POWER, WATER, OR TOILET FACILITIES.
- THE EXISTING CELL SITE IS ASSUMED TO BE IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT

## GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MEANS AND METHODS TO COMPLETE ALL UPGRADES AS INDICATED IN THIS DOCUMENT.
- ALL DIMENSIONS, SECTIONS AND DETAILS OF THE EXISTING STRUCTURE ARE INCLUDED FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL RELEVANT INFORMATION PRIOR TO CONSTRUCTION OR FABRICATION. NOTIFY THE ENGINEER-OF-RECORD IMMEDIATELY OF ANY DISCREPANCIES. ALL NEW WORK SHALL ACCOMMODATE EXISTING CONDITIONS.
- CONTRACTOR IS RESPONSIBLE FOR ERECTING TEMPORARY BARRICADES AND/OR FENCING TO PROTECT THE SAFETY OF THE PUBLIC DURING CONSTRUCTION. THE CONTRACTOR SHALL REMOVE ALL TEMPORARY BARRIERS AND REPAIR ALL DAMAGE TO PROPERTY ON THE SITE CAUSED BY THIS CONSTRUCTION. THE COST OF REPAIR IS THE CONTRACTOR'S RESPONSIBILITY.
- ALL WORK SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- COORDINATE WORK INDICATED ON THESE DRAWINGS WITH THE NEW EQUIPMENT, EXISTING EQUIPMENT, WAVEGUIDE ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT THE SITE PRIOR TO ORDERING ANY MATERIALS OR CONDUCTING ANY WORK.
- ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO AISC SPECIFICATIONS AND CODES, LATEST EDITION.
- CONTRACTOR SHALL COLD-GALVANIZE ALL RAW STEEL AS REQUIRED DURING CONSTRUCTION PROCESS.

## GENERAL UPGRADE NOTES

MUST BE COORDINATED WITH THE OWNER. ALSO, WORK MAY NEED TO BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.

- THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REGULATIONS DURING THE ENTIRE CONSTRUCTION PERIOD. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
- THE CONTRACTOR SHALL NOT USE OR INSTALL ANY MATERIAL CONTAINING ASBESTOS OR LEAD PAINT CONTENT. THE USE OF SUCH MATERIAL IS STRICTLY PROHIBITED.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON PLANS, AND TO AVOID OR PROTECT THEM FROM ANY DAMAGE. ANY COSTS INCURRED TO REPAIR UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE AT THE SOLE COST OF THE CONTRACTOR. TELEPHONE 811 FOR USA DIG ALERT.
- THE GOVERNING AGENCY MAY REQUIRE A COPY OF THE APPROVED PLANS TO BE KEPT ON SITE AT ALL TIMES. THE CONTRACTOR SHALL MAKE SUCH A SET AVAILABLE FOR INSPECTION AT ALL TIMES. ANY DEVIATIONS FROM THE APPROVED SET SHALL BE DOCUMENTED AND PROVIDED TO THE ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL BEAR THE SOLE COST TO CORRECT ANY INSTALLATION WHICH DEVIATES FROM APPROVED PLANS AND IS NOT ACCEPTED BY THE ENGINEER.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS & METHODS, TECHNIQUES, SEQUENCING, AND PROCEDURES REQUIRED TO PERFORM THE WORK. ANY ANALYSIS OF THE STRUCTURE UNDER TEMPORARY CONSTRUCTION LOADING CONDITIONS IS OUTSIDE OF THE SCOPE OF THESE DRAWINGS. THE CONTRACTOR SHOULD EVENLY DISTRIBUTE ANY MATERIAL TO BE STORED ON SITE DURING CONSTRUCTION SO THAT THE LOAD DOES NOT EXCEED THE STRUCTURES DESIGNED LIVE LOAD; OR PROVIDE TEMPORARY SHORING OR BRACING IN THESE AREAS.
- DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS SHOWN TAKE PRECEDENCE OVER SCALE.
- ALL NEW COMPONENTS ADD TO THE EXTERIOR OF THE STRUCTURE, WHICH ARE VISIBLE FROM PUBLIC VIEW, SHALL BE PAINTED TO MATCH THE EXISTING CONDITIONS.
- ALL DETAILS AND NOTES INDICATED IN THESE PLANS ARE THE MINIMUM REQUIREMENTS.
- IT MAY BE NECESSARY TO TEMPORARILY RELOCATE, REMOVE, REPLACE, OR WORK AROUND VARIOUS ARCHITECTURAL FEATURES, PIPES, FIXTURES, CABLING, OR OTHER NON-STRUCTURAL ITEMS IN ORDER TO COMPLETE THE PROPOSED WORK. CONTRACTOR SHALL RESTORE THESE ITEMS TO THEIR ORIGINAL CONDITION AT THEIR EXPENSE UNLESS OTHERWISE NOTED IN THESE PLANS.

## 1A CERTIFICATION

**CAL VADA SURVEYING INC**

**1-A ACCURACY CERTIFICATION**  
**VERIZON WIRELESS**

**Geographic Coordinates at Existing Utility Pole**

LATITUDE: 33° 45' 36.81" N ( 33.760224 DD)  
LONGITUDE: 118° 19' 48.14" W (-118.330039 DD)

**Elevations (NAVD 88)**

Ground Elevation at Existing Utility Pole: 824.0 Feet A.M.S.L. (± 824'-0")  
Top of Existing Utility Pole: 52.9 Feet A.G.L. (± 52'-11")  
Overall Height: Top of Existing Utility Pole: 52.9 Feet A.G.L. (± 52'-11")

**Site Name:** Sunnyridge MC A2  
**Site Address:** 28880 1/2 Palos Verdes Dr. East, Palos Verdes, CA 90275  
**Survey Date:** July 17, 2019  
**Data Source:** The SmartNet North America C.O.R.S. "CAPE"

**LICENSED LAND SURVEYOR**  
A. Fernando D. Dupont  
L.S. 7780  
Exp. 12-31-19

I hereby certify that the latitude and longitude shown above are accurate to within +/- 15 feet horizontally and that the elevation shown above are accurate to within +/- 3 feet vertically. The horizontal datum (Geographic Coordinates) is in terms of the North American Datum of 1983 (NAD 83) and is expressed in degrees (°), minutes ('), and seconds (")., to the nearest hundredth of a second. The vertical datum (Elevations) is in terms of the North American Vertical Datum of 1988 (NAVD 88) and is determined to the nearest tenth of a foot.

Note: DD indicates Decimal Degrees.

Los Angeles 411 Jenks Circle, Suite 205, Corona, CA 92880 Phone (951) 280-9960 Fax (951) 280-9746  
Denver 6551 S. Revere Parkway, Suite 165, Centennial, CO 80111 Phone (720) 488-1303 Fax (720) 488-1306

Job No. 19413-13  
07/22/2019 AV



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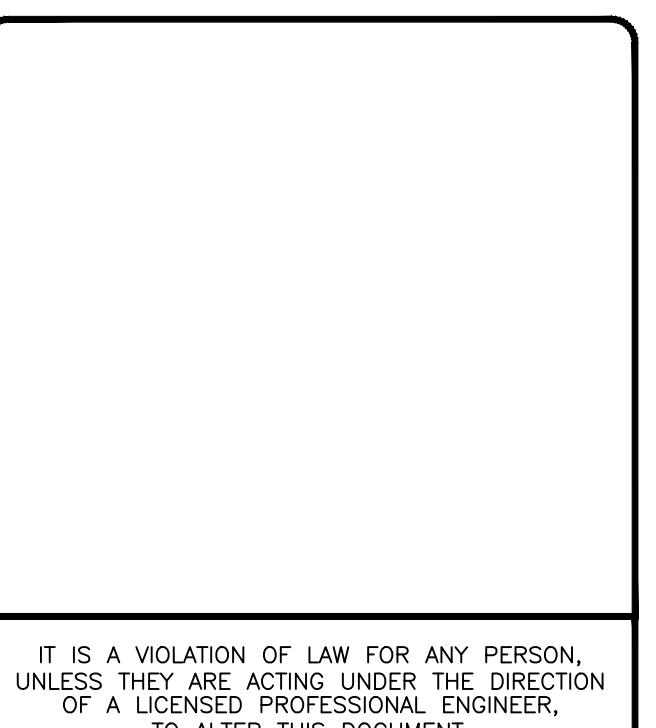
2030 MAIN STREET, SUITE 200  
IRVINE, CA 92614

**SITE NAME:**  
**SUNNYRIDGE MC A2**

**POLE# 4733792E**

**SITE ADDRESS:**  
28880 1/2 PALOS VERDES DR EAST  
PALOS VERDES, CA 90275

A	10/15/2020	90% ZD	JO
REV	DATE	DESCRIPTION	



**SHEET TITLE**  
**GENERAL NOTES & 1A CERTIFICATION**

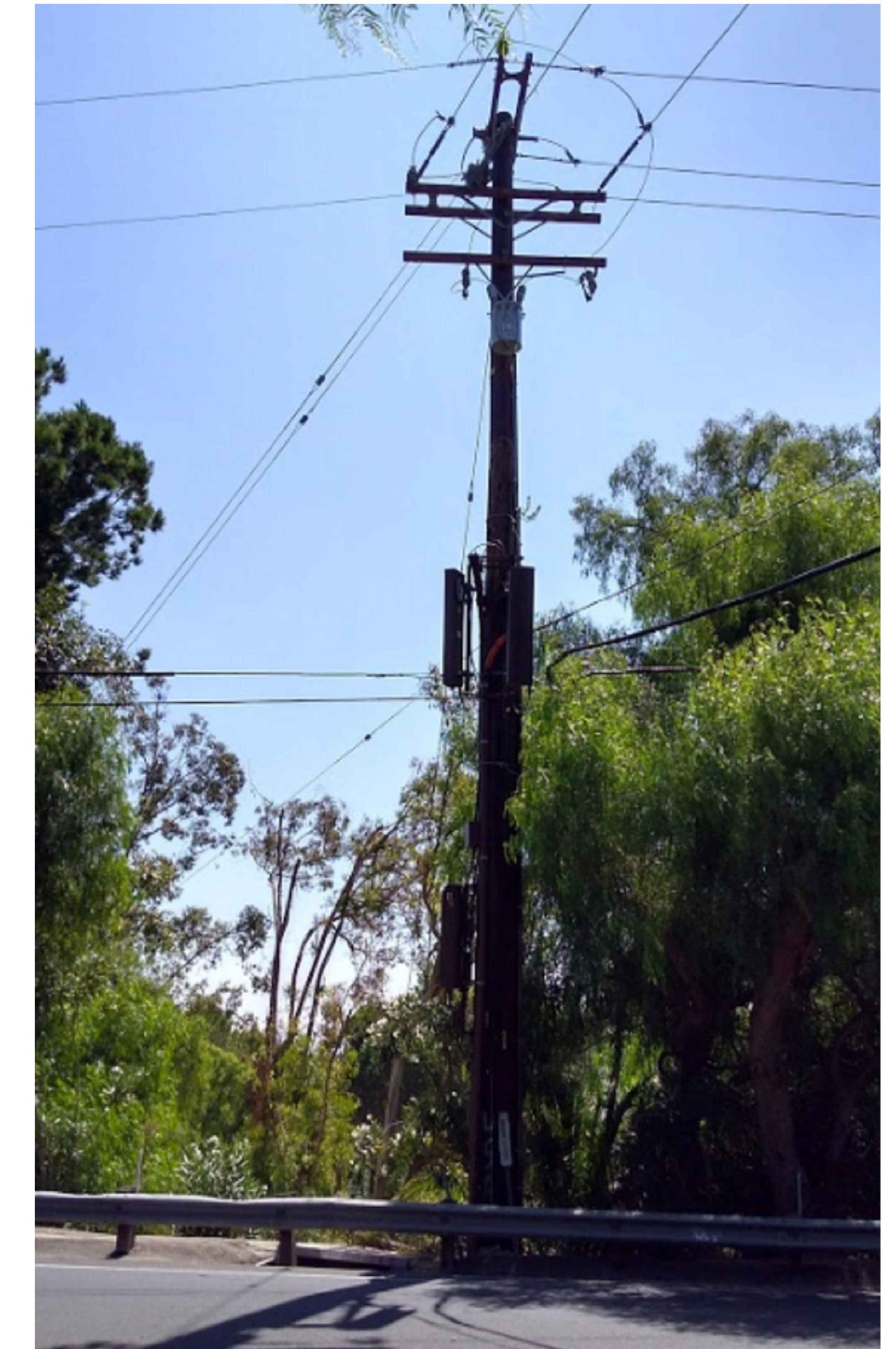
**SHEET NUMBER**  
**T2**



SOUTH VIEW OF POLE



NORTH VIEW OF POLE



WEST VIEW OF POLE

POLE PHOTOS

1

EQUIP	MANUFACTURER	MANUF. SPEC #	NO. NO ATTACHMENTS	SIZE	WEIGHT	WEIGHT ATTACHED ABOVE TOP OF POLE	WEIGHT ATTACHED TO SIDES OF POLE
ANTENNA (2')	AMPHENOL	2C4U3MT360X06Fxy50	1	24.0" H x 14.6" dia.	25 lbs		25 lbs
RRU	ERICSSON	8843	1	18"H x 13.2"W x 11.3"D	75 lbs		75 lbs
RRU	ERICSSON	4449	1	18"H x 13.2"W x 9.4"D	70 lbs		70 lbs
MOUNTING BRACKET	<i>integrated in pole design</i>						
TLU/PMU-4	NOKIA	TLU/PMU-4	1	17.71" L x 6.88" W x 3.85" D	4 lbs		14 lbs
OTHER: PSU	ERICSSON	PSU AC 02	4	7" L x 13" W x 3" D	11.5 lbs		46 lbs
OTHER: AC LOAD CENTER	RAYCAP	RSCAC-1333-P-240-D	1	10.43" H x 9.38" W x 5.06" D	8 lbs		8 lbs

EQUIPMENT VOLUME DIAGRAM

EQUIPMENT	DIMENSIONS	VOLUME (cu.in.)	QUANTITY	
MOUNT ASSEMBLY		4,500	1	4,500
ANTENNA	14.6" dia. x 24.6"	4118.42	1	4118.42
TLU/PMU	17.71" X 6.88" X 3.85"	469.10248	1	469.10248
RADIO SHROUD	28" X 14.6" X 14.6"	5968.48	2	11936.96
PSU	12.99" X 7.04" X 2.68"	245.084928	4	980.339712
AC LOAD CENTER	10.43" X 9.38" X 5.06"	495.04	1	495.04
TOTAL (cu.in.)				22,500
TOTAL (cu.ft.)				13.02

EQUIPMENT SCHEDULE

2

**verizon**  
15505 SAND CANYON AVE.  
BLDG. D 1ST FLOOR  
IRVINE, CA 92618

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**JS INFRASTRUCTURE**  
PARTNERS

2030 MAIN STREET, SUITE 200  
IRVINE, CA 92614

SITE NAME:  
**SUNNYRIDGE MC**  
**A2**

POLE# 4733792E

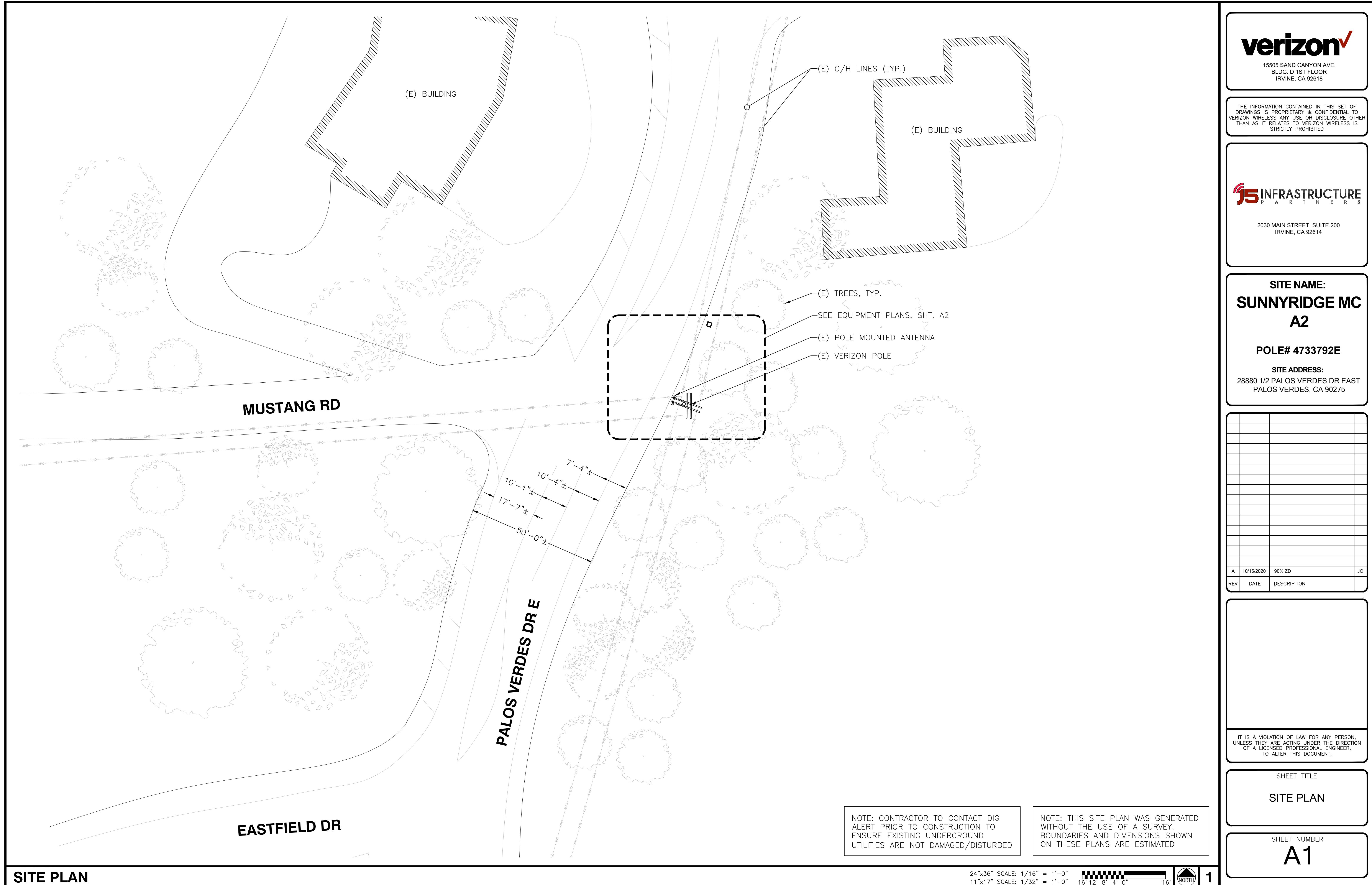
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PALOS VERDES, CA 90275

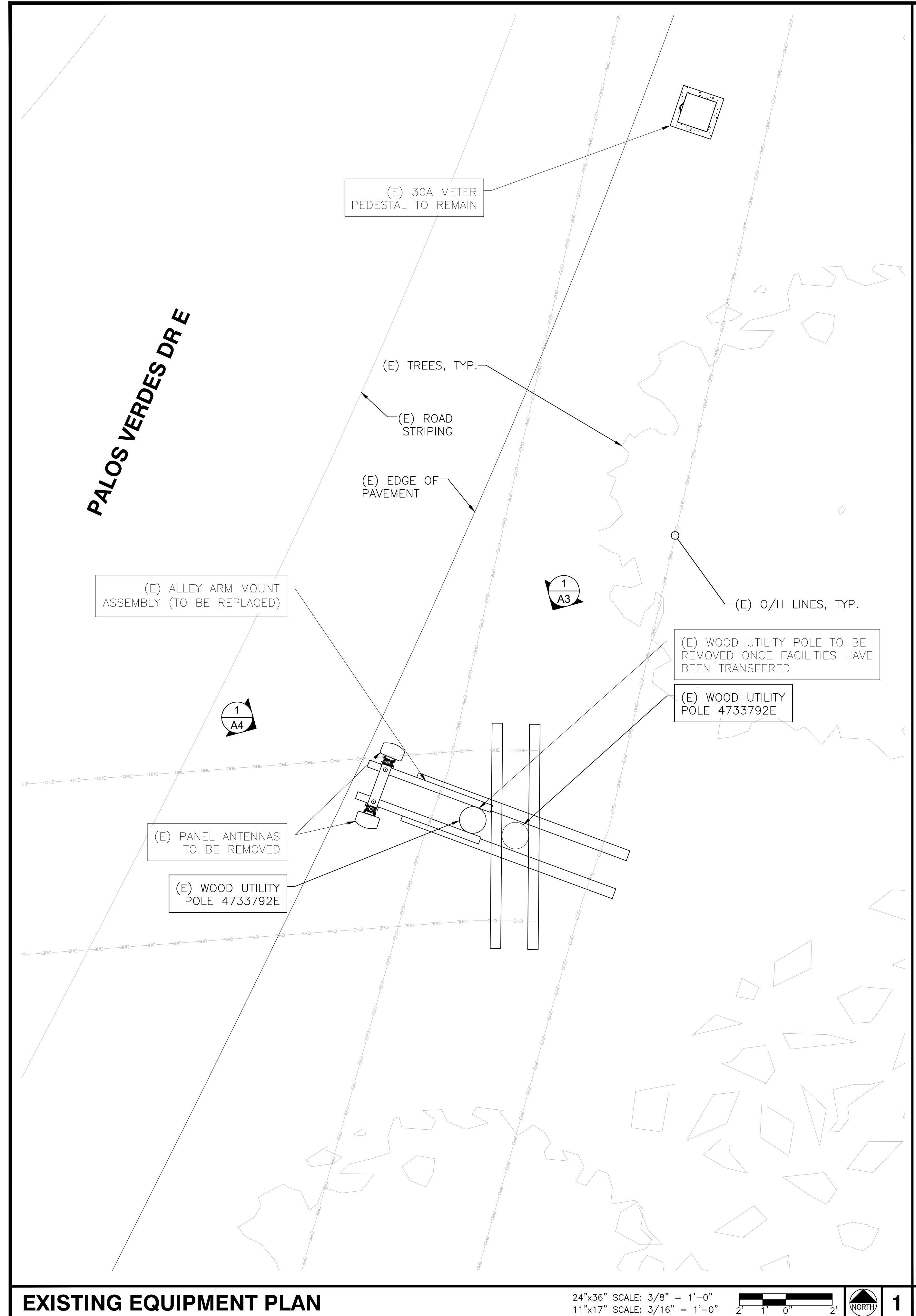
A	10/15/2020	90% ZD	JO
REV	DATE	DESCRIPTION	

IT IS A VIOLATION OF LAW FOR ANY PERSON,  
UNLESS THEY ARE ACTING UNDER THE DIRECTION  
OF A LICENSED PROFESSIONAL ENGINEER,  
TO ALTER THIS DOCUMENT.

SHEET TITLE  
**POLE PHOTOS &  
EQUIPMENT SCHEDULE**

SHEET NUMBER  
**T3**



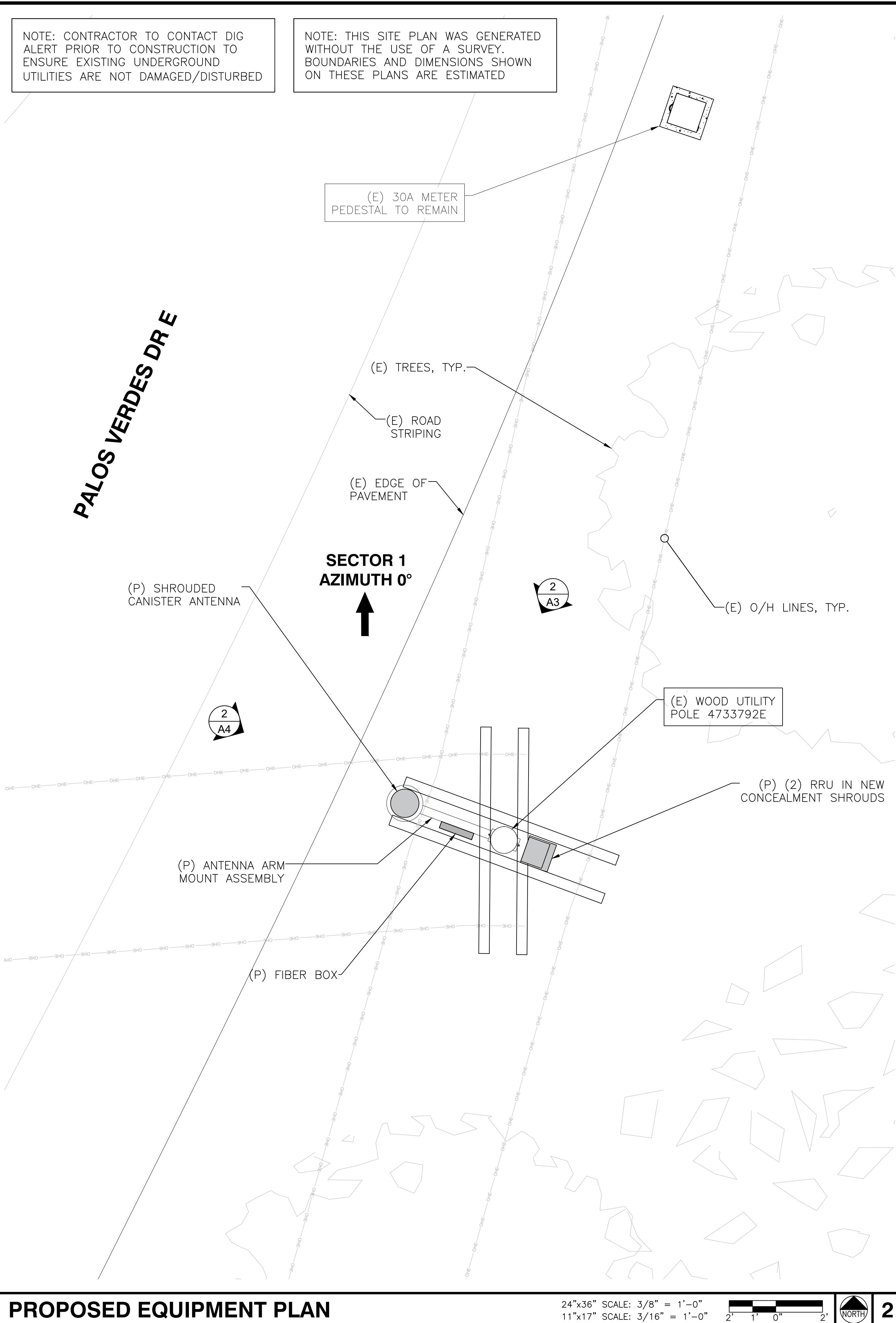


# EXISTING EQUIPMENT PLAN

24" x 36" SCALE: 3/8" = 1'-0"      11" x 17" SCALE: 3/16" = 1'-0"      2'      1'

A black circle containing a white triangle pointing upwards, indicating the direction of North.

# PROPOSED EQUIPMENT PLAN



24" x 36" SCALE: 3/8" = 1'-0"  
11" x 17" SCALE: 3/16" = 1'-0"   2

The image features the Verizon logo in its signature bold, black, sans-serif font. A red checkmark symbol is positioned to the right of the 'o'. Below the logo, the address is printed in a smaller, black, sans-serif font, centered on the page.

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# JS INFRASTRUCTURE PARTNERS

2030 MAIN STREET, SUITE 200  
IRVINE, CA 92614

2030 MAIN STREET, SUITE 200  
IRVINE, CA 92614

**SITE NAME:  
SUNNYRIDGE MC  
A2**

**POLE# 4733792E**

**SITE ADDRESS:**  
28880 1/2 PALOS VERDES DR EAST  
PALOS VERDES, CA 90275

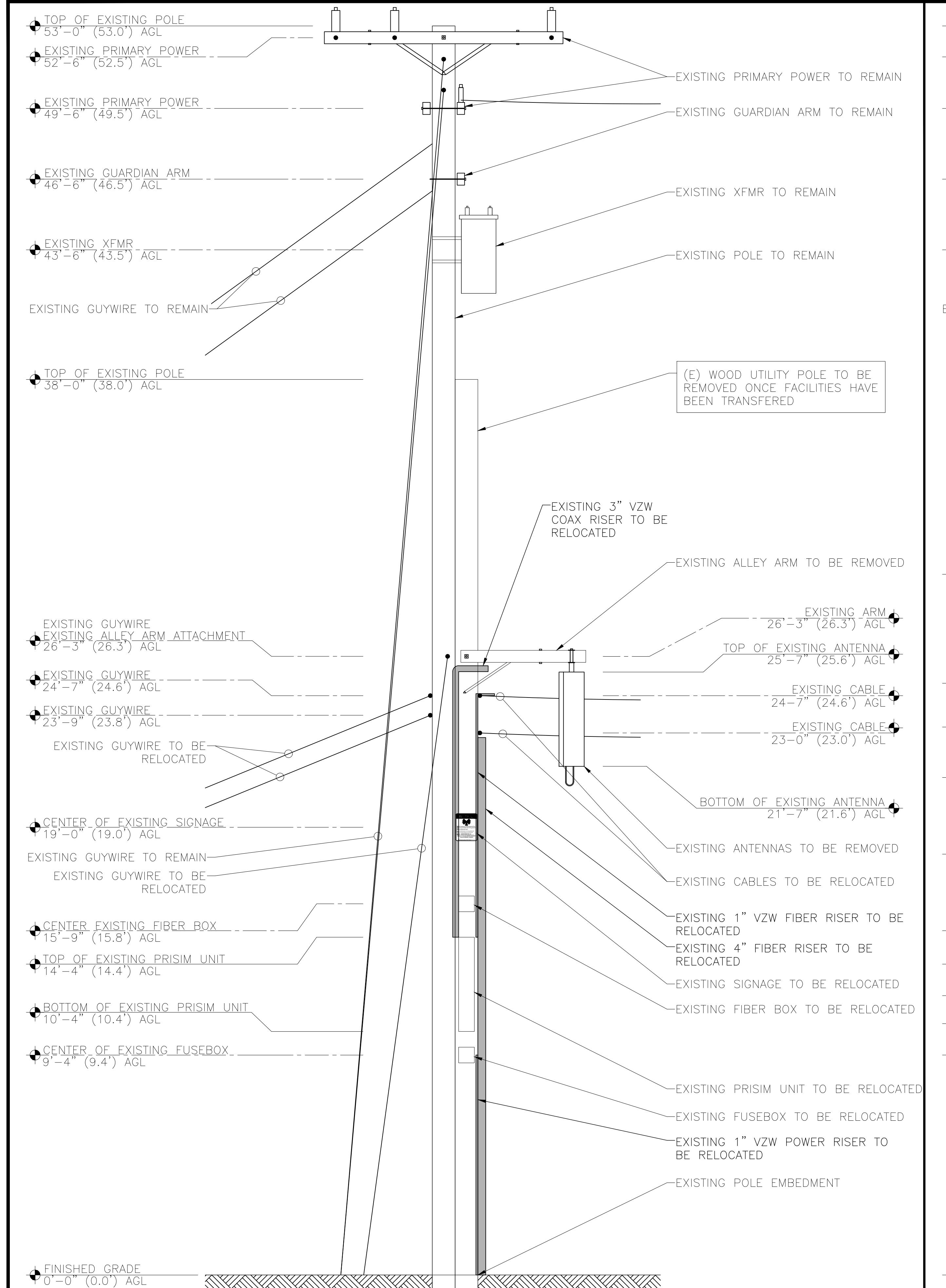
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SHEET TITLE

ENI ARGED PLAN

SHEET NUMBER

A2



EXISTING NORTHEAST ELEVATION

24"x36" SCALE: 1/2" = 1'-0"  
11"x17" SCALE: 1/4" = 1'-0"

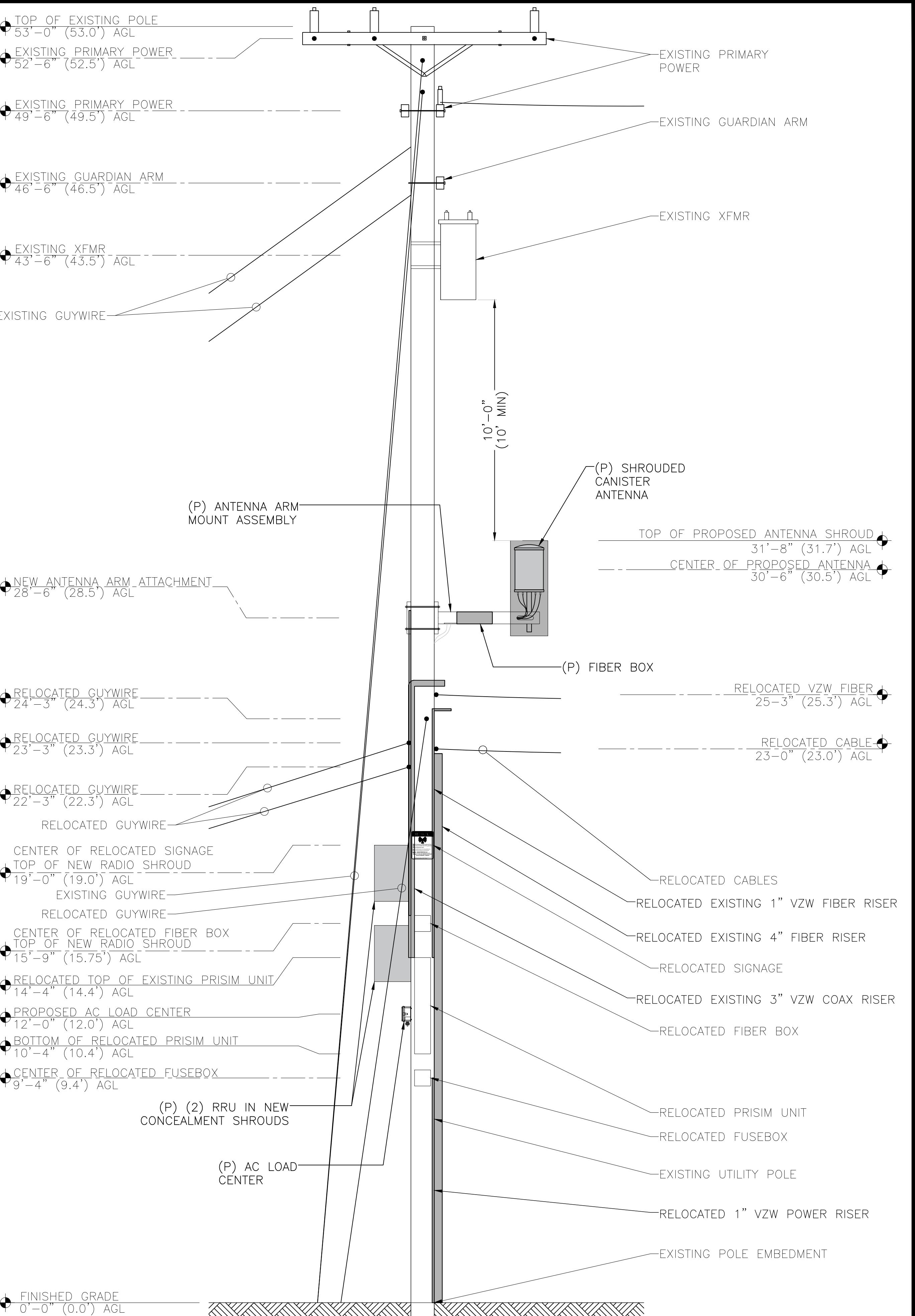
2' 1' 0" 2'

1

PROPOSED NE ELEVATION

24"x36" SCALE: 1/2" = 1'-0"  
11"x17" SCALE: 1/4" = 1'-0"

2' 1' 0" 2'



24"x36" SCALE: 1/2" = 1'-0"  
11"x17" SCALE: 1/4" = 1'-0"

2' 1' 0" 2'

2

**verizon**  
15505 SAND CANYON AVE.  
BLDG. D 1ST FLOOR  
IRVINE, CA 92618

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**JS INFRASTRUCTURE**  
PARTNERS  
2030 MAIN STREET, SUITE 200  
IRVINE, CA 92614

**SITE NAME:**  
**SUNNYRIDGE MC**  
**A2**

**POLE# 4733792E**

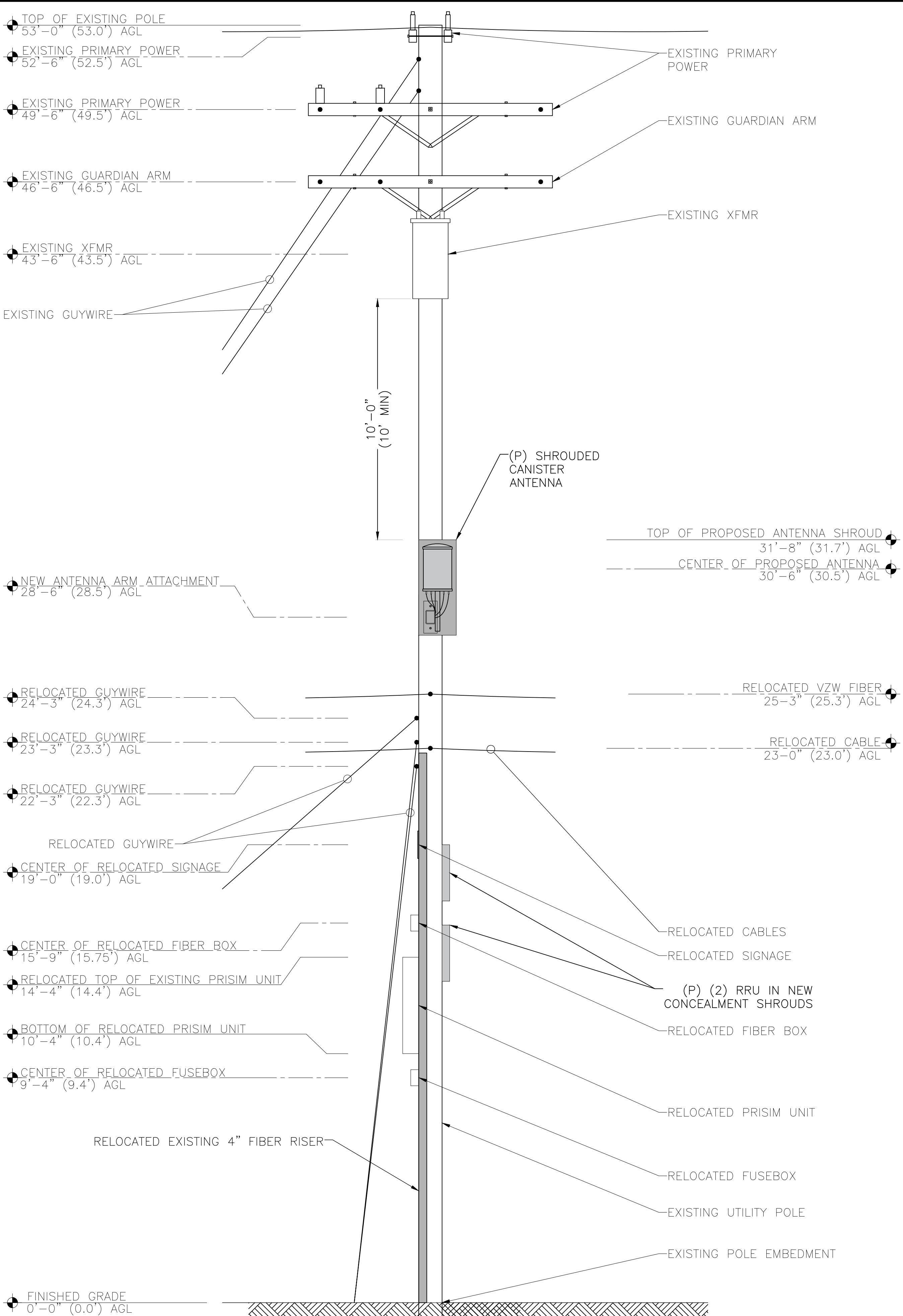
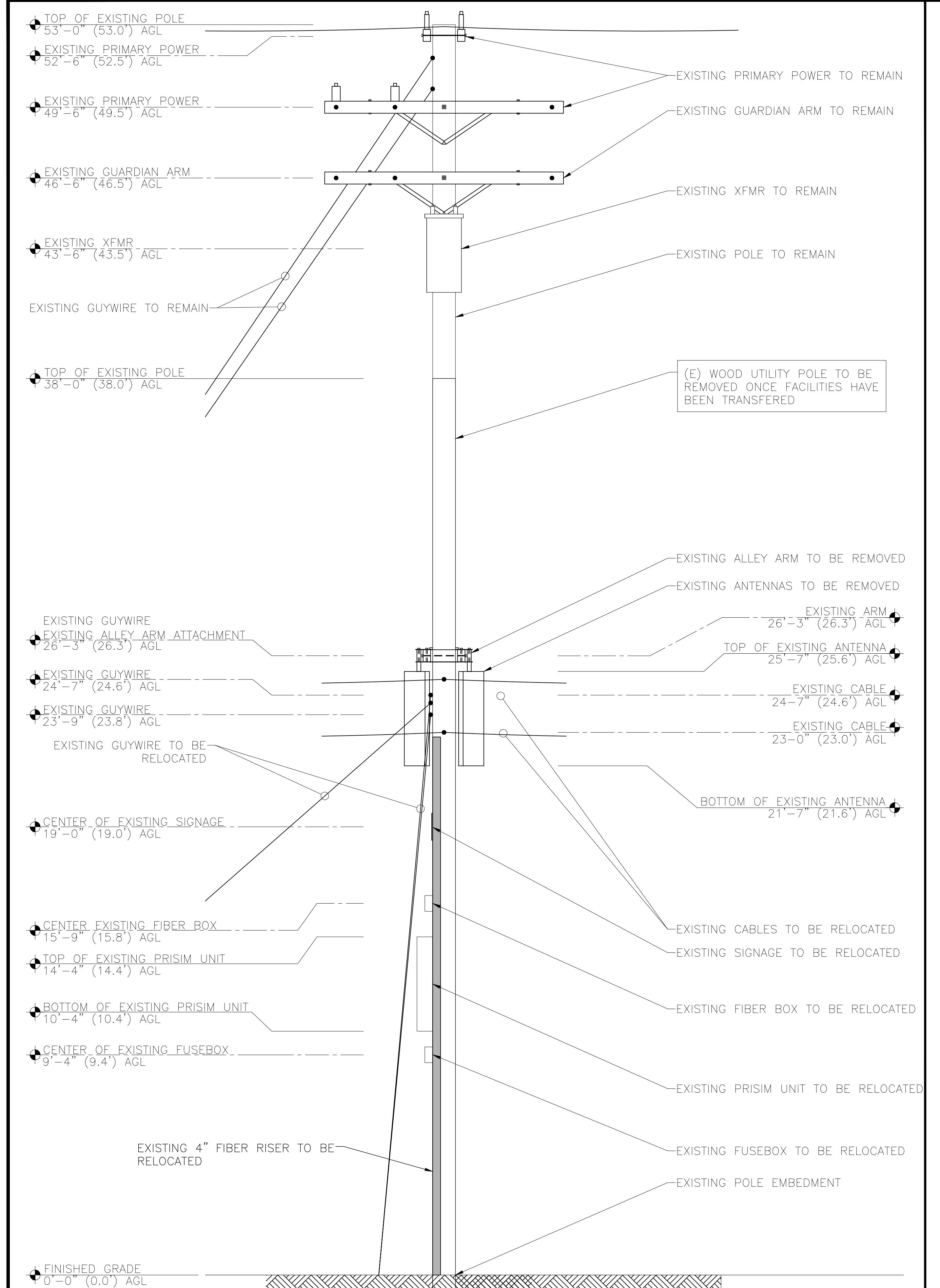
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28880 1/2 PALOS VERDES DR EAST  
PALOS VERDES, CA 90275

A	10/15/2020	90% ZD	JO
REV	DATE	DESCRIPTION	

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**SHEET TITLE**  
**NORTHEAST ELEVATIONS**

**SHEET NUMBER**  
**A3**



The image features the Verizon logo in a bold, black, sans-serif font. The 'o' in 'verizon' is replaced by a red checkmark. Below the logo, the address is printed in a smaller, black, sans-serif font, centered on the page.

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The logo for JS Infrastructure Partner. It features a stylized 'J' and 'S' icon where the 'J' has a red signal-like graphic above it. To the right of the icon, the word 'INFRASTRUCTURE' is written in a large, bold, black, sans-serif font. Below that, the word 'PARTNER' is written in a smaller, black, sans-serif font. The 'P' in 'PARTNER' is positioned directly below the 'J' in 'INFRASTRUCTURE'.

**SITE NAME:  
SUNNYRIDGE MC  
A2**

**POLE# 4733792**

**SITE ADDRESS:**  
28880 1/2 PALOS VERDES DR EAST  
PALOS VERDES, CA 90275

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SHEET TITLE

## NORTHWEST ELEVATIONS

SHEET NUMBER  
**A4**

# EXISTING NORTHWEST ELEVATION

24" x 36" SCALE: 1/2" = 1'-0"      11" x 17" SCALE: 1/4" = 1'-0"      1

# PROPOSED NORTHWEST ELEVATION

24" x 36" SCALE:  $1/2" = 1' - 0"$             2  
11" x 17" SCALE:  $1/4" = 1' - 0"$       2'      1'      0"      2'

11. *What is the primary purpose of the following statement?*