INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	OVERALL PLAN SHEET
2-A	INDEX SHEET
3	CENTERLINE GEOMETRY, NEW STATIONING
3-A	CENTERLINE GEOMETRY, ORIGINAL STATIONING
4	CONTROL SHEET
5-28	RIGHT-OF-WAY PLAN SHEETS
29-35	CONTROL POINT RECOVERY SHEETS

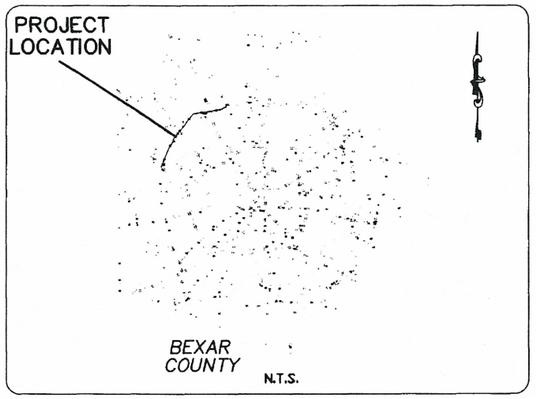
STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION

EXISTING RIGHT-OF-WAY RETRACEMENT

LOOP 1604
BEXAR COUNTY

LIMITS: FROM S.H. 151 TO F.M. 1535 (N.W. MILITARY HIGHWAY)

CSJ NO. 15-76-2452-02-063-150



VICINITY MAP

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- BENCHMARK
- — - — - CENTERLINE
- — - - - ROW LINE
- ℙ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- GPS POINT

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

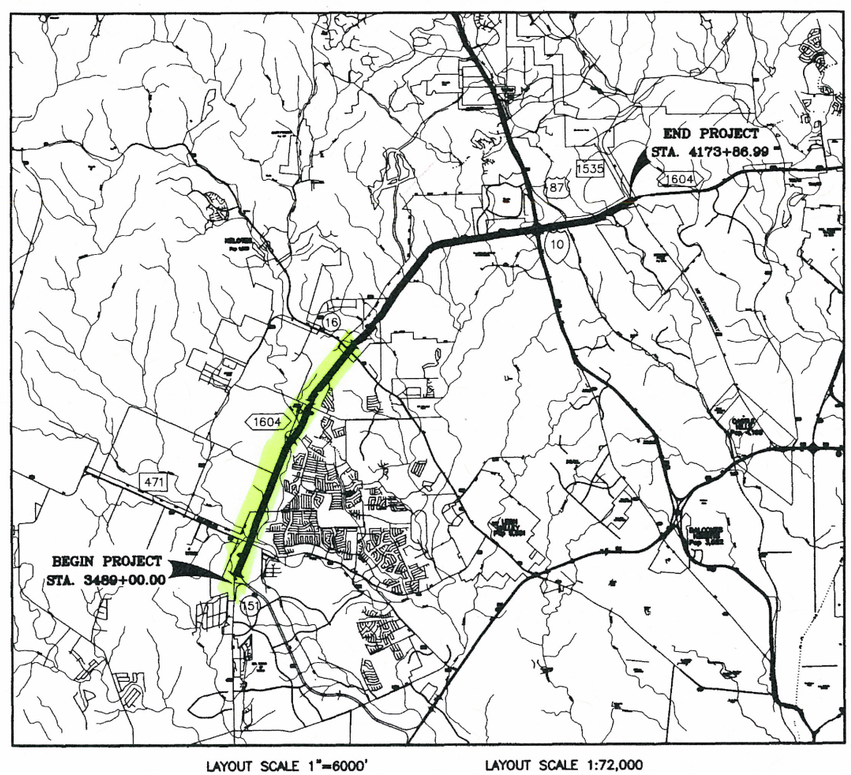
2) COORDINATES AND DISTANCES ARE SURFACE, USING A SURFACE ADJUSTMENT OF 1.00017.

3) THIS RETRACEMENT MAP IS A RECORD OF EXISTING RIGHT-OF-WAY CONDITIONS. REFER TO THE FOLLOWING LISTED TEXAS DEPARTMENT OF TRANSPORTATION ROW MAPS ON FILE AT THE SAN ANTONIO DISTRICT OFFICE FOR ORIGINAL RIGHT-OF-WAY MAPS.

FEBRUARY, 1995	CSJ NO. 2452-01-021
JANUARY, 1995	CSJ NO. 2452-01-021
APRIL, 1989	CSJ 2452-02-049
AUGUST, 1971	CSJ 2452-2
APRIL, 1984	CSJ 2452-02-027
AUGUST, 1959	CSJ 2452-2-2

4) ALL ELEVATIONS SHOWN ARE BASED ON NAVD88 DATUM.

R-003-005
SAT245202RA



LAYOUT SCALE 1"=6000'
PLAN SCALE 1"=100'

LAYOUT SCALE 1:72,000
PLAN SCALE 1:1200

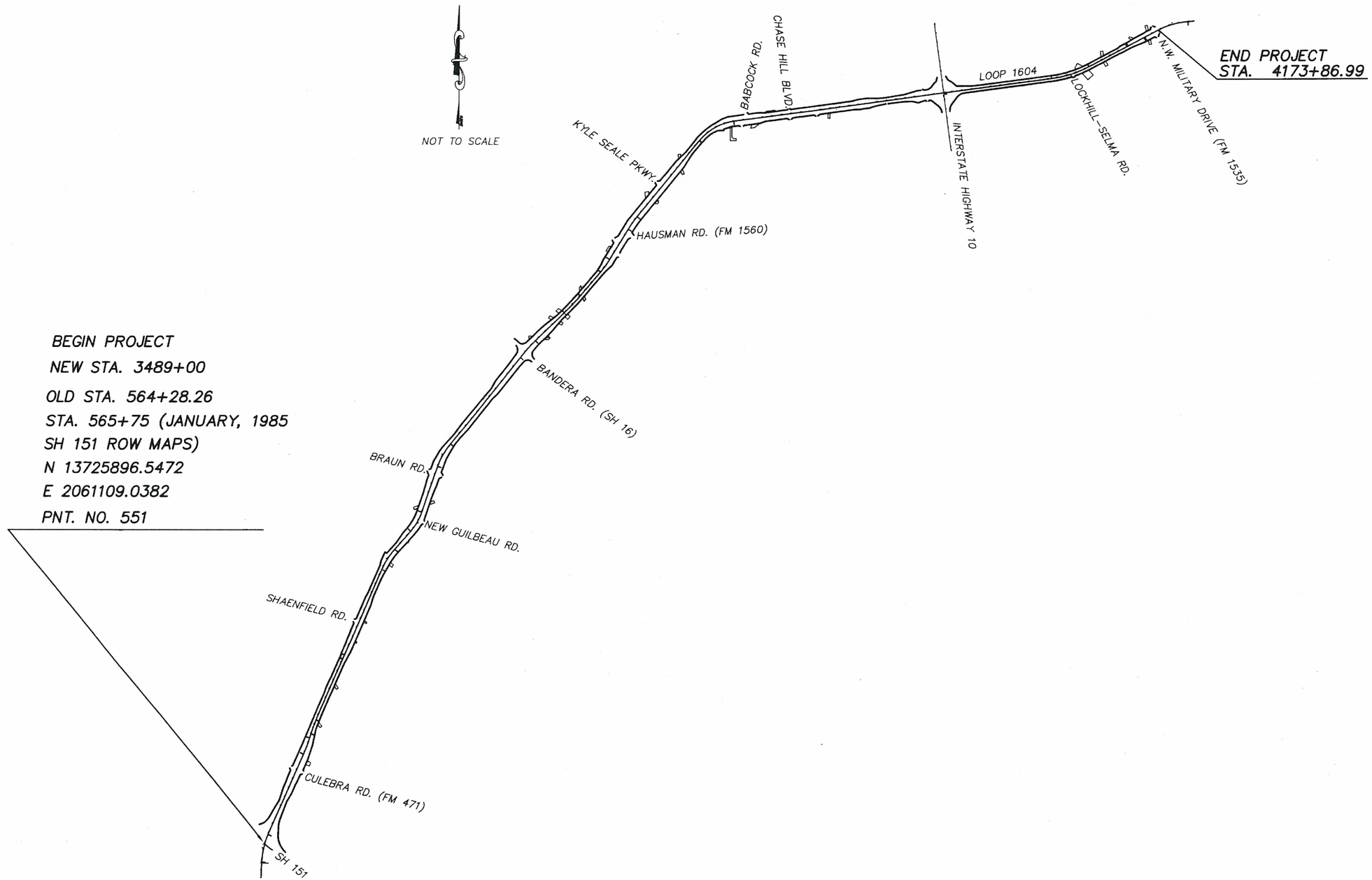
STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 31 DAY OF AUGUST, 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			1
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT. 2452	SECT. 02	JOB 063
CONSTRUCTION	CONT.	SECT.	JOB

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway San Antonio, Texas 78216
Telephone: (210)348-3271



VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS

12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)349-3271

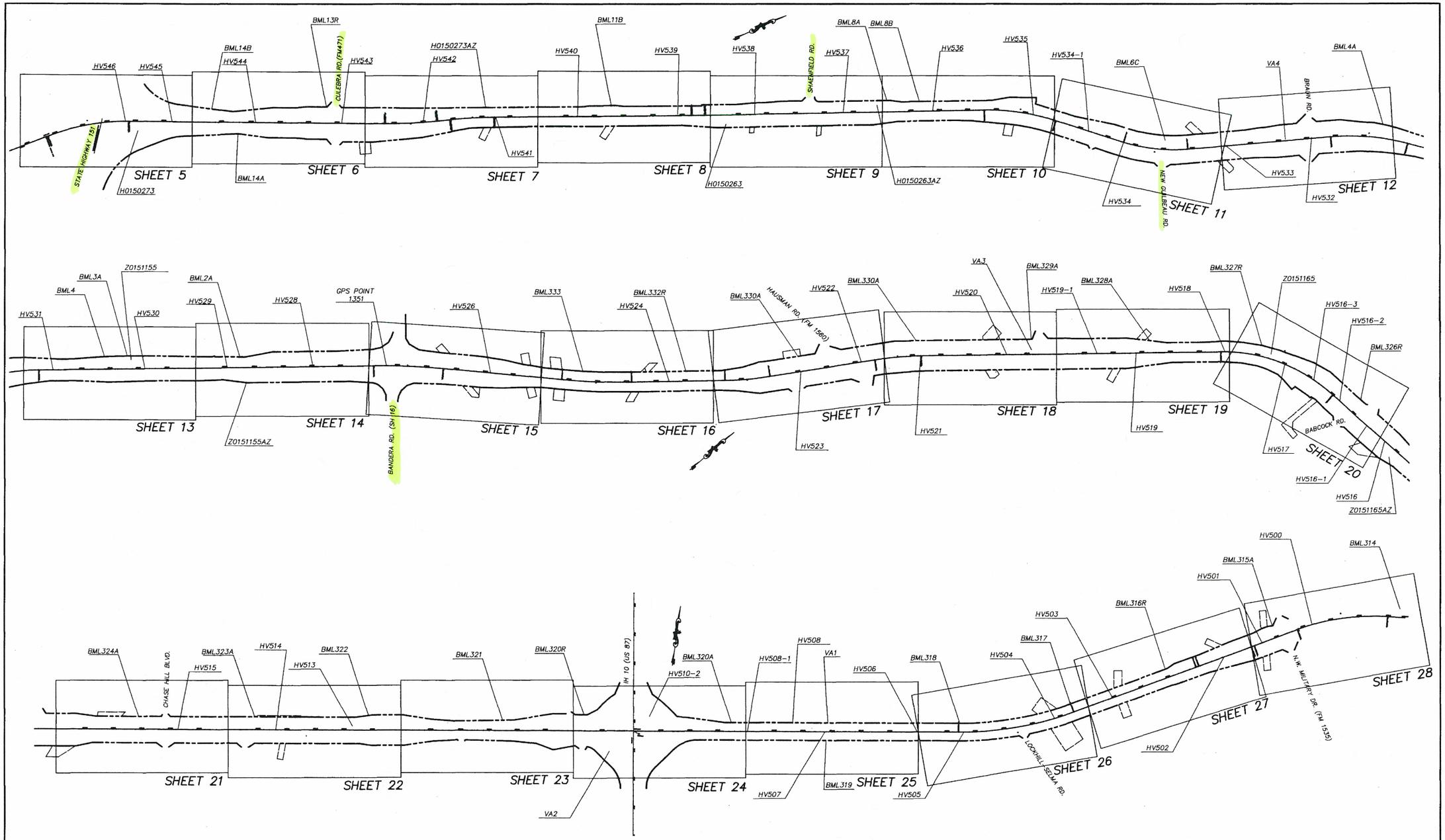
STATE OF TEXAS
REGISTERED
HAL B. LANE III
4690
PROFESSIONAL
LAND SURVEYOR

DATED THIS THE 31 DAY OF AUGUST, 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			2
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604

R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS

12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)349-3271

STATE OF TEXAS
REGISTERED
HAL B. LANE III
4690
PROFESSIONAL
LAND SURVEYOR

DATED THIS THE 31 DAY OF AUGUST, 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			2A
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB

Desc: FINAL ALIGNMENT, 151 TO IH10

Desc.	Station	Spiral/Curve Data		Northing	Easting
POC	3489+00			13725896.5472	2061109.0382
	Length:	243.7070	Course:	N 17-10-16 E	
PI	3491+43.71			13726129.3916	2061180.9866
	Length:	5146.5341	Course:	N 24-28-20 E	
	Delta:	7-18-05			
		Circular Curve Data			
PC	3489+00			13725896.5472	2061109.0382
CC				13724768.8714	2064758.5040
PT	3493+86.75			13726351.2044	2061281.9431
	Delta:	07-18-05	Type:	RIGHT	
	Radius:	3819.7190	DOC:	01-30-00	
	Length:	486.7542	Tangent:	243.7070	
	Mid-Ord:	7.7509	External:	7.7666	
	Chord:	486.4249	Course:	N 20-49-18 E	
	Es:	7.7666			
PI	3542+89.58			13730813.5685	2063312.9576
	Length:	1048.7542	Course:	N 17-47-10 E	
	Delta:	6-41-11			
		Tangent Data			
	3493+86.75			13726351.2044	2061281.9431
	3538+43.32			13730407.4021	2063128.0937
	Length:	4456.5695	Course:	N 24-28-20 E	
		Circular Curve Data			
PC	3538+43.32			13730407.4021	2063128.0937
CC				13733572.0675	2056174.9728
PT	3547+34.83			13731238.4965	2063449.2731
	Delta:	06-41-11	Type:	LEFT	
	Radius:	7639.4370	DOC:	00-45-00	
	Length:	891.5020	Tangent:	446.2575	
	Mid-Ord:	13.0008	External:	13.0230	
	Chord:	890.9962	Course:	N 21-07-45 E	
	Es:	13.0230			
PI	3553+37.32			13731812.1961	2063633.3140
	Length:	3952.0715	Course:	N 23-34-05 E	
	Delta:	5-46-56			
		Tangent Data			
	3547+34.83			13731238.4965	2063449.2731
	3549+51.52			13731444.8344	2063515.4656
	Length:	216.6951	Course:	N 17-47-10 E	
		Circular Curve Data			
PC	3549+51.52			13731444.8344	2063515.4656
CC				13729111.2635	2070789.7659
PT	3557+22.47			13732165.8161	2063787.5729
	Delta:	05-46-56	Type:	RIGHT	
	Radius:	7639.4370	DOC:	00-45-00	
	Length:	770.9483	Tangent:	385.8016	
	Mid-Ord:	9.7232	External:	9.7355	
	Chord:	770.6212	Course:	N 20-40-38 E	
	Es:	9.7355			
PI	3592+88.74			13735434.6054	2065213.5103
	Length:	5629.8314	Course:	N 22-58-18 E	
	Delta:	0-35-48			
		Tangent Data			
	3557+22.47			13732165.8161	2063787.5729
	3591+69.42			13735325.2368	2065165.8007
	Length:	3446.9480	Course:	N 23-34-05 E	
		Circular Curve Data			
PC	3591+69.42			13735325.2368	2065165.8007
CC				13744488.8952	2044159.2210
PT	3594+08.06			13735544.4648	2065260.0786
	Delta:	00-35-48	Type:	LEFT	
	Radius:	22918.3120	DOC:	00-15-00	
	Length:	238.6415	Tangent:	119.3218	
	Mid-Ord:	0.3106	External:	0.3106	
	Chord:	238.6404	Course:	N 23-16-12 E	
	Es:	0.3106			
PI	3649+18.57			13740617.9832	2067410.6894
	Length:	2450.9863	Course:	N 41-48-52 E	
	Delta:	18-50-35			
		Tangent Data			
	3594+08.06			13735544.4648	2065260.0786
	3642+84.30			13740034.0104	2067163.1495
	Length:	4876.2382	Course:	N 22-58-18 E	
		Circular Curve Data			
PC	3642+84.30			13740034.0104	2067163.1495
CC				13738542.2135	2070682.4563
PT	3655+41.39			13741090.7101	2067833.5717
	Delta:	18-50-35	Type:	RIGHT	
	Radius:	3822.4309	DOC:	01-29-56	
	Length:	1257.0887	Tangent:	634.2714	
	Mid-Ord:	51.5612	External:	52.2663	
	Chord:	1251.4313	Course:	N 32-23-35 E	
	Es:	52.2663			
PI	3673+58.10			13742444.7204	2069044.8145
	Length:	3750.0057	Course:	N 19-06-43 E	
	Delta:	22-42-09			
		Tangent Data			
	3655+41.39			13741090.7101	2067833.5717
	3667+82.99			13742016.0876	2068661.3769
	Length:	1241.6058	Course:	N 41-48-52 E	
		Circular Curve Data			
PC	3667+82.99			13742016.0876	2068661.3769
CC				13743926.1038	2066526.2296
PT	3679+18.12			13742988.1300	2069233.1136
	Delta:	22-42-09	Type:	LEFT	
	Radius:	2864.7890	DOC:	02-00-00	
	Length:	1135.1298	Tangent:	575.1091	
	Mid-Ord:	56.0386	External:	57.1567	
	Chord:	1127.7186	Course:	N 30-27-48 E	
	Es:	57.1567			
PI	3710+93.02			13745988.0287	2070272.6212
	Length:	7100.0807	Course:	N 39-19-13 E	
	Delta:	20-12-30			
		Tangent Data			
	3679+18.12			13742988.1300	2069233.1136
	3704+12.39			13745344.9194	2070049.7747
	Length:	2494.2717	Course:	N 19-06-43 E	
		Circular Curve Data			
PC	3704+12.39			13745344.9194	2070049.7747
CC				13744094.3857	2073658.6702
PT	3717+59.50			13746514.5719	2070703.9012
	Delta:	20-12-30	Type:	RIGHT	
	Radius:	3819.4190	DOC:	01-30-00	
	Length:	1347.1091	Tangent:	680.6249	
	Mid-Ord:	59.2369	External:	60.1701	
	Chord:	1340.1375	Course:	N 29-12-58 E	
	Es:	60.1701			
PI	3781+78.96			13751480.7748	2074771.6085
	Length:	3296.7091	Course:	N 45-15-30 E	
	Delta:	5-56-17			
		Tangent Data			
	3717+59.50			13746514.5719	2070703.9012
	3775+84.61			13751020.9777	2074394.9988
	Length:	5825.1090	Course:	N 39-19-13 E	
		Circular Curve Data			
PC	3775+84.61			13751020.9777	2074394.9988
CC				13743759.8493	2083260.0014
PT	3787+72.24			13751899.1426	2075193.7656
	Delta:	05-56-17	Type:	RIGHT	
	Radius:	11459.1560	DOC:	00-30-00	
	Length:	1187.6296	Tangent:	594.3469	
	Mid-Ord:	15.3823	External:	15.4030	
	Chord:	1187.0981	Course:	N 42-17-21 E	
	Es:	15.4030			
PI	3814+74.60			13753801.3675	2077113.2192
	Length:	2632.9273	Course:	N 39-11-13 E	
	Delta:	6-04-17			
		Tangent Data			
	3787+72.24			13751899.1426	2075193.7656
	3808+66.89			13753373.5880	2076681.5653
	Length:	2094.6449	Course:	N 45-15-30 E	
		Circular Curve Data			
PC	3808+66.89			13753373.5880	2076681.5653
CC				13761512.8813	2068615.3295
PT	3820+81.18			13754272.4030	2077497.2060
	Delta:	06-04-17	Type:	LEFT	
	Radius:	11459.1560	DOC:	00-30-00	
	Length:	1214.2970	Tangent:	607.7173	
	Mid-Ord:	16.0807	External:	16.1033	
	Chord:	1213.7289	Course:	N 42-13-21 E	
	Es:	16.1033			
PI	3841+06.39			13755842.1229	2078776.8368
	Length:	2639.9947	Course:	N 31-10-36 E	
	Delta:	8-00-37			
		Tangent Data			
	3820+81.18			13754272.4030	2077497.2060
	3837+05.22			13755531.1820	2078523.3587
	Length:	1624.0425	Course:	N 39-11-13 E	
		Circular Curve Data			
PC	3837+05.22			13755531.1820	2078523.3587
CC				13759151.4211	2074082.4205
PT	3845+06.25			13756185.3523	2078984.5118
	Delta:	08-00-37	Type:	LEFT	
	Radius:	5729.5780	DOC:	01-00-00	
	Length:	801.0278	Tangent:	401.1675	
	Mid-Ord:	13.9928	External:	14.0271	
	Chord:	800.3756	Course:	N 35-10-54 E	
	Es:	14.0271			
PI	3867+45.08			13758100.8399	2080143.5004
	Length:	6744.6338	Course:	N 39-19-18 E	
	Delta:	8-08-42			
		Tangent Data			
	3845+06.25			13756185.3523	2078984.5118
	3863+37.14			13757751.8185	2079932.3208
	Length:	1830.8900	Course:	N 31-10-36 E	
		Circular Curve Data			
PC	3863+37.14			13757751.8185	2079932.3208
CC				13754785.7497	20848334.4122
PT	3871+51.64			13758416.4210	2080401.9987
	Delta:	08-08-42	Type:	RIGHT	
	Radius:	5729.5780	DOC:	01-00-00	
	Length:	814.5000	Tangent:	407.9372	
	Mid-Ord:	14.4673	External:	14.5039	
	Chord:	813.8143	Course:	N 35-14-57 E	
	Es:	14.5039			
PI	3934+88.34			13763318.5028	2084417.3839
	Length:	12158.8359	Course:	N 82-19-12 E	
	Delta:	42-59-54			
		Tangent Data			
	3871+51.64			13758416.4210	2080401.9987
	3923+59.91			13762445.5500	2083702.3322
	Length:	5208.2705	Course:	N 39-19-18 E	
		Circular Curve Data			
PC	3923+59.91			13762445.5500	2083702.3322
CC	.			13760630.2143	2085918.5390
PT	3945+09.84			13763469.3059	2085535.6879
	Delta:	42-59-54	Type:	RIGHT	
	Radius:	2864.7890	DOC:	02-00-00	
	Length:	2149.9233	Tangent:	1128.4261	
	Mid-Ord:	199.3249	External:	214.2306	
	Chord:	2099.8260	Course:	N 60-49-15 E	
	Es:	214.2306			
POT	4055+40.25			13764943.4126	2096467.1539
		Tangent Data			
	3945+09.84			13763469.3059	2085535.6879
	4055+40.25			13764943.4126	2096467.1539
	Length:	11030.4098	Course:	N 82-19-12 E	

POT 4055+40.25 IS LOCATED AT THE INTERSECTION OF LOOP 1604 AND IH 10, 5.00' NORTH OF THE EASTBOUND CENTERLINE OF LOOP 1604

Desc: FINAL ALIGNMENT, IH10 TO NW MILITARY

Desc.	Station	Spiral/Curve Data		Northing	Easting
POB STA.4055+40.25 EASTBOUND CENTERLINE IS 5.00' SOUTH OF THE WESTBOUND CENTERLINE					
PI	4055+40.25			13764938.4574	2096467.8219
	Length:	6698.3911	Course:	N 82-19-19 E	
PI	4122+38.64			13765833.4153	2103106.1570
	Length:	3319.9352	Course:	N 62-05-25 E	
	Delta:	20-13-53			
		Tangent Data			
	4055+40.25			13764938.4574	2096467.8219
	4112+16.42			13765696.8391	2102093.1053
	Length:	5676.1744	Course:	N 82-19-19 E	
		Circular Curve Data			
PC	4112+16.42			13765696.8391	2102093.1053
CC				13771375.0473	2101327.5884
PT	4132+39.57			13766311.8923	2104009.4769
	Delta:	20-13-53	Type:	LEFT	
	Radius:	5729.5780	DOC:	01-00-00	
	Length:	2023.1468	Tangent:	1022.2167	
	Mid-Ord:	89.0664	External:	90.4728	
	Chord:	2012.6526	Course:	N 72-12-22 E	
	Es:	90.4728			
PI	4155+37.29			13767387.4034	2106039.9414
	Length:	1009.1473	Course:	N 61-49-08 E	
	Delta:	0-16-17			
		Tangent Data			
	4132+39.57			13766311.8923	2104009.4769
	4155+10.15			13767374.6999	2106015.9583
	Length:	2270.5787	Course:	N 62-05-25 E	
		Circular Curve Data			
PC	4155+10.15			13767374.6999	2106015.9583
CC				13777501.0098	2100652.1813
PT	4155+64.43			13767400.2204	2106063.8640
	Delta:	00-16-17	Type:	LEFT	
	Radius:	11459.1560	DOC:	00-30-00	
	Length:	54.2795	Tangent:	27.1398	
	Mid-Ord:	0.0321	External:	0.0321	
	Chord:	54.2794	Course:	N 61-57-17 E	
	Es:	0.0321			
PI	4165+46.44			13767863.9817	2106929.4645
	Length:	1650.0000	Course:	N 62-05-23 E	
	Delta:	0-16-15			
		Tangent Data			
	4155+64.43			13767400.2204	2106063.8640
	4165+19.36			13767851.1947	2106905.5978
	Length:	954.9312	Course:	N 61-49-08 E	
		Circular Curve Data			
PC	4165+19.36			13767851.1947	2106905.5978
CC				13757750.4053	2112317.2805
PT	4165+73.51			13767876.6558	2106953.3914
	Delta:	00-16-15	Type:	RIGHT	
	Radius:	11459.1560	DOC:	00-30-00	
	Length:	54.1525	Tangent:	27.0763	
	Mid-Ord:	0.0320	External:	0.0320	
	Chord:	54.1525	Course:	N 61-57-16 E	
	Es:	0.0320			
PI	4181+96.44			13768636.3263	2108387.5399
	Length:	1111.7167	Course:	N 86-01-09 E	
	Delta:	23-55-46			
		Tangent Data			
	4165+73.51			13767876.6558	2106953.3914
	4173+86.99			13768257.4325	2107672.2429
	Length:	813.4730	Course:	N 62-05-23 E	
		Circular Curve Data			
PC	4173+86.99			13768257.4325	2107672.2429
CC				13764882.0153	2109460.2061
PT	4189+82.29			13768692.5191	2109195.0377
	Delta:	23-55-46	Type:	RIGHT	
	Radius:	3819.7190	DOC:	01-30-00	
	Length:	1595.3005	Tangent:	809.4507	
	Mid-Ord:	82.9822	External:	84.8250	
	Chord:	1583.7312	Course:	N 74-03-16 E	
	Es:	84.8250			
PI	4192+84.55			13768713.5027	2109496.5745
		Tangent Data			
	4189+82.29			13768692.5191	2109195.0377
	4192+84.55			13768713.5027	2109496.5745
	Length:	302.2660	Course:	N 86-01-09 E	

FINAL ALIGNMENT, REVISED STATIONING

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS

12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)349-3371

STATE OF TEXAS — REGISTERED — HAL B. LANE III — 4690 — PROFESSIONAL — LAND SURVEYOR

DATED THIS THE 31 DAY OF AUGUST 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				3
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.		CONT.	SECT.	JOB
		2452	02	063
CONSTRUCTION		CONT.	SECT.	JOB

IH10 TO NW MILITARY, ORIGINAL STATIONING

Desc.	Station	Spiral/Curve Data		Northing	Easting
PI	0+00			13764938.4574	2096467.8219
	Length:	6698.3911	Course:	N 82-19-19 E	
PI	66+98.39			13765833.4153	2103106.1570
	Length:	3319.9352	Course:	N 62-05-25 E	
	Delta:	20-13-53			
		Tangent Data			
	0+00			13764938.4574	2096467.8219
	56+76.17			13765696.8391	2102093.1053
	Length:	5676.1744	Course:	N 82-19-19 E	
		Circular Curve Data			
PC	56+76.17			13765696.8391	2102093.1053
CC				13771375.0473	2101327.5884
PT	76+99.32			13766311.8923	2104009.4769
	Delta:	20-13-53	Type:	LEFT	
	Radius:	5729.5780	DOC:	01-00-00	
	Length:	2023.1468	Tangent:	1022.2167	
	Mid-Ord:	89.0664	External:	90.4728	
	Chord:	2012.6526	Course:	N 72-12-22 E	
	Es:	90.4728			
PI	99+97.04			13767387.4034	2106039.9414
	Length:	1009.1473	Course:	N 61-49-08 E	
	Delta:	0-16-17			
		Tangent Data			
	76+99.32			13766311.8923	2104009.4769
	99+69.90			13767374.6999	2106015.9583
	Length:	2270.5787	Course:	N 62-05-25 E	
		Circular Curve Data			
PC	99+69.90			13767374.6999	2106015.9583
CC				13777501.0098	2100652.1813
PT	100+24.18			13767400.2204	2106063.8640
	Delta:	00-16-17	Type:	LEFT	
	Radius:	11459.1560	DOC:	00-30-00	
	Length:	54.2795	Tangent:	27.1398	
	Mid-Ord:	0.0321	External:	0.0321	
	Chord:	54.2794	Course:	N 61-57-17 E	
	Es:	0.0321			
PI	110+06.19			13767863.9817	2106929.4645
	Length:	1650.0000	Course:	N 62-05-23 E	
	Delta:	0-16-15			
		Tangent Data			
	100+24.18			13767400.2204	2106063.8640
	109+79.11			13767851.1947	2106905.5978
	Length:	954.9312	Course:	N 61-49-08 E	
		Circular Curve Data			
PC	109+79.11			13767851.1947	2106905.5978
CC				13757750.4053	2112317.2805
PT	110+33.26			13767876.6558	2106953.3914
	Delta:	00-16-15	Type:	RIGHT	
	Radius:	11459.1560	DOC:	00-30-00	
	Length:	54.1525	Tangent:	27.0763	
	Mid-Ord:	0.0320	External:	0.0320	
	Chord:	54.1525	Course:	N 61-57-16 E	
	Es:	0.0320			
PI	126+56.19			13768636.3263	2108387.5399
	Length:	1111.7167	Course:	N 86-01-09 E	
	Delta:	23-55-46			
		Tangent Data			
	110+33.26			13767876.6558	2106953.3914
	118+46.74			13768257.4325	2107672.2429
	Length:	813.4730	Course:	N 62-05-23 E	
		Circular Curve Data			
PC	118+46.74			13768257.4325	2107672.2429
CC				13764882.0153	2109460.2061
PT	134+42.04			13768692.5191	2109195.0377
	Delta:	23-55-46	Type:	RIGHT	
	Radius:	3819.7190	DOC:	01-30-00	
	Length:	1595.3005	Tangent:	809.4507	
	Mid-Ord:	82.9822	External:	84.8250	
	Chord:	1583.7312	Course:	N 74-03-16 E	
	Es:	84.8250			
PI	137+44.30			13768713.5027	2109496.5745
		Tangent Data			
	134+42.04			13768692.5191	2109195.0377
	137+44.30			13768713.5027	2109496.5745
	Length:	302.2660	Course:	N 86-01-09 E	

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS

12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)349-3271

IH 10 TO STATION EQUATION, ORIGINAL STATIONING

Desc.	Station	Spiral/Curve Data		Northing	Easting
PI	0+00			13764943.4126	2096467.1539
	Length:	12158.8359	Course:	S 82-19-12 W	
PI	121+58.84			13763318.5028	2084417.3839
	Length:	6744.6338	Course:	S 39-19-18 W	
	Delta:	42-59-54			
		Tangent Data			
	0+00			13764943.4126	2096467.1539
	110+30.41			13763469.3059	2085535.6879
	Length:	11030.4098	Course:	S 82-19-12 W	
		Circular Curve Data			
PC	110+30.41			13763469.3059	2085535.6879
CC				13760630.2143	2085918.5390
PT	131+80.33			13762445.5500	2083702.3322
	Delta:	42-59-54	Type:	LEFT	
	Radius:	2864.7890	DOC:	02-00-00	
	Length:	2149.9233	Tangent:	1128.4261	
	Mid-Ord:	199.3249	External:	214.2306	
	Chord:	2099.8260	Course:	S 60-49-15 W	
	Es:	214.2306			
PI	187+96.54			13758100.8399	2080143.5004
	Length:	2639.9947	Course:	S 31-10-36 W	
	Delta:	8-08-42			
		Tangent Data			
	131+80.33			13762445.5500	2083702.3322
	183+88.60			13758416.4210	2080401.9987
	Length:	5208.2705	Course:	S 39-19-18 W	
		Circular Curve Data			
PC	183+88.60			13758416.4210	2080401.9987
CC				13754785.7497	2084834.4122
PT	192+03.10			13757751.8185	2079932.3208
	Delta:	08-08-42	Type:	LEFT	
	Radius:	5729.5780	DOC:	01-00-00	
	Length:	814.5000	Tangent:	407.9372	
	Mid-Ord:	14.4673	External:	14.5039	
	Chord:	813.8143	Course:	S 35-14-57 W	
	Es:	14.5039			
PI	214+35.16			13755842.1229	2078776.8368
	Length:	2632.9273	Course:	S 39-11-13 W	
	Delta:	8-00-37			
		Tangent Data			
	192+03.10			13757751.8185	2079932.3208
	210+33.99			13756185.3523	2078984.5118
	Length:	1830.8900	Course:	S 31-10-36 W	
		Circular Curve Data			
PC	210+33.99			13756185.3523	2078984.5118
CC				13759151.4211	2074082.4205
PT	218+35.02			13755531.1820	2078523.3587
	Delta:	08-00-37	Type:	RIGHT	
	Radius:	5729.5780	DOC:	01-00-00	
	Length:	801.0278	Tangent:	401.1675	
	Mid-Ord:	13.9928	External:	14.0271	
	Chord:	800.3756	Course:	S 35-10-54 W	
	Es:	14.0271			
PI	240+66.78			13753801.3675	2077113.2192
	Length:	3296.7091	Course:	S 45-15-30 W	
	Delta:	6-04-17			
		Tangent Data			
	218+35.02			13755531.1820	2078523.3587
	234+59.06			13754272.4030	2077497.2060
	Length:	1624.0425	Course:	S 39-11-13 W	
		Circular Curve Data			
PC	234+59.06			13754272.4030	2077497.2060
CC				13761512.8813	2068615.3295
PT	246+73.36			13753373.5880	2076681.5653
	Delta:	06-04-17	Type:	RIGHT	
	Radius:	11459.1560	DOC:	00-30-00	
	Length:	1214.2970	Tangent:	607.7173	
	Mid-Ord:	16.0807	External:	16.1033	
	Chord:	1213.7289	Course:	S 42-13-21 W	
	Es:	16.1033			
PI	273+62.35			13751480.7748	2074771.6085
	Length:	7100.0807	Course:	S 39-19-13 W	
	Delta:	5-56-17			
		Tangent Data			
	246+73.36			13753373.5880	2076681.5653
	267+68.01			13751899.1426	2075193.7656
	Length:	2094.6449	Course:	S 45-15-30 W	
		Circular Curve Data			
PC	267+68.01			13751899.1426	2075193.7656
CC				13743759.8493	2083260.0014
PT	279+55.64			13751020.9777	2074394.9988
	Delta:	05-56-17	Type:	LEFT	
	Radius:	11459.1560	DOC:	00-30-00	
	Length:	1187.6296	Tangent:	594.3469	
	Mid-Ord:	15.3823	External:	15.4030	
	Chord:	1187.0981	Course:	S 42-17-21 W	
	Es:	15.4030			
PI	344+61.37			13745988.0287	2070272.6212
	Length:	3750.0057	Course:	S 19-06-43 W	
	Delta:	20-12-30			
		Tangent Data			
	279+55.64			13751020.9777	2074394.9988
	337+80.74			13746514.5719	2070703.9012
	Length:	5825.1090	Course:	S 39-19-13 W	
		Circular Curve Data			
PC	337+80.74			13746514.5719	2070703.9012
CC				13744094.3857	2073658.6702
PT	351+27.85			13745344.9194	2070049.7747
	Delta:	20-12-30	Type:	LEFT	
	Radius:	3819.4190	DOC:	01-30-00	
	Length:	1347.1091	Tangent:	680.6249	
	Mid-Ord:	59.2369	External:	60.1701	
	Chord:	1340.1375	Course:	S 29-12-58 W	
	Es:	60.1701			
PI	381+97.23			13742444.7204	2069044.8145
	Length:	2450.9863	Course:	S 41-48-52 W	
	Delta:	22-42-09			
		Tangent Data			
	351+27.85			13745344.9194	2070049.7747
	376+22.13			13742988.1300	2069233.1136
	Length:	2494.2717	Course:	S 19-06-43 W	
		Circular Curve Data			
PC	376+22.13			13742988.1300	2069233.1136
CC				13743926.1038	2066526.2296
PT	387+57.25			13742016.0876	2068661.3769
	Delta:	22-42-09	Type:	RIGHT	
	Radius:	2864.7890	DOC:	02-00-00	
	Length:	1135.1298	Tangent:	575.1091	
	Mid-Ord:	56.0386	External:	57.1567	
	Chord:	1127.7186	Course:	S 30-27-48 W	
	Es:	57.1567			
PI	406+33.13			13740617.9832	2067410.6894
	Length:	634.2714	Course:	S 22-58-18 W	
	Delta:	18-50-35			
		Tangent Data			
	387+57.25			13742016.0876	2068661.3769
	399+98.86			13741090.7101	2067833.5717
	Length:	1241.6058	Course:	S 41-48-52 W	
		Circular Curve Data			
PC	399+98.86			13741090.7101	2067833.5717
CC				13738542.2135	2070682.4563
PT	412+55.95			13740034.0104	2067163.1495
	Delta:	18-50-35	Type:	LEFT	
	Radius:	3822.4309	DOC:	01-29-56	
	Length:	1257.0887	Tangent:	634.2714	
	Mid-Ord:	51.5612	External:	52.2663	
	Chord:	1251.4313	Course:	S 32-23-35 W	
	Es:	52.2663			
PT	412+55.95 (STATION EQUATION)			13740034.0104	2067163.1495
	STA. 412+55.95 (BACK)				
	STA. 411+87.44 (AHEAD)				

STATION EQUATION TO PT PAST SH151 ORIGINAL STATIONING

Desc.	Station	Spiral/Curve Data		Northing	Easting
	STA. 412+55.95 (BACK)				
	STA. 411+87.44 (AHEAD)				
PI	411+87.44 (STA. EQUATION)			13740034.0104	2067163.1495
	Length:	4995.5600	Course:	S 22-58-18 W	
PI	461+83			13735434.6054	2065213.5103
	Length:	3952.0715	Course:	S 23-34-05 W	
	Delta:	0-35-48			
		Tangent Data			
	411+87.44			13740034.0104	2067163.1495
	460+63.68			13735544.4648	2065260.0786
	Length:	4876.2382	Course:	S 22-58-18 W	
		Circular Curve Data			
PC	460+63.68			13735544.4648	2065260.0786
CC				13744488.8952	2044159.2210
PT	463+02.32			13735325.2368	2065165.8007
	Delta:	00-35-48	Type:	RIGHT	
	Radius:	22918.3120	DOC:	00-15-00	
	Length:	238.6415	Tangent:	119.3218	
	Mid-Ord:	0.3106	External:	0.3106	
	Chord:	238.6404	Course:	S 23-16-12 W	
	Es:	0.3106			
PI	501+35.07			13731812.1961	2063633.3140
	Length:	1048.7542	Course:	S 17-47-10 W	
	Delta:	5-46-56			
		Tangent Data			
	463+02.32			13735325.2368	2065165.8007
	497+49.27			13732165.8161	2063787.5729
	Length:	3446.9480	Course:	S 23-34-05 W	
		Circular Curve Data			
PC	497+49.27			13732165.8161	2063787.5729
CC				13729111.2635	2070789.7659
PT	505+20.22			13731444.8344	2063515.4656
	Delta:	05-46-56	Type:	LEFT	
	Radius:	7639.4370	DOC:	00-45-00	
	Length:	770.9483	Tangent:	385.8016	
	Mid-Ord:	9.7232	External:	9.7355	
	Chord:	770.6212	Course:	S 20-40-38 W	
	Es:	9.7355			
PI	511+83.17			13730813.5685	2063312.9576
	Length:	5640.3374	Course:	S 24-28-20 W	
	Delta:	6-41-11			
		Tangent Data			
	505+20.22			13731444.8344	2063515.4656
	507+36.91			13731238.4965	2063449.2731
	Length:	216.6951	Course:	S 17-47-10 W	
		Circular Curve Data			
PC	507+36.91			13731238.4965	2063449.2731
CC				13733572.0675	2056174.9728
PT	516+28.41			13730407.4021	2063128.0937
	Delta:	06-41-11	Type:	RIGHT	
	Radius:	7639.4370	DOC:	00-45-00	
	Length:	891.5020	Tangent:	446.2575	
	Mid-Ord:	13.0008	External:	13.0230	
	Chord:	890.9962	Course:	S 21-07-45 W	
	Es:	13.0230			
PI	568+22.49			13725679.9509	2060976.4267
	Length:	737.5103	Course:	S 02-36-58 W	
	Delta:	21-51-23			
		Tangent Data			
	516+28.41			13730407.4021	2063128.0937
	560+84.98			13726351.2044	2061281.9431
	Length:	4456.5695	Course:	S 24-28-20 W	
		Circular Curve Data			
PC	560+84.98			13726351.2044	2061281.9431
CC				13724768.8714	2064758.5040
PT	575+42.07			13724943.2091	2060942.7656
	Delta:	21-51-23	Type:	LEFT	
	Radius:	3819.7190	DOC:	01-30-00	
	Length:	1457.0906	Tangent:	737.5103	
	Mid-Ord:	69.2683	External:	70.5477	
	Chord:	1448.2721	Course:	S 13-32-39 W	
	Es:	70.5477			
PI	575+42.07			13724943.2091	2060942.7656

FINAL ALIGNMENT, ORIGINAL STATIONING

STATE OF TEXAS
REGISTERED
HAL B. LANE III
4690
PROFESSIONAL
LAND SURVEYOR

DATED THIS THE 31 DAY OF AUGUST, 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				3A
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.		CONT.	SECT.	JOB
		2452	02	063
CONSTRUCTION		CONT.	SECT.	JOB

COMPUTED RIGHT-OF-WAY POINTS

NUMBER	NORTHING	EASTING	DESCRIPTION
423	13756520.8012	2079525.1482	FOUND TYPE II
428	13739495.9536	2067119.7153	SET TYPE II MON
430	13738936.5575	2066512.3852	NOT SET/OBSTRUCTION
435	13737474.7325	2065861.0724	FOUND TYPE II
436	13737432.7012	2065755.2614	FOUND TYPE II
437	13737282.2744	2065696.3279	SET TYPE II MON
438	13737208.1146	2065726.3332	SET TYPE II MON
439	13736266.5554	2065805.1141	FOUND TYPE II
451	13736192.8995	2065773.8922	FOUND TYPE II
454	13735562.3496	2065069.6105	NOT SET/OBSTRUCTION
455	13735555.0328	2065085.0691	SET TYPE II MON
460	13735655.5174	2065546.1016	FOUND TYPE II
464	13735061.2285	2065235.3621	FOUND TYPE II
465	13734617.7791	2065042.6574	NOT SET/OBSTRUCTION
466	13734785.6280	2064745.4499	SET TYPE II MON
467	13734339.2348	2064551.0153	SET TYPE II MON
468	13734249.1465	2064887.3061	NOT SET/OBSTRUCTION
470	13733913.5118	2064740.8928	FOUND TYPE II
472	13734209.8323	2064477.3939	SET TYPE II MON
474	13733914.6816	2064348.6409	NOT SET/OBSTRUCTION
475	13733797.4350	2064297.1616	NOT SET/OBSTRUCTION
476	13733653.3620	2064252.2766	SET TYPE II MON
477	13733699.1955	2064647.4021	SET TYPE II MON
478	13733242.8977	2064442.8971	SET TYPE II MON
479	13733178.1614	2064045.3735	SET TYPE II MON
480	13731999.0233	2063530.2667	SET TYPE II MON
481	13732417.9712	2064083.0411	NOT SET/OBSTRUCTION
482	13732232.6573	2064007.6570	NOT SET/OBSTRUCTION
483	13732047.4214	2063929.1110	SET TYPE III MON
484	13731923.1292	2063876.3868	SET TYPE III MON
485	13731869.2611	2063853.5372	NOT SET/OBSTRUCTION
486	13731687.2188	2063783.8917	NOT SET/OBSTRUCTION
487	13731496.5384	2063737.8084	SET TYPE II MON
488	13730926.5650	2063065.8132	SET TYPE II MON
489	13730901.5302	2063609.3077	SET TYPE II MON
490	13730704.2130	2063546.1738	NOT SET/OBSTRUCTION
492	13730182.4770	2062723.2029	NOT SET/OBSTRUCTION
493	13729827.2654	2062563.5524	SET TYPE II MON
494	13730118.6295	2063348.2469	SET TYPE II MON
495	13729870.0644	2063235.1142	SET TYPE III MON
496	13729606.7547	2063115.2706	SET TYPE II MON
497	13729541.3892	2063140.4552	NOT SET/OBSTRUCTION
498	13729697.4400	2062403.5460	FOUND TYPE II
499	13729593.9432	2062450.2158	FOUND TYPE II
500	13729275.3455	2062305.2082	FOUND TYPE II
501	13729085.1328	2062240.6083	FOUND TYPE II
502	13729394.6562	2063068.1791	SET TYPE II MON
505	13729361.6052	2062959.7442	SET TYPE II MON
506	13729042.9457	2062814.7085	FOUND TYPE II
507	13728869.2992	2062713.7003	SET TYPE II MON
508	13728432.4217	2062514.8585	SET TYPE II MON
509	13728720.6466	2062074.7149	NOT SET/OBSTRUCTION
510	13727999.5968	2062248.5000	FOUND TYPE II
511	13728070.6745	2061862.9356	FOUND TYPE II
512	13727251.5737	2061361.6338	SET TYPE II MON
513	13727130.1200	2061906.1120	FOUND TYPE II
514	13726779.4100	2061831.5590	FOUND TYPE II
515	13726294.0200	2061808.4250	FOUND TYPE II
517	13726863.6697	2060808.9799	NOT SET/OBSTRUCTION
523	13753252.6726	2076801.0622	SET TYPE II MON
586	13741530.0273	2068556.8470	FOUND TYPE II
587	13741481.1400	2068559.0530	FOUND TYPE II
588	13741434.7361	2068468.1283	FOUND TYPE II
589	13741436.9613	2068517.7855	FOUND TYPE II
590	13740458.8400	2067644.0179	FOUND TYPE II
591	13740272.4232	2067534.4533	FOUND TYPE II
592	13740164.6780	2067477.2778	SET TYPE II MON

COMPUTED RIGHT-OF-WAY POINTS

NUMBER	NORTHING	EASTING	DESCRIPTION
593	13741428.9210	2067908.0275	FOUND TYPE II
594	13744616.6018	2069495.7769	SET TYPE II MON
595	13744368.9275	2069431.1209	SET TYPE II MON
596	13743070.0166	2068996.9048	FOUND TYPE II
597	13742003.8055	2068314.9576	FOUND TYPE II
598	13739767.2796	2067247.7611	SET TYPE II MON
600	13768422.2400	2107492.0090	TYPE II SET BY OTHERS
601	13768455.3300	2107384.3640	TYPE II SET BY OTHERS
602	13768399.0200	2107278.3990	NOT SET/OBSTRUCTION
603	13768264.6900	2107237.1010	SET TYPE II MON
604	13768042.7800	2107715.6410	TYPE II SET BY OTHERS
605	13767908.3200	2107674.3030	TYPE II SET BY OTHERS
606	13767852.0000	2107568.3380	NOT SET/OBSTRUCTION
607	13767883.0200	2107467.4520	NOT SET/OBSTRUCTION
608	13768236.6300	2107141.6190	SET TYPE II MON
609	13768180.4600	2107035.5770	SET TYPE II MON
610	13768093.5800	2106914.2740	SET TYPE II MON
611	13767900.5859	2106549.7680	SET TYPE II MON
612	13767814.2647	2106404.7536	SET TYPE III MON
613	13767745.2871	2106288.8947	SET TYPE III MON
614	13767599.1862	2106043.4947	SET TYPE II MON
615	13767388.5513	2105646.8751	FOUND TYPE II
616	13767287.4077	2105530.6993	SET TYPE II MON
617	13767012.9184	2105653.4082	FOUND TYPE II
618	13767050.8886	2105746.4563	FOUND TYPE II
619	13767325.0963	2106264.2691	FOUND TYPE II
620	13767529.4141	2106746.3015	FOUND TYPE II
621	13767630.4055	2106991.1086	FOUND TYPE II
622	13767709.0884	2107139.0910	SET TYPE III MON
623	13767767.5036	2107249.6266	NOT SET/OBSTRUCTION
624	13766895.4874	2104790.7903	SET TYPE III MON
625	13766825.2776	2104658.2409	SET TYPE III MON
626	13766618.6812	2104909.1252	SET TYPE III MON
627	13766548.4695	2104776.5721	SET TYPE III MON
628	13766332.8081	2103717.2361	SET TYPE III MON
629	13766193.4597	2103398.4655	SET TYPE III MON
630	13766141.8894	2104007.9855	SET TYPE III MON
631	13765977.6356	2103660.4672	SET TYPE III MON
632	13765839.9421	2103312.2268	SET TYPE II MON
633	13765776.3041	2103284.1690	SET TYPE II MON
634	13765749.6466	2103201.0366	SET TYPE II MON
635	13765779.8538	2103135.9865	SET TYPE II MON
636	13766175.9304	2104073.2434	NOT SET/OBSTRUCTION
637	13766441.0484	2103932.8424	SET TYPE II MON
638	13765846.4287	2102079.9631	FOUND TYPE II
639	13765549.0893	2102119.8327	FOUND TYPE II
640	13765789.7391	2101659.5011	NOT SET/OBSTRUCTION
641	13765784.4656	2101620.3850	SET TYPE II MON
642	13765485.7981	2101650.4004	SET TYPE II MON
643	13765480.6940	2101612.5409	SET TYPE II MON
644	13764934.4769	2097560.9847	SET TYPE II MON
645	13764714.0303	2097181.8893	NOT SET/OBSTRUCTION
650	13765476.8144	2096922.5688	NOT SET/OBSTRUCTION
651	13765343.7537	2097097.0791	NOT SET/OBSTRUCTION
652	13765290.3062	2097162.7224	FOUND TYPE II
653	13765299.2014	2098020.9465	SET TYPE II MON
658	13765337.4575	2095887.0326	FOUND TYPE II
659	13765222.7109	2095799.6378	FOUND TYPE II
660	13765109.0336	2095637.5789	FOUND TYPE II
661	13765081.1983	2095431.1617	FOUND TYPE II
662	13764554.5805	2095500.3594	SET TYPE II MON
663	13765117.9415	2095356.7846	FOUND TYPE II
664	13764516.8100	2095572.7670	FOUND TYPE II
665	13764518.3700	2095685.1470	FOUND TYPE II
666	13764567.3989	2095710.5044	FOUND TYPE II
667	13764518.9683	2095857.0296	SET TYPE II MON
671	13765074.3255	2095267.9543	FOUND TYPE II

COMPUTED RIGHT-OF-WAY POINTS

NUMBER	NORTHING	EASTING	DESCRIPTION
672	13765043.7390	2095041.1348	SET TYPE II MON
673	13764498.2216	2094811.9823	SET TYPE II MON
674	13764429.3004	2095123.9917	SET TYPE II MON
675	13764841.2015	2094362.2926	SET TYPE II MON
676	13764484.4308	2094410.4031	SET TYPE II MON
677	13764387.9039	2093567.6430	SET TYPE II MON
678	13764370.0733	2093554.6385	SET TYPE II MON
679	13764358.8517	2093434.5183	SET TYPE II MON
680	13764370.6352	2093416.8788	SET TYPE II MON
681	13764687.7648	2093374.1139	SET TYPE II MON
682	13764292.3788	2093023.6257	SET TYPE II MON
683	13764659.0844	2092974.3610	SET TYPE II MON
684	13764666.6156	2092469.0014	SET TYPE II MON
685	13764151.3393	2092538.9336	SET TYPE II MON
686	13764077.7779	2091993.4278	SET TYPE II MON
687	13764593.1135	2091923.9349	NOT SET/OBSTRUCTION
688	13764514.8668	2091642.9877	SET TYPE II MON
689	13764078.5399	2091789.5646	FOUND TYPE II
690	13764386.4594	2090690.7706	SET TYPE III MON
691	13761583.0902	2082714.3497	SET TYPE III MON
692	13763903.6859	2090492.9037	SET TYPE III MON
693	13763890.1160	2090392.2745	SET TYPE III MON
694	13763831.6179	2089958.4760	FOUND TYPE II
695	13763750.8371	2089868.2585	FOUND TYPE II
696	13763734.8063	2089749.4128	SET TYPE II MON
697	13763791.5155	2089661.0867	FOUND TYPE II
698	13764286.2292	2089947.4982	SET TYPE III MON
699	13764087.1205	2088470.9685	FOUND TYPE II
700	13764121.7761	2088428.6595	NOT SET/OBSTRUCTION
701	13764096.8706	2088324.0403	FOUND TYPE II
702	13764065.7349	2088312.3883	FOUND TYPE II
703	13763649.1961	2088605.6954	SET TYPE II MON
704	13763568.4900	2088515.7730	FOUND TYPE II
705	13763552.4900	2088396.8670	SET TYPE II MON
706	13763606.4312	2088288.5657	SET TYPE II MON
707	13763972.1947	2087618.7266	SET TYPE III MON
708	13763915.8430	2087200.8420	SET TYPE III MON
709	13763912.7595	2087177.9759	SET TYPE II MON
710	13763909.8793	2086819.8875	NOT SET/OBSTRUCTION
711	13763359.8576	2086894.0621	NOT SET/OBSTRUCTION
712	13763456.0926	2087173.7066	NOT SET/OBSTRUCTION
713	13763306.4078	2086497.6969	SET TYPE III MON
714	13763251.9174	2086093.6146	FOUND TYPE II
715	13763214.2815	2086056.0422	SET TYPE II MON
716	13763193.4475	2085882.2691	SET TYPE II MON
717	13763229.0840	2085827.0142	FOUND TYPE II
718	13763199.0152	2085604.0340	FOUND TYPE II
719	13763840.8702	2086308.1395	NOT SET/OBSTRUCTION
720	13763912.8831	2086250.6117	SET TYPE II MON
721	13763820.3676	2086058.7537	FOUND TYPE II
722	13763804.0531	2086033.9022	SET TYPE II MON
723	13763692.8304	2085208.7558	SET TYPE II MON
724	13763574.4526	2084901.9901	SET TYPE II MON
725	13763411.1005	2084618.4326	FOUND TYPE II
726	13763247.1463	2084342.6574	FOUND TYPE II
727	13763064.0938	2084080.7567	FOUND TYPE II
728	13762855.0085	2083839.8301	FOUND TYPE II
729	13762628.8291	2083614.9001	FOUND TYPE II
730	13762595.6022	2084082.1797	FOUND TYPE II
731	13762776.8219	2084297.7241	FOUND TYPE II
732	13762864.5490	2084443.7526	SET TYPE II MON
733	13762959.1100	2084642.0760	FOUND TYPE II
734	13762981.4030	2084813.8432	FOUND TYPE II
735	13762981.7595	2084843.8411	FOUND TYPE II
736	13762983.6505	2085002.9386	FOUND TYPE II
737	13763056.4402	2085002.7154	FOUND TYPE II
738	13763133.0078	2085280.8693	FOUND TYPE II

COMPUTED RIGHT-OF-WAY POINTS

NUMBER	NORTHING	EASTING	DESCRIPTION
739	13763132.6679	2085322.7947	SET TYPE II MON
740	13763160.1300	2085322.6010	FOUND TYPE II
741	13763186.2500	2085419.5610	FOUND TYPE II
742	13762306.8639	2083368.9807	FOUND TYPE II
743	13761837.3821	2082984.4195	SET TYPE II MON
744	13761358.4797	2082475.8029	NOT SET/OBSTRUCTION
745	13761028.9660	2082878.0723	SET TYPE II MON
746	13761704.8804	2083315.3874	SET TYPE II MON
747	13761474.0730	2082598.5683	SET TYPE III MON
748	13762338.1427	2083834.1042	FOUND TYPE II
749	13760943.4133	2082807.9946	SET TYPE III MON
750	13760836.2897	2082720.2476	NOT SET/OBSTRUCTION
751	13760662.2770	2081905.5305	NOT SET/OBSTRUCTION
752	13760514.4044	2081768.8934	NOT SET/OBSTRUCTION
753	13760302.4996	2081595.3184	FOUND TYPE II
754	13760301.0985	2081480.4171	NOT SET/OBSTRUCTION
755	13760215.2600	2081360.0680	FOUND TYPE II
756	13760081.9486	2081430.1729	FOUND TYPE II
757	13759594.8061	2081031.1454	NOT SET/OBSTRUCTION
758	13759424.2887	2080891.4715	SET TYPE III MON
759	13759121.1976	2081315.3843	SET TYPE III MON
760	13759275.9290	2081442.1275	NOT SET/OBSTRUCTION
761	13758223.9791	2079908.2759	NOT SET/OBSTRUCTION
762	13758321.2160	2080660.1046	NOT SET/OBSTRUCTION
763	13758091.1893	2080482.8973	NOT SET/OBSTRUCTION
764	13757857.3451	2080318.4278	FOUND TYPE II
765	13757983.3342	2079762.6720	SET TYPE II MON
766	13757725.9040	2080226.3706	NOT SET/OBSTRUCTION
767	13757575.7448	2080135.5181	FOUND TYPE II
768	13757451.3593	2080246.2799	FOUND TYPE II
769	13757304.2012	2080053.2320	SET TYPE II MON
770	13757233.4332	2079928.3984	NOT SET/OBSTRUCTION
771	13757422.2485	2079423.1778	NOT SET/OBSTRUCTION
772	13757317.0400	2079258.9910	FOUND TYPE II
773	13757193.1694	2079114.7885	SET TYPE II MON
774	13757037.2816	2079190.2491	NOT SET/OBSTRUCTION
775	13756566.7147	2078905.5269	SET TYPE III MON
776	13756823.3876	2079060.8299	SET TYPE III MON
777	13756566.9136	2079525.1128	NOT SET/OBSTRUCTION
778	13756309.2000	2079427.6490	FOUND TYPE II
779	13756292.4140	2079359.0256	FOUND TYPE II
780	13738575.0547	2066729.3560	FOUND TYPE II
781	13756322.6359	2078757.8441	FOUND TYPE II
782	13755868.7344	2079102.4765	SET TYPE II MON
783	13756192.0737	2078670.3653	FOUND TYPE II
784	13755923.8911	2078553.8431	NOT SET/OBSTRUCTION
785	13755603.4908	2078820.9428	FOUND TYPE II
786	13755374.4797	2078614.9449	FOUND TYPE II
787	13755589.3527	2078351.4499	SET TYPE II MON
788	13754612.8825	2077555.4344	NOT SET/OBSTRUCTION
789	13754504.3699	2077466.9752	SET TYPE III MON
790	13754266.2926	2077711.5544	NOT SET/OBSTRUCTION
791	13754164.7106	2077628.7448	FOUND TYPE II
792	13754379.4891	2077365.1728	FOUND TYPE II
793	13753824.9380	2077340.7396	FOUND TYPE II
794	13754049.6907	2077085.6203	FOUND TYPE II
795	13753758.5249	2076819.9013	FOUND TYPE II
796	13753525.1521	2077067.1594	FOUND TYPE II
797	13753353.6710	2076419.9404	SET TYPE III MON
798	13753490.9171	2076558.4629	SET TYPE II MON
799	13753310.2712	2076857.3117	NOT SET/OBSTRUCTION
800	13753172.0797	2076719.7259	SET TYPE III MON
801	13752917.9345	2076478.5975	SET TYPE III MON
802	13753024.2515	2076570.5723	NOT SET/OBSTRUCTION
803	13753265.7492	2076331.2422	SET TYPE II MON
804	13753109.3282	2076147.7905	SET TYPE III MON
805	13753012.6518	2076034.4120	SET TYPE III MON

COMPUTED RIGHT-OF-WAY POINTS

NUMBER	NORTHING	EASTING	DESCRIPTION
806	13752808.1228	2076383.2445	SET TYPE III MON
807	13752721.2035	2076307.3985	FOUND TYPE II
808	13753005.4024	2076025.9184	SET TYPE II MON
809	13752822.6914	2075784.7274	FOUND TYPE II
810	13752481.6120	2076122.4623	FOUND TYPE II
811	13752550.7158	2075474.7726	SET TYPE II MON
812	13752182.4158	2075856.0720	SET TYPE II MON
813	13752174.1166	2075847.6977	SET TYPE III MON
814	13751962.7249	2075634.3913	SET TYPE III MON
815	13752154.2604	2075074.7265	SET TYPE III MON
816	13752068.2314	2074987.9183	SET TYPE II MON
817	13751746.5152	2075416.2234	FOUND TYPE II
818	13763188.1214	2085447.5851	NOT SET/OBSTRUCTION
819	13752034.8149	2074951.4740	SET TYPE III MON
820	13751797.5689	2074692.7321	FOUND TYPE II
821	13751734.4506	2074514.4588	SET TYPE II MON
822	13751754.8900	2074394.7020	FOUND TYPE II
823	13752012.2100	2074086.3550	FOUND TYPE II
824	13751366.2382	2075074.7662	FOUND TYPE II
825	13751249.0500	2075028.9300	FOUND TYPE II
826	13751119.4953	2075037.1996	SET TYPE II MON
827	13751023.3500	2075078.9330	FOUND TYPE II
828	13750945.6902	2075140.9882	FOUND TYPE II
829	13751649.2954	2074175.0372	SET TYPE II MON
830	13751578.6765	2074216.6045	SET TYPE II MON
831	13751476.1665	2074255.7021	FOUND TYPE II
832	13751319.5255	2074240.7665	SET TYPE II
833	13751198.7126	2074173.6608	NOT SET/OBSTRUCTION
834	13750837.0700	2074618.9550	SET TYPE II
835	13750877.6200	2074699.6010	SET TYPE II MON
836	13750893.1800	2074805.5800	SET TYPE II
837	13750866.7090	2074920.5935	NOT SET/OBSTRUCTION
838	13750803.7993	2074997.3589	FOUND TYPE II
839	13750692.5118	2073789.8762	SET TYPE II MON
840	13750545.0724	2074341.2841	NOT SET/OBSTRUCTION
841	13749811.8423	2073066.3704	NOT SET/OBSTRUCTION
842	13750225.0396	2073406.9801	FOUND TYPE II
843	13749886.9865	2073802.2604	SET TYPE II MON
844	13749400.6840	2072835.1788	NOT SET/OBSTRUCTION
845	13749143.2648	2073193.0890	SET TYPE II MON
846	13748856.2162	2072884.3586	SET TYPE II MON
847	13749015.3000	2072504.8700	FOUND TYPE II
848	13749020.1200	2072491.0620	FOUND TYPE II
849	13748970.0900	2072466.2120	FOUND TYPE II
850	13738159.6406	2066607.5729	FOUND TYPE II
851	13748531.5338	2072633.8654	FOUND TYPE II
852	13748379.9805	2072503.2682	FOUND TYPE II
853	13748033.5864	2071663.7141	NOT SET/OBSTRUCTION
854	13747761.1186	2071996.3702	SET TYPE II MON
855	13747724.1798	2071410.2861	FOUND TYPE II
856	13747445.3076	2071750.6245	FOUND TYPE II
857	13747566.3005	2071287.4337	FOUND TYPE II
858	13747290.4428	2071623.7782	FOUND TYPE II
859	13747405.1896	2071168.3973	FOUND TYPE II
860	13742533.9100	2069373.1570	FOUND TYPE II
861	13742385.4800	2069290.5000	FOUND TYPE II
862	13747079.9162	2070934.2908	FOUND TYPE II
863	13746845.4768	2071220.5368	FOUND TYPE II
864	13746925.2280	2070807.5873	FOUND TYPE II
865	13746536.0679	2070967.1074	FOUND TYPE II
866	13746207.7861	2070757.3830	SET TYPE II MON
867	13746472.7320	2070393.6473	FOUND TYPE II
868	13746305.8448	2070260.4704	SET TYPE II MON
869	13746044.8512	2070663.3146	SET TYPE II MON
870	13746133.4177	2070136.9440	SET TYPE II MON
871	13745714.2107	2070489.1859	SET TYPE II MON
872	13745946.2908	2070035.0507	SET TYPE II MON

COMPUTED RIGHT-OF-WAY POINTS

NUMBER	NORTHING	EASTING	DESCRIPTION
874	13762981.0464	2084783.8453	FOUND TYPE II
875	13745619.9575	2069848.3046	FOUND TYPE II
876	13741670.5950	2068687.7454	FOUND TYPE II
877	13745230.8452	2069708.6210	SET TYPE II MON
878	13745192.1816	2069626.6319	SET TYPE II MON
879	13745106.5700	2069515.2640	FOUND TYPE II
880	13744900.2727	2069594.0729	FOUND TYPE II
881	13745045.8515	2070242.4771	NOT SET/OBSTRUCTION
882	13744881.5381	2070320.4893	NOT SET/OBSTRUCTION
883	13744778.0499	2070257.4814	NOT SET/OBSTRUCTION
884	13744715.1432	2070127.8820	FOUND TYPE II
885	13744232.0899	2069383.7048	SET TYPE II MON
886	13744337.1909	2069996.9161	FOUND TYPE II
887	13743969.1900	2069837.6490	FOUND TYPE II
888	13744038.4061	2069332.4656	FOUND TYPE II
889	13737340.0931	2066260.1754	FOUND TYPE II
890	13743213.4157	2069043.4620	SET TYPE II MON
891	13743515.4016	2069680.4044	FOUND TYPE II
892	13737270.8086	2066230.8065	FOUND TYPE II
893	13743372.7691	2069630.9802	FOUND TYPE II
894	13743355.1091	2069095.6934	FOUND TYPE II
895	13743195.3637	2069037.5726	FOUND TYPE II
896	13742906.5371	2069469.4242	FOUND TYPE II
897	13743094.7237	2069005.2863	SET TYPE II MON
898	13742877.0334	2068921.3440	SET TYPE II MON
899	13742684.5300	2069392.5320	FOUND TYPE II
900	13742616.8645	2069364.0014	FOUND TYPE II
901	13742690.6783	2068830.7567	FOUND TYPE II
902	13742512.0505	2068725.6783	FOUND TYPE II
903	13742360.1260	2069224.2473	FOUND TYPE II
904	13742342.2927	2068606.7738	FOUND TYPE II
905	13742183.0597	2069107.6454	SET TYPE II MON
906	13742197.8246	2068487.4690	FOUND TYPE II
907	13742011.6528	2068983.2171	SET TYPE II MON
908	13741849.2400	2068847.5750	FOUND TYPE II
909	13742135.3895	2068432.6673	FOUND TYPE II
910	13734045.7505	2064798.5790	FOUND TYPE II
911	13730048.4307	2063316.2964	SET TYPE III MON
912	13740937.3032	2068004.9378	FOUND TYPE II
913	13740784.7413	2067875.9230	SET TYPE II MON
914	13740892.5159	2067428.1962	SET TYPE II MON
915	13740924.5490	2067383.6474	SET TYPE II MON
916	13740948.6457	2067331.9251	NOT SET/OBSTRUCTION
917	13740531.2475	2067141.1065	FOUND TYPE II
918	13740698.9550	2067811.2124	SET TYPE II MON
919	13740624.9602	2067755.3885	FOUND TYPE II
920	13740402.0557	2067610.3764	FOUND TYPE II
921	13740286.3578	2067541.8321	SET TYPE II MON
922	13740225.7330	2067065.7336	SET TYPE II MON
923	13763169.4347	2085357.3756	SET TYPE III MON
924	13738774.4092	2066443.1744	SET TYPE II MON
925	13738597.7731	2066337.1174	SET TYPE II MON
926	13736885.8701	2065589.7372	SET TYPE II MON
927	13736601.8550	2065491.0688	SET TYPE II MON
928	13736399.3013	2065405.2084	SET TYPE II MON
929	13736133.8134	2065314.0786	SET TYPE II MON
930	13729808.7382	2062514.2351	SET TYPE II MON

CENTERLINE CONTROL POINTS

NUMBER	NORTHING	EASTING	DESCRIPTION
100	13765696.8391	2102093.1053	CL_PC, SET 1"SQ.BAR
101	13766311.8923	2104009.4769	CL_PT, SET 1"SQ.BAR
102	13765833.4153	2103106.1570	CL_PI, SET 1"SQ.BAR
103	13767374.6999	2106015.9583	CL_PC, SET 1"SQ.BAR
104	13767400.2204	2106063.8640	CL_PT, SET 1"SQ.BAR
105	13767851.1947	2106905.5978	CL_PC, SET 1"SQ.BAR
106	13767876.6558	2106953.3914	CL_PT, SET 1"SQ.BAR
107	13768257.4325	2107672.2429	CL_PC, SET 1"SQ.BAR
1034	13767387.4600	2106040.0470	CL_PI,FND. 1" SQ. BAR
297	13688838.1004	2064043.6160	PI-US90&LP1604
298	13767863.9817	2106929.4645	CL_PI, FND. 1" SQ. BAR
299	13768636.3263	2108387.5399	CL_PI, FND. 1" SQ. BAR
400	13764943.4126	2096467.1539	SET RR SPIKE
503	13763469.3059	2085535.6879	CL_PT,SET 1"SQ.BAR
504	13763318.5028	2084417.3839	CL_PT,SET 1"SQ.BAR
526	13762445.5500	2083702.3322	CL_PT,SET 1"SQ.BAR
527	13758416.4210	2080401.9987	CL_PT,SET 1"SQ.BAR
528	13758100.8399	2080143.5004	CL_PI, SET 1"SQ.BAR
529	13757751.8185	2079932.3208	CL_PT,SET 1"SQ.BAR
530	13756185.3523	2078984.5118	CL_PT,SET 1"SQ.BAR
531	13755842.1229	2078776.8368	CL_PI, SET 1"SQ.BAR
532	13755531.1820	2078523.3587	CL_PT,SET 1"SQ.BAR
533	13754272.4030	2077497.2060	CL_PT,SET 1"SQ.BAR
534	13753373.5880	2076681.5653	CL_PT,SET 1"SQ.BAR
535	13753801.3675	2077113.2192	CL_PI, SET 1"SQ.BAR

NUMBER	NORTHING	EASTING	DESCRIPTION
536	13751899.1426	2075193.7656	CL_PT,SET 1"SQ.BAR
537	13751020.9777	2074394.9988	CL_PT,SET 1"SQ.BAR
538	13751480.7748	2074771.6085	CL_PI, SET 1"SQ.BAR
539	13745988.0287	2070272.6212	CL_PI, SET 1"SQ.BAR
540	13746514.5719	2070703.9012	CL_PT,SET 1"SQ.BAR
541	13745344.9194	2070049.7747	CL_PT,SET 1"SQ.BAR
542	13742444.7204	2069044.8145	CL_PI, SET 1"SQ.BAR
544	13742988.1300	2069233.1136	CL_PT,SET 1"SQ.BAR
545	13742016.0876	2068661.3769	CL_PT,SET 1"SQ.BAR
546	13741090.7101	2067833.5717	CL_PT,SET 1"SQ.BAR
547	13740034.0104	2067163.1495	CL_PT,SET 1"SQ.BAR
548	13740617.9832	2067410.6894	CL_PI, SET 1"SQ.BAR
549	13735544.4648	2065260.0786	CL_PT,SET 1"SQ.BAR
550	13735434.6054	2065213.5103	CL_PI, SET 1"SQ.BAR
551	13725896.5472	2061109.0382	CL_PI, SET 1"SQ.BAR
552	13726351.2044	2061281.9431	CL_PT,SET 1"SQ.BAR
553	13730407.4021	2063128.0937	CL_PC,SET 1"SQ.BAR
554	13730813.5685	2063312.9576	CL_PI, SET 1"SQ.BAR
555	13731238.4965	2063449.2731	CL_PT,SET 1"SQ.BAR
556	13731444.8325	2063515.4650	CL_PC,SET 1"SQ.BAR
557	13725679.9509	2060976.4267	CL_PI, SET 1"SQ.BAR
558	13731812.1961	2063633.3140	CL_PI, SET 1"SQ.BAR
559	13732165.8161	2063787.5729	CL_PT,SET 1"SQ.BAR
561	13735325.2368	2065165.8007	CL_PC,SET 1"SQ.BAR
654	13764938.4574	2096467.8219	SET RR SPIKE

MAIN TRAVERSE CONTROL POINTS

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	13765533.1514	2099806.0211	1041.78	VA1
2	13764536.9671	2096107.5225	1010.96	VA2
3	13759959.3675	2081567.2816	1006.53	VA3
5	13768909.3157	2111192.6122	1031.61	H0150243
6	13763509.6718	2087005.7312	1002.60	Z0151165AZ
8	13763091.9934	2084300.3818	1010.91	Z0151165
9	13761932.8059	2066227.8088	1079.85	Z0151235
10	13749149.8385	2073182.7499	1019.49	Z0151155AZ
11	13747864.3930	2071606.1465	1035.89	Z0151155
13	13745958.6857	2070325.1472	985.86	PISH13
19	13753800.6755	2077112.6390	933.24	PISH19
21	13755842.2159	2078777.0525	958.71	PISH21
22	13758100.9123	2080142.5976	984.18	PISH22
27	13763326.9312	2084478.2004	1004.44	PISH27
298	13767863.9817	2106929.4645	1004.30	CL PI
299	13768636.3263	2108387.5399	1045.56	CL PI
415	13765709.9600	2102179.9730	1016.92	HV505
433	13765446.5546	2099204.2469	1036.49	HV508
524	13763579.4062	2086333.4495	1013.08	HV516-1
525	13764109.6769	2090287.1322	1016.36	HV 514
543	13729713.2010	2062819.3819	865.03	HV543
585	13768558.2922	2108057.5843	1050.73	GPS CP
1013	13768379.6800	2107923.9690	1032.37	HV500
1023	13767946.3200	2107088.5650	1010.03	HV501
1029	13767612.2100	2106468.4330	997.30	HV502
1040	13766657.4300	2104660.2840	976.07	HV503
1048	13766160.3000	2103700.2010	1000.37	HV504
1051	13765875.7600	2102927.6460	1014.24	GPS CP
1061	13765594.6100	2101367.6340	1024.19	HV506
1068	13765379.8728	2099774.8069	1021.97	HV507
1081	13765228.7100	2096698.0680	996.18	HV510-2
1083	13765199.8100	2098438.8390	1012.96	HV508-1
1110	13764356.8300	2091609.9120	1011.42	HV513
1134	13763888.6600	2088633.6430	1036.08	HV515
1148	13763630.4000	2086746.2770	1010.77	HV516
1155	13763491.1800	2085700.8710	1009.36	HV516-2
1160	13763361.8800	2085130.2510	998.37	HV516-3
1172	13763172.9400	2084593.7610	1001.11	HV517
1196	13762503.7300	2083755.5480	1005.60	HV518
1214	13761319.1200	2082776.3300	996.50	HV519
1220	13760792.6900	2082347.9790	996.33	HV519-1
1239	13759581.6400	2081355.3200	1003.66	HV520
1246	13758408.3700	2080402.6200	981.92	HV521
1263	13757556.5000	2079814.9990	988.46	HV522
1284	13756655.2300	2079271.6040	982.80	HV523
1302	13754772.9900	2077901.3490	938.44	HV524
1314	13753487.5400	2076791.6410	929.94	HV525
1336	13752479.2800	2075782.1250	948.77	HV526
1351	13751195.5500	2074535.9450	987.83	GPS CP
1367	13750199.5800	2073719.8870	997.07	HV528

NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1380	13749058.6600	2072787.9670	1019.75	HV529
1391	13747951.3900	2071879.5410	1028.03	HV530
1404	13746704.0700	2070858.4820	993.81	HV531
1418	13745044.8300	2069930.7990	974.56	HV532
1422	13744612.8200	2069771.4930	974.91	VA4
1429	13743598.7300	2069433.1030	945.70	HV533
1450	13742017.8800	2068669.6210	925.09	HV534
1455	13741548.9200	2068243.4790	919.11	HV534-1
1467	13740781.0600	2067586.8630	912.03	HV535
1478	13739202.3400	2066814.8800	910.24	HV536
1488	13737768.6400	2066208.5040	904.38	HV537
1499	13736360.8300	2065600.2320	901.36	HV538
1508	13735102.6800	2065067.7300	897.81	HV539
1519	13733528.1600	2064379.4860	900.83	HV540
1524	13732189.3500	2063797.2890	897.92	HV541
1528	13731021.2200	2063371.1830	882.31	HV542
1544	13729472.1200	2062701.8280	887.57	GPS CP
1557	13728347.9900	2062187.6440	871.80	HV 544
1566	13727044.9100	2061593.4350	905.24	HV545
1573	13726300.1600	2061257.3080	926.13	HV546
1600	13773933.8959	2138586.5832	920.09	H0150223
1601	13771293.9995	2123441.3268	989.37	H0150233
1603	13769062.2872	2115941.1518	990.72	H0150243AZ
1604	13767777.7644	2096199.7394	1013.57	H0150253
1605	13735821.8949	2065555.9030	902.96	H0150263
1606	13738358.1002	2066318.2137	905.90	H0150263AZ
1607	13726431.7910	2061494.6674	933.10	H0150273
1608	13732094.2176	2063562.9131	892.96	H0150273AZ
1609	13721792.6446	2193392.6322	718.58	H0150303
1610	13765381.4104	2096569.9401	1005.79	J 5
1611	13769662.9532	2167204.9744	1085.84	S0150189
1612	13769243.2790	2164306.0364	966.00	S0150189AZ
1613	13759493.4015	2097473.2942	1020.27	Z0150693
1614	13689513.9619	2064604.4165	818.44	Z0150704
1615	13686608.3928	2064449.8050	802.03	Z0150704AZ
1616	13651267.7895	2075002.6205	609.06	Z0150744
1617	13771461.8612	2120074.5661	1007.39	Z0150804
1618	13768643.7830	2149928.8156	889.70	Z0150814
1619	13769149.5881	2145892.1743	917.82	Z0150814AZ
1620	13765486.9115	2174761.7859	880.21	Z0150824
1621	13763603.0026	2176297.7973	867.19	Z0150824AZ
1622	13756746.0941	2180292.3612	937.66	Z0150834
1623	13759288.2795	2179409.9164	902.57	Z0150834AZ
1624	13749675.4234	2185648.8848	849.62	Z0150844
1625	13751837.3050	2184030.5026	887.72	Z0150844AZ
1626	13737122.1279	2195178.2681	735.13	Z0150854
1627	13738974.7264	2194465.7929	741.14	Z0150854AZ
1628	13724667.5733	2192968.6340	632.39	Z0151004AZ
1629	13706719.9939	2060549.7440	818.55	Z0151074
1630	13708348.5402	2061621.2637	803.92	Z0151074AZ

COMPUTED RIGHT-OF-WAY POINTS

NUMBER	NORTHING	EASTING	DESCRIPTION
308	13729565.2205	2063085.3801	SET TYPE III MON
309	13729630.5874	2063060.1955	SET TYPE III MON
310	13729779.4141	2063127.9647	SET TYPE III MON
311	13729888.4739	2063180.9219	SET TYPE III MON
312	13730065.2571	2063266.7643	SET TYPE III MON
313	13730139.3519	2063302.7432	SET TYPE III MON
314	13735478.1181	2065416.5974	SET TYPE III MON
315	13736218.0708	2065730.2555	SET TYPE III MON
316	13736291.7183	2065761.4738	SET TYPE III MON
317	13737294.0485	2066186.3510	SET TYPE III MON
318	13737363.3231	2066215.7158	SET TYPE III MON
319	13739960.0268	2067337.6848	SET TYPE III MON
320	13740182.7591	2067441.5976	SET TYPE III MON
321	13740294.5486	2067501.9067	SET TYPE III MON
322	13740349.8436	2067531.7377	SET TYPE III MON
323	13740425.9632	2067575.4074	SET TYPE III MON
324	13740515.1670	2067626.5835	SET TYPE III MON
325	13740675.1604	2067729.8573	SET TYPE III MON
326	13740733.6178	2067772.3151	SET TYPE III MON
327	13740829.7554	2067841.5225	SET TYPE III MON
328	13740977.3675	2067960.2739	SET TYPE III MON
329	13741498.4939	2068426.4525	SET TYPE III MON
330	13741499.6762	2068447.6290	SET TYPE III MON
331	13741544.7371	2068487.9475	SET TYPE III MON
332	13741565.9242	2068486.7729	SET TYPE III MON
333	13741902.7443	2068788.0799	SET TYPE III MON
334	13742031.9868	2068897.3612	SET TYPE III MON
335	13742202.3720	2069023.9671	SET TYPE III MON
336	13742380.6275	2069138.0196	SET TYPE III MON
337	13742480.4617	2069192.4303	SET TYPE III MON
338	13742488.1407	2069229.8447	SET TYPE III MON
339	13742571.6492	2069262.7981	SET TYPE III MON
340	13742601.7093	2069255.5349	SET TYPE III MON
341	13742758.9675	2069327.6109	SET TYPE III MON
342	13742932.5094	2069393.7581	SET TYPE III MON
394	13730607.9777	2063508.0053	SET TYPE III MON
386	13737410.6900	2065805.6540	SET TYPE III MON

NUMBER	NORTHING	EASTING	DESCRIPTION
385	13737436.3701	2065871.1473	SET TYPE III MON
393	13737478.1319	2065888.9549	SET TYPE III MON
384	13738207.4242	2066201.1682	SET TYPE III MON
390	13743341.4060	2069535.4460	SET TYPE III MON
379	13742395.1963	2068743.9333	SET TYPE III MON
380	13742244.2248	2068631.7392	SET TYPE III MON
381	13742129.4302	2068534.6747	SET TYPE III MON
382	13741992.7347	2068412.3925	SET TYPE III MON
383	13741932.2868	2068358.3182	SET TYPE III MON
363	13743043.7903	2069072.4843	SET TYPE III MON
364	13742889.7328	2069013.7631	SET TYPE III MON
365	13742718.7381	2068935.4112	SET TYPE III MON
366	13742553.5424	2068845.2731	SET TYPE III MON
391	13743396.4505	2069191.5304	SET TYPE III MON
392	13743238.8685	2069138.3360	SET TYPE III MON
343	13743523.0271	2069598.3800	SET TYPE III MON
344	13743708.6877	2069673.2973	SET TYPE III MON
345	13744061.8366	2069875.0416	SET TYPE III MON
346	13744436.5183	2070015.4611	SET TYPE III MON
347	13744774.6827	2070132.6354	SET TYPE III MON
348	13744816.2313	2070226.2275	SET TYPE III MON
351	13744892.0507	2070252.3256	SET TYPE III MON
352	13744992.2602	2070208.0319	SET TYPE III MON
353	13745258.1545	2070300.1681	SET TYPE III MON
354	13745544.0302	2070413.3004	SET TYPE III MON
362	13743635.7066	2069272.2951	SET TYPE III MON
361	13744983.4513	2069644.0622	SET TYPE III MON
1417	13745083.7700	2069599.6640	FNDIRHALFINCH
1415	13745159.8700	2069625.8500	FND1INCAPSAWS
355	13745756.2010	2069938.5546	SET TYPE III MON
356	13745562.7368	2069847.3157	SET TYPE III MON
357	13745431.8888	2069799.4521	SET TYPE III MON
358	13745200.7311	2069719.3527	SET TYPE III MON
388	13749482.4704	2073367.5146	SET TYPE III MON
387	13749710.5855	2073089.0123	SET TYPE III MON
395	13750057.6009	2073295.6873	SET TYPE III MON

P.O.T.'S SET AT EVEN 1500' STATIONS

(1" X 1"X 3' SQUARE BARS UNLESS NOTED OTHERWISE)

NUMBER	NORTHING	EASTING	DESCRIPTION
402	13765133.4915	2097914.4842	1500'STA
404	13765333.9034	2099401.0356	1500'STA
407	13765534.3152	2100887.5870	1500'STA
408	13765741.6648	2102373.0863	1500'STA
410	13766204.2124	2103795.4885	1500'STA
419	13766901.8711	2105123.3017	1500'STA
426	13767605.9223	2106447.8022	1500'STA
562	13727364.4377	2061743.1093	1500'STA
563	13728729.6799	2062364.4900	1500'STA
564	13730094.9220	2062985.8706	1500'STA
565	13732878.4892	2064098.4609	1500'STA
566	13734253.3666	2064698.2209	1500'STA
568	13737010.1630	2065881.3726	1500'STA
569	13738391.2109	2066466.7841	1500'STA
570	13742183.1484	2068799.8000	1500'STA
571	13743537.9362	2069423.6293	1500'STA
572	13744955.2573	2069914.7512	1500'STA
573	13747474.2429	2071489.9465	1500'STA
574	13748634.6690	2072440.4260	1500'STA
575	13749795.0951	2073390.9054	1500'STA
576	13753115.3331	2076420.9713	1500'STA
577	13756607.7909	2079240.1133	1500'STA
578	13759072.7121	2080939.5787	1500'STA
579	13760233.1152	2081890.0862	1500'STA
580	13761393.5183	2082840.5938	1500'STA
581	13763356.6889	2085039.1345	1500'STA
582	13762891.4883	2084159.6598	1500'STA
583	13763601.6316	2086516.9696	1500'STA
584	13763802.0920	2088003.5144	1500'STA
931	13764002.5523	2089490.0593	1500'STA
932	13764203.0127	2090976.6042	1500'STA
933	13764403.4731	2092463.1490	1500'STA
934	13764603.9334	2093949.6939	1500'STA
935	13764804.3938	2095436.2388	1500'STA

STATE OF TEXAS
REGISTERED
HAL B. LANE III
4690
PROFESSIONAL
LAND SURVEYOR

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS

12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)349-3271

M:\1622-046\200 SCALE DRAWINGS\SHT_04.DWG

CONTROL SHEET

REV. NOV., 2004, TO SHOW EXISTING R.O.W.

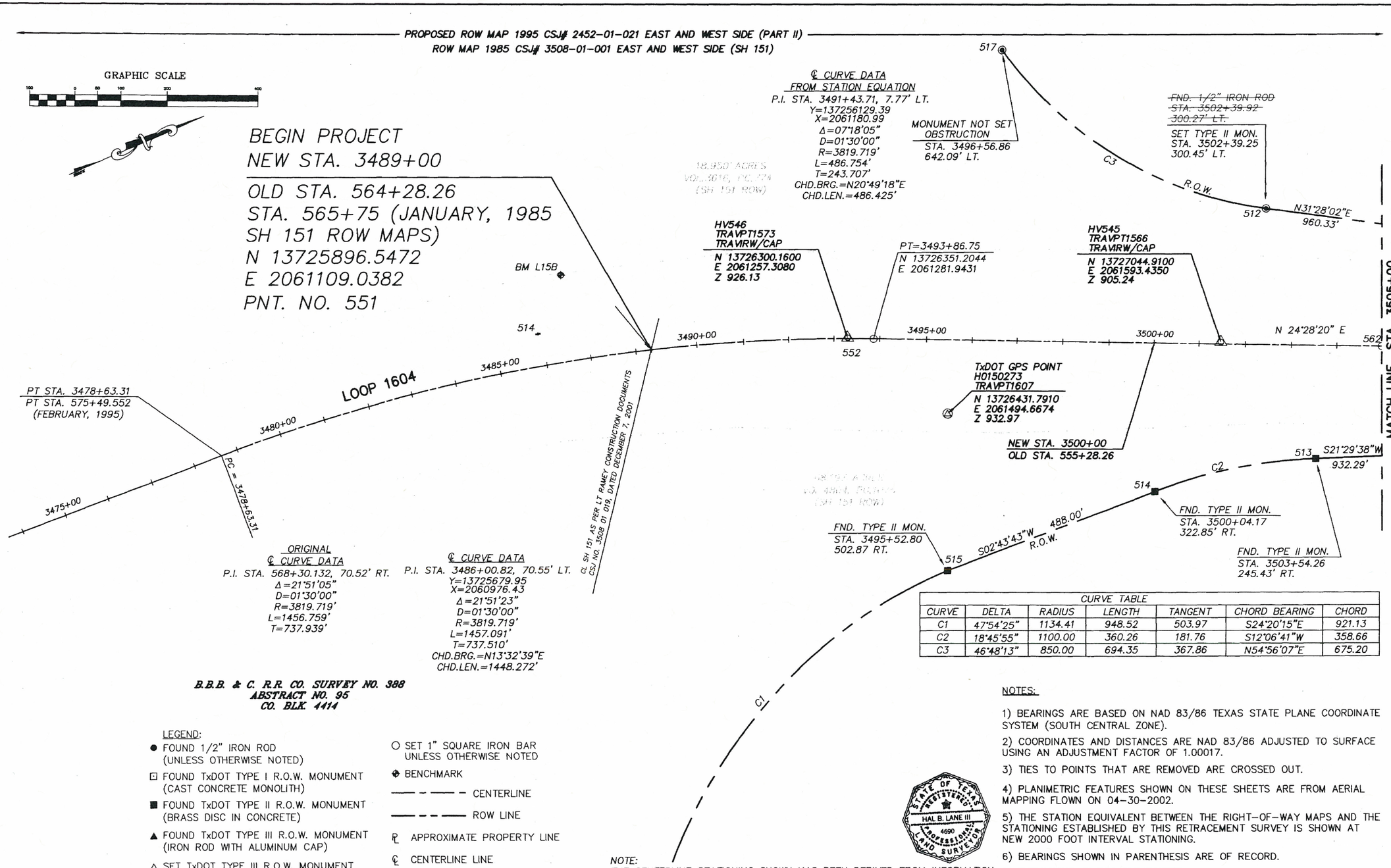
DATED THIS THE 09 DAY OF December, 2004

Hal B. Lane III

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				4
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.	CONT.	SECT.	JOB	
	2452	02	063	
CONSTRUCTION	CONT.	SECT.	JOB	

PROPOSED ROW MAP 1995 CSJ# 2452-01-021 EAST AND WEST SIDE (PART II)
ROW MAP 1985 CSJ# 3508-01-001 EAST AND WEST SIDE (SH 151)



CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C1	47°54'25"	1134.41	948.52	503.97	S24°20'15"E	921.13
C2	18°45'55"	1100.00	360.26	181.76	S12°06'41"W	358.66
C3	46°48'13"	850.00	694.35	367.86	N54°56'07"E	675.20

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ⊕ BENCHMARK
- — - — - CENTERLINE
- — - - — ROW LINE
- ⅊ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- ⊙ GPS POINT
- ◉ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

NOTE:
THE CENTERLINE STATIONING SHOWN HAS BEEN DERIVED FROM INFORMATION PROVIDED BY CUDE ENGINEERING. THE CENTERLINE INTERSECTION OF LOOP 1604 AND US HIGHWAY 90 HAS BEEN CALCULATED BY CUDE AND THE RECORD DATA FOR THE CENTERLINE OF LOOP 1604 WAS USED TO EXTEND THE CENTERLINE FROM US 90 NORTHWARD TO SH 151. AT THE INTERSECTION OF SH 151 AND 1604 A STATION EQUATION WAS INTRODUCED TO ACCOMMODATE ANY FUTURE ADJUSTMENTS IN THE CENTERLINE OF LOOP 1604 FROM SH 151, SOUTH, TO US HIGHWAY 90.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

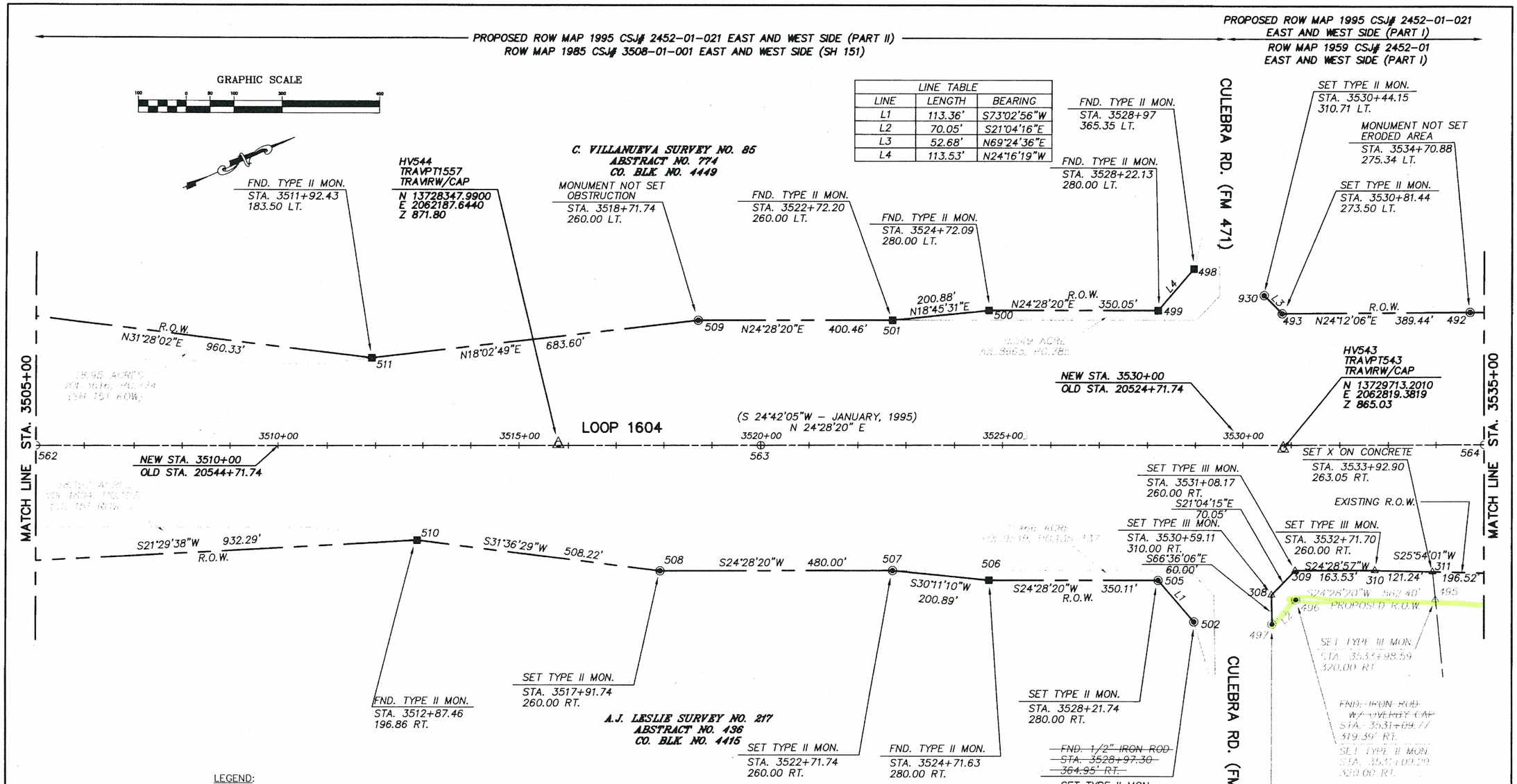
DATED THIS THE 09 DAY OF December 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)349-3271

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				5
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.	CONT.	SECT.	JOB	
	2452	02	063	
CONSTRUCTION	CONT.	SECT.	JOB	

M:\1622-046\200 SCALE DRAWINGS\SHT_05.DWG



LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — · — · — CENTERLINE
- — — — — ROW LINE
- PL APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ◉ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 09 DAY OF December 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

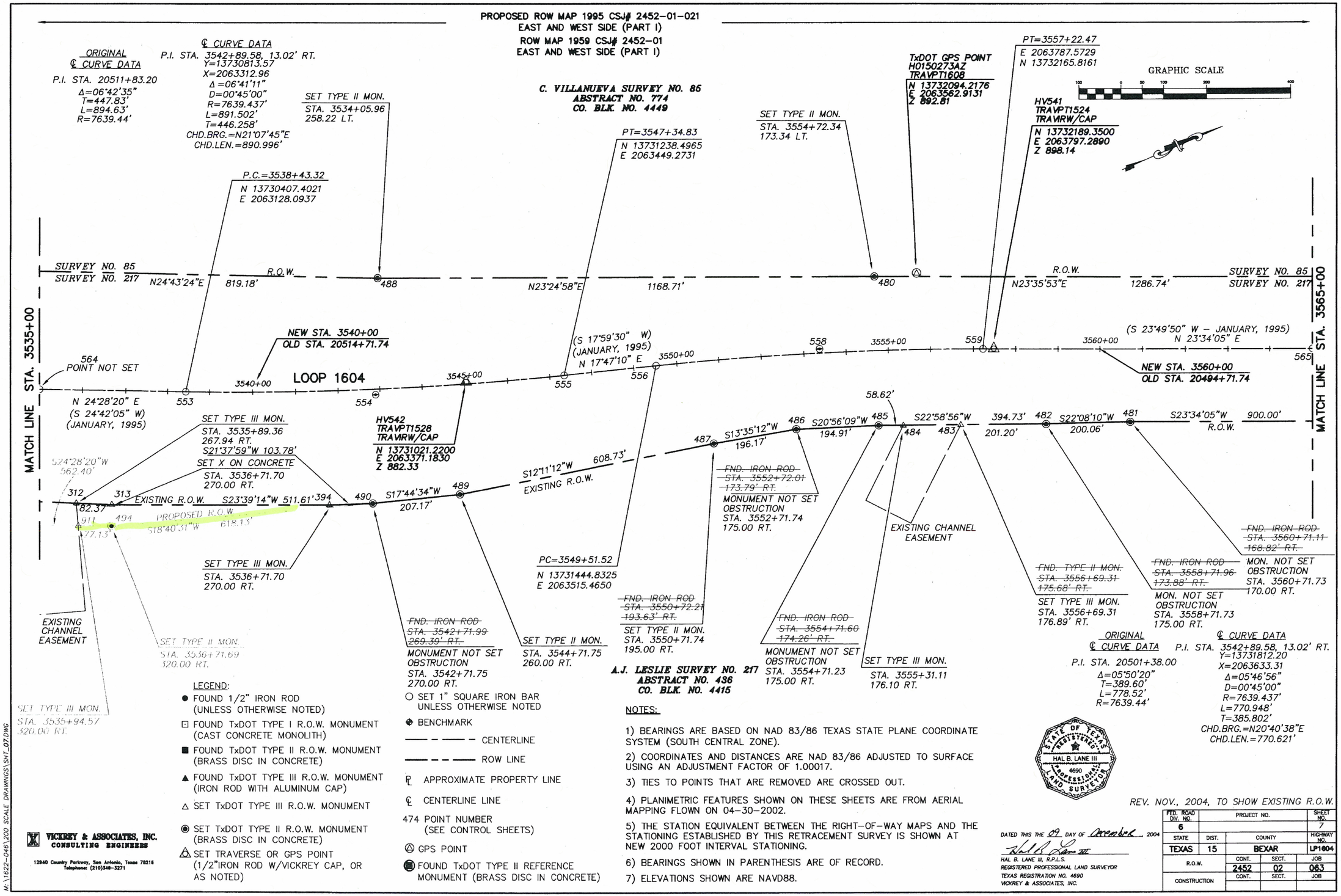
REV. NOV., 2004, TO SHOW EXISTING R.O.W.

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				6
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.	CONT.	SECT.		JOB
	2452	02		063
CONSTRUCTION	CONT.	SECT.		JOB

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)548-3271

M:\1622-046\200 SCALE DRAWINGS\SHT_06.DWG

PROPOSED ROW MAP 1995 CSJ# 2452-01-021
EAST AND WEST SIDE (PART I)
ROW MAP 1959 CSJ# 2452-01
EAST AND WEST SIDE (PART I)



LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- BENCHMARK
- CENTERLINE
- ROW LINE
- ℙ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- GPS POINT
- FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)348-3271

M:\1622-046\200 SCALE DRAWINGS\SHT_07.DWG

REV. NOV., 2004, TO SHOW EXISTING R.O.W.

DATED THIS THE 09 DAY OF December 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			7
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB

PROPOSED ROW MAP 1995 CSJ# 2452-01-021
EAST AND WEST SIDE (PART I)
ROW MAP 1959 CSJ# 2452-01
EAST AND WEST SIDE (PART I)

LINE TABLE		
LINE	LENGTH	BEARING
L5	17.10'	N64°40'16"W

GRAPHIC SCALE

100 0 50 100 200 400

SET TYPE II MON.
STA. 3567+53.45
168.48' LT.

HV540
TRAVPT1519
TRAVRW/CAP
N 13733528.1600
E 2064379.4860
Z 900.81

SET TYPE II MON.
STA. 3572+71.74
168.84' LT.

MONUMENT NOT SET
OBSTRUCTION
STA. 3574+21.74
185.31' LT.

MONUMENT NOT SET
OBSTRUCTION
STA. 3575+49.79
185.00' LT.

SET TYPE II MON.
STA. 3578+71.80
185.00' LT.

ORIGINAL
℄ CURVE DATA
P.I. STA. 20461+83.00
Δ=00°36'50"
T=122.78'
L=245.56'
R=22918.31'

SET TYPE II MON.
STA. 3580+19.85
169.26' LT.

SET TYPE II MON.
STA. 3585+06.75
169.53' LT.

℄ CURVE DATA
P.I. STA. 3592+88.74, 0.31' RT.
Y=13735434.61
X=2065213.51
Δ=00°35'48"
D=00°15'00"
R=22918.312'
L=238.642'
T=119.322'
CHD.BRG.=N23°16'12"E
CHD.LEN.=238.64'

~~FND. 1/2" IRON ROD W/ PCI CAP STA. 3593+49.17 165.14' LT.~~

SET TYPE II MON.
STA. 3593+49.06
165.18' LT.

MONUMENT NOT SET
OBSTRUCTION
STA. 3593+49.73
182.27' LT.

C. VILLANUEVA SURVEY NO. 85
ABSTRACT NO. 774
CO. BLK. NO. 4449

HV539
TRAVPT1508
TRAVRW/CAP
N 13735102.6800
E 2065067.7300
Z 897.81

MATCH LINE STA. 3565+00

N23°35'53"E 1286.74' 479 R.O.W. N23°31'42"E 518.29' SURVEY NO. 85 476 N17°18'15"E 150.90' 475 N23°42'17"E 128.05' 474 N23°34'05"E 322.01' 472 N29°44'08"E 148.93' 467 N23°32'34"E 486.90' 466 R.O.W. SURVEY NO. 217 N23°47'44"E 841.01' SURVEY NO. 229 455 5 L5 454 621.56' N23°09'39"E

BM L11B

565 3570+00 3575+00 LOOP 1604 3580+00 566 3585+00 3590+00 561 550 549

MATCH LINE STA. 3595+00

NEW STA. 3570+00
OLD STA. 20484+71.74

N 23°34'05" E
(S 23°49'50" W – JANUARY, 1995)

PC=3591+69.42
N 13735325.2368
E 2065165.8007

NEW STA. 3590+00
OLD STA. 20464+71.74

S23°34'05"W 900.00' R.O.W. 478 S24°08'28"W 500.03' 477 S23°34'05"W 233.82' 470 144.41' 910 600.00' 221.77' 468 S22°51'07"W 400.03' 465 S23°29'16"W R.O.W. 483.51' 464 S23°29'46"W 454.58 EXISTING R.O.W. BM L10 314

PROPOSED R.O.W. S27°36'14"W 670.63'

SURVEY NO. 217
SURVEY NO. 229

~~FND. 1/2" IRON ROD STA. 3569+71.51 169.18' RT.~~

SET TYPE II MON.
STA. 3569+71.73
170.00' RT.

~~FND. 1/2" IRON ROD STA. 3574+71.72 174.39' RT.~~

SET TYPE II MON.
STA. 3574+71.74
175.00' RT.

A.J. LESLIE SURVEY NO. 217
ABSTRACT NO. 436
CO. BLK. NO. 4415

TX. HIGHWAY DEPT.
DRAINAGE EASEMENT
ORIGINALLY 0.241 AC.
VOL.6, PG.633–639

FND. TYPE II MON.
STA. 3577+05.56
175.00' RT.

FND. TYPE II MON.
STA. 3578+49.83
175.00' RT.

MONUMENT NOT SET
OBSTRUCTION
STA. 3580+71.74
175.00' RT.

~~FND. 1/2" IRON ROD STA. 3584+71.49 169.71' RT.~~

MONUMENT NOT SET
OBSTRUCTION
STA. 3584+71.73
170.00' RT.

~~FND. TYPE II MON. STA. 3589+55.24 169.32' RT.~~

SET TYPE II MON.
STA. 3589+55.24
170.00' RT.

~~FND. 1/2" IRON ROD STA. 3594+10.63 168.87' RT.~~

SET TYPE III MON.
STA. 3594+08.06
170.00' RT.

PT=3594+08.06
N 13735544.4648
E 2065260.0786

J.M. ROSS SURVEY NO. 229
ABSTRACT NO. 648
CO. BLK. NO. 4448

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- BENCHMARK
- — — — — CENTERLINE
- — — — — ROW LINE
- ℙ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- GPS POINT
- FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04–30–2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT–OF–WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 09 DAY OF December 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

REV. NOV., 2004, TO SHOW EXISTING R.O.W.

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				8
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.	CONT.	SECT.	JOB	
	2452	02	083	
CONSTRUCTION	CONT.	SECT.	JOB	

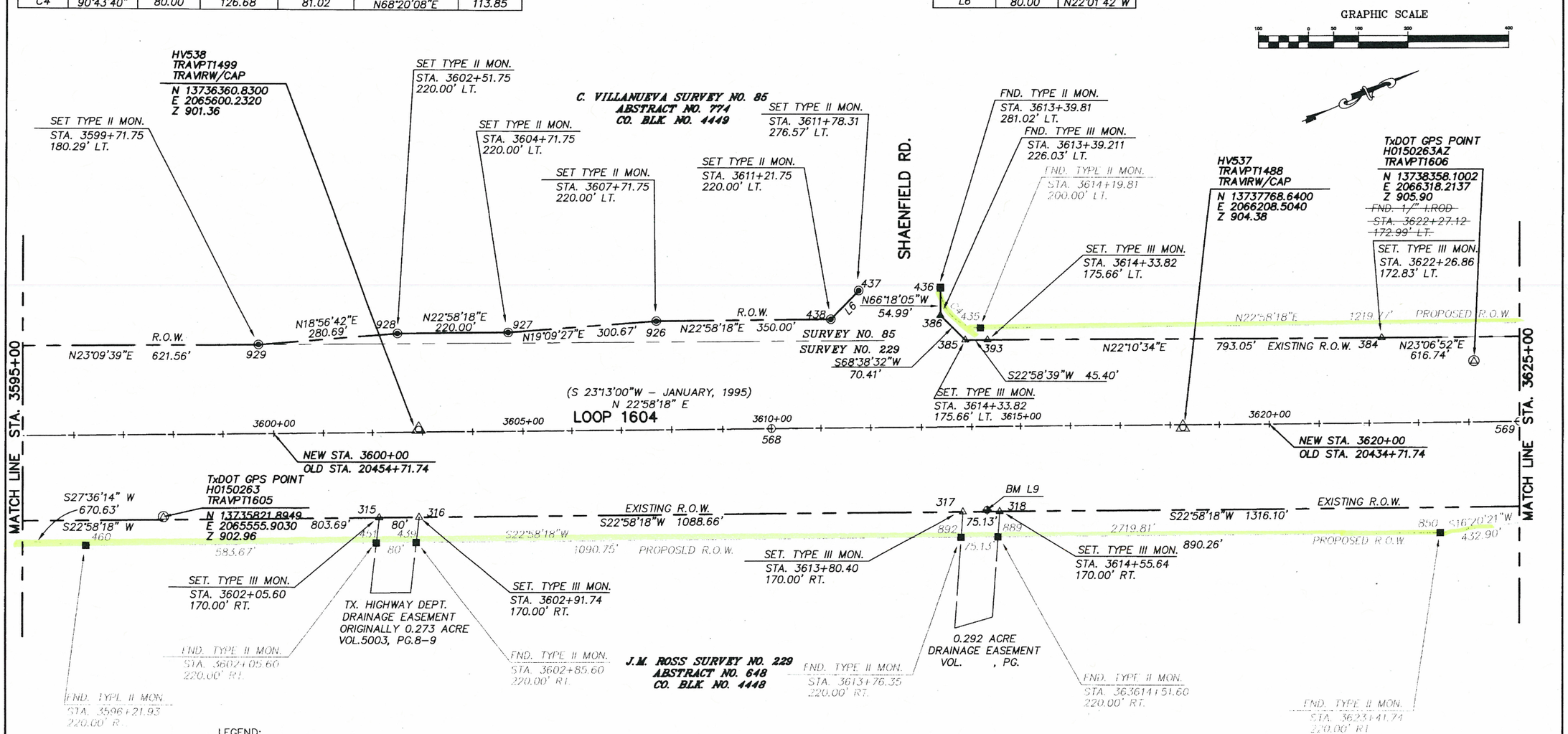
VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12840 Country Parkway, San Antonio, Texas 78216
Telephone: (210)548-3271

M:\1622-046\200 SCALE DRAWINGS\SHT_08.DWG

PROPOSED ROW MAP 1995 CSJ# 2452-01-021
EAST AND WEST SIDE (PART I)
ROW MAP 1959 CSJ# 2452-01
EAST AND WEST SIDE (PART I)

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C4	90°43'40"	80.00	126.68	81.02	N68°20'08"E	113.85

LINE TABLE		
LINE	LENGTH	BEARING
L6	80.00'	N22°01'42"W



LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- BENCHMARK
- — — — CENTERLINE
- — — — ROW LINE
- ℙ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- GPS POINT
- FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

REV. NOV., 2004, TO SHOW EXISTING R.O.W.

DATED THIS THE 09 DAY OF December 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			9
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB

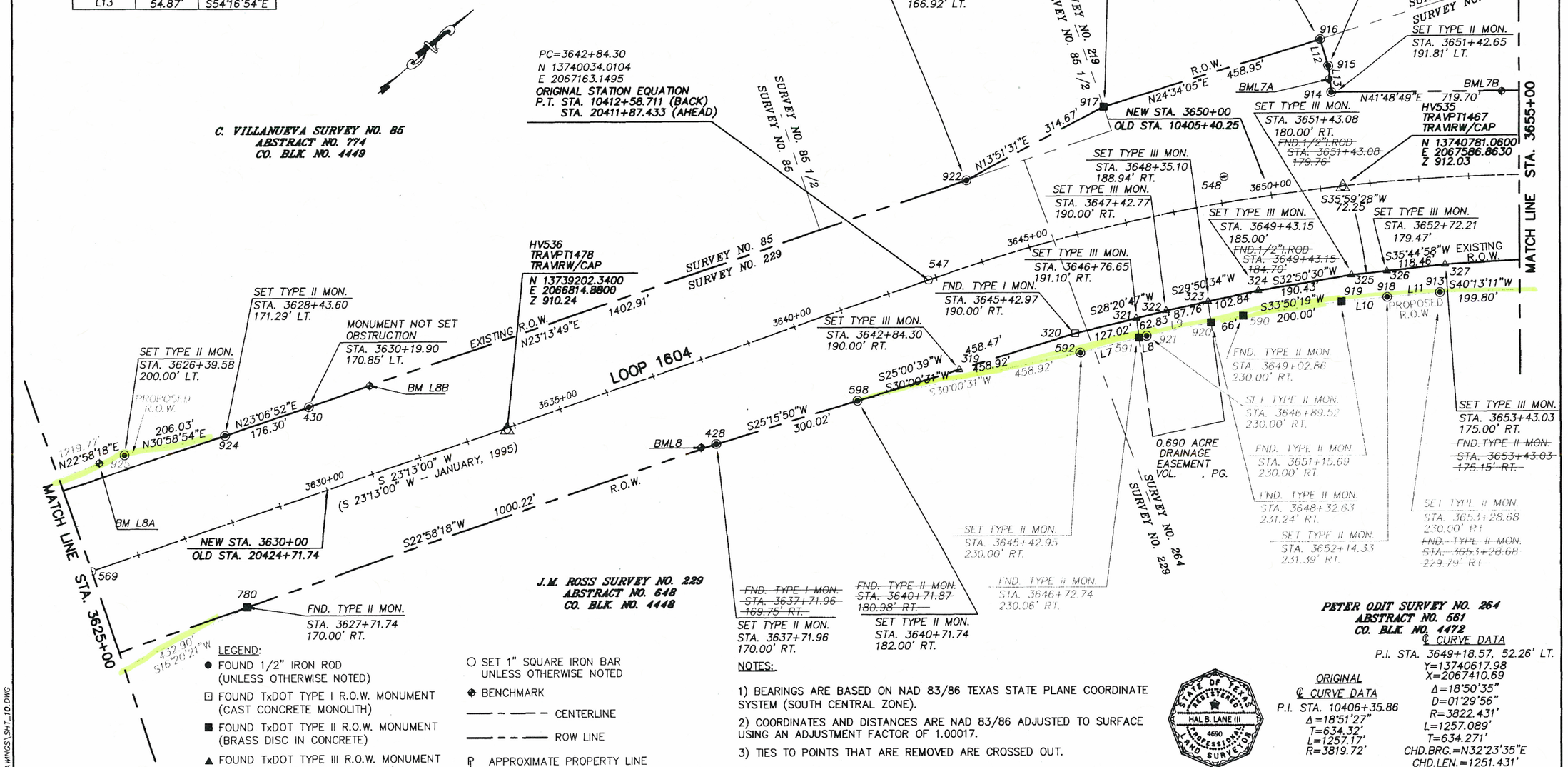
VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)549-3271

M:\1622-046\200 SCALE DRAWINGS\SHT_09.DWG

PROPOSED ROW MAP 1995 CSJ# 2452-01-021
EAST AND WEST SIDE (PART I)
ROW MAP 1959 CSJ# 2452-01
EAST AND WEST SIDE (PART I)

LINE TABLE		
LINE	LENGTH	BEARING
L7	121.81'	S27°57'08"W
L8	15.93'	S27°54'27"W
L9	200.48'	S30°38'40"W
L10	92.69'	S37°01'55"W
L11	107.46'	S37°01'41"W
L12	57.06'	S65°01'12"E
L13	54.87'	S54°16'54"E

GRAPHIC SCALE



LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — — — CENTERLINE
- — — — ROW LINE
- ⅊ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ■ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

ORIGINAL
℄ CURVE DATA
P.I. STA. 10406+35.86
Δ=18°51'27"
T=634.32'
L=1257.17'
R=3819.72'

℄ CURVE DATA
P.I. STA. 3649+18.57, 52.26' LT.
Y=13740617.98
X=2067410.69
Δ=18°50'35"
D=01°29'56"
R=3822.431'
L=1257.089'
T=634.271'
CHD.BRG.=N32°23'35"E
CHD.LEN.=1251.431'

REV. NOV., 2004, TO SHOW EXISTING R.O.W.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 09 DAY OF December 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			10
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)348-3271

M:\1622-046\200 SCALE DRAWINGS\SHT_10.DWG

PROPOSED ROW MAP 1995 CSJ# 2452-01-021
EAST AND WEST SIDE (PART I)
ROW MAP 1959 CSJ# 2452-01
EAST AND WEST SIDE (PART I)

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	CHORD	CHRD. BEARING
C1	89°58'48"	15.00'	23.56'	21.21'	N86°48'16"E
C2	90°02'05"	15.00'	23.57'	21.22'	S03°10'23"E
C3	99°36'57"	25.00'	43.47'	38.19'	S78°24'06"E
C4	76°24'50"	25.00'	33.34'	30.93'	S13°35'01"E

LINE TABLE

LINE	LENGTH	BEARING
L14	26.09'	N18°44'19"E
L15	105.69'	N17°47'12"E
L16	18.99'	N18°04'07"E
L17	49.71'	S87°26'03"W
L18	48.94'	S02°35'01"E
L19	70.94'	S69°03'32"W
L20	83.46'	S06°17'54"E
L21	73.43'	S22°51'44"W

ORIGINAL
℄ CURVE DATA
P.I. STA. 10382+00.00
Δ=22°42'42"
T=575.34'
L=1135.58'
R=2864.79'

℄ CURVE DATA
P.I. STA. 3673+58.10, 57.16' RT.
Y=13742444.72
X=2069044.81
Δ=22°42'09"
D=02°00'00"
R=2864.789'
L=1135.130'
T=575.109'
CHD.BRG.=N30°27'48"W
CHD.LEN.=1127.719'

GRAPHIC SCALE

T.S. TATUM SURVEY NO. 219
ABSTRACT NO. 756
CO. BLK. NO. 4471

PETER ODIT SURVEY NO. 264
ABSTRACT NO. 561
CO. BLK. NO. 4472

HV534-1
TRAVPT1455
TRAVIRW/CAP
N 13741548.9200
E 2068243.4790
Z 919.11

PT=3655+41.39
N 13741090.7101
E 2067833.5717

MATCH LINE STA. 3655+00

FND. TYPE II MON.
STA. 3658+43.10
170.00' LT.

N41°48'49"E 719.70' 593
N41°48'52"E 675.38'
PROPOSED R.O.W.
N35°17'34"E 704.33'
EXISTING R.O.W.
546
S 42°04'27" W
(JANUARY, 1995)
N 41°48'52"E
3660+00
NEW STA. 3660+00
OLD STA. 10395+40.25
328
912
S41°48'52"W
EXISTING R.O.W.
699.21
S42°57'31"W 679.69'
PROPOSED R.O.W.

SET TYPE III MON.
STA. 3655+41.39
170.00'RT.
~~FND.1/2" I.ROD~~
~~STA.3655+41.50~~
~~169.86' RT.~~

SET TYPE III MON.
STA. 3655+41.39
170.00' RT.

FND. TYPE II MON.
STA. 3662+20.86
243.57' RT.

FND. TYPE II MON.
STA. 3655+41.30
230.00' RT.

PETER ODIT SURVEY NO. 264
ABSTRACT NO. 561
CO. BLK. NO. 4472

FND. TYPE II MON.
STA. 3662+55.63
279.10' RT.

SET TYPE III MON.
STA. 3662+55.60
185.00' RT.

FND. TYPE II MON.
STA. 3663+16.07
280.40' RT.

SET X ON CONCRETE
STA. 3663+16.06
185.00' RT.

HV534
TRAVPT1450
TRAVIRW/CAP
N 13742017.8800
E 2068669.6210
Z 925.09

329 C1 330 331 C2 332 588 589 587 586 C8 S42°57'36"W 192.08' 876 S41°49'06"W 239.71'

BOWENS CROSSING

SET TYPE III MON.
STA. 3663+31.07
170.00' RT.

FND. TYPE II MON.
STA. 3663+51.03
246.16' RT.

FND. TYPE II MON.
STA. 3667+82.78
250.02' RT.

FND. TYPE II MON.
STA. 3665+43.07
250.00' RT.

S41°48'52"W 451.96' 333 S40°12'59"W 169.21' 334 S39°36'52"W 212.27' 335 S32°36'44"W 211.62' 336 113.60' C3 337 338

S39°52'03"W 211.61' 908 907 S35°58'36"W 211.81' 905 S33°21'57"W 212.01' 903 L19 861

SET TYPE III MON.
STA. 3669+42.78
170.00' RT.
~~FND. TYPE I MON.~~
~~STA. 3669+42.78~~
~~169.83' RT.~~

SET TYPE III MON.
STA. 3671+43.21
170.00' RT.
~~FND.1/2"I.ROD~~
~~STA. 3671+43.21~~
~~169.93' RT.~~

SET TYPE III MON.
STA. 3673+43.01
170.00' RT.
~~FND.1/2"I.ROD~~
~~STA. 3673+43.01~~
~~169.82' RT.~~

SET TYPE II MON
STA. 3669+77.46
250.00' RT.

SET TYPE II MON.
STA. 3671+72.30
250.00' RT.

FND. TYPE II MON.
STA. 3673+67.14
254.76' RT.

FND. TYPE II MON.
STA. 3674+17.10
299.81' RT.

FND. TYPE II MON.
STA. 3665+42.87
250.00' LT.

FND. TYPE II MON.
STA. 3667+19.42
250.00' LT.

SET TYPE III MON.
STA. 3665+99.58
170.00' LT.

SET TYPE III MON.
STA. 3665+18.48
170.00' LT.

SET TYPE III MON.
STA. 3667+82.99
170.00' LT.

PT=3667+82.99
N 13742016.0876
E 2068661.3769

SET TYPE III MON.
STA. 3669+42.83
170.00' LT.

SET TYPE III MON. 570
STA. 3667+82.99
170.00' RT.

FND. TYPE II MON.
STA. 3668+04.36
250.71' LT.

FND. TYPE II MON.
STA. 3670+09.71
250.00' LT.

SET TYPE III MON.
STA. 3671+42.83
170.00' LT.
~~FND.1/2"I.ROD~~
~~STA. 3671+42.89~~
~~169.91' LT.~~

GUILBEAU LANE

SET TYPE III MON.
STA. 3673+42.73
170.00' LT.
~~FND.1/2"I.ROD~~
~~STA. 3673+42.73~~
~~169.78' LT.~~

FND. TYPE II MON.
STA. 3672+36.84
250.00' LT.

SET TYPE III MON.
STA. 3675+42.83
170.00' LT.

SET TYPE III MON.
STA. 3674+73.37
197.44' RT. 542

SET TYPE III MON.
STA. 3674+50.37
168.12' RT.

FND. TYPE II MON.
STA. 3674+63.96
250.00' LT.

FND. TYPE II MON.
STA. 3680+49.91
252.61' LT.

SET TYPE II MON.
STA. 3679+44.25
250.17' LT.

FND. TYPE II MON.
STA. 3679+18.16
250.00' LT.

SET TYPE II MON.
STA. 3676+91.04
250.00' LT.

0.566 ACRE
DRAINAGE EASEMENT
VOL. , PG.

SET TYPE III MON.
STA. 3677+42.82
170.00' LT.

SET TYPE III MON.
STA. 3675+79.47
168.88' RT.
~~FND.1/2"I.ROD~~
~~STA. 3675+79.41~~
~~168.88' RT.~~

NEW GUILBEAU ROAD

C4 340 339 S24°37'24"W 172.99' BML6 341 185.72' 342 S20°51'53"W

900 899 L21 860 20 S19°06'13"W 234.95' 896

FND. TYPE II MON.
STA. 3677+02.70
258.86' RT.

FND. TYPE II MON.
STA. 3676+35.38
260.44' RT.

FND. TYPE II MON.
STA. 3675+70.75
304.31' RT.

SET TYPE III MON.
STA. 3675+57.07
188.63' RT.
~~FND.1/2"I.ROD~~
~~STA. 3675+56.94~~
~~188.53' RT.~~

PETER ODIT SURVEY NO. 264
ABSTRACT NO. 561
CO. BLK. NO. 4472

FND. TYPE II MON.
STA. 3680+68.89
252.96' LT.

FND. TYPE II MON.
STA. 3682+19.88
250.00' LT.

PROPOSED R.O.W.
N19°06'43"E 723.16'
391 252.52' N18°39'11"E
166.32'
392 N20°14'06"E 151.01' 890 L15 895 897 L16 894
N21°22'57"E 207.25' 596 L14 363 205.89'
N20°51'54"E 364 164.87'
N24°37'04"E 188.09' 365 BML6C
N28°37'08"E 188.19' 366 N32°37'08"E 188.00' 379 N36°37'04"E 188.10' 380 150.33' 381 N40°12'58"E 183.41' 382 N41°48'52"E 81.10' 383 N35°00'32"E 207.26' 904 N39°33'02"E 187.36' 906 909 N41°48'52"E 176.55' 594 N30°27'59"E 207.24' 902 N25°55'28"E 207.21' 901 898

SET TYPE III MON.
STA. 3682+90.32
172.98' LT.

SET TYPE III MON.
STA. 3679+18.12
170.00' LT.
~~FND.1/2"I.ROD~~
~~STA. 3679+18.42~~
~~170.02' LT.~~

SET TYPE III MON.
STA. 3681+24.01
171.65' LT.

N 19°06'43"E
S 19°21'45" W
(JANUARY, 1995)
3680+00
NEW STA. 3680+00
OLD STA. 10375+40.25
544

SET TYPE III MON.
STA. 3677+42.82
170.00' RT.

SET TYPE III MON.
STA. 3683+50.91
170.00' RT.

MATCH LINE STA. 3685+00

624.97'
S19°06'43"W 432.75' 390 1124.64' 889
S19°06'43"W
PROPOSED R.O.W.

PT=3679+18.12
N 13742988.1300
E 2069233.1136

SET TYPE III MON.
STA. 3679+18.16
170.00' RT.
~~FND.1/2"I.ROD~~
~~STA. 3679+18.49~~
~~168.47' RT.~~

FND. TYPE II MON.
STA. 3684+11.83
250.00' RT.

FND. TYPE II MON.
STA. 3679+18.40
250.00' RT.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

LEGEND:
- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — — — CENTERLINE
- — — — ROW LINE
- ⅊ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ■ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)546-3271

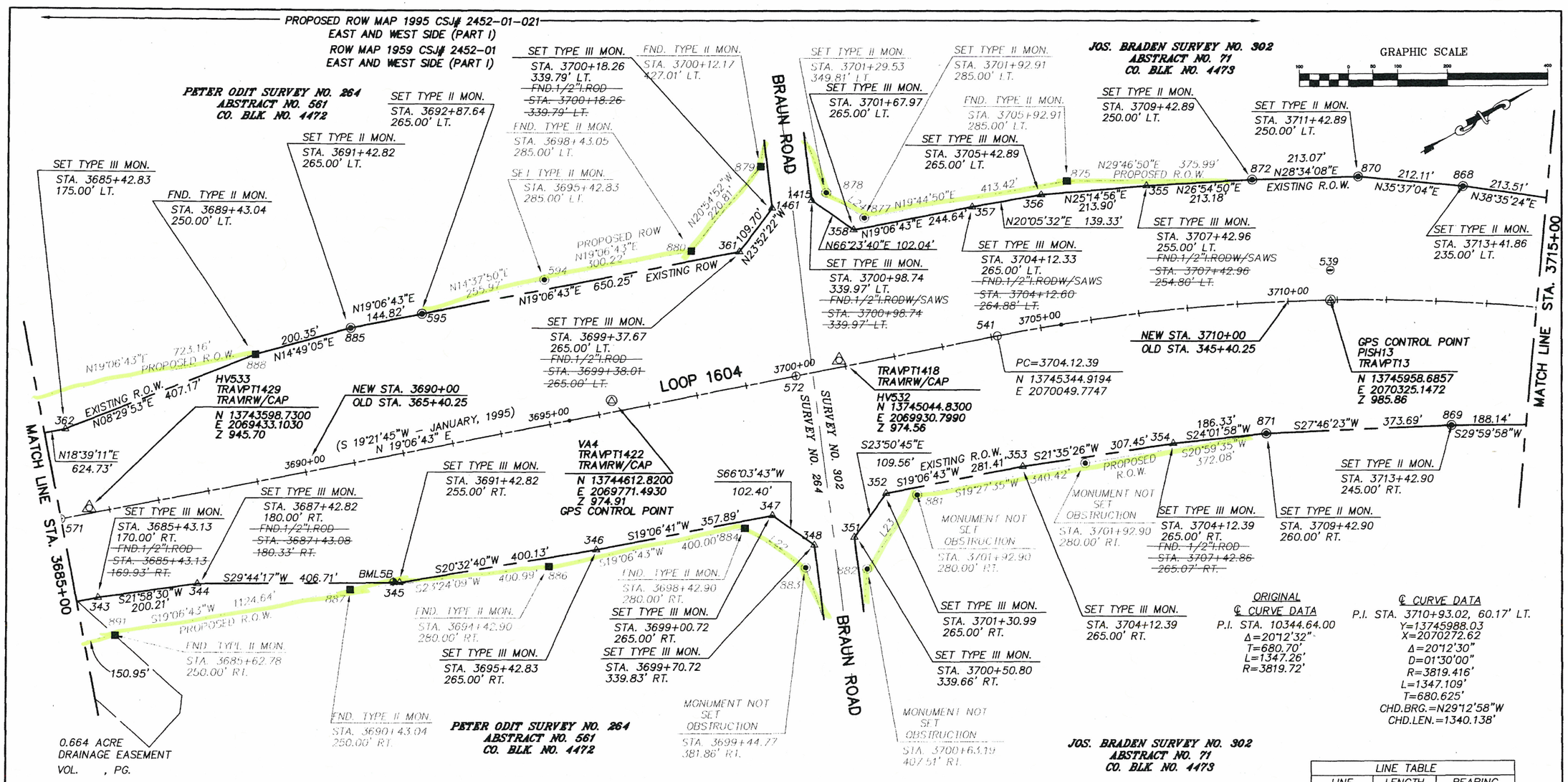
DATED THIS THE 09 DAY OF December 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

REV. NOV., 2004, TO SHOW EXISTING R.O.W.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			11
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB

M:\1622-046\200 SCALE DRAWINGS\SHT_11.DWG



LINE TABLE		
LINE	LENGTH	BEARING
L22	144.06'	S64°06'30"W
L23	181.89'	S25°23'50"E
L24	90.65'	N64°45'10"E

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — — — — CENTERLINE
- — — — — ROW LINE
- ℙ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ▣ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 29 DAY OF October 2004

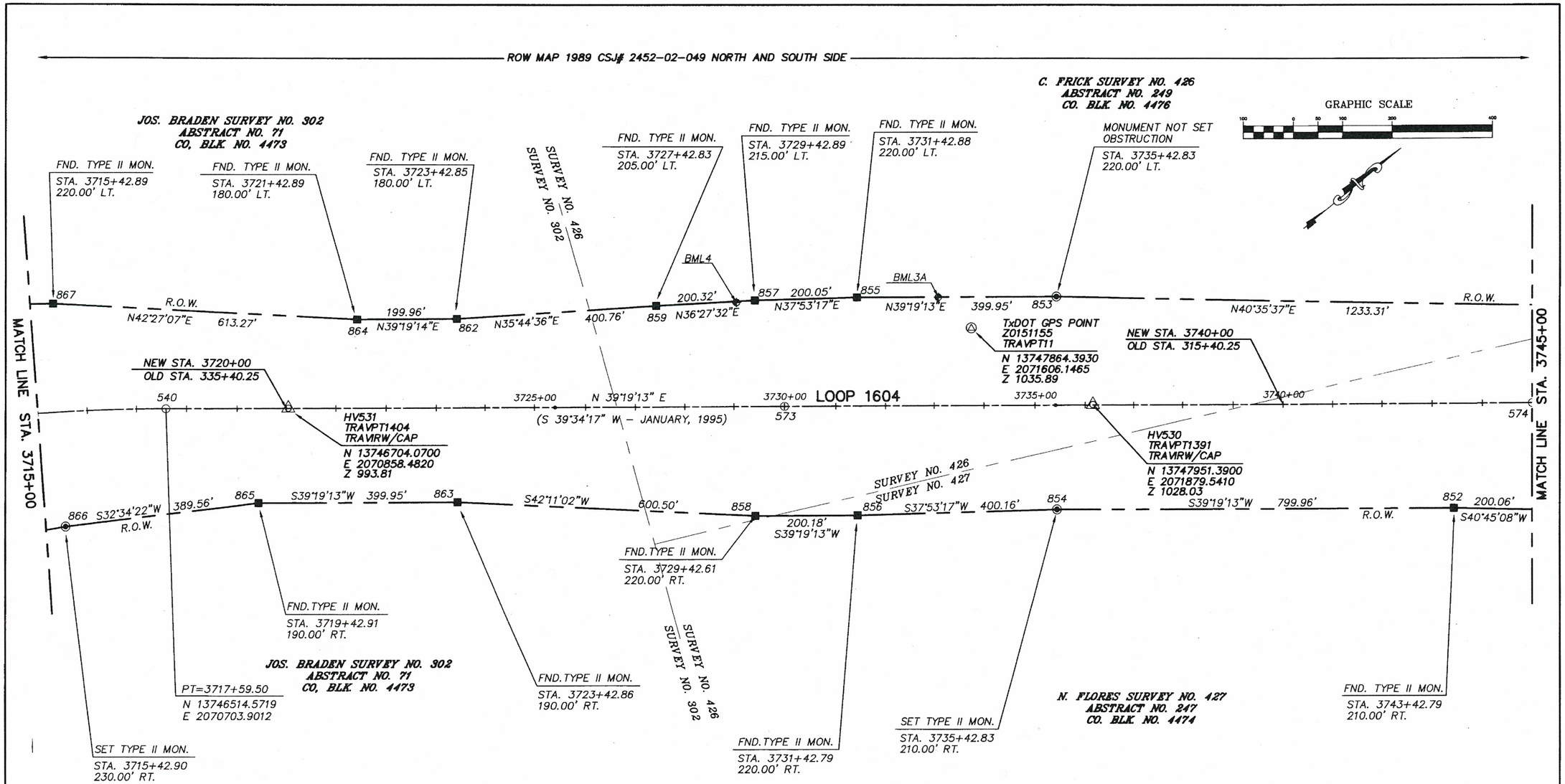
HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

REV. NOV., 2004, TO SHOW EXISTING R.O.W.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			12
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)546-3271

M:\622-046\200 SCALE DRAWINGS\SHT_12.DWG



LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- BENCHMARK
- — — — — CENTERLINE
- ——— ROW LINE
- ⅊ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- GPS POINT

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

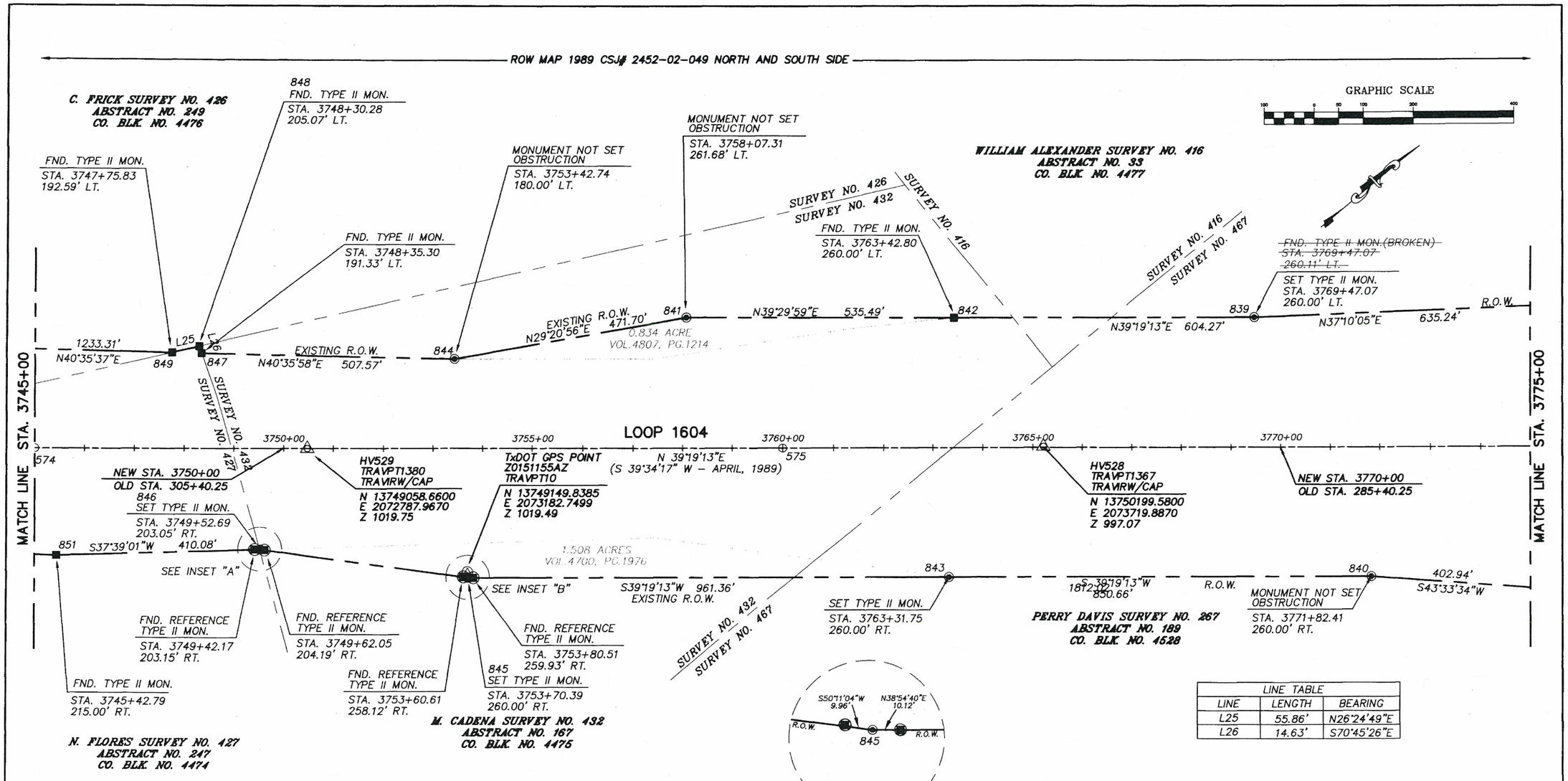
DATED THIS THE 31 DAY OF AUGUST, 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)549-3271

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			13
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604

	CONT.	SECT.	JOB
R.O.W.	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



LINE TABLE		
LINE	LENGTH	BEARING
L25	55.86'	N26°24'49"E
L26	14.63'	S70°45'26"E

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- BENCHMARK
- CENTERLINE
- ROW LINE
- PL APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- GPS POINT
- FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)340-3271

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

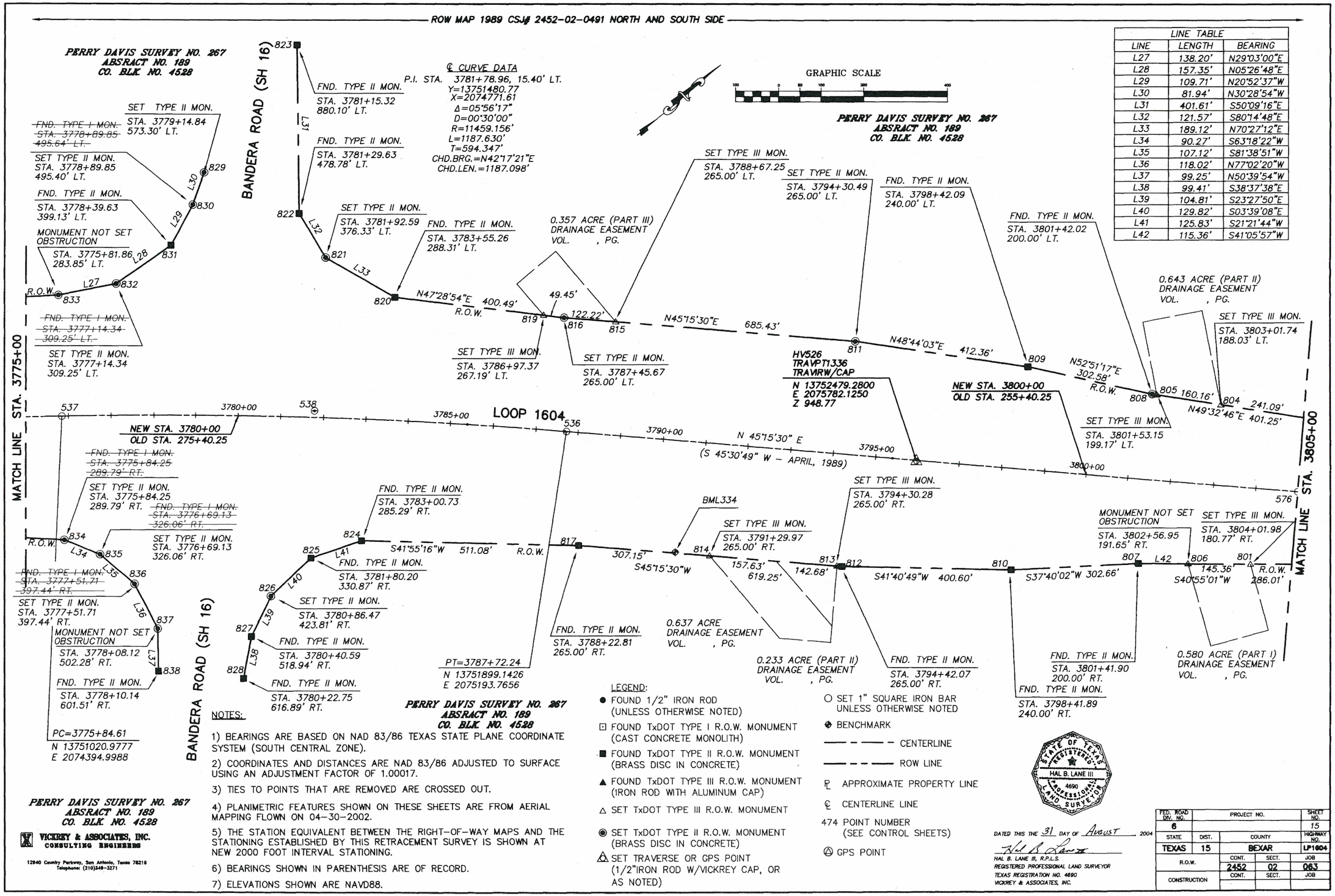
DATED THIS THE 09 DAY OF December 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

REV. NOV., 2004, TO SHOW EXISTING R.O.W.

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				14
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.	CONT.	SECT.	JOB	
	2452	02	083	
CONSTRUCTION	CONT.	SECT.	JOB	

M:\1622-046\200 SCALE DRAWINGS\SHT_14.DWG



LINE TABLE		
LINE	LENGTH	BEARING
L27	138.20'	N29°03'00"E
L28	157.35'	N05°26'48"E
L29	109.71'	N20°52'37"W
L30	81.94'	N30°28'54"W
L31	401.61'	S50°09'16"E
L32	121.57'	S80°14'48"E
L33	189.12'	N70°27'12"E
L34	90.27'	S63°18'22"W
L35	107.12'	S81°38'51"W
L36	118.02'	N77°02'20"W
L37	99.25'	N50°39'54"W
L38	99.41'	S38°37'38"E
L39	104.81'	S23°27'50"E
L40	129.82'	S03°39'08"E
L41	125.83'	S21°21'44"W
L42	115.36'	S41°05'57"W

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ⊕ BENCHMARK
- — — — — CENTERLINE
- — — — — ROW LINE
- ℞ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- Ⓐ GPS POINT

PERRY DAVIS SURVEY NO. 267
ABSRACT NO. 189
CO. BLK. NO. 4528

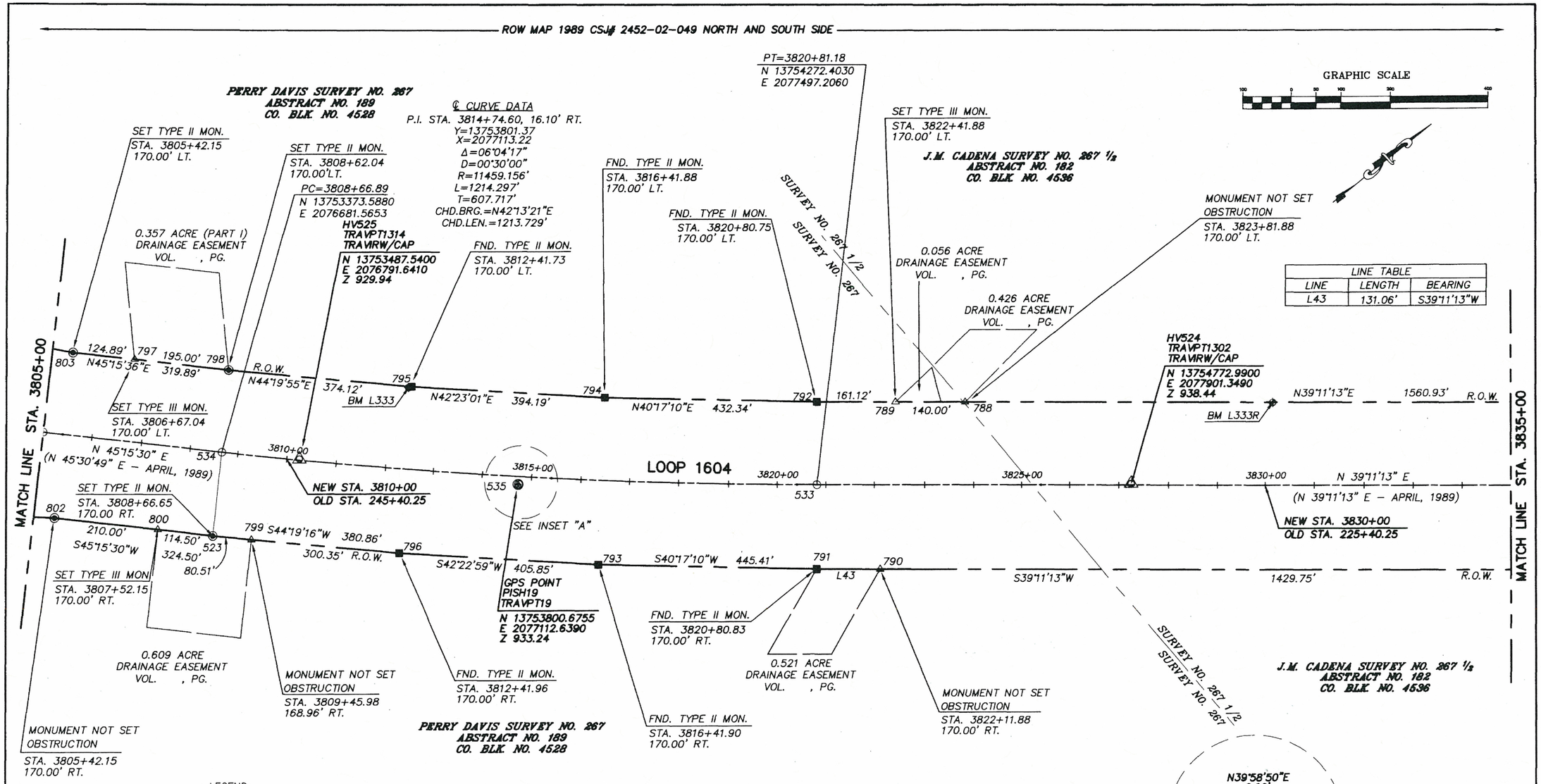
VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)348-3271

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 31 DAY OF AUGUST, 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			7.5
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



LINE TABLE		
LINE	LENGTH	BEARING
L43	131.06'	S39°11'13"W

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — — — — CENTERLINE
- — — — — ROW LINE
- ⅊ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ● FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

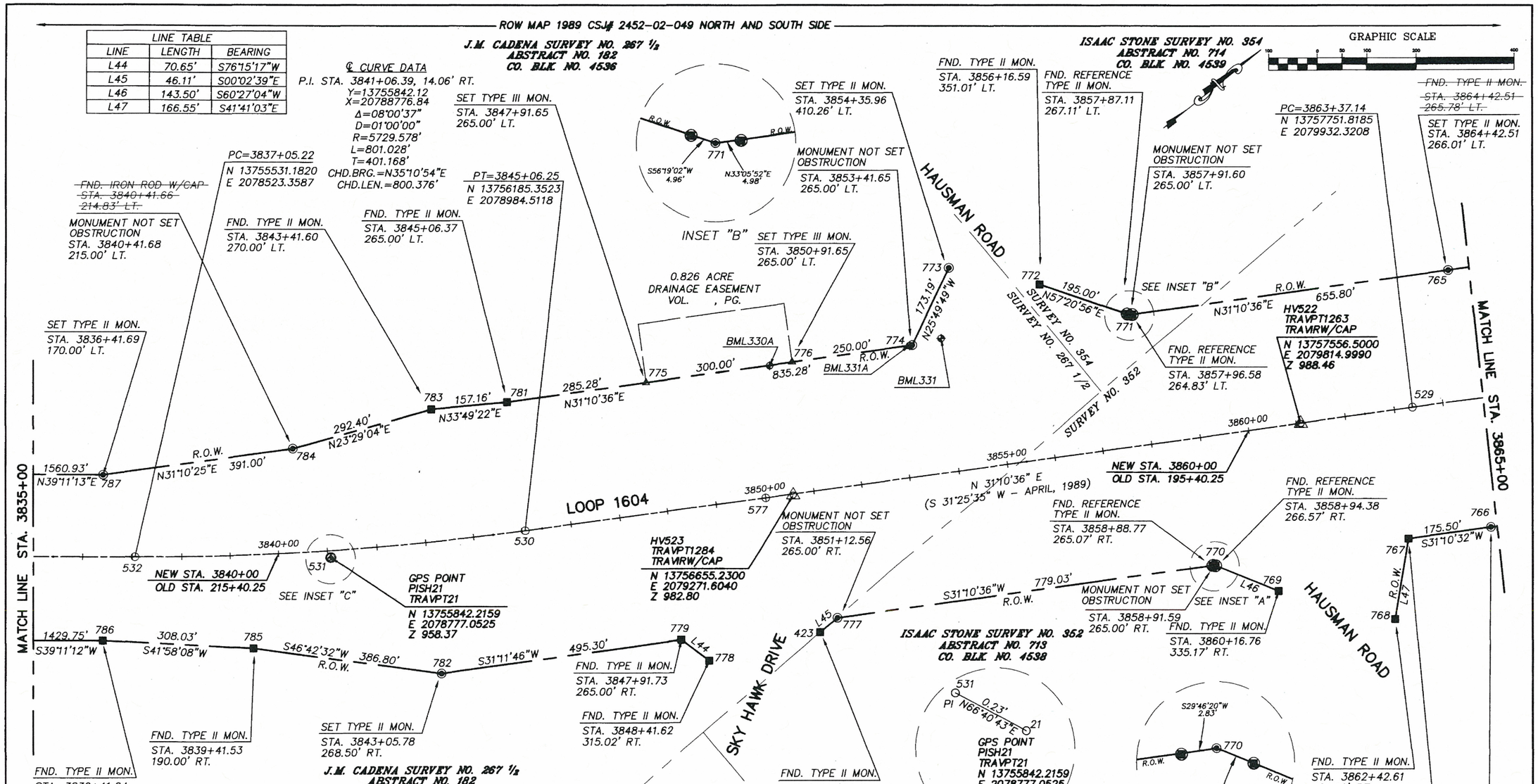
VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)340-3271

DATED THIS THE 19 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				16
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.	CONT.	SECT.	JOB	
	2452	02	063	
CONSTRUCTION	CONT.	SECT.	JOB	



LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — — — — CENTERLINE
- — — — — ROW LINE
- PL APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ● FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12840 Country Parkway, San Antonio, Texas 78216
Telephone: (210)548-3271

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 14 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			17
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	083
CONSTRUCTION	CONT.	SECT.	JOB

ROW MAP 1989 CSJ# 2452-02-049 NORTH AND SOUTH SIDE

ORIGINAL ℄ CURVE DATA
P.I. STA. 187+97.84
Δ=08°08'42"
D=01°00'00"
T=407.937'
L=814.500'
R=5729.578'

℄ CURVE DATA
P.I. STA. 3867+45.08, 14.50' LT.
Y=13758100.84
X=2080143.50
Δ=08°08'42"
D=01°00'00"
R=5729.578'
L=814.500'
T=407.937'
CHD.BRG.=N35°14'57"E
CHD.LEN.=813.814'

GRAPHIC SCALE

LINE TABLE		
LINE	LENGTH	BEARING
L48	114.91'	N89°18'05"E

ISAAC STONE SURVEY NO. 352
ABSTRACT NO. 713
CO. BLK. NO. 4538

KYLE SEALE PARKWAY
SURVEY NO. 353
SURVEY NO. 352

FND. REFERENCE TYPE II MON.
STA. 3867+03.94
277.29 LT.

MONUMENT NOT SET OBSTRUCTION
STA. 3867+10.83
277.77 LT.

HV521
TRAVPT1246
TRAVIRW/CAP
N 13758408.3700
E 2080402.6200
Z 1003.65

INSET "D"

PT=3871+51.64
N 13758416.4210
E 2080401.9987

FND. TYPE II MON.
STA. 3891+78.01
360.00 LT.

FND. TYPE II MON.
STA. 3890+91.62
260.00 LT.

FND. REFERENCE TYPE II MON.
STA. 3892+93.28
366.94 LT.

FND. TYPE II MON.
STA. 3893+66.89
272.00 LT.

FND. REFERENCE TYPE II MON.
STA. 3892+97.87
354.54 LT.

SET TYPE III MON.
STA. 3882+41.50
260.00 LT.

1.103 ACRES
DRAINAGE EASEMENT
VOL. , PG.

MONUMENT NOT SET OBSTRUCTION
STA. 3884+61.92
260.00 LT.

281.27'
N31°10'35"E
761
R.O.W.
BM L329R
N39°19'18"E
758
220.42'
757
2401.71'
629.71'
R.O.W.
BM L329A
756
755
150.62'
N27°44'19"W
754
L43
SEE INSET "C"
753
273.92'
N39°19'18"E

SEE INSET "D"

GPS CONTROL POINT
PISH22
TRAVPT22
N 13758100.9123
E 2080142.5976
Z 984.18

GPS CONTROL POINT
VA3
TRAVPT3
TRAVIRW/CAP
N 13759959.3675
E 2081567.2816
Z

MONUMENT NOT SET OBSTRUCTION
STA. 3892+93
360.00 LT.

MATCH LINE STA. 3865+00

528
3870+00
527
LOOP 1604
3875+00
3880+00
578
N 39°19'18" E
(S 39°34'17" W – APRIL, 1989)
3885+00
3890+00
579

MATCH LINE STA. 3895+00

SEE INSET "E"

NEW STA. 3870+00
OLD STA. 185+40.25

MONUMENT NOT SET OBSTRUCTION
STA. 3872+41.55
260.00 RT.

HV520
TRAVPT1239
TRAVIRW/CAP
N 13759581.6400
E 2081355.3200
Z 999.88

NEW STA. 3890+00
OLD STA. 165+40.25

MONUMENT NOT SET OBSTRUCTION
STA. 3869+41.54
265.00' RT.

S35°00'22"W
160.47'
764
285.89'
S35°07'11"W
763
290.37'
S37°36'35"W
762
R.O.W.
BM
S39°19'18"W
1034.10'
759
200.01'
760
3500.18'
BM L328R
R.O.W.

SEE INSET "A"

SEE INSET "B"

FND. REFERENCE TYPE II MON.
STA. 3869+43.81
264.99' RT.

FND. REFERENCE TYPE II MON.
STA. 3872+43.81
260.04 RT.

FND. TYPE II MON.
STA. 3866+41.69
268.00' RT.

FND. REFERENCE TYPE II MON.
STA. 3869+39.54
265.12' RT.

FND. REFERENCE TYPE II MON.
STA. 3872+39.76
260.07' RT.

ISAAC STONE SURVEY NO. 352
ABSTRACT NO. 713
CO. BLK. NO. 4538

N40°17'10"E
2.27'
R.O.W.
R.O.W.
S37°08'23"W
1.78'

INSET "B"

SET TYPE III MON.
STA. 3882+75.65
260.00 RT.

0.378 ACRE
DRAINAGE EASEMENT
VOL. , PG.

0.085 ACRE
DRAINAGE EASEMENT
VOL. , PG.

MONUMENT NOT SET OBSTRUCTION
STA. 3884+75.66
260.00 RT.

N48°22'01"W
6.94'
N87°33'42"E
7.32'
R.O.W.

INSET "C"

N36°55'45"E
2.16'
R.O.W.
R.O.W.
S33°44'07"W
1.91

INSET "A"

GPS CONTROL POINT
PISH22
TRAVPT22
N 13758100.9123
E 2080142.5976
Z 984.18

S85°25'03"E
0.91'
528
PI

INSET "E"

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — — — — CENTERLINE
- — — — — ROW LINE
- ⅊ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ▣ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)340-3271

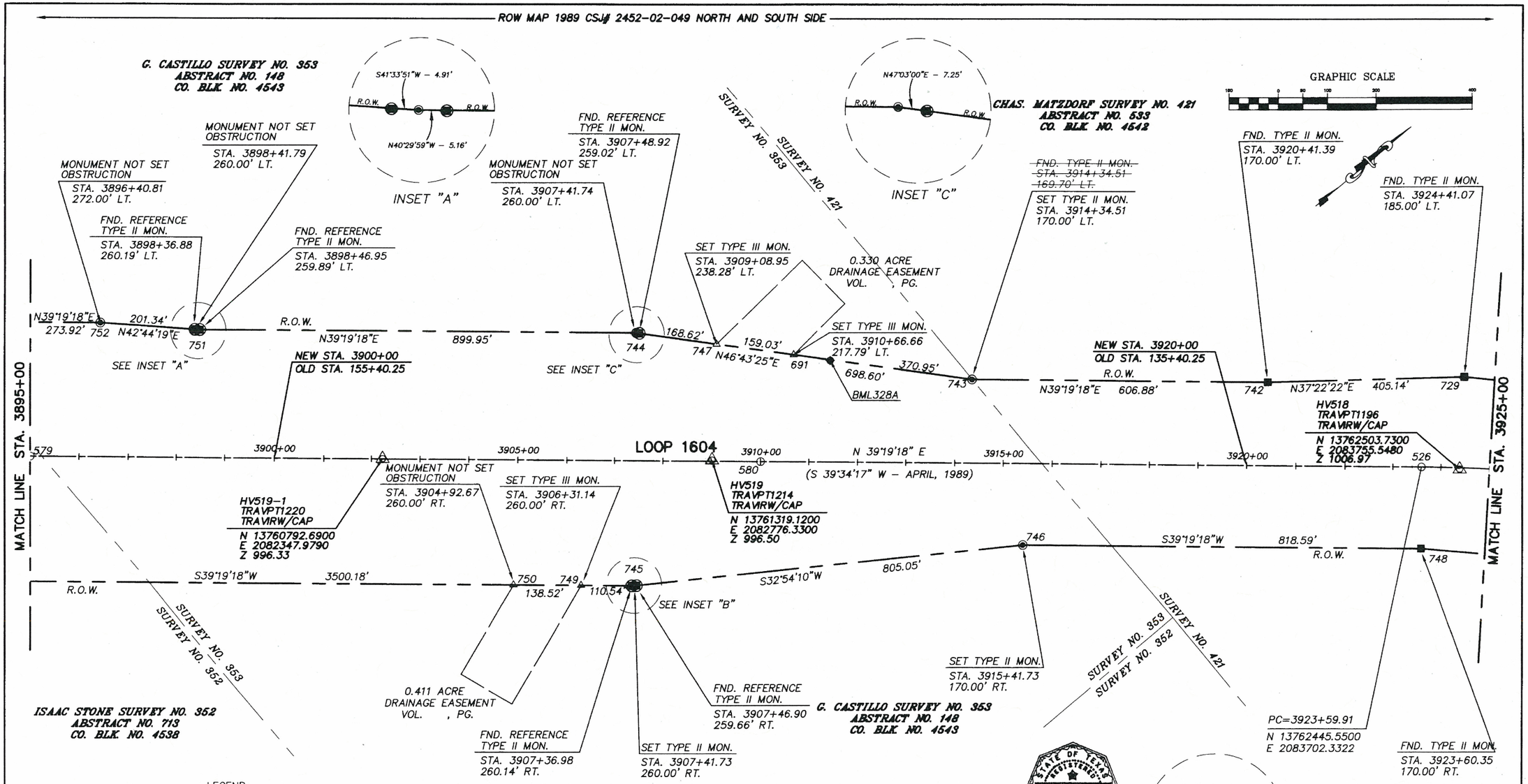
DATED THIS THE 14 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			18
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604

	CONT.	SECT.	JOB
R.O.W.	2452	02	083
CONSTRUCTION	CONT.	SECT.	JOB



LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ⊕ BENCHMARK
- — · — · — CENTERLINE
- — — — — ROW LINE
- ⅊ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ◉ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04–30–2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT–OF–WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

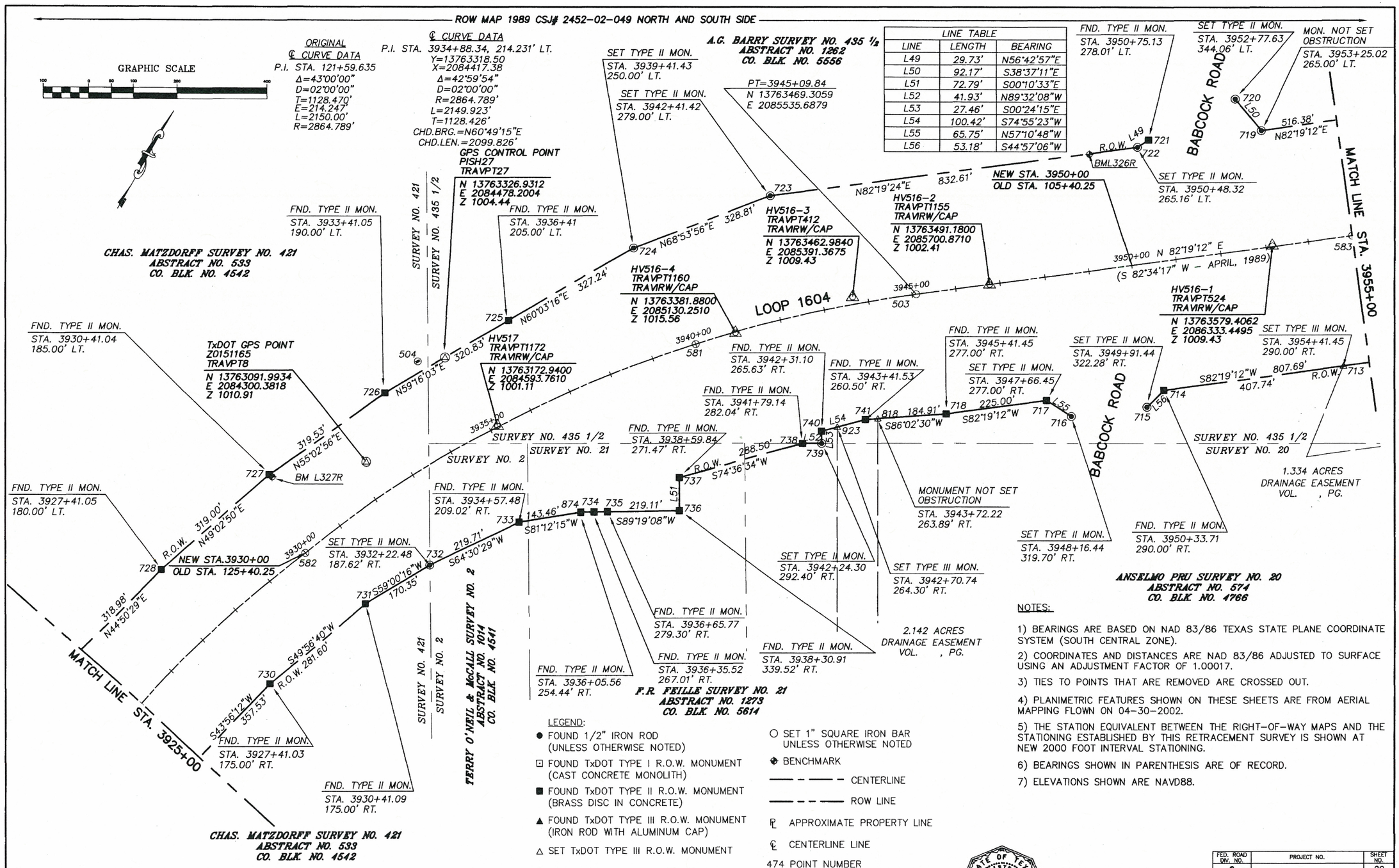
VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12840 Country Parkway, San Antonio, Texas 78216
Telephone: (210)348-3371

DATED THIS THE 14 DAY OF SEPT., 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				19
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.	CONT.	SECT.	JOB	
	2452	02	063	
CONSTRUCTION	CONT.	SECT.	JOB	

ROW MAP 1989 CSJ# 2452-02-049 NORTH AND SOUTH SIDE



LINE TABLE		
LINE	LENGTH	BEARING
L49	29.73'	N56°42'57"E
L50	92.17'	S38°37'11"E
L51	72.79'	S00°10'33"E
L52	41.93'	N89°32'08"W
L53	27.46'	S00°24'15"E
L54	100.42'	S74°55'23"W
L55	65.75'	N57°10'48"W
L56	53.18'	S44°57'06"W

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- BENCHMARK
- CENTERLINE
- ROW LINE
- ℞ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- GPS POINT

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

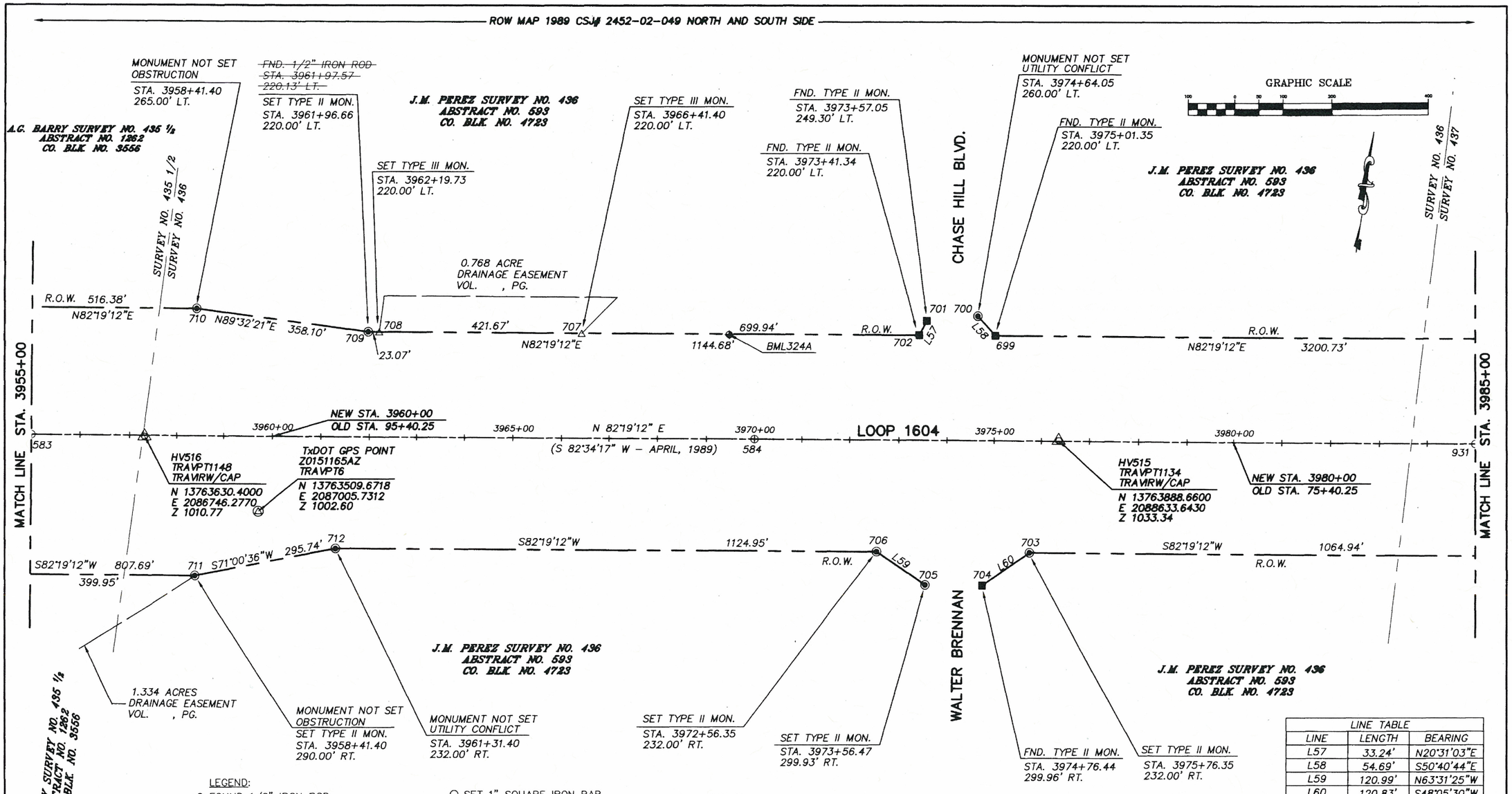
VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)348-3271

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 31 DAY OF AUGUST, 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			20
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



LINE TABLE		
LINE	LENGTH	BEARING
L57	33.24'	N20°31'03"E
L58	54.69'	S50°40'44"E
L59	120.99'	N63°31'25"W
L60	120.83'	S48°05'30"W

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — — — CENTERLINE
- ——— ROW LINE
- ℙ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- ⊕ GPS POINT
- ▣ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 14 DAY OF SEPT. 2004

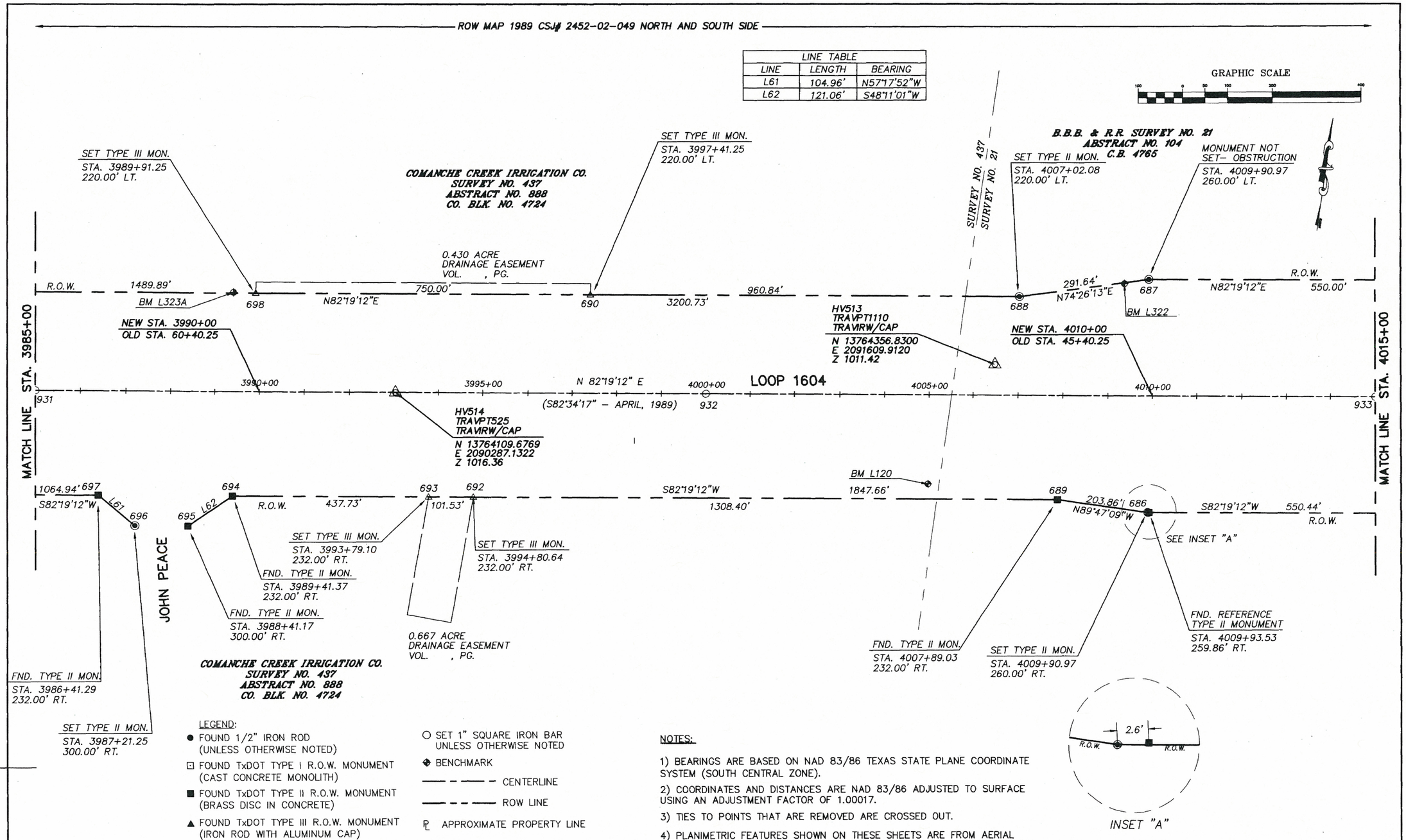
HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)340-3271

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			21
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT. 2452	SECT. 02	JOB 063
CONSTRUCTION	CONT.	SECT.	JOB

ROW MAP 1989 CSJ# 2452-02-049 NORTH AND SOUTH SIDE

LINE TABLE		
LINE	LENGTH	BEARING
L61	104.96'	N57°17'52"W
L62	121.06'	S48°11'01"W



LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- CENTERLINE
- ROW LINE
- ℞ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- Ⓐ GPS POINT

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

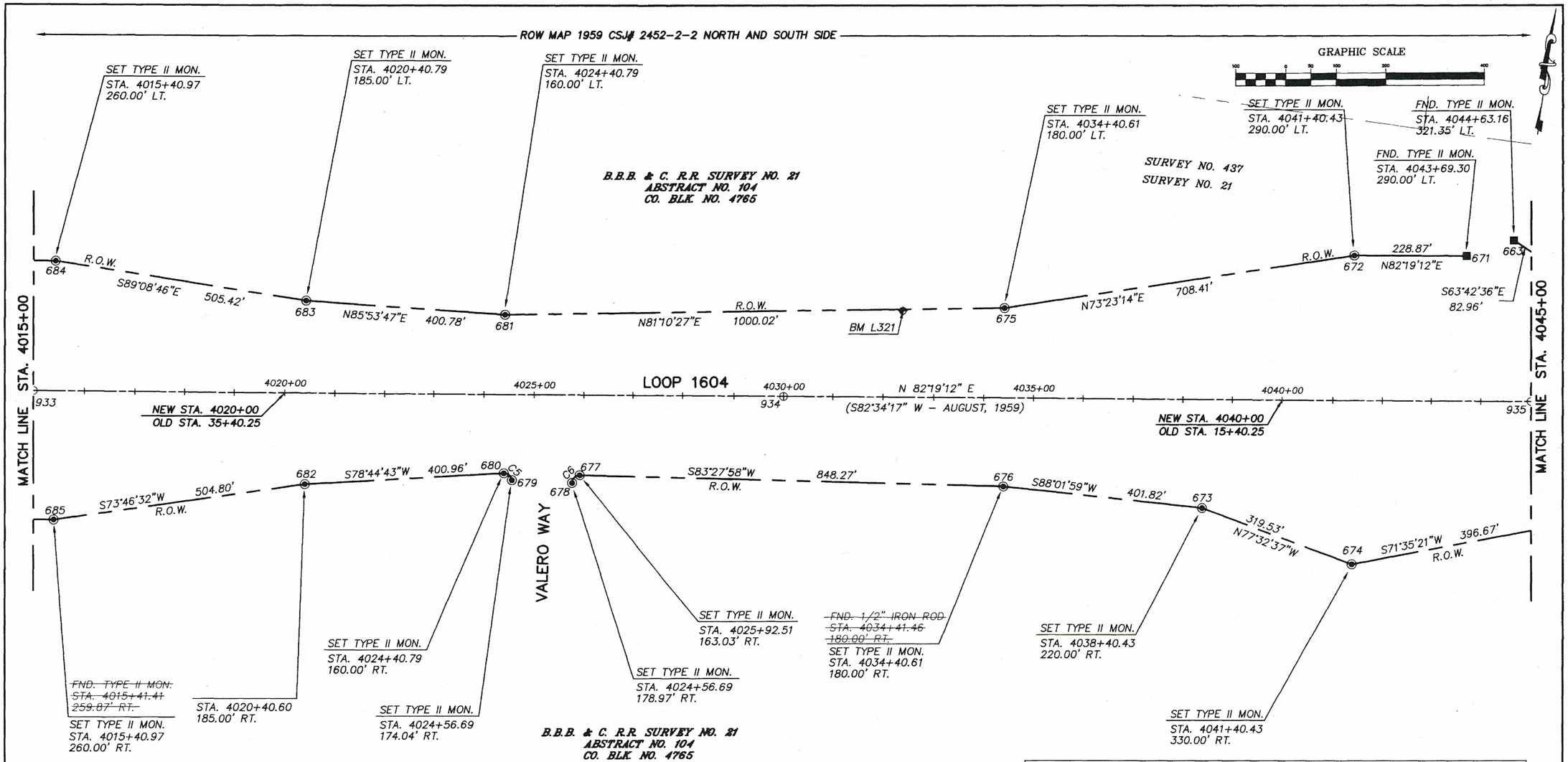
VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)348-3271

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 31 DAY OF AUGUST, 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			22
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C5	90°00'00"	15.00	23.56	15.00	N56°15'23"W	21.21
C6	94°43'21"	15.00	24.80	16.29	S36°06'17"W	22.07

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — — — — CENTERLINE
- — — — — ROW LINE
- PL APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- ⊕ GPS POINT

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

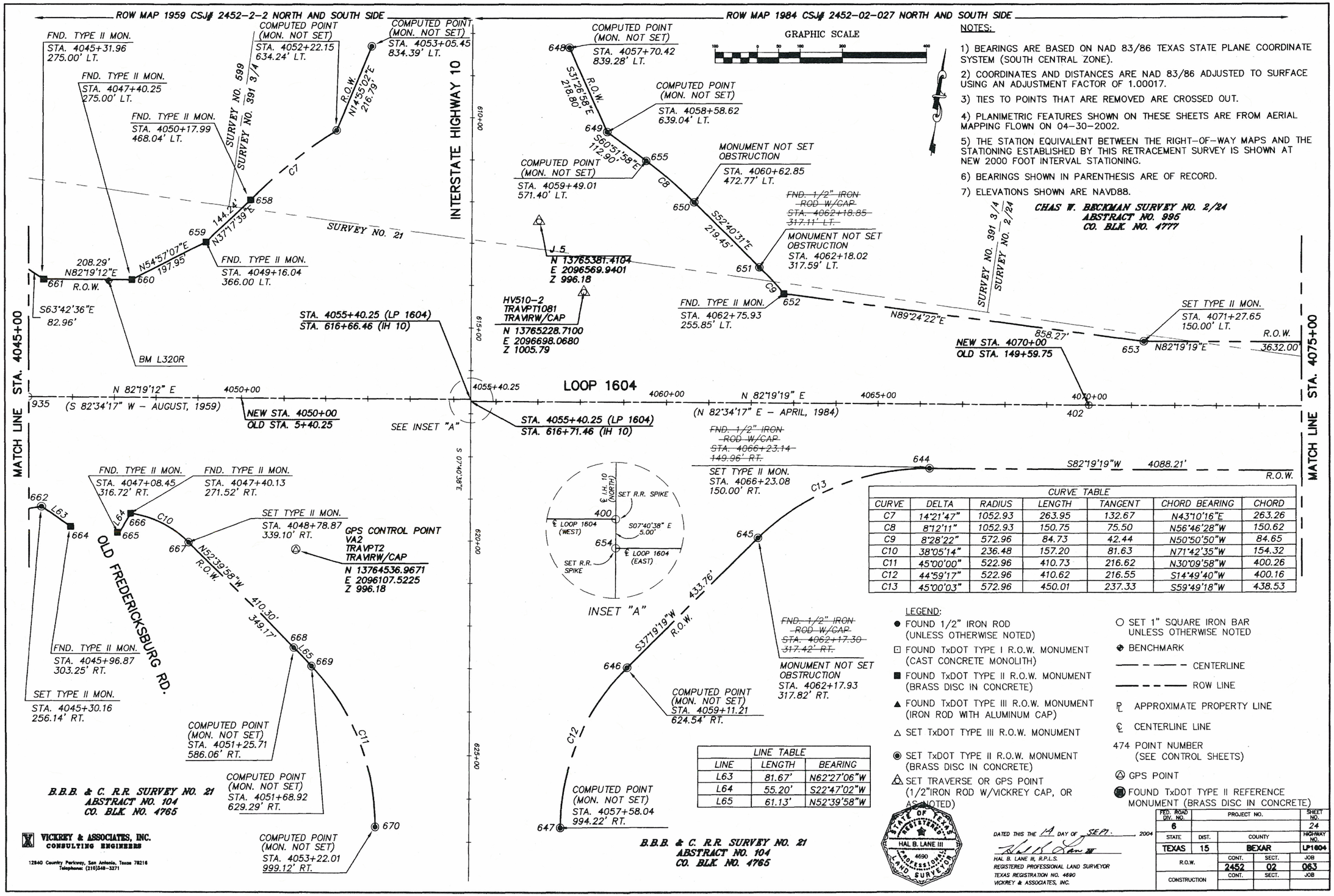
VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)548-3271

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 31 DAY OF AUGUST, 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			23
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C7	14°21'47"	1052.93	263.95	132.67	N43°10'16"E	263.26
C8	8°12'11"	1052.93	150.75	75.50	N56°46'28"W	150.62
C9	8°28'22"	572.96	84.73	42.44	N50°50'50"W	84.65
C10	38°05'14"	236.48	157.20	81.63	N71°42'35"W	154.32
C11	45°00'00"	522.96	410.73	216.62	N30°09'58"W	400.26
C12	44°59'17"	522.96	410.62	216.55	S14°49'40"W	400.16
C13	45°00'03"	572.96	450.01	237.33	S59°49'18"W	438.53

LINE TABLE

LINE	LENGTH	BEARING
L63	81.67'	N62°27'06"W
L64	55.20'	S22°47'02"W
L65	61.13'	N52°39'58"W

LEGEND:

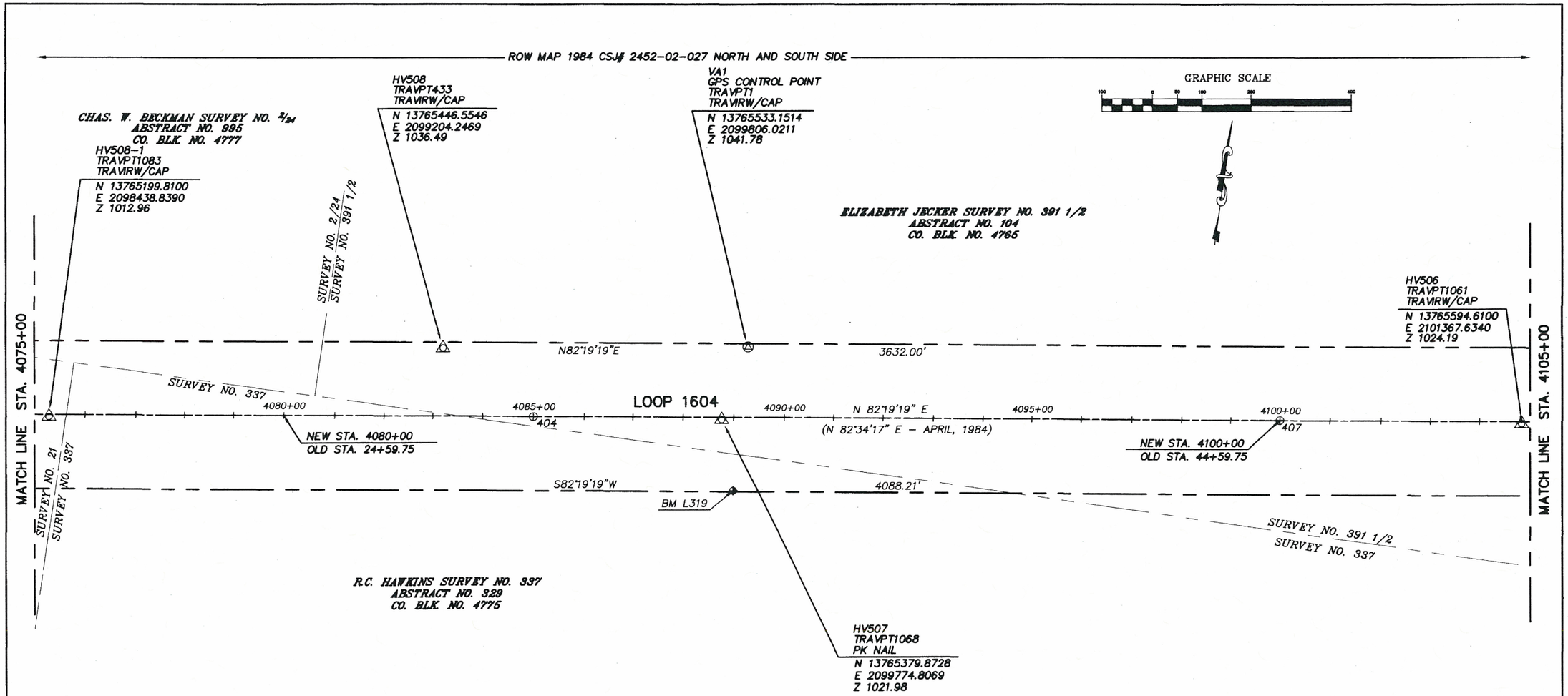
- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — - — - CENTERLINE
- — — — — ROW LINE
- ⅊ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- Ⓐ GPS POINT
- ◉ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 14 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			24
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ⊕ BENCHMARK
- — - — - CENTERLINE
- — - - — ROW LINE
- PL APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ◉ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)548-3271

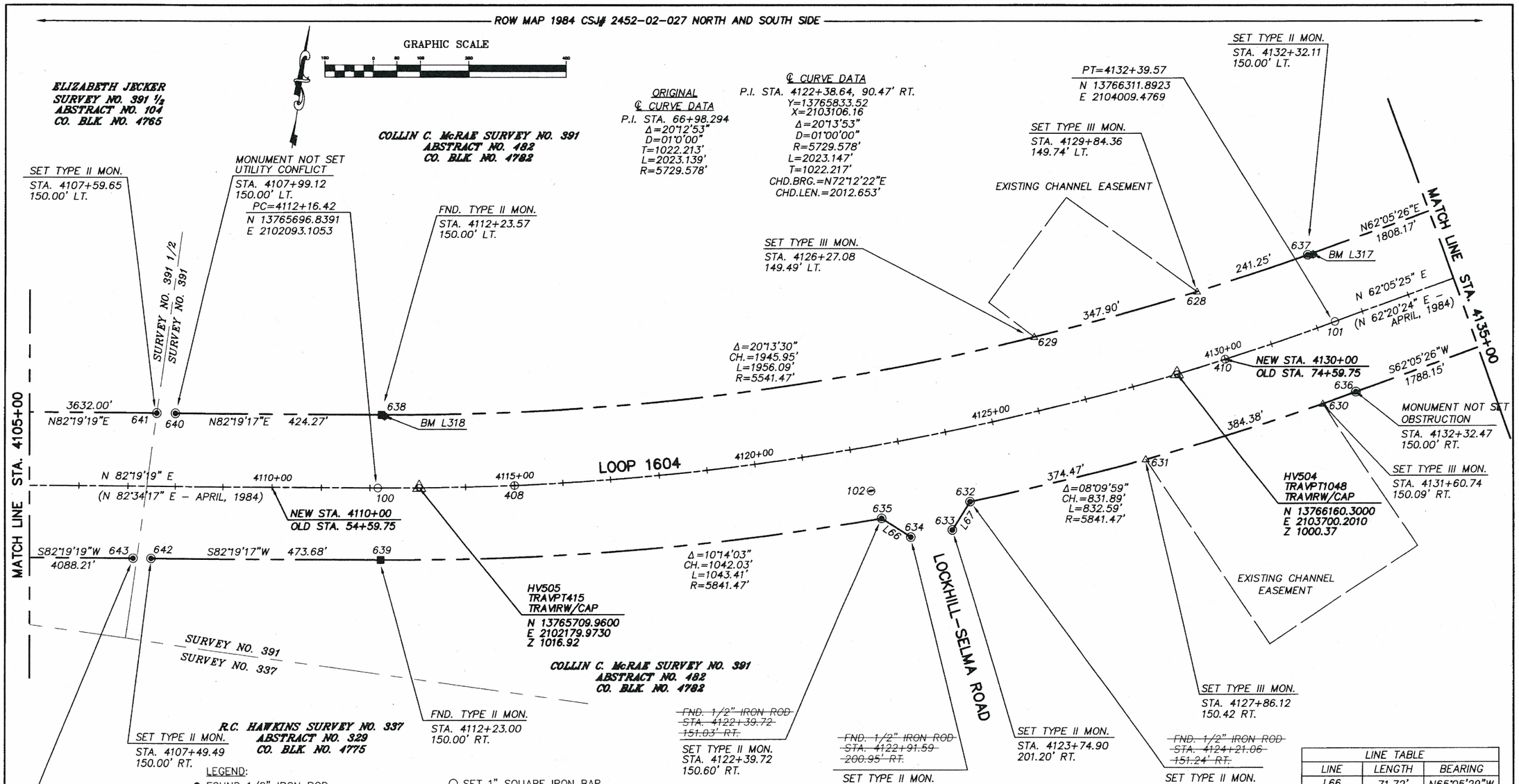
STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 14 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			25
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604

	CONT.	SECT.	JOB
R.O.W.	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — — — — CENTERLINE
- — — — — ROW LINE
- ℙ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ■ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

LINE TABLE		
LINE	LENGTH	BEARING
L66	71.72'	N65°05'29"W
L67	69.55'	S23°47'33"W

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)348-3271

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 14 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				26
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.	CONT.	SECT.	JOB	
	2452	02	063	
CONSTRUCTION	CONT.	SECT.	JOB	

ROW MAP 1995 CSJ# 2452-02-027 NORTH AND SOUTH SIDE

GRAPHIC SCALE

COLLIN C. McRAE SURVEY NO. 391
ABSTRACT NO. 482
CO. BLK. NO. 4782

SET TYPE III MON.
STA. 4140+53.18
150.00' LT.

EXISTING CHANNEL EASEMENT

SET TYPE III MON.
STA. 4142+03.18
150.00' LT.

~~FND. TYPE II MON.~~
~~STA. 4150+40.46~~
~~149.76' LT.~~

SET TYPE II MON.
STA. 4150+40.47
150.00' LT.

FND. TYPE II MON.
STA. 4151+90.48
185.00' LT.

SET TYPE II MON.
STA. 4156+40.44
185.00' LT.

SET TYPE III MON.
STA. 4159+25.75
197.89' LT.

EXISTING CHANNEL EASEMENT

SET TYPE III MON.
STA. 4160+60.45
203.98' LT.

~~FND. TYPE II MON.~~
~~STA. 4162+29.75~~
~~211.03' LT.~~

SET TYPE II MON.
STA. 4162+29.04
211.58' LT.

MATCH LINE STA. 4135+00

820.87'
N62°05'26"E

625 — 150.00' — 624

837.30'
1808.17'

BM L316R — 616 — L68 — 615 — N62°01'42"E 449.08' — 614

N59°14'00"E 589.20' — 613 — 612 — 611 — 412.44'
N62°06'02"E

NEW STA. 4160+00
OLD STA. 104+59.75

LOOP 1604

4140+00 — 4145+00 — 4150+00

HV503
TRAVPT1040
TRAVIRW/CAP
N 13766657.4300
E 2104660.2840
Z 976.07

N 62°05'25" E
(N 62°20'24" E – APRIL, 1984)

NEW STA. 4140+00
OLD STA. 84+59.75

419

103 — 104
1034

426
N 61°49'08" E
(N 62°03'22" E – APRIL, 1984)

HV502
TRAVPT1029
TRAVIRW/CAP
N 13767612.2100
E 2106468.4330
Z 998.24

MATCH LINE STA. 4165+00

S62°05'26"W
795.90'

627 — 150.00' — 626

1788.15'
842.25'

617 — L69 — 618 — S62°05'48"W 585.94' — 619 — S67°01'46"W 523.55' — 620 — S67°34'56"W 264.82' — 621

SURVEY NO. 391 / SURVEY NO. 77

PC=4155+10.15
N 13767374.6999
E 2106015.9583

PT=4155+64.43
N 13767400.2204
E 2106063.8640

SET TYPE III MON.
STA. 4140+28.18
150.00' RT.

EXISTING CHANNEL EASEMENT

SET TYPE III MON.
STA. 4141+78.18
150.00' RT.

FND. TYPE II MON.
STA. 4150+20.43
150.00' RT.

FND. TYPE II MON.
STA. 4151+20.43
160.00' RT.

FND. TYPE II MON.
STA. 4157+05.60
160.86' RT.

FND. TYPE II MON.
STA. 4162+26.98
208.41' RT.

FND. TYPE II MON.
STA. 4164+90.47
235.00' RT.

COLLIN C. McRAE SURVEY NO. 391
ABSTRACT NO. 482
CO. BLK. NO. 4782

ORIGINAL ℄ CURVE DATA
P.I. STA. 99+97.008
Δ=00°17'02"
D=00°30'00"
T=28.395'
L=56.789'
R=11459.156'

℄ CURVE DATA
P.I. STA. 4155+37.29, 0.03' RT.
Y=13767387.40
X=2106039.94
Δ=00°16'17"
D=00°30'00"
R=11459.156'
L=54.280'
T=27.140'
CHD.BRG.=N61°57'17"W
CHD.LEN.=54.279'

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	TANGENT	CHORD BEARING	CHORD
C14	8°09'59"	5841.47	832.59	417.00	N66°10'42"E	831.89

LINE TABLE		
LINE	LENGTH	BEARING
L68	154.04'	N48°57'25"E
L69	100.50'	S67°48'04"W

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ◆ BENCHMARK
- — - — - CENTERLINE
- — - - — ROW LINE
- ℙ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- ⊕ GPS POINT
- ■ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04–30–2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT–OF–WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

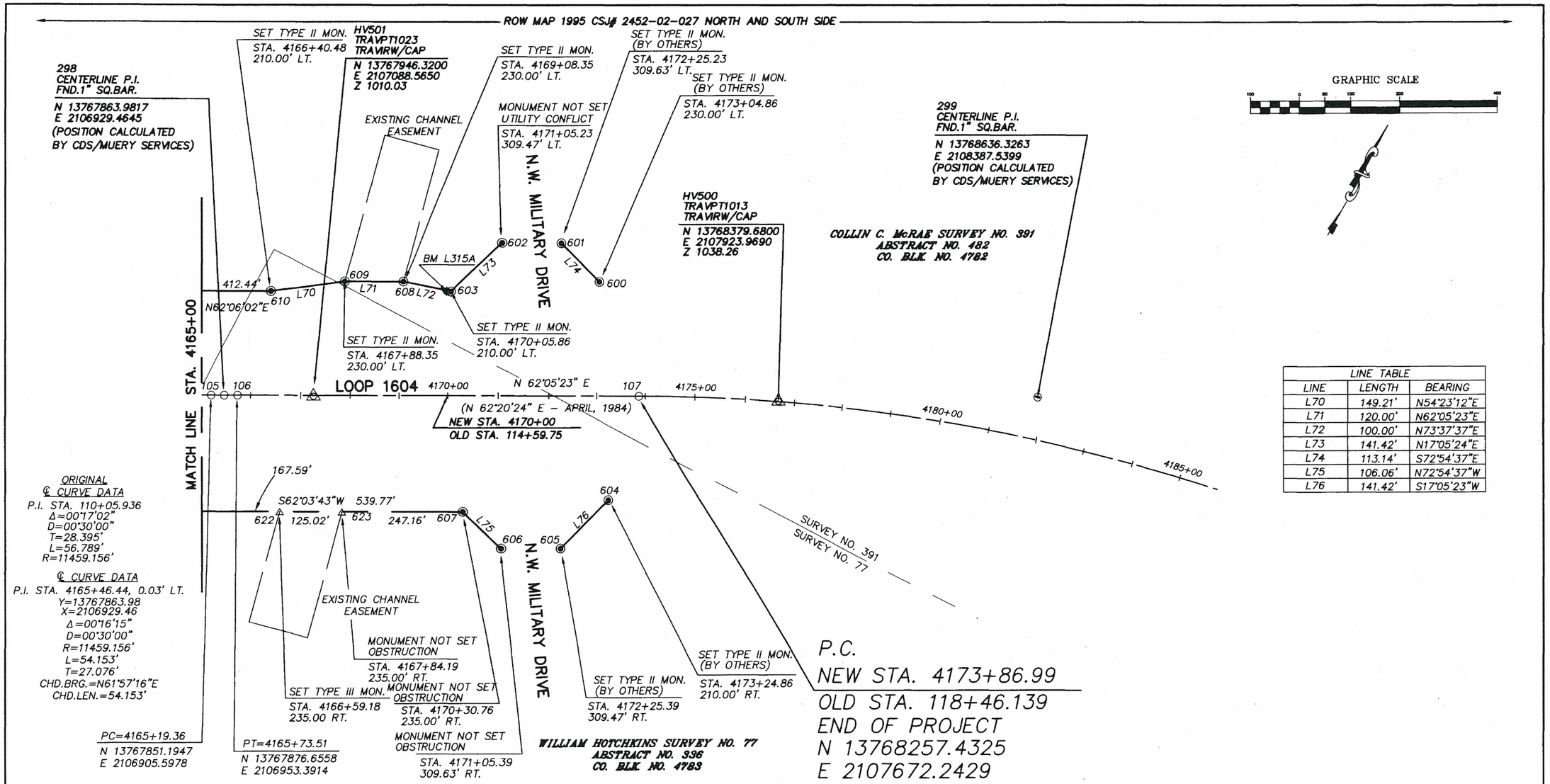
STATE OF TEXAS
HAL B. LANE III
4690
REGISTERED PROFESSIONAL LAND SURVEYOR

DATED THIS THE 14 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)546-3271

FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				27
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.		CONT.	SECT.	JOB
		2452	02	063
CONSTRUCTION		CONT.	SECT.	JOB



LINE TABLE		
LINE	LENGTH	BEARING
L70	149.21'	N54°23'12"E
L71	120.00'	N62°05'23"E
L72	100.00'	N73°37'37"E
L73	141.42'	N17°05'24"E
L74	113.14'	S72°54'37"E
L75	106.06'	N72°54'37"W
L76	141.42'	S17°05'23"W

LEGEND:

- ● FOUND 1/2" IRON ROD (UNLESS OTHERWISE NOTED)
- ⊡ FOUND TxDOT TYPE I R.O.W. MONUMENT (CAST CONCRETE MONOLITH)
- ■ FOUND TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- ▲ FOUND TxDOT TYPE III R.O.W. MONUMENT (IRON ROD WITH ALUMINUM CAP)
- △ SET TxDOT TYPE III R.O.W. MONUMENT
- ◉ SET TxDOT TYPE II R.O.W. MONUMENT (BRASS DISC IN CONCRETE)
- △ SET TRAVERSE OR GPS POINT (1/2"IRON ROD W/VICKREY CAP, OR AS NOTED)
- ○ SET 1" SQUARE IRON BAR UNLESS OTHERWISE NOTED
- ⊕ BENCHMARK
- — - — - CENTERLINE
- — — — ROW LINE
- ⅊ APPROXIMATE PROPERTY LINE
- ℄ CENTERLINE LINE
- 474 POINT NUMBER (SEE CONTROL SHEETS)
- △ GPS POINT
- ◉ FOUND TxDOT TYPE II REFERENCE MONUMENT (BRASS DISC IN CONCRETE)

NOTES:

1) BEARINGS ARE BASED ON NAD 83/86 TEXAS STATE PLANE COORDINATE SYSTEM (SOUTH CENTRAL ZONE).

2) COORDINATES AND DISTANCES ARE NAD 83/86 ADJUSTED TO SURFACE USING AN ADJUSTMENT FACTOR OF 1.00017.

3) TIES TO POINTS THAT ARE REMOVED ARE CROSSED OUT.

4) PLANIMETRIC FEATURES SHOWN ON THESE SHEETS ARE FROM AERIAL MAPPING FLOWN ON 04-30-2002.

5) THE STATION EQUIVALENT BETWEEN THE RIGHT-OF-WAY MAPS AND THE STATIONING ESTABLISHED BY THIS RETRACEMENT SURVEY IS SHOWN AT NEW 2000 FOOT INTERVAL STATIONING.

6) BEARINGS SHOWN IN PARENTHESIS ARE OF RECORD.

7) ELEVATIONS SHOWN ARE NAVD88.

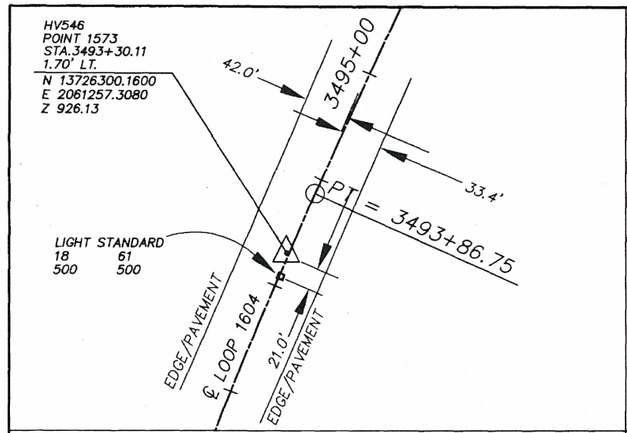
VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12840 Country Parkway, San Antonio, Texas 78216
Telephone: (210)340-3371

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

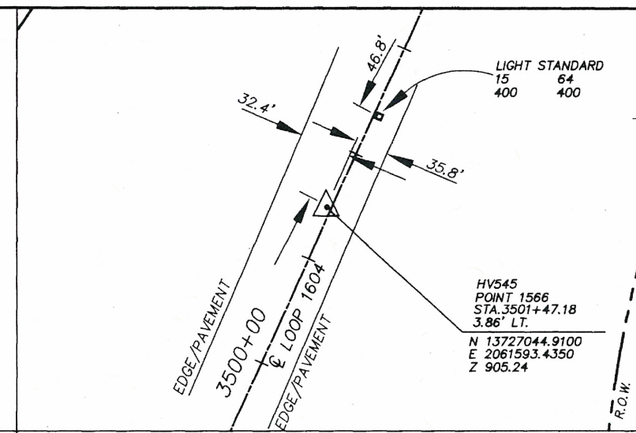
DATED THIS THE 14 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

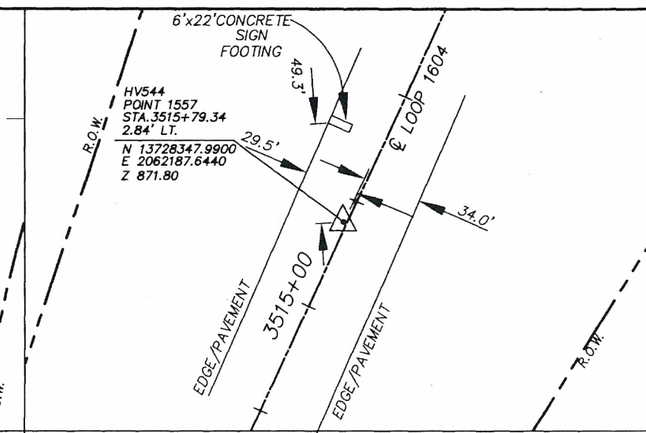
FED. ROAD DIV. NO.	PROJECT NO.			SHEET NO.
6				28
STATE	DIST.	COUNTY		HIGHWAY NO.
TEXAS	15	BEXAR		LP1604
R.O.W.	CONT.	SECT.	JOB	
	2452	02	053	
CONSTRUCTION	CONT.	SECT.	JOB	



CONTROL POINT NO. 1573: 1/2" IRON ROD W/VICKREY CAP SET, LOCATED 0.69 MILE SOUTH OF THE INTERSECTION OF LP 1604 AND CULEBRA RD.



CONTROL POINT NO. 1566: 1/2" IRON ROD W/VICKREY CAP SET, LOCATED 0.53 MILE SOUTH OF THE INTERSECTION OF LP 1604 AND CULEBRA RD.



CONTROL POINT NO. 1557: 1/2" IRON ROD W/VICKREY CAP SET, LOCATED 0.27 MILE SOUTH OF THE INTERSECTION OF LP 1604 AND CULEBRA RD.

NOTES:

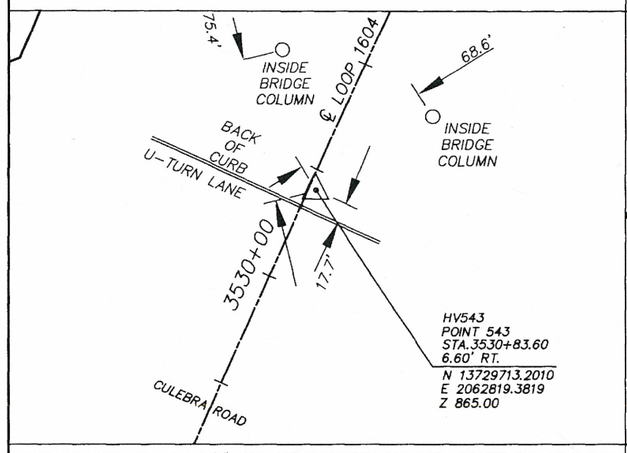
1. COORDINATES SHOWN ARE BASED ON NAD83/86 DATUM, TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, AS FURNISHED BT THE TEXAS DEPARTMENT OF PUBLIC TRANSPORTATION.
2. COORDINATES AND DISTANCES ARE SURFACE, USING A SURFACE ADJUSTMENT FACTOR OF 1.00017.
3. THE HORIZONTAL CONTROL WAS ESTABLISHED USING GPS METHODS.
4. ALL ELEVATIONS SHOWN ARE BASED ON NAVD88 DATUM.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

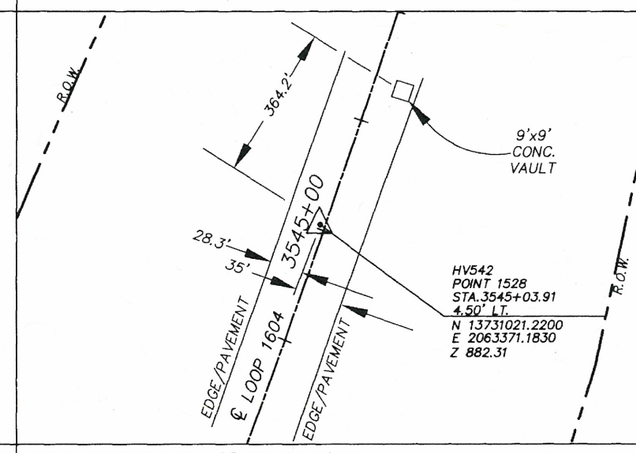
DATED THIS THE 14 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

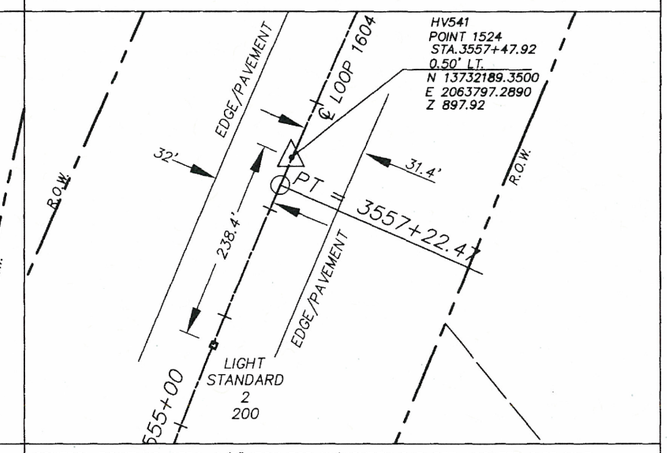
GRAPHIC SCALE



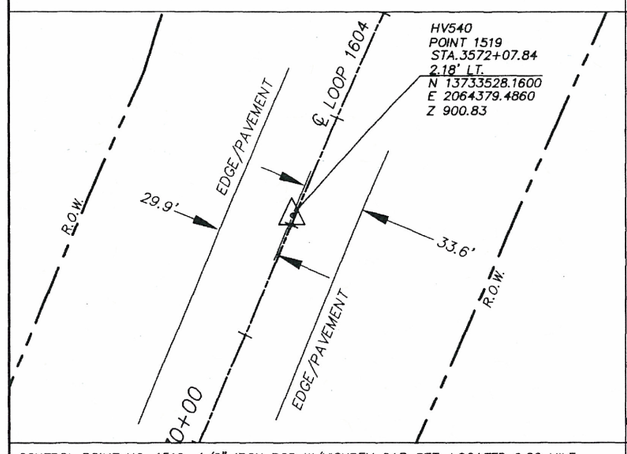
CONTROL POINT NO. 543: 1/2" IRON ROD W/VICKREY CAP SET, LOCATED ON THE NORTH SIDE OF THE INTERSECTION OF LP 1604 AND CULEBRA RD.



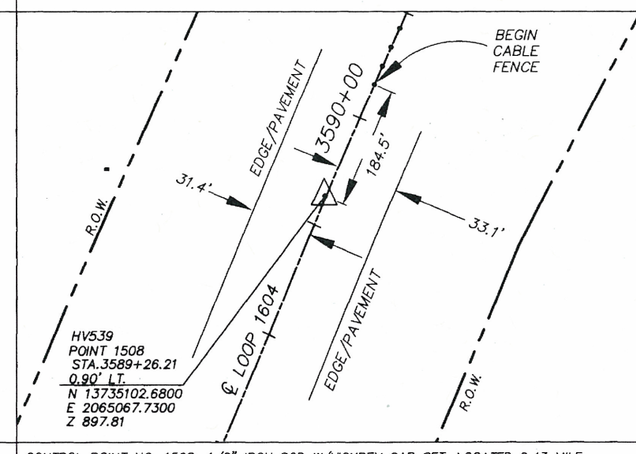
CONTROL POINT NO. 1528: 1/2" IRON ROD W/VICKREY CAP SET, LOCATED 0.28 MILE NORTH OF THE INTERSECTION OF LP 1604 AND CULEBRA RD.



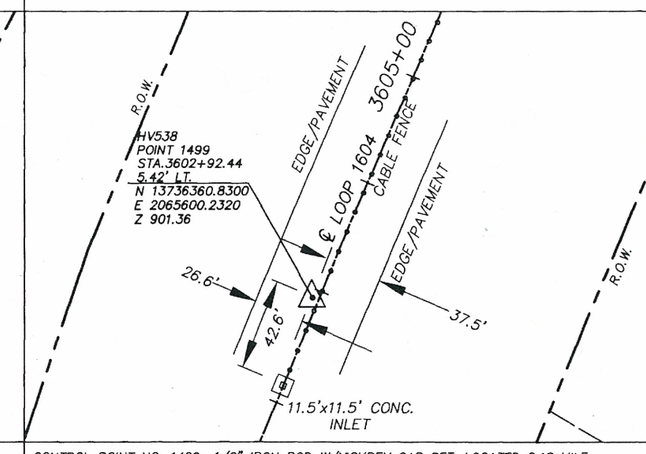
CONTROL POINT NO. 1524: 1/2" IRON ROD W/VICKREY CAP SET, LOCATED 0.53 MILE NORTH OF THE INTERSECTION OF LP 1604 AND CULEBRA RD.



CONTROL POINT NO. 1519: 1/2" IRON ROD W/VICKREY CAP SET, LOCATED 0.80 MILE NORTH OF THE INTERSECTION OF LP 1604 AND CULEBRA RD.



CONTROL POINT NO. 1508: 1/2" IRON ROD W/VICKREY CAP SET, LOCATED 0.43 MILE SOUTH OF THE INTERSECTION OF LP 1604 AND SHAENFIELD RD.

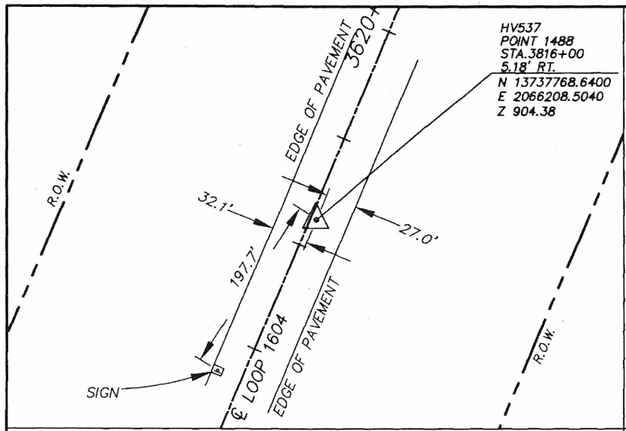


CONTROL POINT NO. 1499: 1/2" IRON ROD W/VICKREY CAP SET, LOCATED 0.18 MILE SOUTH OF THE INTERSECTION OF LP 1604 AND SHAENFIELD RD.

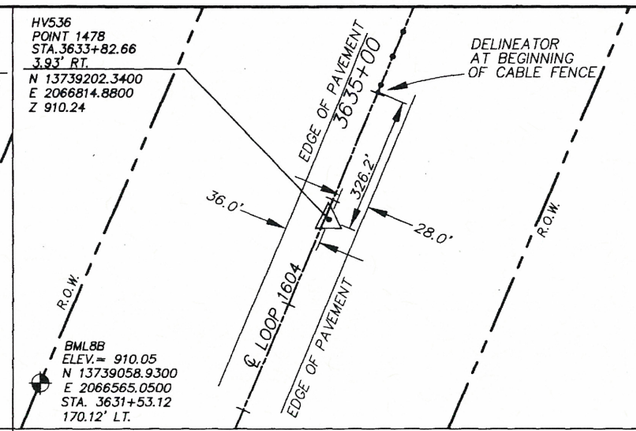
STATE LOOP 1604
HORIZONTAL CONTROL

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)348-3271

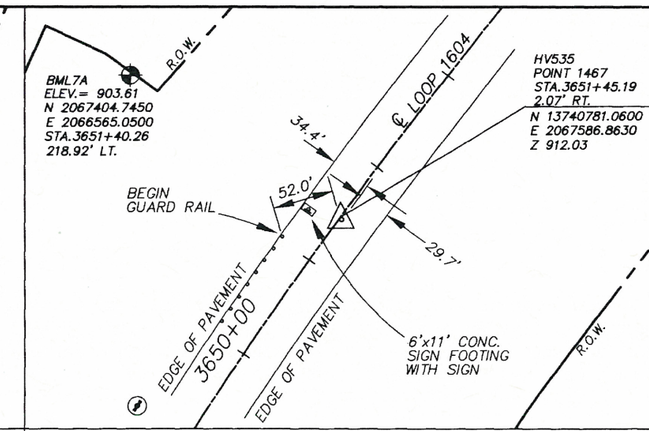
FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			29
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



CONTROL POINT NO. 1488: 1/2" IRON ROD W/ VICKREY CAP SET, LOCATED 0.11 MILE NORTH OF THE INTERSECTION OF LP 1604 AND SHAENFIELD ROAD.



CONTROL POINT NO. 1478: 1/2" IRON ROD W/ VICKREY CAP SET, LOCATED 0.40 MILE NORTH OF THE INTERSECTION OF LP 1604 AND SHAENFIELD ROAD.



CONTROL POINT NO. 1467: 1/2" IRON ROD W/ VICKREY CAP SET, LOCATED 0.74 MILE NORTH OF THE INTERSECTION OF LP 1604 AND SHAENFIELD ROAD.

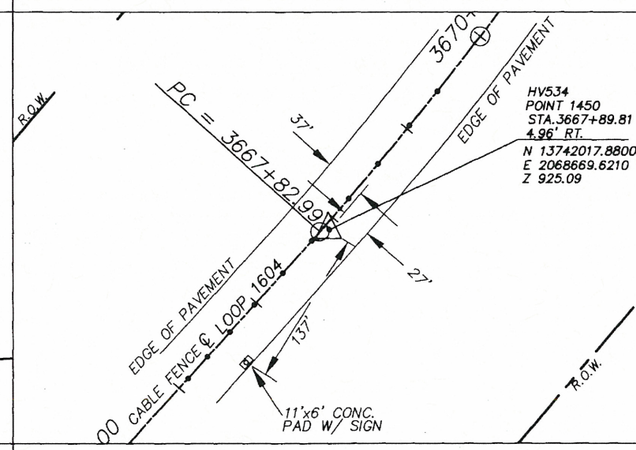
NOTES:

1. COORDINATES SHOWN ARE BASED ON NAD83/86 DATUM, TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, AS FURNISHED BT THE TEXAS DEPARTMENT OF PUBLIC TRANSPORTATION.
2. COORDINATES AND DISTANCES ARE SURFACE, USING A SURFACE ADJUSTMENT FACTOR OF 1.00017.
3. THE HORIZONTAL CONTROL WAS ESTABLISHED USING GPS METHODS.
4. ALL ELEVATIONS SHOWN ARE BASED ON NAVD88 DATUM.

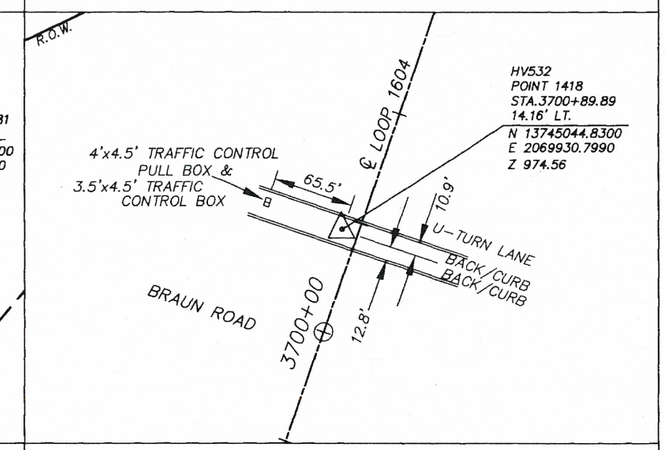
STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 19 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

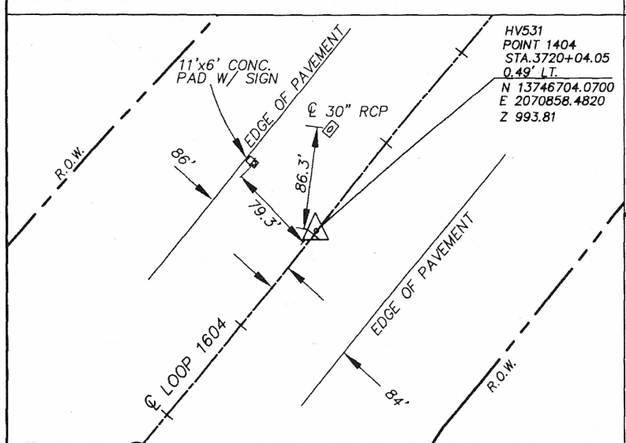


CONTROL POINT NO. 1455: 1/2" IRON ROD W/ VICKREY CAP SET, LOCATED 0.25 MILE SOUTH OF THE INTERSECTION OF LP 1604 AND NEW GUILBEAU ROAD.

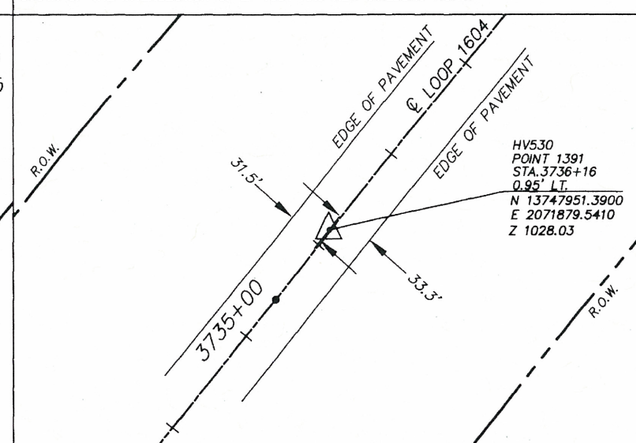


CONTROL POINT NO. 1450: 1/2" IRON ROD W/ VICKREY CAP SET, LOCATED 0.13 MILE SOUTH OF THE INTERSECTION OF LP 1604 AND NEW GUILBEAU ROAD.

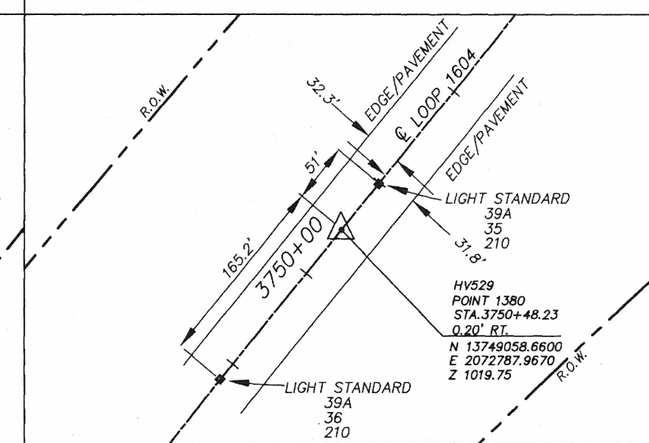
CONTROL POINT NO. 1418: 1/2" IRON ROD W/ VICKREY CAP SET, LOCATED 0.49 MILE NORTH OF THE INTERSECTION OF LP 1604 AND NEW GUILBEAU ROAD.



CONTROL POINT NO. 1404: 1/2" IRON ROD W/ VICKREY CAP SET, LOCATED 0.37 MILE NORTH OF THE INTERSECTION OF LP 1604 AND BRAUN ROAD.



CONTROL POINT NO. 1391: 1/2" IRON ROD W/ VICKREY CAP SET, LOCATED 0.68 MILE NORTH OF THE INTERSECTION OF LP 1604 AND BRAUN ROAD.



CONTROL POINT NO. 1380: 1/2" IRON ROD W/ VICKREY CAP SET, LOCATED 0.55 MILE SOUTH OF THE INTERSECTION OF LP 1604 AND BANDERA ROAD.

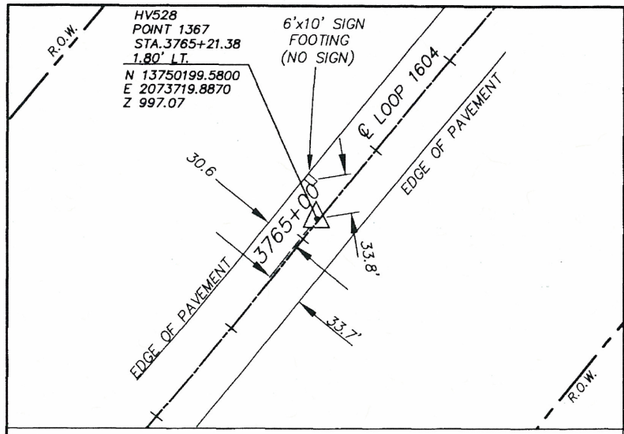
GRAPHIC SCALE

(IN FEET)
1 inch = 60 ft.

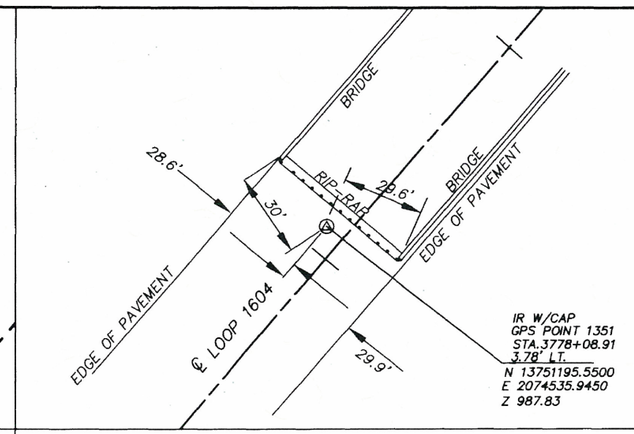
STATE LOOP 1604 HORIZONTAL CONTROL

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12840 Country Parkway, San Antonio, Texas 78216
Telephone: (210)340-3371

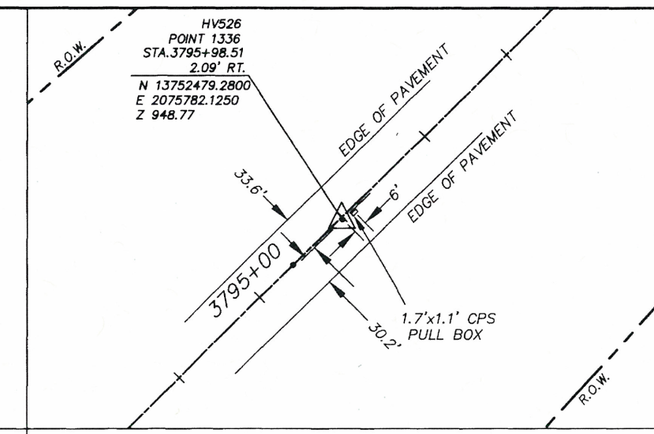
FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			30
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT. 2452	SECT. 02	JOB 063
CONSTRUCTION	CONT.	SECT.	JOB



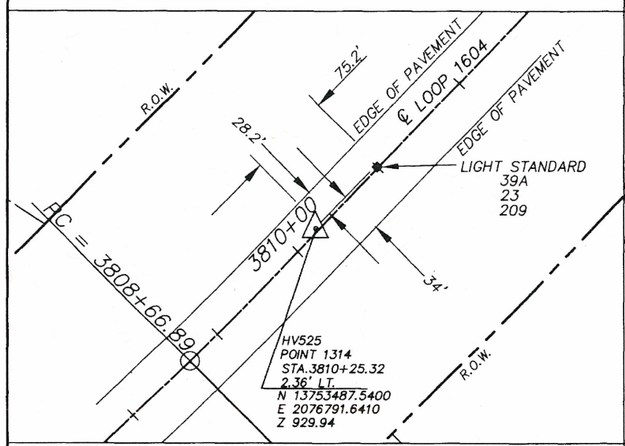
CONTROL POINT NO. 1367 – 1/2" IRON ROD W/ VICKREY CAP
LOCATED 0.28 MILE SOUTH OF BANDERA ROAD (SH 16)



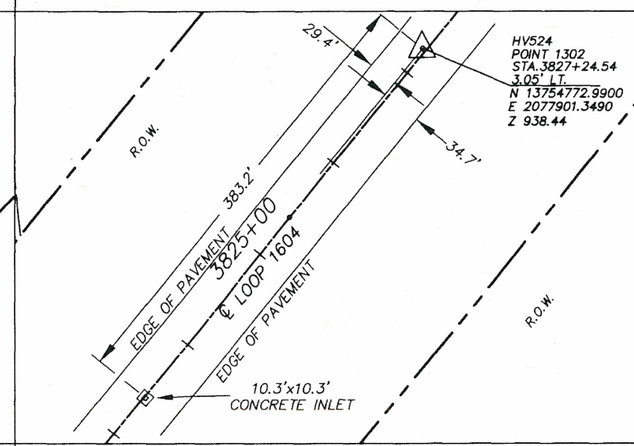
CONTROL POINT NO. 1351 – 1/2" IRON ROD W/ VICKREY CAP
LOCATED ON THE SOUTH SIDE OF BANDERA ROAD (SH 16) AT LP 1604



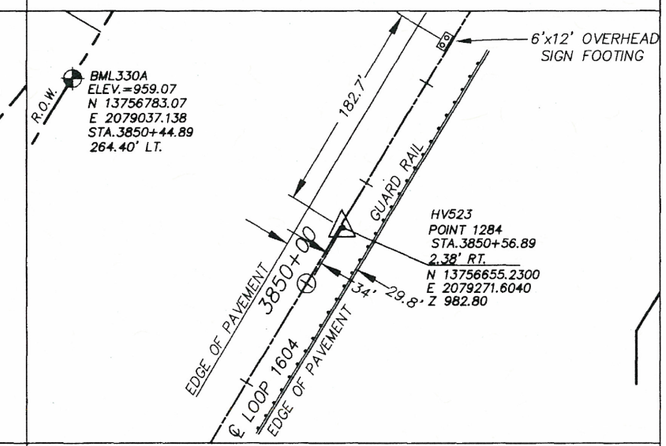
CONTROL POINT NO. 1336 – 1/2" IRON ROD W/ VICKREY CAP
LOCATED 0.31 MILE NORTH OF BANDERA ROAD (SH 16)



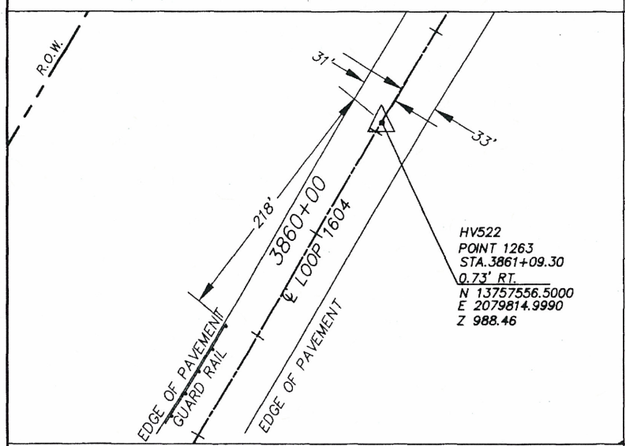
CONTROL POINT NO. 1314 – 1/2" IRON ROD W/ VICKREY CAP
LOCATED 0.60 MILE NORTH OF BANDERA ROAD (SH 16)



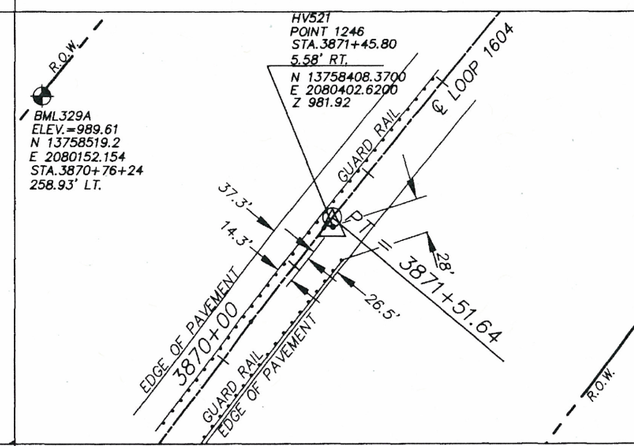
CONTROL POINT NO. 1302 – 1/2" IRON ROD W/ VICKREY CAP
LOCATED 0.90 MILE NORTH OF BANDERA ROAD (SH 16)



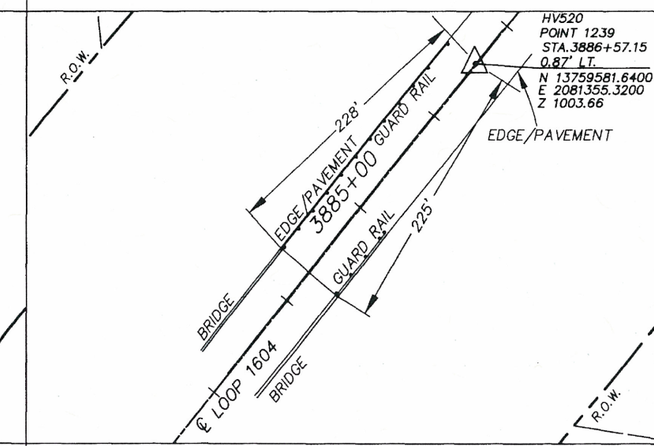
CONTROL POINT NO. 1284 – 1/2" IRON ROD W/ VICKREY CAP
LOCATED 0.15 MILE SOUTH OF HAUSMAN ROAD



CONTROL POINT NO. 1263 – 1/2" IRON ROD W/ VICKREY CAP
LOCATED 0.05 MILE NORTH OF HAUSMAN ROAD



CONTROL POINT NO. 1246 – 1/2" IRON ROD W/ VICKREY CAP
LOCATED 0.25 MILE NORTH OF HAUSMAN ROAD



CONTROL POINT NO. 1239 – 1/2" IRON ROD W/ VICKREY CAP
LOCATED 0.11 MILE SOUTH OF KYLE SEALE PARKWAY

NOTES:

1. COORDINATES SHOWN ARE BASED ON NAD83/86 DATUM, TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, AS FURNISHED BT THE TEXAS DEPARTMENT OF PUBLIC TRANSPORTATION.
2. COORDINATES AND DISTANCES ARE SURFACE, USING A SURFACE ADJUSTMENT FACTOR OF 1.00017.
3. THE HORIZONTAL CONTROL WAS ESTABLISHED USING GPS METHODS.
4. ALL ELEVATIONS SHOWN ARE BASED ON NAVD88 DATUM.

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 4 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

GRAPHIC SCALE

(IN FEET)
1 inch = 60 ft.

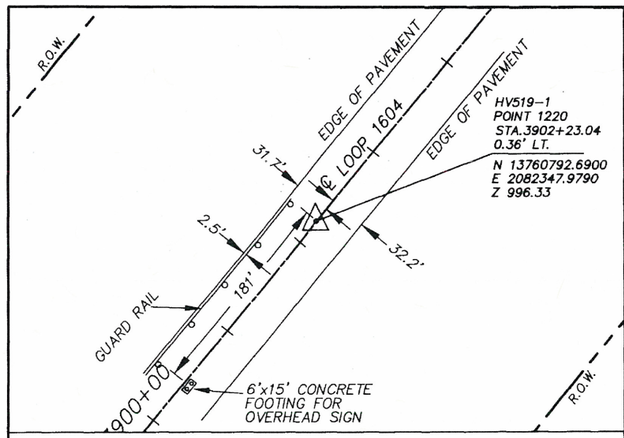
STATE LOOP 1604 HORIZONTAL CONTROL

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS

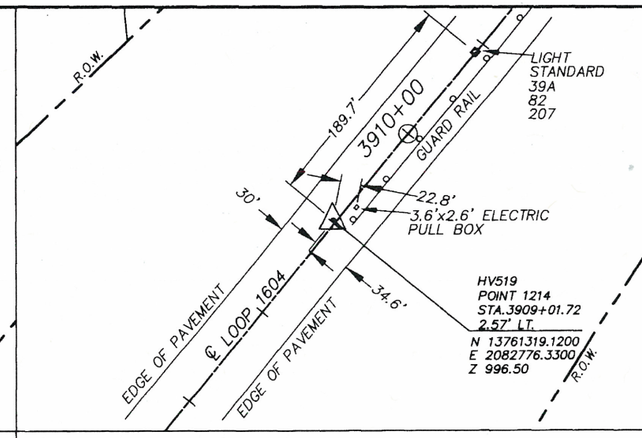
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)340-3271

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			31
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604

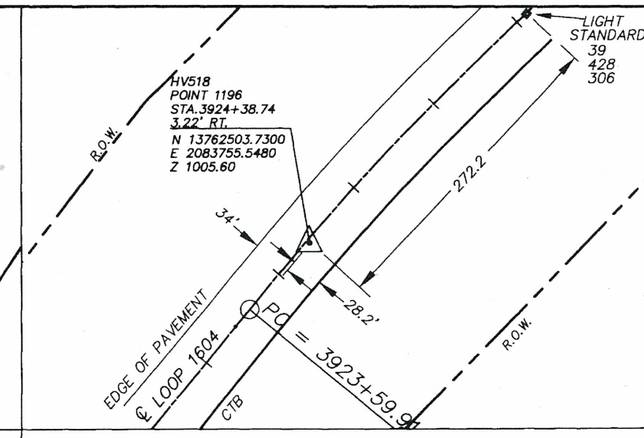
	CONT.	SECT.	JOB
R.O.W.	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



CONTROL POINT NO. 1220 – 1/2" IRON ROD W/ CAP SET
LOCATED 0.19 MILE NORTH OF KYLE SEALE PARKWAY



CONTROL POINT NO. 1214 – 1/2" IRON ROD W/ CAP SET
LOCATED 0.32 MILE NORTH OF KYLE SEALE PARKWAY



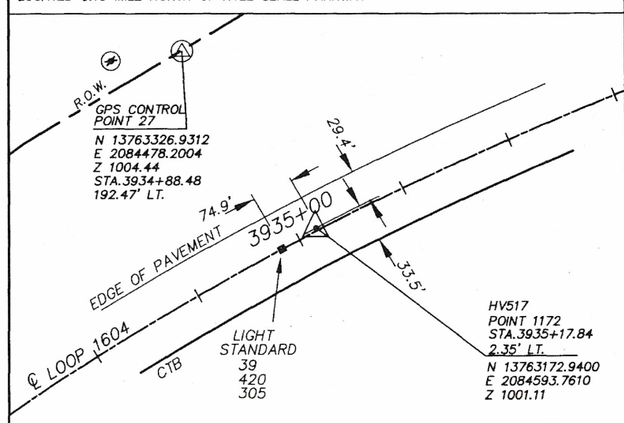
CONTROL POINT NO. 1196 – 1/2" IRON ROD W/ CAP SET
LOCATED 0.50 MILE SOUTH OF BABCOCK ROAD

NOTES:
1. COORDINATES SHOWN ARE BASED ON NAD83/86 DATUM, TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, AS FURNISHED BT THE TEXAS DEPARTMENT OF PUBLIC TRANSPORTATION.
2. COORDINATES AND DISTANCES ARE SURFACE, USING A SURFACE ADJUSTMENT FACTOR OF 1.00017.
3. THE HORIZONTAL CONTROL WAS ESTABLISHED USING GPS METHODS.
4. ALL ELEVATIONS SHOWN ARE BASED ON NAVD88 DATUM.

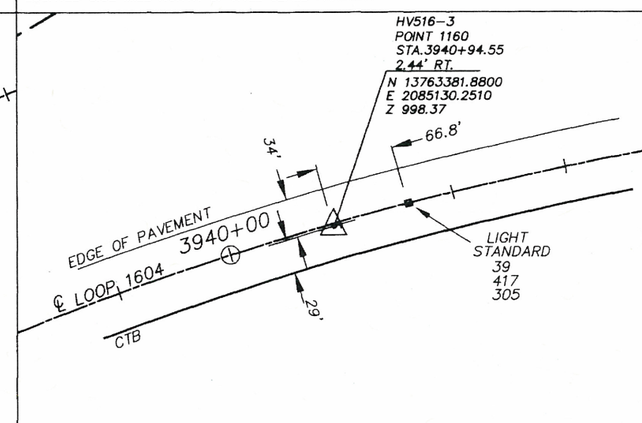
STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 14 DAY OF SEPT., 2004

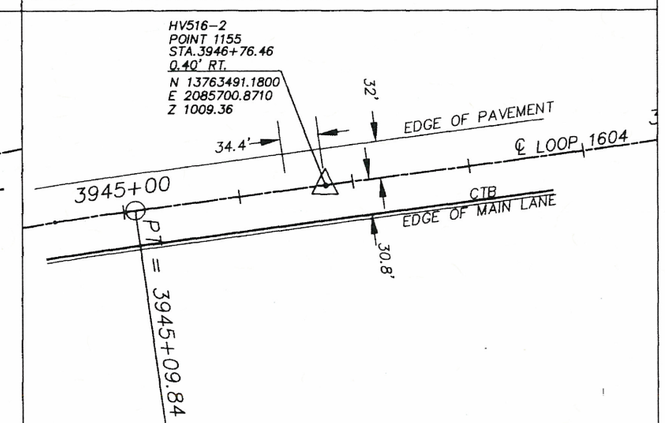
HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.



CONTROL POINT NO. 1172 – 1/2" IRON ROD W/ CAP SET
LOCATED 0.29 MILE SOUTHWEST OF BABCOCK ROAD

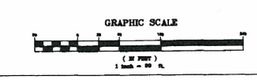


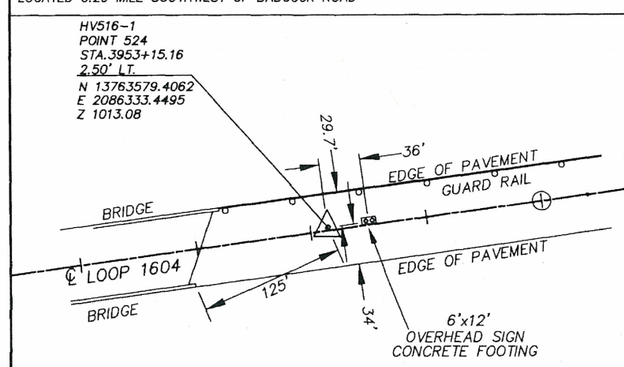
CONTROL POINT NO. 1160 – 1/2" IRON ROD W/ CAP SET
LOCATED 0.18 MILE WEST OF BABCOCK ROAD



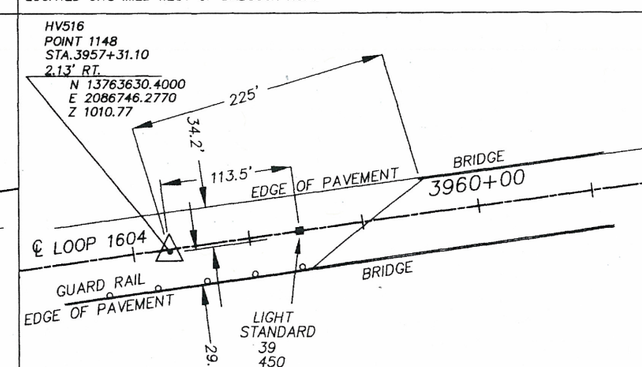
CONTROL POINT NO. 1155 – 1/2" IRON ROD W/ CAP SET
LOCATED 0.07 MILE WEST OF BABCOCK ROAD

GRAPHIC SCALE





CONTROL POINT NO. 524 – 1/2" IRON ROD W/ CAP SET
LOCATED 0.05 MILE EAST OF BABCOCK ROAD

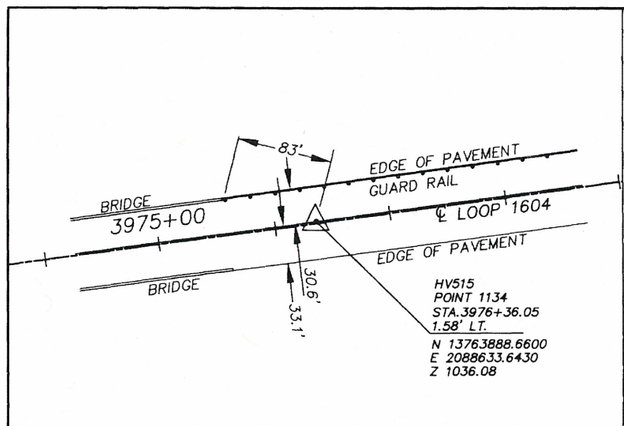


CONTROL POINT NO. 1148 – 1/2" IRON ROD W/ CAP SET
LOCATED 0.13 MILE EAST OF BABCOCK ROAD

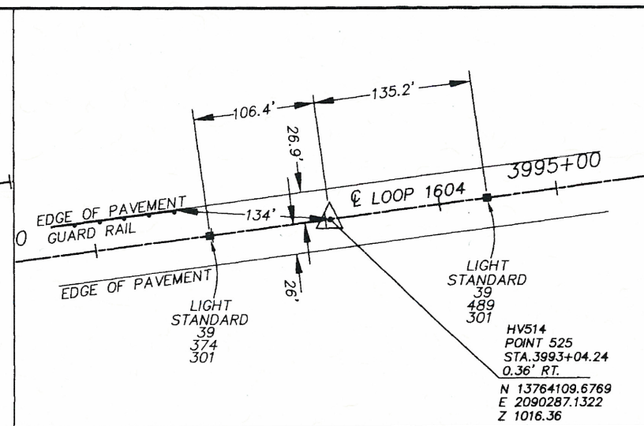
STATE LOOP 1604
HORIZONTAL CONTROL

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)546-3271

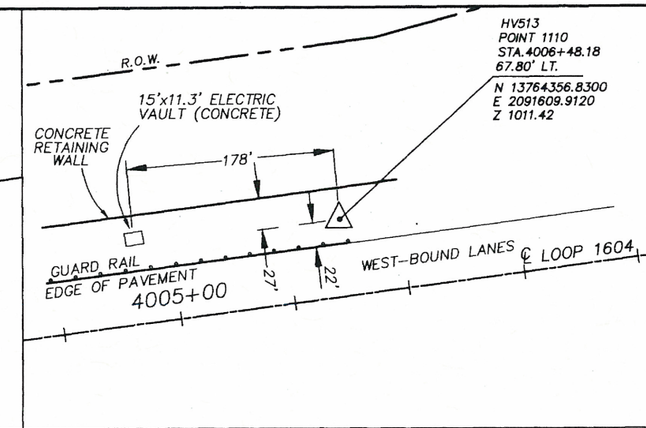
FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			32
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



CONTROL POINT NO. 1134 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.04 MILE EAST OF CHASE HILL BLVD.



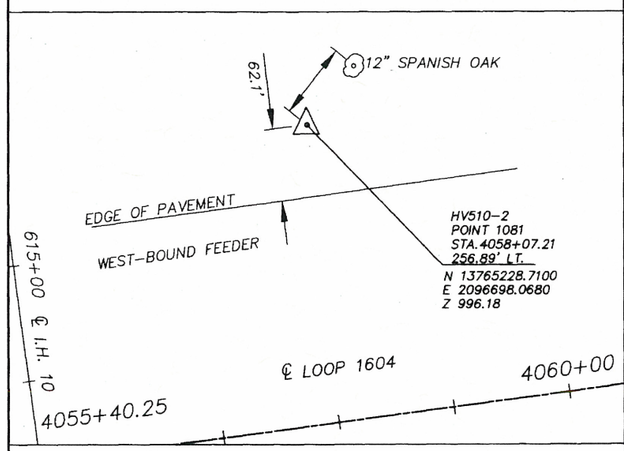
CONTROL POINT NO. 525 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.36 MILE EAST OF CHASE HILL BLVD.



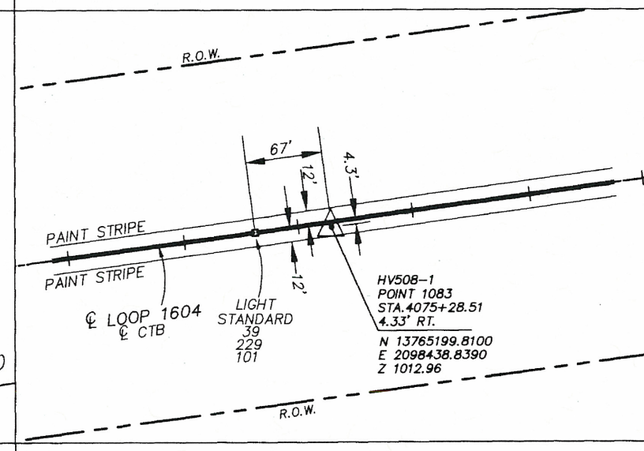
CONTROL POINT NO. 1110 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.93 MILE WEST OF INTERSTATE HIGHWAY 10.

NOTES:

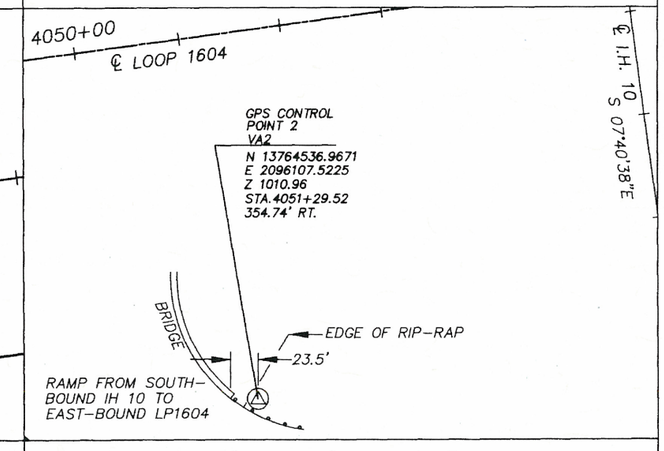
1. COORDINATES SHOWN ARE BASED ON NAD83/86 DATUM, TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, AS FURNISHED BT THE TEXAS DEPARTMENT OF PUBLIC TRANSPORTATION.
2. COORDINATES AND DISTANCES ARE SURFACE, USING A SURFACE ADJUSTMENT FACTOR OF 1.00017.
3. THE HORIZONTAL CONTROL WAS ESTABLISHED USING GPS METHODS.
4. ALL ELEVATIONS SHOWN ARE BASED ON NAVD88 DATUM.



CONTROL POINT NO. 1081 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.05 MILE EAST OF INTERSTATE HIGHWAY 10 AND 0.05 NORTH OF LP 1604



CONTROL POINT NO. 1083 – PK NAIL SET
LOCATED 0.38 MILE EAST OF INTERSTATE HIGHWAY 10

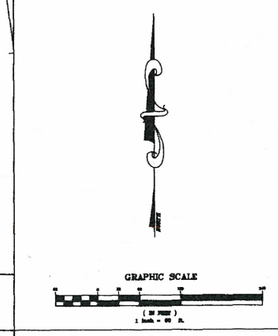


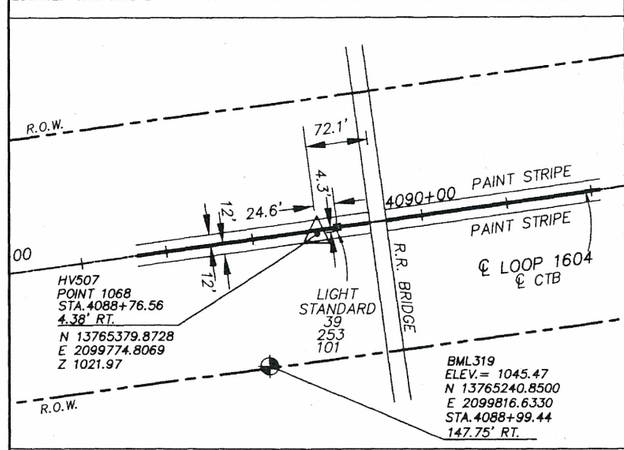
CONTROL POINT NO. 2 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.08 MILE WEST OF INTERSTATE HIGHWAY 10 AND 0.07 MILE SOUTH OF LP 1604

STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

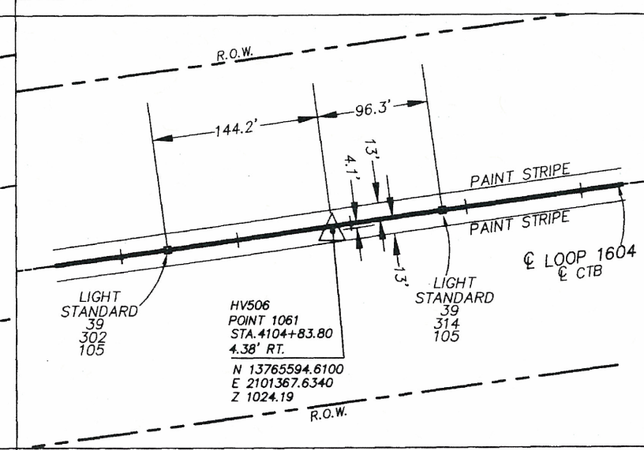
DATED THIS THE 14 DAY OF SEPT. 2004

HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.

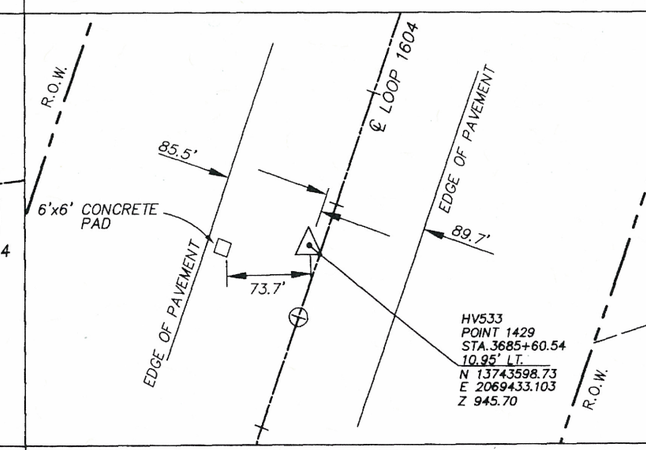




CONTROL POINT NO. 1078 – PK NAIL SET
LOCATED 0.64 MILE EAST OF INTERSTATE HIGHWAY 10



CONTROL POINT NO. 1061 – PK NAIL SET
LOCATED 0.94 MILE EAST OF INTERSTATE HIGHWAY 10 ON THE CENTERLINE OF LOOP 1604

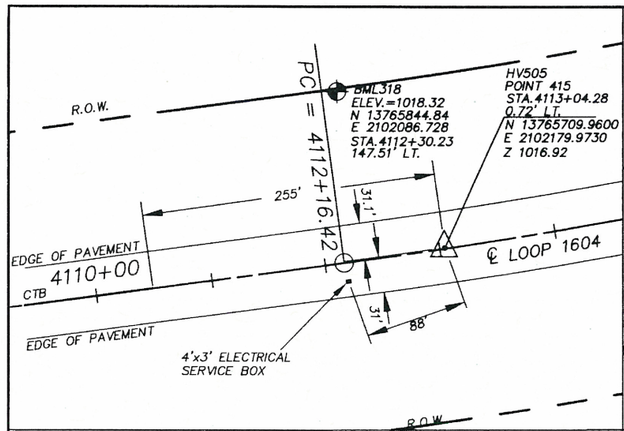


CONTROL POINT NO. 1429 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.28 MILE EAST OF BRAUN ROAD

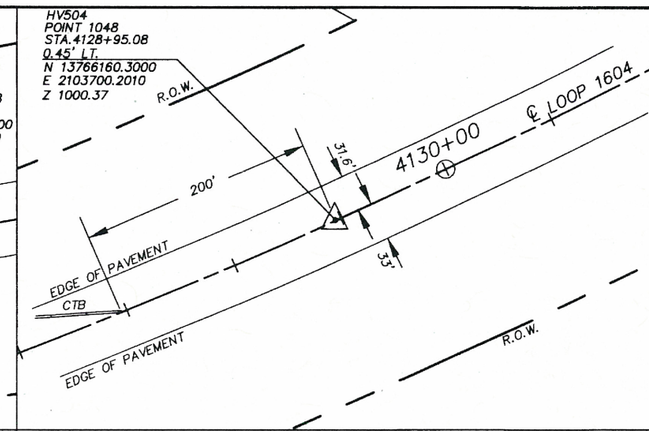
STATE LOOP 1604
HORIZONTAL CONTROL

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)340-3271

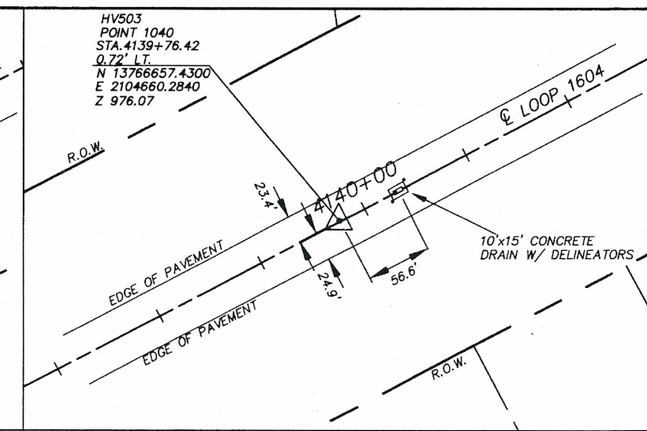
FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			33
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



CONTROL POINT NO. 415 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 1.09 MILE EAST OF INTERSTATE 10



CONTROL POINT NO. 1048 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 1.39 MILE EAST OF INTERSTATE 10



CONTROL POINT NO. 1040 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 1.60 MILE EAST OF INTERSTATE 10

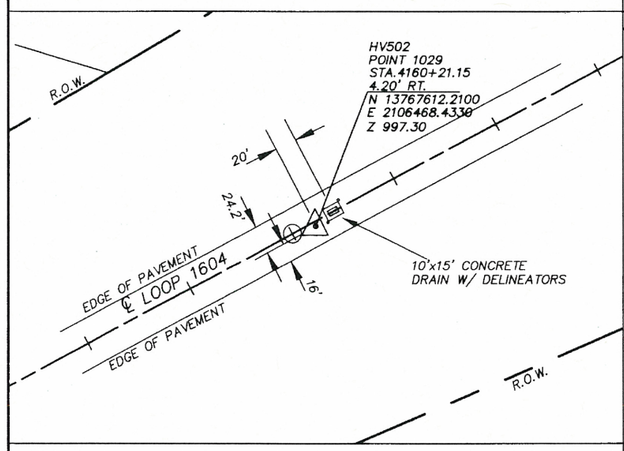
NOTES:

1. COORDINATES SHOWN ARE BASED ON NAD83/86 DATUM, TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, AS FURNISHED BT THE TEXAS DEPARTMENT OF PUBLIC TRANSPORTATION.
2. COORDINATES AND DISTANCES ARE SURFACE, USING A SURFACE ADJUSTMENT FACTOR OF 1.00017.
3. THE HORIZONTAL CONTROL WAS ESTABLISHED USING GPS METHODS.
4. ALL ELEVATIONS SHOWN ARE BASED ON NAVD88 DATUM.

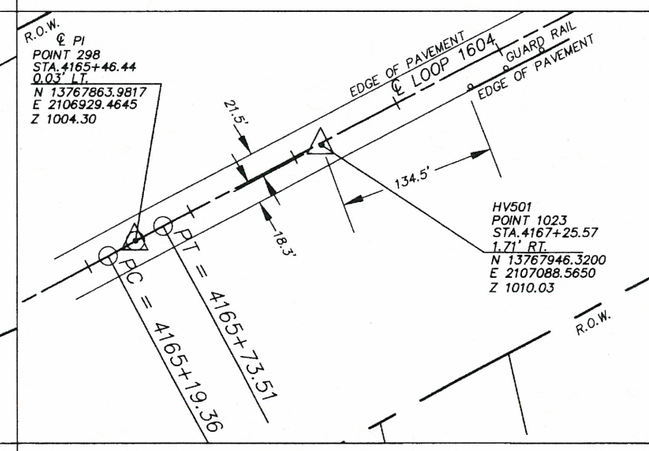
STATE OF TEXAS
REGISTERED
HAL B. LANE III
4690
PROFESSIONAL
LAND SURVEYOR

DATED THIS THE 4 DAY OF SEPT. 2004

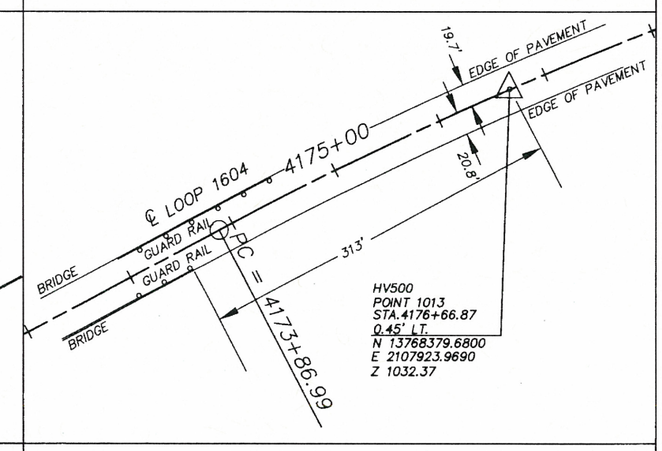
HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.



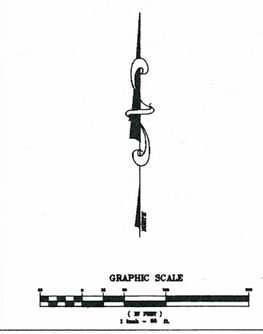
CONTROL POINT NO. 1029 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.22 MILE WEST OF N.W. MILITARY DR.

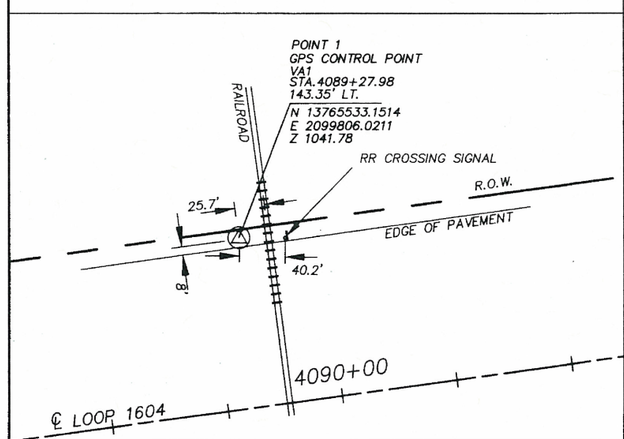


CONTROL POINT NO. 1023 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.09 MILE WEST OF N.W. MILITARY DR.

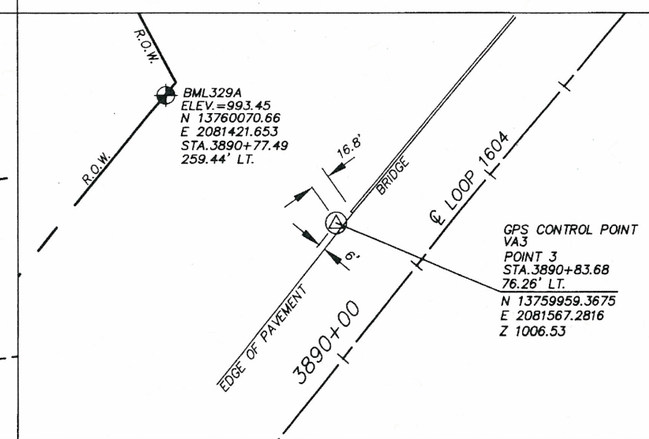


CONTROL POINT NO. 1013 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.09 MILE EAST OF N.W. MILITARY DR.

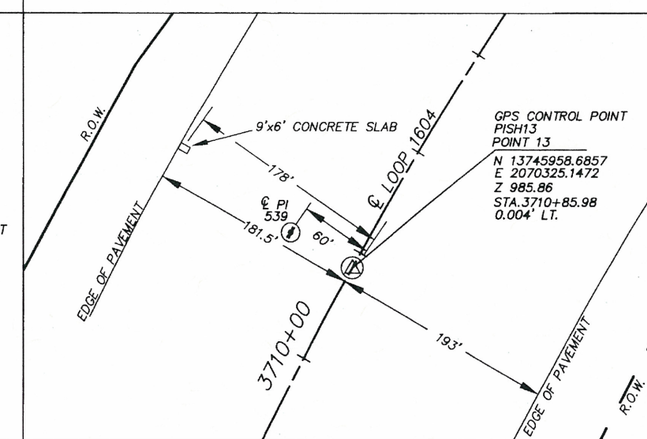




CONTROL POINT NO. 1 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.64 MILE EAST OF INTERSTATE 10



CONTROL POINT NO. 3 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.03 MILE WEST OF KYLE SEAL PARKWAY



CONTROL POINT NO. 13 – 1" SQUARE BAR
LOCATED 0.20 MILE EAST OF BRAUN ROAD

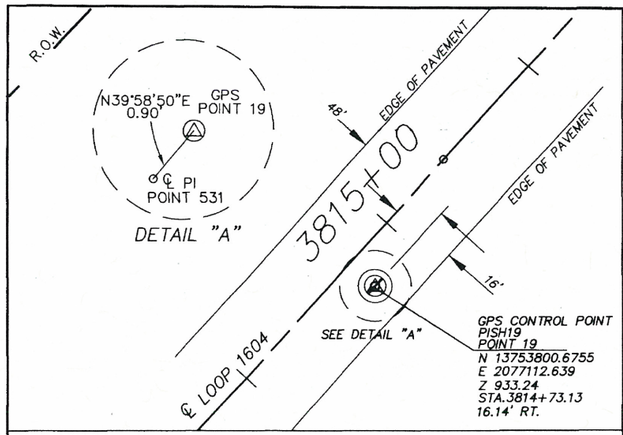
STATE LOOP 1604
HORIZONTAL CONTROL

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS

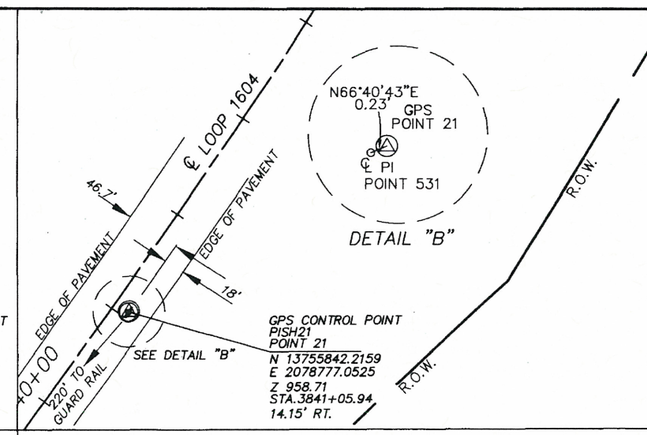
12940 Country Parkway, San Antonio, Texas 78216
Telephone: (210)340-3271

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			34
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604

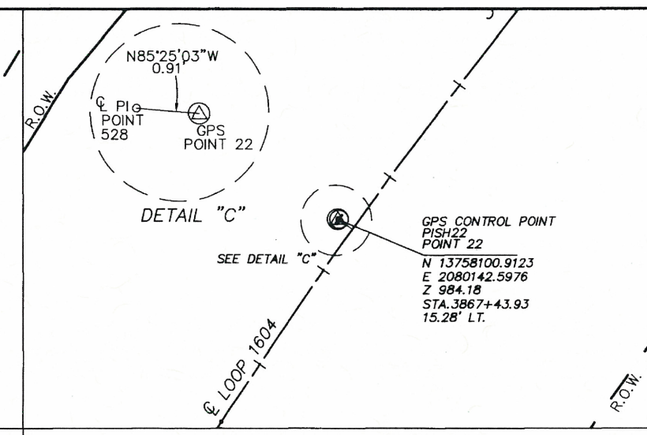
	CONT.	SECT.	JOB
R.O.W.	2452	02	063
CONSTRUCTION	CONT.	SECT.	JOB



CONTROL POINT NO. 19 – 1" SQUARE BAR
LOCATED 0.66 MILE WEST OF BANDERA ROAD



CONTROL POINT NO. 21 – 1" SQUARE BAR
LOCATED 0.33 MILE WEST OF HAUSMAN ROAD



CONTROL POINT NO. 22 – 1" SQUARE BAR
LOCATED 0.17 MILE EAST OF HAUSMAN ROAD

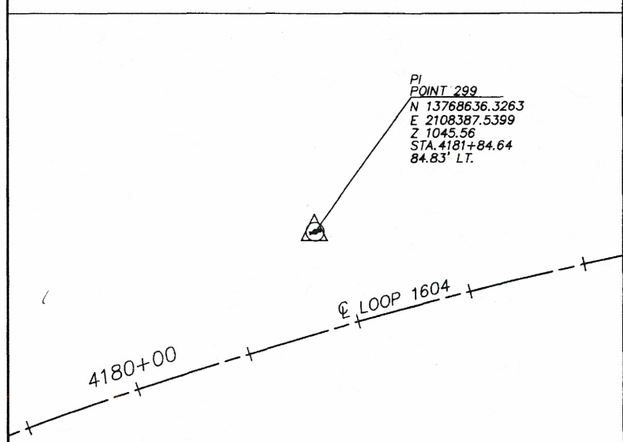
NOTES:

1. COORDINATES SHOWN ARE BASED ON NAD83/86 DATUM, TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, AS FURNISHED BT THE TEXAS DEPARTMENT OF PUBLIC TRANSPORTATION.
2. COORDINATES AND DISTANCES ARE SURFACE, USING A SURFACE ADJUSTMENT FACTOR OF 1.00017.
3. THE HORIZONTAL CONTROL WAS ESTABLISHED USING GPS METHODS.
4. ALL ELEVATIONS SHOWN ARE BASED ON NAVD88 DATUM.

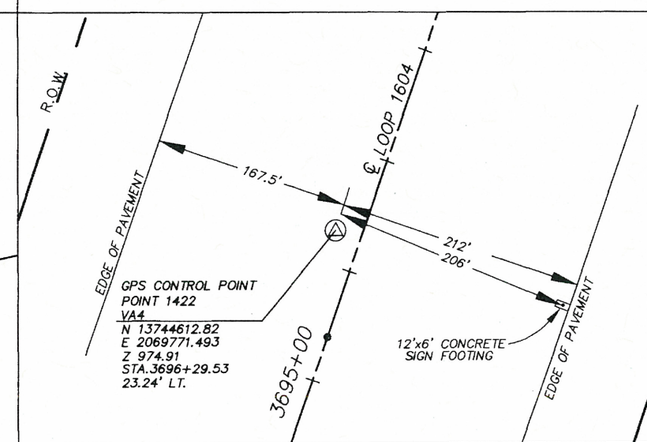
STATE OF TEXAS REGISTERED HAL B. LANE III 4690 PROFESSIONAL LAND SURVEYOR

DATED THIS THE 14 DAY OF SEPT. 2004

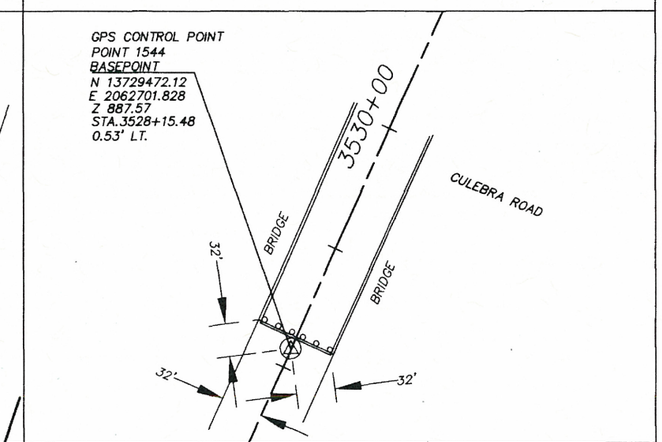
HAL B. LANE III, R.P.L.S.
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 4690
VICKREY & ASSOCIATES, INC.



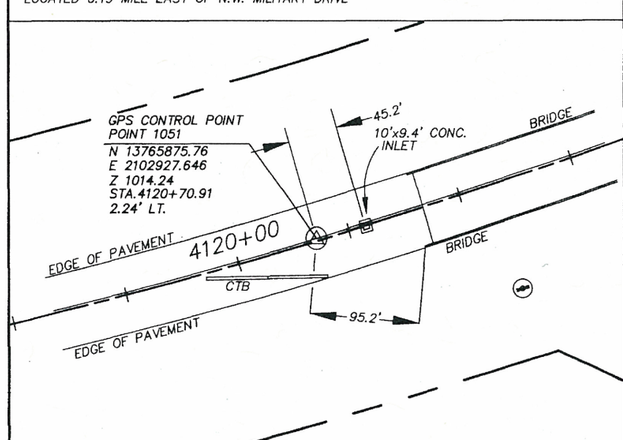
CONTROL POINT NO. 299 – 1" IRON SQUARE BAR SET (BY OTHERS)
LOCATED 0.19 MILE EAST OF N.W. MILITARY DRIVE



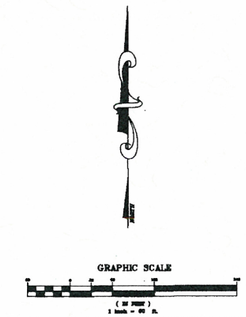
CONTROL POINT NO. 1422 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.08 MILE EAST OF BRAUN ROAD



CONTROL POINT NO. 1544 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 116 FEET SOUTH OF CULEBRA ROAD



CONTROL POINT NO. 1051 – 1/2" IRON ROD W/ VICKREY CAP SET
LOCATED 0.97 MILE WEST OF N.W. MILITARY DRIVE



STATE LOOP 1604
HORIZONTAL CONTROL

VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12840 Country Parkway, San Antonio, Texas 78216
Telephone: (210)546-3271

FED. ROAD DIV. NO.	PROJECT NO.		SHEET NO.
6			35
STATE	DIST.	COUNTY	HIGHWAY NO.
TEXAS	15	BEXAR	LP1604
R.O.W.	CONT.	SECT.	JOB
	2452	02	083
CONSTRUCTION	CONT.	SECT.	JOB