



HILLTOP BAPTIST CHURCH

USID: 165636 FA# 15876782

SITE ID: CAL02888

740 HILLTOP DRIVE
CHULA VISTA, CA 91910
5G NR 1SR CBAND

MRSDL042530 / MRSDL043704 / MRSDL043732
MRSDL043774 / MRSDL043760

ENGINEERING

THE FOLLOWING CODES W/ CALIFORNIA STATE AMENDMENTS

- 2019 INTERNATIONAL BUILDING CODE
- 2019 NATIONAL ELECTRICAL CODE
- TIA-222-H OR LATEST EDITION
- 2019 INTERNATIONAL MECHANICAL CODE
- 2019 INTERNATIONAL FIRE CODE

GENERAL NOTES

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

APPROVALS

AT&T RF ENGINEER:	_____	DATE:	_____
AT&T OPERATIONS:	_____	DATE:	_____
SITE ACQUISITION:	_____	DATE:	_____
CONSTRUCTION MANAGER:	_____	DATE:	_____
PROPERTY OWNER:	_____	DATE:	_____
ZONING:	_____	DATE:	_____
PROJECT MANAGER:	_____	DATE:	_____

DRAWING INDEX

SHT NO.	DESCRIPTION
ATS01	AT&T TITLE SHEET
AGN01	GENERAL NOTES
LS-1	TOPOGRAPHIC SURVEY
LS-2	TOPOGRAPHIC SURVEY
A01.0	SITE PLAN
A01.1	ENLARGED SITE PLAN
A02.0	EQUIPMENT PLAN
A03.0	ELEVATIONS
A03.1	ELEVATIONS
A04.0	ANTENNA PLAN & SCHEDULE

11"X17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED.

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



Know what's below. Call before you dig.

NOTE:
48 HOURS PRIOR TO DIGGING, CONTRACTOR TO NOTIFY ALL UTILITY COMPANIES TO LOCATE ALL UNDERGROUND UTILITIES

DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.

No.	Date	Action
2	05/02/23	JDX COMMENTS
1	03/08/23	JDX COMMENTS
0	10/25/23	FINAL ZONING DRAWINGS
C	10/18/22	UPDATE RAD CENTER PER RAN
B	10/11/22	CLIENT COMMENTS

Plans Prepared For:

MD7

10590 WEST OCEAN AIR DRIVE
SUITE 250
SAN DIEGO, CA 92130

Applicant:

Your world. Delivered.

Plans Prepared By:

MORRISON HERSHFIELD
5100 S MACADAM AVE., UNIT 500
PORTLAND, OR 97239
Tel: 503-595-9128 Fax: 503-595-9136
www.morrisonhershfield.com

Project:

HILLTOP BAPTIST CHURCH
SITE ID: CAL02888
740 HILLTOP DRIVE
CHULA VISTA, CA 91910
FA: 15876782

Drawing Title:

AT&T TITLE SHEET

Project No.: 220348700	
Designer: RB	Date: 08/26/22
Drawn By: GD	Checked By: -
PM Review: JR	Client Approval
Issue No.: 1	Drawing No.: ATS01

PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES NEW WIRELESS FACILITY. THE SCOPE WILL CONSIST OF THE FOLLOWING:

AT ANTENNA LEVEL:

- INSTALL (1) 55'-0" HIGH MONO EUCALYPTUS TOWER
- INSTALL (1) SITE PRO VFA-10HD MOUNT
- INSTALL (1) SITE PRO MSFAA SECTOR FRAME MOUNT
- INSTALL (12) 2SCH40, 8'-0" LONG PIPE MOUNTS
- INSTALL (6) 2SCH40, 4'-0" LONG PIPE MOUNTS
- INSTALL (6) PANEL ANTENNAS
- INSTALL (3) AIR6419 B77D ANTENNAS
- INSTALL (3) AIR6449 B77G ANTENNAS
- INSTALL (3) DC9 SURGE SUPPRESSORS
- INSTALL (9) RRUS
- INSTALL (3) FIBER CABLE TRUNKS
- INSTALL (9) DC CABLES

AT EQUIPMENT LEVEL:

- INSTALL (1) 8'-4" X 14'-5" CONCRETE PAD
- INSTALL (1) WUC #MODEL ESOF030-HCU01
- INSTALL (1) NEW GENERAC SDC020 2.2L 20KW GENERATOR DIESEL GENERATOR
- INSTALL (1) H-FRAME
- INSTALL (6) CONDUITS
- INSTALL (1) CHAIN LINK FENCE W/ PRIVACY SLATS AND ACCESS GATE
- INSTALL (1) STEP UP TRANSFORMER
- INSTALL (1) STEP DOWN TRANSFORMER
- INSTALL (1) CIENA BOX
- INSTALL (2) DC12 SURGE SUPPRESSORS
- INSTALL (1) TELCO BOX
- INSTALL (1) PTLC W/ CAM LOK

SITE INFORMATION

PROPERTY OWNER: HILLTOP BAPTIST CHURCH OF CHULA VISTA CALIFORNIA INC.

LATITUDE: 32° 37' 45.00"

LONGITUDE: -117° 03' 43.99"

GROUND ELEVATION: 152.88± AMSL

JURISDICTION: CITY OF CHULA VISTA

GENERAL PLAN: RLM

ZONING: R1

PARCEL #: 57428141

COUNTY: SAN DIEGO COUNTY

OCCUPANCY GROUP: A-3

CONSTRUCTION TYPE: -

POWER COMPANY: SDGE

TELEPHONE COMPANY: AT&T

PROJECT TEAM

APPLICANT: AT&T WIRELESS
7337 TRADE STREET
SAN DIEGO, CA 92121

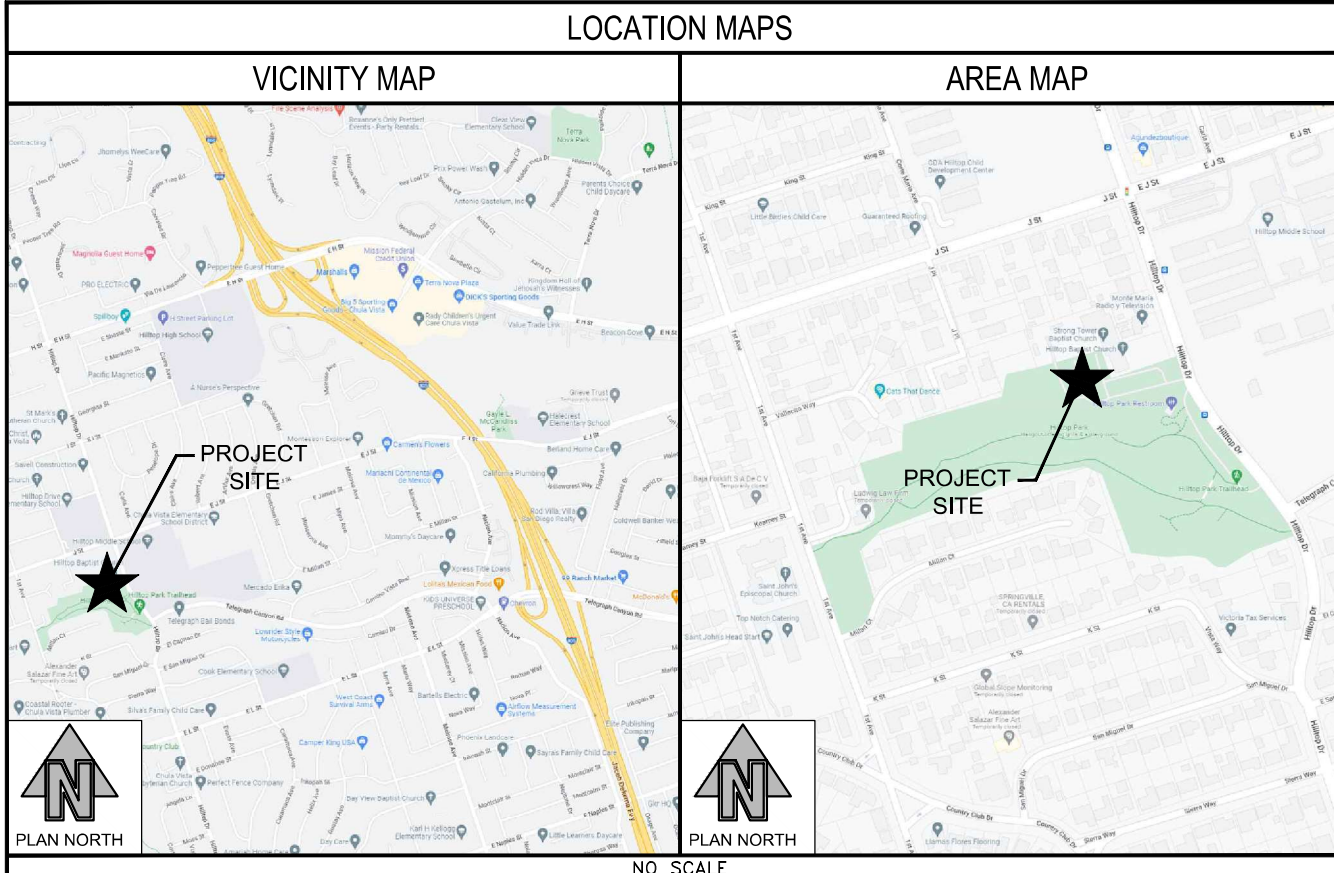
PROJECT MANAGER: MD7, LLC
TARA CARMICHAEL
10590 WEST OCEAN AIR DRIVE
SUITE 250
SAN DIEGO, CA 92130
858-952-1936
tcarmichael@md7.com

A&E CONTACT: MORRISON HERSHFIELD CORP
JOSH REYNOLDS
1455 LINCOLN PKWY, SUITE 500
ATLANTA, GA 30346
770-379-8500
JReynolds@morrisonhershfield.com

ZONING / SITE ACQUISITION: MD7, LLC
TARA CARMICHAEL
10590 WEST OCEAN AIR DRIVE
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tcarmichael@md7.com

CONSTRUCTION: AT&T WIRELESS
CRISTIAN SOTO
7337 TRADE STREET
SAN DIEGO, CA 92121

RF ENGINEER: AT&T WIRELESS
CRISTIAN SOTO
CS450G@EXO.ATT.COM

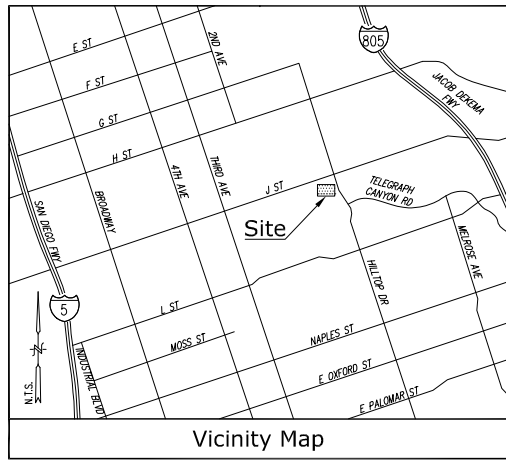


DRIVING DIRECTIONS

FROM SAN DIEGO INTERNATIONAL AIRPORT:

HEAD EAST ON N HARBOR DR TOWARD MCCAIN RD. USE THE LEFT 3 LANES TO TURN LEFT ONTO W GRAPE ST. USE THE RIGHT 2 LANES TO TAKE THE RAMP ONTO I-5 S. MERGE WITH I-5 S. USE THE RIGHT 2 LANES TO TAKE EXIT 15B FOR CA-94 E/M L KING JR FWY. CONTINUE ONTO CA-94 E. TAKE EXIT 3 TO MERGE WITH I-805 S. TAKE EXIT 7B FOR H ST W. MERGE WITH E H ST. USE THE LEFT 2 LANES TO TURN LEFT ONTO HILLTOP DR. TURN RIGHT. DESTINATION WILL BE ON THE RIGHT.

x:\Proj\2022\220348700-MD7_SoCal_ATT_New_Site_Build\11_Sites\CAL02888 - 15876782-09_CAD\MID7-690 - 15876782-CAL02888_NSB_FZD_Rev_2_06.01.23.dwg 05/02/2023 12:35pm RReforming



Title Report

PREPARED BY: FIDELITY NATIONAL TITLE INSURANCE CO.
 ORDER NO.: 37674574
 DATED: AUGUST 16, 2022

Legal Description

PROPERTY LOCATED IN SAN DIEGO, CALIFORNIA
 THE EASTERLY 414.03 FEET OF LOT 21 OF QUARTER SECTION 122, CHULA VISTA, ACCORDING TO THE MAP THEREOF NO. 505, FILED IN THE OFFICE OF THE COUNTY RECORDER, MARCH 13, 1888.
 EXCEPTING THEREFROM THE NORTH 135 FEET OF THE EAST 125 FEET THEREOF.
 AND BEING THE SAME PROPERTY CONVEYED TO HILLTOP BAPTIST CHURCH OF CHULA VISTA, CALIFORNIA, INC. FROM HILLTOP BAPTIST CHURCH OF CHULA VISTA, CALIFORNIA; WHO TOOK TITLE AS CENTRAL SOUTHERN BAPTIST CHURCH OF CHULA VISTA, ALSO KNOWN AS HILLTOP BAPTIST CHURCH BY CORPORATION GRANT DEED DATED JULY 14, 1980 AND RECORDED AUGUST 7, 1980 IN INSTRUMENT NO. 80-250251.

Assessor's Parcel No.
 574-281-41

Easements

- 3. AN EASEMENT FOR UTILITY AND INGRESS-EGRESS PURPOSES, RECORDED IN INSTRUMENT NO. 2000-0495644, ON SEPTEMBER 15, 2000 O.R. (PLOTTED HEREON)
- 4. AN EASEMENT FOR UTILITY AND INGRESS-EGRESS PURPOSES, RECORDED IN INSTRUMENT NO. 2001-0437033 ON JUNE 27, 2001 AND RECORDED IN INSTRUMENT NO. 2018-0296268 ON JULY 20, 2018 O.R. (NOT PLOTTED, BLANKET IN NATURE)
- 9. EASEMENT AND RIGHT OF WAY PURPOSES, RECORDED IN INSTRUMENT NO. 2009-0083876 ON FEBRUARY 20, 2019 O.R. (NOT PLOTTED, EXACT LOCATION NOT DISCLOSED PER RECORD)
- 12. AN EASEMENT FOR UTILITY AND INGRESS-EGRESS PURPOSES, RECORDED IN INSTRUMENT NO. 2014-0579988 ON DECEMBER 31, 2014 O.R. (NOT PLOTTED, EXACT LOCATION NOT DISCLOSED PER RECORD)
- 13. AN EASEMENT FOR UTILITY AND INGRESS-EGRESS PURPOSES, RECORDED IN INSTRUMENT NO. 2017-0208275 ON MAY 9, 2017 AND INSTRUMENT NO. 2017-0312073 ON JUNE 8, 2017 O.R. (PLOTTED HEREON)

Access Route/Utility Routes/Equipment Area
 AS SHOWN

Geographic Coordinates at Proposed Mono-Eucalyptus

1983 DATUM: LATITUDE 32° 37' 44.44"N LONGITUDE 117° 03' 45.95"W
 ELEVATION = 154.2 FEET ABOVE MEAN SEA LEVEL

CERTIFICATION:
 THE LATITUDE AND LONGITUDE SHOWN ABOVE ARE ACCURATE TO WITHIN +/- 15 FEET HORIZONTALLY AND THAT THE ELEVATIONS 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 ("). 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.

Basis of Bearings

THE BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 6, (2022.23) IN ACCORDANCE TO THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID BEARINGS ARE DETERMINED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING LEICA SMARTNET NORTH AMERICA (S.N.A.), CONTINUOUSLY OPERATING REFERENCE STATIONS (C.O.R.S.):

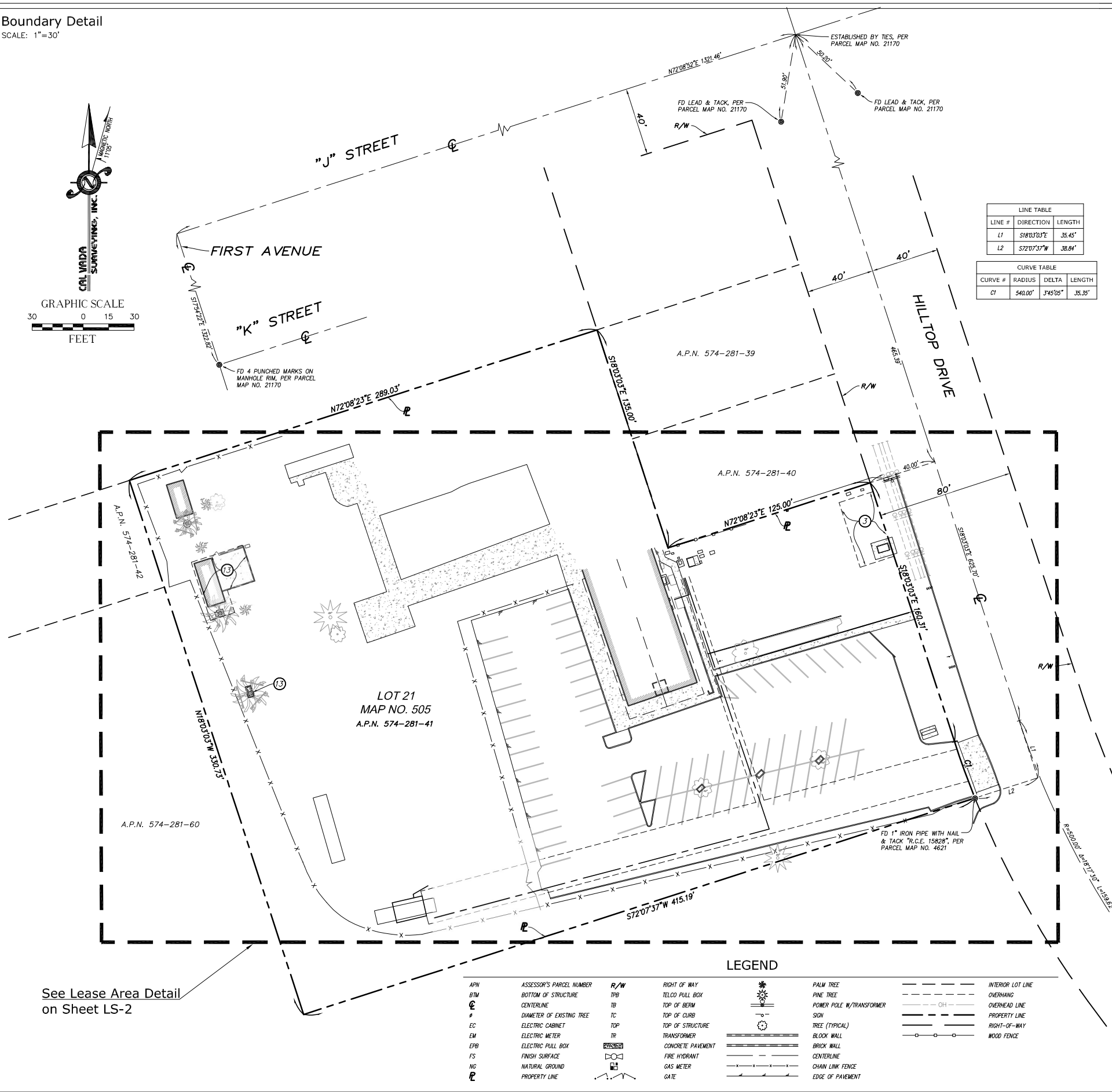
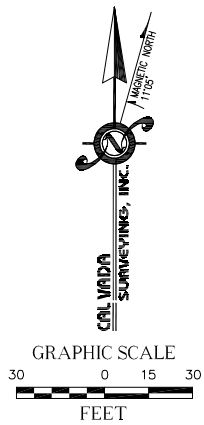
S.N.A. CAB:
 NORTHING = 1851857.32' EASTING = 6348332.56'
 S.N.A. CALK:
 NORTHING = 1790064.72' EASTING = 6291625.80'

Benchmark

THE SMARTNET NORTH AMERICA C.O.R.S. CAB, ELEVATION 453.06 FEET (NAVD 88).

Date of Survey
 AUGUST 05, 2022.

Boundary Detail
 SCALE: 1"=30'



LINE TABLE		
LINE #	DIRECTION	LENGTH
L1	S180°10'3"E	35.45'
L2	S72°07'37"W	38.84'

CURVE TABLE			
CURVE #	RADIUS	DELTA	LENGTH
C1	540.00'	3°45'05"	35.35'



A&E DEVELOPMENT:



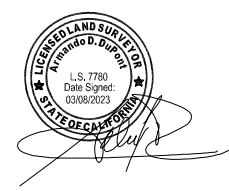
CONSULTANT:



411 Jenks Cir., Suite 205, Corona, CA 92878
 Phone: 951-280-4980 Fax: 951-280-0746
 Toll Free: 800-CALVADA www.calvada.com

JOB NO. 22560

LICENSURE:



REVISION:

REVISION:	DATE: / BY:	DESCRIPTION:
	08/12/22	GV SUBMITTAL
1	03/08/23	NB UPDATED DESIGN/TITLE REPORT/FINAL

SITE INFORMATION:

CAL02888

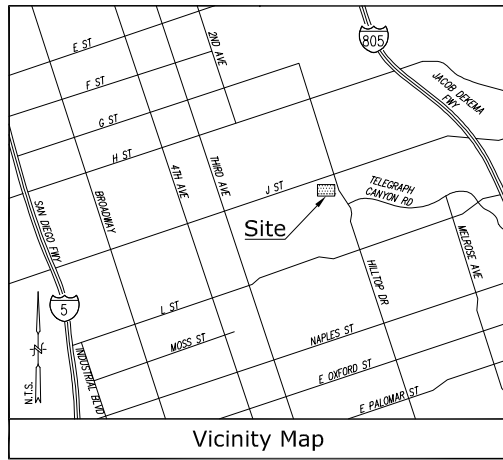
**740 HILLTOP DR.
 CHULA VISTA, CA 91910
 SAN DIEGO COUNTY**

SHEET TITLE:

TOPOGRAPHIC SURVEY

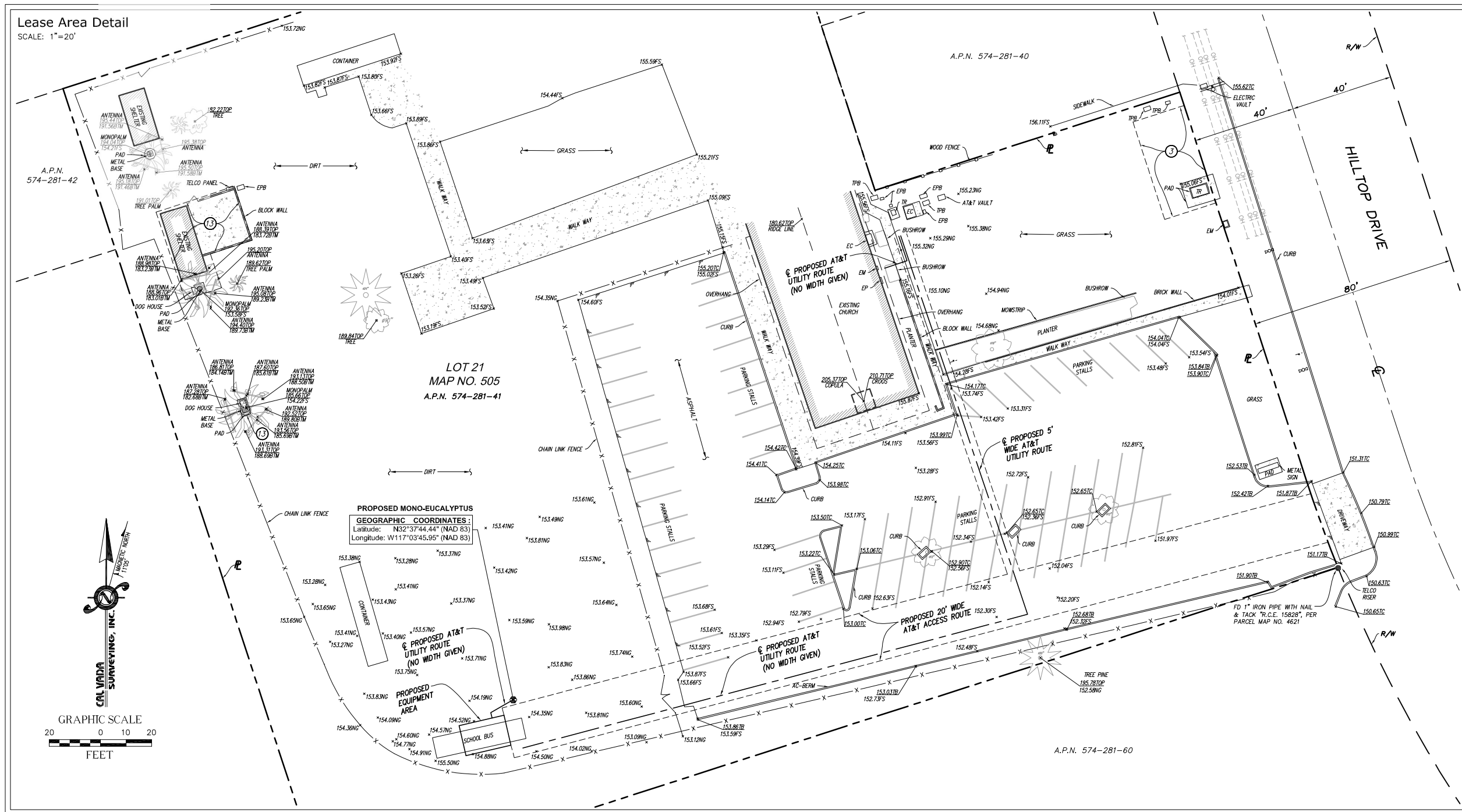
SHEET NUMBER:

LS-1
 SHEET 1 OF 2



LEGEND

APN	ASSESSOR'S PARCEL NUMBER	R/W	RIGHT OF WAY		PALM TREE		INTERIOR LOT LINE
BTM	BOTTOM OF STRUCTURE	TPB	TELCO PULL BOX		PINE TREE		OVERHANG
C	CENTERLINE	TC	TOP OF CURB		POWER POLE W/TRANSFORMER		OVERHEAD LINE
D	DIAMETER OF EXISTING TREE	TR	TRANSFORMER		SIGN		PROPERTY LINE
EC	ELECTRIC CABINET	TOP	TOP OF STRUCTURE		TREE (TYPICAL)		RIGHT-OF-WAY
EM	ELECTRIC METER	TR	TRANSFORMER		BLOCK WALL		WOOD FENCE
EPB	ELECTRIC PULL BOX	CP	CONCRETE PAVEMENT		BRICK WALL		
FS	FINISH SURFACE	FC	FIRE HYDRANT		CENTERLINE		
NG	NATURAL GROUND	GM	GAS METER		CHAIN LINK FENCE		
P	PROPERTY LINE	G	GATE		EDGE OF PAVEMENT		



A&E DEVELOPMENT:

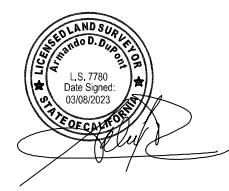


CONSULTANT:

CAL VADA
SURVEYING, INC.
411 Jenks Cir., Suite 205, Corona, CA 92878
Phone: 951-280-4960 Fax: 951-280-0746
Toll Free: 800-CALVADA www.calvada.com

JOB NO. 22560

LICENSURE:



REVISION:

REVISION:	DATE: / BY:	DESCRIPTION:
	08/12/22	GV SUBMITTAL
	03/08/23	NB UPDATED DESIGN/TITLE REPORT/FINAL

SITE INFORMATION:

CAL02888

740 HILTOP DR.
CHULA VISTA, CA 91910
SAN DIEGO COUNTY

SHEET TITLE:

TOPOGRAPHIC SURVEY

SHEET NUMBER:

LS-2
SHEET 2 OF 2

x:\Proj\2022\220348700-MD7_SoCal_ATT_New_Site_Build\11_Sites\CAL02888 - 15876782 - CAL02888 - 15876782 - 05/02/2023 12:35pm RBrwinning

ARCHITECTURAL GENERAL NOTES

- WORK SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS. ALL NECESSARY LICENSES, CERTIFICATES, ETC., REQUIRED BY AUTHORITY HAVING JURISDICTION SHALL BE PROCURED AND PAID FOR BY THE CONTRACTOR.
- THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND CONDITIONS AT THE JOB SITE WHICH COULD AFFECT THE WORK UNDER THIS CONTRACT. ALL MANUFACTURERS RECOMMENDED SPECIFICATIONS, EXCEPT THOSE SPECIFICATIONS HEREIN, WHERE MOST STRINGENT SHALL BE COMPLIED WITH.
- THE CONTRACTOR SHALL VERIFY THAT NO CONFLICTS EXIST BETWEEN THE LOCATIONS OF ANY AND ALL MECHANICAL, ELECTRICAL, PLUMBING, OR STRUCTURAL ELEMENTS, AND THAT ALL REQUIRED CLEARANCES FOR INSTALLATION AND MAINTENANCE ARE MET. NOTIFY THE CONSULTANT OF ANY CONFLICTS. THE CONSULTANT HAS THE RIGHT TO MAKE MINOR MODIFICATIONS IN THE DESIGN OF THE CONTRACT WITHOUT THE CONTRACTOR GETTING ADDITIONAL COMPENSATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEAN UP OF ALL TRADES AND REMOVE ALL DEBRIS FROM THE CONSTRUCTION SITE. AT THE COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE BUILDING, SITE, AND ANY OTHER SURROUNDING AREAS TO A BETTER THAN NEW CONDITION.
- THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, ETC. ACCORDING TO APPLICABLE CODES, STANDARDS, AND GOOD CONSTRUCTION PRACTICES.
- WHERE ONE DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS, EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS OR REFERRED TO IN THE SPECIFICATIONS, UNLESS NOTED OTHERWISE.
- WHERE NEW PAVING, CONCRETE SIDEWALKS OR PATHS MEET EXISTING CONSTRUCTION, THE CONTRACTOR SHALL MATCH THE EXISTING PITCH, GRADE, AND ELEVATION SO THE ENTIRE STRUCTURE SHALL HAVE A SMOOTH TRANSITION.
- THE GENERAL CONTRACTOR SHALL OBTAIN WRITTEN CONFIRMATION OF THE EXPECTED DATE OF COMPLETION OF THE POWER CONNECTION FROM THE POWER COMPANY.
- IF THE POWER COMPANY IS UNABLE TO PROVIDE THE POWER CONNECTION BY OWNER'S REQUIRED DATE, THE GENERAL CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY GENERATOR UNTIL THE POWER COMPANY CONNECTION IS COMPLETED. COSTS ASSOCIATED WITH THE TEMPORARY GENERATOR TO BE APPROVED BY THE OWNER.
- PLANS PART OF THIS SET ARE COMPLEMENTARY. INFORMATION IS NOT LIMITED TO ONE PLAN. DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT, WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY ARE NOT TO BE USED BY THE OWNER ON OTHER PROJECTS OR EXTENSION TO THIS PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO MORRISON HERSHFIELD. THESE PLANS WERE PREPARED TO BE SUBMITTED TO GOVERNMENTAL BUILDING AUTHORITIES FOR REVIEW FOR COMPLIANCE WITH APPLICABLE CODES AND IT IS THE SOLE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO BUILD ACCORDING TO APPLICABLE BUILDING CODES.
- IF CONTRACTOR OR SUB-CONTRACTOR FIND IT NECESSARY TO DEVIATE FROM ORIGINAL APPROVED PLANS, THEN IT IS THE CONTRACTOR'S AND THE SUB-CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE ARCHITECT WITH (4) COPIES OF THE PROPOSED CHANGES FOR HIS APPROVAL BEFORE PROCEEDING WITH THE WORK. IN ADDITION THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY APPROVALS FROM THE BUILDING AUTHORITIES FOR THE PROPOSED CHANGES BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR PROCURING ALL NECESSARY INSPECTIONS AND APPROVALS FROM BUILDING AUTHORITIES DURING THE EXECUTION OF THE WORK.
- IN EVERY EVENT, THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL BE INTERPRETED TO BE A MINIMUM ACCEPTABLE MEANS OF CONSTRUCTION BUT THIS SHALL NOT RELIEVE THE CONTRACTOR, SUB-CONTRACTOR, AND/OR SUPPLIER/MANUFACTURER FROM PROVIDING A COMPLETE AND CORRECT JOB WHEN ADDITIONAL ITEMS ARE REQUIRED TO THE MINIMUM SPECIFICATION. IF ANY ITEMS NEED TO EXCEED THESE MINIMUM SPECIFICATIONS TO PROVIDE A COMPLETE, ADEQUATE AND SAFE WORKING CONDITION, THEN IT SHALL BE THE DEEMED AND UNDERSTOOD TO BE INCLUDED IN THE DRAWINGS. FOR EXAMPLE, IF AN ITEM AND/OR PIECE OF EQUIPMENT REQUIRES A LARGER WIRE SIZE (I.E. ELECTRICAL WIRE), STRONGER OR LARGER PIPING, INCREASED QUANTITY (I.E. STRUCTURAL ELEMENTS), REDUCED SPACING, AND/OR INCREASED LENGTH (I.E. BOLT LENGTHS, BAR LENGTHS) THEN IT SHALL BE DEEMED AND UNDERSTOOD TO BE INCLUDED IN THE BID/PROPOSAL. THESE DOCUMENTS ARE MEANT AS A GUIDE AND ALL ITEMS REASONABLY INFERRED SHALL BE DEEMED TO BE INCLUDED.
- THESE CONTRACT DOCUMENTS AND SPECIFICATIONS SHALL NOT BE CONSTRUED TO CREATE A CONTRACTUAL RELATIONSHIP OF ANY KIND BETWEEN THE ARCHITECT AND THE CONTRACTOR.

COMPOUND NOTES

- CONTRACTOR AND SUBCONTRACTORS SHALL VERIFY ALL UTILITY SERVICE CONNECTION LOCATIONS PRIOR TO SUBMITTING BID AND PROCEEDING WITH WORK. IT IS RECOMMENDED THAT THE CONTRACTOR VISIT THE SITE AND VERIFY ALL DIMENSIONS AND NOTES BEFORE SUBMITTING BID AND PROCEEDING WITH WORK.
- SOIL AT THIS SITE IS UNDISTURBED ROCK AND SAND ADEQUATE OF SUPPORTING THE DESIGN LOAD OF 2000 P.S.F. IF OTHER CONDITIONS ARE ENCOUNTERED, NOTIFY MORRISON HERSHFIELD BEFORE PROCEEDING WITH WORK. THIS VALUE IS CONSIDERED SAFE WITH RESPECT TO ACTUAL FAILURE OF THE SUPPORTING GROUND, BUT DOES NOT NECESSARILY ENSURE THE PREVENTION OF EXCESSIVE FOUNDATION MOVEMENTS.
- IN ORDER TO AVOID ANY CONFLICTS, CONTRACTOR SHALL COORDINATE ALL HIS PRACTICAL TRADES.
- THE POWER CABINET MUST BE CLEAR OF FLAMMABLE MATERIAL WITHIN 12 INCHES OF THE CABINET, INCLUDING ABOVE THE CABINET.
- THE POWER CABINET MUST BE MOUNTED ON THE FOUNDATION TO ALLOW WATER TO DRAIN FROM THE DRAIN OUTLET AND AWAY FROM THE CABINET.
- TO ENSURE SERVICEABLE ABILITY, THE DOORS OF CABINETS WILL REQUIRE AN OPENING RADIUS OF 36 INCHES OF CLEARANCE FROM THE CLOSED POSITION TO THE OPEN POSITION.

ELECTRICAL GENERAL NOTES

A. GENERAL

- 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.
- OBTAIN ALL PERMITS, PAY ASSOCIATED FEES AND SCHEDULE INSPECTION.
- 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 AT&T & LAND/TOWER OWNER
- 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. GENERAL CONTRACTOR IS RESPONSIBLE FOR VED. REQUESTING CONNECTION OF COMMERCIAL POWER FROM THE POWER COMPANY. ELECTRICAL CONTRACTOR SHALL COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
- 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.

B. BASIC MATERIALS AND METHODS

- ALL ELECTRICAL WORK SHALL CONFORM TO THE EDITION OF THE NEC ACCEPTED BY THE LOCAL JURISDICTION AND TO THE APPLICABLE LOCAL CODES AND REGULATIONS.
- 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.
- 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.
- SEAL AROUND CONDUITS AND AROUND CONDUCTORS WITHIN CONDUITS ENTERING THE MODULAR CABINETS WHERE PENETRATION OCCURS WITH A SILICONE SEALANT TO PREVENT MOISTURE PENETRATION INTO BUILDING.

C. CONDUCTORS AND CONNECTORS

- 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). INSULATION SHALL BE RATED FOR 90 DEG. CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC.
- 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.

D. GROUNDING

- ALL LIGHTNING PROTECTION GROUNDING OF THE ELECTRICAL EQUIPMENT SHALL BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT NFPA STANDARDS.
- ALL GROUND LUG AND COMPRESSION CONNECTIONS SHALL BE COATED WITH ANTI-OXIDANT AGENT, SUCH AS NO-OX, NOALOX, PENETROX OR KOPRSHIELD.
- ALL EXTERIOR GROUNDING CONDUCTORS INCLUDING EXTERIOR GROUND RING SHALL BE #2 AWG SOLID BARE TINNED COPPER. 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.
- REPAIR ALL GALVANIZED SURFACES THAT HAVE BEEN DAMAGED BY THERMO-WELDING WITH ERICO T-319 GALVANIZING BAR.
- 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 HOLLUB LECTROSOL #15-501.

PROJECT INFORMATION

- THIS IS AN UNMANNED AND RESTRICTED ACCESS EQUIPMENT AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
- THIS FACILITY WILL CONSUME NO UNRECOVERABLE ENERGY.
- NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
- NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.
- NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.
- AT&T MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.

SITE GENERAL NOTES

- RESTORE EXISTING ASPHALT AND/OR CONCRETE COMPOUND TO IT'S ORIGINAL CONDITION.
- CONTRACTOR SHALL DETECT AND MARK ANY UNDERGROUND LINES, PIPING, PRIOR TO START OF EXCAVATION.

ABBREVIATIONS

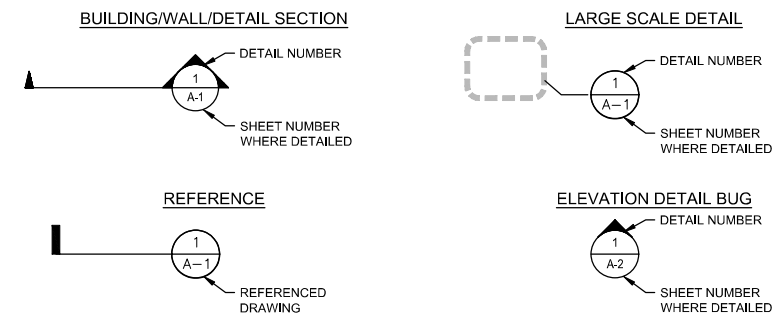
AGL	ABOVE GROUND LEVEL	GA	GAUGE	PLYWD	PLYWOOD
A/C	AIR CONDITIONING	GALV	GALVANIZED	PT	PRESSURE TREATED
APPROX	APPROXIMATELY	GC	GENERAL CONTRACTOR	PROJ	PROJECT
AZ	AZIMUTH	GRND	GROUND	PROP	PROPERTY
		GYP BD	GYPSUM WALL BOARD	(P)	PROPOSED
BLDG	BUILDING	HT	HEIGHT	QTY	QUANTITY
BLK	BLOCKING	HVAC	HEATING VENTILATION AIR CONDITIONING	REQ	REQUIRED
CLG	CEILING	HORZ	HORIZONTAL	RM	ROOM
CLC	CENTERLINE	HR	HOUR	RO	ROUGH OPENING
CLR	CLEAR			ROW	RIGHT OF WAY
CONC	CONCRETE	IN	INCH	SHT	SHEET
CONST	CONSTRUCTION	INFO	INFORMATION	SIM	SIMILAR
CONT	CONTINUOUS	ID	INSIDE DIAMETER	SPEC	SPECIFICATION
DET	DETAIL	INSUL	INSULATION	SF	SQUARE FOOT
DIA	DIAMETER	INT	INTERIOR	SS	STAINLESS STEEL
DIAG	DIAGONAL	IBC	INTERNATIONAL BUILDING CODE	STL	STEEL
DIM	DIMENSION			STRUCT	STRUCTURAL
DBL	DOUBLE	LBS	POUNDS	STD	STUD
DN	DOWN			SUSP	SUSPENDED
DWG	DRAWING	MGR	MANAGER		
EA	EACH	MFR	MANUFACTURER	THRU	THROUGH
ELEC	ELECTRICAL	MAX	MAXIMUM	TNNG	TINNED
ELEV	ELEVATION	MECH	MECHANICAL	TYP	TYPICAL
EQ	EQUAL	MIN	MINIMUM		
EQUIP	EQUIPMENT	MISC	MISCELLANEOUS	UG	UNDERGROUND
(E)	EXISTING			UNO	UNLESS NOTED OTHERWISE
EXT	EXTERIOR	N/A	NOT APPLICABLE	VIF	VERIFY IN FIELD
		NIC	NOT IN CONTRACT	VERT	VERTICAL
FIN	FINISH	NTS	NOT TO SCALE		
FLR	FLOOR			WP	WATER PROOF
FLUOR	FLUORESCENT	OC	ON CENTER	W/	WITH
FT	FOOT	OD	OUTSIDE DIAMETER	W/O	WITHOUT

— UGP — UG POWER CONDUIT — UGT — UG TELCO CONDUIT

IMPORTANT NOTICE

THE EXISTING CONDITIONS REPRESENTED HEREIN ARE BASED ON VISUAL OBSERVATIONS AND INFORMATION PROVIDED BY OTHERS. MORRISON HERSHFIELD CORPORATION 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.

LEGEND



DO NOT SCALE DRAWINGS. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND ADVISE CONSULTANTS OF ANY ERRORS OR OMISSIONS. NO VARIATIONS OR MODIFICATIONS TO WORK SHOWN SHALL BE IMPLEMENTED WITHOUT PRIOR WRITTEN APPROVAL. ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED BY THE LATEST REVISION. ALL DRAWINGS AND SPECIFICATIONS REMAIN THE PROPERTY OF MORRISON HERSHFIELD CORPORATION. NEITHER MORRISON HERSHFIELD NOR THE ARCHITECT WILL BE PROVIDING CONSTRUCTION REVIEW OF THIS PROJECT.

2	05/02/23	JDX COMMENTS
1	03/08/23	JDX COMMENTS
0	10/25/23	FINAL ZONING DRAWINGS
C	10/18/22	UPDATE RAD CENTER PER RAN
B	10/11/22	CLIENT COMMENTS

No.	Date	Action
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Plans Prepared For:

MD7

10590 WEST OCEAN AIR DRIVE
SUITE 250
SAN DIEGO, CA 92130

Applicant:

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Plans Prepared By:

MORRISON HERSHFIELD
5100 S MACADAM AVE., UNIT 500
PORTLAND, OR 97239
Tel: 503-595-9128 Fax: 503-595-9136
www.morrisonhershfield.com

Project:

HILLTOP BAPTIST CHURCH
SITE ID: CAL02888
740 HILLTOP DRIVE
CHULA VISTA, CA 91910
FA: 15876782

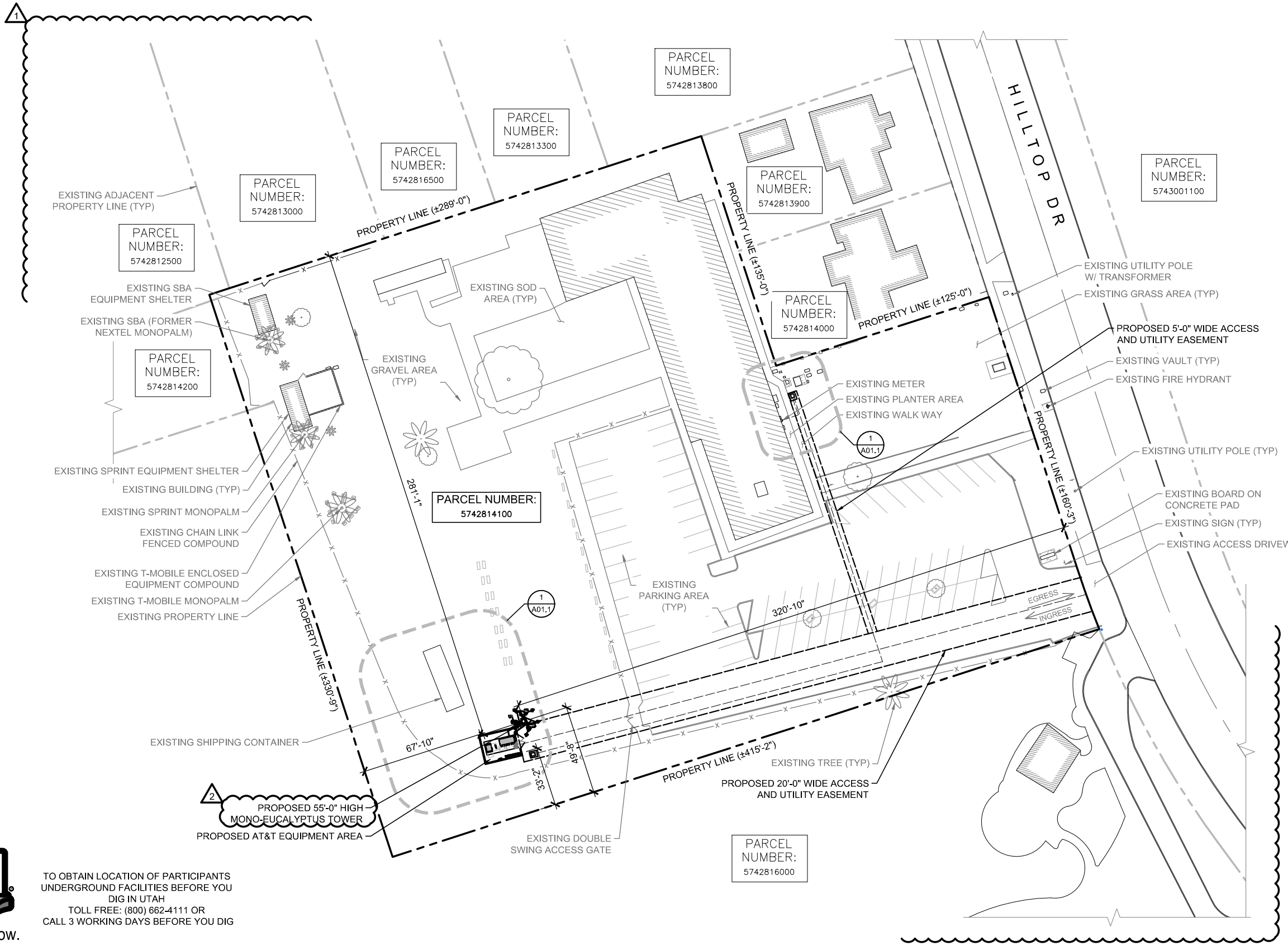
Drawing Title:

GENERAL NOTES

Project No.: 220348700	
Designer: RB	Date: 08/26/22
Drawn By: GD	Checked By: -
PM Review: JR	Client Approval
Issue No.: 1	Drawing No.: AGN01

THIS IS NOT A SURVEY

ALL INFORMATION AND TRUE NORTH
HAVE BEEN OBTAINED FROM EXISTING
DRAWINGS AND ARE APPROXIMATE.



Know what's below.
Call before you dig.

TO OBTAIN LOCATION OF PARTICIPANTS
UNDERGROUND FACILITIES BEFORE YOU
DIG IN UTAH
TOLL FREE: (800) 662-4111 OR
CALL 3 WORKING DAYS BEFORE YOU DIG



PLAN NORTH

30' 0 15' 30' SCALE: 1"=30'-0" (22x34)
(OR) 1/2"=30'-0" (11x17)

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Plans Prepared For:
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FA: 15876782

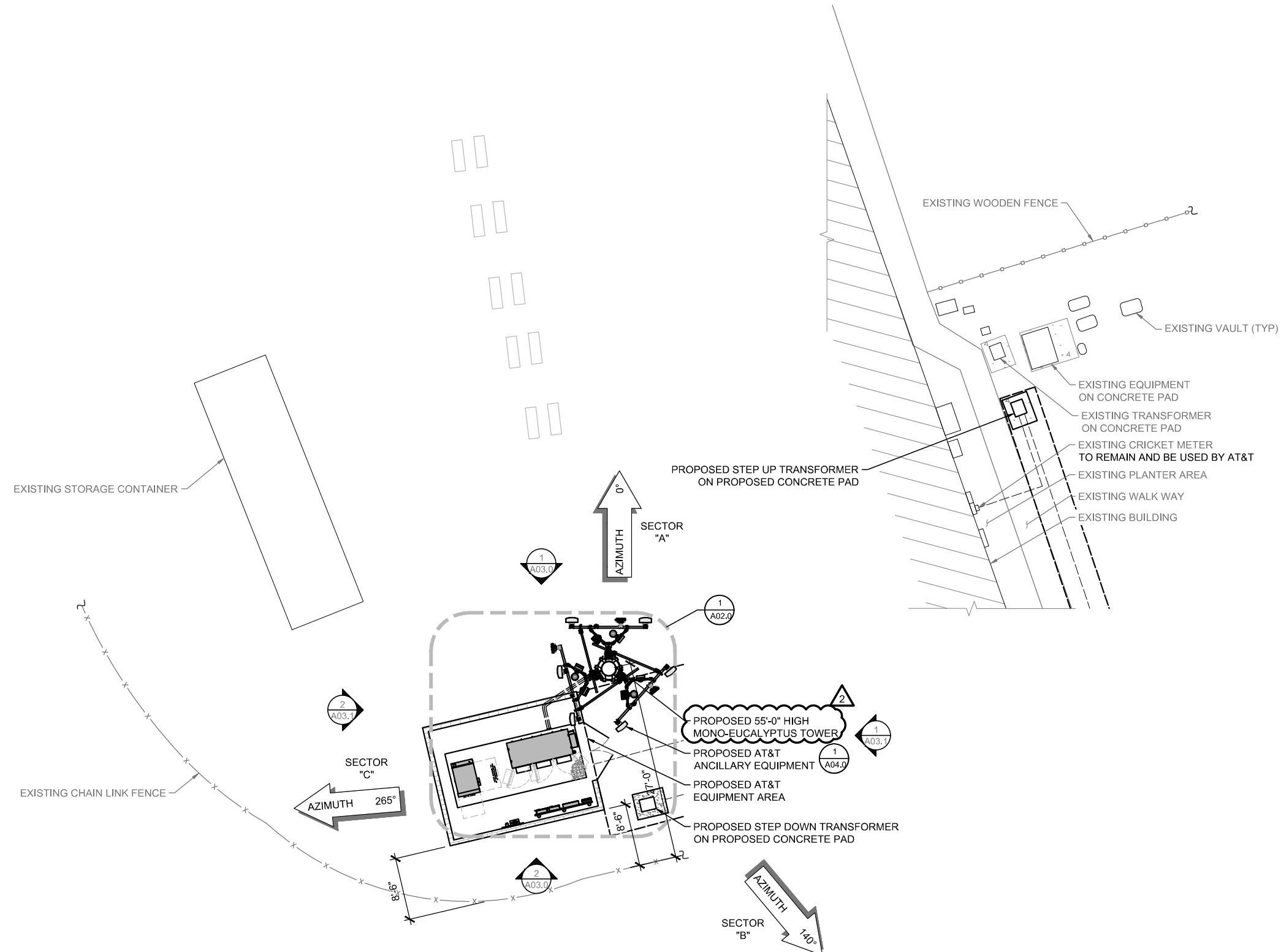
Drawing Title:
SITE PLAN

Project No.: 220348700	
Designer: RB	Date: 08/26/22
Drawn By: GD	Checked By: -
PM Review: JR	Client Approval
Issue No.: 1	Drawing No.: A01.0

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SITE PLAN

LEGAL DESCRIPTION:
 PORTION OF LOT 21 OF MAP NO. 505, IN THE CITY OF CHULA VISTA, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY.



NOTE:
 SEE A04.0 FOR ANTENNA PLAN



ENLARGED SITE PLAN

0 2' 4' 8' SCALE: 1/8"=1'-0" (22x34)
 (OR) 1/16"=1'-0" (11x17)

1

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Plans Prepared For:
MD7
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 SUITE 250
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Project:
HILLTOP BAPTIST CHURCH
 SITE ID: CAL02888
 740 HILLTOP DRIVE
 CHULA VISTA, CA 91910
 FA: 15876782

Drawing Title:
ENLARGED SITE PLAN

Project No.: 220348700	
Designer: RB	Date: 08/26/22
Drawn By: GD	Checked By: -
PM Review: JR	Client Approval
Issue No.: 1	Drawing No.: A01.1

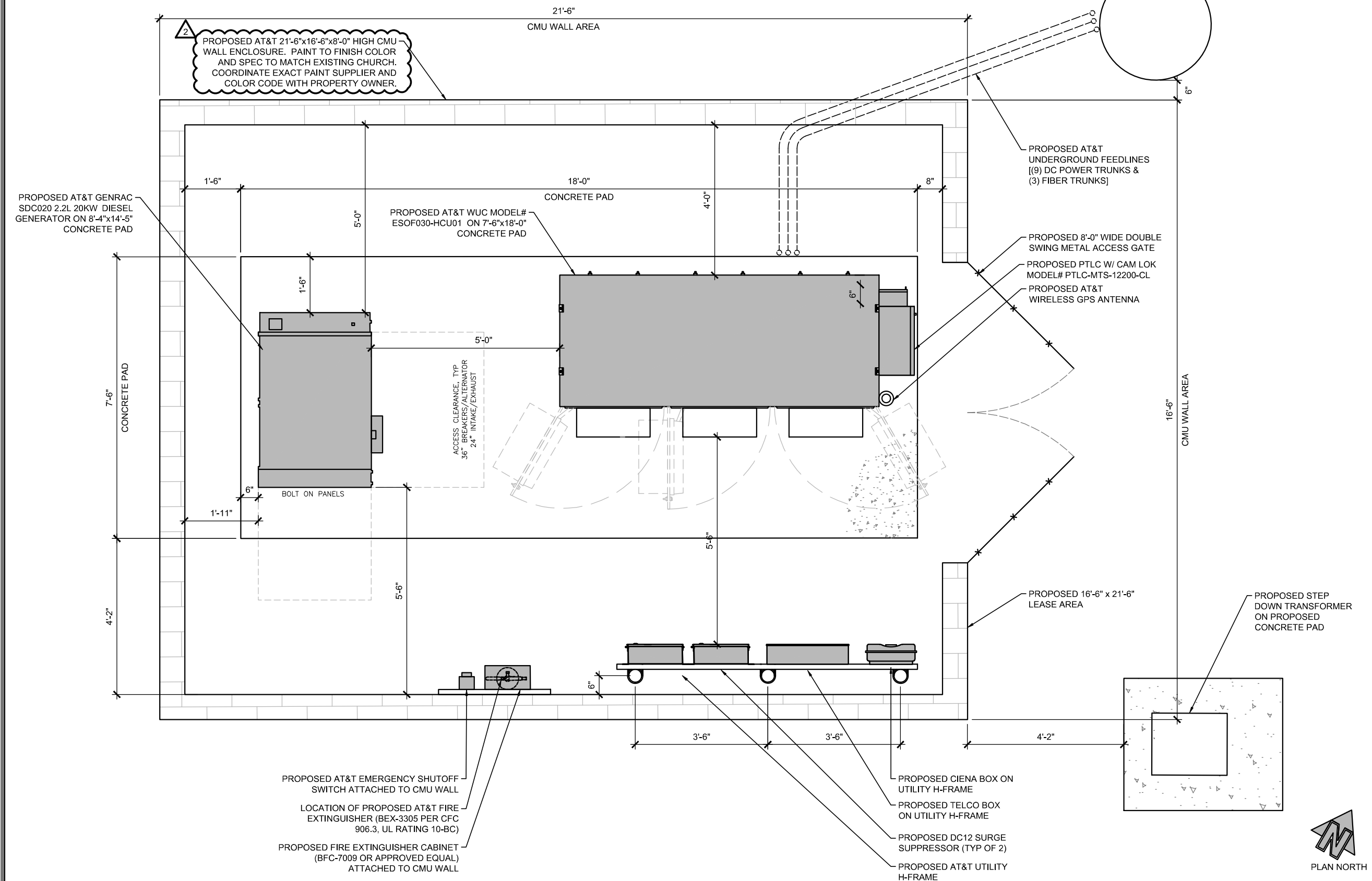
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SCALE IS BASE ON 22" X 34" "D" SIZE

NOTE:
THE WIRELESS TELECOMMUNICATION FACILITY SHALL COMPLY WITH CHAPTER 19.68 "PERFORMANCE STANDARDS AND NOISE CONTROL" OF CHULA VISTA'S MUNICIPAL CODE.

PROPOSED AT&T 21'-6"x16'-6"x8'-0" HIGH CMU WALL ENCLOSURE. PAINT TO FINISH COLOR AND SPEC TO MATCH EXISTING CHURCH. COORDINATE EXACT PAINT SUPPLIER AND COLOR CODE WITH PROPERTY OWNER.

PROPOSED 55'-0" HIGH MONO-EUCALYPTUS TOWER



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Project:
HILLTOP BAPTIST CHURCH
SITE ID: CAL02888
740 HILLTOP DRIVE
CHULA VISTA, CA 91910
FA: 15876782

Drawing Title:
EQUIPMENT PLAN

Project No.: 220348700	
Designer: RB	Date: 08/26/22
Drawn By: GD	Checked By: -
PM Review: JR	Client Approval
Issue No.: 1	Drawing No.: A02.0

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EQUIPMENT PLAN

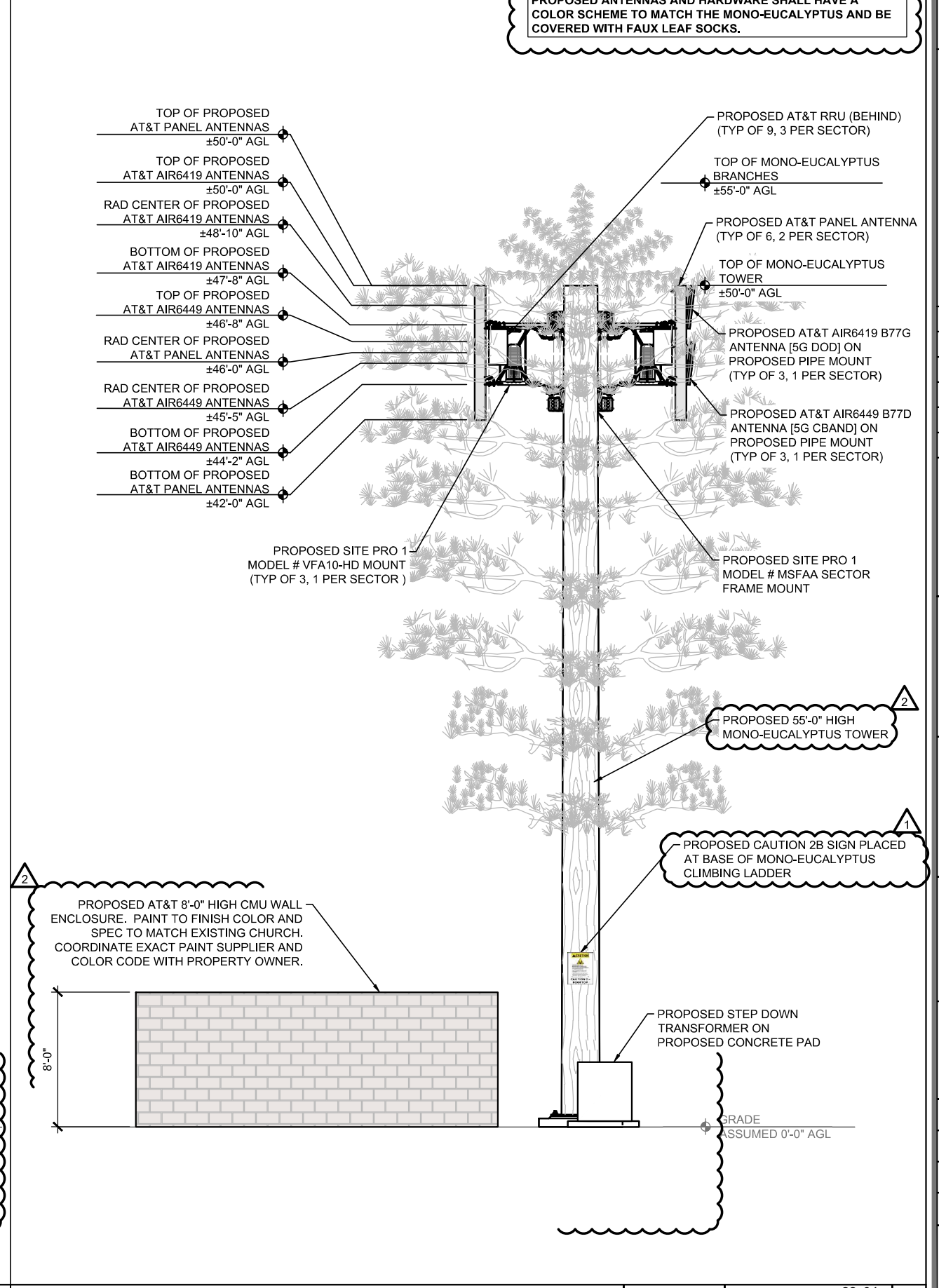
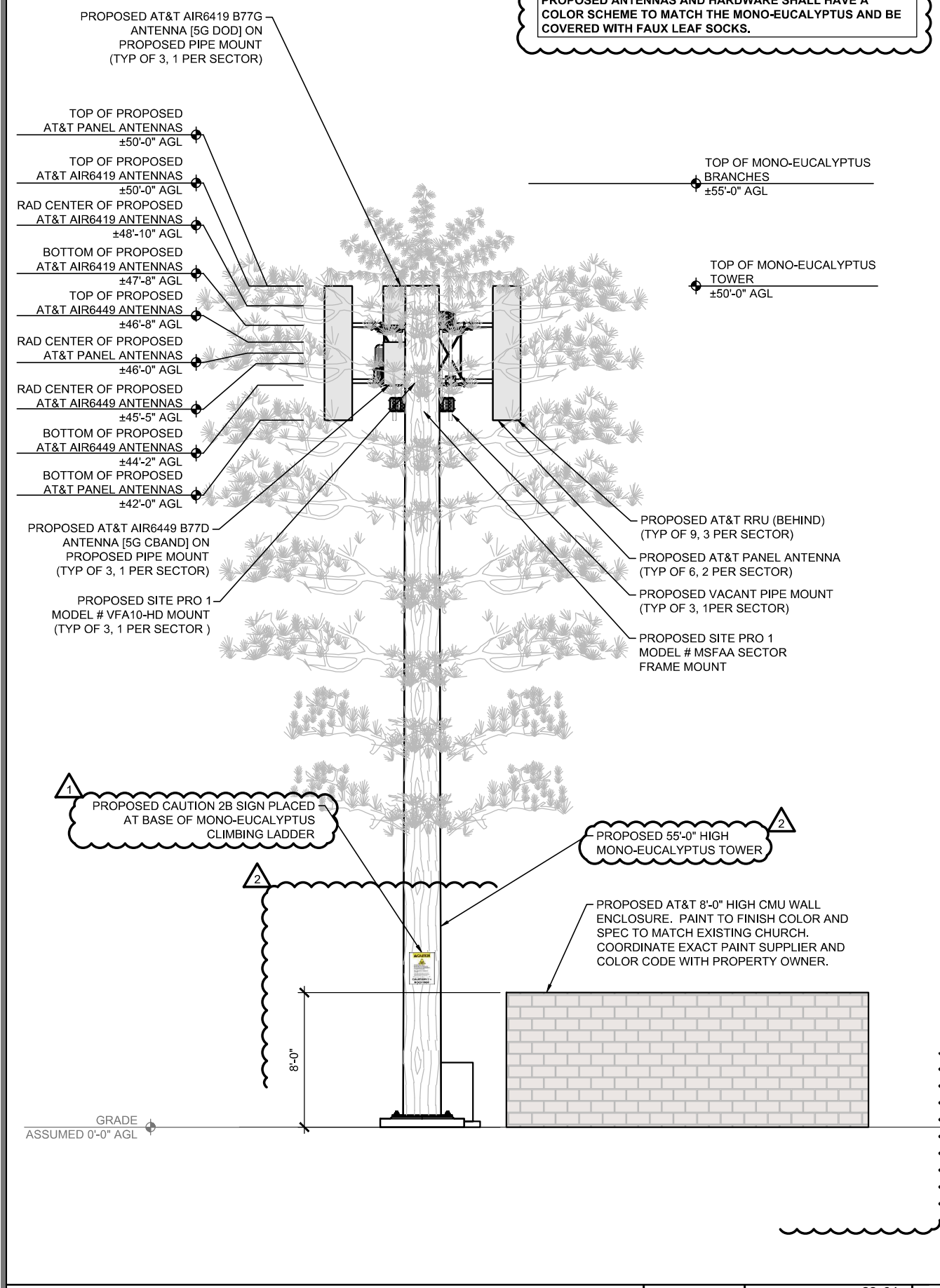
0 3/8" 1" SCALE: 3/4"=1'-0" (22x34)
(OR) 3/8"=1'-0" (11x17)



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NOTE:
PROPOSED ANTENNAS AND HARDWARE SHALL HAVE A COLOR SCHEME TO MATCH THE MONO-EUCALYPTUS AND BE COVERED WITH FAUX LEAF SOCKS.

NOTE:
PROPOSED ANTENNAS AND HARDWARE SHALL HAVE A COLOR SCHEME TO MATCH THE MONO-EUCALYPTUS AND BE COVERED WITH FAUX LEAF SOCKS.



PROPOSED NORTH ELEVATION

PROPOSED SOUTH ELEVATION

0 1' 2' 4' SCALE: 1/4"=1'-0" (22x34)
(OR) 1/8"=1'-0" (11x17)

0 1' 2' 4' SCALE: 1/4"=1'-0" (22x34)
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Plans Prepared For:
MD7
10590 WEST OCEAN AIR DRIVE
SUITE 250
SAN DIEGO, CA 92130

Applicant:
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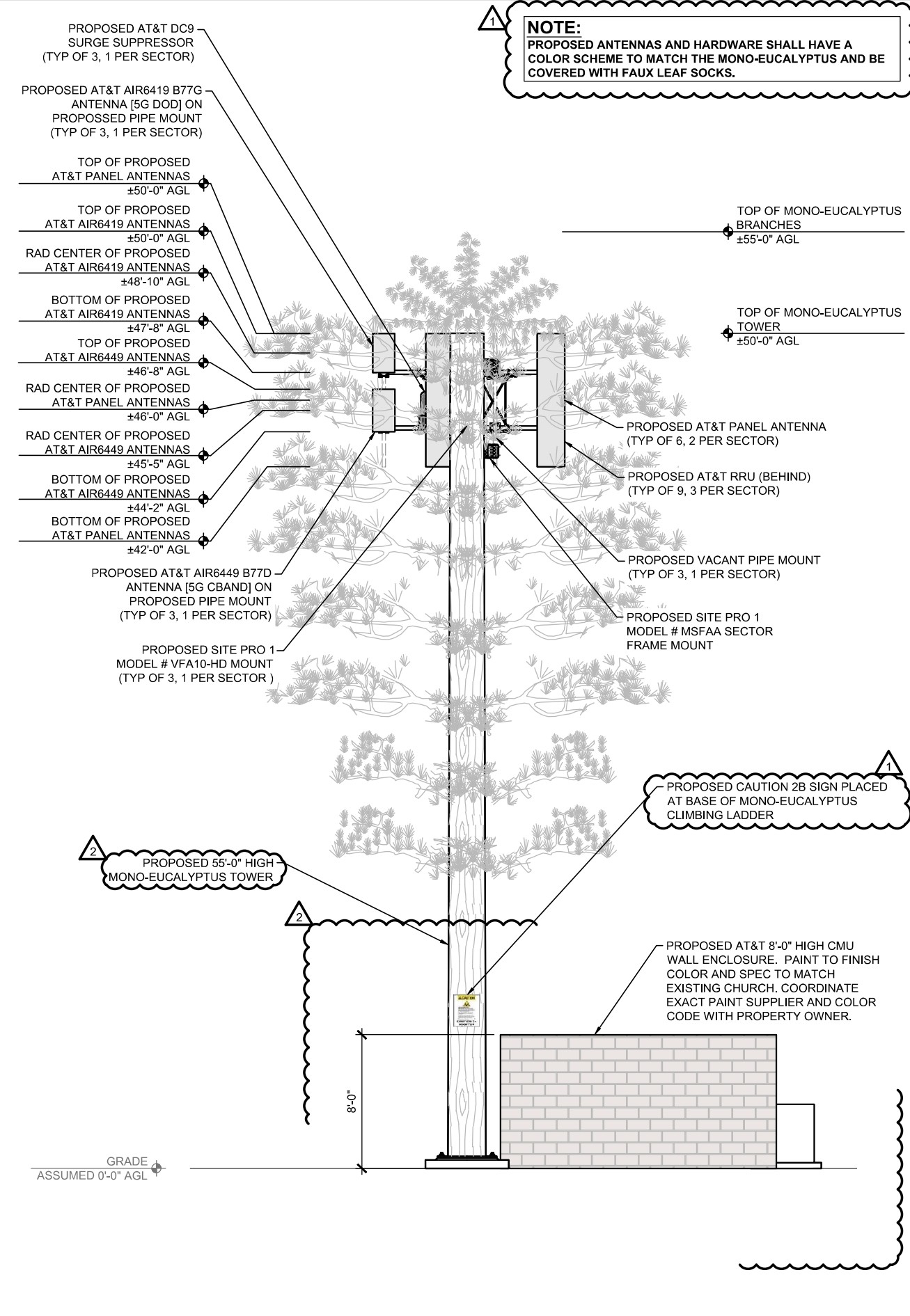
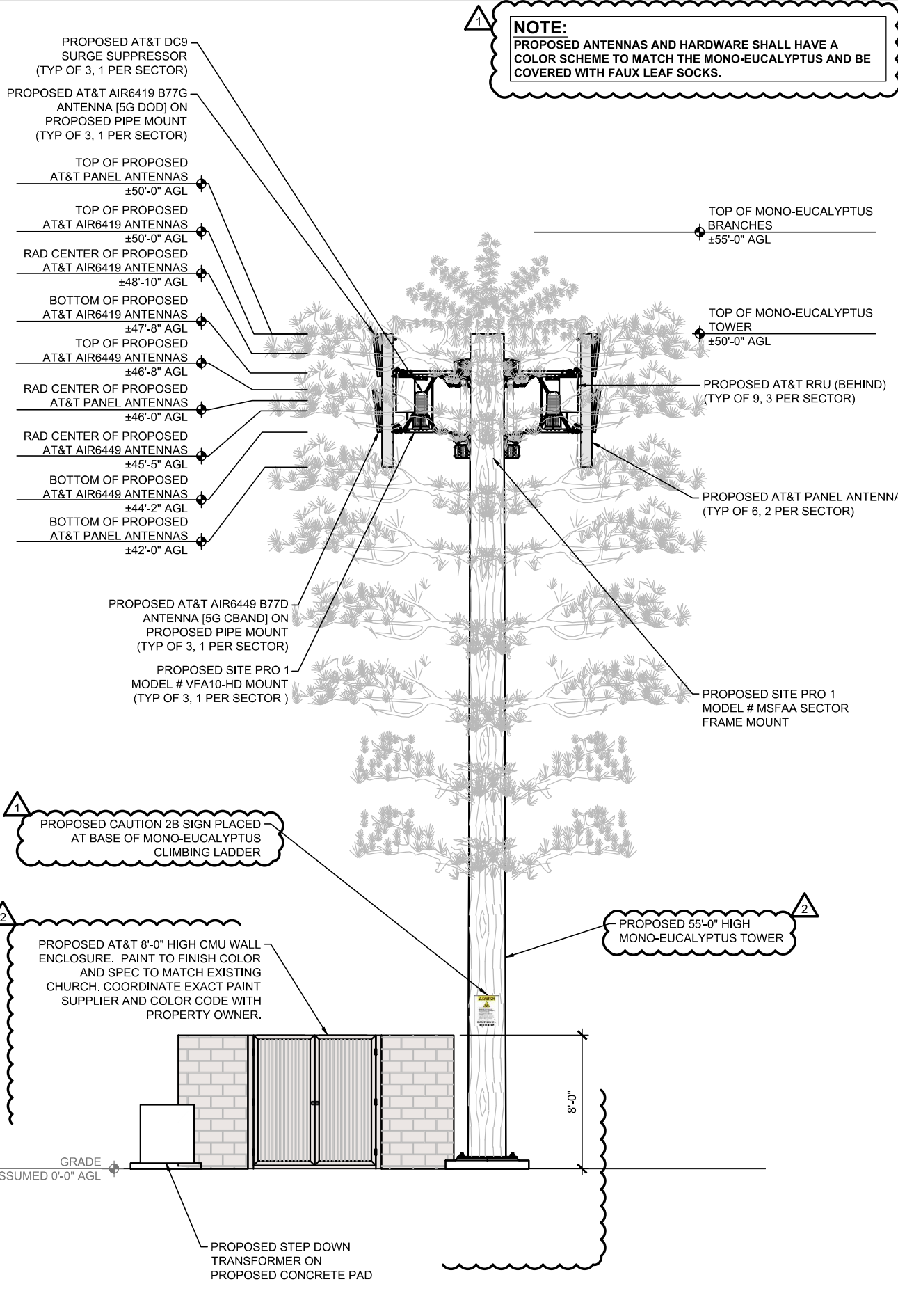
Project:
HILLTOP BAPTIST CHURCH
SITE ID: CAL02888
740 HILLTOP DRIVE
CHULA VISTA, CA 91910
FA: 15876782

Drawing Title:
ELEVATIONS

Project No.: 220348700	
Designer: RB	Date: 08/26/22
Drawn By: GD	Checked By: -
PM Review: JR	Client Approval
Issue No.: 1	Drawing No.: A03.0

SCALE IS BASE ON 22" X 34" D SIZE

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Plans Prepared For:

MD7

10590 WEST OCEAN AIR DRIVE
SUITE 250
SAN DIEGO, CA 92130



Plans Prepared By:

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Project:

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SITE ID: CAL02888
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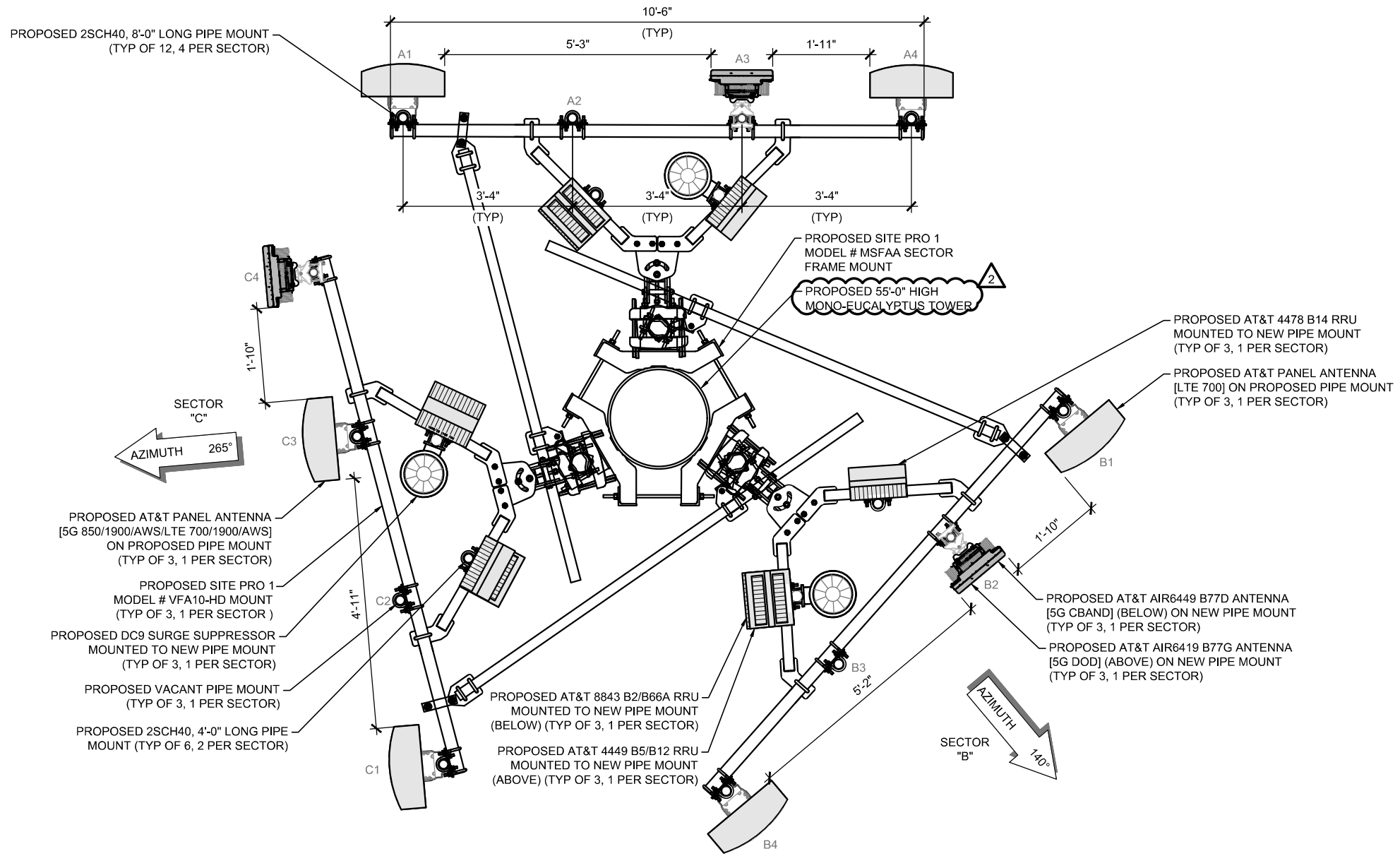
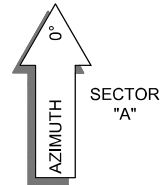
Drawing Title:

ELEVATIONS

Project No.: 220348700	
Designer: RB	Date: 08/26/22
Drawn By: GD	Checked By: -
PM Review: JR	Client Approval
Issue No.: 1	Drawing No.: A03.1

PROPOSED ANTENNA CONFIGURATION AND SCHEDULE - PER RFDS VERSION 2.0 - DATED 09-15-2022

SECTOR	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER	FEEDER LENGTH
SECTOR A	5G 850/1900/AWS LTE 700/1900/AWS	A1	0°	46'-0"	NNH4-65C-R6H4	-	(1) 4449 B5/B12 (1) 8843 B2/B66A	(1) DC9	(2) DC	-
	-	A2	-	-	-	-	-		-	-
	5G DOD	A3	0°	48'-10"	AIR6419 B77G	-	-		-	-
	5G CBAND		45'-5"	AIR6449 B77D	-	-	-		-	
LTE 700	A4	0°	46'-0"	NNH4-65C-R6H4	-	(1) 4478 B14	(1) DC (1) FIBER	-		
SECTOR B	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER	FEEDER LENGTH
	LTE 700	B1	140°	46'-0"	NNH4-65C-R6H4	-	(1) 4478 B14	(1) DC9	(1) DC (1) FIBER	-
	5G DOD	B2	140°	48'-10"	AIR6419 B77G	-	-		-	-
	5G CBAND		45'-5"	AIR6449 B77D	-	-	-		-	
5G 850/1900/AWS LTE 700/1900/AWS	B4	140°	46'-0"	NNH4-65C-R6H4	-	(1) 4449 B5/B12 (1) 8843 B2/B66A	(2) DC		-	
SECTOR C	CARRIER / SPECTRUM	ANTENNA POSITION	AZIMUTH	RAD CENTER	MODEL	TMA	RRU	OTHER EQUIPMENT	FEEDER JUMPER	FEEDER LENGTH
	LTE 700	C1	265°	46'-0"	NNH4-65C-R6H4	-	(1) 4478 B14	(1) DC9	(1) DC (1) FIBER	-
	-	C2	-	-	-	-	-		-	-
	5G 850/1900/AWS LTE 700/1900/AWS	C3	265°	46'-0"	NNH4-65C-R6H4	-	(1) 4449 B5/B12 (1) 8843 B2/B66A		(2) DC	-
5G DOD	48'-10"		AIR6419 B77G	-	-	-	-			
5G CBAND	C4	265°	45'-5"	AIR6449 B77D	-	-	-	-		



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Project:

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SITE ID: CAL02888
740 HILLTOP DRIVE
CHULA VISTA, CA 91910
FA: 15876782

Drawing Title:

ANTENNA PLAN & SCHEDULE

Project No.: 220348700	Date: 08/26/22
Designer: RB	Checked By: -
Drawn By: GD	Client Approval
PM Review: JR	
Issue No.: 1	Drawing No.: A04.0

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ANTENNA PLAN & SCHEDULE

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