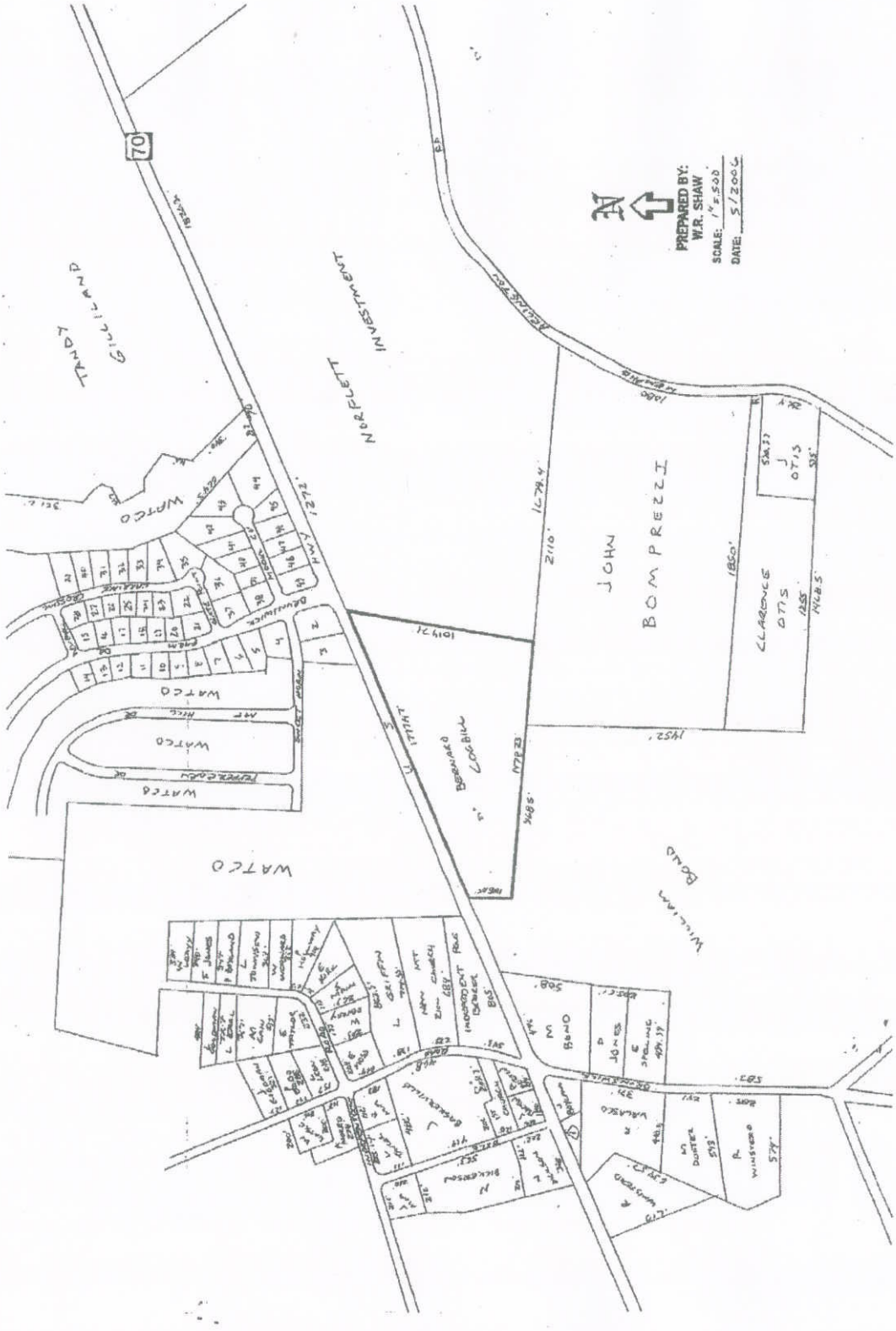


EXHIBIT A: VICINITY MAP

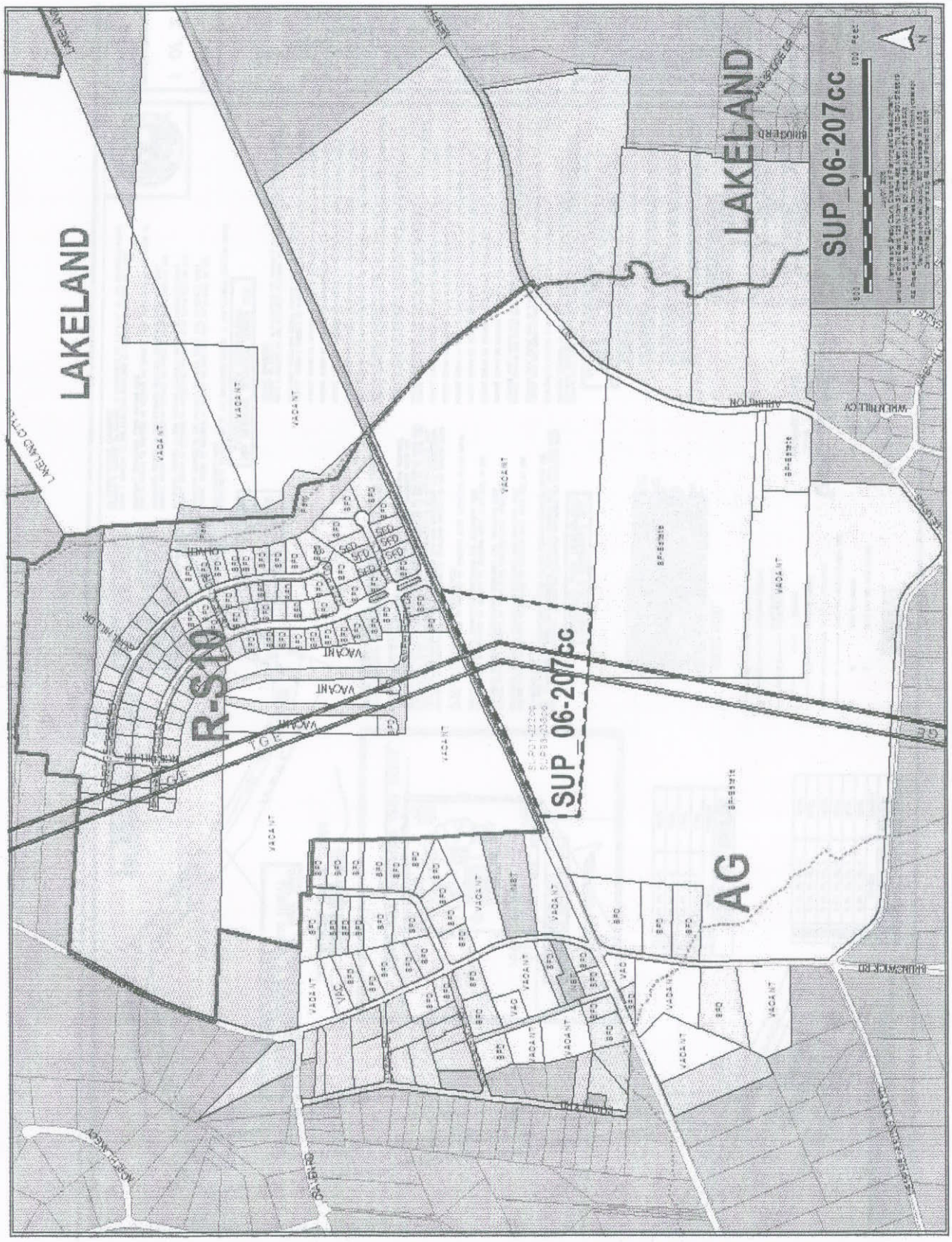


EXHIBIT B: LAND USE AND ZONING

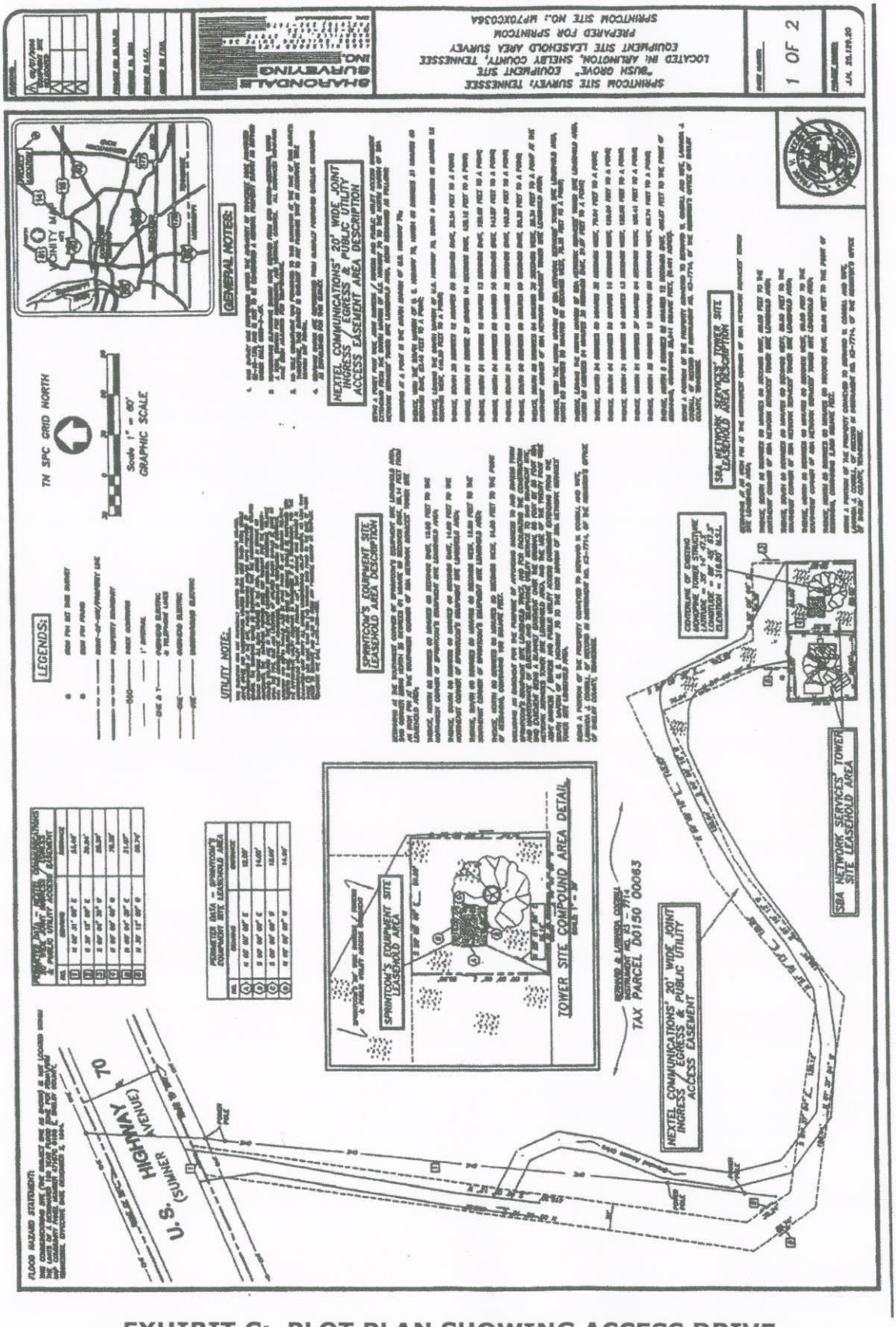


EXHIBIT C: PLOT PLAN SHOWING ACCESS DRIVE

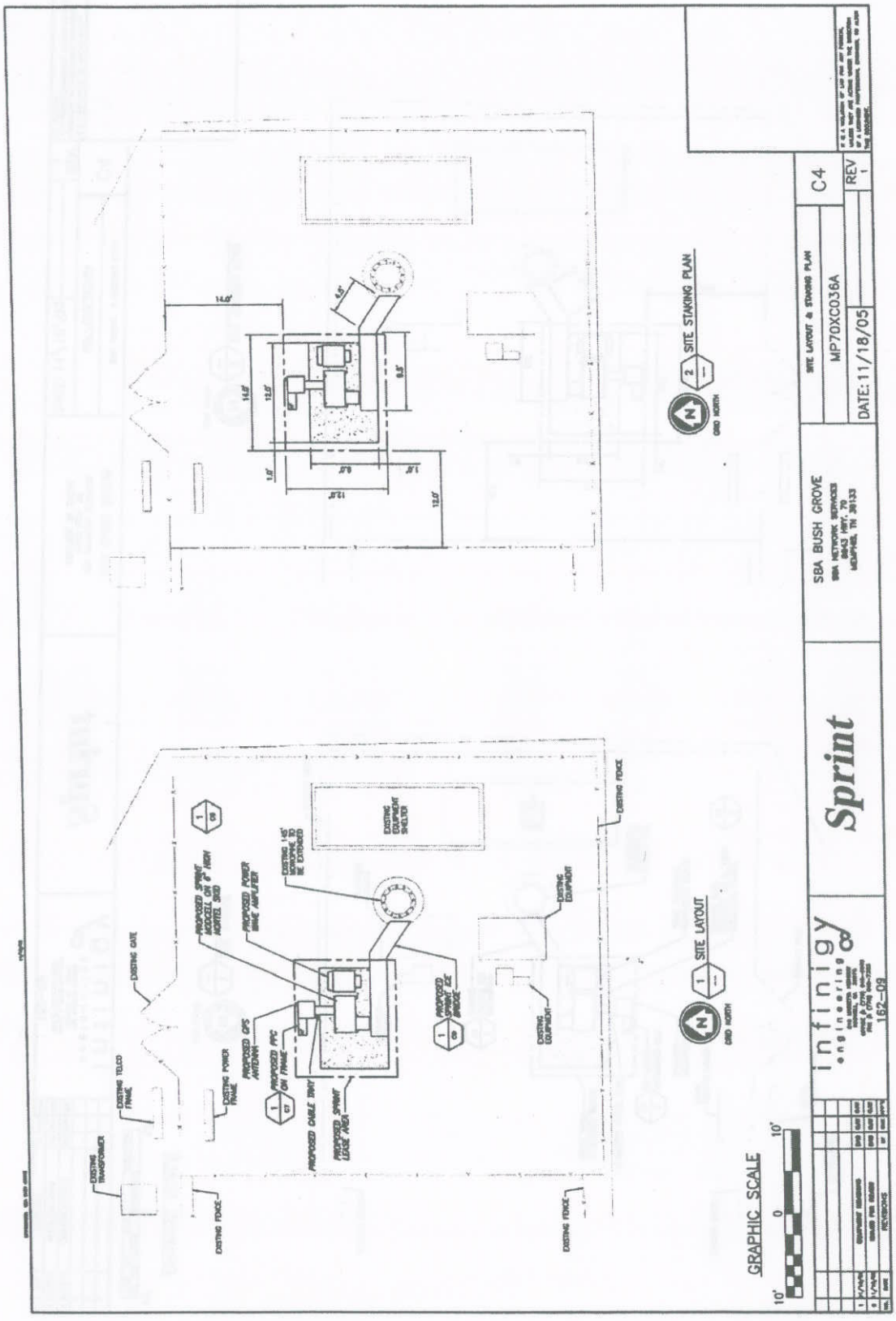


EXHIBIT D: LEASE PARCEL LAYOUT - INFINIGY DRAWING C-3

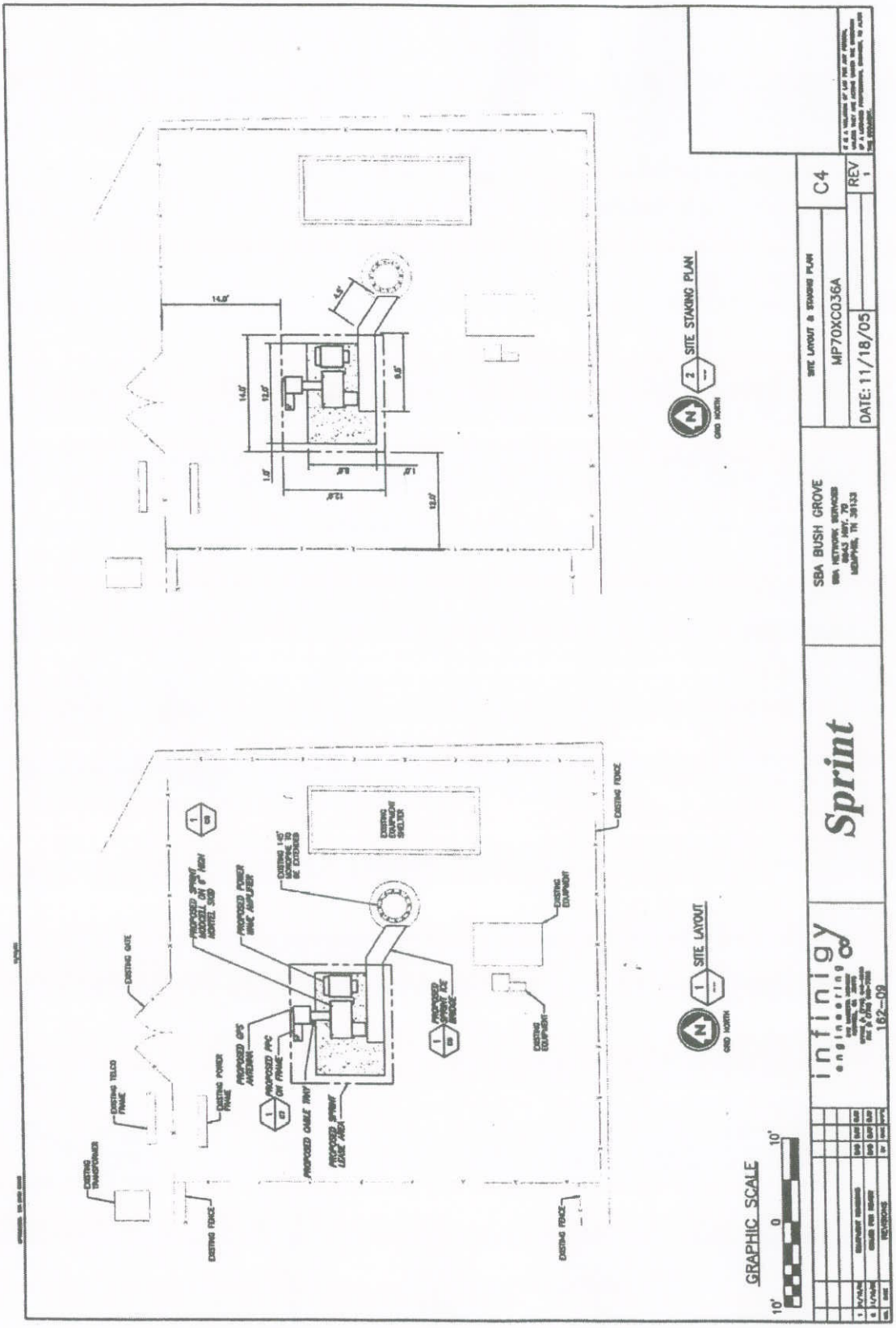
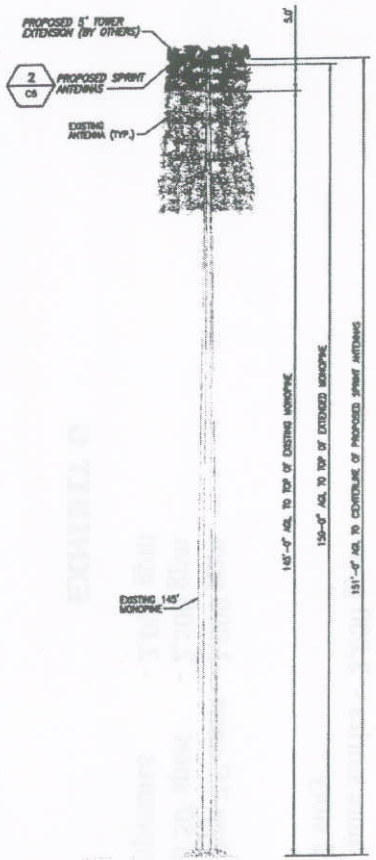


EXHIBIT E: LEASE PARCEL SITE LAYOUT --- INFINIGY DRAWING C-4

CONTRACTOR TO VERIFY RF INFORMATION W/FINAL RF CONFIG SHEETS PRIOR TO INSTALLATION



1 MONOPINE ELEVATION
NOT TO SCALE

RF SYSTEM SCHEDULE

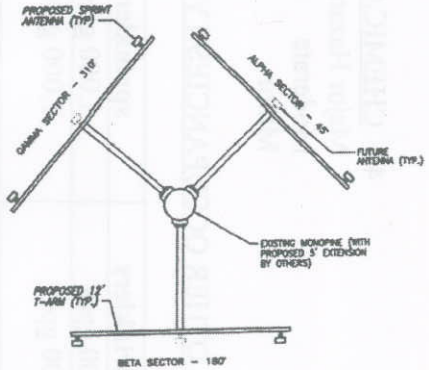
SECTOR	ANTENNA AZIMUTH	TYPE OF ANTENNA	MECH. DOWNTILT	ELEC. DOWNTILT	CABLE SCHEDULE: COAX SIZE	CABLE SCHEDULE: ANTENNA ℄ HEIGHT	CABLE SCHEDULE: EST. * LENGTH	COAXIAL CABLE COLOR SCHEME: FIRST RING	SECOND RING	THIRD RING	BEAM WIDTH
SECTOR 1 (ALPHA)	45°	ANDREW/DECIBEL DB950G85E-M	0°	0°	1 5/8"	151'-0"	200'-0"	YELLOW	BROWN	WHITE	85°
			0°	0°	1 5/8"	151'-0"	200'-0"	YELLOW	WHITE	WHITE	85°
SECTOR 2 (BETA)	180°	ANDREW/DECIBEL DB950G85E-M	0°	0°	1 5/8"	151'-0"	200'-0"	RED	BROWN	WHITE	85°
			0°	0°	1 5/8"	151'-0"	200'-0"	RED	WHITE	WHITE	85°
SECTOR 3 (GAMMA)	310°	ANDREW/DECIBEL DB950G85E-M	0°	0°	1 5/8"	151'-0"	200'-0"	GREEN	BROWN	WHITE	85°
			0°	0°	1 5/8"	151'-0"	200'-0"	GREEN	WHITE	WHITE	85°
GPS ANTENNA	NA		NA	NA	1/2"	NA	25'				

* EST. LENGTH INCLUDES A 15' SAFETY FACTOR ON BOTH ENDS

NOTE:
POWER WAVE (MERCURY SOLUTION) REQUIRED FOR ALL SECTORS. POWER WAVE MAT CODE (0613883, PART (FOS-1900-SA3, REMEC MAT CODE (0614823.

INFINIGY ENGINEERING HAS NOT EVALUATED THE EXISTING TOWER, NOR THE PROPOSED EXTENSION BY OTHERS, FOR THIS SITE. REFER TO STRUCTURAL ANALYSIS PROVIDED BY FDH ENGINEERING ON JUNE 7, 2005.

CONTRACTOR SHALL VERIFY THE RF CONFIGURATION & STRUCTURAL ANALYSIS BEFORE INSTALLATION.



NORTH

2 ANTENNA ORIENTATION PLAN
NOT TO SCALE

(PINE CONCEALMENT MATERIAL NOT SHOWN FOR CLARITY)

GENERAL NOTES:

1. VERIFY COAX SIZE WITH SPRINT.
2. COLOR CODE AT TOP CONNECTOR, BOTTOM CONNECTOR AND BTS JUMPERS BELOW FRAME.
3. REFER TO FINAL RF APPROVAL.
4. ALL CABLES SHALL BE MARKED AT THE TOP AND BOTTOM WITH 2" COLORED TAPE AND STENCIL TAG. COLOR TAPE MAY BE OBTAINED FROM GRAYBAR ELECTRONIC. FOURTH RING IS ONLY NECESSARY ON CELL INSTALLATIONS SERVING TWO SWITCHES THIS SHOULD BE PERFORMED AND ANNOTATED LOCALLY.
5. TREAT A REPEATER AS A TWO SECTOR CELL. USE SECTOR ONE FOR THE DONOR ANTENNA, AND SECTOR TWO FOR THE SERVER ANTENNA.
6. FOR A DIRECTOR WITH A LOWER GAIN, USE THE THIRD SECTOR CONNECTIONS FOR THE GAIN.
7. AS-BUILT DRAWINGS TO BE COMPLETED BY FIELD ENGINEER WITH ACTUAL LENGTHS.
8. AZIMUTHS ARE ORIENTED CLOCKWISE FROM TRUE NORTH.
9. COAXIAL CABLE LENGTHS HAVE BEEN DETERMINED BASED ON THESE DRAWINGS. LENGTHS LISTED ARE APPROXIMATE AND ARE NOT INTENDED TO BE USED FOR FABRICATION. DUE TO FIELD CONDITIONS, REQUIRED ANTENNA CABLE LENGTH MAY VARY FROM LENGTH TABULATED. CONTRACTOR MUST FIELD VERIFY ANTENNA CABLE LENGTHS PRIOR TO ORDER AND NOTIFY ENGINEER IF ACTUAL LENGTH EXCEEDS ESTIMATED LENGTH.
10. ALL COAXIAL CABLE (INCLUDING JUMPERS) SHALL BE MARKED AT EACH END WITH COLORED TAPES. SEE COLOR CODING DETAIL.
11. ALL COAXIAL WILL UTILIZE GROUND KITS GROUNDED AT (3) POINTS AS FOLLOWS:
    A. TOP OF TOWER (ANTENNA LEVEL) ONE END MECHANICALLY CONNECTED TO TOWER.
    B. BOTTOM OF TOWER, ONE END MECHANICALLY CONNECTED TO EXTERIOR GROUND BAR (EGB).
    C. PRIOR TO ENGINEERING EQUIPMENT CABINET, ONE END MECHANICALLY CONNECTED TO EXTERIOR GROUND BAR (EGB).
12. ALL TOP AND BOTTOM JUMPERS WILL BE (6) FEET IN LENGTH OR AS APPROVED BY SPRINT.
13. ALL COAXIAL CABLE SHOULD BE INSTALLED WITH ANY AND ALL BENDS WITHIN THE ALLOWABLE BENDING RADIUS AS SUPPLIED BY THE MANUFACTURER.
14. ALL COAXIAL CABLE WILL BE SECURED TO SUPPORT HARDWARE WITH A DISTANCE NOT TO EXCEED 4'-0".
15. SUBCONTRACTOR TO RECORD EXACT CABLE LENGTHS IN TABLE (THIS SHEET) TO BE SUBMITTED WITH AS-BUILTS.
16. CONTRACTOR SHALL VERIFY ANTENNA RED CENTER AND AZIMUTHS WITH SPRINT PRIOR TO INSTALLATION.

NO.	DATE	REVISIONS	BY	CHK	APP'D
3	05/10/05	[illegible]	DAD	CJW	CJW
1	04/06/05	SPRINT REVISIONS	DAD	CJW	CJW
0	11/04/04	ISSUED FOR REVIEW	DAD	CJW	CJW

infinigy engineering
210 WHITETA HIGHWAY
MOSELLE, GA 30076
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162-09

Sprint

SBA BUSH GROVE
SBA NETWORK SERVICES
8843 HWY. 70
MEMPHIS, TN 38133

TOWER ELEVATION AND DETAILS
MP70XC036A
DATE: 11/18/05
C5
REV 2

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.

EXHIBIT F: TOWER ELEVATION AND DETAILS --- INFINIGY DRAWING C-5

MINIMUM FIRE FLOW REQUIREMENT

The following is a tabulation of minimum fire flow requirements used as design criteria within the City of Memphis, unincorporated Shelby County, the City of Lakeland and the City of Arlington served by MLGW. Prospective customers or other interested parties will arrange for the financing of water system enlargements or extensions in accordance with the Memphis, Light, Gas and Water Division, Water Service Policy Manual in effect at the time application is made. These minimum requirements are subject to change without notice.

1. CONGESTED VALVE DISTRICT
   12,000 gpm plus 3,000 gpm
   For a second fire
   Total 15,000 gpm

2. INDUSTRIAL SECTIONS
   Heavy 10,000 gpm
   Moderate 5,000 gpm
   Light 3,000 gpm

3. MERCANTILE
   Heavy 10,000 gpm
   Moderate 5,000 gpm
   Minor 3,500 gpm

4. CHEMICAL AND BULK OIL
   Major Hazard 15,000 gpm
   Moderate 10,000 gpm
   Minor 5,000 gpm

5. STORE BUILDINGS and ALL OTHER OCCUPANCIES TYPE NOT LISTED

	No sprinklers	**sprinklers**	**esfr**
Up to 5,000 sq. ft. -	3,000 gpm	3,000 gpm	3,000 gpm
5,001-50,000 sq. ft. *Up to 12' storage*	4,000 gpm	3,000 gpm	3,000 gpm
5,001-50,000 sq. ft. *Over 12' storage,* **or** **50,001-100,000 sq. ft.** *Up to 12' storage*	6,000 gpm	4,200 gpm	3,000 gpm
Over 50,000 sq. ft. *Over 12' storage,* **or** **Over 100,000 sq. ft.** *Up to 12' storage*	8,000 gpm	5,200 gpm	4,800 gpm

6. APARTMENTS
   Non fire resistant - 3 or more stories - 4,000 gpm
   Semi fire resistant - 3 or more stories - 3,000 gpm
   No exposures - 1 or 2 story

7. RESIDENTIAL
   Non fire resistant - less than 25' apart - 3,000 gpm
   Non fire resistant - 26' to 50' apart - 2,500 gpm
   Non fire resistant - no exposures - 2,000 gpm

EXHIBIT G