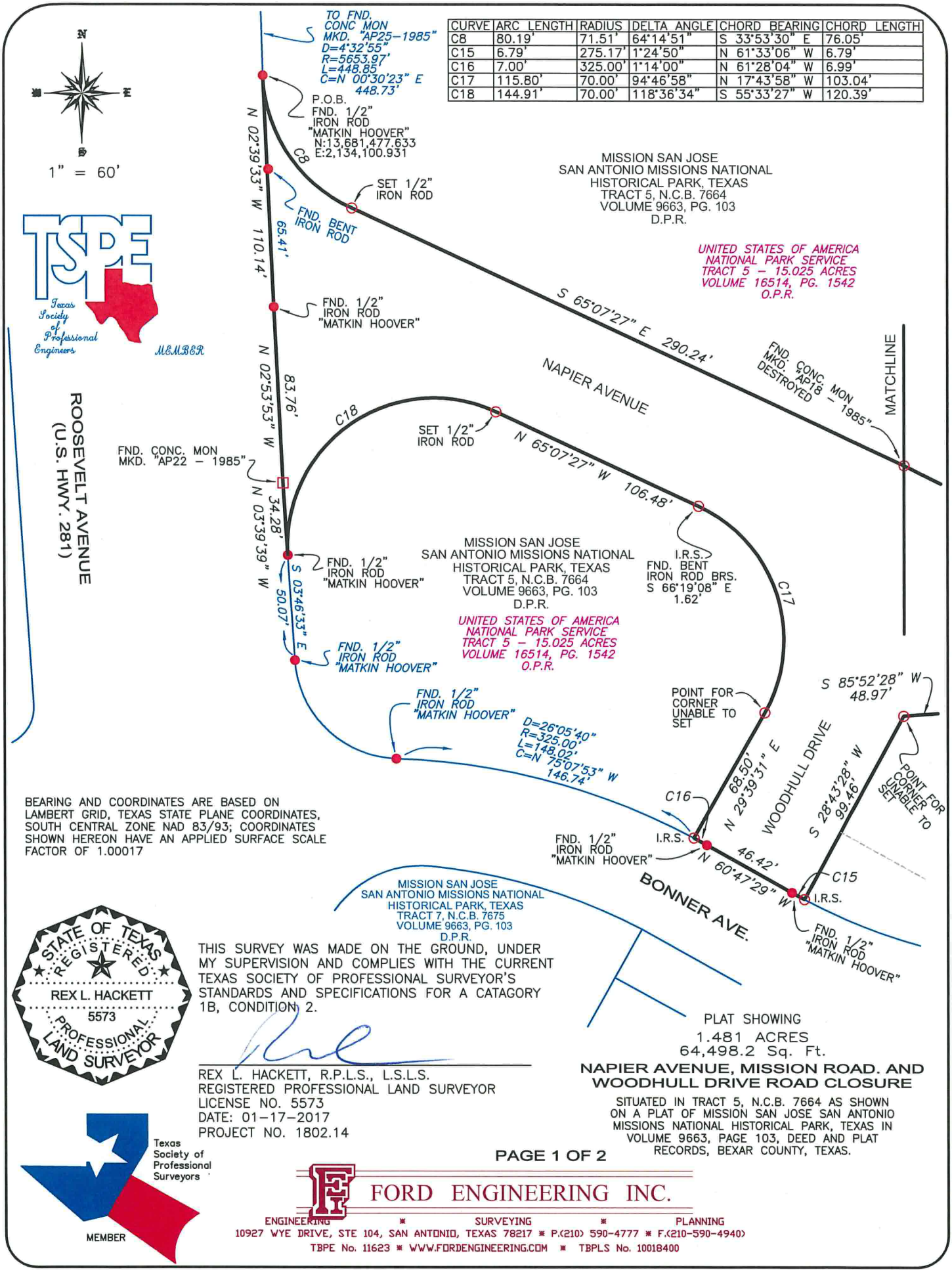


CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C8	80.19'	71.51'	64°14'51"	S 33°53'30" E	76.05'
C15	6.79'	275.17'	1°24'50"	N 61°33'06" W	6.79'
C16	7.00'	325.00'	1°14'00"	N 61°28'04" W	6.99'
C17	115.80'	70.00'	94°46'58"	N 17°43'58" W	103.04'
C18	144.91'	70.00'	118°36'34"	S 55°33'27" W	120.39'

Texas Society of Professional Engineers MEMBER

BEARING AND COORDINATES ARE BASED ON LAMBERT GRID, TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE NAD 83/93; COORDINATES SHOWN HEREON HAVE AN APPLIED SURFACE SCALE FACTOR OF 1.00017

STATE OF TEXAS REGISTERED REX L. HACKETT 5573 PROFESSIONAL LAND SURVEYOR

THIS SURVEY WAS MADE ON THE GROUND, UNDER MY SUPERVISION AND COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYOR'S STANDARDS AND SPECIFICATIONS FOR A CATAGORY 1B, CONDITION 2.

REX L. HACKETT, R.P.L.S., L.S.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
LICENSE NO. 5573
DATE: 01-17-2017
PROJECT NO. 1802.14

Texas Society of Professional Surveyors MEMBER

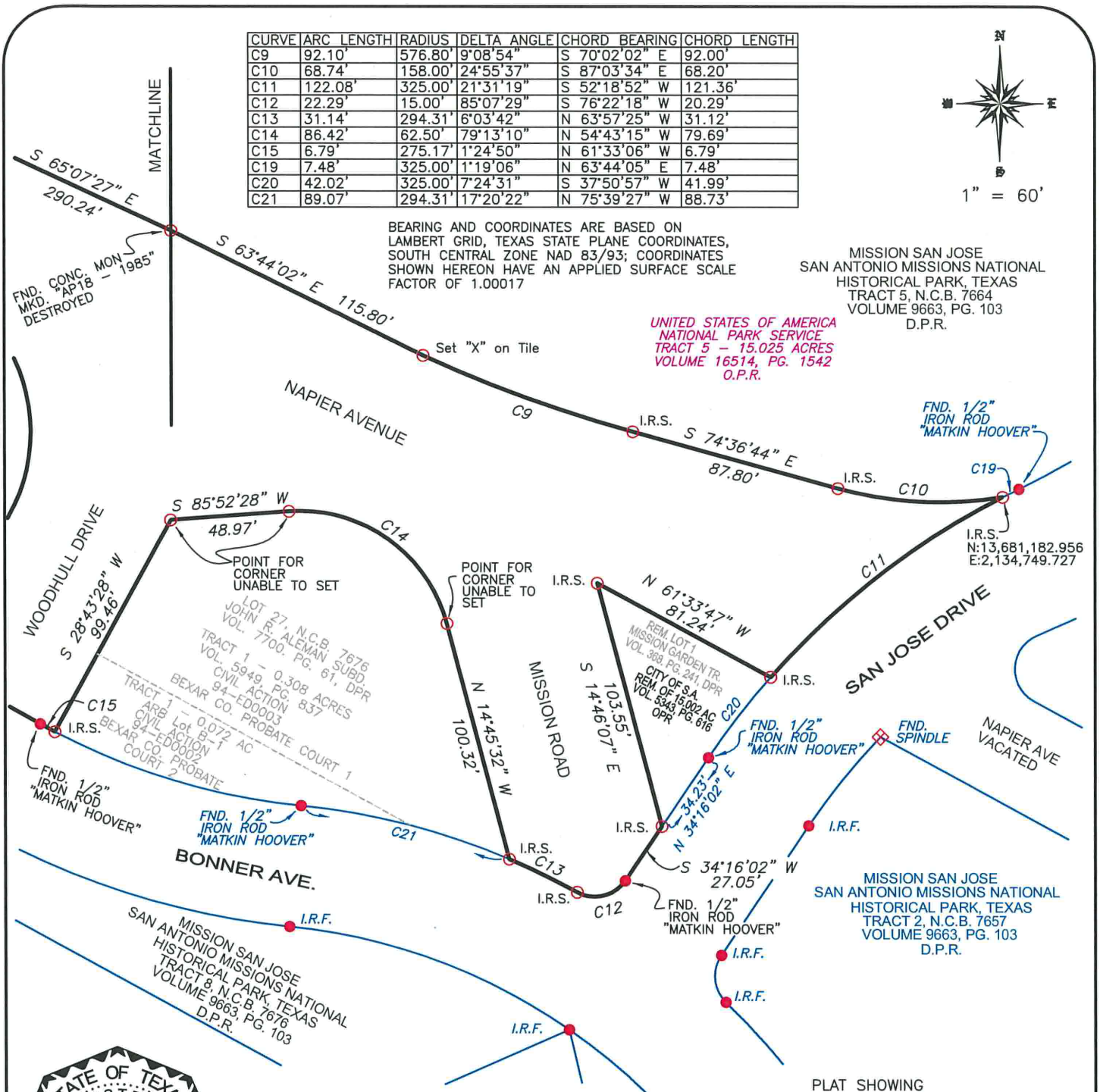
PLAT SHOWING
1.481 ACRES
64,498.2 Sq. Ft.

NAPIER AVENUE, MISSION ROAD. AND WOODHULL DRIVE ROAD CLOSURE

SITUATED IN TRACT 5, N.C.B. 7664 AS SHOWN ON A PLAT OF MISSION SAN JOSE SAN ANTONIO MISSIONS NATIONAL HISTORICAL PARK, TEXAS IN VOLUME 9663, PAGE 103, DEED AND PLAT RECORDS, BEXAR COUNTY, TEXAS.

FORD ENGINEERING INC.
ENGINEERING * SURVEYING * PLANNING
10927 WYE DRIVE, STE 104, SAN ANTONIO, TEXAS 78217 * P.(210) 590-4777 * F.(210-590-4940)
TBPE No. 11623 * WWW.FORDENGINEERING.COM * TBPLS No. 10018400

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C9	92.10'	576.80'	9°08'54"	S 70°02'02" E	92.00'
C10	68.74'	158.00'	24°55'37"	S 87°03'34" E	68.20'
C11	122.08'	325.00'	21°31'19"	S 52°18'52" W	121.36'
C12	22.29'	15.00'	85°07'29"	S 76°22'18" W	20.29'
C13	31.14'	294.31'	6°03'42"	N 63°57'25" W	31.12'
C14	86.42'	62.50'	79°13'10"	N 54°43'15" W	79.69'
C15	6.79'	275.17'	1°24'50"	N 61°33'06" W	6.79'
C19	7.48'	325.00'	1°19'06"	N 63°44'05" E	7.48'
C20	42.02'	325.00'	7°24'31"	S 37°50'57" W	41.99'
C21	89.07'	294.31'	17°20'22"	N 75°39'27" W	88.73'



BEARING AND COORDINATES ARE BASED ON LAMBERT GRID, TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE NAD 83/93; COORDINATES SHOWN HEREON HAVE AN APPLIED SURFACE SCALE FACTOR OF 1.00017

MISSION SAN JOSE
SAN ANTONIO MISSIONS NATIONAL HISTORICAL PARK, TEXAS
TRACT 5, N.C.B. 7664
VOLUME 9663, PG. 103
D.P.R.

UNITED STATES OF AMERICA
NATIONAL PARK SERVICE
TRACT 5 - 15.025 ACRES
VOLUME 16514, PG. 1542
O.P.R.

STATE OF TEXAS
REGISTERED
REX L. HACKETT
5573
PROFESSIONAL
LAND SURVEYOR

THIS SURVEY WAS MADE ON THE GROUND, UNDER MY SUPERVISION AND COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL SURVEYOR'S STANDARDS AND SPECIFICATIONS FOR A CATAGORY 1B, CONDITION 2.

REX L. HACKETT, R.P.L.S., L.S.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
LICENSE NO. 5573
DATE: 01-17-2017
PROJECT NO. 1802.14

PLAT SHOWING
1.481 ACRES
64,498.2 Sq. Ft.
NAPIER AVENUE, MISSION ROAD. AND WOODHULL DRIVE ROAD CLOSURE

SITUATED IN TRACT 5, N.C.B. 7664 AS SHOWN ON A PLAT OF MISSION SAN JOSE SAN ANTONIO MISSIONS NATIONAL HISTORICAL PARK, TEXAS IN VOLUME 9663, PAGE 103, DEED AND PLAT RECORDS, BEXAR COUNTY, TEXAS.

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TBPE No. 11623 * WWW.FORDENGINEERING.COM * TBPLS No. 10018400

Texas Society of Professional Engineers MEMBER

Texas Society of Professional Surveyors MEMBER

Date: January 17, 2017
Project No: 1802.14

FIELD NOTES DESCRIPTION
1.481 ACRES (64,498.2 sq. ft.)

A 1.481 acre (64,498.2 sq. ft.) tract of land, being a portion of a Napier, Mission Road and Woodhull Drive situated in Tract 5 N.C.B. 7664 conveyed to the United States of America, c/o National Park Service in Volume 16514, Page 1542 of the Official Public Records of Real Property of Bexar County, Texas, also shown as Tract 5, 15.025 Acres on the plat of Right-of Way and Boundary Survey, Mission San Jose San Antonio Missions National Historical Park, Texas recorded in Volume 9663, Page 103 of the Deed and Plat Records of Bexar County, Texas, being more particularly described as follows:

BEGINNING: at a ½ inch iron rod (N = 13,681,477.633, E = 2,134,100.931) with cap marked "Matkin Hoover" found on the Eastern line of Roosevelt Avenue (120' R.O.W.) for a corner of said Tract 5, a corner of said Napier Avenue, from which a concrete monument marked "AP25-1985" found on the Eastern line of said Roosevelt Avenue, a corner of said Tract 5 bears with a curve to the right having a Delta angle of 04°32'55", a Radius of 5653.97 feet, an Arc length of 448.85 feet and a Chord bearing of N 00°30'23" E – 448.73 feet;

THENCE: Across said Tract 5 and along the Northern line of said Napier Avenue, a curve to the left (Southeasterly) having a Delta angle of 64°14'51", a Radius of 71.51 feet, an Arc length of 80.19 feet and a Chord bearing of S 33°53'30" E – 76.05 feet to a ½ inch iron rod with cap marked "Ford Eng Inc" set for a corner of this tract;

THENCE: S 65°07'27" E – 290.24 feet continuing across said Tract 5 and along the Northern line of said Napier Avenue to a point for corner, (concrete monument marked "AP18-1985 found destroyed), for a corner of this tract;

THENCE: S 63°44'02" E – 115.80 feet continuing across said Tract 5 and along the Northern line of said Napier Avenue to a "X" set on tile for a corner of this tract;

THENCE: Continuing across said Tract 5 and along the Northern line of said Napier Avenue, a curve to the left having a Delta angle of 09°08'54", a Radius of 576.80 feet, an Arc length of 92.10 feet and a Chord bearing of S 70°02'02" E – 92.00 feet to a ½ inch iron rod with cap marked "Ford Eng Inc" set for a corner of this tract;

THENCE: S 74°36'44" E – 87.80 feet continuing across said Tract 5 and along the Northern line of said Napier Avenue to a ½ inch iron rod with cap marked "Ford Eng Inc" set for a corner of this tract;

THENCE: Continuing across said Tract 5 and along the Northern line of said Napier Avenue, a curve to the left having a Delta angle of 24°55'37", a Radius of 158.00 feet, an Arc length of 68.74 feet and a Chord bearing of S 87°03'34" E – 68.20 feet to a ½ inch iron rod (N = 13,681,182.956, E = 2,134,749.727) set on the Northwestern line of San Jose Drive as shown on said plat of Right-of Way and Boundary Survey, Mission San Jose San Antonio Missions National Historical Park, Texas, for a corner of this tract, from which a ½ inch iron rod with cap marked "Matkin Hoover" found for a corner of said San Jose Drive, a corner of said Tract 5 bears with a curve to the right (Northeasterly) having a Delta angle of 01°19'06", a Radius of 325.00 feet, an Arc length of 7.48 feet and a Chord bearing of N 63°44'05" E – 7.48 feet;

THENCE: Along the Northwestern line of said San Jose Drive, a curve to the left (Southwesterly) having a Delta angle of 21°31'19", a Radius of 325.00 feet, an Arc length of 122.08 feet and a Chord bearing of S 52°18'52" W – 121.36 feet to a ½ inch iron rod with cap marked "Ford Eng Inc" set for a corner of said Napier Avenue on the Northern line of the Remainder of Lot 1 of the Mission Garden Tracts as shown on a plat recorded in Volume 368, Page 241 of the Deed and Plat Records of Bexar County, Texas, the same being a line of the remainder of a 15.002 acre tract of land conveyed to the City of San Antonio in Volume 5343, Page 616 of the Official Public Records of Real Property of Bexar County, Texas, from which a ½ inch iron rod with cap marked "Matkin Hoover" found for a corner of said San Jose Drive, a corner of said Tract 5 bears with a curve to the left (Southwesterly) having a Delta angle of 07°24'31", a Radius of 325.00 feet and Arc length of 42.02 feet and a Chord bearing of S 37°50'57" W – 41.99 feet;

THENCE: N 61°33'47" W – 81.24 feet across said Tract 5 and along a Southern line of said Napier Avenue, a Northern line of the remainder of said Lot 1 of the Mission Gardens, a Northern line of the remainder of the said 15.002 acre tract to a ½ inch iron rod with cap marked "Ford Eng Inc" set on the Eastern line of Mission Road, the Westernmost corner of said Lot 1 of the Mission Gardens, the Westernmost corner of the said 15.002 acre tract, for a corner of this tract;

THENCE: S 14°46'07" E – 103.55 feet continuing across said Tract 5 and along the Eastern line of said Mission Road to a ½ inch iron rod with cap marked "Ford Eng Inc" set on the Northwestern line of said San Jose Drive for a corner of this tract, from which a ½ inch iron rod with cap marked "Matkin Hoover" found for a corner of said San Jose Drive, a corner of said Tract 5 bears N 34°16'02" E – 34.23 feet;

THENCE: S 34°16'02" W – 27.05 feet along the Northwestern line of said San Jose Drive, a line of said Tract 5 to a ½ inch iron rod with cap marked "Matkin Hoover" found for a corner of said San Jose Drive, a corner of said Tract 5, for a corner of this tract;

THENCE: Along a curve to the right at the intersection of San Jose Drive and Bonner Avenue, a line of said Tract 5 having a Delta angle of 85°07'29", a Radius of 15.00 feet, an Arc length

of 22.29 feet and a Chord bearing of S 76°22'18" W – 20.29 feet to a ½ inch iron rod with cap marked "Ford Eng Inc" set for a corner of Tract 5, a corner of said Bonner Avenue, for a corner of this tract;

THENCE: Along the Northern line of said Bonner Avenue, a Southern line of said Tract 5, with a curve to the left having a Delta angle of 06°03'42", a Radius of 294.31 feet, an Arc length of 31.14 feet and a Chord bearing of N 63°57'25" W – 31.12 feet to a ½ inch iron rod with cap marked "Ford Eng Inc" set on an Eastern line of the Lot 27 of the original John R. Aleman Subdivision, N.C.B. 7676 as shown on a plat recorded in Volume 7700, Page 61 of the deed and Plat Records of Bexar County, Texas, a Western line of said Mission Road, for a corner of this tract, from which a ½ inch iron rod with cap marked "Matkin Hoover" found for a corner of said Bonner Avenue, a corner of said Tract 5 bears with a curve to the left having a Delta angle of 17°20'22", a Radius of 294.31 feet, an Arc length of 89.07 feet and a Chord bearing of N 75°39'27" W – 88.73 feet;

THENCE: N 14°45'32" W – 100.32 feet across said Tract 5 and along the Western line of said Mission Road, the Eastern line of the said John R. Aleman Subdivision to a point (unable to set) for corner of the said John R. Aleman Subdivision, a corner of Mission Road, for a corner of this tract;

THENCE: Continuing across said Tract 5 and along a Northern line of the said John R. Aleman Subdivision, a Southern line of Napier Avenue, with a curve to the left having a Delta angle of 79°13'10", a Radius of 62.50 feet, an Arc length of 86.42 feet and a Chord bearing of N 54°43'15" W – 79.69 feet to a point (unable to set) for a corner of the said John R. Aleman Subdivision, a corner of said Napier Avenue, for a corner of this tract;

THENCE: S 85°52'28" W – 48.97 feet continuing across said Tract 5 and along a Northern line of the said John R. Aleman Subdivision to a point (unable to set) for the Northwestern corner of the said John R. Aleman Subdivision on the Southeastern line of said Woodhull Drive, for a corner of this tract;

THENCE: S 28°43'28" W – 99.46 feet continuing across said Tract 5 and along the Southeastern line of said Woodhull Drive to a ½ inch iron rod with cap marked "Ford Eng Inc" set on the Southern line of said Tract 5, the Northern line of said Bonner Avenue, for a corner of this tract;

THENCE: Along the Southern line of said Tract 5, the Northern line of Bonner Avenue, a curve to the right (Northwesterly) having a Delta angle of 01°24'50", a Radius of 275.17 feet, an Arc length of 6.79 feet and a Chord bearing of N 61°33'06" W – 6.79 feet to a ½ inch iron rod with cap marked "Matkin Hoover" found for a corner of said Bonner Avenue, a corner of said Tract 5, for a corner of this tract;

THENCE: N 60°47'29" W – 46.42 feet continuing along the Southern line of said Tract 5, the Northern line of said Bonner Avenue to a ½ inch iron rod with cap marked "Matkin Hoover" found for a corner of said Tract 5, a corner of said Bonner Avenue, for a corner of this tract;

THENCE: Continuing along the Southern line of said Tract 5, the Northern line of said Bonner Avenue, a curve to the left having a Delta angle of 01°14'00", a Radius of 325.00 feet, an Arc length of 7.00 feet and a Chord bearing of N 61°28'04" W – 6.99 feet to a ½ inch iron rod with cap marked "Ford Eng Inc" set at the intersection of Woodhull Drive and Bonner Avenue for a corner of this tract, from which a ½ inch iron rod with cap marked "Matkin Hoover" found for a corner of said Tract 5, a corner of said Bonner Avenue, bears with a curve to the left having a Delta angle of 26°05'40", a Radius of 32500 feet, an Arc length of 148.02 feet and a Chord bearing of N 75°07'53" W – 146.74 feet;

THENCE: N 29°39'31" E – 68.50 feet across said Tract 5 and along the Western line of said Woodhull Drive to a point (unable to set) for corner of said Woodhull Drive, for a corner of this tract;

THENCE: Continuing across said Tract 5 and along a line of Woodhull Drive and Napier Avenue, a curve to the left having a Delta angle of 94°46'58", a Radius of 70.00 feet, an Arc length of 115.80 feet and a Chord bearing of N 17°43'58" W – 103.04 feet to a ½ inch iron rod with cap marked "Ford Eng Inc" set for a corner of said Napier Avenue, a corner of this tract, from which a bent iron rod found bears S 66°19'08" E – 1.62 feet;

THENCE: N 65°07'27" W – 106.48 feet continuing across said Tract 5 and along the Southern line of said Napier Avenue to a ½ inch iron rod with cap marked "Ford Eng Inc" set for a corner of said Napier Avenue, for a corner of this tract;

THENCE: Continuing across said Tract 5 and along a Southern line of said Napier Avenue, a curve to the left having a Delta angle of 118°36'34", a Radius of 70.00 feet, an Arc length of 144.91 feet and a Chord bearing of S 55°33'27" W – 120.39 feet to a ½ inch iron rod with cap marked "Matkin Hoover" found for a corner of said Napier Avenue on the Eastern line of said Roosevelt Avenue, for a corner of this tract, from which a ½ inch iron rod with cap marked "Matkin Hoover" found at the Point of Curvature to the left of said Tract 5 at the intersection of Roosevelt Avenue and Bonner Avenue bears S 03°46'33" E – 50.07 feet;

THENCE: N 03°39'39" W – 34.28 feet along the Western line of said Tract 5, the Eastern line of said Roosevelt Avenue to a concrete monument marked "AP22-1985" found for a corner of said Tract 5, for a corner of this tract;

THENCE: N 02°53'53" W – 83.76 feet continuing along the Western line of said Tract 5, the Eastern line of said Roosevelt Avenue to a ½ inch iron rod with cap marked "Matkin Hoover" found for a corner of said Tract 5, for a corner of this tract;

THENCE: N 02°39'33" W – continuing along the Western line of said Tract 5, the Eastern line of said Roosevelt Avenue, at 65.41 feet pass a bent iron rod found, **a distance in all of 110.14 feet** to the **POINT OF BEGINNING** and containing 1.481 acres (64,498.2 sq. ft.) of land, *according to a survey made on the ground under my supervision*

Corresponding plat prepared.
1802.14 Napier Avenue Closure.docx

BEARINGS AND COORDINATES ARE BASED ON LAMBERT GRID, TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE NAD 83/93; COORDINATES SHOWN HEREON HAVE AN APPLIED SURFACE SCALE FACTOR OF 1.00017.

Rex L. Hackett, R.P.L.S., L.S.L.S.
Registered Professional Land Surveyor
License Number 5573