

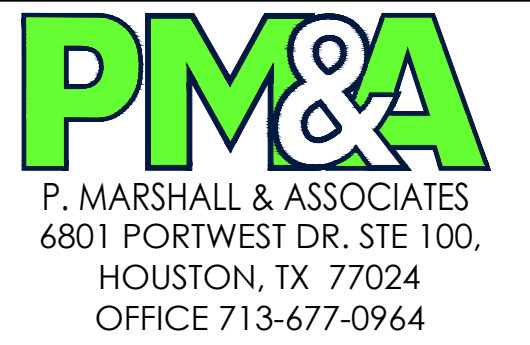
BUSINESS UNIT #: 832287

**SITE ADDRESS: 514 S CASTELL AVE,
NEW BRAUNFELS, TX 78130**

COUNTY:	COMAL
JURISDICTION:	CITY OF NEW BRAUNFELS
SITE TYPE:	MONOPOLE
TOWER HEIGHT:	135'

**SPECIAL USE PERMIT
FOR WIRELESS FACILITY RELOCATION
OF NEW BRAUNFELS CITY HALL
CROWN CASTLE BU 840076**

ZONING DRAWINGS



BU #: 832287
COMMANDO

514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

PROPOSED 135' MONOPOLE

SITE INFORMATION

CROWN CASTLE USA INC.	
SITE NAME:	COMMANDO
SITE ADDRESS:	514 S CASTELL AVE NEW BRAUNFELS, TX 78130
COUNTY:	COMAL
MAP/PARCEL #:	289
AREA OF CONSTRUCTION:	PROPOSED
LATITUDE:	29° 41' 52.99" N
LONGITUDE:	98° 07' 13.58" W
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	625.2'
CURRENT ZONING:	M-1
JURISDICTION:	CITY OF NEW BRAUNFELS
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	HEART OF THE FAMILY ASSISTANCE, INC. 514 S CASTELL AVE NEW BRAUNFELS, TX 78130 SARAH OWENS SOWENS@HEARTOFTHEFAMILYASSISTANCE.ORG 830-313-9600
TOWER OWNER:	CROWN CASTLE USA, INC 8020 KATY FREEWAY HOUSTON, TX 77024
ELECTRIC PROVIDER:	NEW BRAUNFELS UTILITIES (830) 629-4628
TELCO PROVIDER:	TBD TBD

PROJECT TEAM

A&E FIRM:	P. MARSHALL & ASSOCIATES, LLC. 6801 PORTWEST DR. - SUITE 100 HOUSTON, TX 77024 SENIOR ENGINEER - PATRICK MARSHALL, P.E. PROJECT ENGINEER - SAM ELLIS 713-677-0964
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CROWN CASTLE USA
INC. DISTRICT
CONTACTS:

8020 KATY FREEWAY
HOUSTON, TX 77024
TYLER RICHARDS - PROJECT MANAGER
(713) 570-3060

DRAWING INDEX

[illegible]

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22 X 34.
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING
DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL
IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY
DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE
RESPONSIBLE FOR SAME.

PROJECT SCOPE

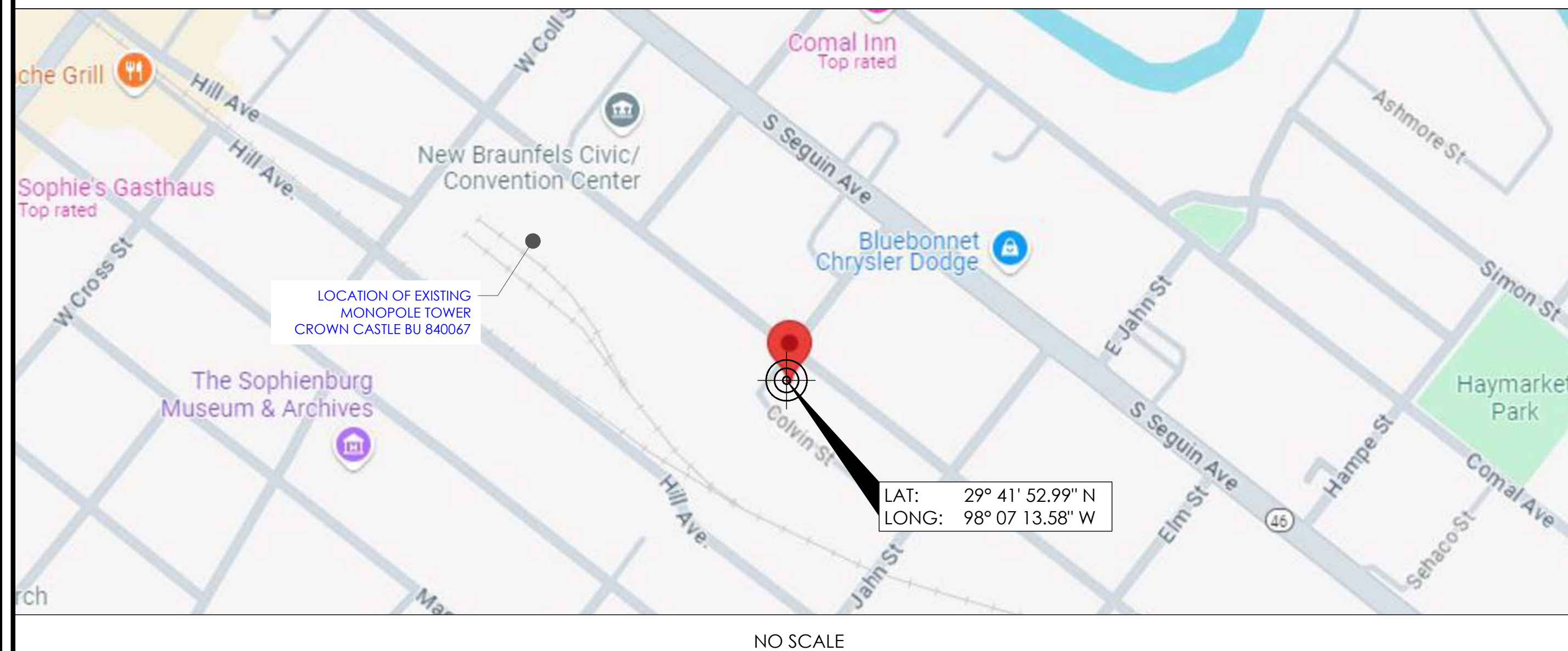
THE PROPOSED PROJECT SCOPE WILL CONSIST OF INSTALLING A NEW MONOPOLE COMMUNICATIONS TOWER WITHIN A NEW FENCED TELECOMMUNICATIONS FACILITY WITH A COMMUNITY UTILITY H-FRAME. INSTALL CONDUITS AND ASSOCIATED VAULTS/PULLBOXES FOR POWER AND FIBER/TELCO.

EMERGENCY NOTE:

EMERGENCY NOTE:
NO EQUIPMENT PROPOSED WITHIN THE PROJECT SCOPE SHALL
BE USED FOR EMERGENCY RESPONSE.

NOTE:
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT
THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION
MANAGER

LOCATION MAP



APPLICABLE CODES/REFERENCE DOCUMENTS

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE CITY OF NEW BRUNSWICK. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	2021 IBC
MECHANICAL	2021 UMC
ELECTRICAL	2020 NEC
PLUMBING	2021 UPC
ENERGY	2021 IECC
FIRE	2021 IFC

APPLICANT STATEMENT

I, VINCENT HUEBINGER, THE APPLICANT, ACKNOWLEDGE THAT THIS SITE PLAN SUBMITTED FOR THE PURPOSES OF REZONING THIS PROPERTY IS IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF THE ZONING ORDINANCE. ADDITIONALLY, I UNDERSTAND THAT CITY COUNCIL APPROVAL OF THIS SITE PLAN IN CONJUNCTION WITH A REZONING CASE DOES NOT RELIEVE ME FROM ADHERENCE TO ANY/ALL CITY ADOPTED CODES/ORDINANCES AT THE TIME OF PLAN SUBMITTAL FOR BUILDING PERMITS. NOR DOES IT RELIEVE ME FROM ADHERENCE TO ANY/ALL STATE OR FEDERAL RULES AND REGULATIONS.

APPROVALS

<u>APPROVAL</u>	<u>SIGNATURE</u>	<u>DATE</u>
PROPERTY OWNER OR REP.	_____	_____
LAND USE PLANNER	_____	_____
OPERATIONS	_____	_____
BACKHAUL	_____	_____
CONSTRUCTION MANAGER	_____	_____

THE PARTIES ABOVE HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND
 AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED
 HEREIN. ALL CONSTRUCTION DOCUMENTS ARE SUBJECT TO REVIEW BY THE
 LOCAL BUILDING DEPARTMENT AND ANY CHANGES AND MODIFICATIONS THEY
 MAY IMPOSE.



CALL TEXAS ONE CALL
(800) DIG-TESS
CALL 3 WORKING DAYS
BEFORE YOU DIG!



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 NUMBER:

T-1

REVISION:

2

1. NOTICE TO PROCEED- NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800-788-7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" - CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT:
THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPED/BLOCK ITS INTENDED USE. ANY UNCOMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS: INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED-STD-10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/ITIA-322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH QAS-STD-10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE" AND LATEST VERSION OF ANSI/ITIA-1019-A-2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. 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.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND NEARBY UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED, DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. 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.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:

CONTRACTOR:	GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
CARRIER:	#####
TOWER OWNER:	CROWN CASTLE USA INC.

2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS [OR CAN BE] EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.

3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL BE LIMITED TO BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.

4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.

5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES OF THE CONSTRUCTION ELEMENTS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENT. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.

6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.

7. 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.

8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

10. IF THE SPECIFIED EQUIPMENT CANNOT NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.

11. THE CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.

13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ATTENMIS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

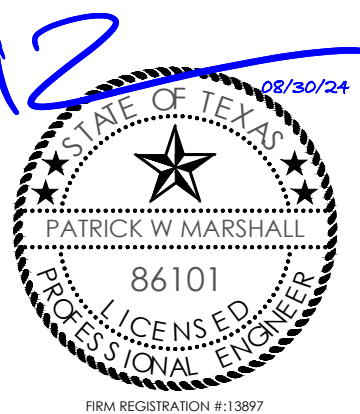
14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

1.	ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.	
2.	UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.	
3.	ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE, NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°F AT TIME OF PLACEMENT.	
4.	CONCRETE EXPOSED TO FREEZE-THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER-TO-CEMENT RATIO (W/C) OF 0.45.	
5.	ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:	
	#4 BARS AND SMALLER	40 ksi
	#5 BARS AND LARGER	60 ksi
6.	THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:	
	CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
	CONCRETE EXPOSED TO EARTH OR WEATHER:	
	#6 BARS AND LARGER	2"
	#5 BARS AND SMALLER	1-1/2"
	CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
	SLAB AND WALLS	3/4"
	BEAMS AND COLUMNS	1-1/2"
7.	A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.	

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GSS'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESISTANCE OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDING AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES. #1 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 FT OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTIVITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS, WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON-METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED, WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (I.E., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON-METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3' TO 6" OF CAD-WELD TERMINATION POINT, THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).



PROPOSED 135' MONOPOLE

[illegible]

SHEET NUMBER

REVISION

T-2

1

RAW LAND SURVEY

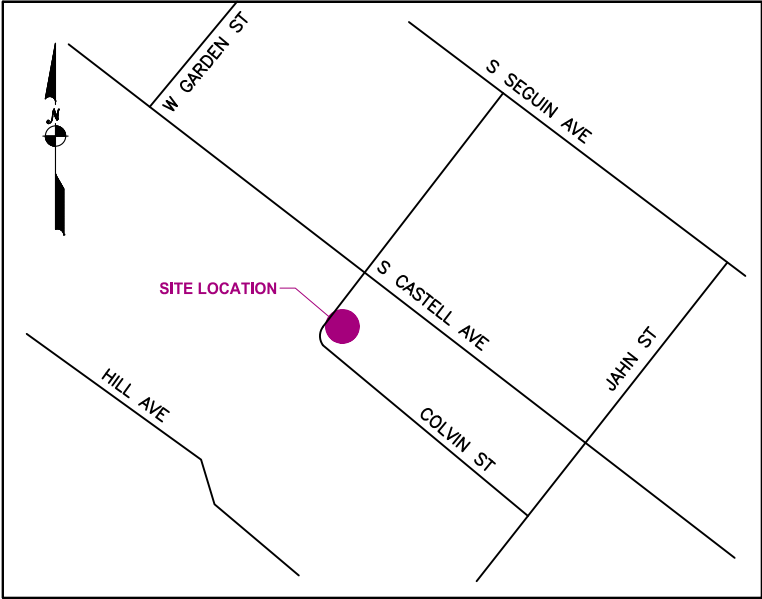
832287

COMMANDO

514 S CASTELL AVE
NEW BRAUNFELS TX 78130
COMAL COUNTY

VICINITY MAP

NOT TO SCALE



CONTENTS

COVER SHEET
PROPERTY OVERVIEW
ACCESS OVERVIEW
SITE OVERVIEW
LEGAL DESCRIPTIONS

SURVEY PROCEDURES & EQUIPMENT

THE ACCURACY OF THIS SURVEY MEETS OR EXCEEDS
THE MINIMUM STANDARDS AS REQUIRED BY [STATE
REQUIREMENTS FOR BOUNDARY SURVEYS].
INSTRUMENTS USED:

-TOPCON GT500
-CARLSON BR6

COORDINATES

For internal use

LABEL	LAT, LONG
MON 1 / POC	29°41'53.84", -98°07'13.02"

AREA SUMMARY

AREA	SQ. FT.	ACRES
PARENT PARCEL	6375	0.15
TOWER EASEMENT	1600	0.04
ACCESS/UTILITY EASEMENT	153	0.004

ABBREVIATIONS

POC	POINT OF COMMENCEMENT
POB	POINT OF BEGINNING
ROW	RIGHT OF WAY

LEGEND

Additional Land		IP / Rebar Monu		Transformer (Aerial)	
Building		IP / Rebar Monu- Found		Transformer Pad	
Asphalt Pavement		Cased Monu			
Contour - Major		Cased Monu - Found			
Contour - Minor					
Easement					
Guiderail		Traverse Point		Catch Basin	
Jurisdiction Line		Survey Point			
Property Line				Inlet	
Property Tie		Gravel			
Parent Property		Dirt		Culvert	
Tower Easement		Concrete			
Right of Way		Retaining Wall		Utility Vault	
Setback		Stairs			
Treeline		Door / Gate		Manhole	
Wetland		Double Door / Gate		Handhole	
Railroad Tracks		Gate - Sliding		Pull box	
Centerline		Signs		Pedestal	
Road Centerline		Mailbox			
Stream		Column		Riser	
Stream (Directional)		Utility Pole		Meter	
Ditch		Guyed Pole		Valve	
Channel		Pole		Cleanout	
Fence		Bollard		Junction Box	
Cable UG		Fire Hydrant		Pump Station	
Combined Sewer		Flag Pole		Utility Box	
Cable TV & Elec		Shrub		Controller	
Cable TV & Elec UG		Tree - Palm			
Cable, Elec, & Tele		Tree - Coniferous		HVAC	
Cable, Elec, & Tele UG		Tree - Deciduous		Generator	
Electric		Metal Platform			
Electric UG		Fuel Tanks			
Fiber					
Fiber UG					
Gas					
Sewer					
Storm					
Telephone					
Telephone UG					
Unknown Utility					
Water					
Topo - High Point					
Topo - Low Point					
Breakline					
Match line					
Property Tie					
		Traffic Signal Controller			

SURVEY PERFORMED FOR:



2000 Corporate Drive
Canonsburg, PA 15317

SURVEY COORDINATED BY

GEOLINE SURVEYING, INC.
13430 NW 10th Terrace, Suite A, Alachua, FL 32615
Tele: (386) 418-0500 | Fax: (386) 462-9986

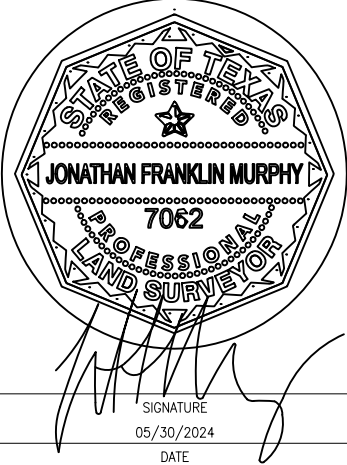
SURVEY PERFORMED BY:

JONATHAN MURPHY LAND SURVEYOR
4650 PARAGON PARK RD, RALEIGH, NC 27616
TELE: (919) 787-7873 | FAX: (919) 400-4442

DRAWN BY: BWN	CHK BY: EMC	JOB NO.: 832287
----------------------	--------------------	------------------------

SURVEYOR'S CERTIFICATION:

SURVEYOR NAME: JONATHAN MURPHY TX FIRM NO. 10194850



ZONING:

M1-LIGHT INDUSTRIAL

FLOOD NOTE

THIS PARCEL OF LAND LIES WITHIN FLOOD ZONE X WHICH
IS NOT A SPECIAL FLOOD HAZARD AREA AS PER F.I.R.M
PANEL NUMBER: 48091C0455F, EFFECTIVE DATE: 09/02/2009

BEARING BASIS

TX GRID (SOUTH CENTRAL ZONE) NAD83

NOTES:

1. SURVEY PERFORMED ON 03/20/2024.
2. DATA PROJECTED IN STATE PLANE COORDINATE SYSTEM [NAD83], WITH [NAVDS88] VERTICAL DATUM. ESPG CODE 2278
3. NO SUBSURFACE INVESTIGATION WAS PERFORMED TO LOCATE UNDERGROUND UTILITIES. UTILITIES SHOWN HEREON ARE LIMITED TO AND ARE PER OBSERVED EVIDENCE ONLY.
4. ALL VISIBLE TOWER EQUIPMENT AND IMPROVEMENTS ARE CONTAINED WITHIN THE DESCRIBED AREA, UNLESS OTHERWISE NOTED HEREON.
5. NOT ALL SYMBOLS ARE DEPICTED TO SCALE.
6. THIS SURVEY DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT PARCEL.

REV	DATE	DESCRIPTION	DRWN
1	XX/XX/XXXX	X	X
2	XX/XX/XXXX	X	X
3	XX/XX/XXXX	X	X

SITE INFORMATION:

Name	COMMANDO
BUN	832287
Address	514 S CASTELL AVE NEW BRAUNFELS, TX 78130
County	COMAL COUNTY

RAW LAND SURVEY

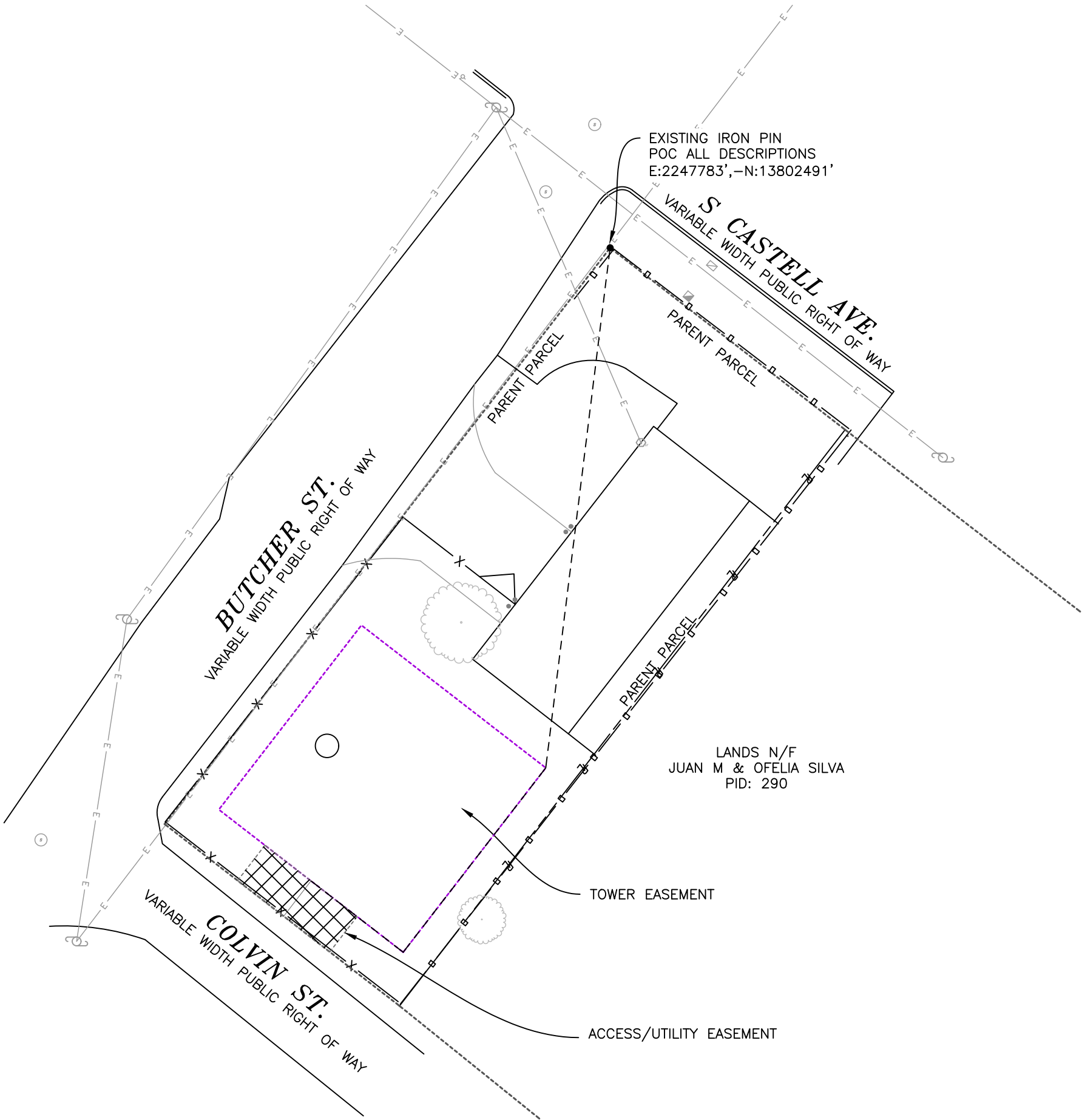
SHEET: COVER SHEET

PARENT PARCEL INFORMATION:
OWNER: HEART OF THE FAMILY ASSISTANCE, INC.
A TEXAS CORPORATION
514 S CASTELL AVE,
NEW BRAUNFELS, TX 78130
PARCEL ID #: 289
NEW CITY BLOCK 1022, BLOCK 11, LOT 1
DEED 202206033212
PLAT VOL 47, PAGE 448

FAA 1-A INFORMATION:

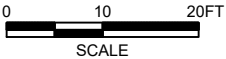
LATITUDE: 29° 41' 52.99" N
LONGITUDE: 98° 07' 13.58" W

GROUND ELEVATION AT BASE OF
PROPOSED TOWER 625.2'

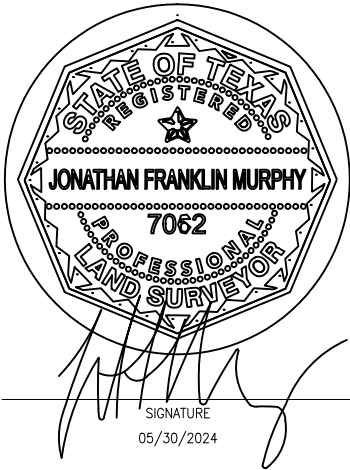


AREA SUMMARY

AREA	SQ. FT.	ACRES
PARENT PARCEL	6375	0.15
TOWER EASEMENT	1600	0.04
ACCESS/UTILITY EASEMENT	153	0.004



SURVEYOR NAME: JONATHAN MURPHY TX FIRM NO. 10194850



SURVEY PERFORMED FOR:



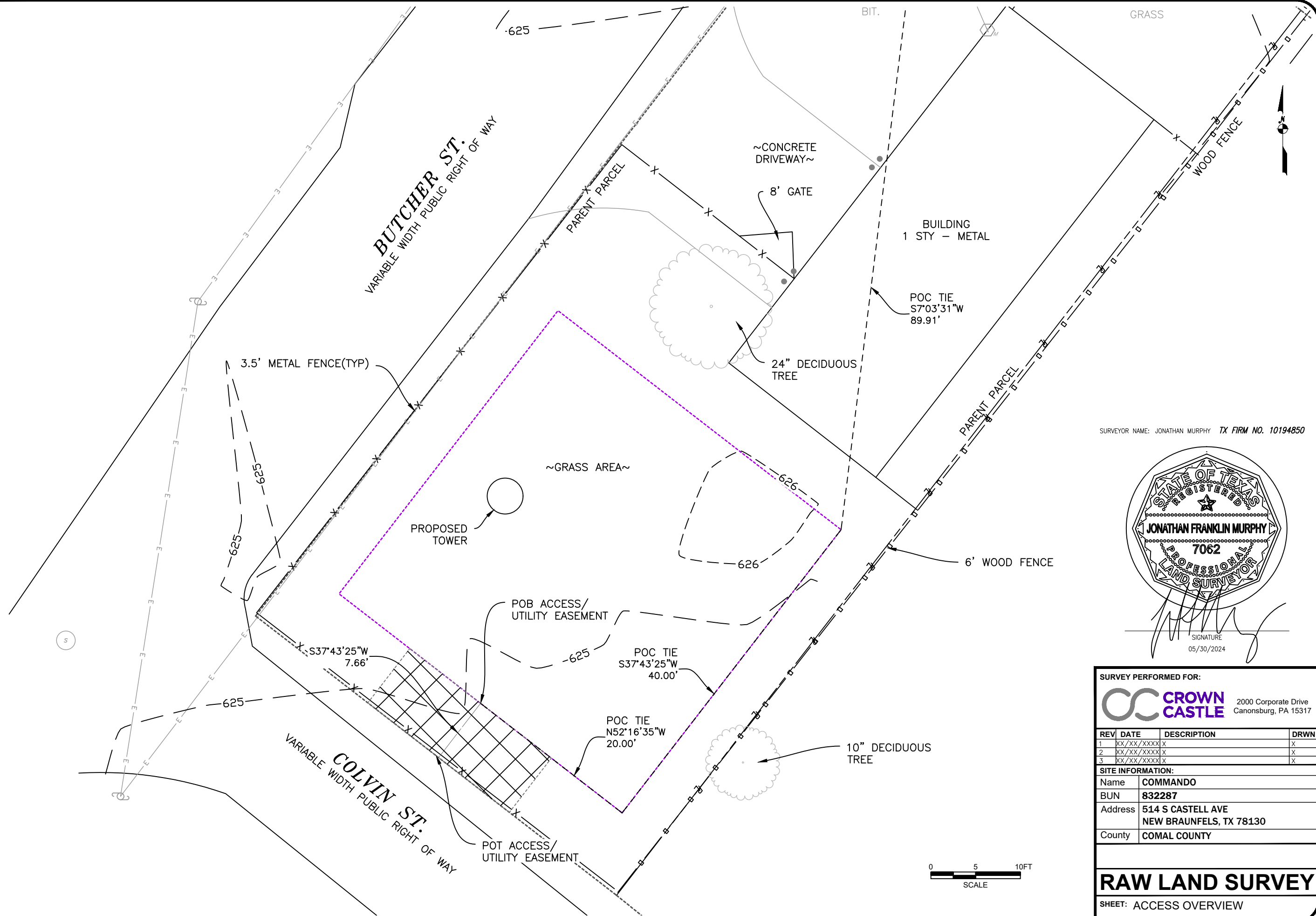
REV	DATE	DESCRIPTION	DRWN
1	XX/XX/XXXX	X	X
2	XX/XX/XXXX	X	X
3	XX/XX/XXXX	X	X

SITE INFORMATION:

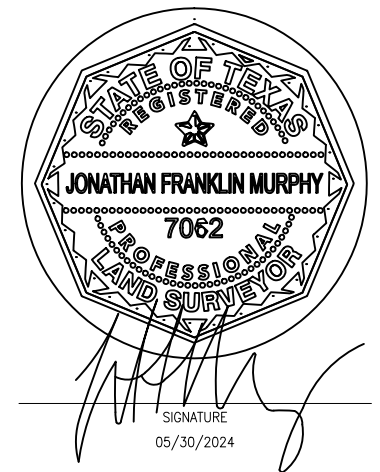
Name	COMMANDO
BUN	832287
Address	514 S CASTELL AVE NEW BRAUNFELS, TX 78130
County	COMAL COUNTY

RAW LAND SURVEY

SHEET: PROPERTY OVERVIEW



SURVEYOR NAME: JONATHAN MURPHY TX FIRM NO. 10194850



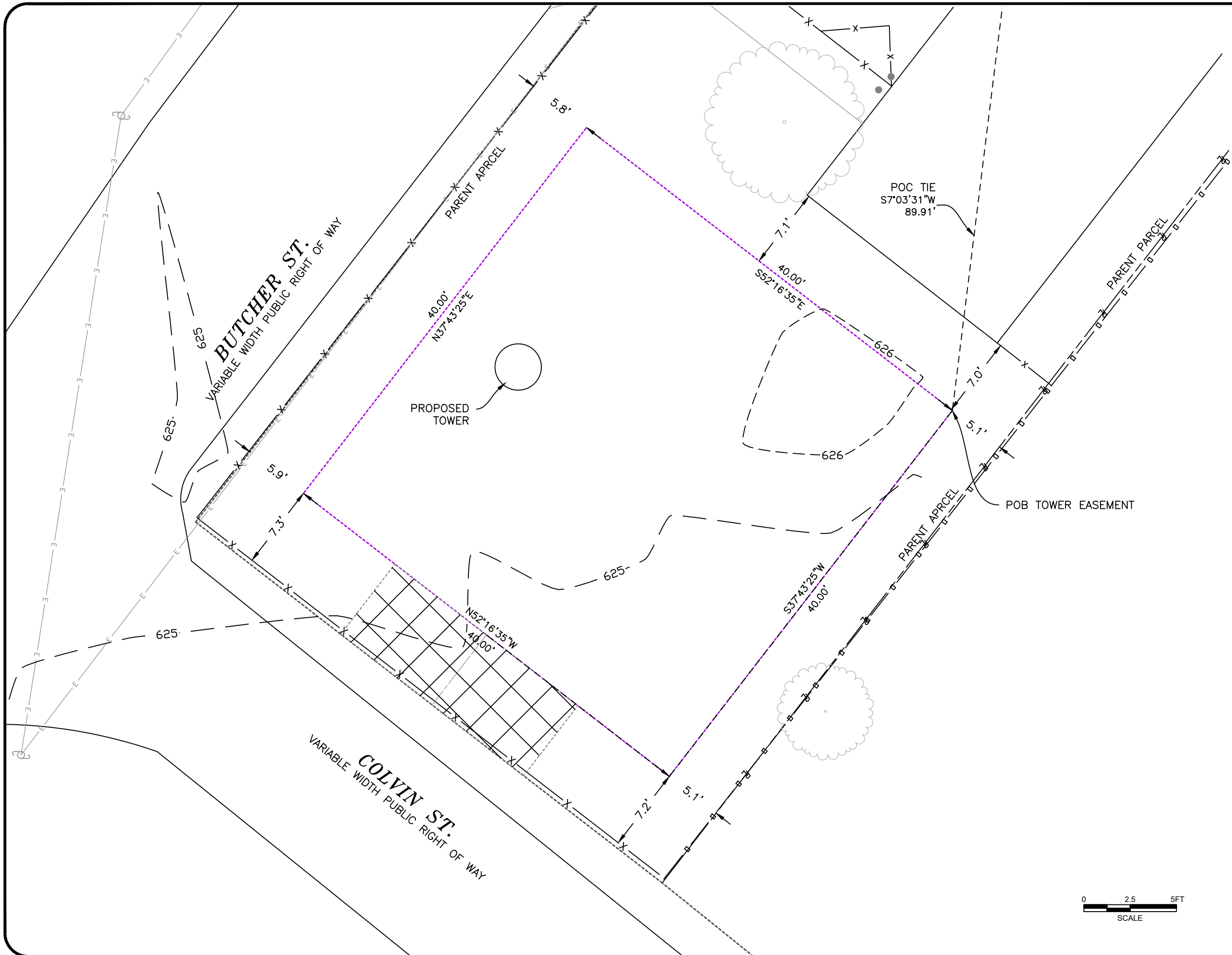
SURVEY PERFORMED FOR:
CROWN CASTLE 2000 Corporate Drive
Canonsburg, PA 15317

REV	DATE	DESCRIPTION	DRWN
1	XX/XX/XXXX	X	X
2	XX/XX/XXXX	X	X
3	XX/XX/XXXX	X	X

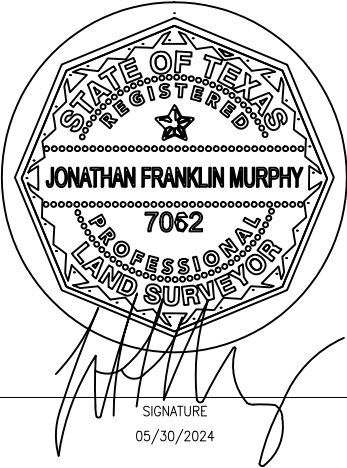
SITE INFORMATION:	
Name	COMMANDO
BUN	832287
Address	514 S CASTELL AVE NEW BRAUNFELS, TX 78130
County	COMAL COUNTY

RAW LAND SURVEY

SHEET: ACCESS OVERVIEW



SURVEYOR NAME: JONATHAN MURPHY TX FIRM NO. 10194850



SURVEY PERFORMED FOR:

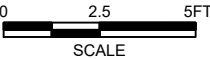
CROWN CASTLE 2000 Corporate Drive
Canonsburg, PA 15317

REV	DATE	DESCRIPTION	DRWN
1	XX/XX/XXXX	X	X
2	XX/XX/XXXX	X	X
3	XX/XX/XXXX	X	X

SITE INFORMATION:	
Name	COMMANDO
BUN	832287
Address	514 S CASTELL AVE NEW BRAUNFELS, TX 78130
County	COMAL COUNTY

RAW LAND SURVEY

SHEET: SITE OVERVIEW



LEGAL DESCRIPTION: TOWER EASEMENT (CREATED BY THIS OFFICE)

A PORTION OF ALL THAT CERTAIN PARCEL OF LAND LYING IN THE TOWN OF NEW BRAUNFELS, COUNTY OF COMAL, STATE OF TEXAS, DESCRIBED IN DEED 202206033212, FURTHER DESCRIBED AS:

COMMENCING FROM AN EXISTING IRON PIN FOUND ON THE NORTHERN MOST PROPERTY CORNER OF SAID PROPERTY, ALSO LYING ON THE EASTERN RIGHT OF WAY OF BUTCHER STREET, A DEDICATED PUBLIC RIGHT OF WAY, AND HAVING TEXAS SOUTH STATE PLANE COORDINATES E:2247783' -AND- N:13802491';

THENCE, DEPARTING SAID RIGHT OF WAY, S 07° 03' 31" W FOR A DISTANCE OF 89.91 FEET TO THE POINT OF BEGINNING;

THENCE, S 37° 43' 25" W FOR A DISTANCE OF 40.00 FEET TO A POINT;

THENCE, N 52° 16' 35" W FOR A DISTANCE OF 40.00 FEET TO A POINT;

THENCE, N 37° 43' 25" E FOR A DISTANCE OF 40.00 FEET TO A POINT;

THENCE, S 52° 16' 35" E FOR A DISTANCE OF 40.00 FEET THE POINT OF BEGINNING CONTAINING 1,600 SQFT -OR- 0.04 ACRES.

LEGAL DESCRIPTION: ACCESS/UTILITY EASEMENT (CREATED BY THIS OFFICE)

A PORTION OF ALL THAT CERTAIN PARCEL OF LAND LYING IN THE TOWN OF NEW BRAUNFELS, COUNTY OF COMAL, STATE OF TEXAS, DESCRIBED IN DEED 202206033212, FURTHER DESCRIBED AS:

COMMENCING FROM AN EXISTING IRON PIN FOUND ON THE NORTHERN MOST PROPERTY CORNER OF SAID PROPERTY, ALSO LYING ON THE EASTERN RIGHT OF WAY OF BUTCHER STREET, A DEDICATED PUBLIC RIGHT OF WAY, AND HAVING TEXAS SOUTH STATE PLANE COORDINATES E:2247783' -AND- N:13802491';

THENCE, DEPARTING SAID RIGHT OF WAY, S 07° 03' 31" W FOR A DISTANCE OF 89.91 FEET TO A POINT;

THENCE, N 52° 16' 35" W FOR A DISTANCE OF 31.35 FEET TO THE BEGINNING OF A CENTERLINE FOR A 20 FOOT WIDE ACCESS/UTILITY EASEMENT LYING 10 FEET OFF OF EITHER SIDE OF THE FOLLOWING DESCRIPTION;

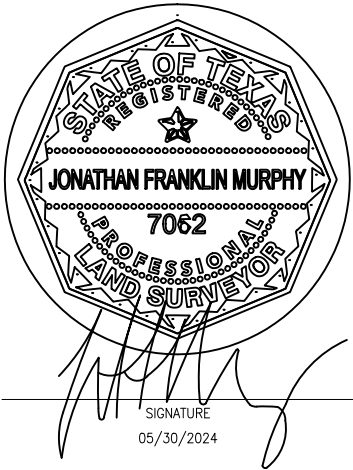
THENCE, N 37° 51' 46" E FOR A DISTANCE OF 24.35 FEET TO A POINT;

THENCE, N 52° 08' 34" W FOR A DISTANCE OF 14.57 FEET TO A POINT ON THE PREVIOUSLY MENTIONED RIGHT OF WAY, SAID POINT BEING THE POINT OF TERMINUS CONTAINING 778 SQFT -OR- 0.02 ACRES.

LEGAL DESCRIPTION: PARENT PARCEL (AS PROVIDED)

TRACT 12: ALL THAT CERTAIN TRACT OR PARCEL OF LAND LYING AND BEING SITUATED WITHIN THE CORPORATE LIMITS OF THE CITY OF NEW BRAUNFELS, COMAL COUNTY, TEXAS, BEING KNOWN AND DESIGNATED AS LOT 1, NEW CITY BLOCK 1022, JAHN ADDITION, ACCORDING TO MAP AND PLAT RECORDED IN VOLUME 47, PAGE 448, COMAL COUNTY, TEXAS DEED RECORDS.

SURVEYOR NAME: JONATHAN MURPHY TX FIRM NO. 10194850



SURVEY PERFORMED FOR:



REV	DATE	DESCRIPTION	DRWN
1	XX/XX/XXXX	X	X
2	XX/XX/XXXX	X	X
3	XX/XX/XXXX	X	X

SITE INFORMATION:

Name	COMMANDO
BUN	832287
Address	514 S CASTELL AVE NEW BRAUNFELS, TX 78130
County	COMAL COUNTY

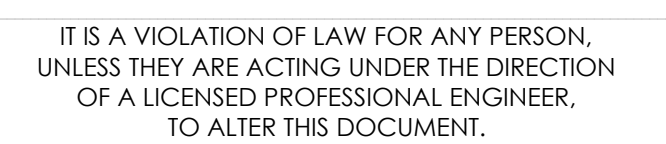
AS-BUILT SURVEY

SHEET: LEGAL DESCRIPTION



514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

ISSUED FOR:

[illegible]

Z-1.1

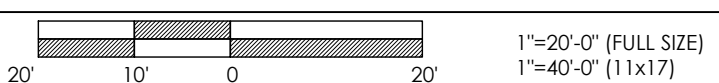
1



(1

ZONING MAP SITE PLAN

SCALE:

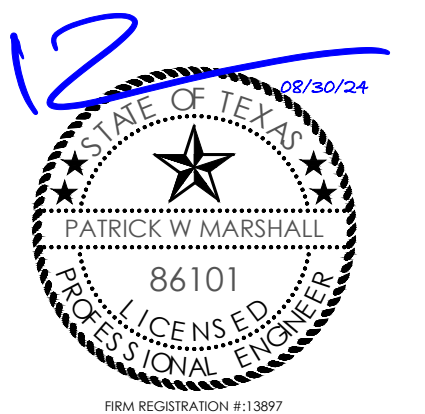


1"=20'-0" (FULL SIZE)
1"=40'-0" (11x17)



514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

ISSUED FOR:

[illegible]

SHEET NUMBER:

REVISION:

Z-1.2

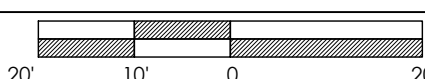
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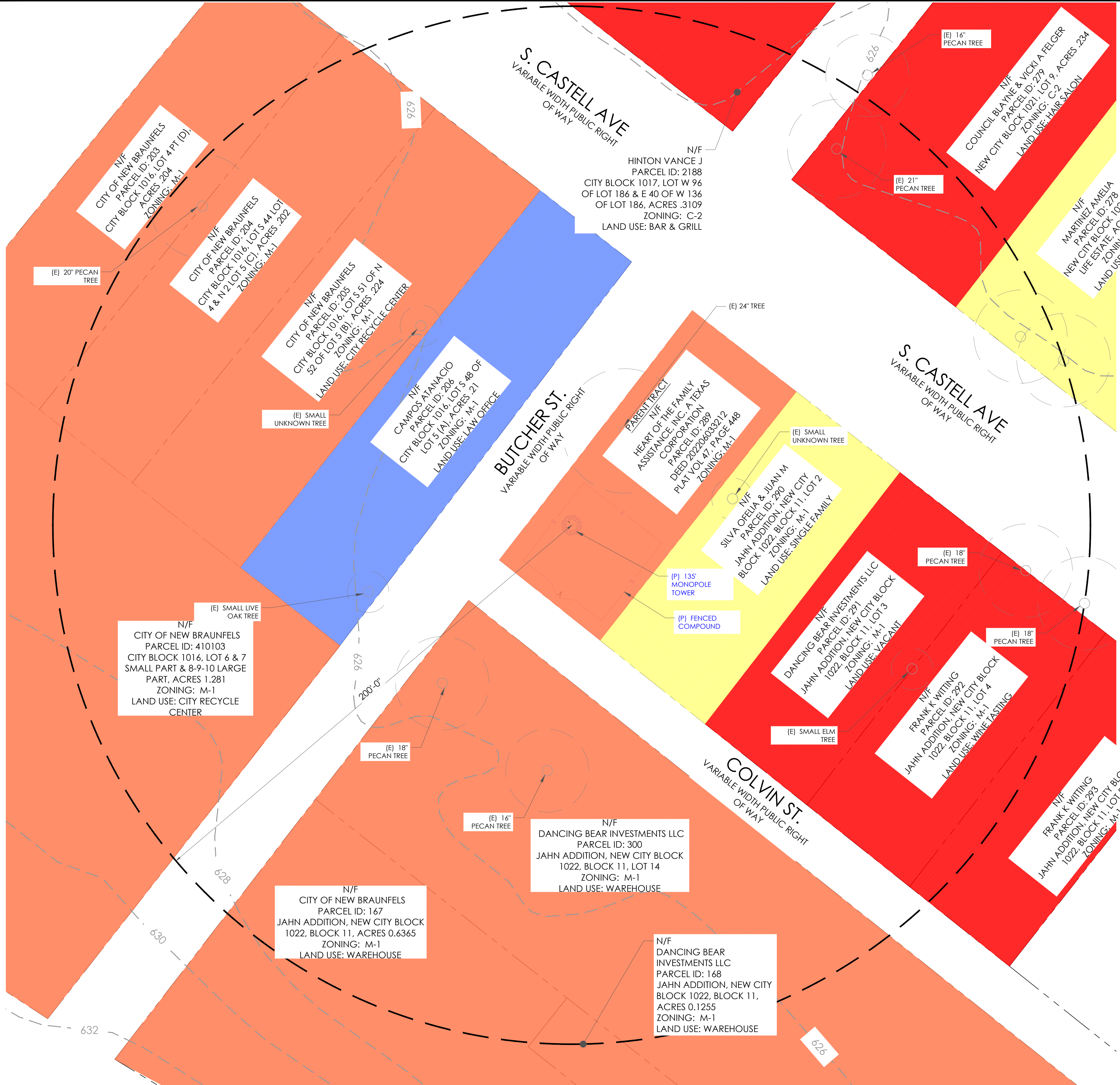
1 ZONING MAP SITE PLAN W/ AERIAL IMAGE

(1)

SCALE:



1"=20'-0" (FULL SIZE)
1"=40'-0" (11x17)



NOTE:
SURROUNDING TOPOGRAPHIC INFORMATION BASED OFF OF
CURRENT NEW BRAUNFELS GIS MAPS. SURROUNDING TREE
INFORMATION PROVIDED BY VINCENT GERARD & ASSOCIATES.



**CROWN
CASTLE**
8020 KATY FREEWAY
HOUSTON, TX 77024



P. MARSHALL & ASSOCIATES
6801 PORTWEST DR. STE 100,
HOUSTON, TX 77024
OFFICE 713-677-0964

BU #: **832287**
COMMANDO

514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

PROPOSED 135' MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	04/26/2024	DA	PRELIMINARY	DA
B	06/10/2024	DA	ADDRESSED COMMENTS	DA
0	06/14/2024	DA	FINAL ZDs	DA
1	08/30/2024	DA	PRE-APP MEETING COMMENT	DA
2	10/28/2024	DA	PRE-APP MEETING COMMENT	DA



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 NUMBER:
Z-1.3

REVISION:
2

LAND USE CATEGORIES

- INDUSTRIAL
- RETAIL
- SINGLE FAMILY
- OFFICE



LAND USE PLAN
SCALE: 1"=20'-0" (FULL SIZE)
1"=40'-0" (11x17)

THE SITE PLAN HAS BEEN DEVELOPED BASED ON A PRELIMINARY SITE SURVEY ENTITLED "RAWLAND SURVEY / 832287 / COMMANDO" BY GEOLINE SURVEYING.

N/F
 CITY OF NEW BRAUNFELS
 PARCEL ID: 205
 CITY BLOCK 1016, LOTS 51 OF
 N 52 OF LOT 5 (B), ACRES .224
 ZONING: M-1

N/F
CAMPOS ATANACIO
PARCEL ID: 206
CITY BLOCK 1016, LOT S 48 OF
LOT 5 (A), ACRES .21
ZONING: M-1

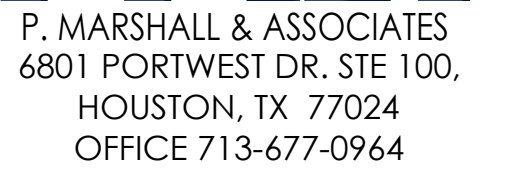
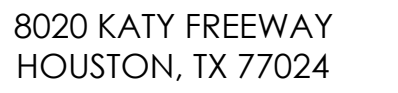
(E) UTILITY POLE
(TYP.)

(E) OVERHEAD
UTILITY LINE (TYP.)

(E) SANITARY
SEWER MANHOLE
(TYP.)

N/F
DANCING BEAR INVESTMENTS LLC
PARCEL ID: 300
JAHN ADDITION, NEW CITY BLOCK
1022, BLOCK 11, LOT 14
ZONING: M-1

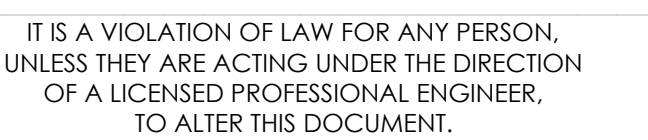
N/F
COUNCIL BLAYNE & VICKI A FELGER
PARCEL ID: 279
NEW CITY BLOCK 1021, LOT 9, ACRES .234
ZONING: C-2



BU #: **832287**
COMMANDO

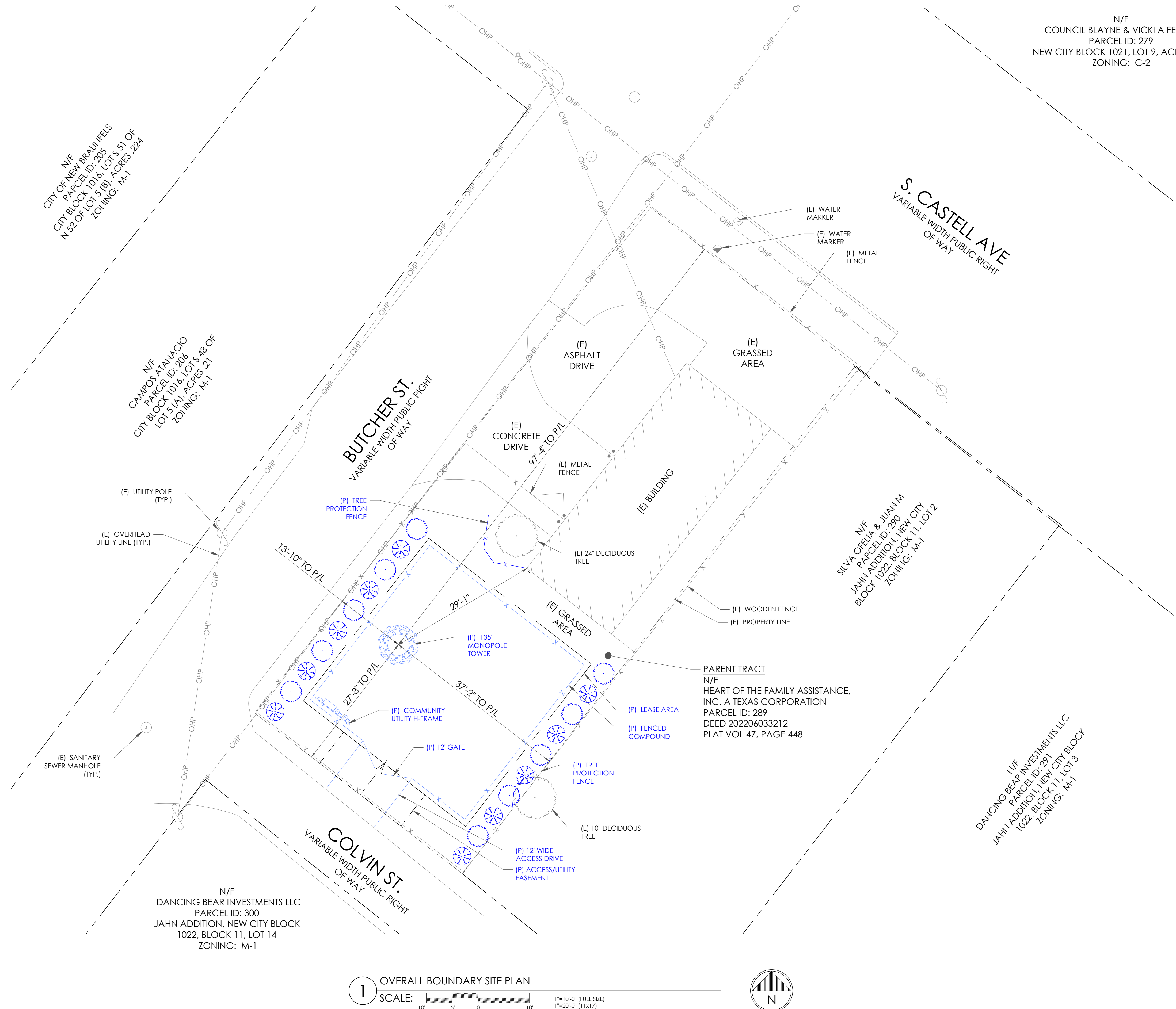
514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

PROPOSED 135' MONOPOLE

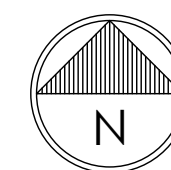
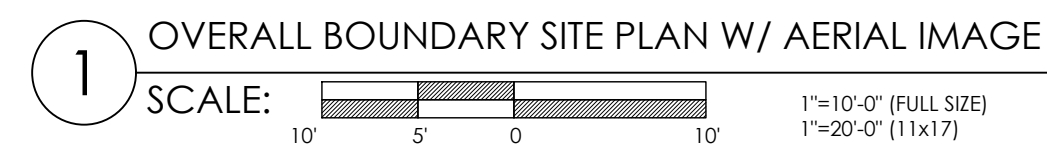
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C-1.1

2

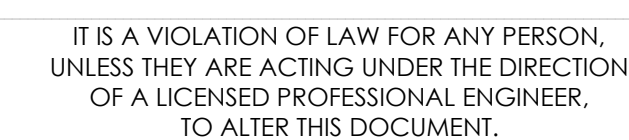


THE SITE PLAN HAS BEEN DEVELOPED BASED ON A PRELIMINARY SITE SURVEY ENTITLED "RAWLAND SURVEY / 832287 / COMMANDO" BY GEOLINE SURVEYING.



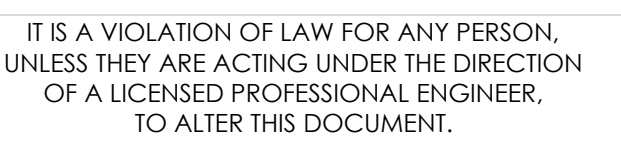
PROPOSED 135' MONOPOLE

	REV	DATE	DRWN	DESCRIPTION	DES./QA
	A	04/26/2024	DA	PRELIMINARY	DA
	B	06/10/2024	DA	ADDRESSED COMMENTS	DA
	C	06/14/2024	DA	FINAL ZDs	DA
	D	08/30/2024	DA	PRE-APP MEETING COMMENT	DA
	E	10/28/2024	DA	PRE-APP MEETING COMMENT	DA
	F				
	G				
	H				
	I				
	J				
	K				
	L				
	M				
	N				
	O				
	P				
	Q				
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	T				
	U				
	V				
	W				
	X				
	Y				
	Z				

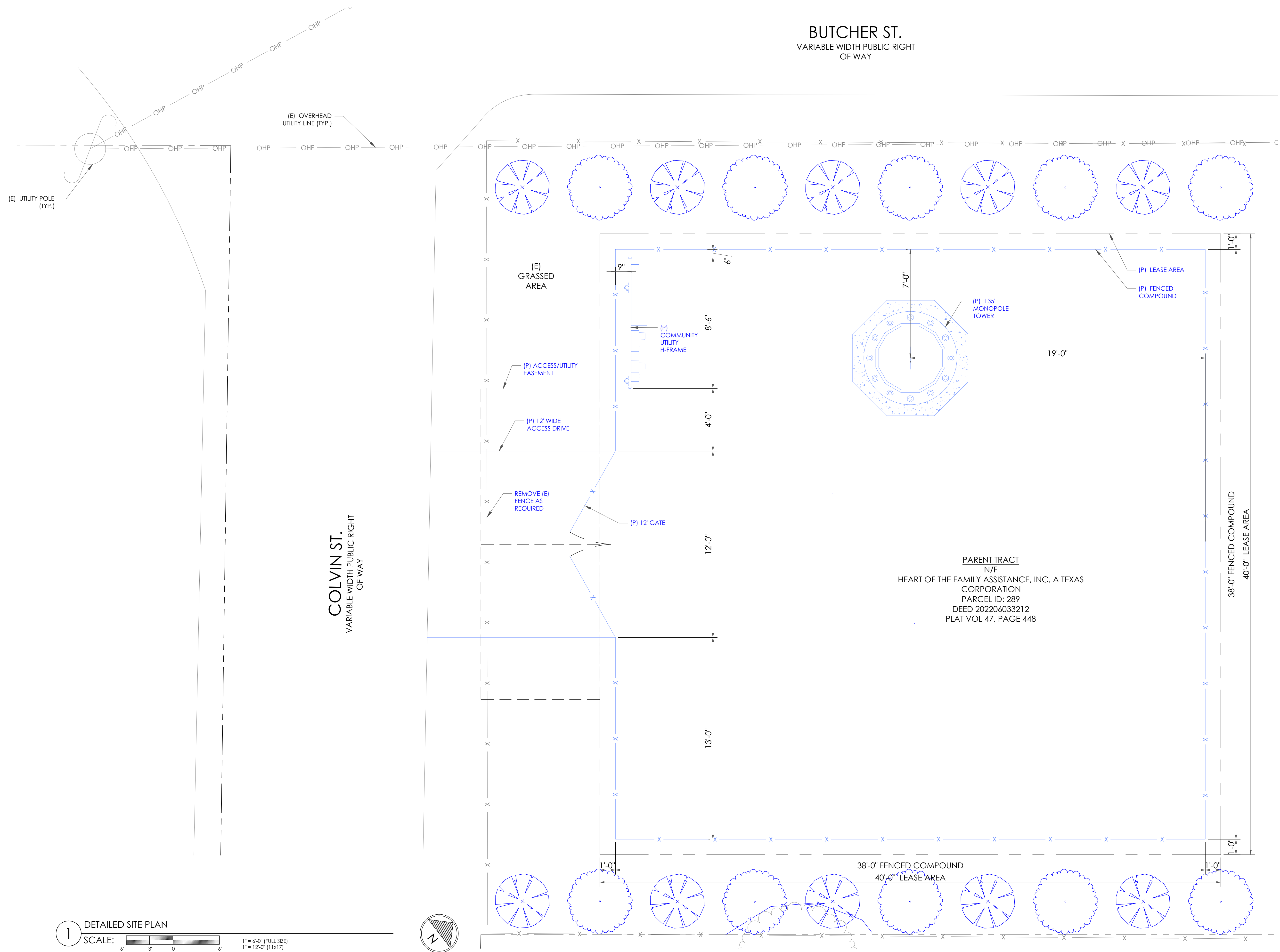


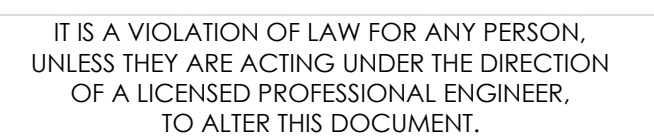
C-1.2

2

[illegible]

SHEET NUMBER: C-2	REVISION: 2
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[illegible]

REVISION:
1

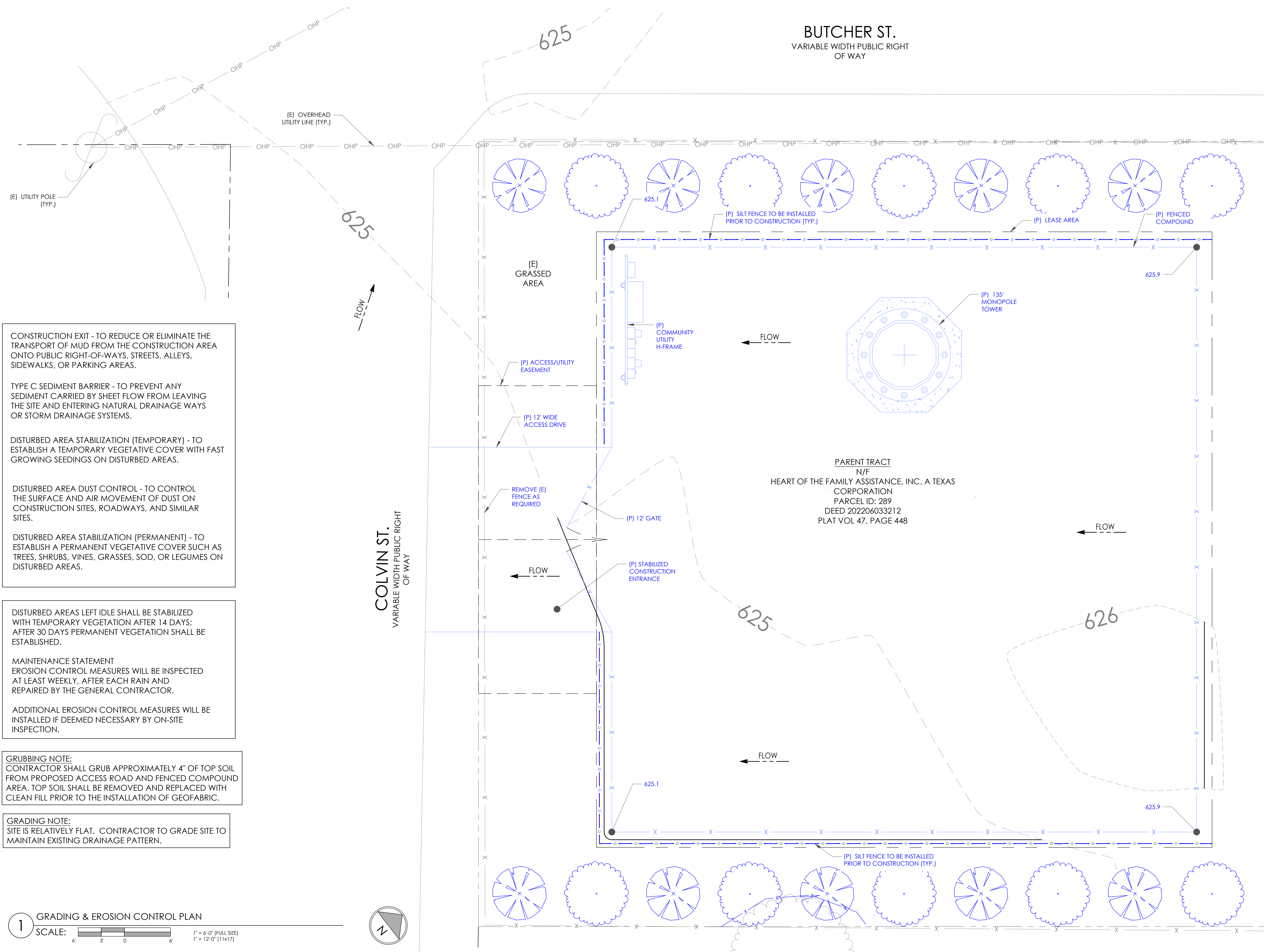


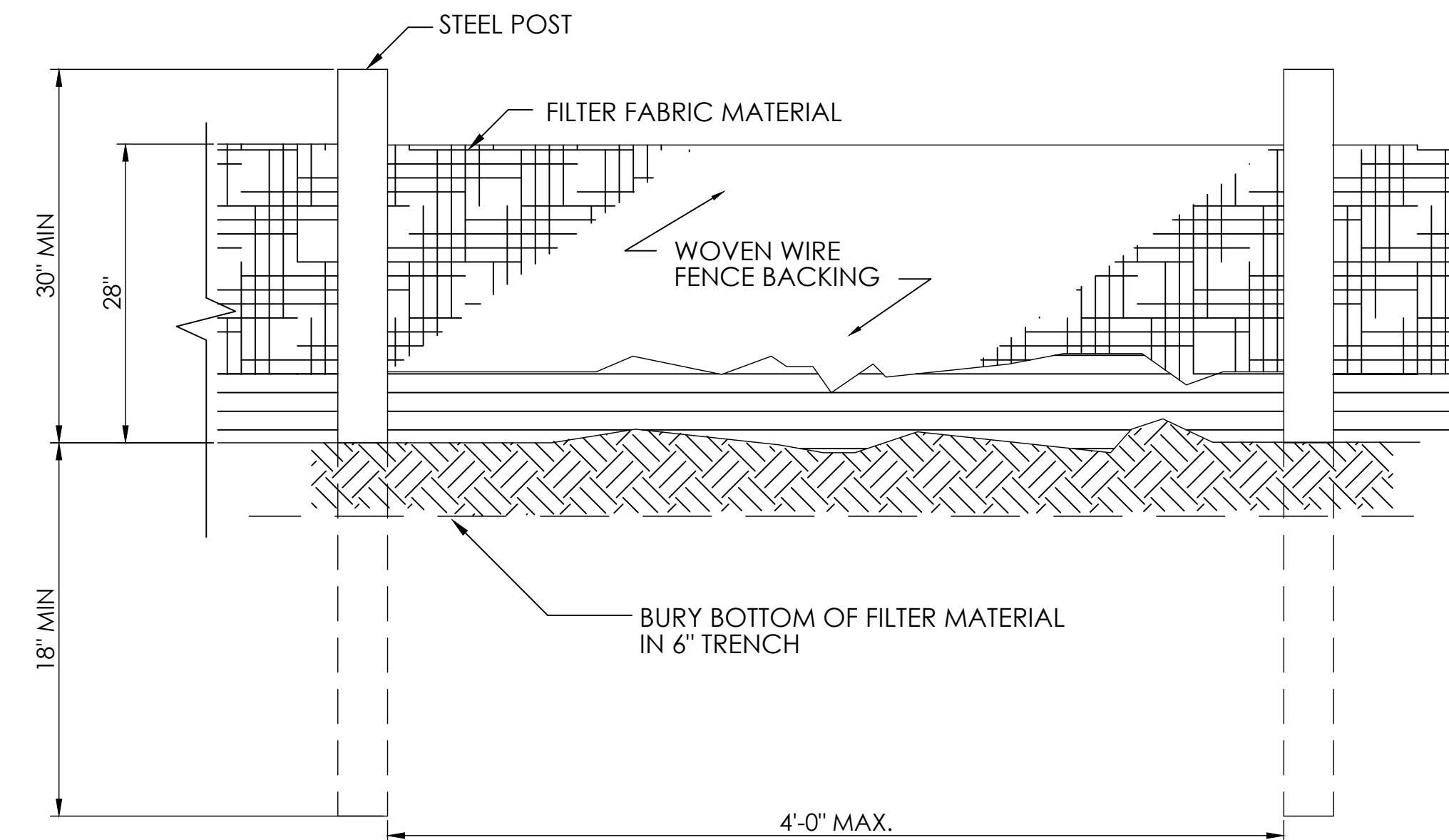


514 S CASTELL AVE
NEW BRAUNFELS, TX 78130
PROPOSED 135' MONOPOLE

[illegible]

SHEET NUMBER: C-4.1	REVISION: 2
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SILT FENCE, TYPE-C
NOT TO SCALE

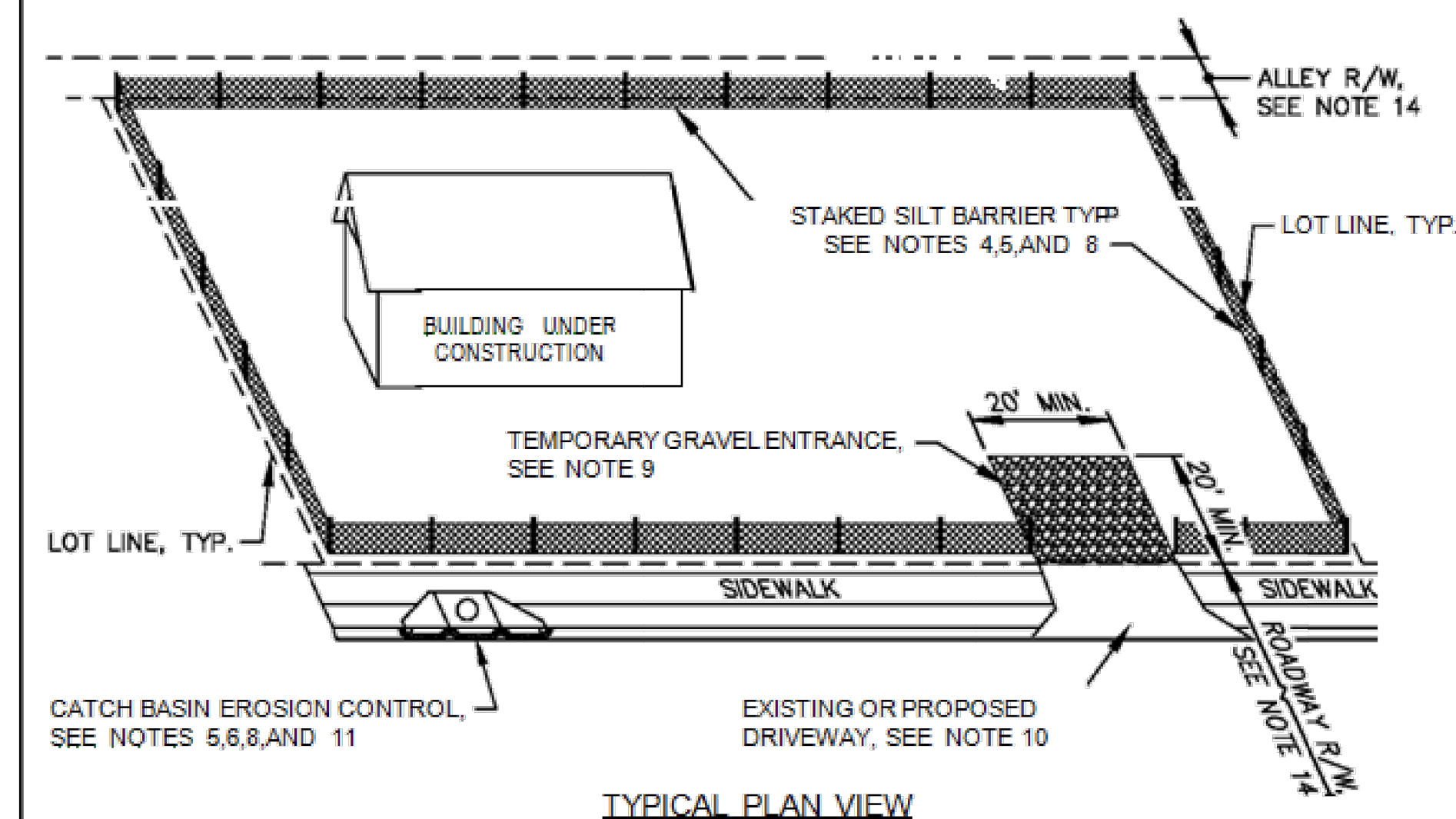


Diagram illustrating the cross-section of a compound detail, showing the layers and dimensions:

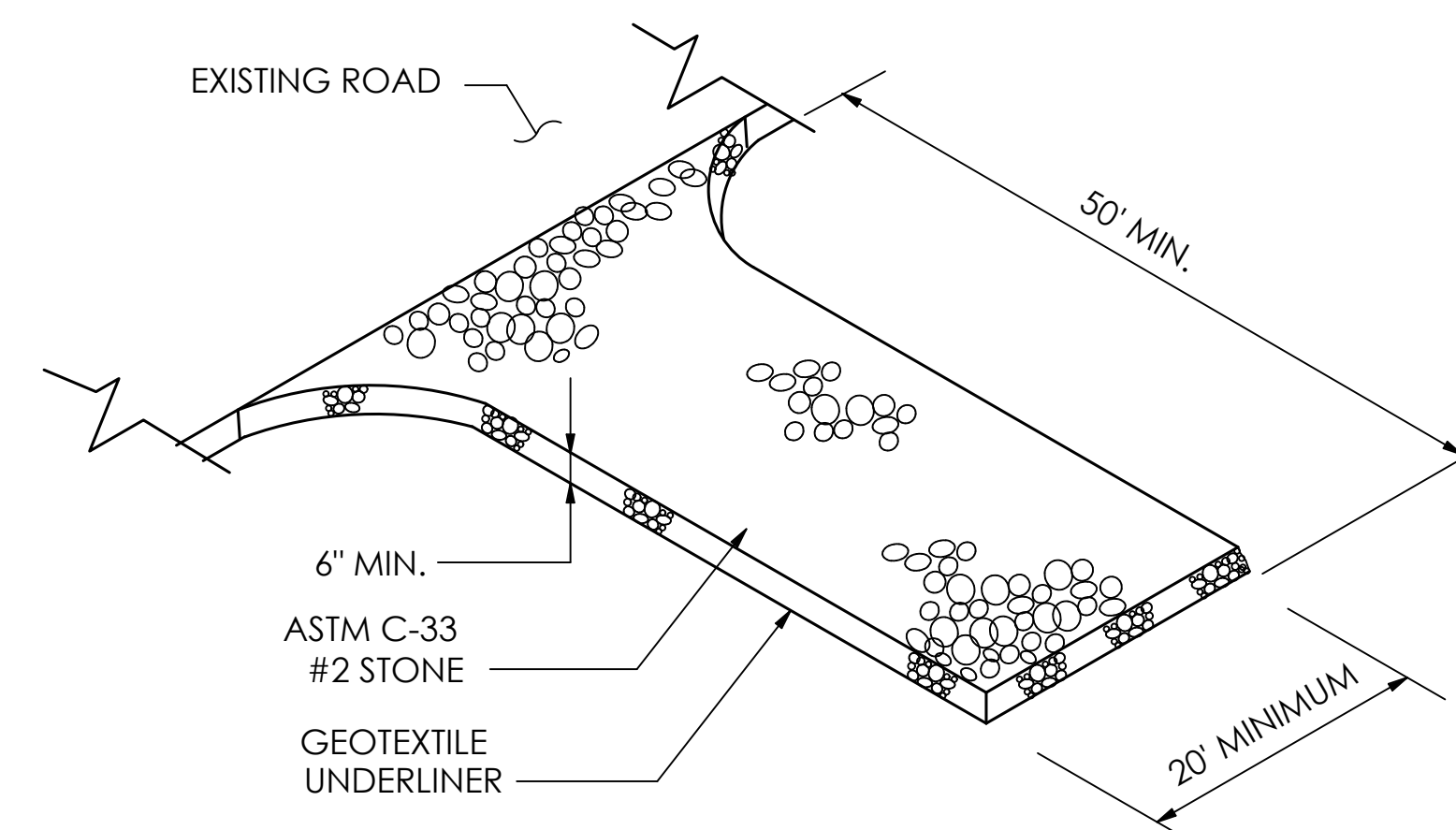
- 4" OF DGA STONE (1" OR SMALLER STONE WITH FINES AND DUST) COMPACTED TO 90% (RUN THROUGH PUG MILL OR ADD MOISTURE FOR PROPER COMPACTION)
- 4" #3 STONE (3" TO 4" STONE WITH FINES AND DUST) COMPACTED TO 80%
- CLASS 4 GEOTEXTILE MATERIAL "MIRAFI-500X" (OR EQUIVALENT)
- ±12" COMPACTED FILL
- RECOMPACTED GROUND

Dimensions and Slope:

- Top horizontal dimension: 12"
- Vertical dimension on the left: 6"
- Slope ratio: 2 horizontal to 1 vertical (2:1)
- Vertical dimension on the right: 6"

COMPOUND DETAILS
NOT TO SCALE

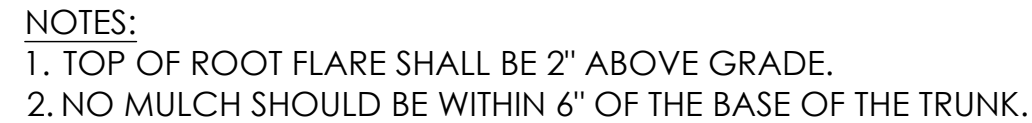
NOT TO SCALE



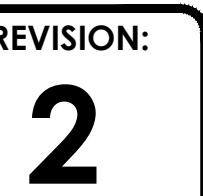
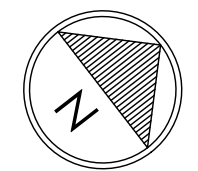
NOT TO SCALE



- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- ALL PLANTS MUST BE CONTAINER-GROWN OR BALLED AND BURLAPPED AS SPECIFIED.
- ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER'S REPRESENTATIVE BEFORE, DURING, AND AFTER INSTALLATION.
- ALL TREES MUST BE GUYED OR STAKED AS SHOWN.
- ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZATION, ETC.) OF PLANTING AREAS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE ENGINEER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT (1) YEAR BEGINNING AT THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- THE ENGINEER'S REPRESENTATIVE WILL APPROVE THE STAKED LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- ANY PLANT MATERIAL THAT DIES, TURNS BROWN OR DEFOOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL SPECIFICATIONS.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK", LATEST EDITION, REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- TOPPING TREES IS NOT ALLOWED. TREES REMOVED OR HAVING THEIR TOPS CUT AFTER COMPLIANCE WITH THIS GWINNETT COUNTY ORDINANCE SHALL BE REPLACED WITH THE EQUIVALENT INCHES OF REMOVED TREES.



1 LANDSCAPE PLAN
SCALE:  1" = 6'-0" (FULL SIZE)
1" = 12'-0" (11x17)





**CROWN
CASTLE**

PM&A
P. MARSHALL & ASSOCIATES

CROWN CASTLE SITE:
832287
COMMANDO

ADDRESS:
514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

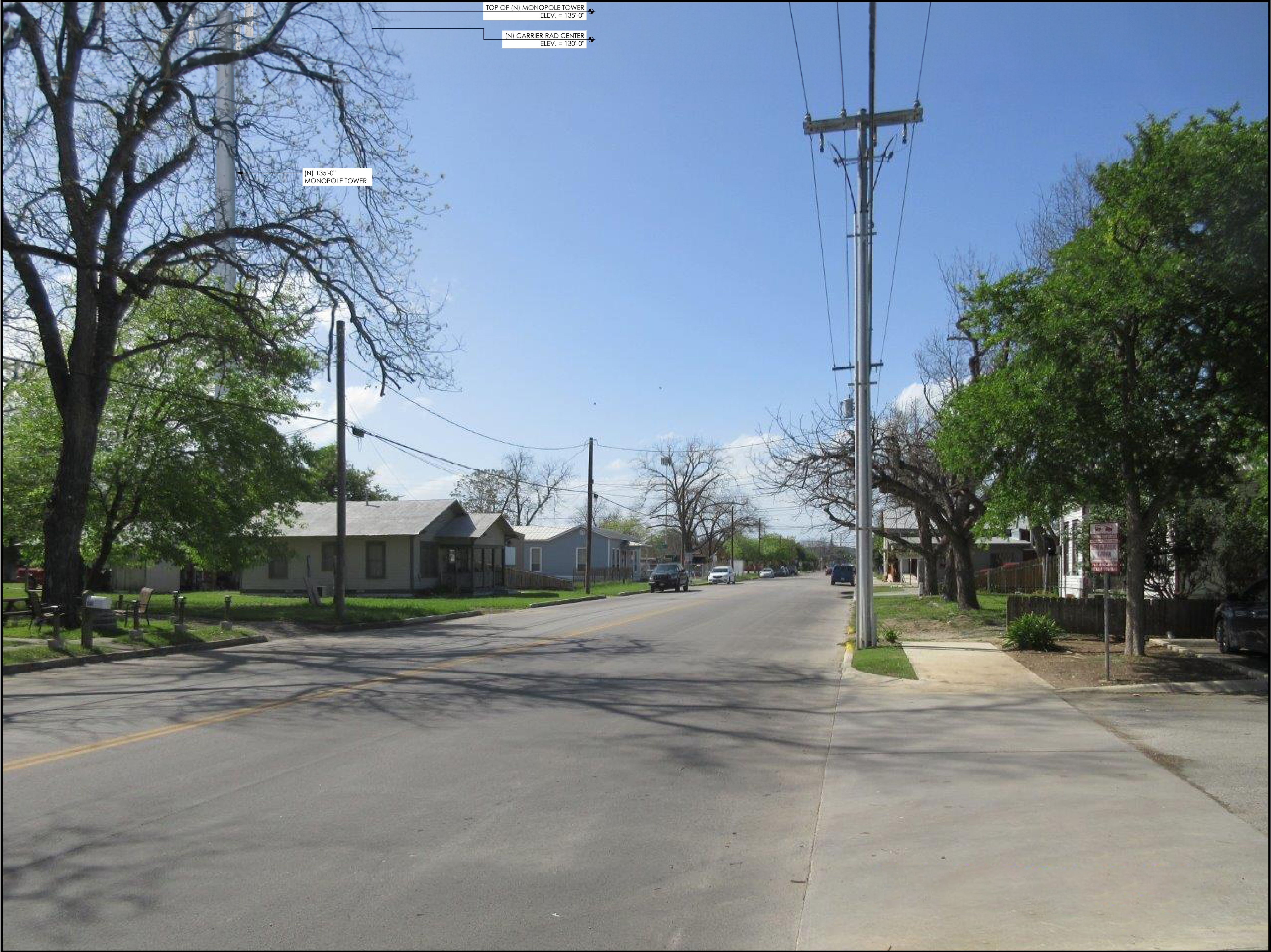
COORDINATES:
29.698034
-98.120425

SHEET TITLE:

TOWER CONFIGURATION
- EAST VIEW

SHEET NUMBER:

1 OF 6



NOTE:
THE SITE SHALL BE DESIGNED/CONSTRUCTED TO
CONFORM TO CURRENT EIA STANDARDS (2021 IBC).

2 PROPOSED VIEW
SCALE: NOT TO SCALE



CROWN CASTLE SITE:
832287
COMMANDO

ADDRESS:
514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

COORDINATES:
29.698034
-98.120425

SHEET TITLE:
TOWER CONFIGURATION
- EAST VIEW

SHEET NUMBER:
2 OF 6



CROWN CASTLE SITE:
832287
COMMANDO

ADDRESS:
514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

COORDINATES:
29.698034
-98.120425

SHEET TITLE:

TOWER CONFIGURATION
- NORTH VIEW

SHEET NUMBER:

3 OF 6



NOTE:
THE SITE SHALL BE DESIGNED/CONSTRUCTED TO
CONFORM TO CURRENT EIA STANDARDS (2021 IBC).

2 PROPOSED VIEW
SCALE: NOT TO SCALE



CROWN CASTLE SITE:
832287
COMMANDO

ADDRESS:
514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

COORDINATES:
29.698034
-98.120425

SHEET TITLE:

TOWER CONFIGURATION
- NORTH VIEW

SHEET NUMBER:

4 OF 6



1 EXISTING VIEW
SCALE: NOT TO SCALE

**CROWN
CASTLE**

PM&A
P. MARSHALL & ASSOCIATES

CROWN CASTLE SITE:
832287
COMMANDO

ADDRESS:
514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

COORDINATES:
29.698034
-98.120425

SHEET TITLE:

TOWER CONFIGURATION
- SOUTH VIEW

SHEET NUMBER:

5 OF 6



NOTE:
THE SITE SHALL BE DESIGNED/CONSTRUCTED TO
CONFORM TO CURRENT EIA STANDARDS (2021 IBC).

2 PROPOSED VIEW
SCALE: NOT TO SCALE

**CROWN
CASTLE**

PM&A
P. MARSHALL & ASSOCIATES

CROWN CASTLE SITE:
832287
COMMANDO

ADDRESS:
514 S CASTELL AVE
NEW BRAUNFELS, TX 78130

COORDINATES:
29.698034
-98.120425

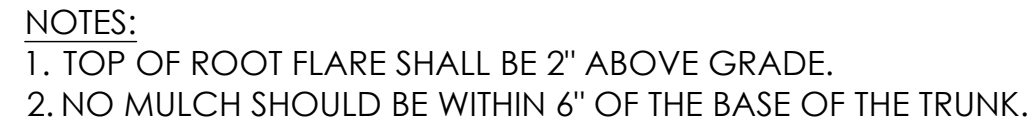
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TOWER CONFIGURATION
- SOUTH VIEW

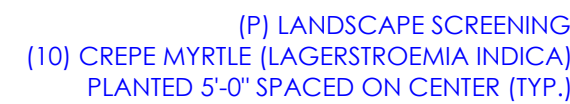
SHEET NUMBER:

6 OF 6

- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- ALL PLANTS MUST BE CONTAINER-GROWN OR BALLED AND BURLAPPED AS SPECIFIED.
- ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE ENGINEER'S REPRESENTATIVE BEFORE, DURING, AND AFTER INSTALLATION.
- ALL TREES MUST BE GUYED OR STAKED AS SHOWN.
- ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZATION, ETC.) OF PLANTING AREAS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE ENGINEER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT (1) YEAR BEGINNING AT THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- THE ENGINEER'S REPRESENTATIVE WILL APPROVE THE STAKED LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
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1 LANDSCAPE PLAN
SCALE:  1" = 6'-0" (FULL SIZE)
1" = 12'-0" (1/8"=1')





New Braunfels, TX Site Relocation RF Analysis

April 2024

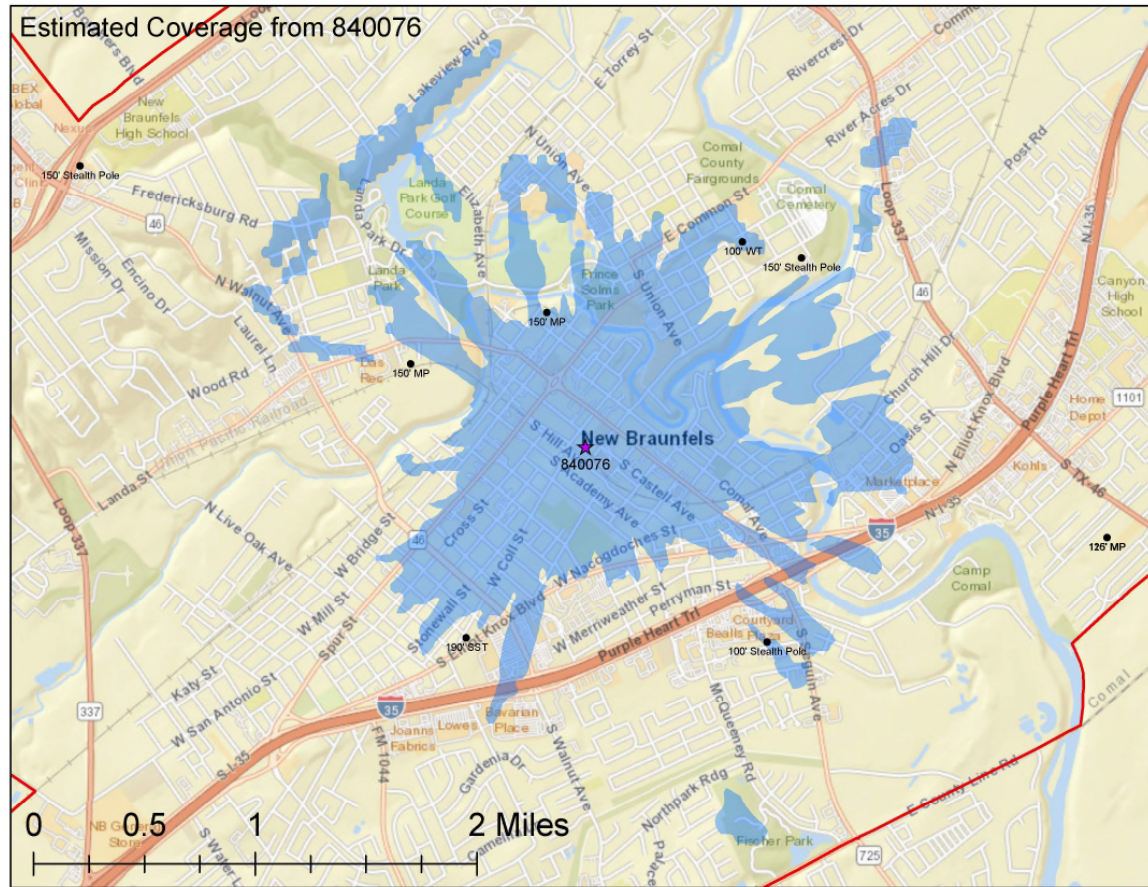
The pathway to possible.

PAGE

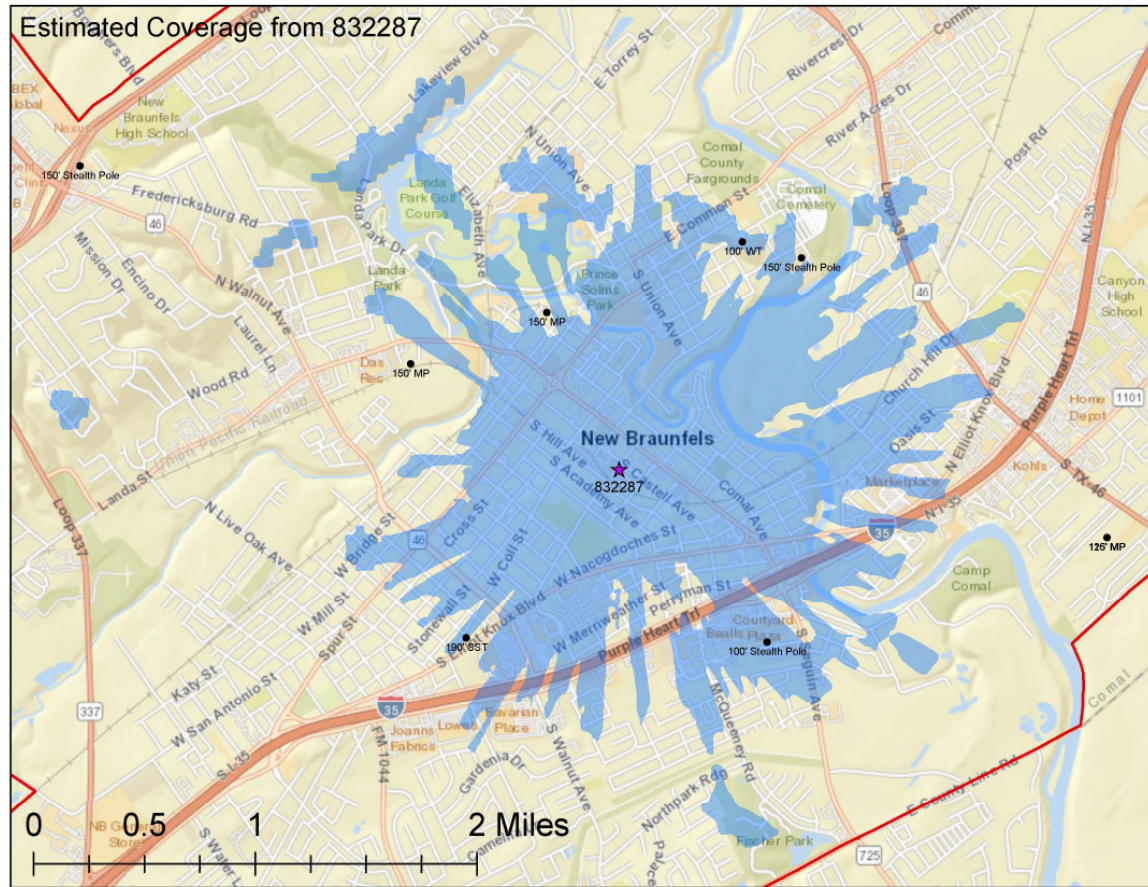
PROPRIETARY & CONFIDENTIAL

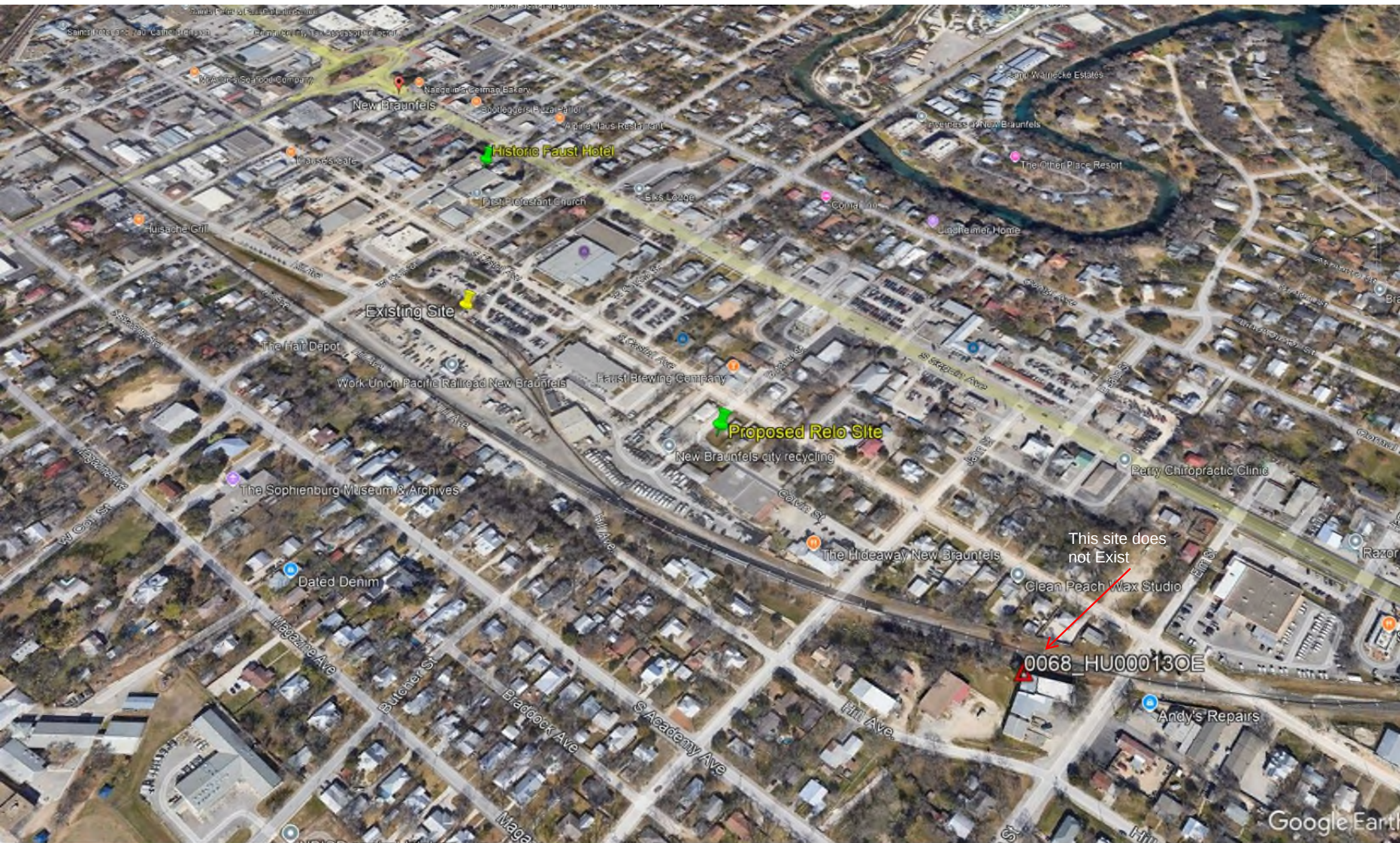


Estimated Current Coverage – 840076 (123')



Estimated Proposed Coverage – 832287 (136')





Closest Tower Exhibit - 855' East is the Relocation site NB City Hall

