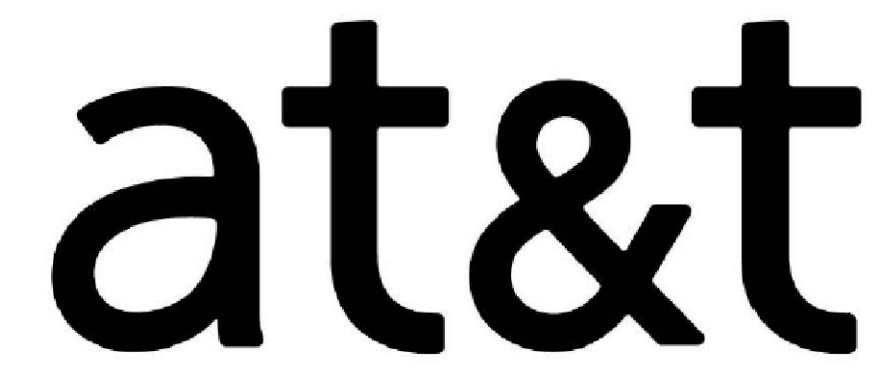




SITE ID:	CRAN_RSFR_PALO4_004
IWM:	WSSFR0066183
FA CODE:	16969274
SITE TYPE:	PALO ALTO UTILITY POLE
POLE #:	5919
COUNTY:	SANTA CLARA



DRAWN BY:	FS
CHECKED BY:	LP
APPROVED BY:	CW

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

(NEAR) 804 BOYCE AVENUE
PALO ALTO, CA 94301

T-1

APPLICANT:
AT&T MOBILITY
5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583
CONTACT: MARC GRABISCH
EMAIL: MG387K@ATT.COM

AT&T MOBILITY PROJECT MANAGER:
AT&T MOBILITY
5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583
CONTACT: SEAN RANDALL
EMAIL: SR9530@ATT.COM

AT&T MOBILITY RF MANAGER:
5005 EXECUTIVE PARKWAY
SAN RAMON, CA 94583
CONTACT: VERNON PONIO
EMAIL: VP6157@ATT.COM

PROJECT MANAGER:
NEXTEDGE NETWORKS
CONTACT: NEIL GEISLER
PHONE: (415) 475-8001
EMAIL: NCA_ATT_CX@NEXTEDGENETWORKS.COM

A&E PROJECT MANAGER:
NEXTEDGE NETWORKS
CONTACT: LINA PATEL
PHONE: (678) 990-2338
EMAIL: AE@NEXTEDGENETWORKS.COM

CONSTRUCTION MANAGER:
NEXTEDGE NETWORKS
CONTACT: HOLLY KIRKPATRICK
PHONE: (415) 475-1102
EMAIL: NCA_ATT_CX@NEXTEDGENETWORKS.COM

AT&T PROPOSES TO INSTALL A NEW WIRELESS COMMUNICATION FACILITY ON A WOODEN PALO ALTO UTILITY POLE IN THE PUBLIC RIGHT-OF-WAY.

- SCOPE:
- INSTALL NEW POLE TOP EXTENSION
 - INSTALL (1) NEW 2' CANISTER ANTENNA ON TOP OF WOODEN PALO ALTO UTILITY POLE
 - INSTALL (1) NEW EQUIPMENT SHROUD ON WOODEN PALO ALTO UTILITY POLE
 - INSTALL (1) NEW RADIO 4461, (1) NEW RADIO 4490 IN EQUIPMENT SHROUD
 - INSTALL (1) NEW PSU 6308 IN EQUIPMENT SHROUD
 - INSTALL (10) NEW COAX FROM EQUIPMENT TO NEW CANISTER ANTENNA
 - INSTALL (1) NEW FIBER CONDUIT FROM P.O.C. TO EQUIPMENT
 - INSTALL (1) NEW EQUIPMENT BRACKET
 - CABLEING TO BE INSTALLED IN A TIGHT NEAT MANNER WITHOUT EXCESS CABLE LOOPS
 - ALL AT&T ADDED APPURTENANCES SHALL BE PAINTED TO MATCH POLE COLOR (NON-GLOSSY "SABLE" BY SHERWIN WILLIAMS, OR EQUIVALENT)

SHEET NO.	SHEET TITLE
T-1	TITLE SHEET
T-1.1	CONDITIONS OF APPROVAL
T-2	GENERAL NOTES
T-3	GENERAL NOTES
T-4	POLLUTION PREVENTION
T-5	PUBLIC WORKS CONDITIONS
T-6	PHOTO SIMULATIONS
T-7	PHOTO SIMULATIONS
C-1	SURVEY
A-1	SITE PLAN
A-2	ENLARGED SITE PLAN & PROPOSED ELEVATION / EQUIPMENT PLAN
A-3	ELEVATIONS
A-4	ELEVATIONS
D-1	DETAILS
D-2	DETAILS
E-1	ELECTRICAL GENERAL NOTES
E-2	ELECTRICAL DIAGRAMS
E-3	ELECTRICAL DETAILS
SA-1	STRUCTURAL ANALYSIS
EME-1	EME REPORT
TP-1	TREE PROTECTION PLAN
TP-2 & TP-3	CITY STANDARDS & ARBORIST REPORT
TP-4	ARBORIST SITE PLAN
TCP-1	TRAFFIC CONTROL PLAN

ALL WORK AND MATERIALS SHALL BE PERFORMED AND 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 CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- 2025 CALIFORNIA BUILDING CODE
- 2025 CALIFORNIA ELECTRICAL CODE
- 2025 CALIFORNIA MECHANICAL CODE
- 2025 CALIFORNIA PLUMBING CODE
- 2025 CALIFORNIA GREEN BUILDINGS STANDARDS CODE
- 2025 CALIFORNIA FIRE CODE WITH ALL LOCAL AMENDMENTS
- 2025 CALIFORNIA EXISTING BUILDING CODE
- ANY LOCAL BUILDING CODE AMENDMENTS TO THE ABOVE
- CALIFORNIA GENERAL ORDER 95 (G.O. 95, 2024)
- NCJPA OPERATIONS/ROUTINE HANDBOOK (2021)
- NATIONAL ELECTRICAL SAFETY CODE IEEE C2 2023 (NESC)
- CITY/COUNTY ORDINANCES

ACCESSIBILITY REQUIREMENTS FOR PERSONS WITH DISABILITIES:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ACCESSIBILITY IS
NOT REQUIRED IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE STATE
CODE PART 2, TITLE 24, CHAPTER 11B, SECTION 1103B.

A photograph of a street intersection. A tall utility pole stands in the foreground, with several power lines extending across the sky. To the left, a large, leafy green tree partially obscures a white house with a prominent window. In the background, a residential street leads to a house with a red staircase. A curved street with a red curb is visible in the foreground. The sky is clear and blue.

SITE ADDRESS:	(NEAR) 804 BOYCE AVENUE PALO ALTO, CA 94301
OWNER:	CITY OF PALO ALTO UTILITIES 250 HAMILTON AVE PALO ALTO, CA 94301
APPLICANT:	AT&T MOBILITY 5005 EXECUTIVE PARKWAY SAN RAMON, CA 94583
LATITUDE:	37.449006° N NAD83
LONGITUDE:	-122.150669° W NAD83
COUNTY:	SANTA CLARA
JURISDICTION:	CITY OF PALO ALTO
ASSESSORS PARCEL NUMBER:	PUBLIC RIGHT OF WAY NEAR 003-25-024
ZONING:	PUBLIC ROW
ELEVATION:	26.00' AMSL
ADJACENT ZONING:	R-1 (10000)
PROPOSED USE:	UNMANNED TELECOM FACILITY
STREET DESIGNATION:	TBD



THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO THE (E) UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

T-1

PENDING



AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA
94583



NextEdge

1355 WINDWARD CONCOURSE,
SUITE 410
ALPHARETTA, GA 30005

DRAWN BY:	FS
CHECKED BY:	LP
APPROVED BY:	CW

[illegible]

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

CRAN_RSFR_PALO4_004

(NEAR) 804 BOYCE AVENUE
PALO ALTO, CA 94301

CONDITIONS OF APPROVAL

T-1.1

GENERAL

- THE FOLLOWING SHALL BE INCORPORATED IN SUBMITTALS FOR ELECTRIC SERVICE

- UTILITIES RULE & REGULATION #20.

- ## DURING CONSTRUCTION

- ### AFTER CONSTRUCTION & PRIOR TO FINALIZATION

1. THE CUSTOMER SHALL PROVIDE AS-BUILT DRAWINGS SHOWING THE LOCATION OF ALL SWITCHBOARDS, CONDUITS (NUMBER AND SIZE), CONDUCTORS (NUMBER AND SIZE), SPLICE BOXES, VAULTS AND SWITCH/TRANSFORMER PADS.

PRIOR TO ISSUANCE OF BUILDING OCCUPANCY PERMIT

- ## PUBLIC WORKS

- UNDER PLANNING & COMMUNITY ENVIRONMENT FOR REVIEW. THESE
NECESSARY PERMIT APPLICATIONS AND REQUIREMENTS ARE AVAILABLE FROM
PUBLIC WORKS ON OUR WEBSITE:

https://www.cityofpaloalto.org/gov/depts/pwd/forms_and_permits/default.asp

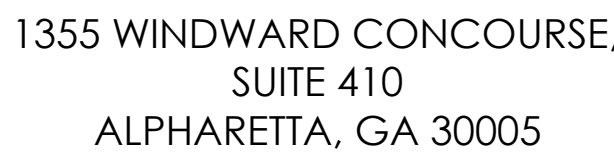
- THE LOCATION OF PROPOSED PUL BOXES WILL BE REVIEWED AND DETERMINED ON A LOCATION BASIS.
9. CURBS & GUTTERS: THE EXISTING EXISTING SIDEWALKS, CURBS, SIDEWALKS, DRIVEWAY APPROACHES, OR STREET AREAS IN THE PUBLIC RIGHT-OF-WAY ARE DISTURBED AS PART OF THIS PROJECT, THE APPLICANT SHALL REPAIR OR REPLACE THOSE SIDEWALKS, CURBS, GUTTERS, DRIVEWAY APPROACHES, OR STREET AREAS AS DIRECTED BY AND TO THE SATISFACTION OF THE CITY ENGINEER. CONTACT PUBLIC WORKS' INSPECTOR AT 405-496-6929 TO REQUEST A SITE VISIT. AT THE SITE VISIT, THE INSPECTOR AND THE APPLICANT OF REPLACEMENT WORK ALONG THE PUBLIC ROAD, THE SITE PLAN SUBMITTED WITH THE BUILDING/STREETWORK/ENCROACHMENT PERMIT PLAN SET MUST SHOW THE EXTENT OF THE REPLACEMENT WORK. THE PLAN MUST NOTE THAT ANY WORK IN THE RIGHT-OF-WAY MUST BE DONE PER PUBLIC WORKS STANDARDS AND NOT THAT THE CONTRACTOR MUST FIRST OBTAIN A STREET WORK PERMIT FROM PUBLIC WORKS AT THE DEVELOPMENT CENTER.
10. LAND TRENC WORK AND PLACEMENT OF FIBER OPTIC CONDUIT SHALL ADDRESS THE CITY OF PALO ALTO PUBLIC WORKS SPECIFICATIONS. REFER TO CITY OF PALO ALTO PUBLIC WORKS SPECIFICATIONS FOR UTILITY AND TELECOMMUNICATIONS DRAWING NO. 404. THIS DETAIL WILL PROVIDE SPECIFICS FOR PLACEMENT OF CONDUIT IN BOTH RESIDENTIAL AND COMMERCIAL AREAS. ANY DEVIATION FROM CITY STANDARDS AND REGULATIONS MUST BE APPROVED BY PUBLIC WORKS AND ALL OTHER APPLICABLE DEPARTMENTS.
11. START DETER POLLUTION PREVENTION: THE CITY'S FULL-SIZED "POLLUTION PREVENTION - ITS PART OF THE PLAN" SHEET MUST BE INCLUDED IN THE PLAN SET. COPIES ARE AVAILABLE FROM PUBLIC WORKS ON OUR WEBSITE <http://www.cityofpaloalto.org/civica/x/filesbank/documents/27322>. PROVIDE THE FOLLOWING AS A NOTE ON THE SITE PLAN: "THE CITY OF PALO ALTO MAY REQUIRE POLLUTION PREVENTION FOR THE PUBLIC WORKS DEPARTMENT PRIOR TO COMMENCING WORK THAT ADDRESSES ALL IMPACTS TO THE CITY'S RIGHT-OF-WAY, INCLUDING, BUT NOT LIMITED TO: PEDESTRIAN CONTROL, TRAFFIC CONTROL, TRUCK ROUTES, MATERIAL DELIVERIES, CONTRACTOR'S PARKING, CONCRETE POURS, CRANE LIFTS, WORK CLOSURES, THESE CONTRACTORS SHALL SCHEDULE THE POLLUTION PREVENTION PREPARATION, CONTRACTOR'S CONTROL, NOTICING OF AFFECTED SURROUNDING PROPERTIES , AND SCHEDULE OF WORK. THE REQUIREMENT TO SUBMIT A LOGISTICS PLAN WILL BE DEPENDENT ON THE NUMBER OF APPLICATIONS PUBLIC WORKS ENGINEERING RECEIVES WITHIN CLOSE PROXIMITY TO HELP MITIGATE AND CONTROL THE IMPACT TO THE PUBLIC RIGHT-OF-WAY. IF THE NUMBER OF APPLICATIONS WORKS MAY REQUIRE A LOGISTICS PLAN DURING CONSTRUCTION."
13. CALTRANS: CALTRANS RIGHT-OF-WAY ACROSS EL CAMINO REAL EXTENDS FROM BACK-OF-WALK TO BACK-OF WALK. THE CITY HAS A MAINTENANCE AGREEMENT WITH CALTRANS THAT REQUIRES THE CITY TO MAINTAIN THE CITY SIDEWALKS AND TO ISSUE A PERMIT TO THE CITY ENGINEER FOR THE SIDEWALKS BY PRIVATE CONTRACTORS. CALTRANS HAS RETAINED THE RIGHT TO REVIEW AND PERMIT NEW INGRESS/EGRESS DRIVEWAYS OFF EL CAMINO REAL AS WELL AS THE INSTALLATION OF TRAFFIC CONTROL DEVICES AS PART OF THIS PROJECT. THE APPLICANT WILL PROVIDE A COPY OF APPROVED CALTRANS PERMIT PRIOR TO ISSUANCE OF ANY STREET-WORK AND ENCROACHMENT PERMIT.
14. CALTRANS: ANY WORK WITHIN CALTRANS ROW SHALL HAVE NECESSARY APPROVAL ALONG WITH ANY SERVICE AND LICENSE AGREEMENTS
15. EXTENT OF ANY EXISTING EXTENDING SUB-SIDEWALK BASEMENTS SHALL BE IDENTIFIED IN FIELD PRIOR TO START OF WORK. IF THE LOCATION OF THE EXISTING SUB-SIDEWALK BASEMENTS IS DIFFERENT FROM THE CITY PLANS AND IN TRENCH/BORE/EXCAVATION AREA, UPDATED PLANS SHALL BE PROVIDED TO PUBLIC WORKS ENGINEERING (TO INDICATE HOW PROPOSED

1. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (800) 227-2600 ONE WEEK IN ADVANCE OF STARTING EXCAVATION TO PROVIDE FOR MARKING OF UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL PROVIDE POTHOLING AND VERIFY THE EXACT LOCATION OF EXISTING AND ABANDONED UTILITIES, INVERTS, DEPTH AND ELEVATIONS TO CONFIRM THE HORIZONTAL AND VERTICAL ALIGNMENT OF THE NEW PAVEMENT CROSSING THE STREETS. THE PROJECT ENGINEER MUST REPORT TO UTILITIES ENGINEERING ANY PROPOSED UNDERGROUND WORK IS CONFLICT WITH EXISTING WGW UTILITY SERVICES/MAINS.

- THE APPLICANT SHALL PROVIDE A CROSS SECTION OR PROFILE SHOWING THE PROPOSED VERTICAL ALIGNMENT FOR THE (N) CONDUITS AND THE CROSSING OF EXISTING UNDERGROUND UTILITIES. THE PROFILE MUST BE DRAWN TO SCALE WITH A MAXIMUM DEPTH OF (8) FEET.
4. THE APPLICANT SHALL PROVIDE PROTECTION FOR UTILITY LINES SUBJECT TO DAMAGE, ALL EXPOSED WATER, GAS, AND SEWER LINES SHALL BE ADEQUATELY SUPPORTED. ALL EXISTING WATER, GAS, AND SEWER LINES SHALL BE INSPECTED BY THE GWG UTILITIES INSPECTOR PRIOR TO BACKFILLING.
5. WHEN TRENCHING; FOR CROSSING UTILITIES THE CONTRACTOR SHALL MAINTAIN 12" CLEAR, ABOVE AND BELOW, FROM THE EXISTING UTILITIES TO NEW UNDERGROUND UTILITIES. FOR PARALLEL UTILITIES MAINTAIN MINIMUM 3' CLEAR HORIZONTAL (NOT DIAGONAL) SEPARATION.
6. WHEN BORING NEW PIPES OR CONDUITS; THE PILOT BORE HOLE SHALL BE 24" CLEAR FROM ANY CROSSING EXISTING GWG UTILITY PIPES AND ALL EXISTING UTILITY CROSSINGS SHALL BE POTHOLED PRIOR TO STARTING WORK. FOR PARALLEL UTILITIES MAINTAIN MINIMUM 5' CLEAR HORIZONTAL (NOT DIAGONAL) SEPARATION.
7. ALL UTILITIES, TRANSFORMERS, VALVES, CABINETS, CONCRETE BASES, OR OTHER STRUCTURES MUST NOT BE PLACED OVER EXISTING WATER, GAS OR WASTEWATER MAINS/ SERVICES. MAINTAIN 1' HORIZONTAL CLEAR SEPARATION FROM THE VAULT/CABINET/CONCRETE BASE TO EXISTING UTILITIES AS FOUND IN THE FIELD. IF THERE IS A CONFLICT WITH EXISTING UTILITIES, CABINETS/VALVES/BASES SHALL BE RELOCATED FROM THE PLANT LOCATION AS NEEDED TO MEET FIELD CONDITIONS.
8. ALL UTILITY WORK/INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CITY OF PALO ALTO UTILITY STANDARDS FOR ALL UTILITY WORK IN THE COUNTY ROAD RIGHT-OF-WAY.
9. FOR ANY UTILITY WORK IN CALTRANS RIGHT-OF-WAY, THE APPLICANT SHALL OBTAIN AN ENCROACHMENT PERMIT FROM CALTRANS FOR ALL UTILITY WORK IN THE EL CAMINO REAL RIGHT-OF-WAY. THE APPLICANT MUST PROVIDE A COPY OF THE PERMIT TO THE GWG ENGINEERING SECTION.
10. FOR ANY UTILITY WORK IN A COUNTY RIGHT-OF-WAY, THE APPLICANT SHALL OBTAIN AN ENCROACHMENT PERMIT FROM SANTA CLARA COUNTY DEPARTMENT OF PUBLIC WORKS FOR ALL UTILITY WORK IN THE COUNTY ROAD RIGHT-OF-WAY. THE APPLICANT MUST PROVIDE A COPY OF THE PERMIT TO THE GWG ENGINEERING SECTION.
11. FOR ANY UTILITY WORK IN OR NEAR SCVWD RIGHT-OF-WAY, THE APPLICANT SHALL OBTAIN A CONSTRUCTION PERMIT FROM SANTA CLARA VALLEY WATER DISTRICT FOR THE UTILITY WORK BY THE CITY OF PALO ALTO UTILITIES.
12. ALL UTILITY WORK SHALL BE INSPECTED AND APPROVED BY THE GWG UTILITIES INSPECTOR. INSPECTION COSTS SHALL BE PAID BY THE APPLICANT'S CONTRACTOR PRIOR TO STARTING WORK. SCHEDULE GWG UTILITIES INSPECTIONS AT (500/566-4504 FIVE WORKING DAYS BEFORE START OF CONSTRUCTIONS.
13. THE APPLICANT'S CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITIES DEPARTMENT AT (650) 496-6982 OR (650/329-2413) IF THE EXISTING WATER, WASTEWATER OR GAS MAINS ARE DISTURBED OR DAMAGED.
14. THE CONTRACTOR SHALL NOT WORK ON ANY OTHER FACILITIES OWNED BY UTILITIES DEPARTMENT SHALL BE OPERATED FOR ANY PURPOSE BY THE APPLICANT'S CONTRACTOR. ALL REQUIRED OPERATION WILL ONLY BE PERFORMED BY AUTHORIZED UTILITIES DEPARTMENT PERSONNEL. THE APPLICANT'S CONTRACTOR SHALL NOTIFY THE UTILITIES DEPARTMENT NOT LESS THAN FORTY-EIGHT (48) HOURS IN ADVANCE OF THE TIME THAT SUCH OPERATION IS REQUIRED.
15. THE CONTRACTOR SHALL NOT DISCONNECT ANY PART OF THE EXISTING WATER, GAS, OR WASTEWATER MAINS EXCEPT BY EXPRESSED PERMISSION OF THE GWG UTILITIES INSPECTOR AND SHALL SUBMIT A SCHEDULE OF THE ESTIMATED SHUTDOWN TIME TO OBTAIN SAIL PERMISSION.
16. ONLY CITY FORCES CAN WORK ON THE CITY GAS DISTRIBUTION SYSTEM.

EMERGENCY SERVICES:

ALL AREA CODES ARE (650) UNLESS OTHERWISE NOTED
CITY COMMUNICATION CENTER (FOR POLICE OR FIRE 24 HOURS) 329-2413
CITY WATER-GAS-WASTEWATER OPERATIONS 496-6982
CITY WATER-GAS-WASTEWATER INSPECTOR 566-4553
UNDERGROUND SERVICE ALERT (USA) (800) 227-2600
CITY ELECTRIC/FIELD OPERATIONS 496-6914
CITY ELECTRIC/TRAFFIC SIGNALS 496-6991
CITY CHIEF ELECTRIC UNDERGROUND INSPECTOR 496-6965

[illegible]

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

(NEAR) 804 BOYCE AVENUE
PALO ALTO, CA 94301

GENERAL NOTES

T-3

Construction projects are required to adhere to the following conditions as part of Building Permit approval and issuance. Following these guidelines will ensure your compliance with Public Works requirements.



Work in the right-of-way: Any work that is proposed in the public right-of-way, such as sidewalk replacement, driveway approach, or utility laterals must be done per City standards and the contractor performing this work must first obtain a Street Work Permit from Public Works at the Development Center. If a new driveway is in a different location than the existing driveway, then the sidewalk associated with the new driveway must be replaced with a thickened (6" thick instead of the standard 4" thick) section. Additionally, curb cuts and driveway approaches for abandoned driveways must be replaced with new curb, gutter and planter strip.

Any construction within the city's public road right-of-way shall have an approved Permit for Construction in the Public Street prior to commencement of this work. The performance of this work is not authorized by the building permit issuance but shown on the building permit for information only

Contractor shall contact Public Works Engineering Inspectors to inspect and approve the storm drain system (pipes, area drains, inlets, bubblers, dry wells, etc.) associated with the project prior to backfill.

Contractor shall schedule an inspection, at a minimum 48-hours in advance by calling (650)496-6929.

Site Inspection Directive Sheet

	SITE INSPECTION DIRECTIVE
	Issue: <u> </u> Engineering Services Division awes@palofire.org
Project Address: _____	Date: _____
Inspector: _____	_____
Type A work (standard) and gutter replacement:	

Type B work (curb) and gutter replacement:	

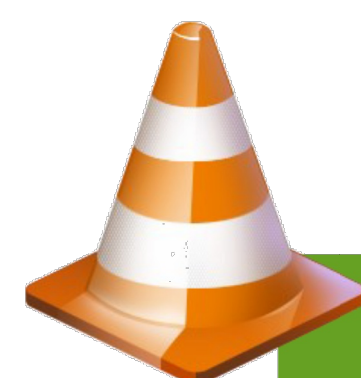
Each sidewalk replacement:	

Each sidewalk replacement:	

Sidewalk approach:	

Other: _____	

Notes:	
- All work to be performed per most current City of Palo Alto standards. - A streetwork permit or encroachment permit from Public Works Department is required prior to starting any work to the public right-of-way. - Site to be re-inspected by Public Works Inspector prior to final inspection.	



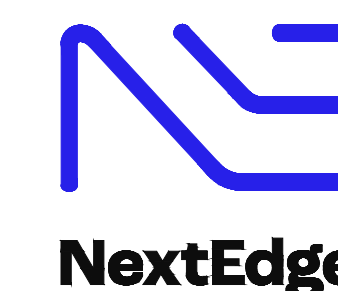
 650.329.2496, Option 8
 pwecips@cityofpaloalto.org



CITY OF
**PALO
ALTO**



AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA
94583



1355 WINDWARD CONCOURSE,
SUITE 410
ALPHARETTA, GA 30005

DRAWN BY:	FS
CHECKED BY:	LP
APPROVED BY:	CW

[illegible]

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

CRAN RSFR PALO4 004

(NEAR) 804 BOYCE AVENUE
PALO ALTO, CA 94301

PUBLIC WORKS
CONDITIONS

T-5

Existing

view from Boyce Avenue looking southeast at site

CRAN_RSFR_PALO4_004
 (Near) 804 Boyce Avenue, Palo Alto, CA
 Photosims Produced on 8-6-2026

 **AT&T Wireless**



(Near) 804 Boyce Avenue, Palo Alto, CA
Photosims Produced on 8-6-2026

Proposed



Proposed AT&I Installation



AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA
94583



NextEdge

1355 WINDWARD CONCOURSE,
SUITE 410
ALPHARETTA, GA 30005

DRAWN BY:	FS
-----------	----

CHECKED BY:	LP
-------------	----

APPROVED BY:	CW
--------------	----

[illegible]

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

CRAN_RSFR_PALO4_004

(NEAR) 804 BOYCE AVENUE
PALO ALTO, CA 94301

PHOTO SIMULATIONS

T-6

AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507

Proposed

Proposed AT&T Installation

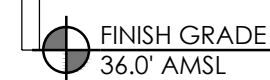
view from Guinda Street looking northwest at site

Proposed AT&T Installation



AdvanceSim
Photo Simulation Solutions
Contact (925) 202-8507



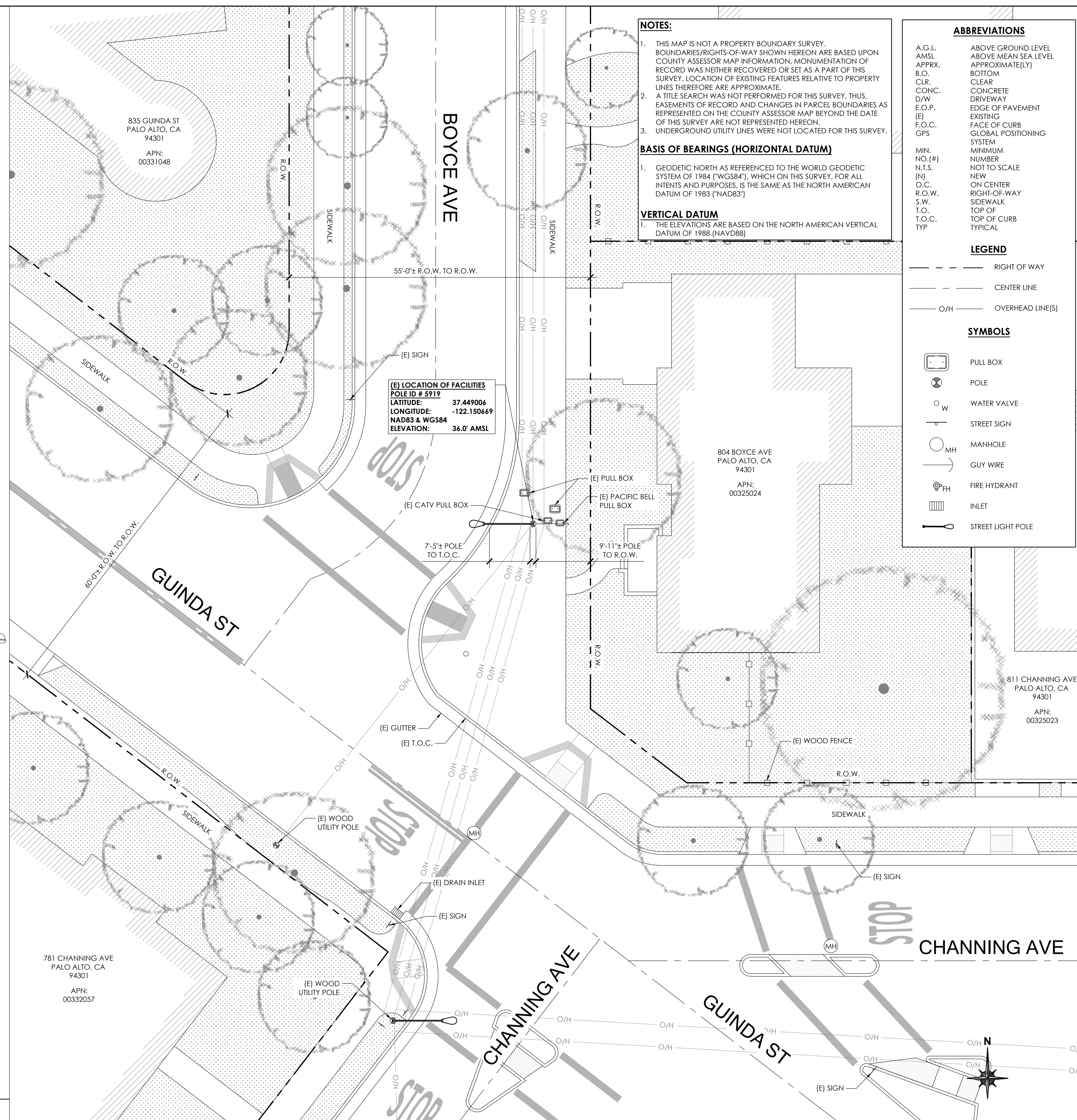


POLE ID # 5919
LATITUDE: 37.449006
LONGITUDE: -122.150669
NAD83 & WGS84

SCALE
3/8"=1'-0"

2

SITE PLAN



1. THE ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

	PULL BOX
	POLE
	WATER VALVE
	STREET SIGN
	MANHOLE
	GUY WIRE
	FIRE HYDRANT
	INLET
	STREET LIGHT POLE



AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA
94583



1355 WINDWARD CONCOURSE,
SUITE 410
ALPHARETTA, GA
30005

DRAWN BY: FZA

CHECKED BY: RM

APPROVED BY: CW

[illegible]

CRAN_RSFR_PALO4_004

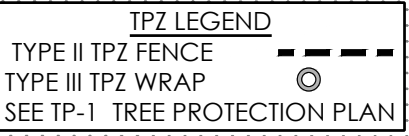
804 BOYCE AVE
PALO ALTO, CA 94301

SURVEY

C-1

24"x36" SCALE: 1" = 10'
11"x17" SCALE: 1" = 20'

SCALE
1"=10'-0"



1355 WINDWARD CONCOURSE,
SUITE 410
ALPHARETTA, GA 30005

DRAWN BY:	FS
CHECKED BY:	LP
APPROVED BY:	CW

[illegible]

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

CRAN_RSFR_PALO4_004

(NEAR) 804 BOYCE AVENUE
PALO ALTO, CA 94301

SITE PLAN

A-1



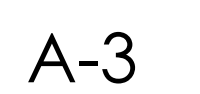
A diagram of a 4-bit shift register. It consists of four rectangular cells arranged horizontally. The top row of cells is shaded black, and the bottom row is white. Below the cells are four input labels: 2', 1', 0'', and 2'. Arrows indicate data flow from the inputs into the cells. The first cell (under 2') has an arrow pointing to its bottom input. The second cell (under 1') has an arrow pointing to its top input. The third cell (under 0'') has an arrow pointing to its top input. The fourth cell (under 2') has an arrow pointing to its bottom input.

2

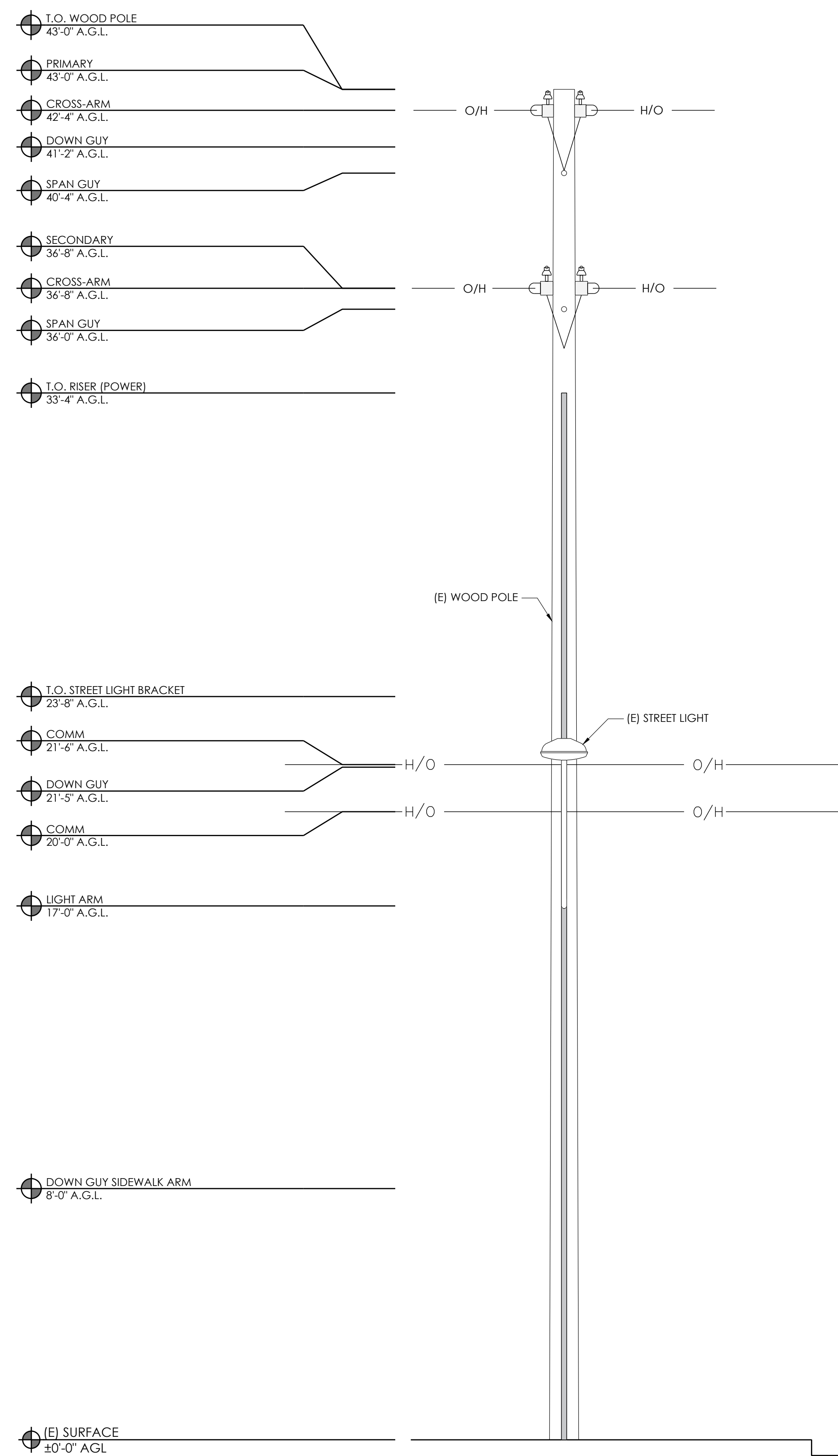


A diagram of a 4-bit shift register. It consists of four rectangular cells arranged horizontally. The inputs are labeled below the cells: 2', 1', 0'', and 2'. The first cell (input 2') is black. The second cell (input 1') is white. The third cell (input 0'') is black. The fourth cell (input 2') is white.

1

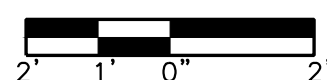


- | |
|---|
| <p>NOTES:</p> <ol style="list-style-type: none"> 1. ALL EQUIPMENT SHALL BE PLACED (VERTICALLY) AS CLOSE AS ALLOWED BY POLE OWNER, WHILE MAINTAINING MINIMUM CLEARANCE REQUIREMENTS. 2. MAINTAIN 12" MIN. CLEARANCE TO GUY WIRE FROM PROPOSED EQUIPMENT. 3. MAINTAIN 4" MIN. OFFSET BETWEEN THE MOUNTING BRACKET FLANGE AND THE POLE 4. ALL ANTENNAS, BRACKETS, CABLEING, CONDUIT, AND OTHER EQUIPMENT WILL BE PAINTED NON-GLOSSY SABLE BY SHERWIN WILLIAMS (OR EQUIVALENT) 5. CABLEING TO BE INSTALLED IN A TIGHT NEAT MANNER WITHOUT EXCESS CABLE LOOPS |
|---|

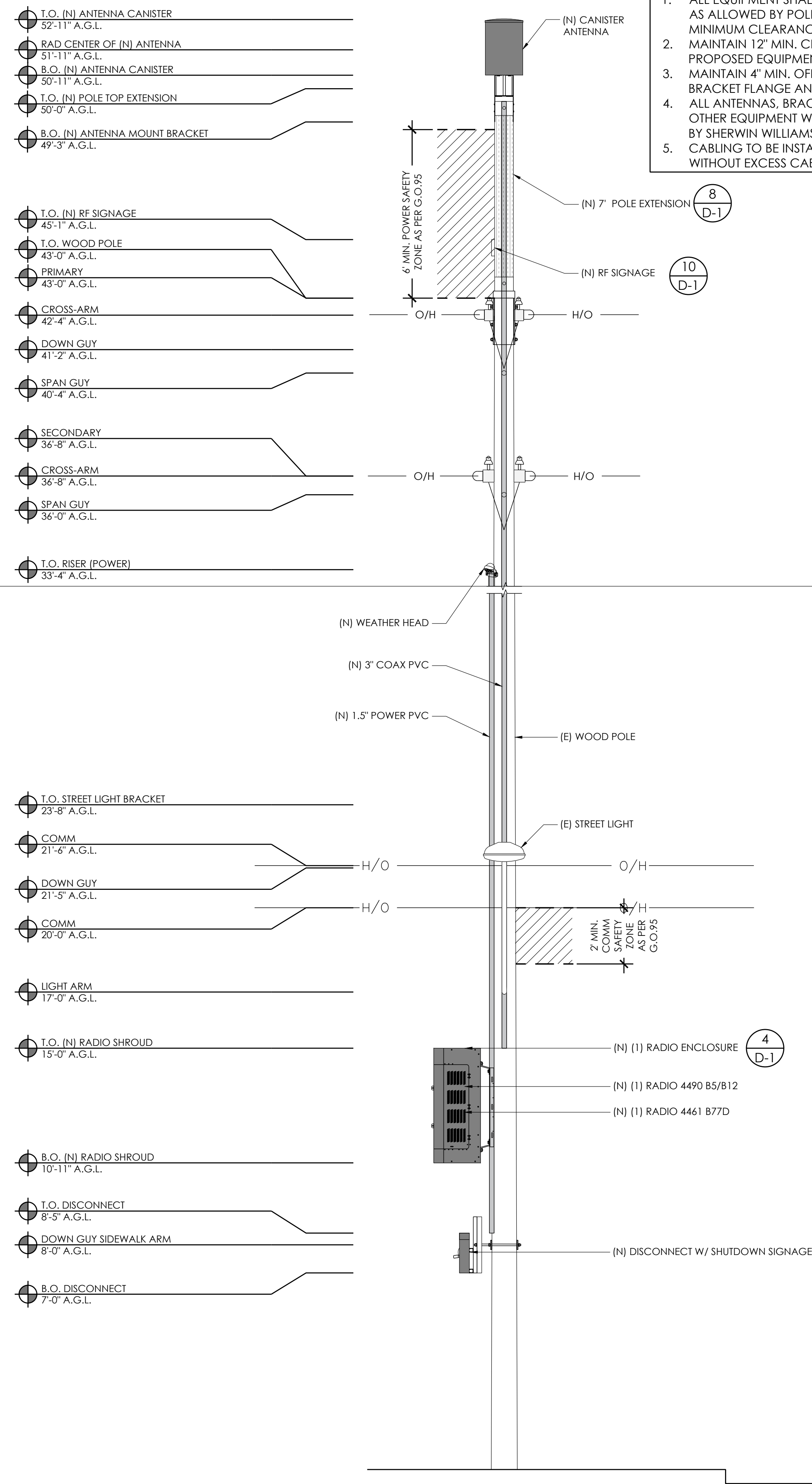


EXISTING FRONT ELEVATION

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

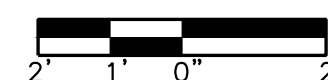


2



PROPOSED FRONT ELEVATION

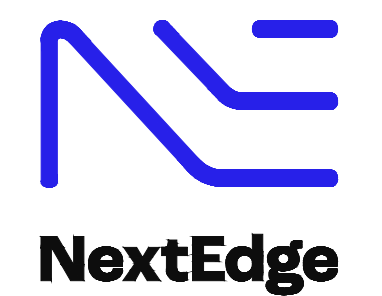
24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"



1



AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA
94583



1355 WINDWARD CONCOURSE,
SUITE 410
ALPHARETTA, GA 30005

DRAWN BY:	FS
CHECKED BY:	LP
APPROVED BY:	CW

[illegible]

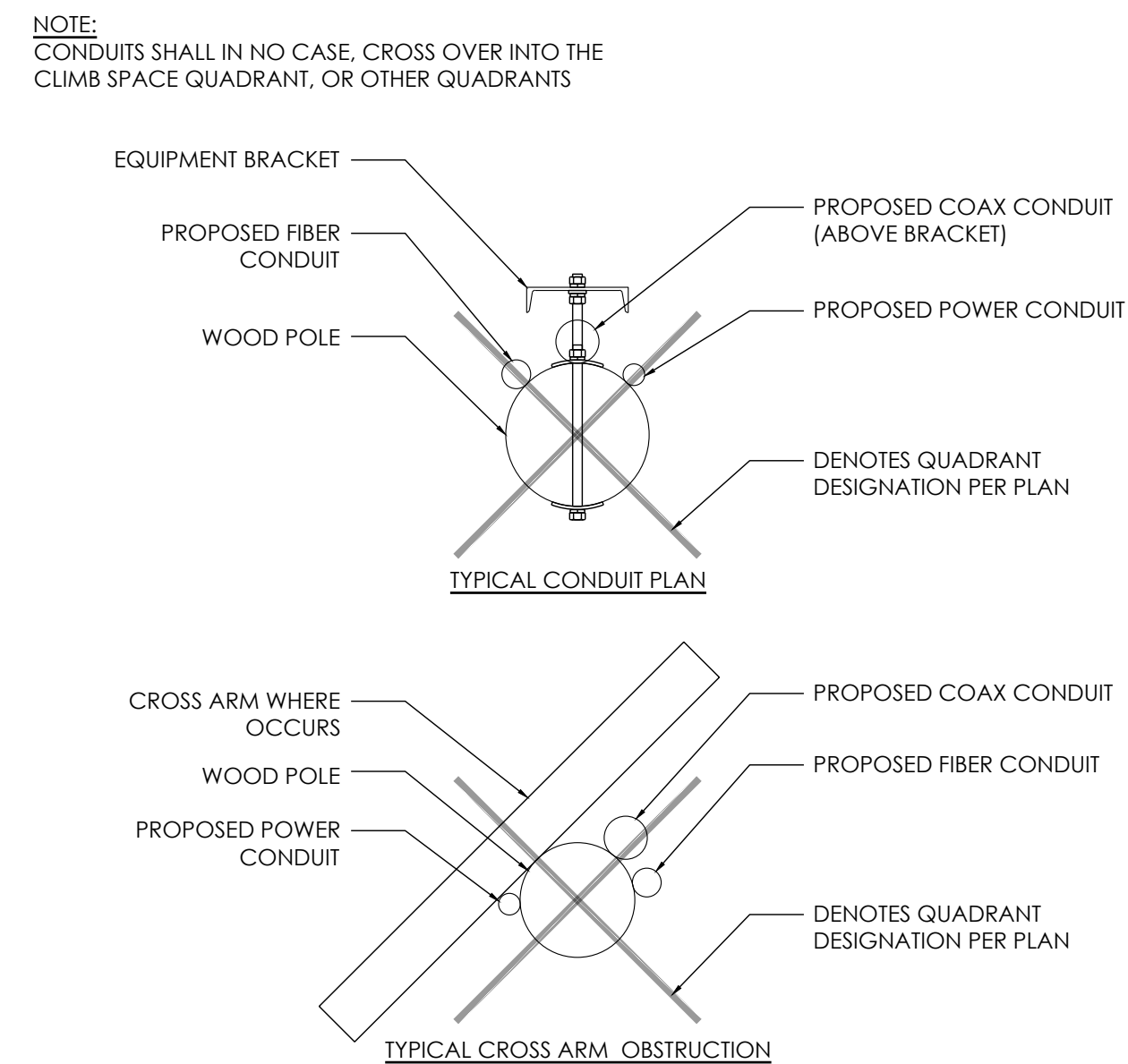
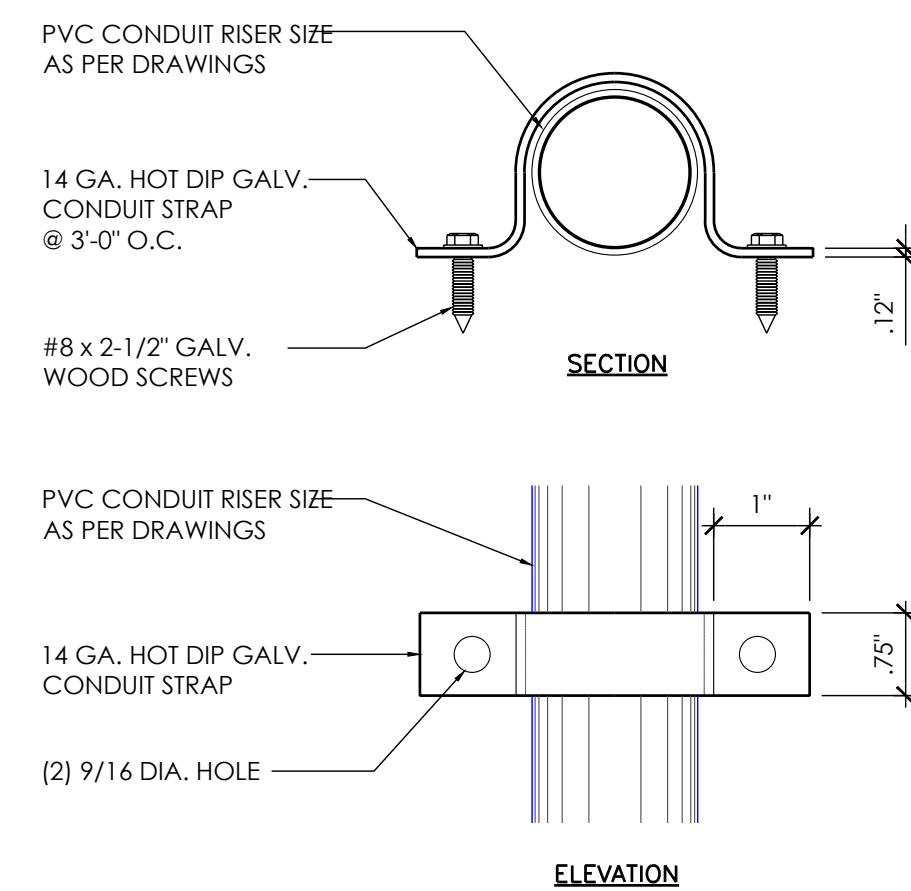
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

CRAN_RSFR_PALO4_004

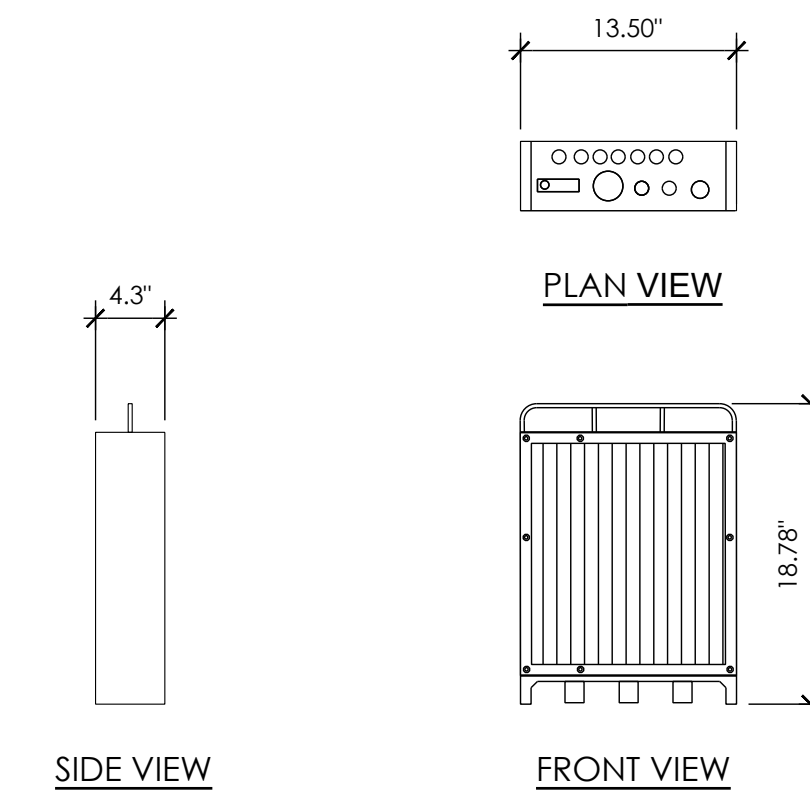
(NEAR) 804 BOYCE AVENUE
PALO ALTO, CA 94301

ELEVATIONS

A-4



MANUFACTURER:	ERICSSON OR EQUAL
MODEL:	POWER 6308
SIZE (H x W x D):	18.78" x 4.33" x 13.50"
WEIGHT:	31.0 LBS



AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA
94583



NextEdge

1355 WINDWARD CONCOURSE,
SUITE 410
ALPHARETTA, GA 30005

DRAWN BY:	FS
CHECKED BY:	LP
APPROVED BY:	CW

[illegible]

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

CRAN_RSFR_PALO4_004

(NEAR) 804 BOYCE AVENUE
PALO ALTO, CA 94301

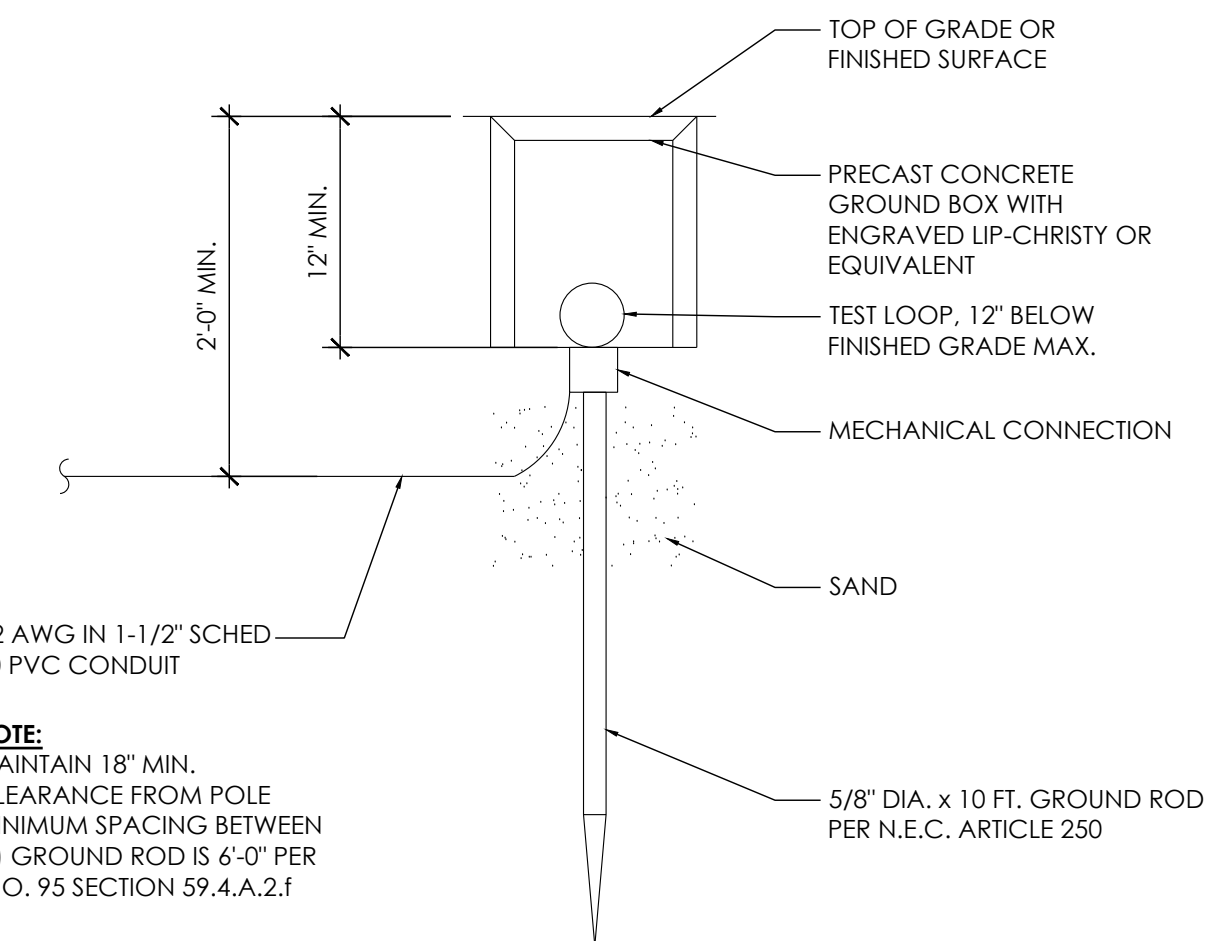
DETAILS

D-2

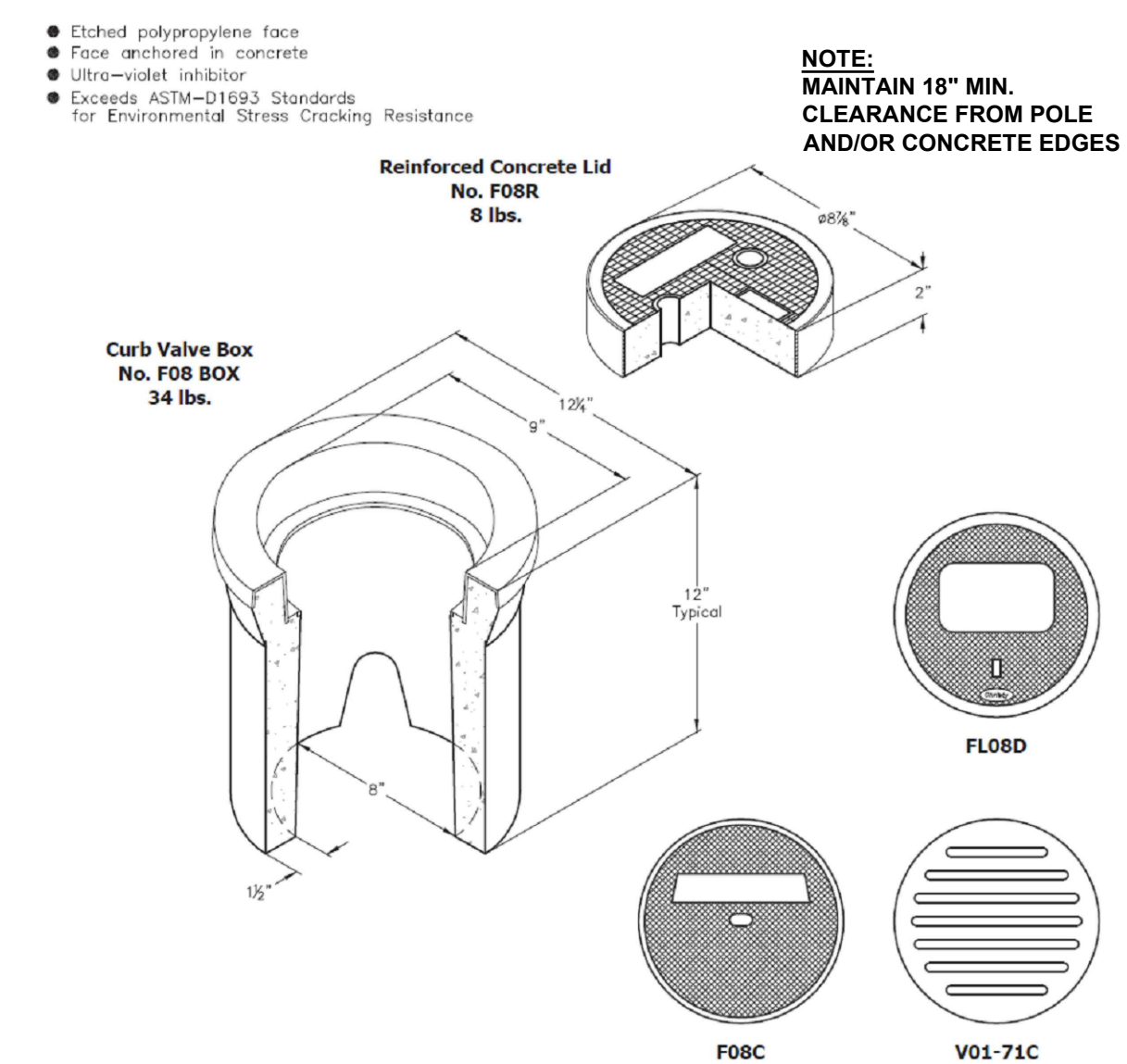
NOT USED	12	CONDUIT BRACKET	9	TYP CROSS ARM OBSTRUCTION	6	PSU 6308	3
----------	----	-----------------	---	---------------------------	---	----------	---

NOT USED	11	NOT USED	8	NOT USED	5
----------	----	----------	---	----------	---

NOT USED	10	NOT USED	7	NOT USED	4	GROUND ROD ENCLOSURE	1
----------	----	----------	---	----------	---	----------------------	---



GROUND ROD	2
------------	---



A high density reinforced concrete box with non-setting shoulders positioned to maintain grade and facilitate back filling. Approximate dimensions and weight shown.

Oldcastle Ordering Code	Item	Approx. Shipping Weight	Description
F08BOX	BOX	34 lbs.	F08 Curb Valve Box (8" I.D. x 12" High) - 45 per pallet
F08R	LID	8 lbs.	Reinforced Concrete Lid with Plastic Ring
F08C	LID	8 lbs.	Cast Iron Lid
F08P	LID	2 lbs.	Fibreglass Lid, Non-Concrete
Y01-71C	LID	12 lbs.	Cast Iron Gate, ADA Compliant

1. GENERAL REQUIREMENTS

- ## 2. EQUIPMENT LOCATION

- ### 3. TESTS

- #### **4. PERMITS**

- ## 5. GROUNDING

- ## 6. UTILITY SERVICE

- ## 7. PRODUCTS

- ## 8. INSTALLATION

- ## 9. PROJECT CLOSEOUT

- E-1



1355 Windward Concourse, Suite 410
Alpharetta, GA 30005
www.nextedenetworks.com

July 27, 2026

Carrier: AT&T Mobility
Client Site Number: CRAN_RSFR_PALO4_004
Site Address: (NEAR) 804 BOYCE AVENUE
PALO ALTO, CA 94301

PROJECT DESCRIPTION:

The carrier proposes the following scope of work:

- Add antenna and bracket to the pole
- Add radios, meter & disconnect and conduits to the pole

ANALYSIS:

The purpose of this analysis is to determine if the wood pole is structurally adequate to support the proposed loading. The pole has been analyzed in accordance with the Public Utilities Commission of the State of California General Order No. 95 (January 2020) and the Northern California Joint Pole Association Operations / Routine Handbook (2025).

RESULTS:

Based on our review of the structure with the proposed loadings, we have determined the following:

Pole

OK *

* See Recommendations Section

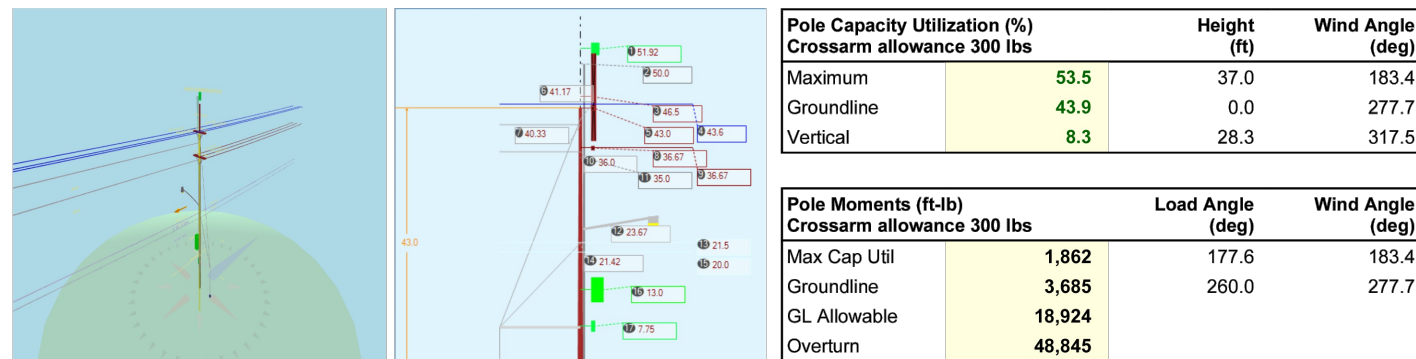


Pole ID: CRAN_RSFR_PALO4_004.pptx

O-Calc® Pro Standard - GO 95

Report Created: 7/28/2026 5:28 PM

Pole Num:	CRAN_RSFR_PALO4_004	Pole Length / Class:	50 / 5	Code:	GO 95	Structure Type:		Angle	
Aux Data 1	Unset	Species:	DOUGLAS FIR	GO 95 Rule:	At Installation (New)	Pole Strength Factor:	0.25		
Aux Data 2	Unset	Setting Depth (ft):	7.0	Construction Grade:	A	Transverse Wind LF:	1.00		
Aux Data 3	Unset	GL Circumference (in):	33.66	Loading District:	Light	Wire Tension LF:	1.00		
Aux Data 4	Unset	GL Fiber Stress (psi):	8,000	Ice Thickness (in):	0.00	Vertical LF:	1.00		
Aux Data 5	Unset	Allowable Stress (psi):	1,881	Wind Speed (mph):	55.90	Pole Factor of Safety:	7.46		
Aux Data 6	Unset	Fiber Stress Ht. Reduc:	No	Wind Pressure (psf):	8.00	Vertical Factor of Safety:	48.19		
Latitude:	37.449006	Longitude:	-122.150669	Elevation:	26'	Bending Factor of Safety:	7.79		



Pole Capacity Utilization (%)	Height (ft)	Wind Angle (deg)
Crossarm allowance 300 lbs		
Maximum	53.5	37.0
Groundline	43.9	0.0
Vertical	8.3	28.3

Pole Moments (ft-lb)	Load Angle (deg)	Wind Angle (deg)
Crossarm allowance 300 lbs		
Max Cap Util	1,862	177.6
Groundline	3,685	260.0
GL Allowable	19,924	277.7
Overtum	48,845	

User: GarrettLawhorne AzuraAD
OCP:8.00

* Includes Load Factor(s)

Page 1 of 5

* Worst Wind Per Guy Wire

* Wind At 183.4"

Pole ID: CRAN_RSFR_PALO4_004.pptx

O-Calc® Pro Standard - GO 95

Report Created: 7/28/2026 5:28 PM

Streetsight	Height (ft)	Horiz. Offset (ft)	Rotate Angle (deg)	Unit Weight (lb/ft)	Unit Height (ft)	Unit Depth (in)	Unit Diameter (in)	Unit Length (ft)	Offset Moment (ft-lb)	Wind Moment (ft-lb)	Moment at GL* (ft-lb)
General	Streetsight - 12 ft. Arm	23.67	4.07	270.0	95.00	24.00	20.00	3.00	144.00	222	1,044
Totals:											1,044

Riser	Height (ft)	Horiz. Offset (ft)	Rotate Angle (deg)	Unit Weight (lb/ft)	Unit Height (ft)	Unit Depth (in)	Unit Diameter (in)	Unit Length (ft)	Offset Moment (ft-lb)	Wind Moment (ft-lb)	Moment at GL* (ft-lb)
3" POWER RISER 30.0"	30.00	5.52	30.0	130.00	600.00	3.00	3.00	600.00	-37	0	-37
1.5" POWER RISER	35.00	5.52	75.0	91.00	420.00	1.50	1.50	420.00	-40	0	-40
75.0" H38.0	35.00	5.52	120.0	120.0	91.00	420.00	2.00	2.00	420.00	-31	-31
2" POWER RISER	35.00	5.52	120.0	120.0	91.00	420.00	2.00	2.00	420.00	-31	-31
120.0" H38.0											
Totals:											-109

Insulator	Height (ft)	Horiz. Offset (ft)	Rotate Angle (deg)	Unit Weight (lb/ft)	Unit Height (ft)	Unit Depth (in)	Unit Diameter (in)	Unit Length (ft)	Offset Moment (ft-lb)	Wind Moment (ft-lb)	Moment at GL* (ft-lb)
P/n	15W Pin Insulator	43.19	44.00	63.8	0.0	8.99	6.00	5.00	0	17	17
P/n	15W Pin Insulator	43.19	44.00	278.2	0.0	8.99	6.00	5.00	0	17	17
P/n	15W Pin Insulator	43.19	18.00	75.1	0.0	8.99	6.00	5.00	0	17	17
Spool	Spool 2.5"	36.67	0.00	0.0	0.0	1.00	2.50	2.12	0	2	2
Spool	Spool 2.5"	36.67	44.00	83.4	0.0	1.00	2.50	2.12	0	2	2
Spool	Spool 2.5"	36.67	-44.00	276.6	0.0	1.00	2.50	2.12	0	2	2
Bot	1" CATV on 10M strand	21.50	0.00	270.0	180.0	5.00	3.00	0.10	0	0	0
Bot	1" Telco on 5/16" strand	20.00	0.00	270.0	180.0	5.00	3.00	0.10	0	0	0
Totals:											58

Guy Wire and Brace	Attach Height (ft)	End Height (ft)	Lead/Span Length (ft)	Wire Diameter (in)	Percent (%)	Lead Angle (deg)	Incline Angle (deg)	Wire Weight (lb/ft)	Rast Length (ft)	Stretch (in)
EHS 3/8	Sidewalk	41.17	0.00	7.50	0.375	75.00	90.0	77.0	0.273	47.45
EHS 3/8	Sidewalk	21.42	0.00	7.50	0.375	75.00	90.0	60.5	0.273	28.71
EHS 3/8	Span/Head	40.33	40.33	90.00	0.375	75.00	185.0	0.0	0.273	87.51
EHS 3/8	Span/Head	36.00	36.00	90.00	0.375	75.00	185.0	0.0	0.273	87.49

Guy Wire and Brace (Loads and Reactions)	Elastic Modulus (ksi)	Rated Tensile Strength (lb)	Guy Strength Factor	Allowable Tension (lb)	Initial Tension (lb)	Loaded Tension* (lb)	Maximum Tension* (lb)	Applied Tension* (lb)	Vertical Load (lb)	Shear Load In Guy Dir (lb)	Shear Load At Report Angle (lb)	Proportional Moment at GL* (ft-lb)
EHS 3/8	Sidewalk	2.35e+7	15,400	0.50	7,700	700	1,721	985	570	132	130	-3,172
EHS 3/8	Sidewalk	2.35e+7	15,400	0.50	7,700	700	1,682	836	728	412	-406	-4,067
EHS 3/8	Span/Head	2.35e+7	15,400	0.50	7,700	700	624	62	0	62	16	468
EHS 3/8	Span/Head	2.35e+7	15,400	0.50	7,700	700	663	693	396	0	396	102
Totals:												-3,973

User: GarrettLawhorne AzuraAD
OCP:8.00

* Includes Load Factor(s)

Page 4 of 5

* Worst Wind Per Guy Wire

* Wind At 183.4"

Pole ID: CRAN_RSFR_PALO4_004.pptx

O-Calc® Pro Standard - GO 95

Report Created: 7/28/2026 5:28 PM

Guy System Component Summary				Load From Worst Wind Angle on Pole	
Description	Lead Length (ft)	Lead Angle (deg)	Height (ft)	Nominal Capacity (%)	Wind Angle (deg)
Single Helix Anchor	7.5	90.0		14.1	183.4
EHS 3/8 (Sidewalk)			41.2	7.6	183.4
Sidewalk Strut	7.5	90.0	8.0	21.5	183.4
EHS 3/8 (Sidewalk)			21.4	10.9	183.4
Anchor	90.0	185.0		4.6	183.4
EHS 3/8 (Span/Head)			40.3	0.8	183.4
EHS 3/8 (Span/Head)			36.0	5.1	183.4
System Capacity Summary:				Adequate	

Groundline Load Summary - Reporting Angle Mode: Load - Reporting Angle: 260.0°

	Shear Load* (lbs)	Applied Load (%)	Bending Moment (ft-lb)	Applied Moment (%)	Pole Capacity (%)	Bending Stress (ksi-psf)	Vertical Load (lbs)	Vertical Stress (psi)	Total Stress (psi)	Pole Capacity (%)
Powers	-77	14.1	-1,726	-46.8	9.1	-228	23	0	-227	-12.1
Comms	376	68.5	5,895	160.0	31.2	778	69	1	778	41.4
Guy/Braces	120	21.9	-3,973	-107.8	-21.0	-734	1,373	15	-719	-38.2
Generic/Equipments	28	5.1	749	20.3	4.0	99	348	4	103	5.5
Pole	56	10.1	880	23.9	4.7	116	1,014	11	127	6.8
Crossarms	36	6.5	1,112	30.2	5.9	147	312	3	150	8.0
Streetlights	9	1.7	787	21.4	4.2	104	95	1	105	5.6
Risers	0	0.0	-82	-2.2	-0.4	-11	312	3	-7	-0.4
Insulators	1	0.2	43	1.2	0.2	6	40	0	6	0.3
Pole Load	550	100.0	3,685	100.0	19.5	276	3,586	40	316	16.8
Pole Reserve Capacity			15,239		1,605				1,565	83.2

Detailed Load Components:

Power	Height (ft)	Horiz. Offset (ft)	Cable Diameter (in)	Sag at Max Temp (ft)	Cable Weight (lb/ft)	Lead/Span Length (ft)	Span Angle (deg)	Wire Length (ft)	Tension (lb)	Tension Moment (ft-lb)	Offset Moment (ft-lb)	Wind Moment (ft-lb)	Moment at GL* (ft-lb)
Primary	ACSR 6 AWG 6/1	43.60	44.26	0.1880	0.56	0.036	110.0	0.0	110.0	307	-2,324	-7	-2,331
Primary	TURKEY	43.60	44.26	0.1880	0.40	0.036	90.0	185.0	90.0	307	3,465	-8	-7
Primary	ACSR 6 AWG 6/1	43.60	44.26	0.1880	0.56	0.036	110.0	0.0	110.0	307	-2,324	-7	-2,331

User: GarrettLawhorne AzuraAD
OCP:8.00

* Includes Load Factor(s)

Page 2 of 5

* Worst Wind Per Guy Wire

* Wind At 183.4"

Pole ID: CRAN_RSFR_PALO4_004.pptx

O-Calc® Pro Standard - GO 95

Report Created: 7/28/2026 5:28 PM

Anchor/Rod Load Summary	Rod Length (ft)	Lead Length (ft)	Lead Angle (deg)	Strength of Assembly (lb)	Anchor/Rod Strength Factor	Allowable Load (lb)	Max Load* (lb)	Load at Pole MCP* (lb)	Max Required Capacity* (%)
Single Helix Anchor	16.00	7.50	90.0	20,000	0.50	10,000	3,367	1,468	28.7
Anchor	30.00	90.00	185.0	20,000	0.50	10,000	1,307	468	13.1

Pole Buckling	Buckling Constant	Buckling Column Height (ft)	Buckling Section Diameter (in)	Minimum Buckling Diameter at GL (in)	Diameter at Tip (in)	Diameter at GL (in)	Modulus of Elasticity (psi)	Pole Density (pcf)	Pole Tip Height (ft)	Buckling Load Capacity at Height (lb)	Buckling Load Factor of Safety
0.71	28.32	34.30	9.66	5.76	6.05	10.72	2.38e+6	60.00	57.00	43,072	432.05

Notes	Date	Author	Description
5/10/2023	O-Calc		Sidewalk Strut Capacity

Strut Diameter (in)	Strut Length (ft)	Allowable Strut Load (lb)
2.0	4	60000
2.0	6	42000
2.0	8	20650
2.0	10	13200
2.5	4	130000
2.5	6	95000
2.5	8	50000
2.5	10	30300

User: GarrettLawhorne AzuraAD
OCP:8.00

* Includes Load Factor(s)

Page 5 of 5

* Worst Wind Per Guy Wire

* Wind At 183.4"



AT&T
5005 EXECUTIVE PARKWAY
SAN RAMON, CA
94583



1355 WINDWARD CONCOURSE,
SUITE 410
ALPHARETTA, GA 30005

DRAWN BY: FS

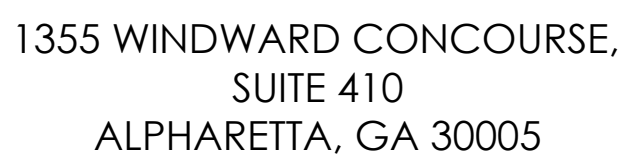
CHECKED BY: LP

APPROVED BY: CW

REV DATE DESCRIPTION

06/16/26 90% CD

Project Data



APPROVED BY: CW

[illegible]

(NEAR) 804 BOYCE AVENUE
PALO ALTO, CA 94301

TP-2

NOTE: Refer to Tree & Landscape Technical Manual, Section 3.03.6-B5,6 for additional information.

Tree trunk diameter	Distance of bore from each side of treetrunk "A"	Distance of open trench from tree-trunk "B"	Depth of bore or trench "C"
in	in	ft	ft
2	2	3	3.00
3	3	6	3.25
6	5	10	3.33
12	6	12	3.67
18	7	14	4.00
24	8	16	4.33
30	9	18	4.67
36	10	20	4.83
42	12	22	5.00

Rev	By	Date
1	MMN	3/15/05
2	JT	08/14/06
3	RTN	06/11/17
4	PGG	11/23/22

Utility Trenching
Near Trees

City of Palo Alto Standard

Approved by:

PE No. 72158
Date 01/10/18

Dwg No. 504

Scale: NTS

SAMPLE WARNING SIGN FOR TREE PROTECTION FENCING

Each fenced tree enclosure should have a minimum of two warning signs containing the same information as the sample sign on right. Signs should be laminated, printed on waterproof material or be otherwise protected from the elements.

---WARNING---
Tree Protection Zone

**This fencing shall not be removed
without City Arborist approval (650-496-5953)**

**Removal without permission is
subject to a \$500 fine per day***

**Palo Alto Municipal Code Section 8.10.110*

All other tree-related reports shall be added to the space provided starting on sheet T3, adding sheets as needed. Include this sheet(s) on Project Sheet Index or Legend Page.

A copy of the T-1 Sheet Set can be downloaded at
<http://www.cityofpaloalto.org/trees>

T-2

