

SHEET 1 OF 4 SHEETS

RECORD OF SURVEY NO. 97-1012

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE, STATE OF CALIFORNIA.

BLOCK MODULE
5157 89
5158 92-96
5258 52, 56, 62, 63, 67,
73, 74, 77, 84, 87, 94 & 97
5358 04, 05, 07, 15, 16, 18, 26,
28, 36-39, 47-49, 59

BEING A SURVEY OF PORTIONS OF SECTIONS 22, 27, 28, AND 33, T. 6 S., R. 7 W. AND SECTION 4, T. 7 S., R. 7 W., S.B.M. AS SHOWN ON RECORD OF SURVEY NO. 90-1170, RECORDED IN BOOK 138 PAGES 33 THROUGH 45 OF RECORDS OF SURVEY, IN THE OFFICE OF THE COUNTY RECORDER OF SAID ORANGE COUNTY.

JAMES P. CRAWFORD, L.S. 4965



DATE OF SURVEY: JULY, 1996.

ACCEPTED AND FILED AT THE REQUEST OF SILVERADO CONTRACTORS
DATE April 14, 1998
TIME 9:41 AM FEE \$ 13.00
INSTRUMENT 1998020118 AS
BOOK 168 PAGE 29-32

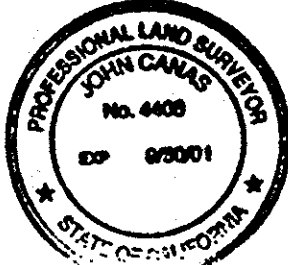
GARY L. GRANVILLE
COUNTY CLERK-RECORDER
BY: *[Signature]*
DEPUTY

GPS STATIC SURVEY

COUNTY SURVEYOR'S STATEMENT

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE LAND SURVEYOR'S ACT THIS 14 DAY OF APRIL, 1998.

[Signature]
JOHN CANAS, COUNTY SURVEYOR



SURVEYOR'S STATEMENT

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT AT THE REQUEST OF THE TRANSPORTATION CORRIDOR AGENCY IN JULY 1996.

[Signature]
JAMES R. CRAWFORD, L.S. 4965
REGISTRATION EXPIRES 12/31/2001

DATUM STATEMENT

COORDINATES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, (CCS83) ZONE VI 1983 (1988 O.C.S. GPS ADJUSTMENT). ALL COORDINATES AND DISTANCES SHOWN HEREON ARE GRID. TO OBTAIN GROUND DISTANCES, DIVIDE THE DISTANCES HEREON BY THE COMBINATION FACTOR OF .99991947.

BASIS OF BEARINGS AND COORDINATES

THE BEARINGS SHOWN HEREON ARE BASED UPON THE ORANGE COUNTY SURVEYOR'S 1988 ADJUSTMENT OF NAD83 (EPOCH 1988.0) CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, BASED LOCALLY UPON THE FOLLOWING HORIZONTAL CONTROL STATIONS AND COORDINATES FILED AND INDEXED IN THE ORANGE COUNTY SURVEYOR'S OFFICE AND HELD AS FIXED:

PT. NO.	STATION NAME	NORTHING	EASTING	LATITUDE D M S	LONGITUDE D M S	COMB. FACTOR
58	CHIQUITA NO. 1 1939	2,165,014.16	6,146,082.37	33 36 3.46462	117 36 53.47921	0.9999218
151	FC 151	2,172,978.50	6,152,390.42	33 37 23.06238	117 35 40.12128	0.9999190
152	FC 152	2,177,474.71	6,150,012.57	33 38 7.23661	117 36 8.92841	0.9999284
153	FC 153/SMC 006	2,176,164.43	6,153,887.22	33 37 54.76963	117 35 22.90599	0.9999177
338	4-1-33-67	2,169,015.89	6,143,527.34	33 36 42.71964	117 37 24.30722	0.9999370
464	FC 223	2,176,543.02	6,152,864.55	33 37 58.38458	117 35 35.05770	0.9999269
826	4-5-33-67	2,169,235.467	6,148,405.476	33 36 45.52378	117 36 26.66514	0.9999239
4397	4-3-9-77	2,158,508.45	6,144,504.76	33 34 58.90215	117 37 11.11885	0.9999272

HORIZONTAL COORDINATES FOR THE 'PRIMARY CONTROL NETWORK' STATIONS MEET THE FIRST ORDER ACCURACY CLASSIFICATION AS DEFINED BY THE F.G.C.S. IN 'GEOMETRIC GEODETIC ACCURACY STANDARDS AND SPECIFICATIONS FOR USING GPS RELATIVE POSITIONING TECHNIQUES', VERSION 5.0 MAY 11, 1988, REPRINTED WITH CORRECTIONS, AUGUST 1, 1989.

STATEMENT OF PURPOSE

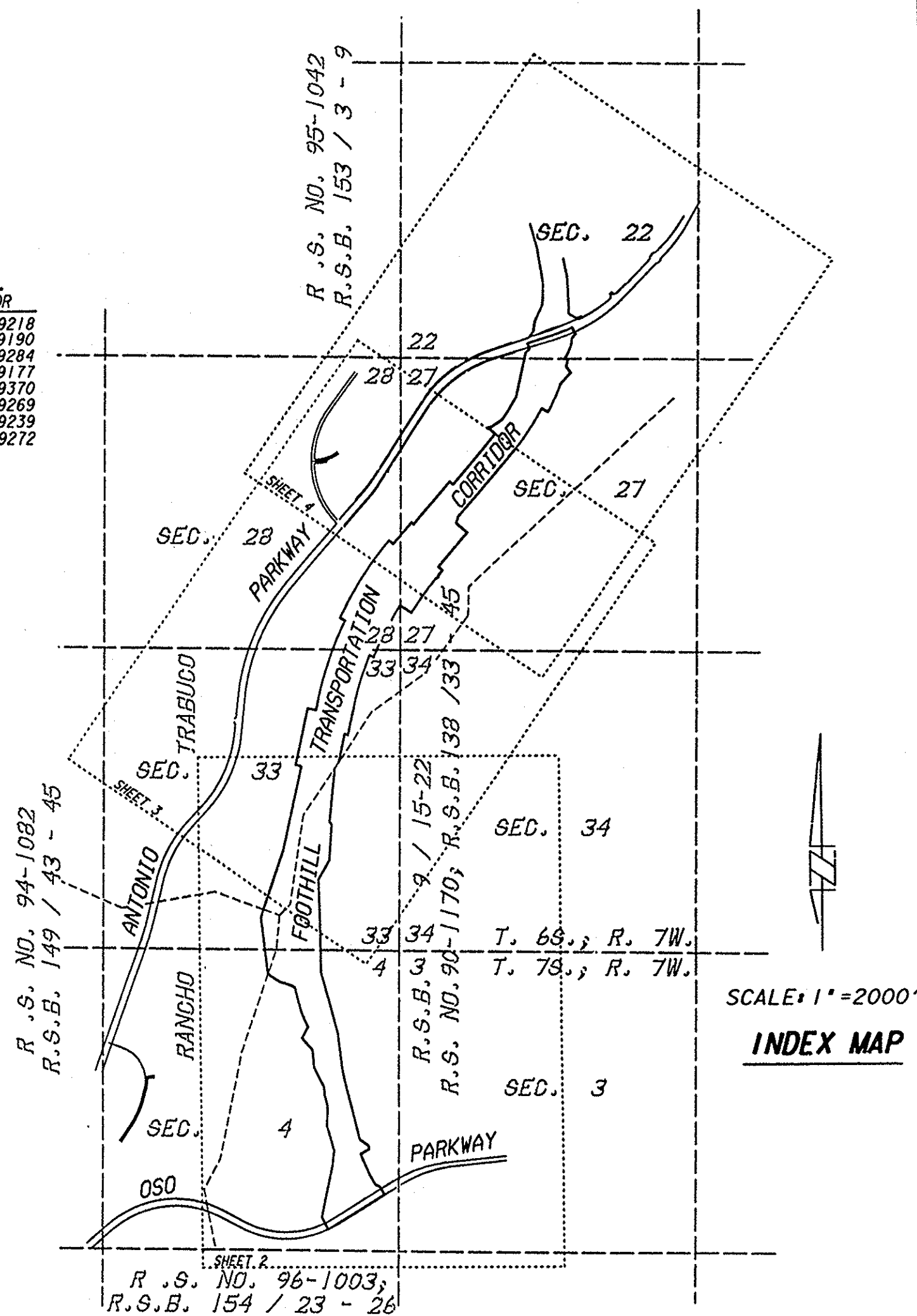
THE PURPOSE OF THIS SURVEY IS TO EXTEND THE 1988 OCS GPS ADJUSTMENT PRIMARY HORIZONTAL CONTROL NETWORK FOR THE FOOTHILL TRANSPORTATION CORRIDOR-OSO SEGMENT, CALIFORNIA STATE PLANE COORDINATE SYSTEM ZONE VI, INTO THE RANCHO SANTA MARGARITA VICINITY AND TO INCLUDE EXISTING ARTERIAL STREET MONUMENTATION WHICH IS CONSTRAINED TO FIRST ORDER NATIONAL GEODETIC CONTROL USING GLOBAL POSITIONING SURVEYING TECHNIQUES.

NOTES:

- GPS SURVEY ADJUSTED USING GEOLAB VERSION 2.0.
- PORTIONS OF THE CENTERLINES OF ANTONIO PARKWAY AND OSO PARKWAY ARE SHOWN FOR REFERENCE PURPOSES ONLY AND HAVE NOT BEEN RE-ESTABLISHED BY THIS SURVEY.

MONUMENT NOTES

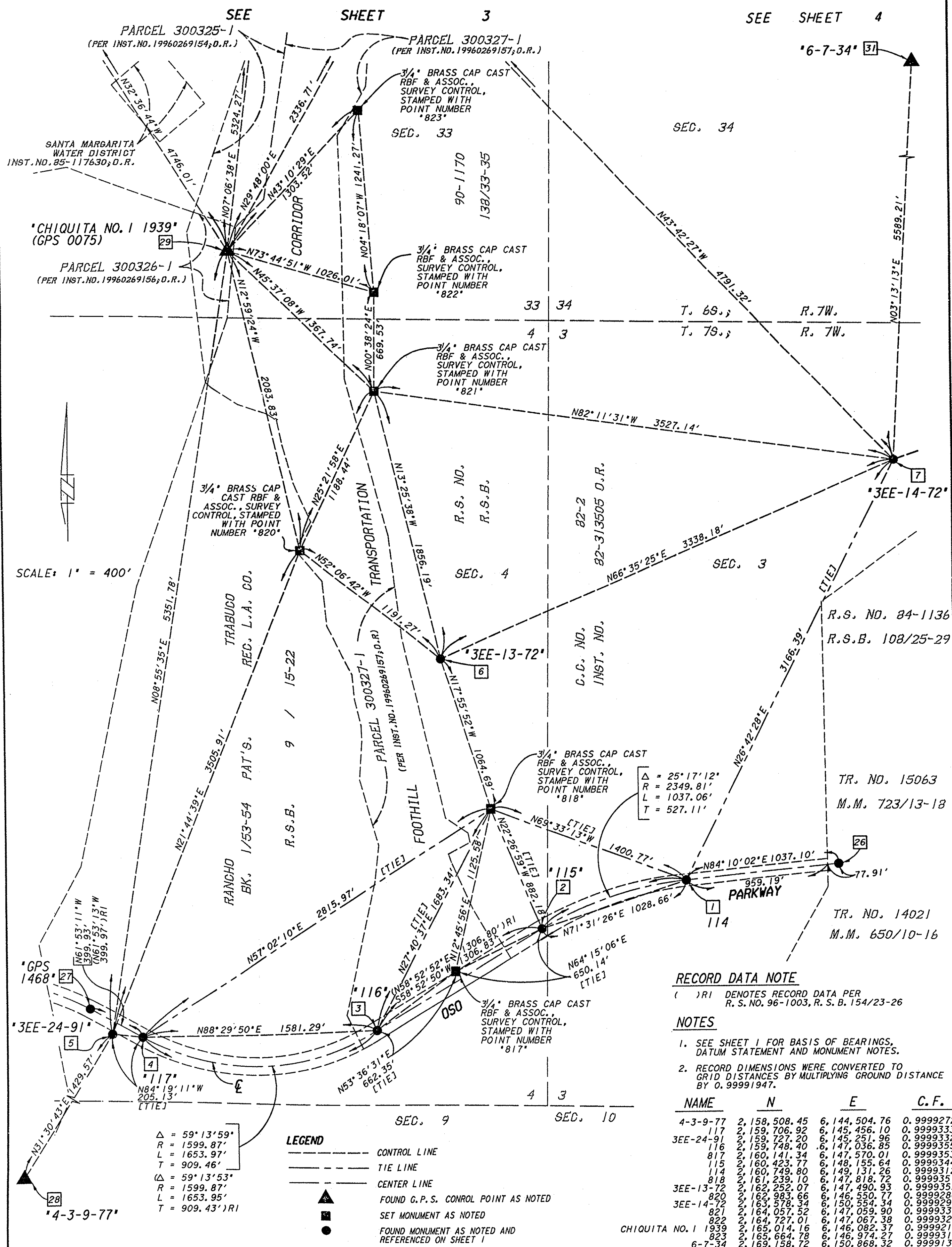
- SET MONUMENT AS NOTED
- ▲ INDICATES FOUND ORANGE COUNTY SURVEYOR'S G.P.S. MONUMENT AS NOTED
- DENOTES FOUND MONUMENT AS NOTED AND REFERENCED BELOW:
- [1] 2" BRASS CAP STAMPED 'LS 4965' DN. 1.2' IN WELL MONUMENT, PER R.S. NO. 96-1003, R.S.B. 154/23-26.
- [2] 2" BRASS CAP STAMPED 'LS 4965' DN. 1.2' IN WELL MONUMENT, PER R.S. NO. 96-1003, R.S.B. 154/23-26 S31°07'10"E 0.4' FROM RECORD POSITION.
- [3] 2" BRASS CAP STAMPED 'LS 4965' DN. 1.2' IN WELL MONUMENT, PER R.S. NO. 96-1003, R.S.B. 154/23-26
- [4] 2" BRASS CAP STAMPED 'LS 4965' DN. 1.2' IN WELL MONUMENT, PER R.S. NO. 96-1003 R.S.B. 154/23-26
- [5] 3/4" ALUM. DISK STAMPED 'OCS BM 3EE-24-91', FLUSH, PER OCS VERTICAL CONTROL BOOK, JULY 1995.
- [6] 3/4" ALUM. DISK STAMPED 'OCS BM 3EE-13-72', FLUSH, PER OCS VERTICAL CONTROL BOOK, JULY 1995.
- [7] 3/4" ALUM. DISK STAMPED 'OCS BM 3EE-14-72', FLUSH, PER OCS VERTICAL CONTROL BOOK, JULY 1995.
- [8] 3/4" ALUM. DISK STAMPED '4-3-33-67', PER OCS HORIZONTAL CONTROL STATION, PER R.S. NO. 90-1030, R.S.B. 129/15-18.
- [9] 2" BRASS CAP STAMPED 'ORANGE COUNTY SURVEYOR 4-5-33-67 RESET 1988', PER R.S. NO. 90-1030, R.S.B. 129/15-18.
- [10] 2" BRASS CAP STAMPED 'ORANGE COUNTY SURVEYOR 4-2-27-6-7 (1978)' PER, TRACT NO. 13442, M.M. 618/1-5.
- [11] SPIKE & WASHER STAMPED 'LS 4189', FLUSH, PER TRACT NO. 15047, M.M. 719/43-50.
- [12] 3/4" ALUM. DISK STAMPED 'OCS BM 311-4-77' UP 0.5', PER OCS VERTICAL CONTROL BOOK, JULY 1995.
- [13] NAIL & TAG 'LS 4189' IN BRIDGE DECK, FLUSH, PER TRACT NO. 15047, M.M. 719/43-50 S51°17'12"E 0.22' FROM RECORD POSITION.
- [14] 2" BRASS CAP STAMPED 'LS 3246' DN. 1.3' IN WELL MONUMENT, PER TRACT 13085 M.M. 619/1-9 S73°17'49"E 0.12' FROM RECORD POSITION.
- [15] SPIKE & WASHER STAMPED 'LS 3246', FLUSH, PER TRACT NO. 13203, M.M. 618/14-19.
- [16] 2" BRASS CAP STAMPED 'LS 4189' DN. 1.1' IN WELL MONUMENT (GPS 4535 1991.35 EPOCH), PER TRACT NO. 13234, M.M. 701/29-33.
- [17] 2" I.P. W/NAIL & TAG 'LS 4189' DN. 0.15', NO REF., ACC. AS POINT ON CENTERLINE ANTONIO PARKWAY.
- [18] 2" BRASS CAP STAMPED 'ORANGE COUNTY SURVEYOR 4-1-27-6-71 (1978)', PER OCS HORIZONTAL CONTROL RECORDS.
- [19] 2" BRASS CAP STAMPED 'LS 4189' DN. 1.4' IN WELL MONUMENT, NO REF., ACC. AS POINT ON CENTERLINE ANTONIO PARKWAY.
- [20] SPIKE & WASHER STAMPED 'LS 5557', FLUSH, NO REF., ACC. AS POINT ON CENTERLINE ANTONIO PARKWAY.



- [21] 2" BRASS CAP STAMPED 'LS 4189' DN. 1.5' IN WELL MONUMENT PER R.S. NO. 95-1042, R.S.B. 153/3-9. S44°19'97"W 0.07' FROM RECORD POSITION.
- [22] 1" I.P. W/TAG 4189, FLUSH, NO REF., ACC. AS B.C. CENTERLINE ANTONIO PARKWAY.
- [23] 2" BRASS CAP STAMPED 'LS 4189' DN. 1.5' IN WELL MONUMENT, PER R.S. NO. 95-1042, R.S.B. 153/3-9.
- [24] 2" BRASS CAP STAMPED 'FTC BM S-4' DN 0.2' IN CONCRETE, NO REF.
- [25] 3/4" ALUM. DISK IN C.B. STAMPED 'OCS BM 3W-63-90', FLUSH, PER OCS VERTICAL CONTROL BOOK, JULY 1995.
- [26] 2" I.P. W/TAG 'LS 4965' IN STD. OCS WELL MONUMENT, PER R.S. NO. 96-1003, R.S.B. 154/23-26.
- [27] SPIKE & WASHER STAMPED 'LS 5557', FLUSH, PER R.S. NO. 96-1003, R.S.B. 154/23-26.
- [28] 3/4" ALUM. DISK STAMPED '4-3-9-77 OCS MAR. 12-77' FLUSH, PER OCS HORIZONTAL CONTROL RECORDS.
- [29] 3/4" BRASS DISK STAMPED 'US&GS REF MARK CHIQUITA NO. 1 1939' IN 8" CONCRETE COLLAR, UP 0.5', PER R.S. NO. 90-1030, R.S.B. 129/15-18.
- [30] 3/4" ALUM. DISK STAMPED 'ORANGE COUNTY SURVEYOR 4-1-33-6-7', PER OCS HORIZONTAL CONTROL RECORDS.
- [31] 3/4" ALUM. DISK IN 9" CONCRETE COLLAR STAMPED 'ORANGE COUNTY SURVEYOR 6-7-34', UP 0.3', PER R.S. NO. 90-1030, R.S.B. 129/15-18.
- [32] 4" ALUM. DISK IN CONCRETE STAMPED 'WILLIAMSON & SCHMID-SMC 004-1984', FLUSH, NO REF.
- [33] 3/4" DISK IN 8" CONCRETE COLLAR STAMPED 'WILLIAMSON & SCHMID-DO NOT DISTURB-LS 3246-SMC 006-1984', UP 0.5', PER R.S. NO. 85-1016, R.S.B. 110/30-36.
- [34] 2" I.P. IN 6" CONCRETE COLLAR W/PK NAIL & WASHER STAMPED 'ORANGE COUNTY SURVEY-FC223', UP 0.5', PER OCS HORIZONTAL CONTROL RECORDS.
- [35] 2" BRASS DISK STAMPED 'LS 3246', DN. 1.2' IN OCS WELL MONUMENT, NO REF.

IN THE UNINCORPORATED TERRITORY OF THE COUNTY OF ORANGE, STATE OF CALIFORNIA.

DATE OF SURVEY: JULY, 1996.



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JAMES R. CRAWFORD, L.S. 4965

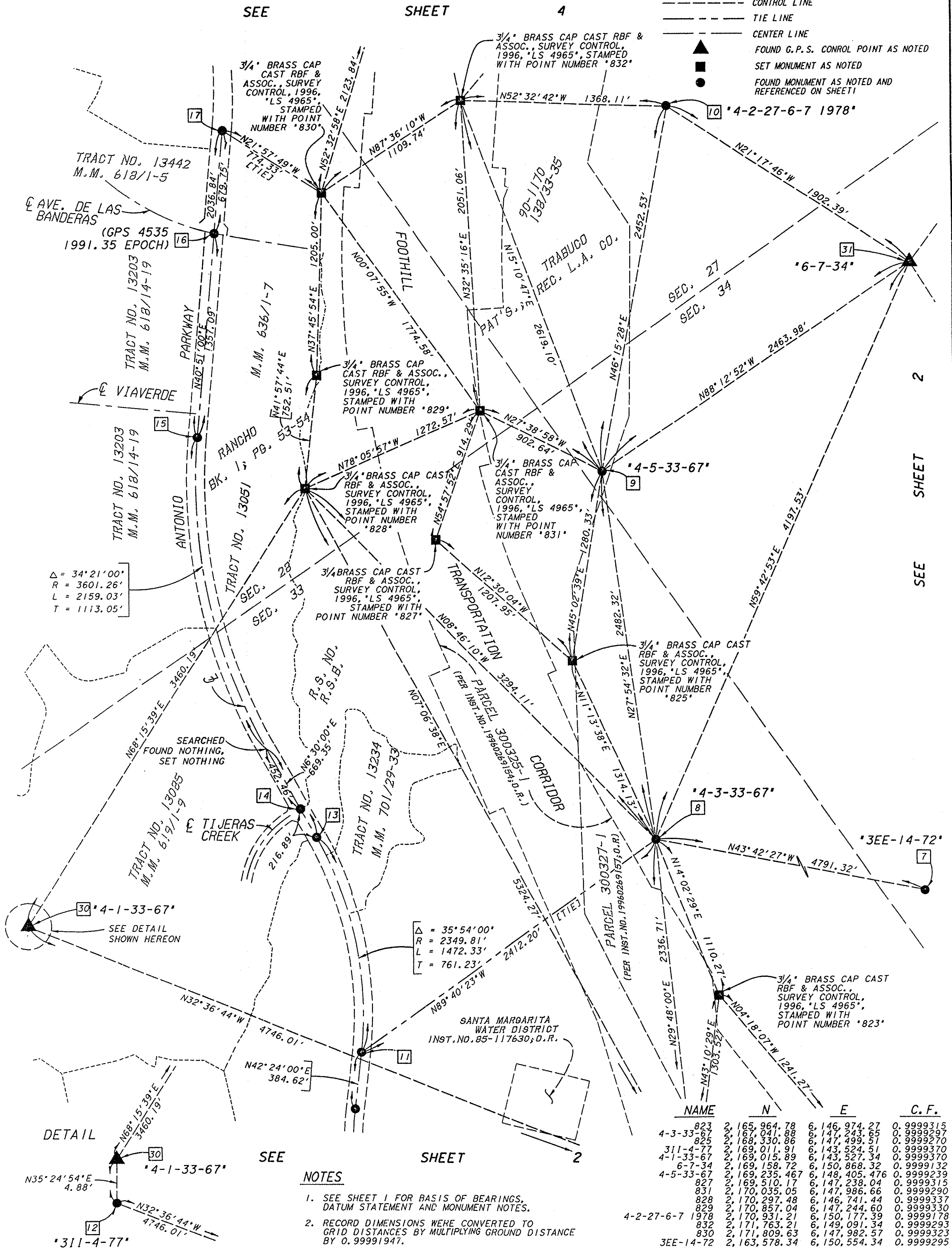


DATE OF SURVEY: JULY, 1996.

SCALE: 1" = 400'

LEGEND

- CONTROL LINE
- TIE LINE
- CENTER LINE
- ▲ FOUND G.P.S. CONTROL POINT AS NOTED
- SET MONUMENT AS NOTED
- FOUND MONUMENT AS NOTED AND REFERENCED ON SHEET 1



NOTES

1. SEE SHEET 1 FOR BASIS OF BEARINGS, DATUM STATEMENT AND MONUMENT NOTES.
2. RECORD DIMENSIONS WERE CONVERTED TO GRID DISTANCES BY MULTIPLYING GROUND DISTANCE BY 0.99991947.

NAME	N	E	C.F.
823	2,165,964.78	6,146,974.27	0.9999315
4-3-33-67	2,167,041.88	6,147,243.65	0.9999297
825	2,168,330.86	6,147,499.51	0.9999270
311-4-77	2,169,011.91	6,143,524.51	0.9999370
4-1-33-67	2,169,015.89	6,143,527.34	0.9999370
6-7-34	2,169,158.72	6,150,868.32	0.9999132
4-5-33-67	2,169,235.467	6,148,405.476	0.9999239
827	2,169,510.17	6,147,238.04	0.9999315
831	2,170,035.05	6,147,986.66	0.9999290
828	2,170,297.48	6,146,741.44	0.9999337
829	2,170,857.04	6,147,244.60	0.9999330
4-2-27-6-7 1978	2,170,931.21	6,150,177.39	0.9999178
832	2,171,763.21	6,149,091.34	0.9999293
830	2,171,809.63	6,147,982.57	0.9999323
3EE-14-72	2,163,578.34	6,150,554.34	0.9999295

SHEET 4 OF 4 SHEETS

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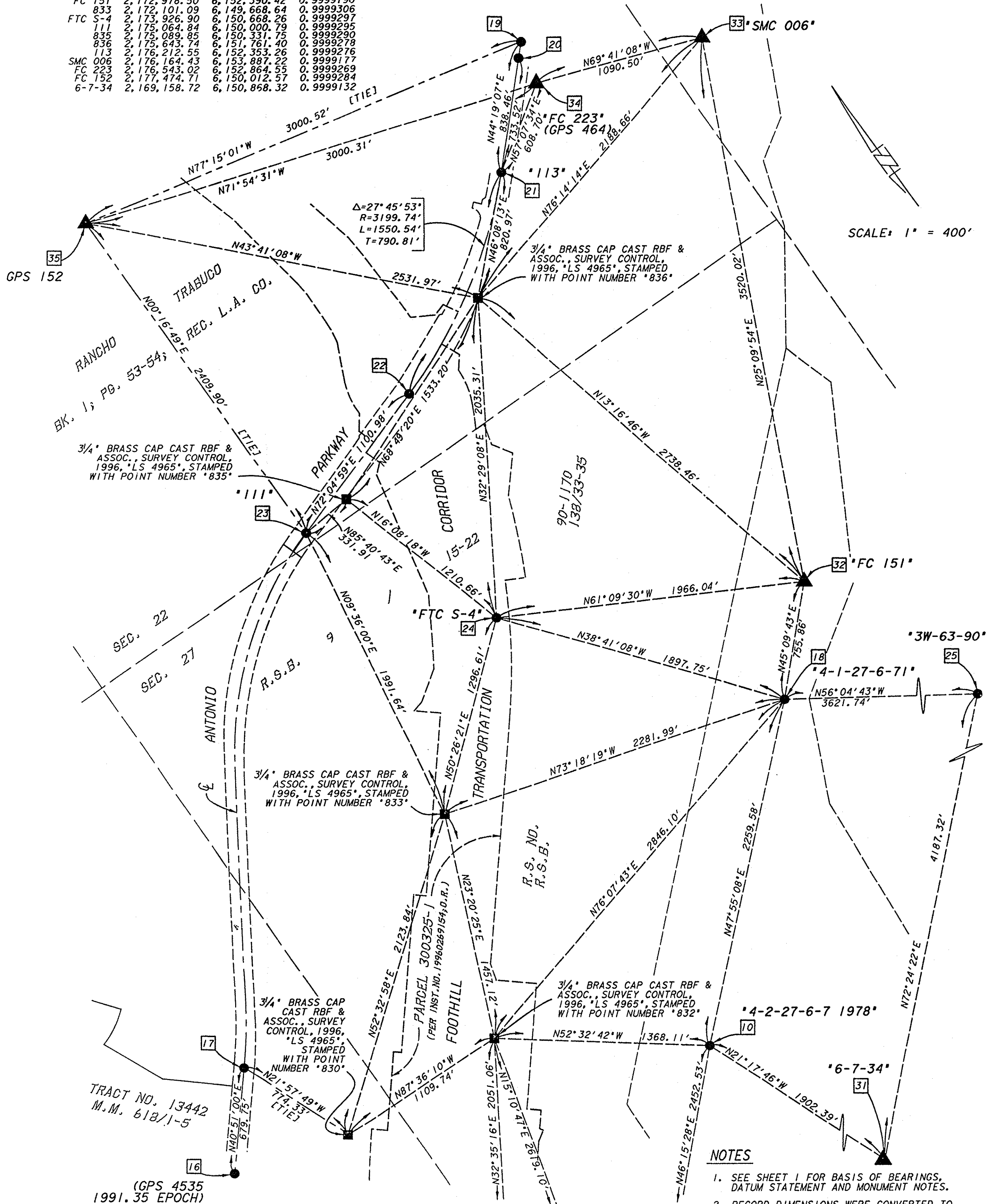


DATE OF SURVEY: JULY, 1996

LEGEND

- CONTROL LINE
- TIE LINE
- CENTER LINE
- ▲ FOUND G.P.S. CONTROL POINT AS NOTED
- SET MONUMENT AS NOTED
- FOUND MONUMENT AS NOTED AND REFERENCED ON SHEET 1

NAME	N	E	C.F.
3W-63-90	2,170,424.41	6,154,859.77	0.9999327
4-2-27-6-7 1978	2,170,931.21	6,150,177.39	0.9999178
832	2,171,763.21	6,149,091.34	0.9999293
830	2,171,809.63	6,147,982.57	0.9999323
4-1-27-6-71	2,172,442.54	6,151,854.44	0.9999206
FC 151	2,172,978.50	6,152,390.42	0.9999190
833	2,172,101.09	6,149,668.64	0.9999306
FTC S-4	2,173,926.90	6,150,668.26	0.9999297
111	2,175,064.84	6,150,000.79	0.9999295
835	2,175,089.85	6,150,331.75	0.9999290
836	2,175,643.74	6,151,761.40	0.9999278
113	2,176,212.55	6,152,353.26	0.9999276
SMC 006	2,176,164.43	6,153,887.22	0.9999177
FC 223	2,176,543.02	6,152,864.55	0.9999269
FC 152	2,177,474.71	6,150,012.57	0.9999284
6-7-34	2,169,158.72	6,150,858.32	0.9999132



SCALE: 1" = 400'

NOTES

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SEE

SHEET

3

168 32