

PHOTO ID AND MONUMENTATION

for

THE CITY OF CONROE

MONTGOMERY COUNTY, TEXAS

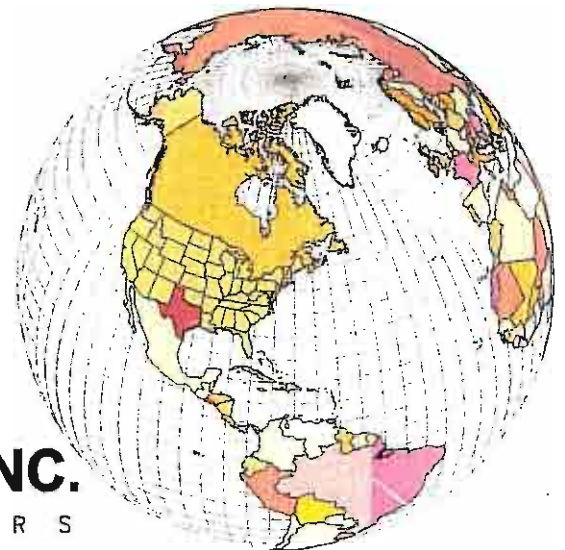
PHOTO ID
AND
MONUMENTATION

March - May, 1999

Prepared By:



CLARK-GEOGRAM INC.
L A N D S U R V E Y O R S



Dallas - Houston - San Antonio









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Section One
Project Location Map

-  45 NEW AZIMUTH MARKS
-  25 NEW MONUMENTS
-  10 CONTROL PANELS FOR AERIAL PHOTOGRAPHY
-  7 RE_SURVEYED EXISTING CITY BENCHMARKS
-  13 RE_SURVEYED EXISTING NGS BENCHMARKS
-  REPORTED AS UN-RECOVERABLE
-  STREET CENTER LINE
-  PROJECT AREA

LOCATION OF MONUMENTATION
 CITY OF CONROE
 MONTGOMERY COUNTY, TEXAS



Section Two
Surveyor's Report



SURVEYOR'S REPORT

I. Paneling for Aerial Photography

The project was initiated with the placement of eleven (11) panels (targets) centered over iron rods driven into the ground at just below natural grade level at locations around the City of Conroe as selected by the client which were suitable for both GPS and aerial observations. A total of nineteen (19) existing National Geodetic Survey (NGS) benchmarks and horizontal and vertical control points were also paneled prior to the March 1, 1999 flight. During the flight, two of the existing horizontal and vertical control points (CI-3 and CI-5) were each occupied with an Ashtech Model Z-XII dual frequency GPS receiver gathering satellite data simultaneously with an identical Ashtech receiver in the aircraft. Following the flight, the resulting raw data was downloaded from the ground receivers and provided to the client for processing and adjustment.

II. Monumentation of New Horizontal and Vertical Control Points and Azimuth Marks

A total of twenty-five (24) areas were selected by the City of Conroe as desired locations for the placement of new ground control monument pairs with each site containing a primary horizontal and vertical control point and an azimuth mark visible from the primary control point. Each of the desired areas was scouted and evaluated as to its suitability for GPS observations. A pair of brass disks were set in concrete approximately ¼-mile apart (where possible) at each of the selected locations. All of the disks were stamped "CONROE 99" with a center punchhole and the monument designation. The primary control points were designated "CC-1" through "CC-24" and the corresponding azimuth marks as "CC-1 AZ" through "CC-24 AZ". In addition, a similar azimuth monument was set for each of the existing NGS benchmarks and horizontal and vertical control points mentioned above. Reference disks were placed in concrete for four (4) of the NGS benchmarks (N 555, P 88, S 1203 and X 1149) due to their unsuitability for GPS occupation and were stamped "N 555 REF", etc. The azimuth marks for these four points were set so as to be visible from the reference point and were stamped "N 555 REF AZ", etc. An iron rod was placed in the concrete beneath each of the new monuments to aid in its recovery with the aid of a conventional surveyor's metal detector. A recovery sketch was prepared for all of the new monuments with distance ties to identifiable ground features and digital photographs were taken of all new and existing monuments to aid in future recovery.

III. GPS Observations

All new and existing primary control points, NGS benchmarks or their applicable reference marks and the 11 aerial flight panel points were occupied using five (5) dual-frequency Ashtech GPS receivers operating simultaneously for a minimum two (2) hour static data gathering session. Due to the absence of existing control in the north and northeast portions of the project, two initial 3-hour static sessions were performed for the purpose of transferring primary control into these areas. A minimum of four (4) points were held fixed horizontally and vertically as the basis for these 3-hour sessions. Thereafter, the five receivers collected data in minimum 2-hour sessions in traverse mode. At least one control point with known (fixed) horizontal and vertical

III. GPS Observations (cont.)

coordinates was occupied with a GPS receiver for the first and last static session of each day thus providing a daily check of data integrity. The raw GPS data was downloaded to a PC following each days static sessions and processed to verify the quality of the data. Following the last days sessions and processing, the resulting post-processing output for all sessions was utilized to perform a simultaneous least squares adjustment of the entire network. This produces a consistent and homogenous data set and eliminates distortions created by "piece-meal" adjustments. Ashtech's least squares adjustment software package (Fillnet) was used to derive adjusted x, y and z values for each primary control point. The following control points were held fixed for the purpose of obtaining the adjusted least squares coordinates:

Held in Northing, Easting and Elevation

Elevation Only

CI-1, CI-2, CI-3, CI-4, CI-5, CI-6 and CI-7

S 1203 REF*
P 88 REF*
Q 88*
X 1149 REF*
L 1149*
K 1149*
K 88*
R 555*
N 88*
CONROE RM 1*

* Indicates NGS Benchmark or reference mark

Initially, the City of Conroe provided coordinates and recovery information for seven (7) existing city control monuments (CI-1 through CI-7) to serve as primary control points with fixed horizontal and vertical values and a total of thirteen (13) NGS benchmarks to hold fixed in elevation to further augment and strengthen the vertical component of the network. However, in analyzing the initial accuracy reports provided by the Ashtech Fillnet package, it was apparent that the published values for three (3) of the NGS benchmarks were inconsistent with the remainder of the network. One of these, U 312, was listed by NGS as a second order mark rather than first order. The remaining two, L 88 and N 555, unlike the remaining ten benchmarks, were not a part of the June, 1991 NGS releveling. Therefore, in the final network adjustment, these 3 monuments were allowed to "float" rather than being held as fixed, and new elevations were derived which differ from the NGS published values. This provided excellent network results and eliminated undesirable distortions that would have been created by interjecting suspect elevations for these points.

IV. RTK (GPS) Observations for Azimuth Marks

Holding the static session GPS obtained coordinates for the primary control points fixed, two (2) Ashtech RTK (Real Time Kinematic) GPS systems were used to localize on a minimum of three

IV. RTK (GPS) Observations for Azimuth Marks (Cont.)

(3) known primary control points to obtain horizontal positions for the azimuth marks thus providing a grid azimuth between each primary control point and its corresponding azimuth mark.

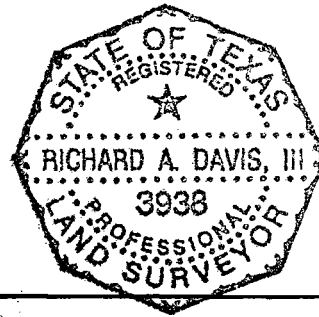
V. Datums

All horizontal coordinates were referenced to the Noth American Datum of 1983/86 (NAD83) and are provided in the Texas State Plane System, Central Zone. To convert the state plane grid coordinates to surface values compatible with surface coordinates utilized by the Texas Department of Transportation (TxDOT) in Montgomery County, multiply the grid value by a project scale factor of 1.00003 which is the factor used by TxDOT. Elevations are referenced to the North American Vertical Datum of 1988 (NAVD88) adjusted to the June, 1991 releveing performed by NGS.

I, Richard A. Davis, III, Registered Professional Land Surveyor No. 3938, do hereby certify that the information contained herein correctly represents the results of an on-the-ground GPS survey performed under my direct supervision.

Richard A. Davis, III
Richard A. Davis, III

5/12/99
Date



Section Three

Tabulation of GPS Coordinates

STATION NAME	GRID		ELEVATION	BEARING TO AZIMUTH MARK
	NORTHING	EASTING		
CI-01	10,100,863.790	3,825,661.030	146.95	S78°12'09"E
CI-01_AZ	10,100,572.69	3,827,054.78	141.2	
CI-02	10,100,209.360	3,828,804.080	141.42	S69°56'44"E
CI-02_AZ	10,099,554.50	3,830,597.99	150.9	
CI-03	10,117,069.140	3,818,377.130	221.19	S61°31'12"E
CI-03_AZ	10,116,385.74	3,819,636.85	195.3	
CI-04	10,119,276.660	3,815,482.820	221.89	N53°02'22"W
CI-04_AZ	10,120,392.71	3,813,999.65	158.1	
CI-05	10,114,018.840	3,852,555.720	206.66	N25°03'45"W
CI-05_AZ	10,115,504.05	3,851,861.18	208.8	
CI-06	10,110,567.970	3,853,312.020	202.42	S17°19'21"W
CI-06_AZ	10,109,318.48	3,852,922.31	200.0	
CI-07	10,095,990.510	3,823,779.890	134.13	N41°32'14"W
CI-07_AZ	10,096,396.09	3,823,420.60	134.4	
S-1203_REF	10,120,651.636	3,834,195.716	230.10	S88°17'37"E
S-1203_REF_AZ	10,120,629.09	3,834,952.54	242.3	
P-88_REF	10,097,808.720	3,835,619.779	141.89	S01°54'55"E
P-88_REF_AZ	10,096,481.82	3,835,664.15	132.0	
Q-88	10,093,010.792	3,835,925.543	130.16	N00°38'23"E
Q-88_AZ	10,094,040.78	3,835,937.04	131.5	
L-88	10,112,046.565	3,835,031.909	219.69	S11°47'32"E
L-88_AZ	10,111,302.39	3,835,187.27	222.7	
X-1149_REF	10,114,485.401	3,835,074.897	216.90	S01°55'59"E
X-1149_REF_AZ	10,113,391.56	3,835,111.82	208.3	
N-555_REF	10,115,509.517	3,839,567.470	200.98	N39°00'34"E
N-555_REF_AZ	10,116,837.03	3,840,642.83	202.8	
CONROE_RM1	10,111,002.607	3,834,123.044	209.22	S00°24'23"W
RM-1_AZ	10,109,487.53	3,834,112.30	211.6	
L-1149	10,102,718.887	3,835,532.591	167.80	S11°36'19"W
L-1149_AZ	10,101,947.69	3,835,374.21	171.1	
K-1149	10,106,777.048	3,835,301.678	200.13	S01°57'01"W
K-1149_AZ	10,105,515.42	3,835,258.71	186.3	
K-88	10,119,401.337	3,834,572.032	232.13	N54°15'59"W
K-88_AZ	10,119,811.54	3,834,001.88	241.1	
R-555	10,126,091.154	3,845,273.551	244.29	S83°16'46"W
R555_AZ	10,125,932.84	3,843,930.03	252.8	
U-312	10,114,094.203	3,844,739.942	198.80	N82°03'37"E
U-312_AZ	10,114,266.68	3,845,976.61	209.2	
N-88	10,109,553.771	3,834,883.525	211.78	N35°12'49"W
N-88_AZ	10,110,099.26	3,834,498.53	211.3	
CC-01	10,139,769.824	3,827,594.381	309.58	S12°00'17"W
CC-01_AZ	10,138,348.98	3,827,292.25	296.9	
CC-02	10,132,800.510	3,826,832.821	278.60	N15°58'35"W
CC-02_AZ	10,134,283.57	3,826,408.22	289.8	
CC-03	10,130,223.213	3,825,946.998	271.72	N74°00'25"W
CC-03_AZ	10,130,605.06	3,824,614.74	284.2	
CC-04	10,128,369.194	3,828,409.944	284.24	S75°06'15"E

CC-04_AZ	10,128,202.03	3,829,038.40	279.7	
CC-05	10,124,751.345	3,825,469.389	276.16	S73°52'14"E
CC-05_AZ	10,124,407.51	3,826,658.33	276.2	
CC-06	10,123,409.762	3,814,504.291	246.80	N28°49'25"E
CC-06_AZ	10,123,858.04	3,814,750.98	250.2	
CC-07	10,121,063.380	3,810,569.433	157.09	S86°52'29"W
CC-07_AZ	10,120,968.53	3,808,832.35	156.1	
CC-08	10,111,212.711	3,817,414.363	138.01	N88°51'13"W
CC-08_AZ	10,111,247.89	3,815,656.65	140.6	
CC-09	10,113,916.050	3,825,303.434	237.09	S70°03'43"E
CC-09_AZ	10,113,442.73	3,826,608.26	237.7	
CC-10	10,117,961.462	3,826,525.706	231.66	S71°36'53"W
CC-10_AZ	10,117,465.13	3,825,032.40	201.7	
CC-11	10,124,797.491	3,832,099.395	240.38	S84°48'16"E
CC-11_AZ	10,124,646.05	3,833,764.86	228.2	
CC-12	10,124,197.008	3,841,095.053	229.42	S45°40'34"E
CC-12_AZ	10,122,794.67	3,842,530.89	226.1	
CC-13	10,119,648.297	3,844,226.078	244.55	S31°54'55"E
CC-13_AZ	10,118,609.40	3,844,873.12	235.2	
CC-14	10,110,962.594	3,851,311.502	217.15	N51°08'21"W
CC-14_AZ	10,111,958.45	3,850,075.59	217.1	
CC-15	10,112,114.436	3,838,528.530	186.91	S83°12'33"W
CC-15_AZ	10,111,928.22	3,836,964.75	203.7	
CC-16	10,107,946.699	3,837,913.065	189.43	N74°04'27"E
CC-16_AZ	10,108,251.54	3,838,981.40	189.3	
CC-17	10,107,891.822	3,842,756.697	175.19	S74°30'16"W
CC-17_AZ	10,107,504.15	3,841,358.36	166.8	
CC-18	10,104,410.854	3,849,959.392	192.12	N58°33'18"E
CC-18_AZ	10,105,192.01	3,851,236.87	195.8	
CC-19	10,103,421.016	3,846,848.128	163.74	N68°26'33"E
CC-19_AZ	10,103,935.01	3,848,149.15	182.4	
CC-20	10,100,975.868	3,839,104.265	172.02	S78°22'56"E
CC-20_AZ	10,100,700.60	3,840,443.14	153.2	
CC-21	10,099,086.215	3,834,640.048	159.47	S76°11'08"W
CC-21_AZ	10,098,812.75	3,833,527.91	160.0	
CC-22	10,107,228.330	3,826,531.126	168.81	N17°16'48"W
CC-22_AZ	10,108,549.71	3,826,120.07	176.3	
CC-23	10,107,059.386	3,818,319.561	141.60	S15°10'14"E
CC-23_AZ	10,105,615.79	3,818,710.98	138.7	
CC-24	10,112,770.668	3,829,997.354	181.10	N20°23'44"W
CC-24_AZ	10,114,424.08	3,829,382.60	191.0	
SJRA-1	10,128,730.641	3,805,595.742	212.83	S61°09'43"W
SJRA-1_AZ	10,128,016.73	3,804,299.17	211.9	

NOTES: 1. COORDINATES ARE SHOWN IN U.S. SURVEY FEET.

**2. NORTHINGS AND EASTINGS ARE TEXAS STATE PLANE GRID,
CENTRAL ZONE, REFERENCE TO NAD83/86 DATUM.**

3. ELEVATIONS ARE NAVD88/1991 ADJUSTMENT.

4. COORDINATES FOR CC-14 REVISED 6/29/99

CONROE PANEL POINTS FOR AERIAL PHOTOGRAPHY

 Original Coordinates on NAD 83 Geographic Coordinates
 Translated Coordinates on NAD 83 State Plane Zone 4203,U.S. FOOT

NAME	INPUT	OUTPUT
PP-1	30 24 43.83593 N 095 29 22.25828 W	10146879.74565 N 3822960.87719 E
Convergence		02 29 41.46376
Scale Factor		0.999934247
Panel Elevation		370.7 Feet
PP-2	30 23 30.06139 N 095 24 49.39493 W	10140482.15719 N 3847159.46715 E
Convergence		02 32 02.00445
Scale Factor		0.999937958
Panel Elevation		300.7 Feet
PP-3	30 20 12.03318 N 095 23 24.36212 W	10120826.24884 N 3855487.96262 E
Convergence		02 32 45.80136
Scale Factor		0.999948547
Panel Elevation		215.3 Feet
PP-4	30 16 38.25376 N 095 23 19.69666 W	10099268.74082 N 3856856.03235 E
Convergence		02 32 48.20434
Scale Factor		0.999961000
Panel Elevation		178.4 Feet
PP-5	30 15 10.35814 N 095 24 48.50385 W	10090052.63080 N 3849469.38318 E
Convergence		02 32 02.46341
Scale Factor		0.999966428
Panel Elevation		161.3 Feet
PP-6	30 15 04.20509 N 095 27 03.82235 W	10088908.89924 N 3837640.02112 E
Convergence		02 30 52.76641
Scale Factor		0.999966815
Panel Elevation		129.8 Feet
PP-7	30 14 44.86565 N 095 29 51.89578 W	10086313.29732 N 3822997.78887 E
Convergence		02 29 26.19870
Scale Factor		0.999968036
Panel Elevation		169.6 Feet
PP-9	30 17 31.96901 N 095 32 21.79340 W	10102610.34353 N 3809135.03114 E
Convergence		02 28 08.99260
Scale Factor		0.999957771
Panel Elevation		189.6 Feet

Section Four

GPS Control Point Reference

Sketches/Photos



CLARK-GEOGRAM INC.

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MONUMENT NO. Typical Control Point Stamping

PHOTO DATE: 6/23/99



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CI-1 Control Point

PHOTO DATE: 3/17/99

DESCRIPTION: Looking east along S. Loop 336 across Alligator Creek toward Old Magnolia Road.



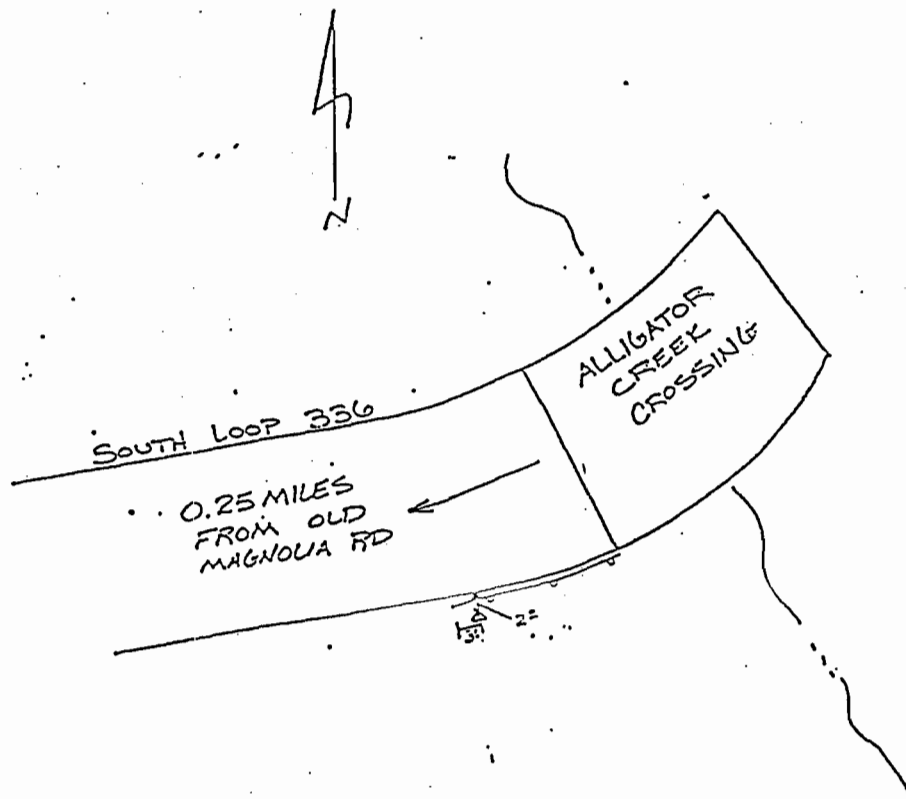
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November 20, 1996

Monument CI #1

Aluminum Disc set in concrete. To reach as follows: From the intersection of Loop 336(south) and Old Magnolia Rd. Proceed in a North westerly direction along the Loop for 0.25 miles. To the Southwest corner of a bridge crossing Alligator Creek. The Monument is 2' south of edge of concrete $\pm 3'$ east of end of metal guardrail $\pm 0.30'$ below surface ground.



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L A N D S U R V E Y O R S

MONUMENT NO. CI-1 Azimuth

PHOTO DATE: 3/17/99

DESCRIPTION: Looking west along S. Loop 336 across Old Magnolia Road.



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trees

edge of concrete

SOUTH LOOP 336

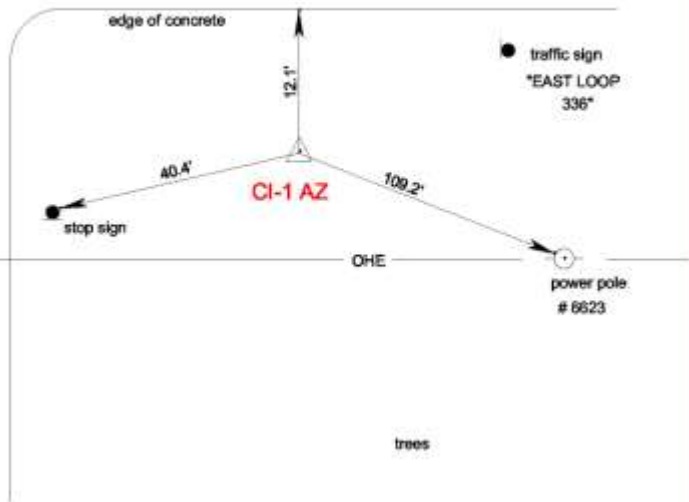
(3-LANES CONCRETE W/CONCRETE SHOULDERS)



2101 SOUTH LOOP 336
MCCA HEART
CENTER BLDG.
2-story brick

OHE

OLD MAGNOLIA ROAD
(ASPHALT)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CI-1 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10100572.69		E = 3827054.78	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 141.2'			
Description: SET BRASS DISK IN CONCRETE AT SOUTHEAST CORNER			
OF INTERSECTION OF SOUTH LOOP 336 W/OLD MAGNOLIA ROAD.			
File: CI-1_AZ.DGN	Date: 5/05/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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L A N D S U R V E Y O R S

MONUMENT NO. CI-2 Control Point

PHOTO DATE: 3/17/99

DESCRIPTION: Looking east along S. Loop 336 toward Grand Lake Creek Bridge.



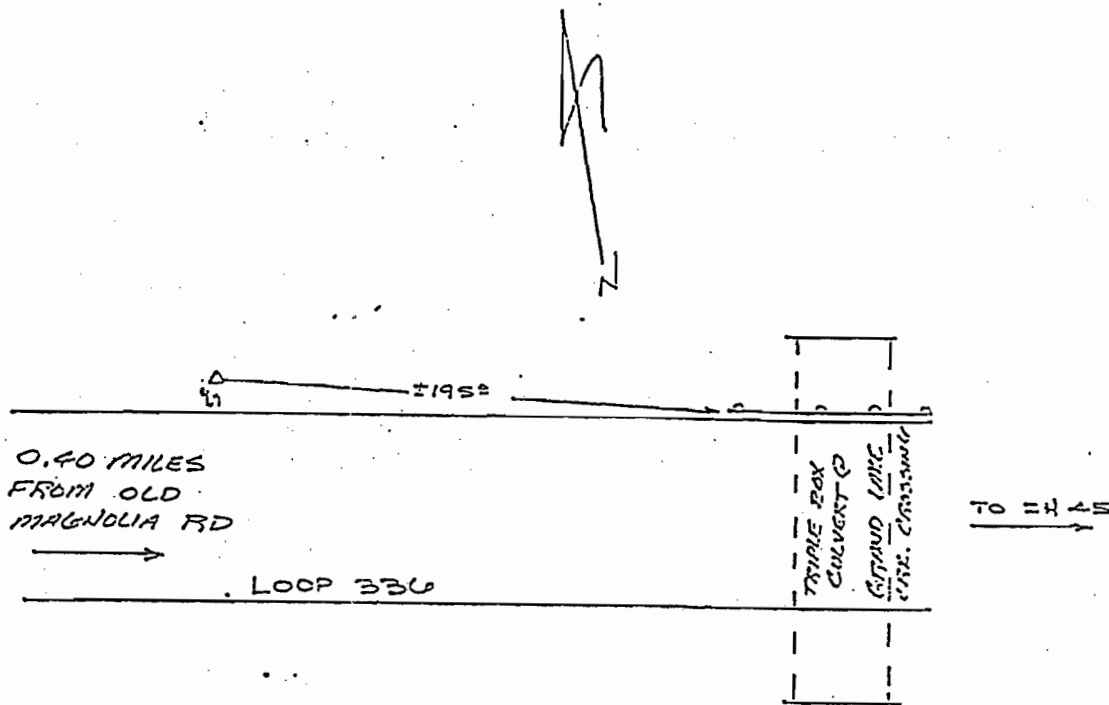
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November 20, 1996

Monument CI #2

Aluminum disc set in concrete. To reach as follows: From the intersection of Loop 336(south) and Old Magnolia Rd. Proceed in a south easterly direction along Loop 336 for 0.40 miles - Monument is on north side of Loop 336 5' north of edge of concrete shoulder $\pm 195'$ west of bridge crossing Grand Lake Creek $\pm 0.3'$ below ground.



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L A N D S U R V E Y O R S

MONUMENT NO. CI-2 Azimuth

PHOTO DATE: 3/17/99

DESCRIPTION: Looking east along S. Loop 336 across Grand Lake Creek (main channel) toward entrance to Conroe Medical Center and hospital.



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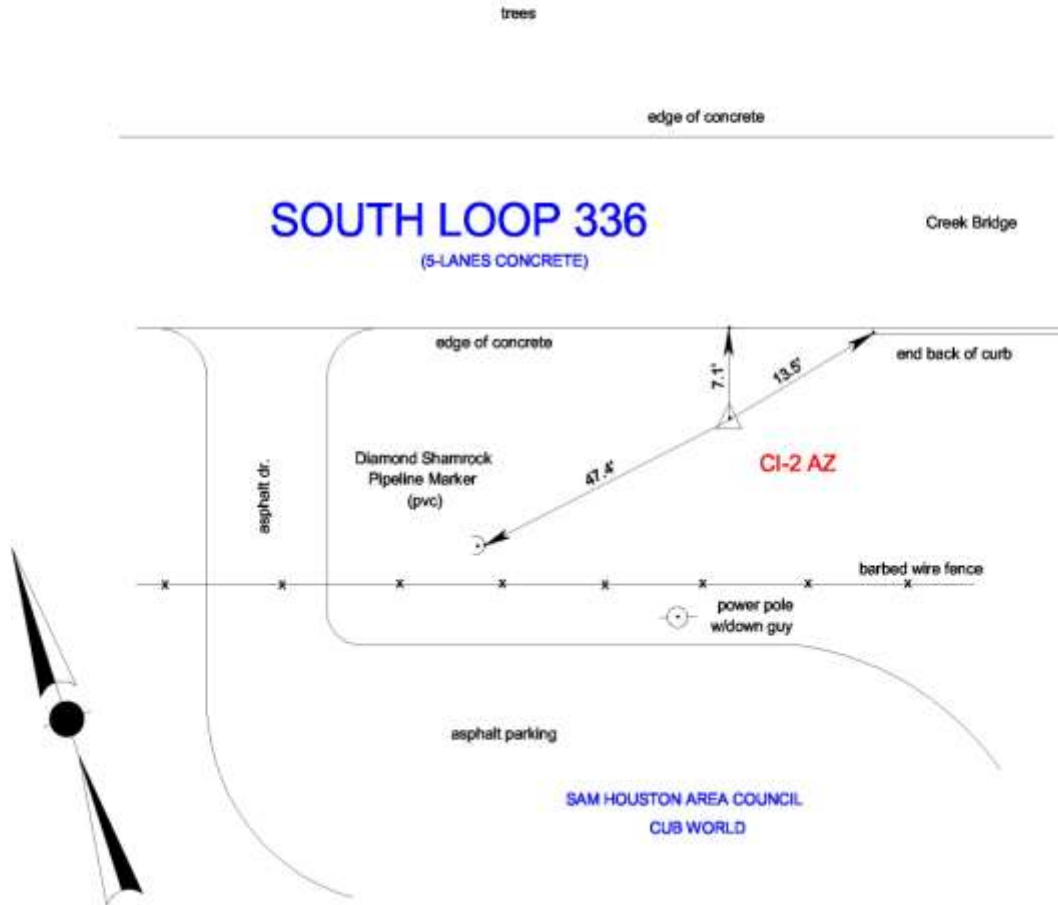
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CI-2 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10099554.50		E = 3830597.99	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 150.9'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF SOUTH			
LOOP 336 IN FRONT OF SAM HOUSTON AREA COUNCIL CUB WORLD			
CAMPGROUND. (CUB SCOUT CAMP)			
File: CI-2_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	

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L A N D S U R V E Y O R S

MONUMENT NO. CI-3 Control Point

PHOTO DATE: 3/17/99

DESCRIPTION: Looking southeast along S.H. 105 (W. Davis St.) toward W. Loop 336



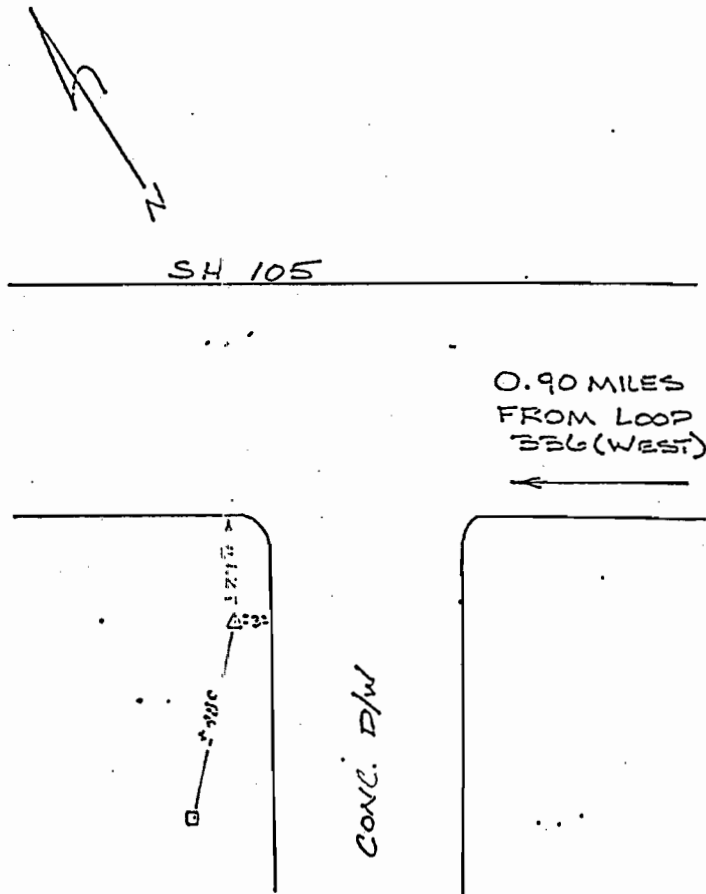
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November 20, 1996

Monument CI #3

Aluminum disc set in concrete. To reach as follows: From the intersection of Loop 336(west) and SH 105(west) proceed west along SH 105 for 0.90 miles to a concrete driveway entrance to a business - Porous Media - on the south side of SH 105 monument is on west side of driveway entrance - $\pm 48'$ in a northeast direction from LCTX box #E8A - $\pm 27.5'$ from edge of SH 105 - $\pm 3'$ west of concrete driveway entrance. .5' below surface of ground.



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CI-3 Azimuth

PHOTO DATE: 3/17/99

DESCRIPTION: Looking southeast along S.H. 105 (W. Davis St.) toward W. Loop 336



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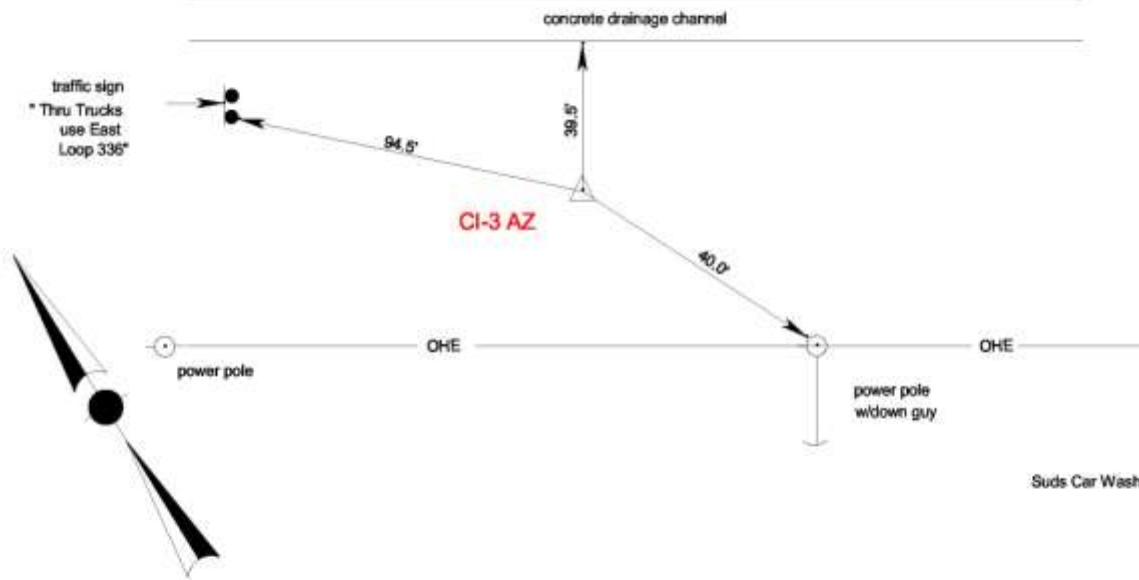
FIRST BANK OF CONROE, N.A.
(brick bldg.)

edge of concrete

S.H. 105 (WEST DAVIS STREET)

(7-LANES CONCRETE W/CONCRETE SHOULDERS)

edge of concrete



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CI-3 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10116385.74		E = 3819636.85	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 195.3'			
Description: SET BRASS DISK IN CONCRETE ON SOUTHWEST SIDE OF			
S.H. 105 APPROX. 0.3 MILE NORTHWEST OF LOOP 336 ACROSS			
S.H. 105 FROM FIRST BANK OF CONROE.			
File: CI-3_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
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L A N D S U R V E Y O R S

MONUMENT NO. CI-4 Control Point

PHOTO DATE: 3/17/99

DESCRIPTION: Looking northwest along S.H. 105 (W. Davis St.) toward Highland Hollow Drive.



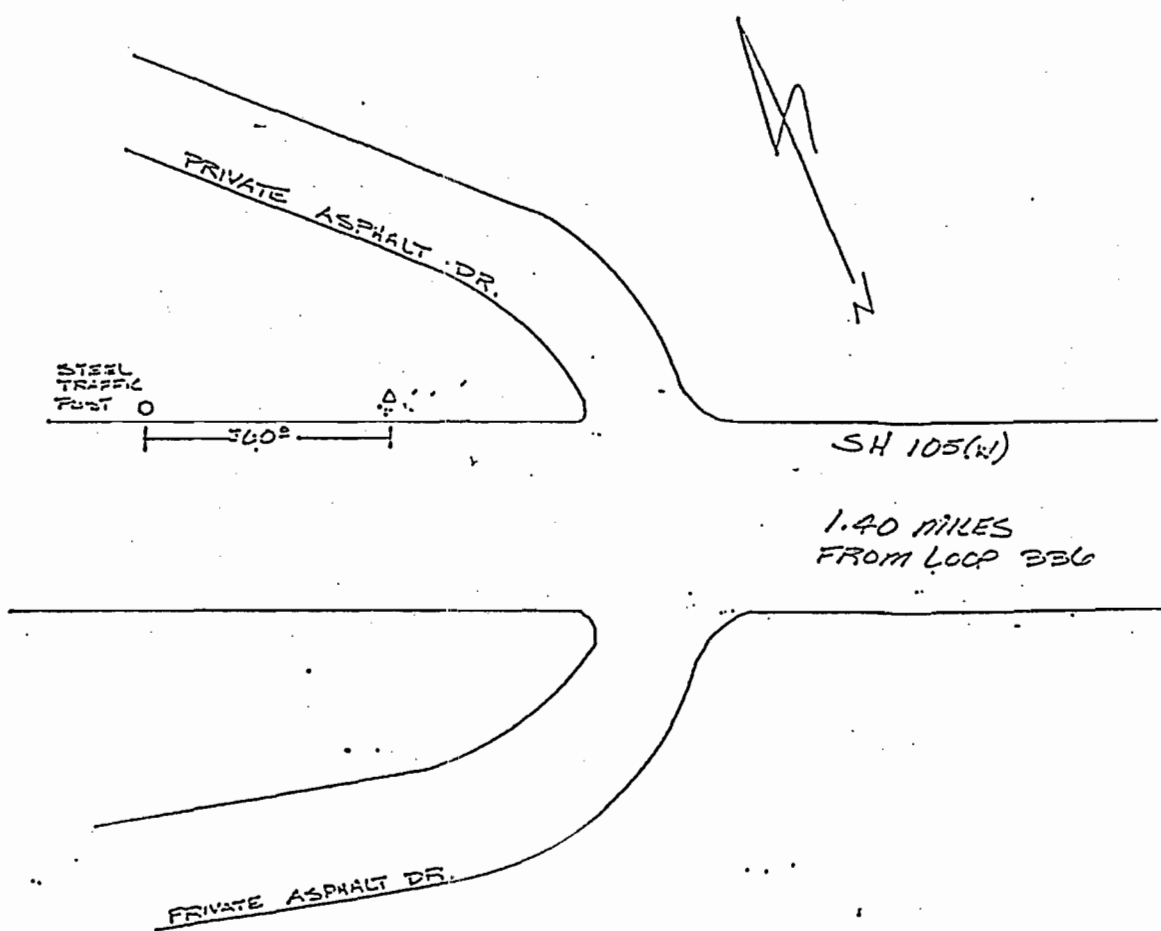
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November 20, 1996

Monument CI #4

Aluminum disc set in concrete. To reach as follows: From the intersection of Loop 336(west) and SH 105(west) proceed west along SH 105 for 1.4 miles - 0.20 miles past (Vernons One Stop) monument is located $\pm 5'$ north of edge of concrete pavement $\pm 60'$ east of a steel traffic post $\pm 0.3'$ below surface of ground.



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CI-4 Azimuth

PHOTO DATE: 3/17/99

DESCRIPTION: Looking southeast along S.H. 105 (W. Davis St.) toward Highland Hollow Drive.



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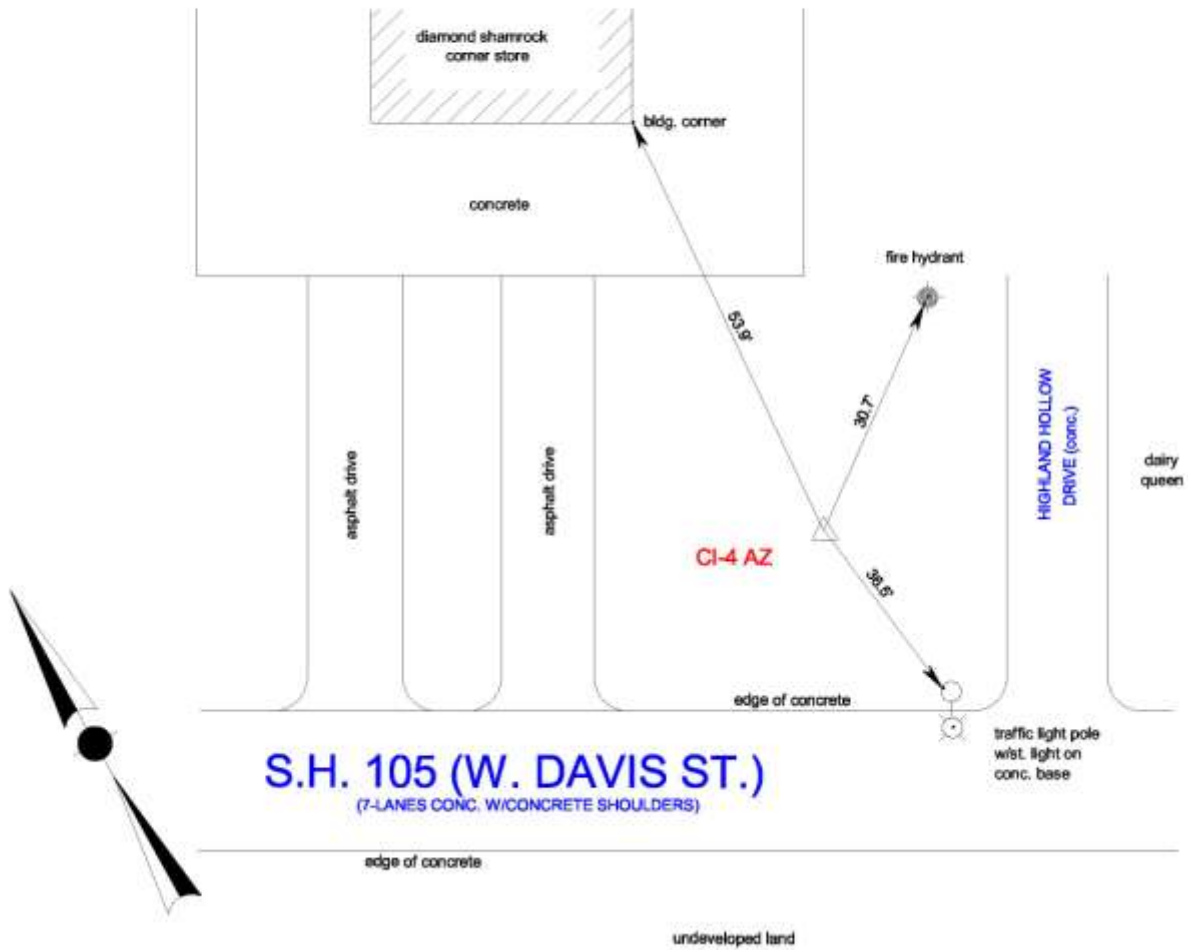
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S.H. 105 (W. DAVIS ST.)
(7-LANES CONC. W/CONCRETE SHOULDERS)

- NOTES: 1. Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CI-4 AZ		COUNTY: MONTGOMERY	
State Plane Coords:		N =	E =
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum)			
Description: SET BRASS DISK IN CONCRETE AT NORTH EAST CORNER OF			
INTERSECTION OF S.H. 105 (W. DAVIS ST.) W/HIGHLAND HOLLOW DR. AT			
DIAMOND SHAMROCK CORNER STORE.			
File: CI-4_AZ.DGN	Date: 4/26/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CI-5

PHOTO DATE: 3/16/99

DESCRIPTION: Looking north along E. Loop 336 (railroad overpass/U-turn) toward S.H. 105



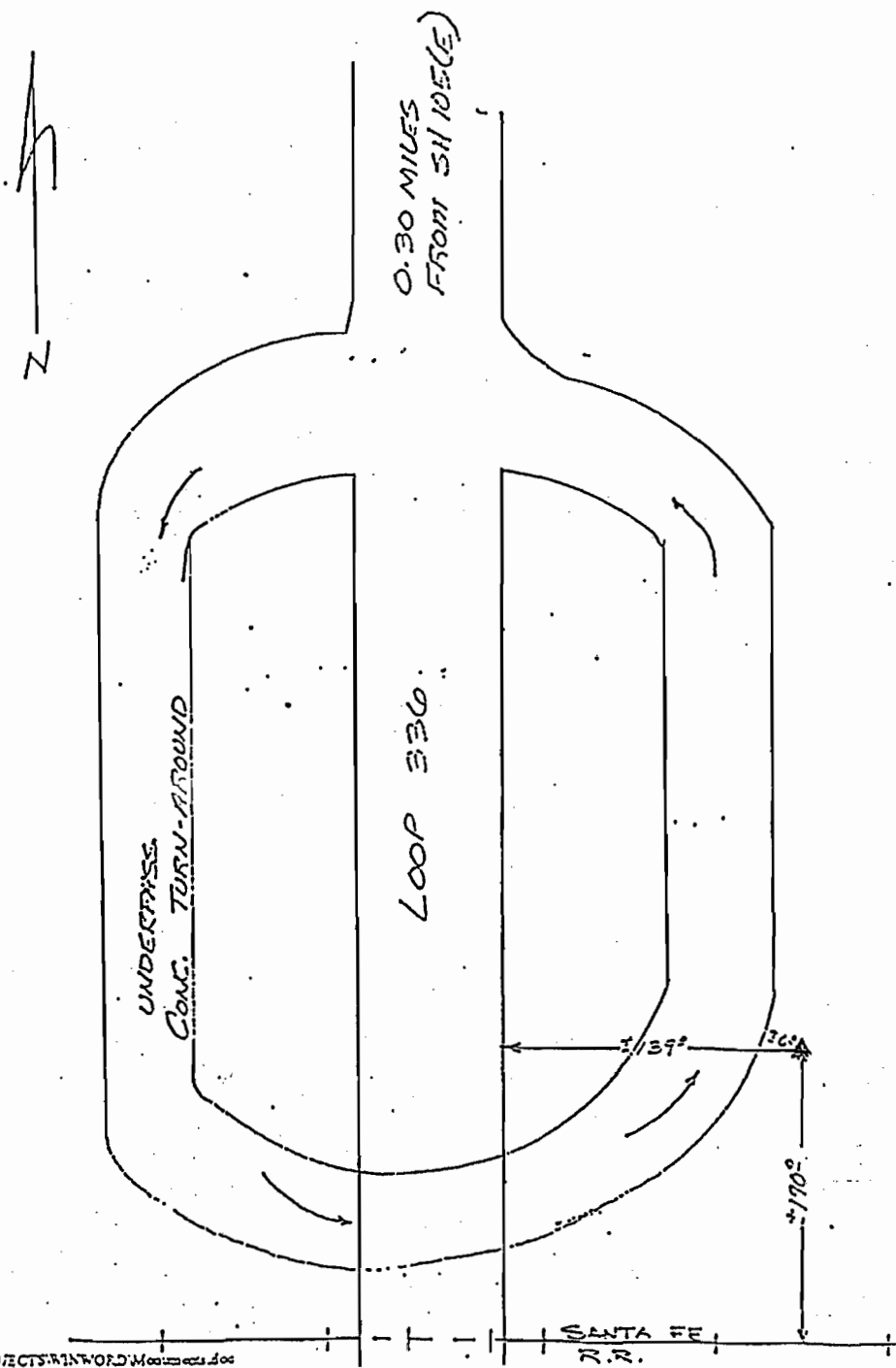
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November 20, 1996

Monument CI #5

Aluminum disc set in concrete. To reach as follows: From the intersection of SH 105(east) and Loop 336(east) proceed south along Loop 336 for 0.30 miles to a concrete turnaround going under Loop 336 - monument is $\pm 6'$ from the southeast edge of concrete pavement - $\pm 139'$ east of edge of Loop 336 overpass - $\pm 190'$ north of north edge of Santa Fe Railroad $\pm 0.3'$ below surface of ground.



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CI-5 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking north along E. Loop 336 toward S.H. 105



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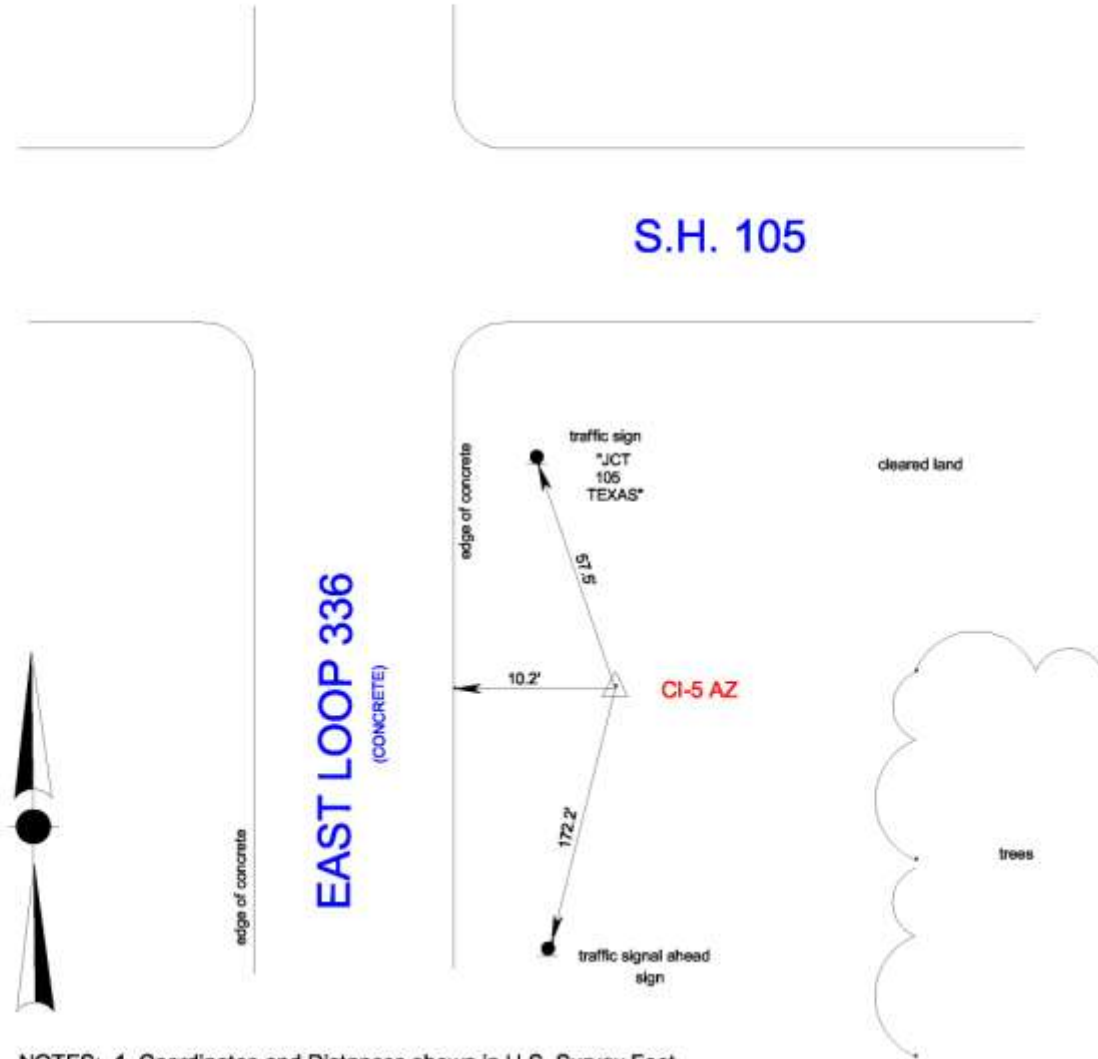
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S.H. 105



NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CI-5 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10115504.05		E = 3851861.18	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 208.8'			
Description: SET BRASS DISK IN CONCRETE ON THE EAST SIDE OF			
EAST LOOP 336 SOUTH OF ITS INTERSECTION WITH S.H. 105.			
File: CI-5_AZ.DGN	Date: 5/04/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CI-6

PHOTO DATE: 3/16/99

DESCRIPTION: Looking south along E. Loop 336 toward F.M. 3083



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CI-6 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking north along E. Loop 336 toward F.M. 3083



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CLARK-GEOGRAM INC.

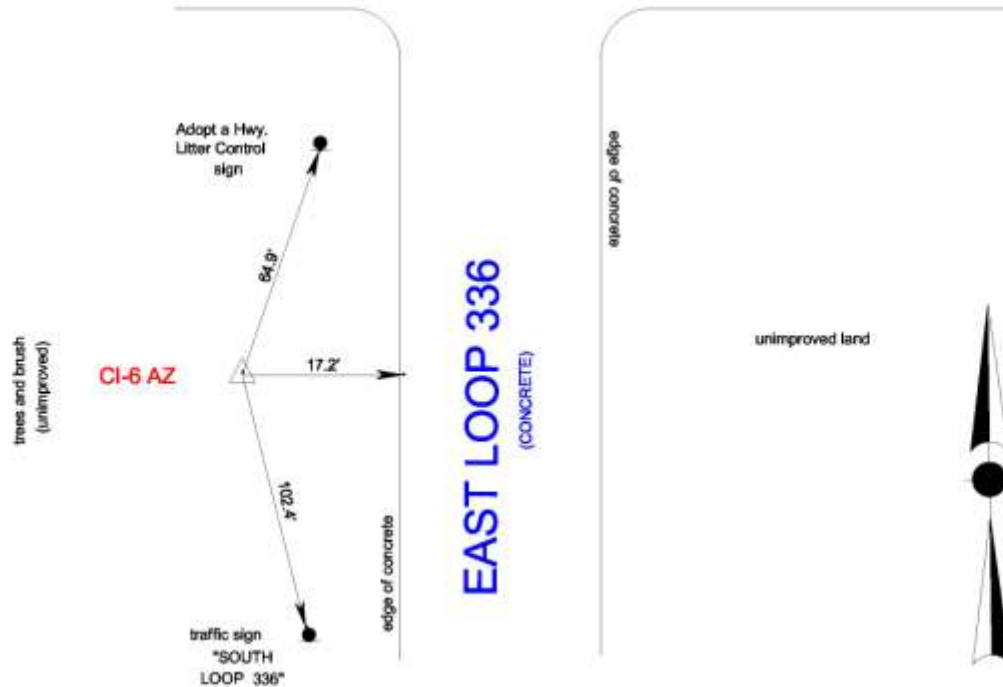
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F.M. 3083



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CI-6 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10109318.48		E = 3852922.31	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 200.0'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF E. LOOP			
336 APPROX. 200' SOUTH OF F.M. 3083.			
File: CI-6_AZ.DGN	Date: 5/04/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.
L A N D S U R V E Y O R S

MONUMENT NO. CI-7 Control Point

PHOTO DATE: 3/17/99

DESCRIPTION: Looking west along plant access road from Old Magnolia Rd. toward sewage treatment plant.



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CI-7 Azimuth

PHOTO DATE: 3/17/99

DESCRIPTION: Looking ESE toward Old Magnolia Rd. and entrance to sewer treatment plant.



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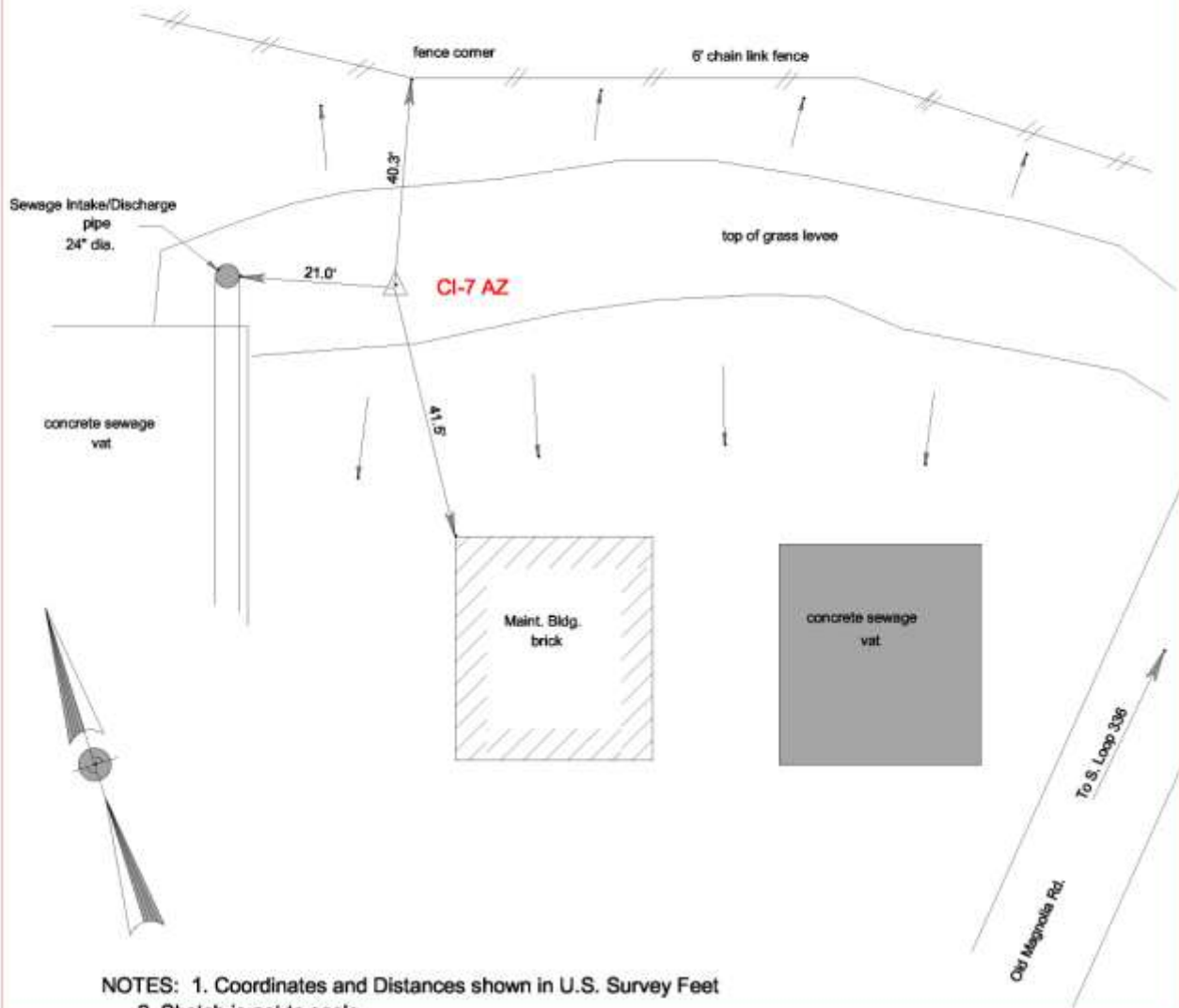
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CI-7 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10096396.09		E = 3823420.60	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 134.4'			
Description: SET BRASS DISK IN CONCRETE NEAR NORTHWEST CORNER			
OF CONROE SEWER TREATMENT PLANT ON OLD MAGNOLIA ROAD AT			
TOP OF LEVEE.			
File: CI-7_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. K-88 NGS BM

PHOTO DATE: 3/16/99

DESCRIPTION: Looking east along Hilbig Road across First Street toward Montgomery County Law Enforcement Complex.



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. K-88 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking southwest toward St. Mark Lutheran Church and Delores St.



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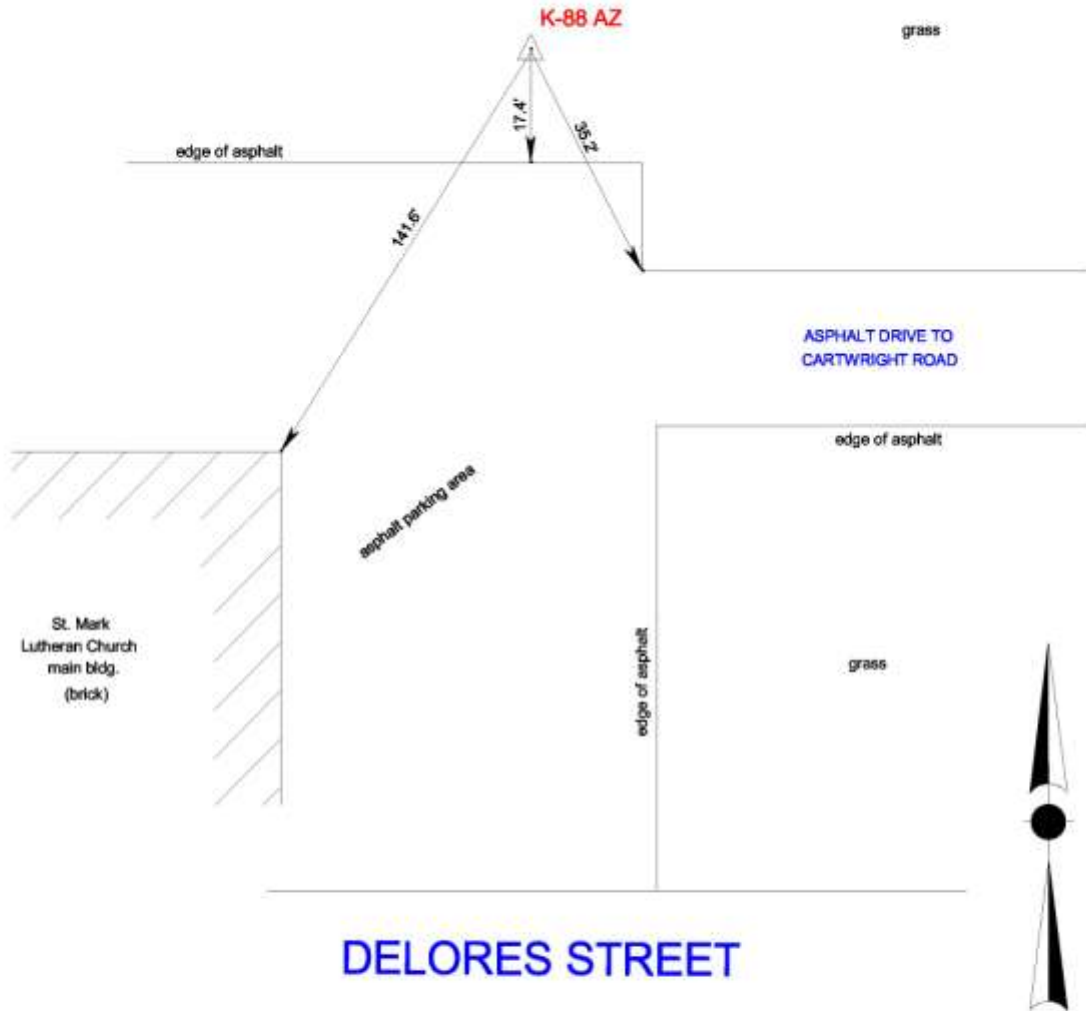
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: K-88 AZ	COUNTY: MONTGOMERY		
State Plane Coords:	N = 10119811.54	E = 3834001.88	
Scale Factor:	1.00003	Zone:	CENTRAL
		Datum:	NAD83
Elevation (NAVD88/91 Datum) 241.1'			
Description: SET BRASS DISK IN CONCRETE NEAR NORTHEAST CORNER			
OF ASPHALT PARKING LOT FOR ST. MARK LUTHERAN CHURCH ON			
DELORES ST. SOUTH OF NORTH LOOP 336.			
File: K-88_AZ.DGN	Date: 4/29/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. NGS BM K-1149

PHOTO DATE: 3/16/99

DESCRIPTION: Looking north along S. Main Street toward railroad and ETI-CVC, Inc. plant site



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. K-1149 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking east across S. Main Street and railroad along Silverdale Street



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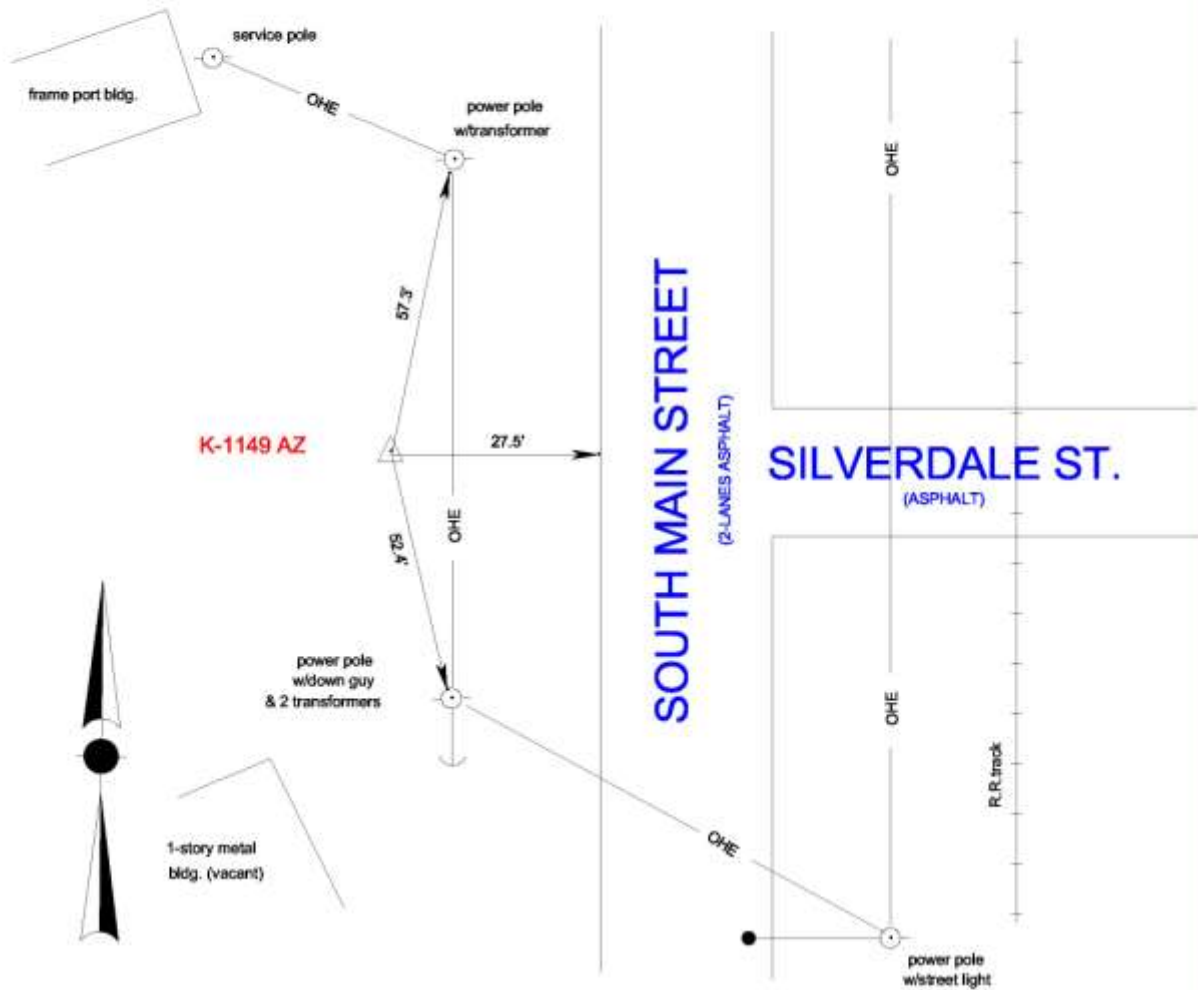
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: K-1149 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10105515.42		E = 3835258.71	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 186.3'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF SOUTH MAIN STREET AT ITS INTERSECTION W/SILVERDALE STREET.			
File: K-1149_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. NGS BM L-88

PHOTO DATE: 3/16/99

DESCRIPTION: Looking south along Pacific St. toward Nugent Street



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. L-88 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking west along Phillips St. across railroad and Pacific St. in downtown Conroe



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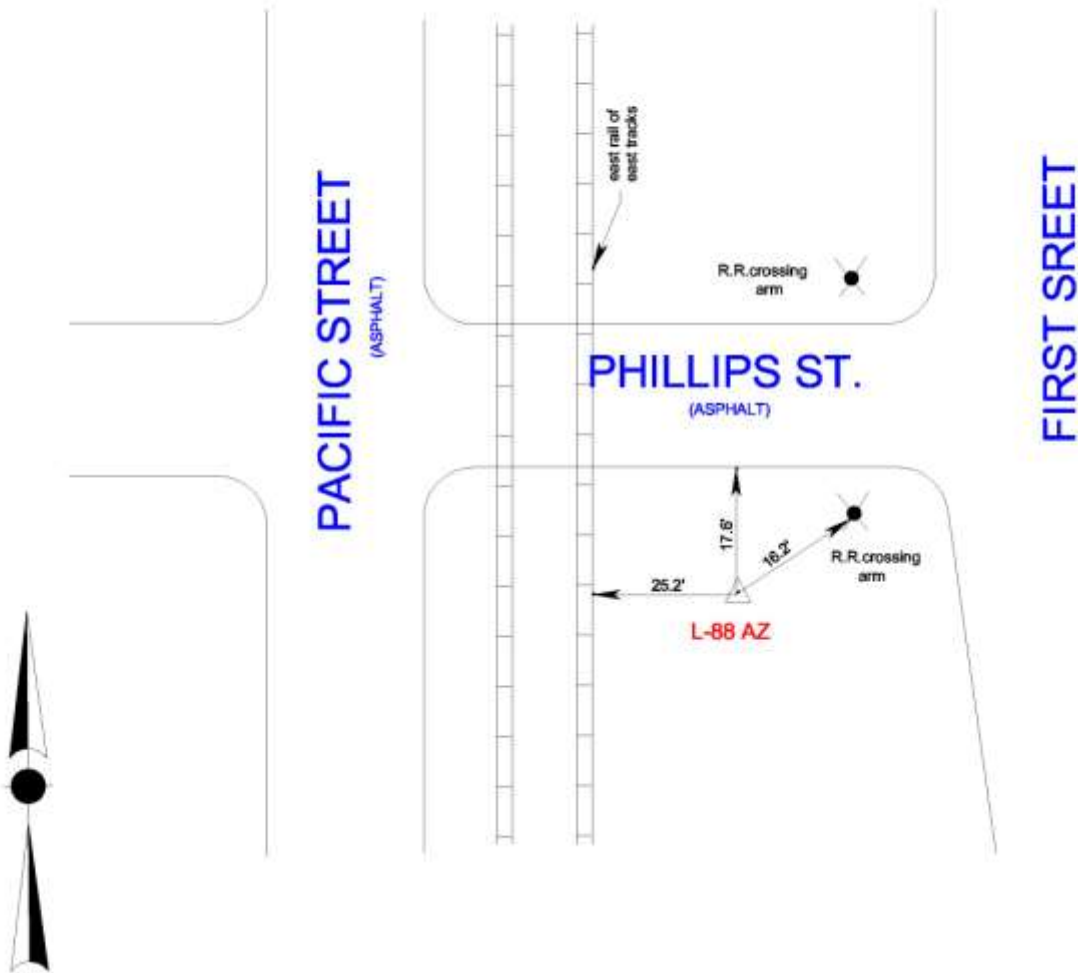
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: L-88 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10111302.39		E = 3835187.27	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 222.7'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF PHILLIPS STREET EAST OF PACIFIC STREET & R.R. TRACKS IN CONROE.			
File: L-88_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. NGS BM L-1149

PHOTO DATE: 3/16/99

DESCRIPTION: Looking NNW across railroad and S. Frazier St. toward Foster Road and the Southside Village Shopping Center



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. L-1149 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking north along S.H. 75 (S. Frazier St.) toward Conroe Business Center



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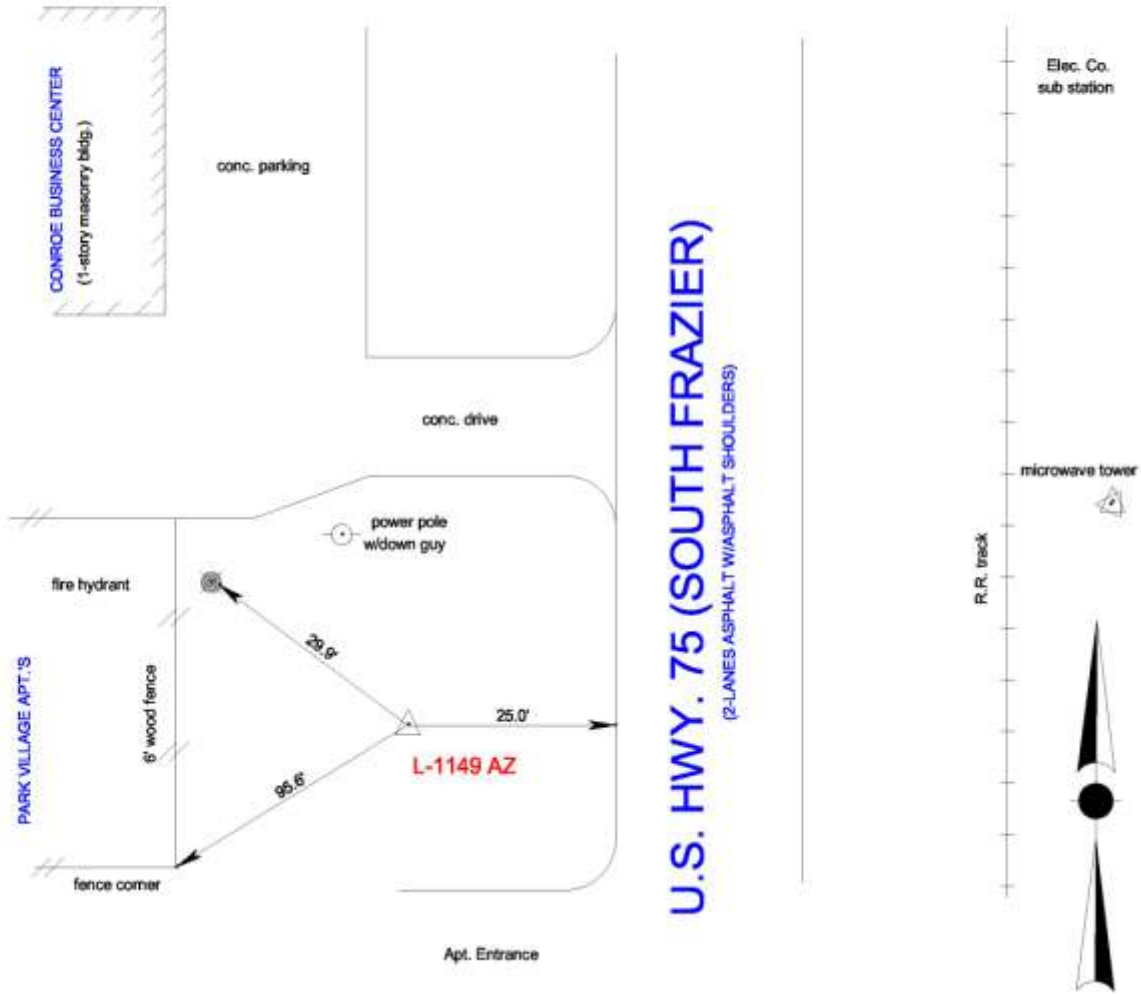
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: L-1149 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10101947.69		E = 3835374.21	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 171.1'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF SOUTH			
FRAZIER (U.S.75) NORTH OF LOOP 336 NEAR SOUTHEAST CORNER			
OF CONROE BUSINESS CENTER. (1300 SOUTH FRAZIER)			
File: L-1149_AZ.DGN	Date: 5/05/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. NGS BM N-88

PHOTO DATE: 3/16/99

DESCRIPTION: Looking southeast along Main St. toward City Water Plant building in Downtown Conroe



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. N-88 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking north along Thompson St. toward Collins St. in downtown Conroe



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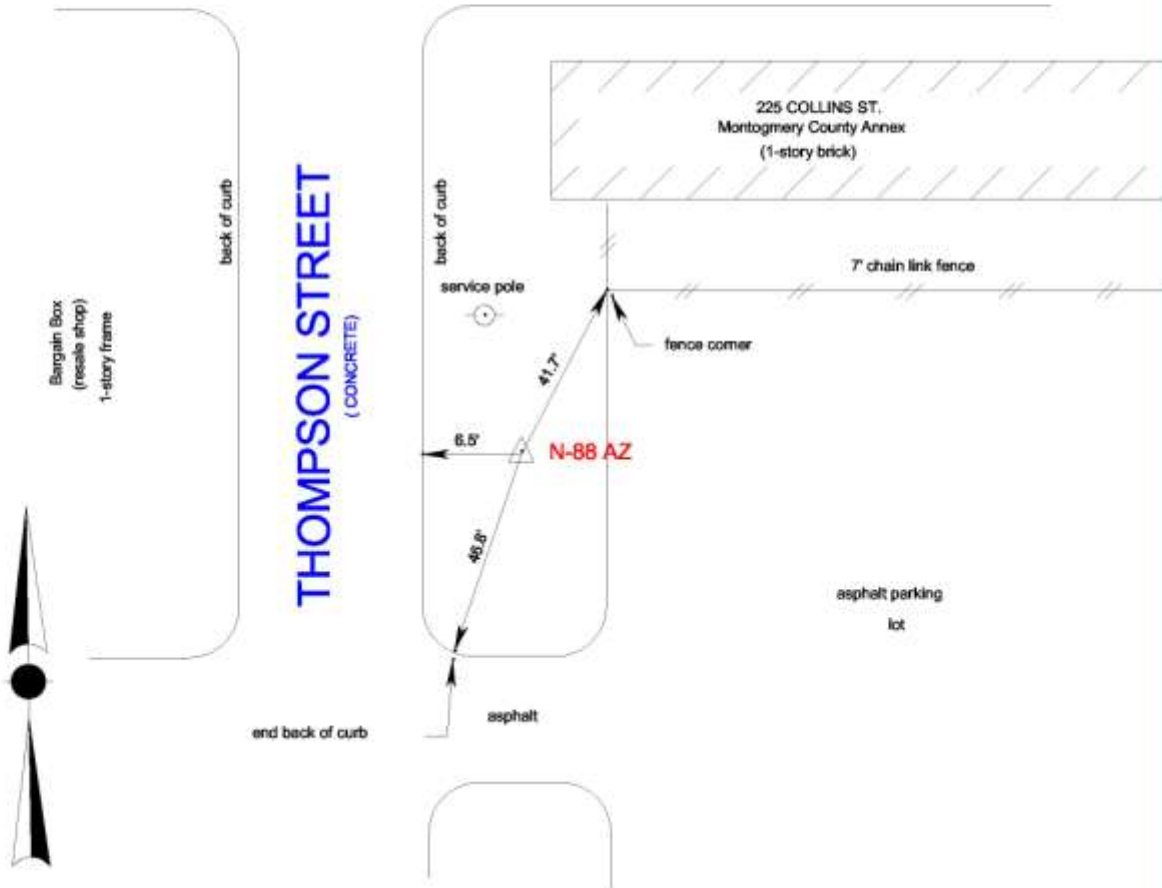
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COLLINS STREET



NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: N-88 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10110099.26		E = 3834498.53	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 211.3'			
Description: SET BRASS DISK IN CONCRETE ON EAST SIDE OF			
THOMPSON STREET APPROX. 1/2 BLOCK SOUTH OF COLLINS STREET			
IN DOWNTOWN CONROE.			
File: N-88_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. N-555 NGS BM

PHOTO DATE: 3/16/99

DESCRIPTION: Looking northwest from Airport Rd. along bus ramp toward New Anderson Elem. School.



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. N-555 Reference

PHOTO DATE: 3/16/99

DESCRIPTION: Looking northwest from Airport Rd. along bus ramp toward New Anderson Elem. School.



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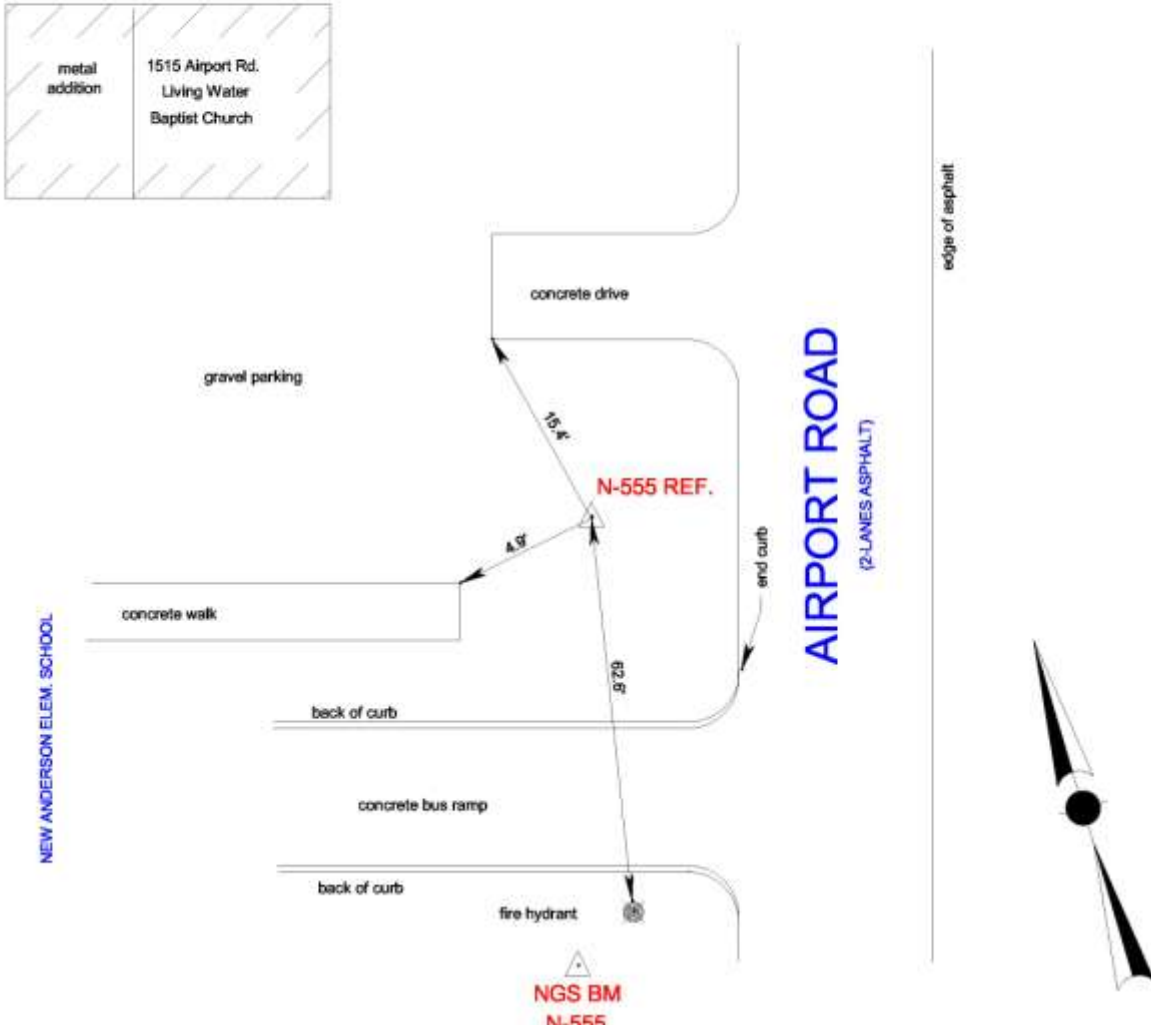
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: N-555 REF.		COUNTY: MONTGOMERY	
State Plane Coords: N = 10115509.52		E = 3839567.47	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 201.0'			
Description: SET BRASS DISK IN CONCRETE ON NORTHWEST SIDE OF			
AIRPORT ROAD & NORTHEAST OF CONCRETE BUS RAMP INTO NEW			
ANDERSON ELEM. SCHOOL AT SOUTH CORNER OF LIVING WATER			
BAPTIST CHURCH PARKING LOT.			
File: N-555_REF.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. N-555 REF Azimuth

Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking southwest along Airport Rd. toward E. Dallas St. and Butlersburg Road.



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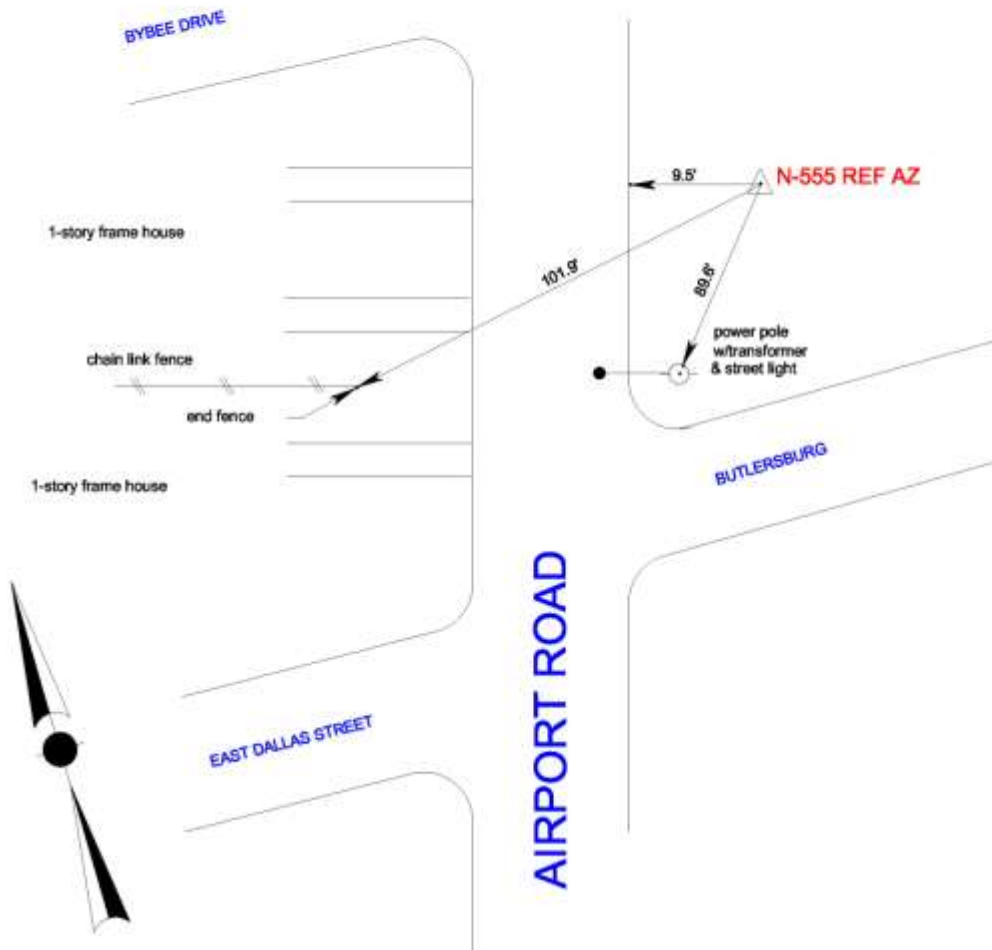
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: N-555 REF AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10116837.03		E = 3840642.83	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 202.8'			
Description: SET BRASS DISK IN CONCRETE ON SOUTHEAST SIDE OF			
AIRPORT ROAD BETWEEN EAST DALLAS STREET & BYBEE DRIVE.			
File: N-555REF_AZ.DGN	Date: 5/11/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. NGS BM Q-88

PHOTO DATE: 3/16/99

DESCRIPTION: Looking NNW toward railroad, IH-45 and Crighton Road



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. Q-88 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking west along Crighton Road toward railroad and IH-45



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I.H. 45 NORTH BOUND FEEDER RD.



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: Q-88 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10094040.78		E = 3835937.04	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 131.5'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF			
CRIGHTON ROAD EAST OF I.H. 45 AND RAILROAD.			
File: Q-88 AZ.DGN	Date: 5/05/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. NGS BM P-88

PHOTO DATE: 3/16/99

DESCRIPTION: Looking N'east toward railroad trestle and mile post



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. NGS BM P-88 Reference Mark

PHOTO DATE: 3/16/99

DESCRIPTION: Looking north along IH-45 northbound feeder toward S. Loop 336 off-ramp



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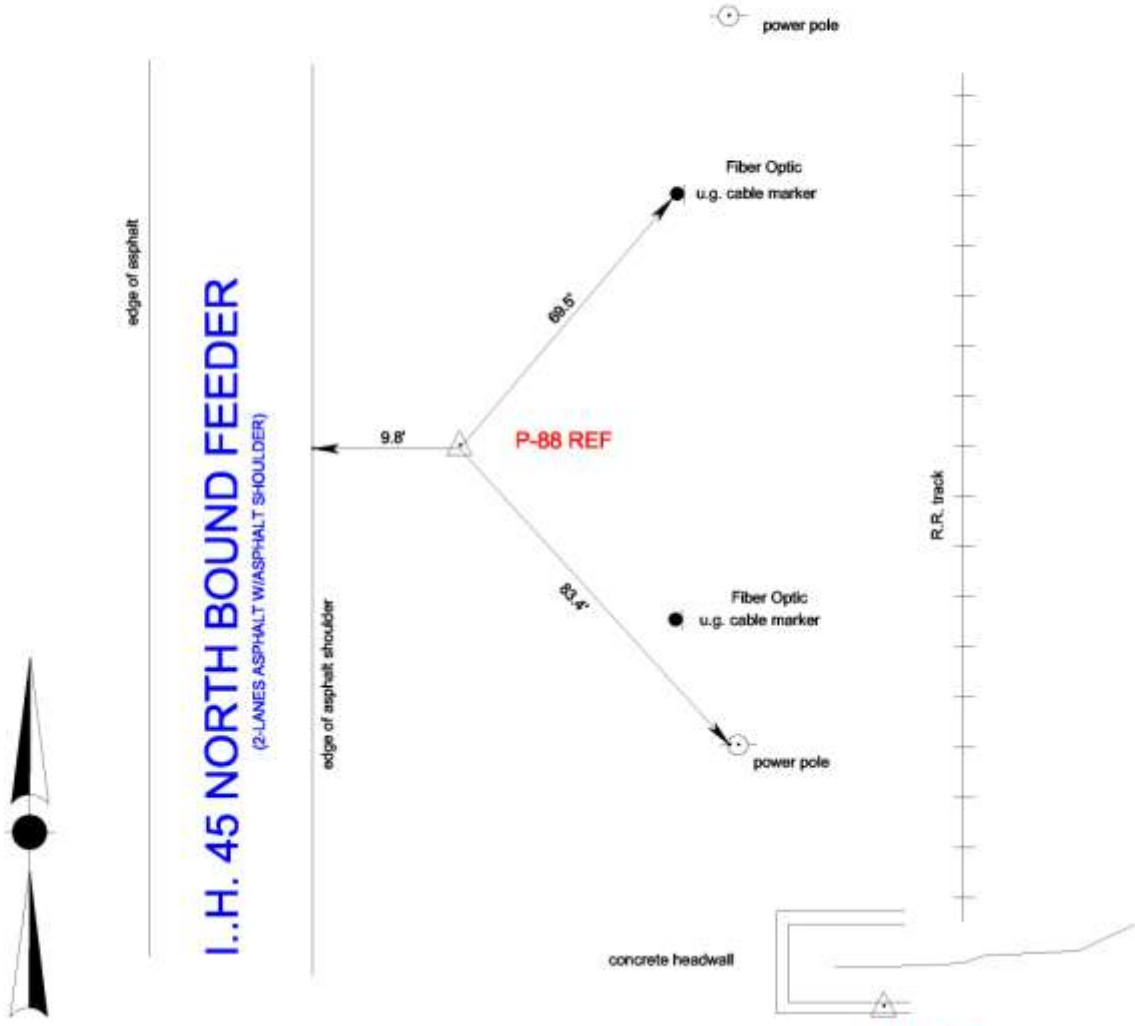
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: P-88 REF.		COUNTY: MONTGOMERY	
State Plane Coords: N = 10097808.720		E = 3835619.779	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 141.89'			
Description: SET BRASS DISK IN CONCRETE ON EAST SIDE OF			
I.H. 45 NORTH BOUND FEEDER ROAD (WEST OF RR) AT LOOP 336			
OFF RAMP BETWEEN CRIGHTON ROAD AND LOOP 336 AND NORTH OF			
P-88 NGS BENCH MARK.			
File: P-88_REF.DGN	Date: 5/05/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. P-88 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking NNW along IH-45 northbound feeder road toward S. Loop 336
Exit ramp



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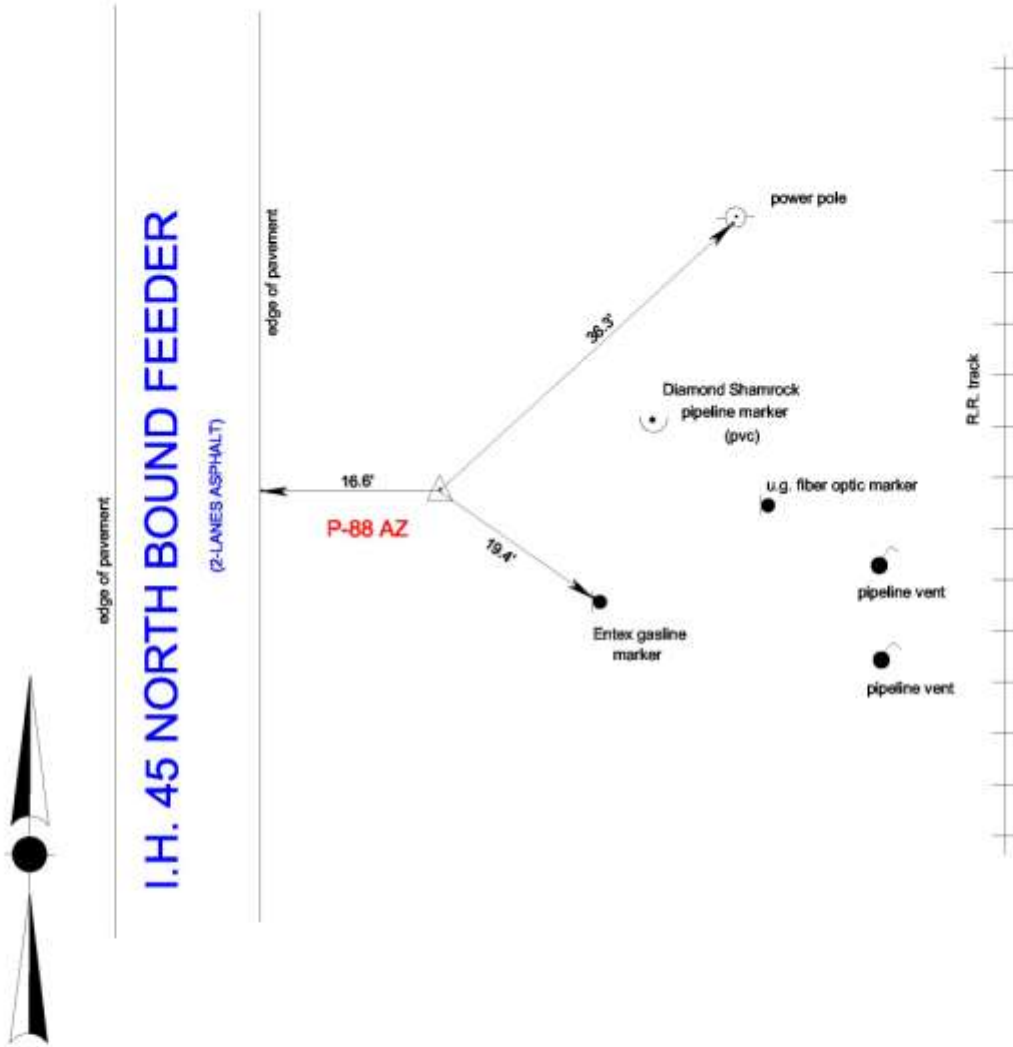
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: P-88 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10096481.82		E = 3835664.15	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 132.0'			
Description: SET BRASS DISK IN CONCRETE ON EAST SIDE OF I.H. 45			
NORTH BOUND FEEDER ROAD AT PIPELINE CROSSING BETWEEN			
CRIGHTON ROAD AND LOOP 336.			
File: P-88_AZ.DGN	Date: 5/05/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. NGS BM R-555

PHOTO DATE: 3/16/99

DESCRIPTION: Looking east toward Montgomery County Airport general aviation terminals



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. R-555 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking west across F.M. 1484 toward Montgomery County Fair Assoc.
Exhibit building



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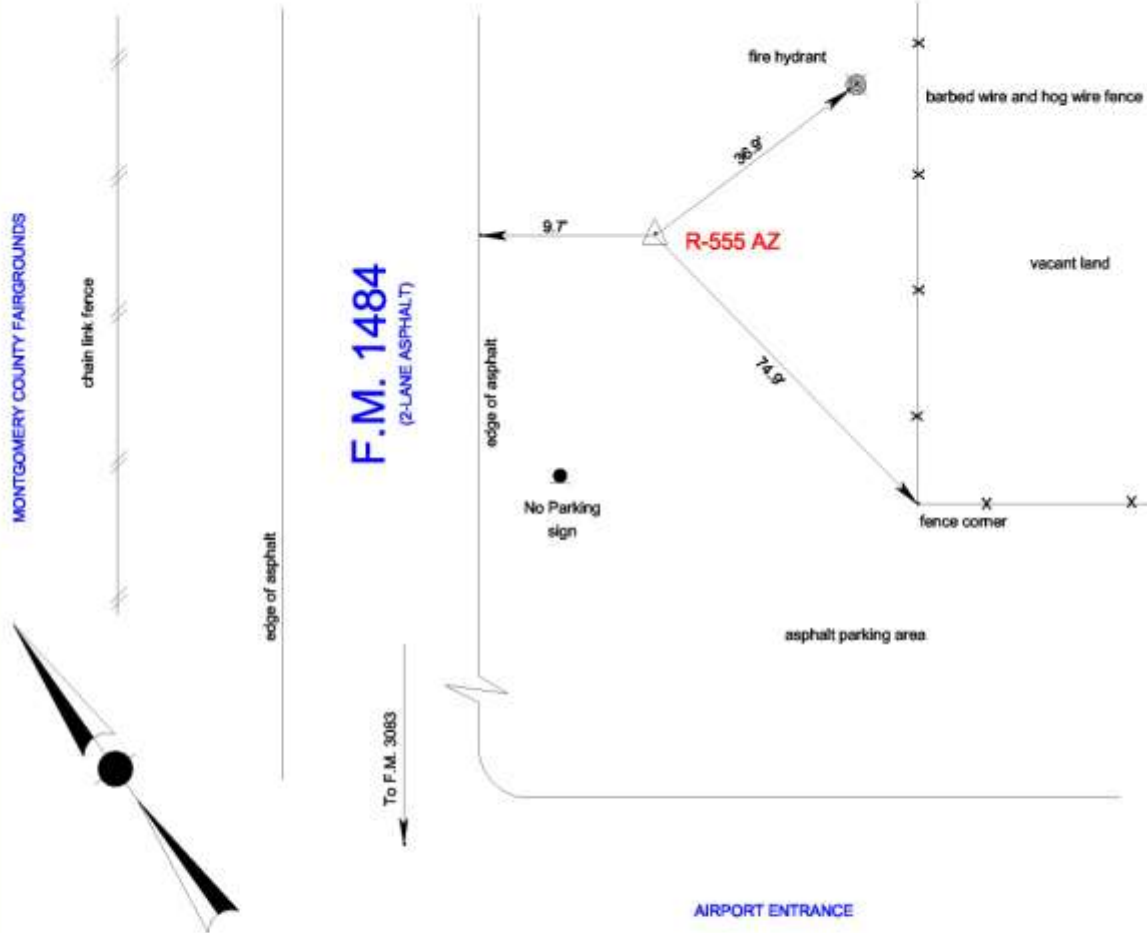
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: R-555 AZ	COUNTY: MONTGOMERY		
State Plane Coords:	N = 10125932.84	E = 3843930.03	
Scale Factor:	1.00003	Zone:	CENTRAL
		Datum:	NAD83
Elevation (NAVD88/91 Datum) 252.8'			
Description: SET BRASS DISK IN CONCRETE ON THE SOUTHEAST SIDE OF			
F.M. 1484 BETWEEN THE MONTGOMERY COUNTY AIRPORT AND THE			
MONTGOMERY COUNTY FAIRGROUNDS.			
File: R-555_AZ.DGN	Date: 5/04/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. SJRA-1

PHOTO DATE: 3/17/99

DESCRIPTION: Looking southwest along Lake Conroe dam road toward spillway.



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. SJRA-1 Azimuth

PHOTO DATE: 3/17/99

DESCRIPTION: Looking northeast along Lake Conroe dam road toward its northeast end.



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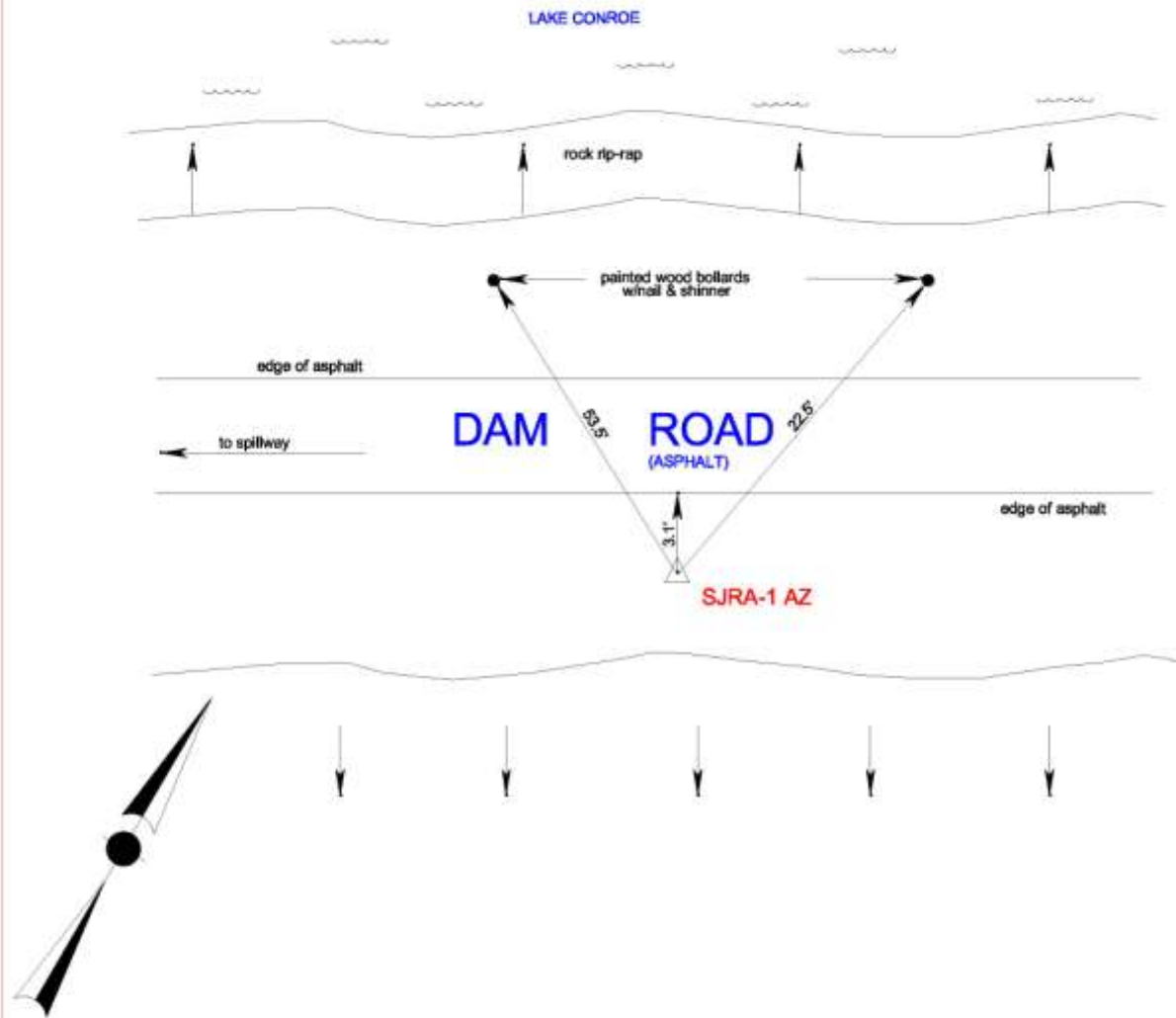
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: SJRA-1 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10128016.73		E = 3804299.17	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 211.9'			
Description: SET BRASS DISK IN CONCRETE ON SOUTHEAST SIDE OF LAKE			
CONROE DAM (LEVEE) ROAD APPROX. 0.25 MILE SOUTHWEST OF THE			
ROAD'S NORTHEAST END.			
File: SJRA-1_AZ.DGN	Date: 4/26/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. S-1203 Reference Mark

PHOTO DATE: 3/16/99

DESCRIPTION: Looking south along Cartwright Road under N. Loop 336 overpass.



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. S-1203 NGS BM

PHOTO DATE: 3/16/99

DESCRIPTION: Looking northeast toward entrance to Campbell Concrete & S-1203 Reference disk.



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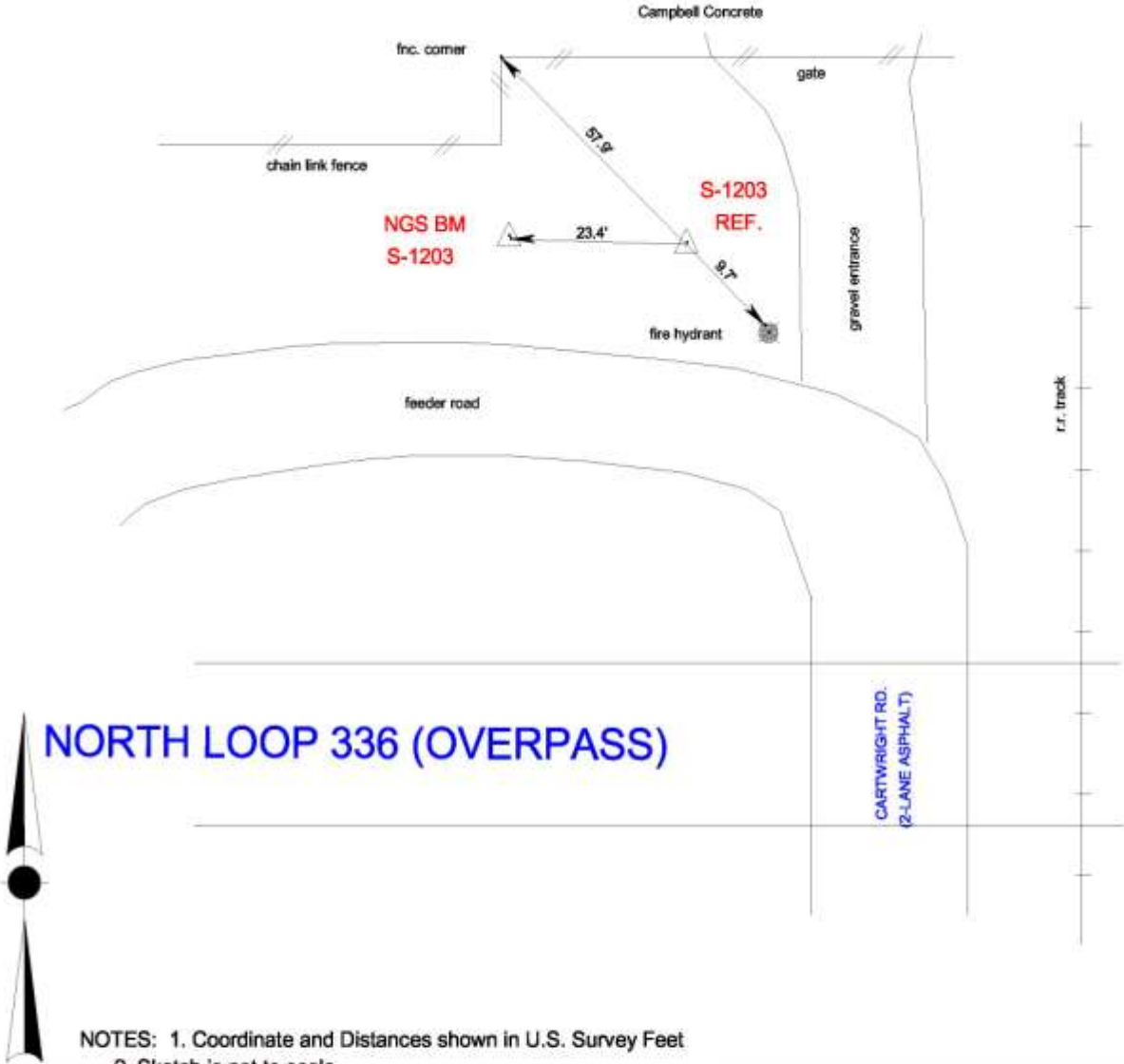
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NORTH LOOP 336 (OVERPASS)

NOTES: 1. Coordinate and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: S-1203 REF.	COUNTY: MONTGOMERY		
State Plane Coords:	N = 10120651.636	E = 3834195.716	
Scale Factor:	1.00003	Zone:	CENTRAL
Elevation (NAVD88/91 Datum) 230.10'		Datum:	NAD83
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF NORTH			
LOOP 336 FEEDER ROAD FROM CARTWRIGHT ROAD AT ENTRANCE			
TO CAMPBELL CONCRETE (PLANT 23) SITE			
File: S-1203_REF.DGN	Date: 5/04/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. S-1203 REF Azimuth
3/16/99

PHOTO DATE:

DESCRIPTION: Looking west across N. Loop 336 toward road/railroad overpass and Sparkler Filter, Inc. plant site.



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CLARK-GEOGRAM INC.

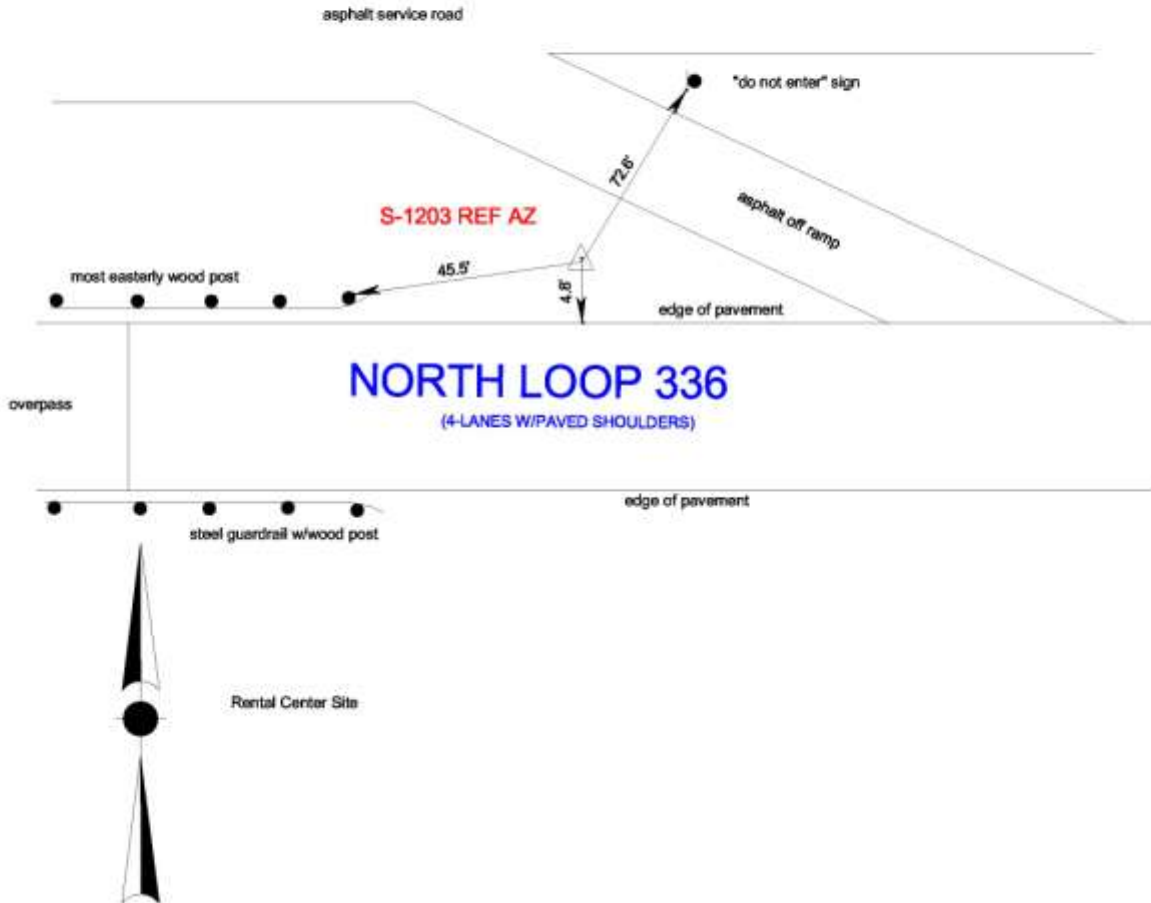
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Sparkler Filters, Inc. Plant Site



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: S-1203 REF AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10120629.09		E = 3834952.54	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 242.3'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF NORTH			
LOOP 336 IN FRONT OF SPARKLER FILTERS, INC. PLANT SITE AT			
BEGINNING OF ROAD/R.R. OVERPASS (CARTWRIGHT ROAD).			
File: S-1203_AZ.DGN	Date: 5/3/99	Job No.: 99-02-4604	

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. U-312 NGS BM

PHOTO DATE: 3/16/99

DESCRIPTION: Looking east along S.H. 105 (E. Davis St.) toward Magnolia Street



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. U-312 Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking east along S.H. 105 (E. Davis St.) toward F.M. 3083



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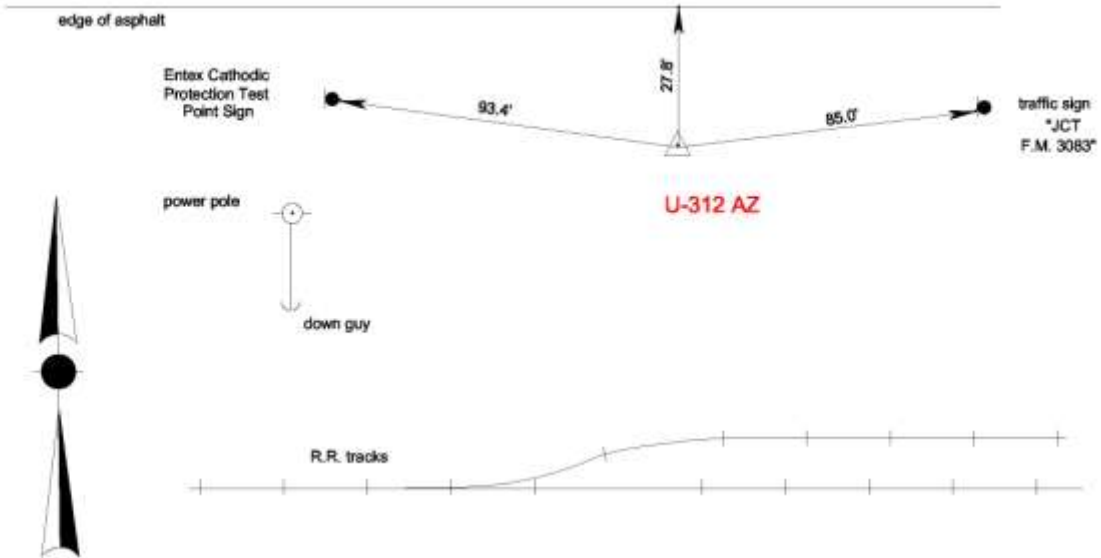
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S.H. 105 (EAST DAVIS ROAD)

(2-LANES W/ ASPHALT SHOULDERS)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: U-312 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10114266.68		E = 3845976.61	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 209.2'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF S.H. 105 BETWEEN F.M. 3083 AND EASTWOOD STREET NORTH OF R.R. TRACKS.			
File: U-312_AZ.DGN	Date: 5/04/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. X-1149 NGS BM

PHOTO DATE: 3/16/99

DESCRIPTION: Looking north along N. First Street toward Adkins Street



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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. X-1149 Reference

PHOTO DATE: 3/16/99

DESCRIPTION: Looking NNE along N. First Street toward Conroe water tower & benchmark.



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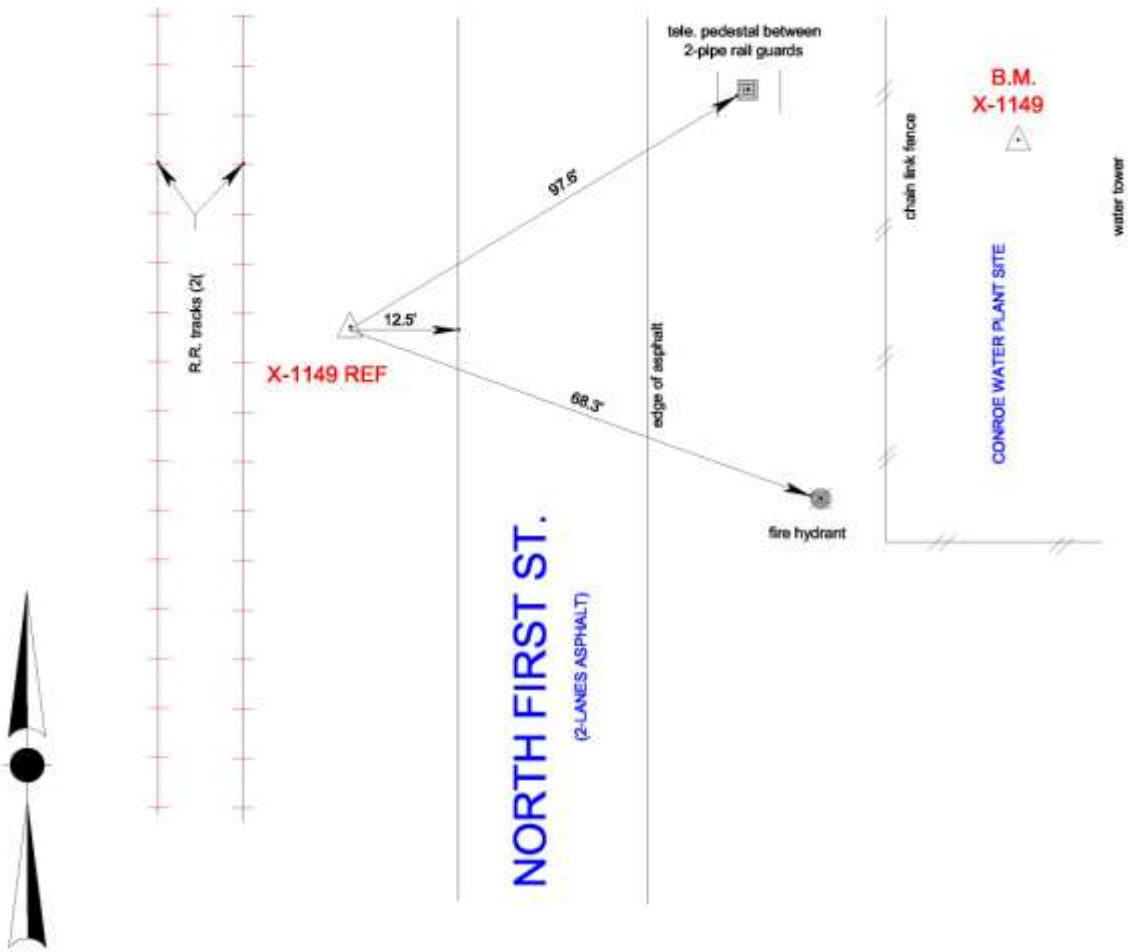
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: X-1149 REF.		COUNTY: MONTGOMERY	
State Plane Coords: N = 10114485.401		E = 3835074.897	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 216.90'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF NORTH			
FIRST STREET ON EAST SIDE OF R.R. TRACKS (2) & ACROSS STREET			
FROM B.M. X-1149 AT CONROE WATER TOWER (SOUTH OF ADKINS ST.)			
File: X-1149_REF.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. X-1149 REF Azimuth

PHOTO DATE: 3/16/99

DESCRIPTION: Looking north along N. First Street toward Pauline Street



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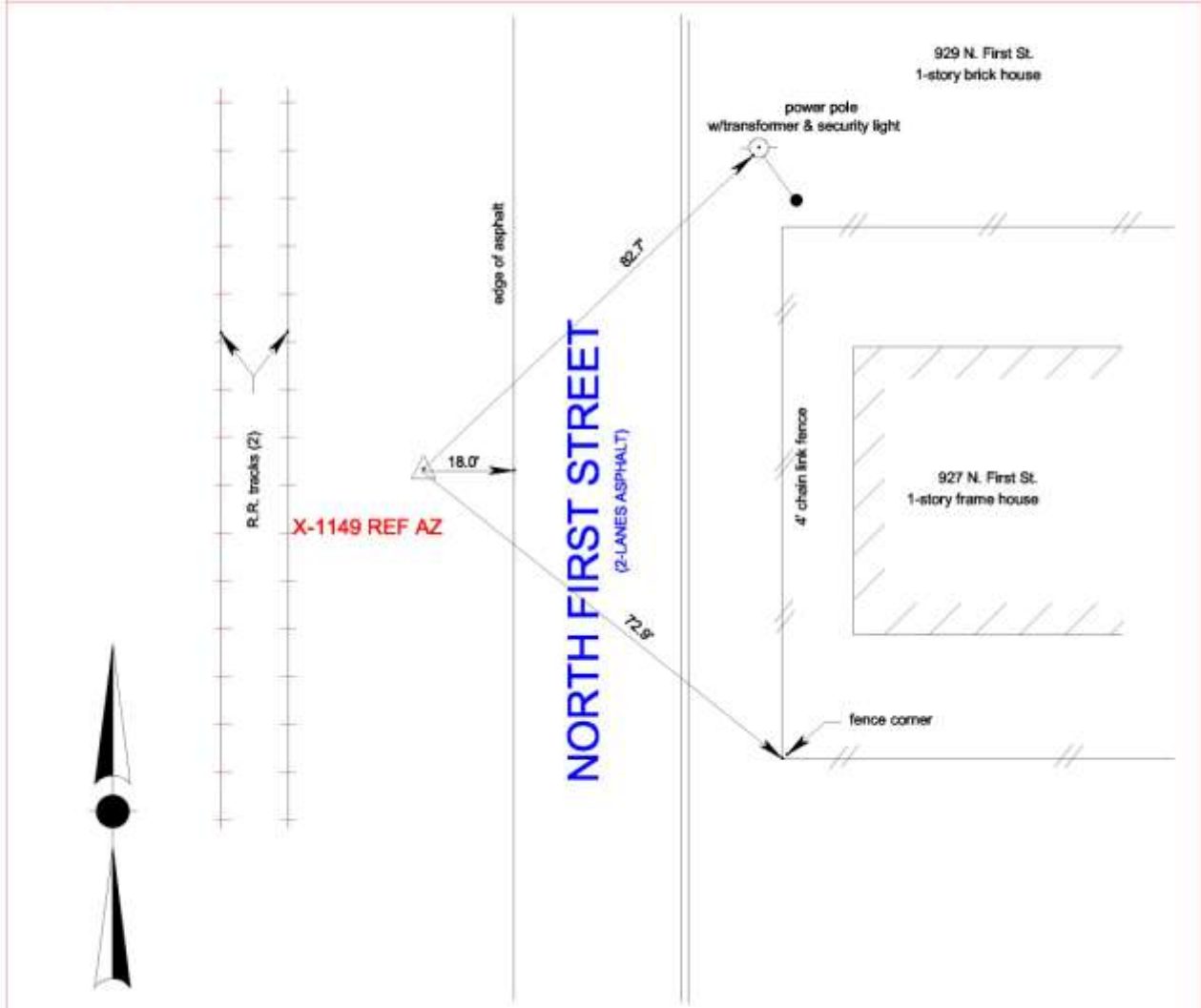
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: X-1149 REF AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10113391.56		E = 3835111.82	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 208.3'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF NORTH			
FIRST STREET APPROX. 200' SOUTH OF PAULINE STREET & EAST			
OF R.R. TRACKS.			
File: X-1149REF_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	
			RICHARD A. DAVIS, III R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-1 Control Point

PHOTO DATE: 3/17/99

DESCRIPTION: Looking southwest from S.H. 105 toward Willis High School and F.M. 830.



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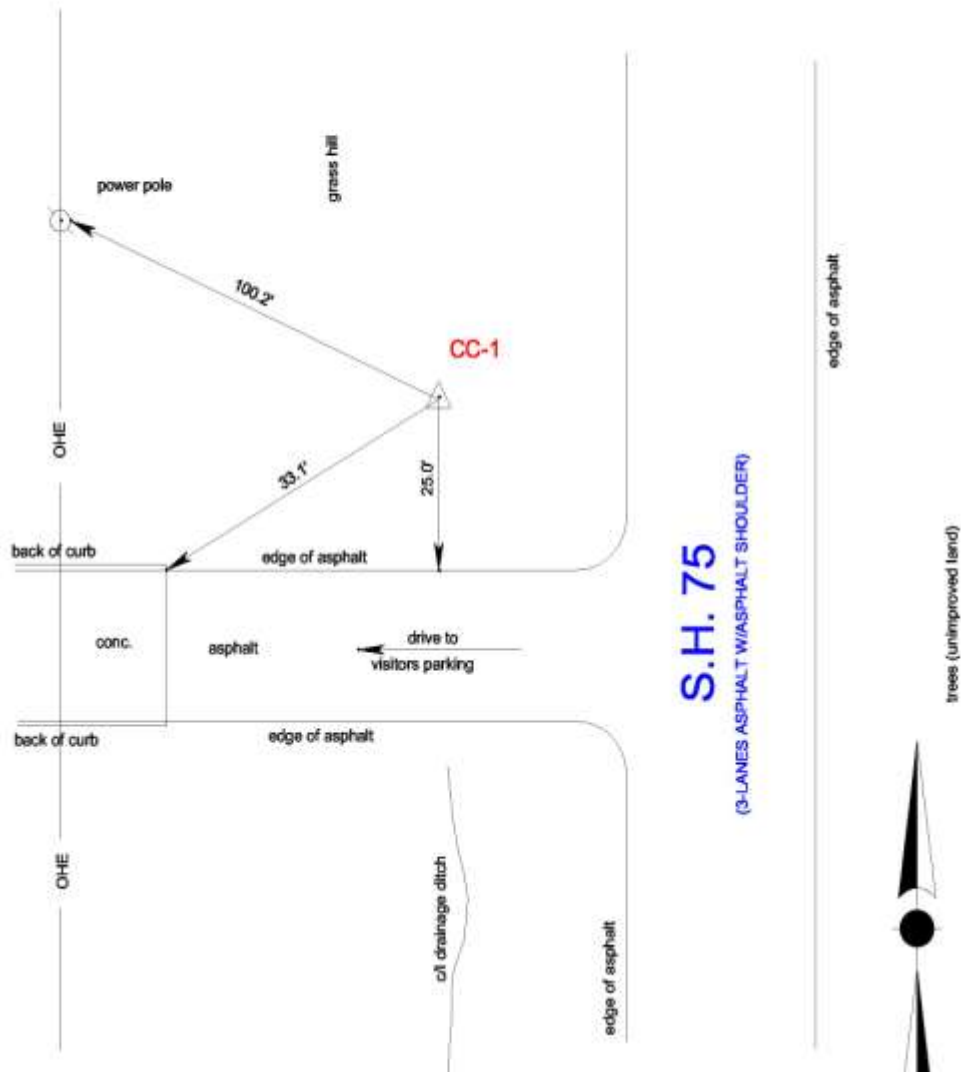
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WILLIS HIGH SCHOOL



NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-1		COUNTY: MONTGOMERY	
State Plane Coords: N = 10139769.824		E = 3827594.381	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 309.58'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF U.S. 75 & NORTH SIDE OF ENTRANCE TO WILLIS HIGH SCHOOL VISITORS PARKING LOT NORTH OF F.M. 830.			
File: CC-1.DGN	Date: 4/27/99	Job No.: 99-02-4604	

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-1 Azimuth

PHOTO DATE: 3/17/99

DESCRIPTION: Looking north along S.H. 75 toward Camp Silver Springs Rd. and F.M. 830.



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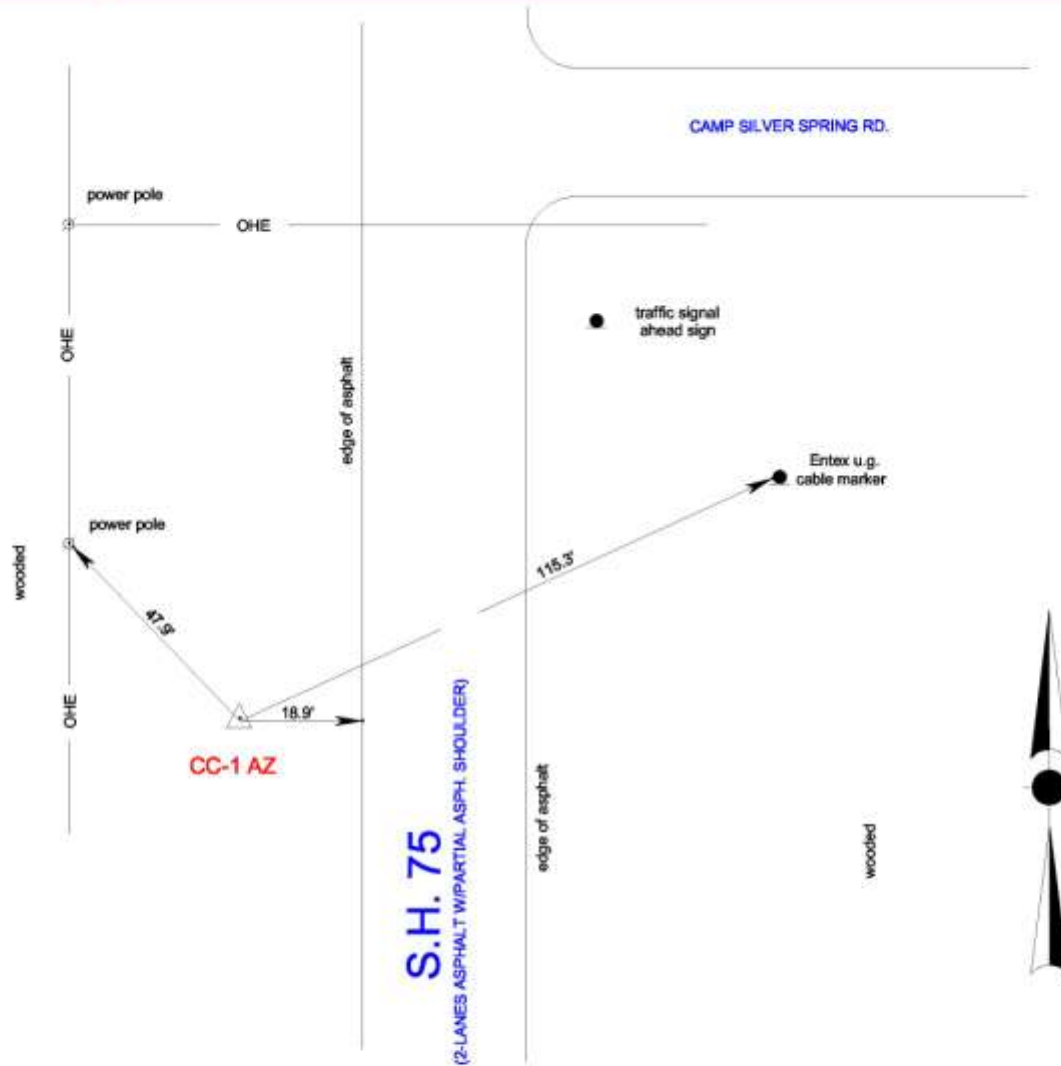
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-1 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10138348.98		E = 3827292.25	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 296.9'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF S.H. 75			
SOUTH OF F.M. 830 & CAMP SILVER SPRINGS RD.			
File: CC-1_AZ.DGN	Date: 4/27/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-2 Control Point

PHOTO DATE: 3/17/99

DESCRIPTION: Looking north along S.H. 75 toward picnic area and new building (under construction).



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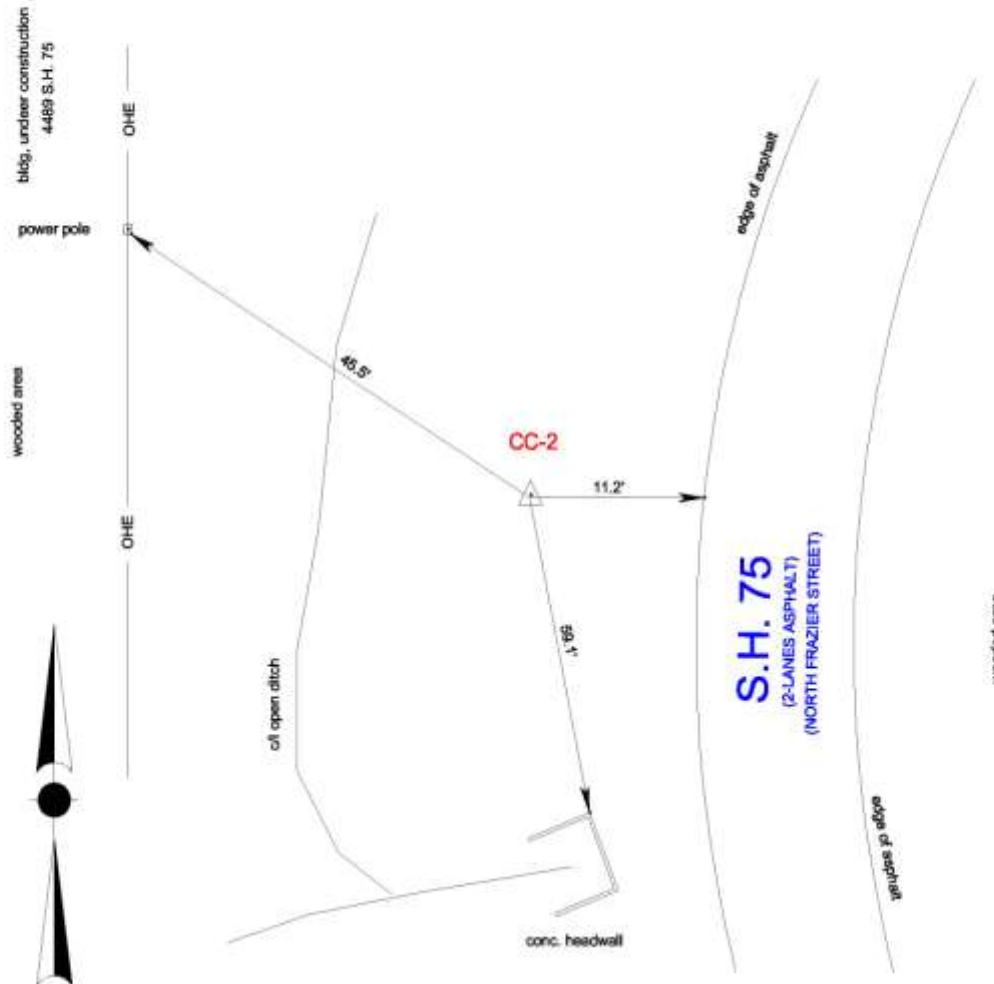
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-2		COUNTY: MONTGOMERY	
State Plane Coords: N = 10132600.510		E = 3826832.821	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 278.6'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF S.H. 75			
NORTH OF CONROE BETWEEN LEAGUE LINE ROAD AND F.M. 830 APPROX.			
0.25 MILE SOUTH OF STATE PICNIC AREA AND HISTORICAL MARKER			
AND SOUTH OF TRYON EVERGREEN BAPTIST ASSOC. BLDG. (UNDER			
CONSTRUCTION) AT 4489 S.H. 75 (NORTH FRAZIER STREET.)			
File: CC-2.DGN	Date: 4/27/99	Job No.: 99-02-4604	
			RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-2 Azimuth

PHOTO DATE: 3/17/99

DESCRIPTION: Looking south along old roadway toward picnic area and S.H. 75



Dallas - Houston - San Antonio

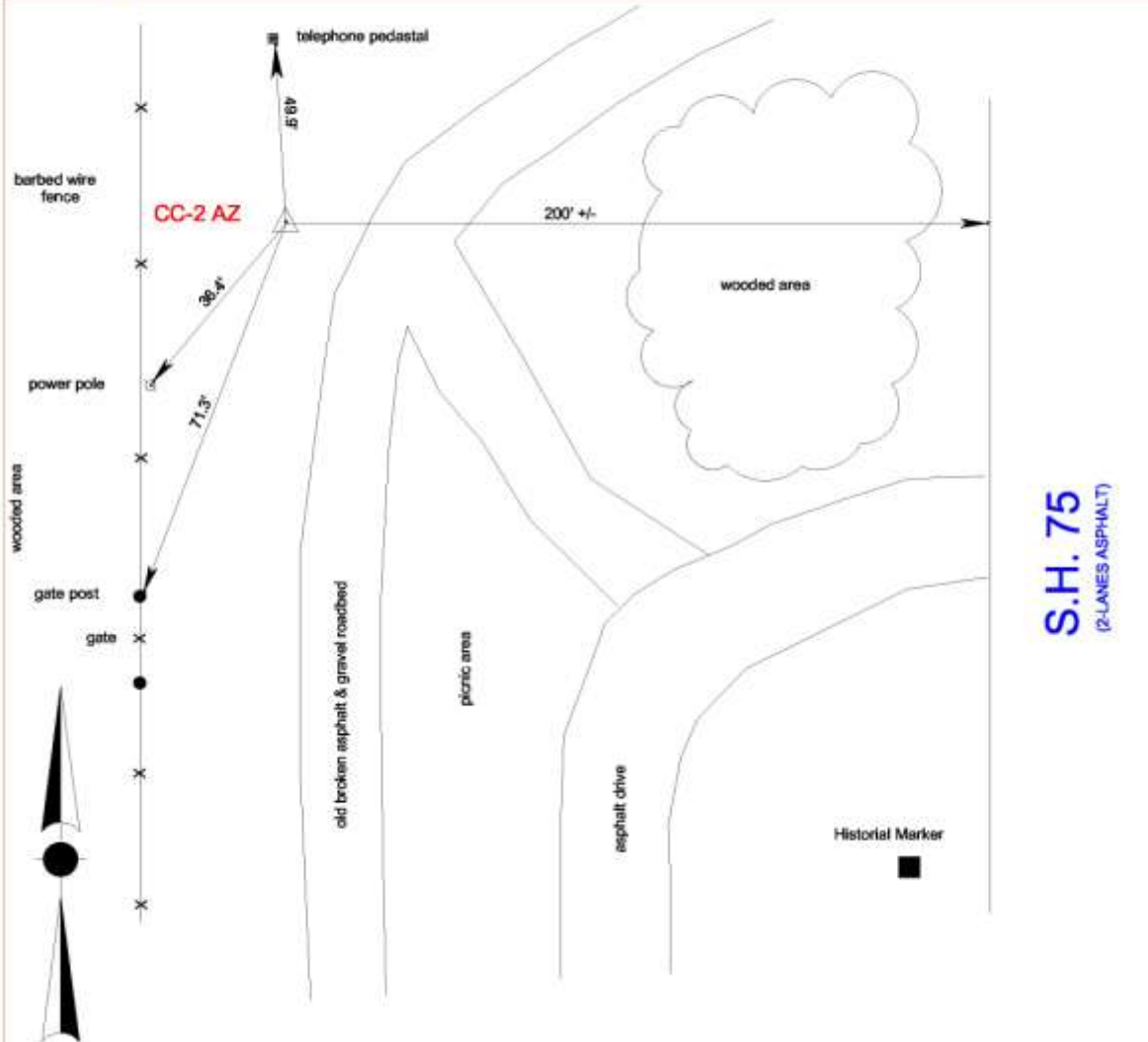
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-2 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10134283.57		E = 3826408.22	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 289.8'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF S.H. 75			
NORTH OF CONROE BETWEEN BARBED WIRE FENCE AND OLD ROAD			
BED RUNNING BEHIND PICNIC AREA SOUTH OF F.M. 830 AND NORTH			
OF LEAGUE LINE ROAD.			
File: CC-2_AZ.DGN	Date: 4/27/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-3 Control Point

PHOTO DATE: 3/17/99

DESCRIPTION: Looking southeast toward Conroe Outlet Mall from League Line Road.



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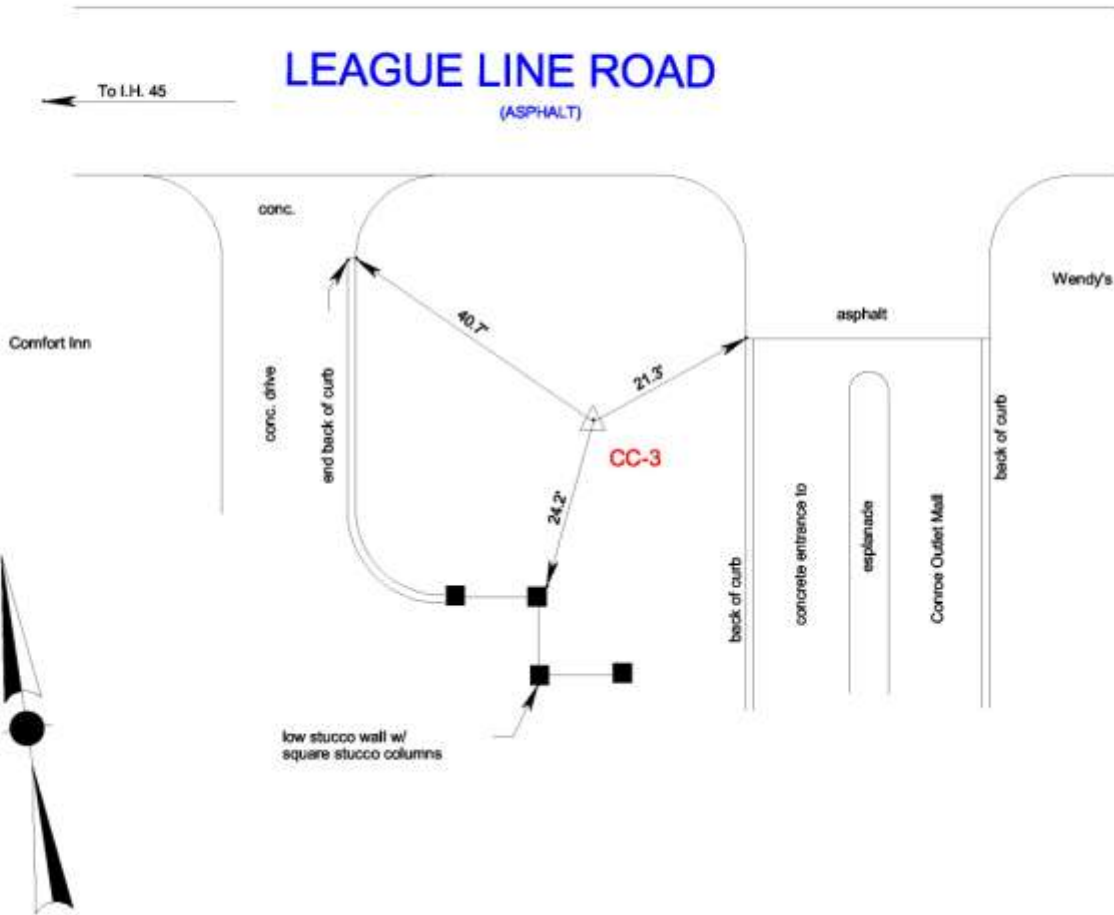
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under construction



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-3		COUNTY: MONTGOMERY	
State Plane Coords: N = 10130223.213		E = 3825946.998	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 271.72			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF LEAGUE			
LINE ROAD AND WEST SIDE OF ENTRANCE TO CONROE OUTLET MALL.			
File: CC-3.DGN	Date: 4/29/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-3 Azimuth

PHOTO DATE: 3/17/99

DESCRIPTION: Looking east along League Line Road toward I.H. 45.



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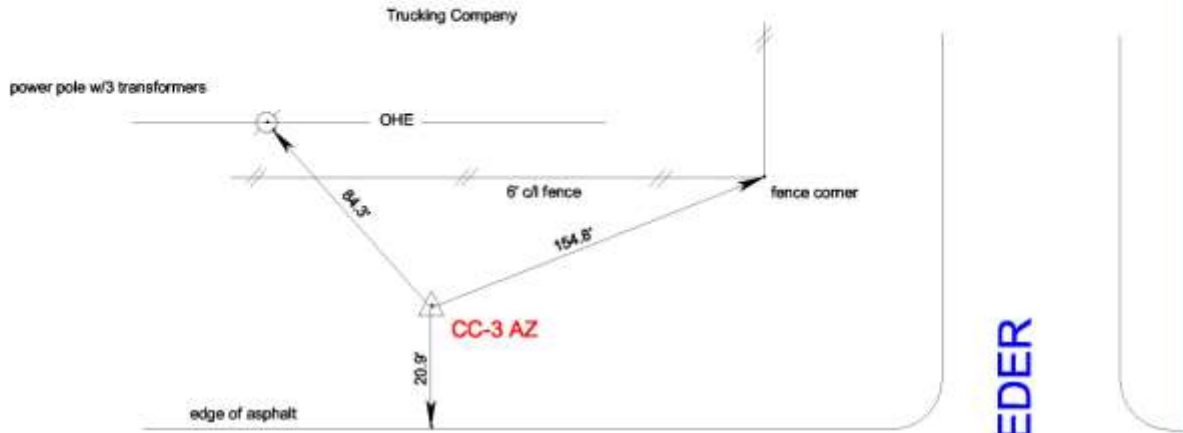


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LEAGUE LINE ROAD
 (2-LANE ASPHALT)

I.H. 45 S. BOUND FEEDER
 (2-WAY TRAFFIC ASPHALT)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-3 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10130605.06		E = 3824614.74	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 284.2'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF LEAGUE LINE ROAD WEST OF I.H. 45 ACROSS ROAD FROM CRACKER BARREL RESTAURANT.			
File: CC-3_AZ.DGN	Date: 4/29/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-4 Control Point

PHOTO DATE: 4/30/99

DESCRIPTION: Looking southeast from N. Frazier St. (U.S. Hwy. 75) toward Texas Eastern Transmission building and azimuth mark on Woodland Hills Drive.



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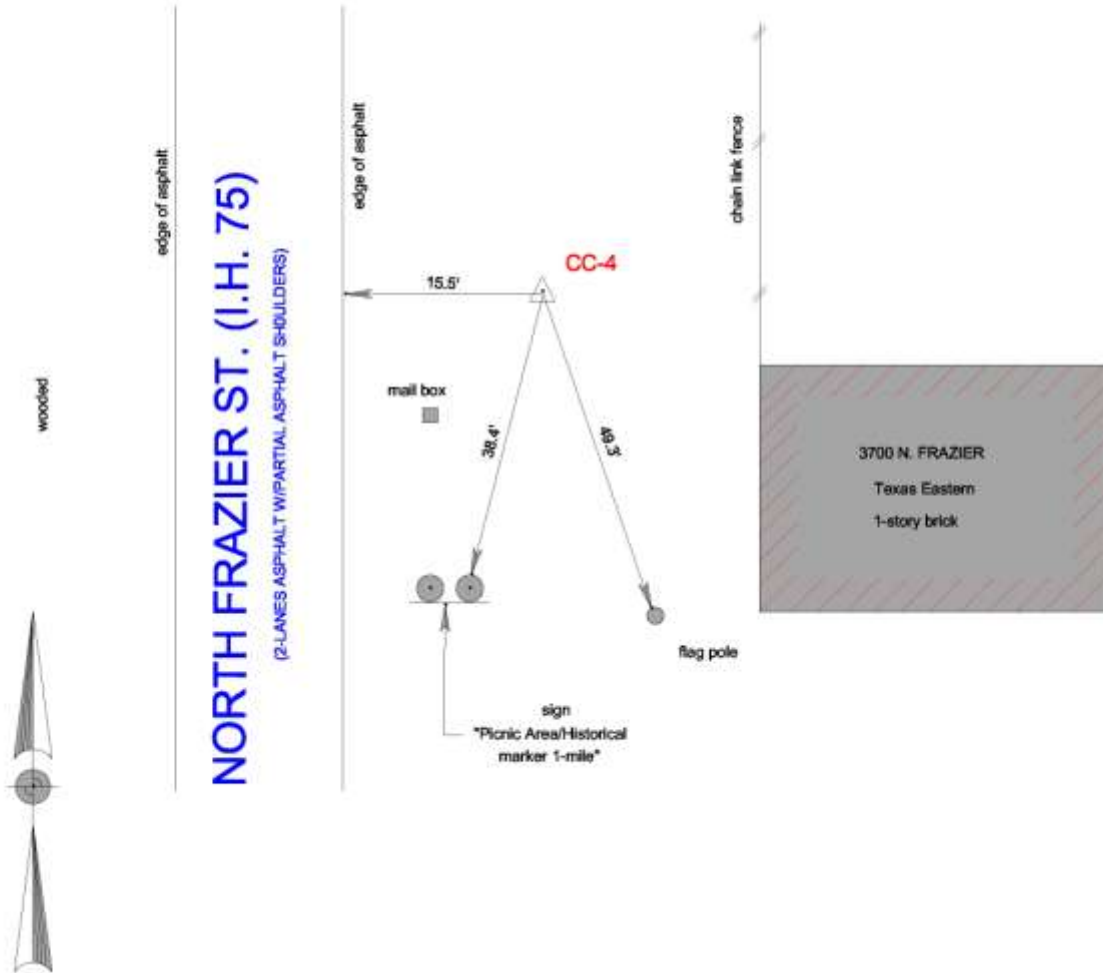
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-4		COUNTY: MONTGOMERY	
State Plane Coords: N = 10128369.194		E = 3828409.944	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 284.24'			
Description: SET BRASS DISK IN CONCRETE ON EAST SIDE OF NORTH FRAZIER STREET (S.H. 75) BETWEEN WOODLAND HILLS DR. AND LEAGUE LINE ROAD IN FRONT OF TEXAS EASTERN TRANSMISSION CORP. CONROE MAINTENANCE HEADQUARTERS AT 3700 NORTH FRAZIER STREET.			
File: CC-4.DGN	Date: 4/29/99	Job No.: 99-02-4604	

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-4 Azimuth

PHOTO DATE: 4/30/99

DESCRIPTION: Looking southwest across Woodland Hills Drive toward Woodland Hills Church of Christ building.



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NOTES: 1. Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-4 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10128202.03		E = 3829038.40	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 279.7'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF WOODLAND HILLS DRIVE EAST OF NORTH FRAZIER STREET (S.H. 75) ACROSS STREET FROM WOODLAND HILLS CHURCH OF CHRIST.			
File: CC-4_AZ.DGN	Date: 4/29/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-5 Control Point

PHOTO DATE: 4/30/99

DESCRIPTION: Looking north along southbound I.H. 45 feeder road toward intersection with Teas Nursery Road.



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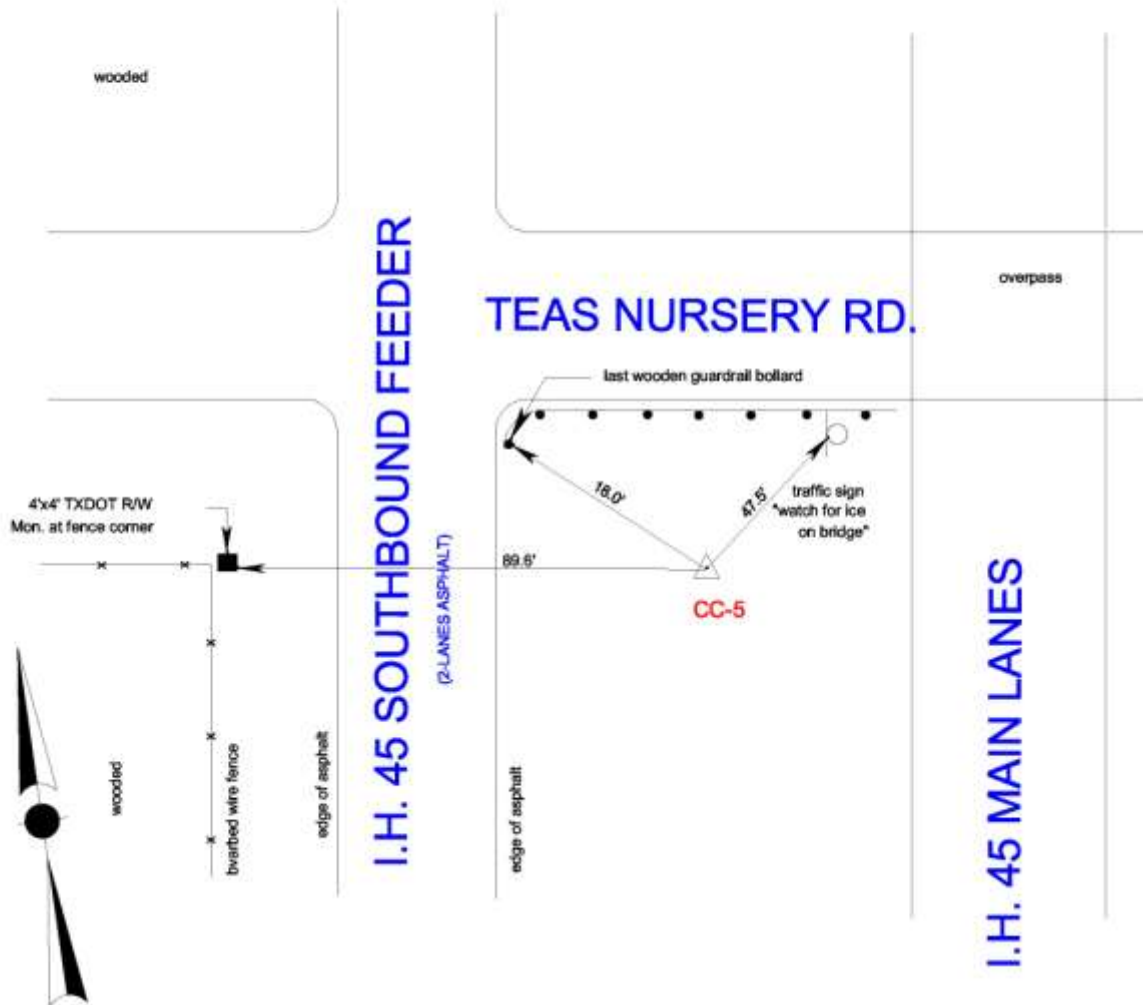
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-5		COUNTY: MONTGOMERY	
State Plane Coords: N = 10124751.345		E = 3825469.389	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 276.16'			
Description: SET BRASS DISK IN CONCRETE AT SOUTHEAST CORNER OF			
INTERSECTION OF I.H. - 45 SOUTHBOUND FEEDER ROAD W/TEAS			
NURSERY ROAD.			
File: CC-5.DGN	Date: 4/29/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-5 Azimuth

PHOTO DATE: 4/30/99

DESCRIPTION: Looking west along F.M. 3083 toward I.H. 45.



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LAND SURVEYORS

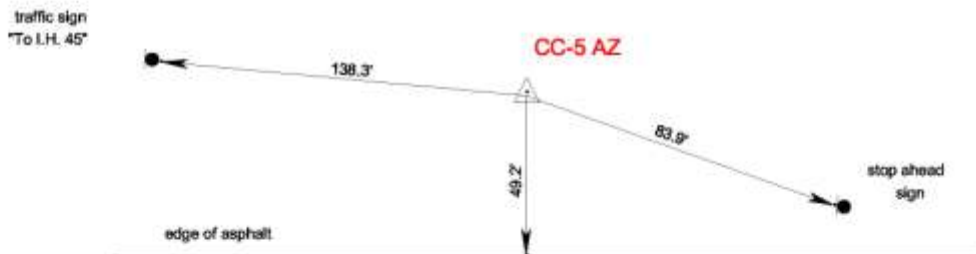
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GARDEN PARK CEMETERY

4' chain link fence



F.M. 3083 (TEAS NURSERY RD.)

(2-LANES ASPHALT W/ASPH. SHOULDERS)

edge of asphalt

wooded



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-5 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10124407.51		E = 3826658.33	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 276.2'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF F.M. 3083			
(TEAS NURSERY RD.) APPROX. 0.2 MILE EAST OF I.H. 45 IN FRONT			
OF GARDEN PARK CEMETERY.			
File: CC-5_AZ.DGN	Date: 4/29/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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L A N D S U R V E Y O R S

MONUMENT NO. CC-6 Control Point

PHOTO DATE: 3/22/99

DESCRIPTION: Looking south from lake toward concession stand near No. 6 green at Wedgewood Golf Course.



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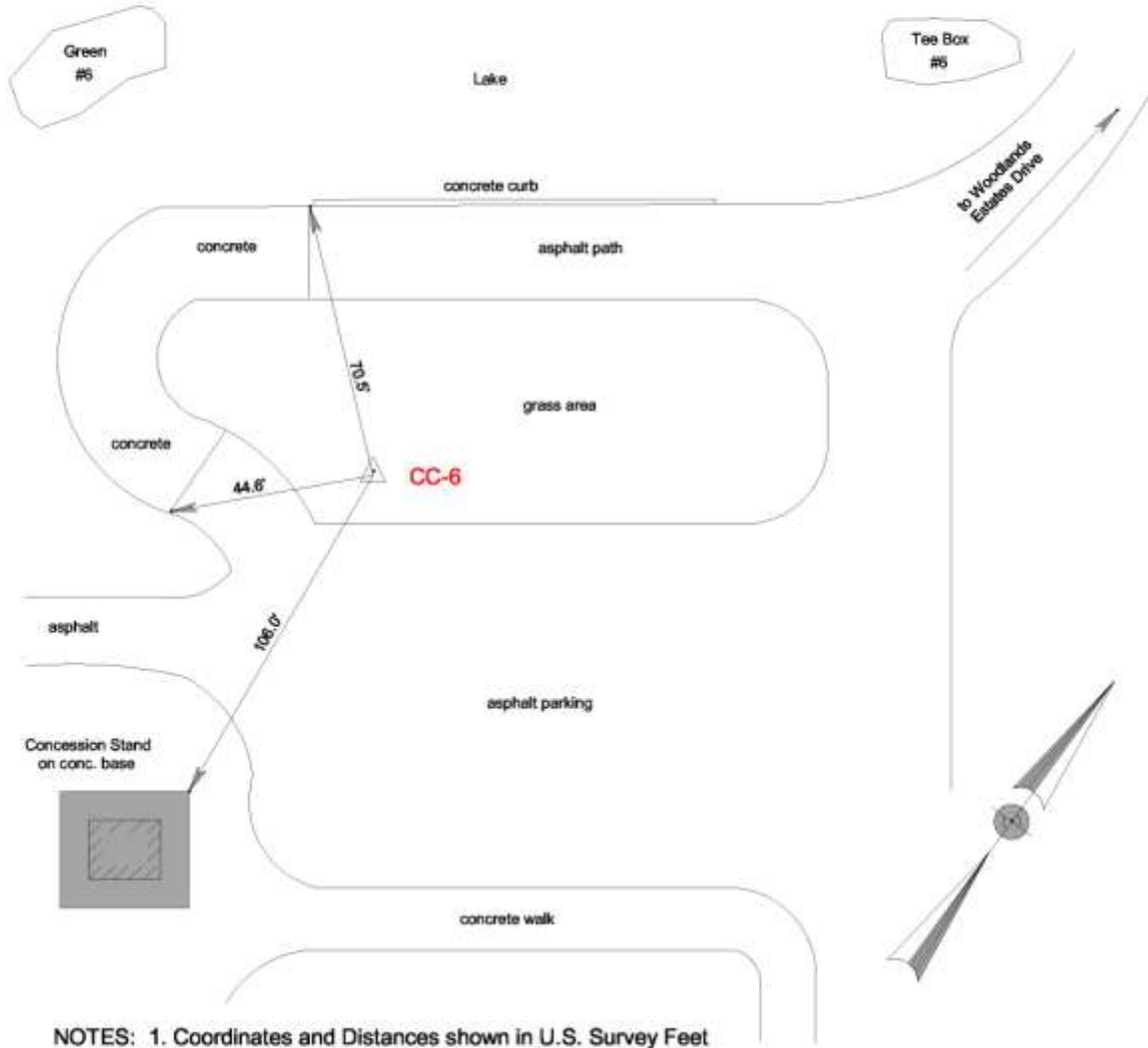
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-6		COUNTY: MONTGOMERY	
State Plane Coords: N = 10123409.762		E = 3814504.291	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 246.80			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF ASPHALT PARKING LOT, SOUTH OF A LAKE BEING THE FAIRWAY OF HOLE NO.6 OF WEDGEWOOD GOLF COURSE NORTH OF FRAME CONCESSION STAND.			
File: CC-6.DGN	Date: 4/27/99	Job No.: 99-02-4604	

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-6 Azimuth

PHOTO DATE: 3/22/99

DESCRIPTION: Looking north along Woods Estates Drive toward Wedgewood Blvd.



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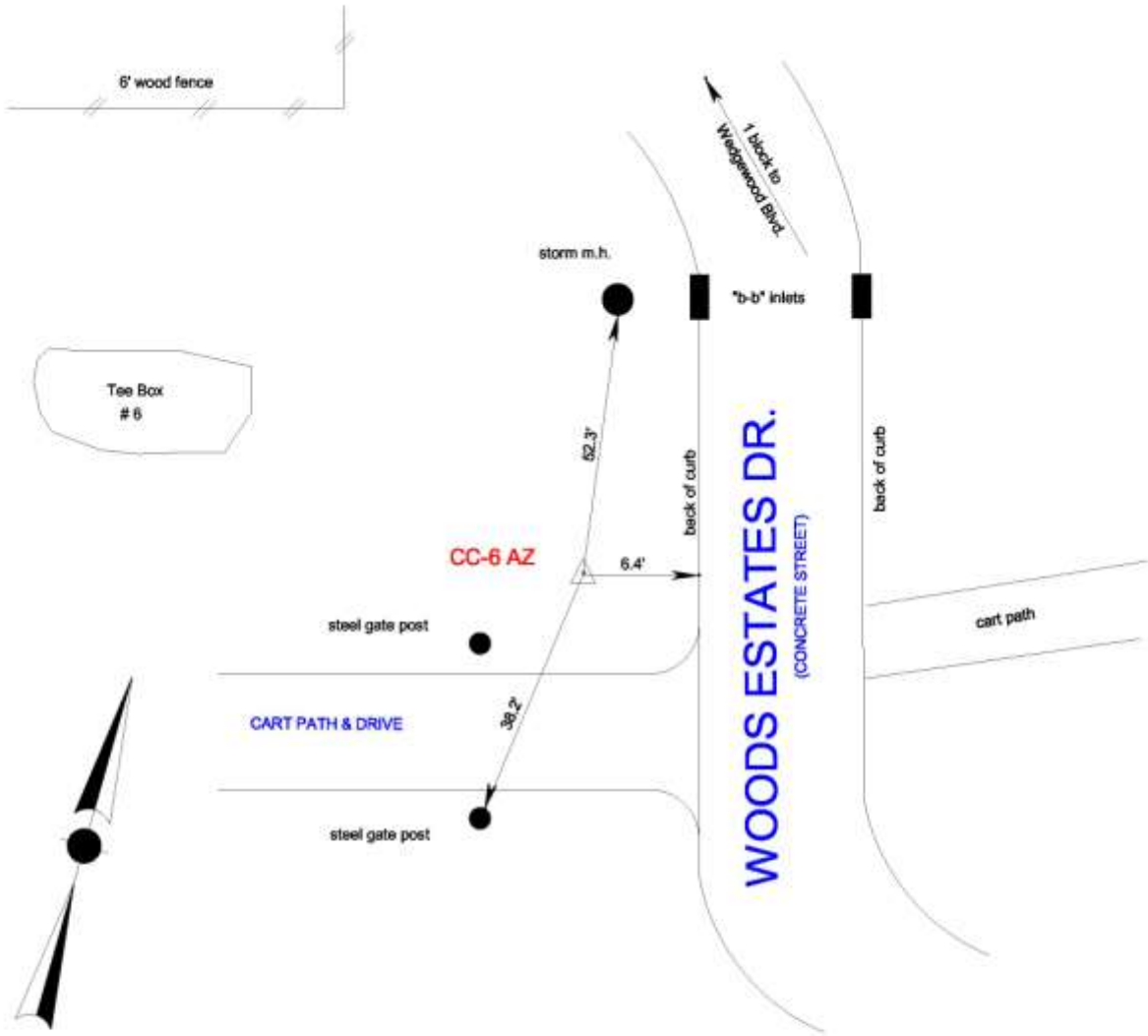
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-6 AZ	COUNTY: MONTGOMERY		
State Plane Coords:	N = 10123858.04	E = 3814750.98	
Scale Factor:	1.00003	Zone:	CENTRAL
		Datum:	NAD83
Elevation (NAVD88/91 Datum) 250.2'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF WOODS			
ESTATES DRIVE, SOUTH OF WEDGEWOOD BLVD. & APPROX. 100' NORTH			
EAST OF HOLE NO. 6 TEE BOX AT WEDGEWOOD GOLF COURSE.			
File: CC-6_AZ.DGN	Date: 4/27/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-7 Control Point

PHOTO DATE: 3/22/99

DESCRIPTION: Looking west along S.H. Hwy. 105 toward La Salle Avenue.



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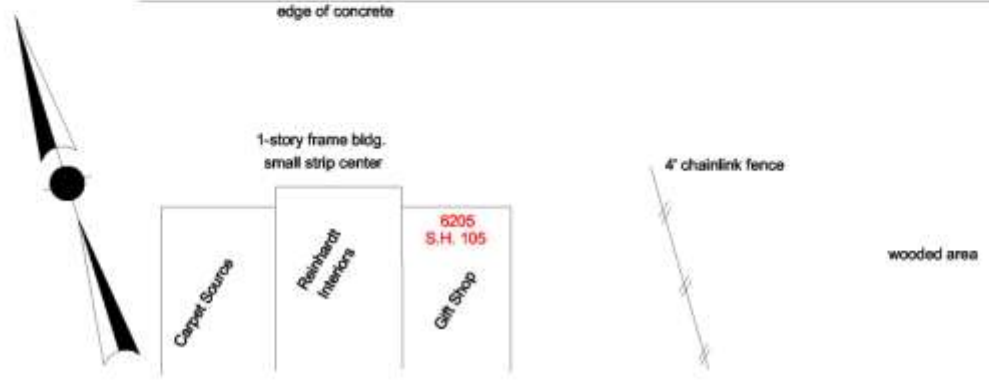
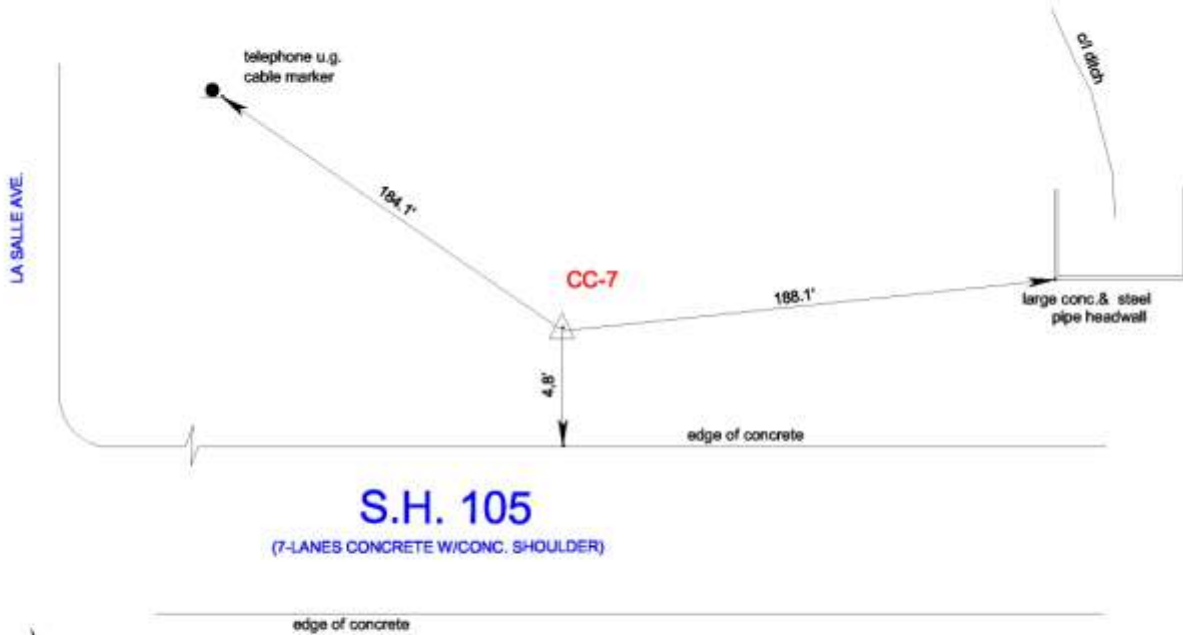
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-7		COUNTY: MONTGOMERY	
State Plane Coords: N = 10121063.380		E = 3810569.433	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 157.09			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF			
S.H. 105 APPROX. 0.1 MILE EAST OF LA SALLE AVE. (ENTRANCE TO			
WESTLAKE SUBDIVISION) & ACROSS HIGHWAY FROM 6205 S.H. 105.			
File: CC-7.DGN	Date: 4/27/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-7 Azimuth

PHOTO DATE: 3/22/99

DESCRIPTION: Looking west along S.H. Hwy. 105 toward San Jacinto River bridge.



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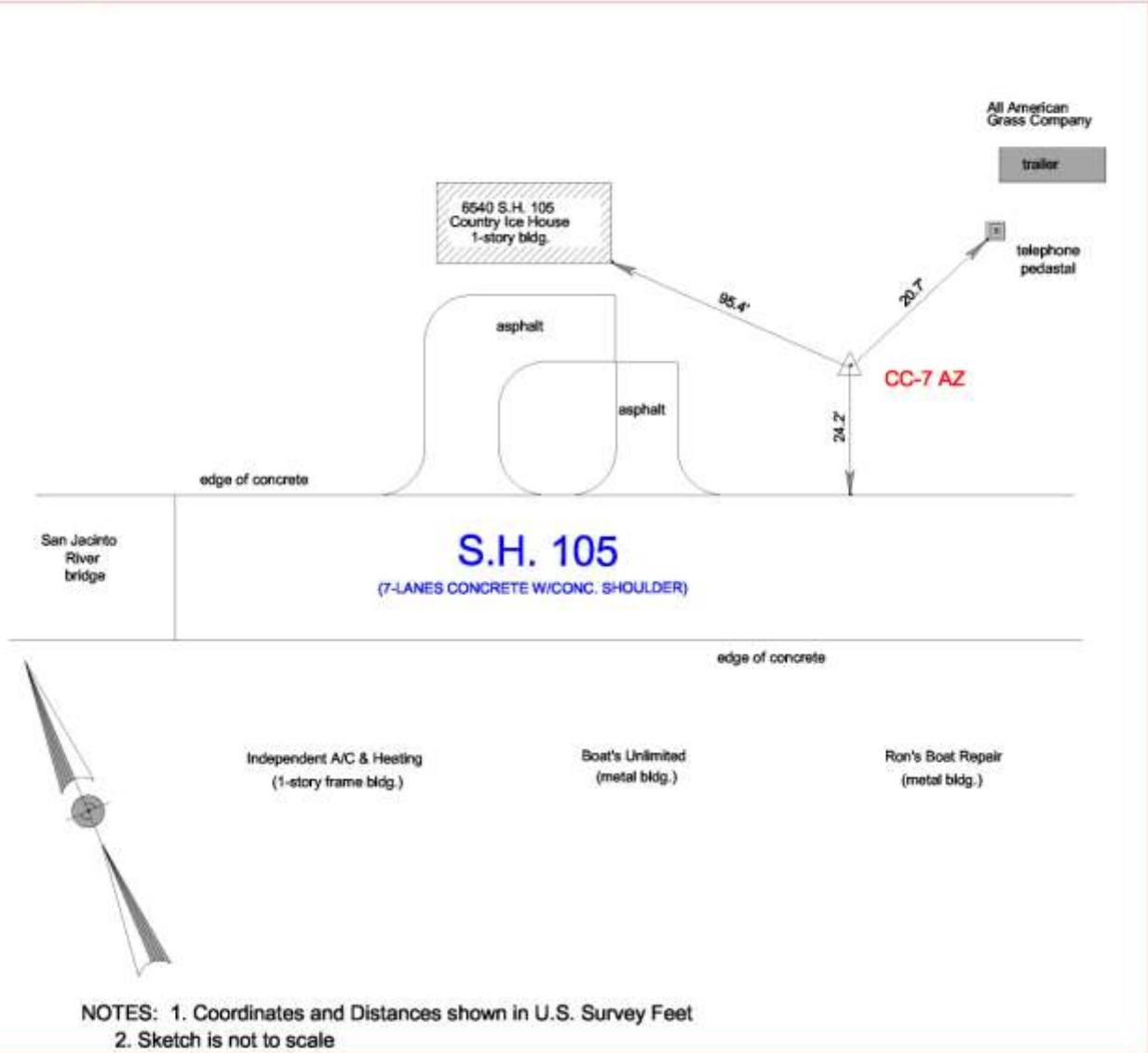
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Conroe Marker No.: CC-7 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10120968.53		E = 3808832.35	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 156.1'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF S.H. 105			
JUST EAST OF SAN JACINTO RIVER BRIDGE.			
File: CC-7_AZ.DGN	Date: 4/27/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-8 Control Point

PHOTO DATE: 3/22/99

DESCRIPTION: Looking southeast from McDade Park toward F.M. 2854 bridge over the San Jacinto River.



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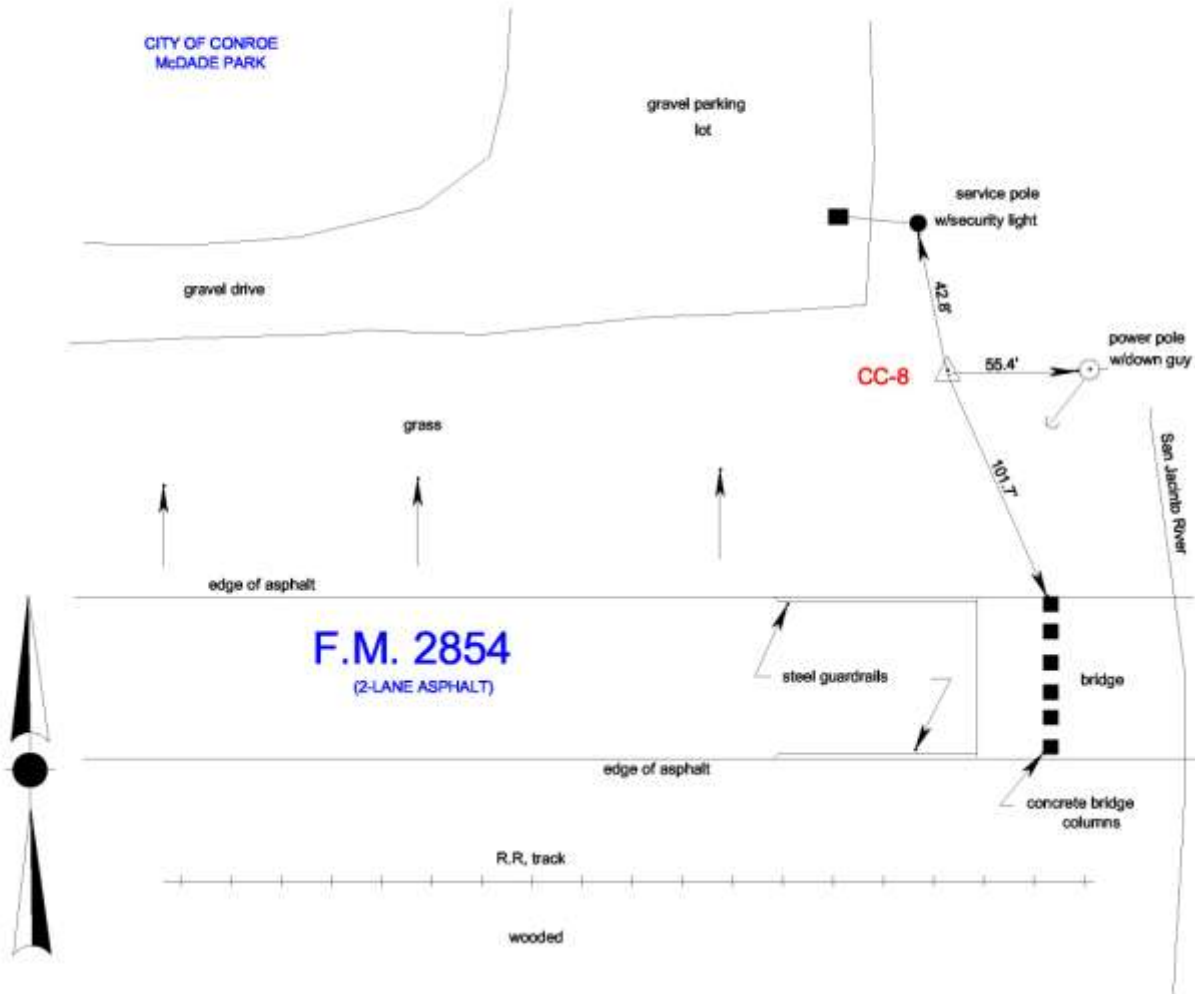
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-8		COUNTY: MONTGOMERY	
State Plane Coords: N = 10111212.711		E = 3817414.363	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 138.01'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF			
F.M. 2854 NEAR WEST HIGH BANK OF SAN JACINTO RIVER AND			
SOUTHEAST CORNER OF McDADE PARK WEST OF WEST LOOP 336.			
File: CC-8.DGN	Date: 5/06/99	Job No.: 99-02-4604	
			RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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L A N D S U R V E Y O R S

MONUMENT NO. CC-8 Azimuth

PHOTO DATE: 3/22/99

DESCRIPTION: Looking northeast from F.M. 2854 toward Drew Lane west of McDade Park.



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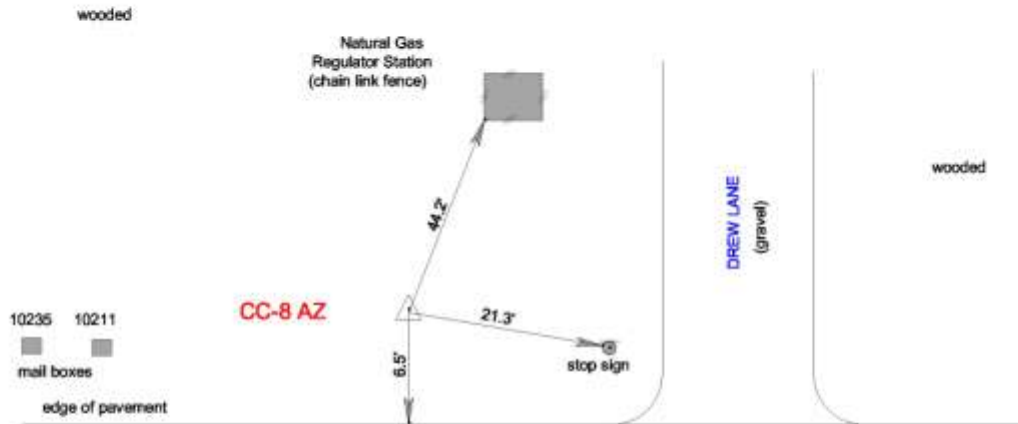
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LAND SURVEYORS

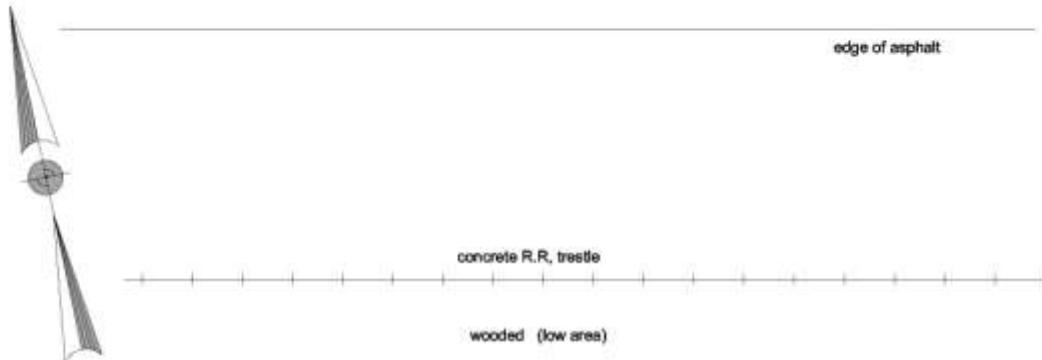
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F.M. 2854 (2-LANES ASPHALT)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-8 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10111247.89		E = 3815656.65	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 140.6'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF			
F.M. 2854 AND WEST SIDE OF DREW LANE APPROX. 0.2 MILE WEST OF			
McDADE CITY PARK.			
File: CC-8_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-9 Control Point

PHOTO DATE: 3/22/99

DESCRIPTION: Looking east across W. Davis Street (S.H. 105) toward Conroe High School.



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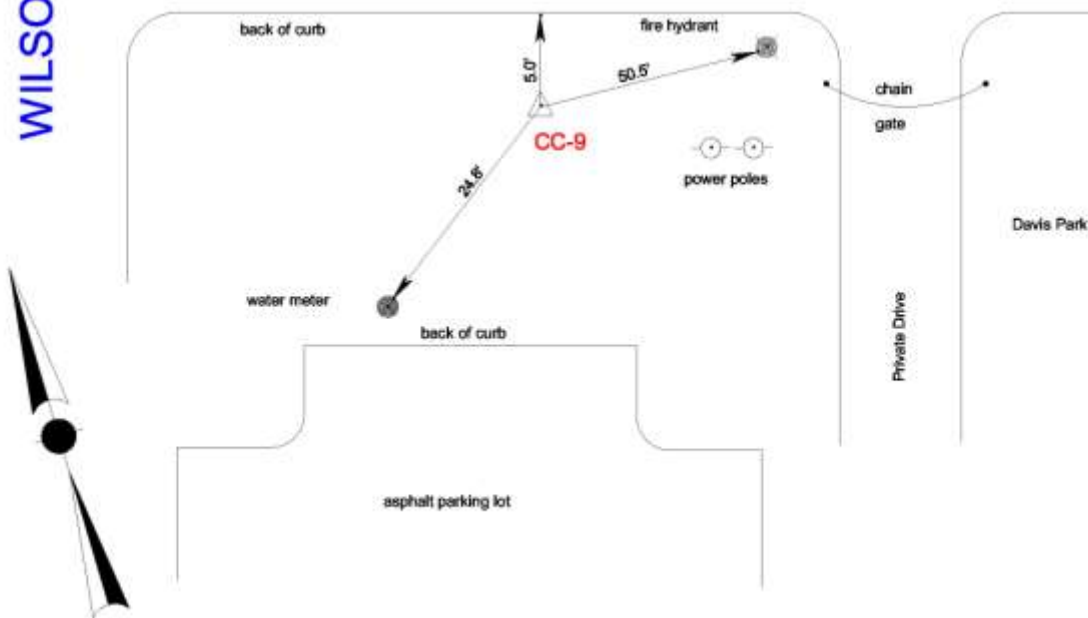
WILSON ROAD

CONROE HIGH SCHOOL

back of curb

S.H. 105 (WEST DAVIS STREET)

(5-LANES ASPHALT W/ASPHALT SHOULDERS)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-9		COUNTY: MONTGOMERY	
State Plane Coords: N = 10113916.050		E = 3825303.434	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 237.09'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF			
WEST DAVIS STREET (S.H. 105), EAST OF WILSON ROAD ACROSS FROM			
CONROE HIGH SCHOOL.			
File: CC-9.DGN	Date: 5/06/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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Conroerp.crd

GPS DERIVED COORDINATE VALUES FOR CONROE RRP AND CC-9 (RESET) HOLDING CITY OF CONROE CONTROL POINTS CI-2, CI-3 AND CI-5 FIXED IN X, Y AND Z. SURVEYED: 10/15/99

CLARK-GEOGRAM SURVEYING COMPANY

10/18/1999

Original Coordinates on NAD 83 Geographic Coordinates
Translated Coordinates on NAD 83 State Plane Zone 4203,U.S. FOOT

NAME	INPUT	OUTPUT
CC-9 RESET	30 19 16.33785 N	10113869.16116 N
	095 29 10.89666 W	3825395.89249 E
Convergence		02 29 47.31566
Scale Factor		0.999951689
Elevation		238.12 Feet
CRRP	30 18 46.15691 N	10111210.07406 N
	095 27 29.81454 W	3834380.18049 E
Convergence		02 30 39.37891
Scale Factor		0.999953422
Elevation		307.18 Feet

NOTES: Output coordinates are Texas State Plane Grid, Central Zone. To convert to surface, multiply grid values by the project scale factor 1.00003.

Elevations are NAVD88/91 in U.S. Feet.

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-9 Azimuth

PHOTO DATE: 3/22/99

DESCRIPTION: Looking west along W. Davis Street (S.H. 105) toward Conroe High School.



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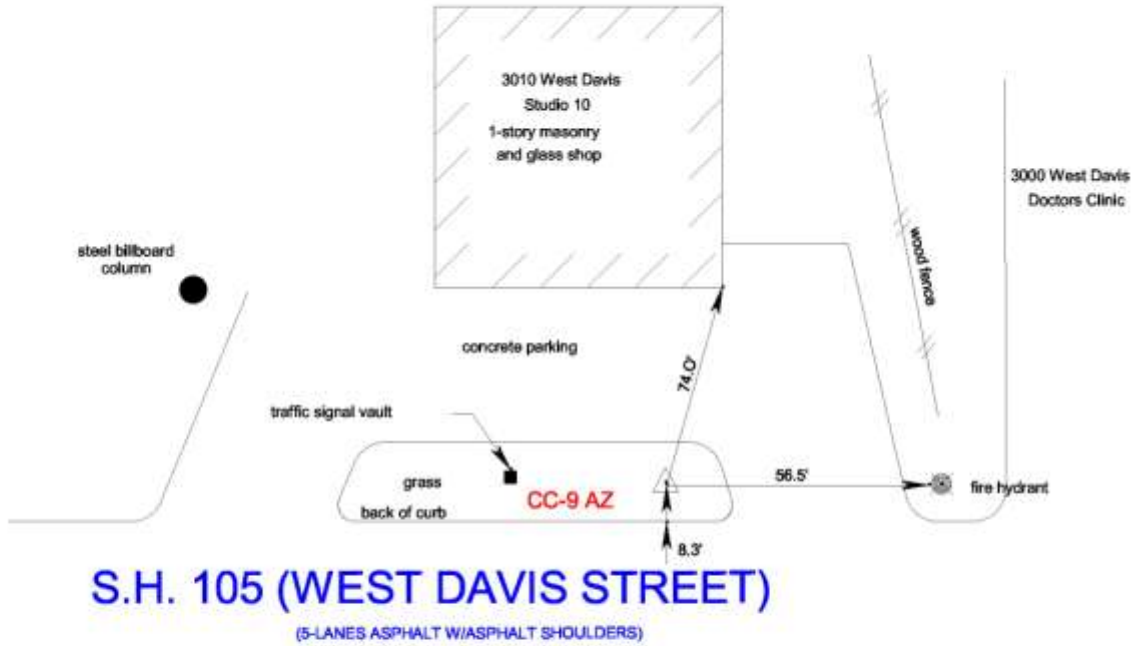
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Wood Forest National Bank

CAMELOT STREET

brick house 1-story

wooded lot

brick house 1-story

- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-9 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10113442.73		E = 3826608.26	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 237.7'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF			
WEST DAVIS STREET (S.H.105), EAST OF CONROE HIGH SCHOOL AND			
NEAR SOUTHEAST CORNER OF STUDIO 10 DRESS SHOP AT 3010			
WEST DAVIS STREET.			
File: CC-9 AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	
			RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-10 Control Point

PHOTO DATE: 3/22/99

DESCRIPTION: Looking east along N. Loop 336 toward I.H. 45.



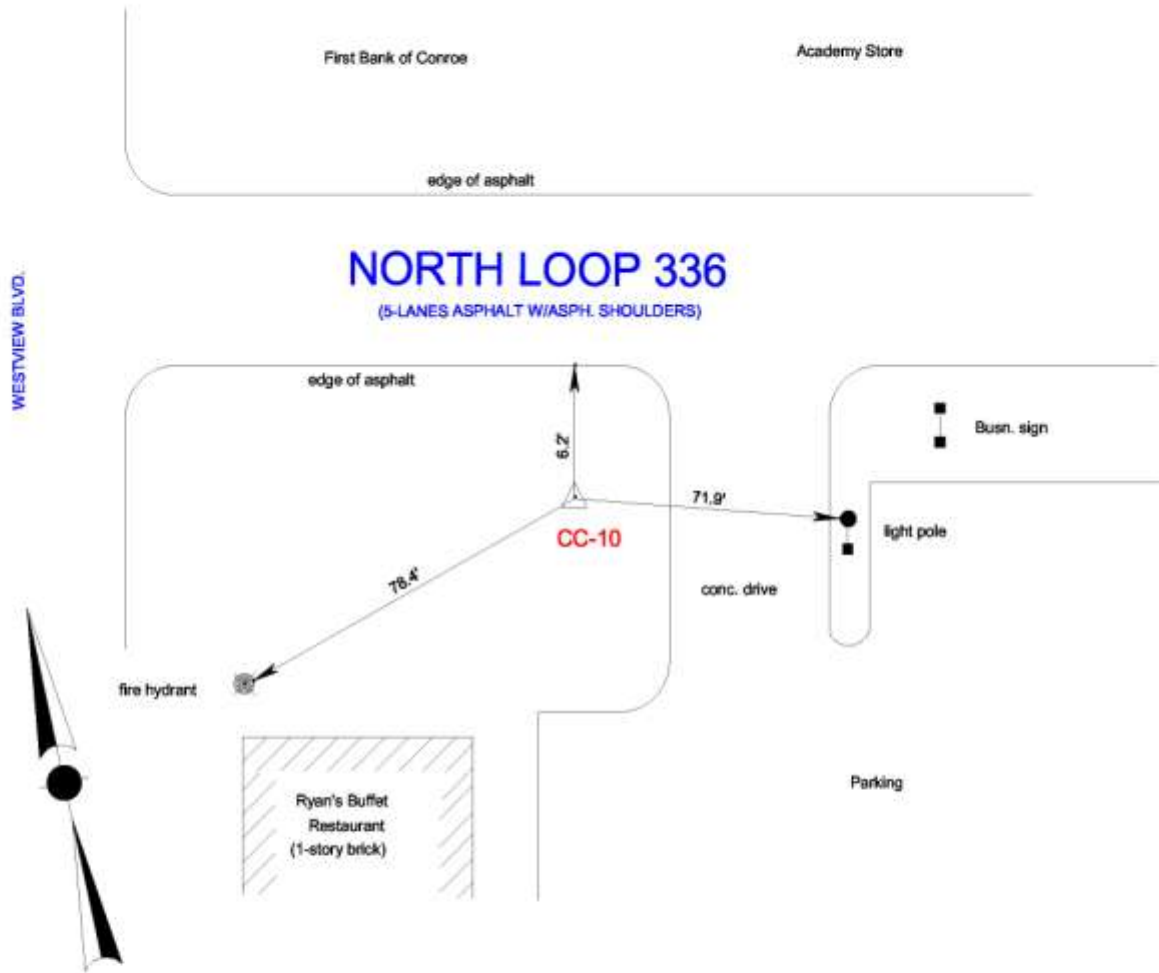
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-10	COUNTY: MONTGOMERY		
State Plane Coords:	N = 10117961.462	E = 3826525.706	
Scale Factor:	1.00003	Zone:	CENTRAL
		Datum:	NAD83
Elevation (NAVD88/91 Datum) 231.66'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF NORTH			
LOOP 336 BETWEEN I.H. 45 AND WESTVIEW BLVD. ACROSS FROM			
FIRST BANK OF CONROE AND IN FRONT OF RYAN'S BUFFET RESTAURANT.			
File: CC-10.DGN	Date: 5/4/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-10 Azimuth

PHOTO DATE: 3/22/99

DESCRIPTION: Looking east along N. Loop 336 across creek channel toward Westview Blvd.



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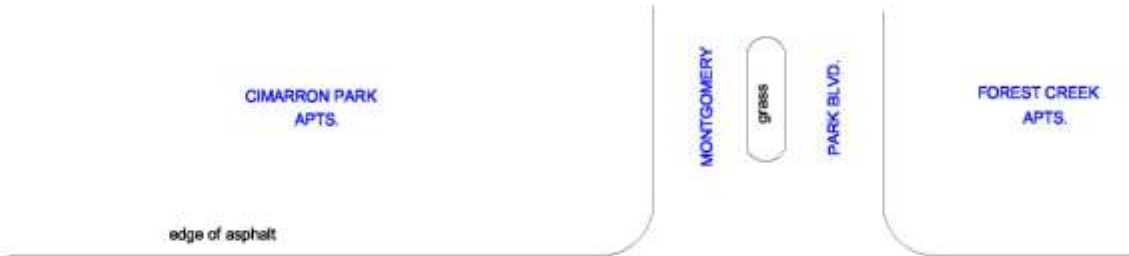
CLARK-GEOGRAM INC.

LAND SURVEYORS

Dallas - Houston - San Antonio

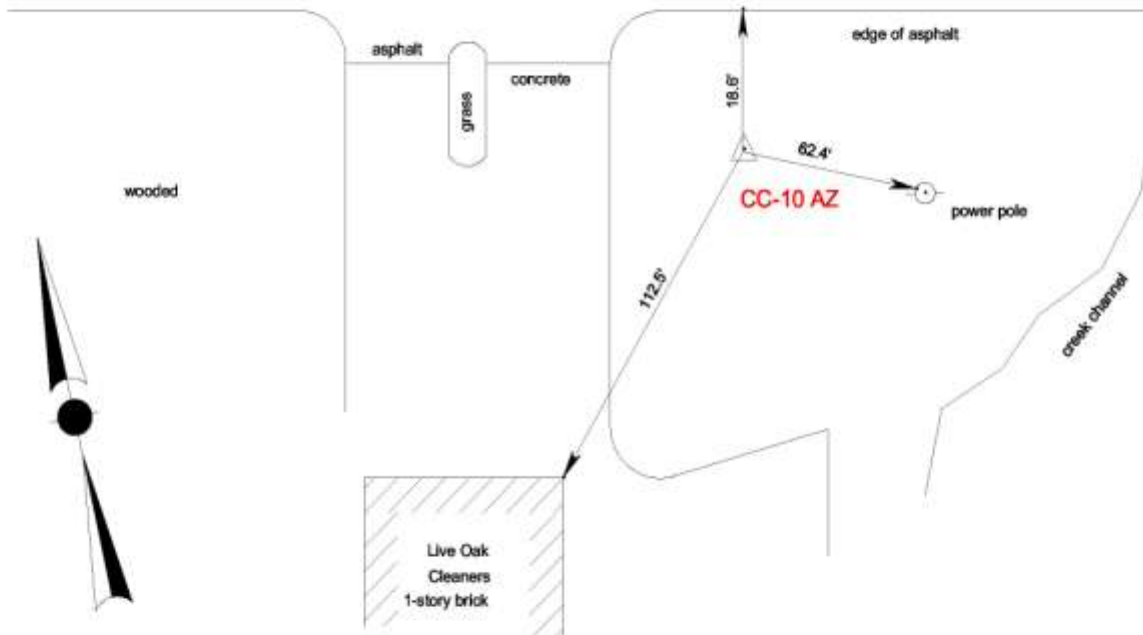
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NORTH LOOP 336

(4-LANES ASPHALT W/ASPH. SHOULDERS)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-10 AZ	COUNTY: MONTGOMERY		
State Plane Coords:	N = 10117465.13	E = 3825032.40	
Scale Factor:	1.00003	Zone:	CENTRAL
		Datum:	NAD83
Elevation (NAVD88/91 Datum) 201.7'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF NORTH			
LOOP 336 WEST OF WESTVIEW BLVD., NEAR NORTHEAST CORNER			
OF LIVE OAK CLEANERS AT 1801 NORTH LOOP 336 AND ACROSS			
FROM FOREST CREEK APTS.			
File: CC-10_AZ.DGN	Date: 5/04/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938



CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-11 Control Point

PHOTO DATE: 3/22/99

DESCRIPTION: Looking east along F.M. 3083 toward Missouri Pacific RR crossing.



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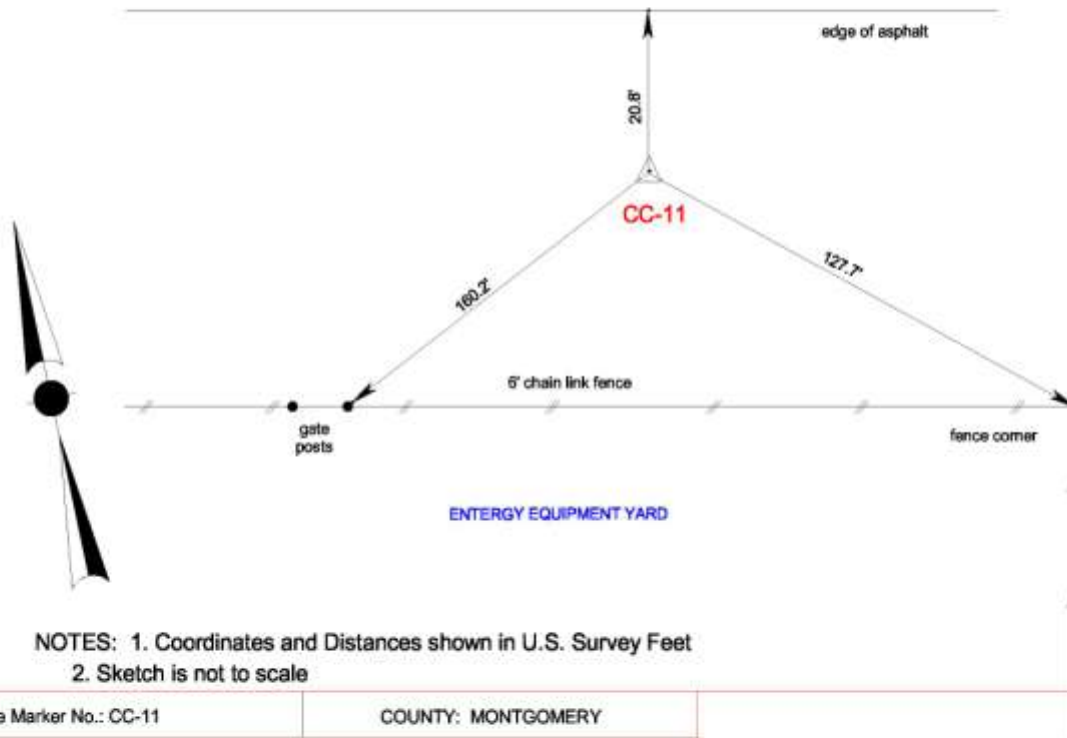
● Conroe City
Limits Sign

wooded

edge of asphalt

F.M. 3083

(2-LANES ASPHALT W/ASPH. SHOULDERS)



NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-11		COUNTY: MONTGOMERY	
State Plane Coords: N = 10124797.491		E = 3832099.395	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 240.38'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF F.M. 3083			
APPROX. 0.25 MILE WEST OF MO. PAC. R.R. AND NEAR NORTHEAST			
CORNER OF GULF STATES UTILITY ENERGY PROPERTY JUST EAST			
OF CONROE CITY LIMITS.			
File: CC-11.DGN	Date: 5/04/99	Job No.: 99-02-4604	

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-11 Azimuth

PHOTO DATE: 3/22/99

DESCRIPTION: Looking west along F.M. 3083 toward Missouri Pacific RR crossing.



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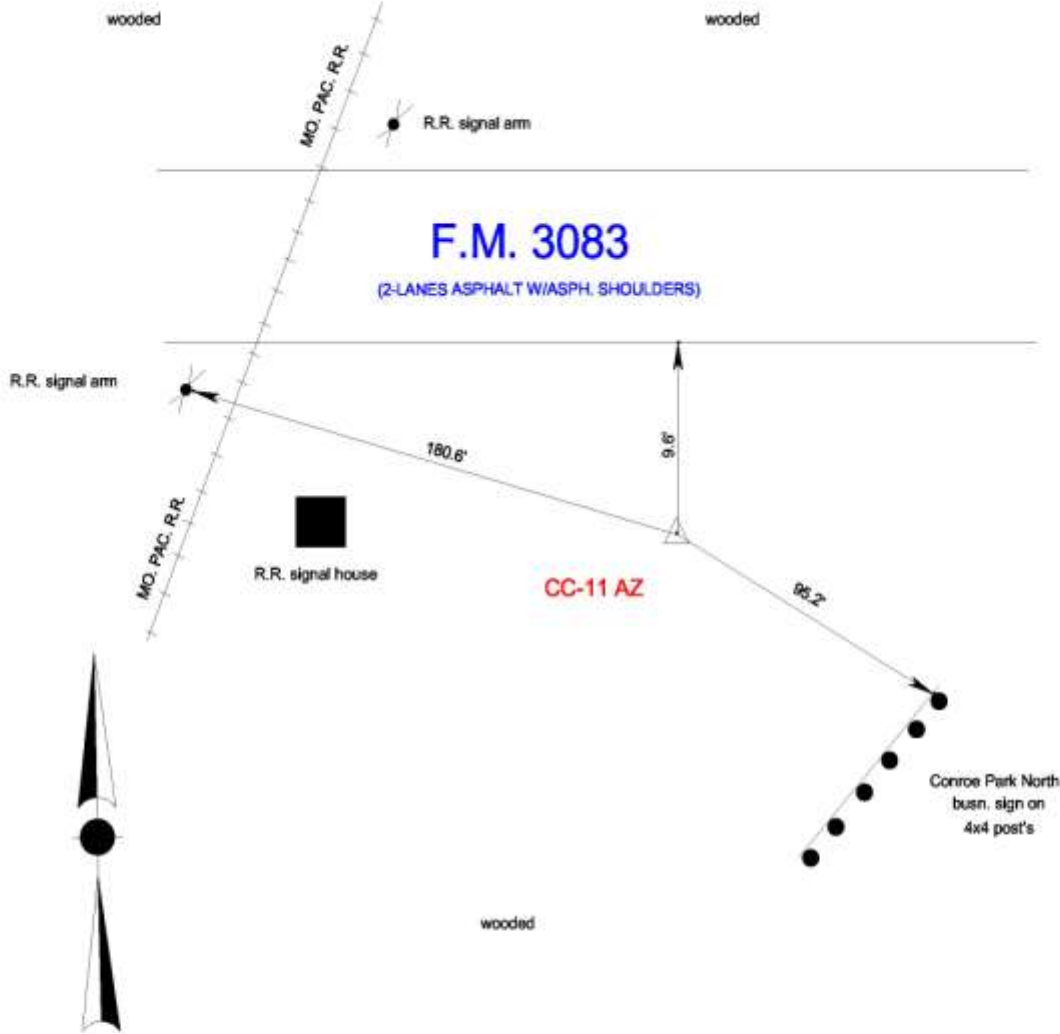
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- NOTES: 1. Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-11 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10124646.05		E = 3833764.86	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 228.2'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF F.M. 3083			
EAST OF NORTH FRAZIER (S.H. 75) AND APPROX. 150' EAST OF MO.			
PAC. RAILROAD TRACK.			
File: CC-11_AZ.DGN	Date: 5/04/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-12 Control Point

PHOTO DATE: 3/22/99

DESCRIPTION: Looking east along F.M. 3083 across road to Montgomery County
Fairgrounds toward F.M. 1484.



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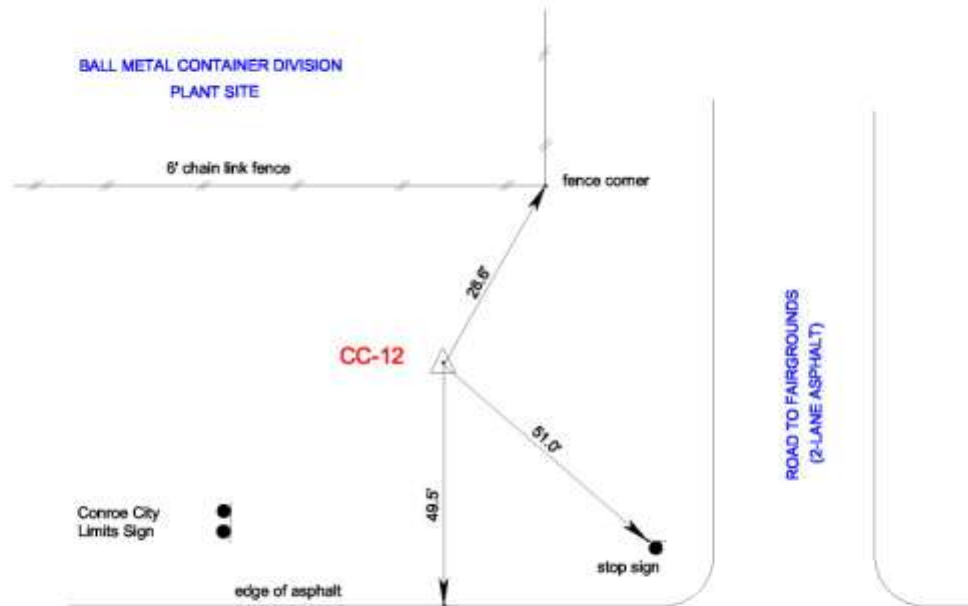
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F.M. 3083

(2-LANE ASPHALT W/ ASPHALT SHOULDER)

edge of asphalt

wooded

- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-12		COUNTY: MONTGOMERY	
State Plane Coords: N = 10124197.008		E = 3841095.053	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 229.42'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF F.M.			
3083 WEST OF ITS INTERSECTION WITH ASPHALT ROAD GOING TO			
MONTGOMERY COUNTY FAIRGROUNDS NEAR SOUTHEAST CORNER OF			
BALL METAL CONTAINER DIVISION PLANT SITE.			
File: CC-12.DGN	Date: 5/04/99	Job No.: 99-02-4604	

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-12 Azimuth

PHOTO DATE: 3/22/99

DESCRIPTION: Looking east along F.M. 3083 toward intersection with F.M. 1484.





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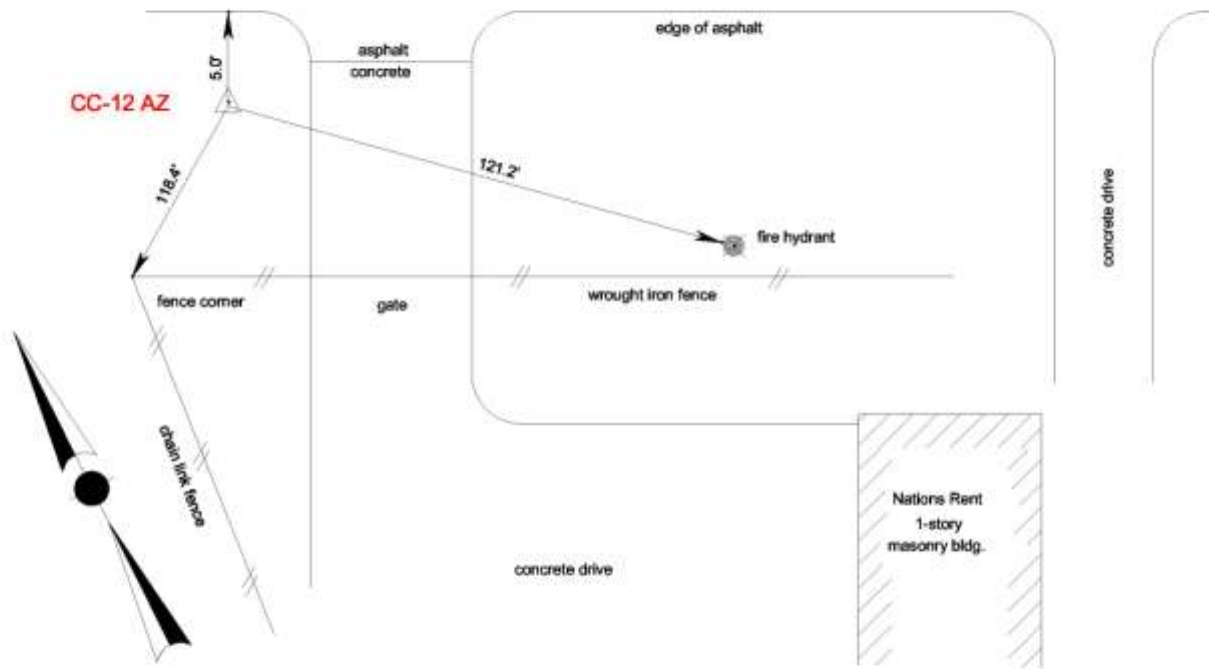
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wooded

edge of asphalt

F.M. 3083

(2-LANE ASPHALT W/ASPALT SHOULDERS)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-12 AZ	COUNTY: MONTGOMERY		
State Plane Coords:	N = 10122794.67	E = 3842530.89	
Scale Factor:	1.00003	Zone:	CENTRAL
		Datum:	NAD83
Elevation (NAVD88/91 Datum) 226.1'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF F.M. 3083			
JUST WEST OF ITS INTERSECTION W/F.M. 1484 AT THE WESTERN			
ENTRANCE TO THE NATIONS RENT PROPERTY.			
File: CC-12_AZ.DGN	Date: 5/04/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3936

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-13 Control Point

PHOTO DATE: 3/22/99

DESCRIPTION: Looking northwest along F.M. 3083 toward E. Loop 336.



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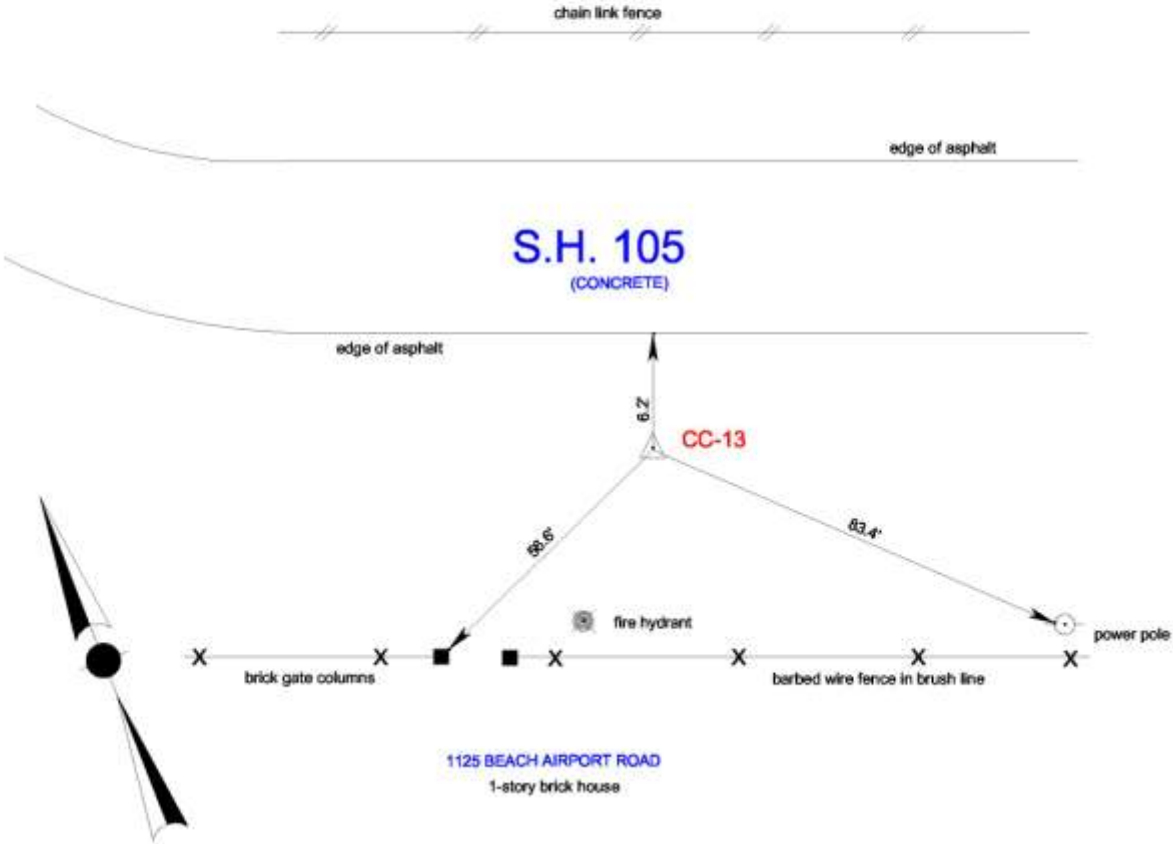
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DIAMOND FABRICATION
 1150 BEACH AIRPORT ROAD
 (F.M. 3083)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-13		COUNTY: MONTGOMERY	
State Plane Coords: N = 10119648.297		E = 3844226.078	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 244.55'			
Description: SET BRASS DISK IN CONCRETE ON SOUTHWEST SIDE OF			
F.M. 3083 BETWEEN AIRLINE DR. AND EAST LOOP 336 ACROSS ROAD			
FROM DIAMOND FAB. SITE AT 1150 BEACH AIRPORT ROAD.			
File: CC-13.DGN	Date: 5/04/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-13 Azimuth

PHOTO DATE: 3/22/99

DESCRIPTION: Looking northwest along F.M. 3083 across Airline Dr. toward E. Loop 336.



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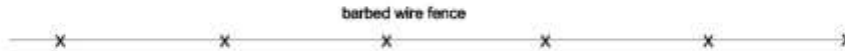
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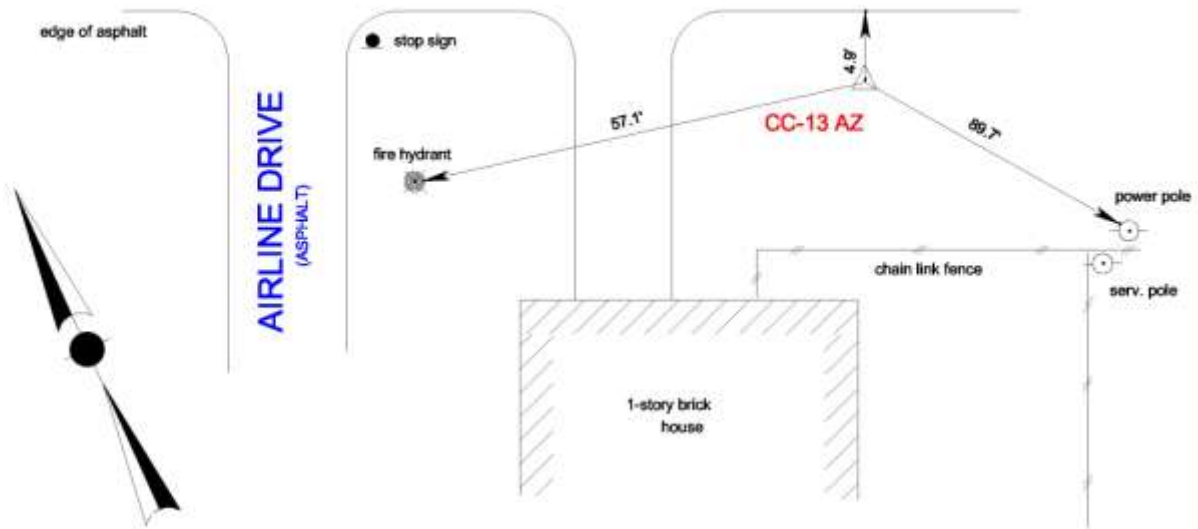
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edge of asphalt

F.M. 3083

(2-LANE ASPHALT W/ASPHALT SHOULDERS)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-13 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10118609.40		E = 3844873.12	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 235.2'			
Description: SET BRASS DISK IN CONCRETE ON SOUTHWEST SIDE			
OF F.M. 3083 AND SOUTHEAST OF AIRLINE DRIVE.			
File: CC-13_AZ.DGN	Date: 5/04/99	Job No.: 99-02-4604	

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L A N D S U R V E Y O R S

MONUMENT NO. CC-14 Control Point

PHOTO DATE: 6/23/99

DESCRIPTION: Looking southeast along F.M. 3083 toward E. Loop 336.



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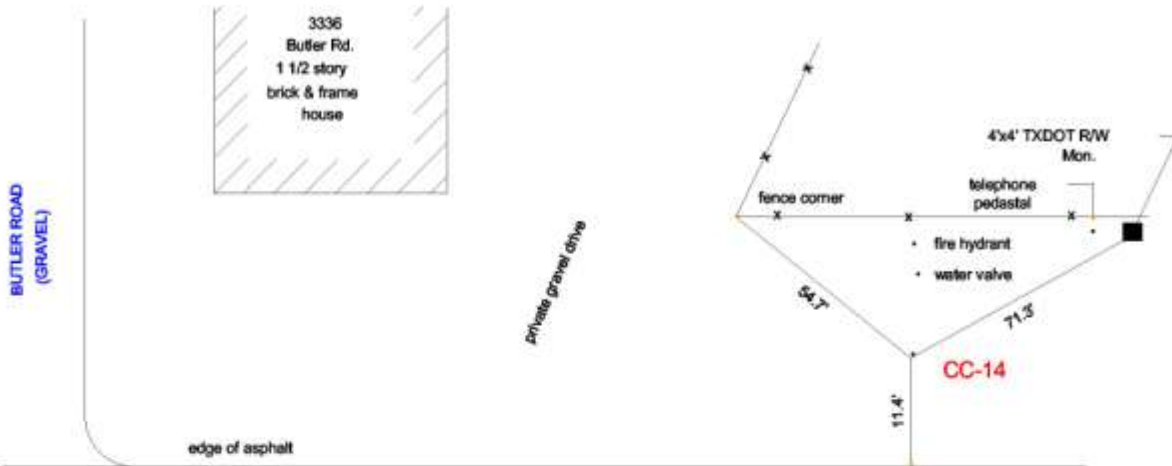
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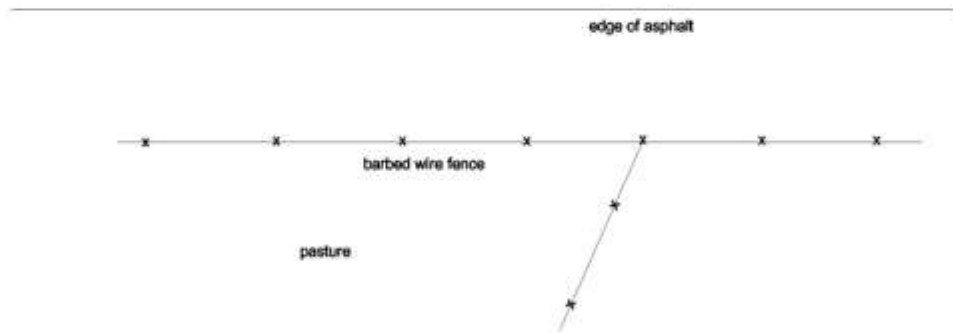
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F.M. 3083

(2-LANE ASPHALT W/ASPHALT SHOULDERS)



- NOTES: 1. Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-14		COUNTY: MONTGOMERY	
State Plane Coords: N = 10110962.594		E = 3851311.502	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 217.15'			
Description: SET BRASS DISK IN CONCRETE ON NORTHWEST SIDE OF			
F.M. 3083 APPROX. 0.38 MILE NORTHWEST OF EAST LOOP 336.			
RESET 6/23/99 - COORDINATES REVISED 6/29/99			
File: CC-14.DGN	Date: 6/24/99	Job No.: 99-02-4604	

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-14 Azimuth

PHOTO DATE: 3/22/99

DESCRIPTION: Looking southeast along F.M. 3083 toward E. Loop 336 and Automatic Propane Gas Co. site.



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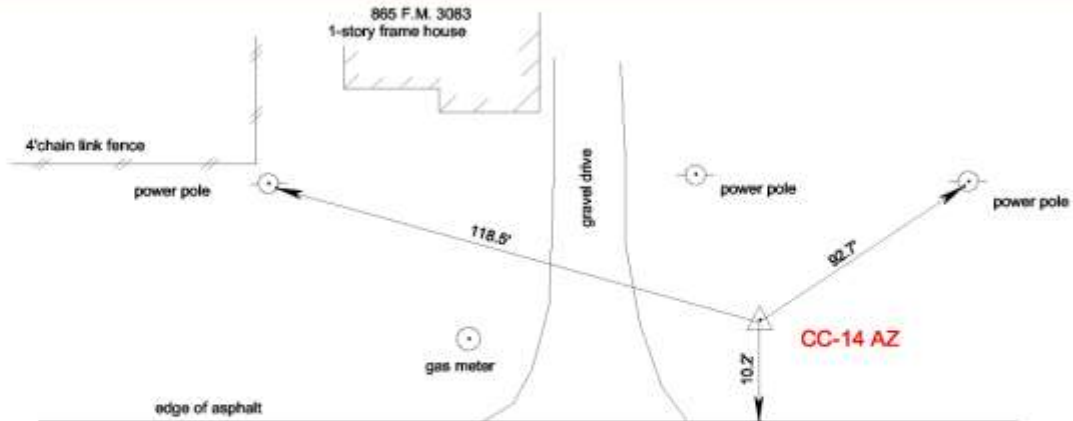
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F.M. 3083

(2-LANE ASPHALT W/ASPHALT SHOULDERS)



1-Story frame House

gas meter

chain link fence

1-story frame house

- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-14 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10111958.45		E = 3850075.59	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 217.1'			
Description: SET BRASS DISK IN CONCRETE ON NORTHEAST SIDE			
OF F.M. 3083 APPROX. 0.63 MILE NORTHWEST OF EAST LOOP 336.			
File: CC-14_AZ.DGN	Date: 5/04/99	Job No.: 99-02-4604	
			RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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L A N D S U R V E Y O R S

MONUMENT NO. CC-15 Control Point

PHOTO DATE: 3/22/99

DESCRIPTION: Looking west along E. Davis St. (S.H. 105) across N. Tenth St.



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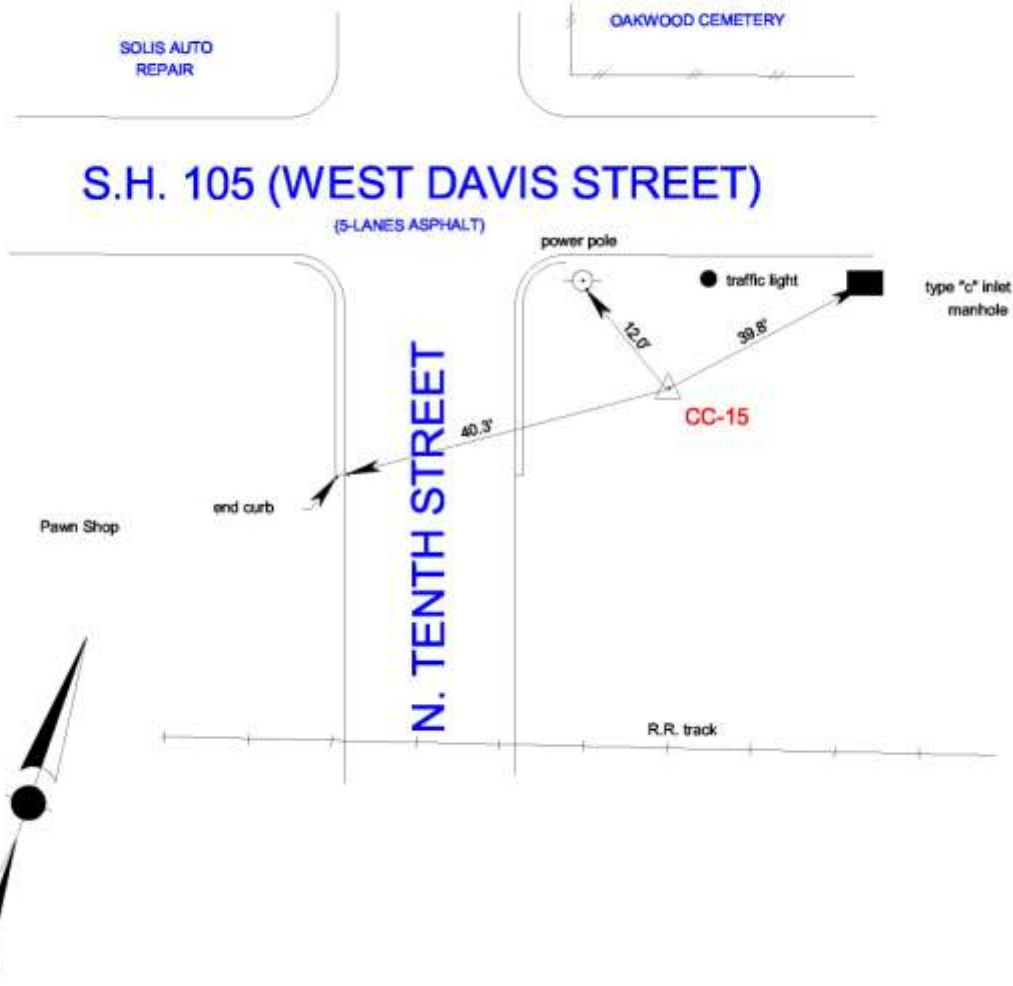
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-15		COUNTY: MONTGOMERY	
State Plane Coords: N = 10112114.436		E = 3838528.530	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 186.91'			
Description: SET BRASS DISK IN CONCRETE AT SOUTHEAST CORNER			
OF INTERSECTION OF EAST DAVIS STREET (S.H. 105) W/NORTH TENTH ST.			
File: CC-15.DGN	Date: 5/06/99	Job No.: 99-02-4604	

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 R.P.L.S. NO. 3938

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L A N D S U R V E Y O R S

MONUMENT NO. CC-15 Azimuth

PHOTO DATE: 3/22/99

DESCRIPTION: Looking east along E. Davis St. and E. Phillips St. (S.H. 105) toward Sixth Street.



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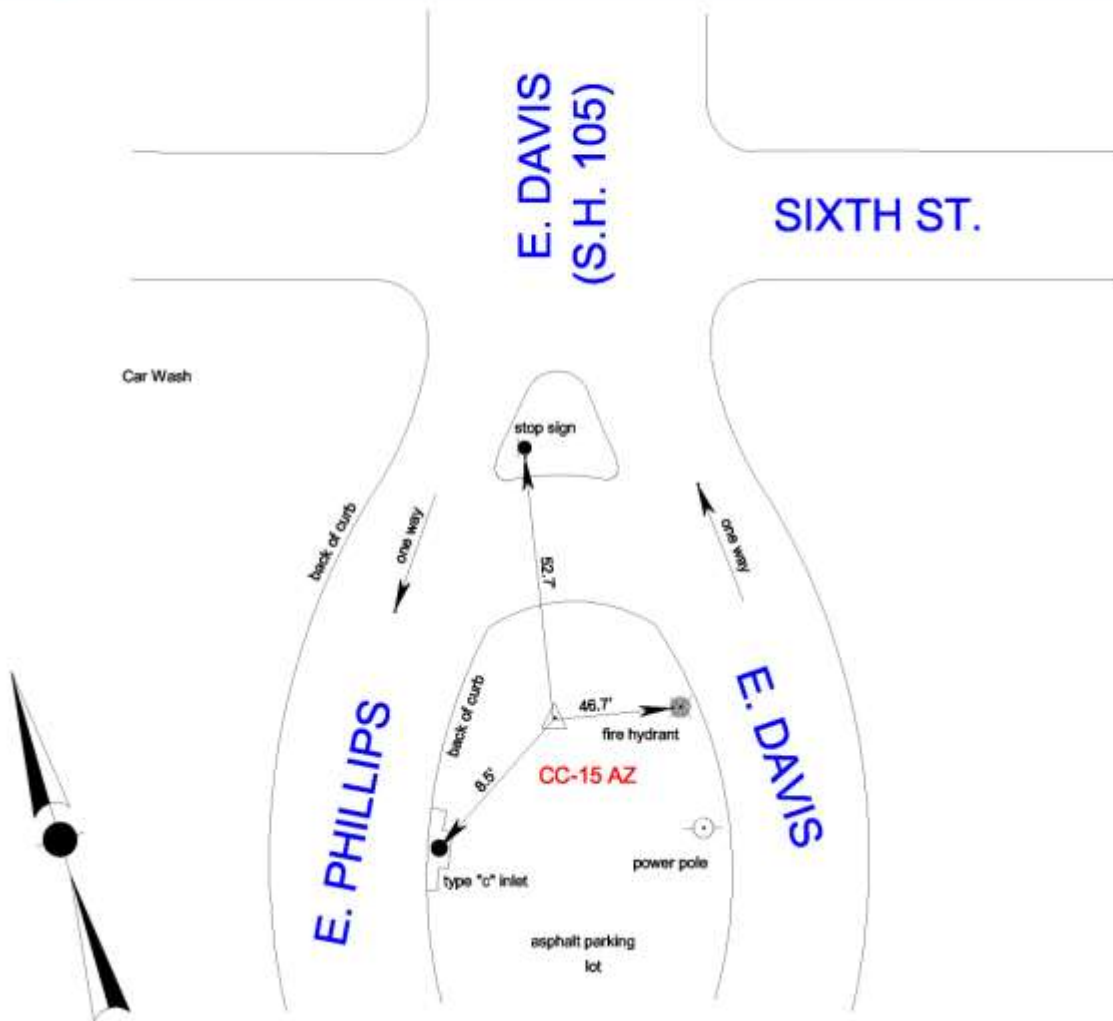
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-15 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10111928.22		E = 3836964.75	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 203.7'			
Description: SET BRASS DISK IN CONCRETE NEAR SOUTHWEST CORNER			
OF EAST PHILLIPS ST. (S.H. 105 WESTBOUND) WITH SIXTH ST. NEAR			
JUNCTION WITH EAST DAVIS ST. (S.H. 105 EASTBOUND)			
File: CC-15_AZ.DGN	Date: 5/11/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-16 Control Point

PHOTO DATE: 3/23/99

DESCRIPTION: Looking north from S. Fourth St. toward rear of Booker T. Washington Intermediate School.



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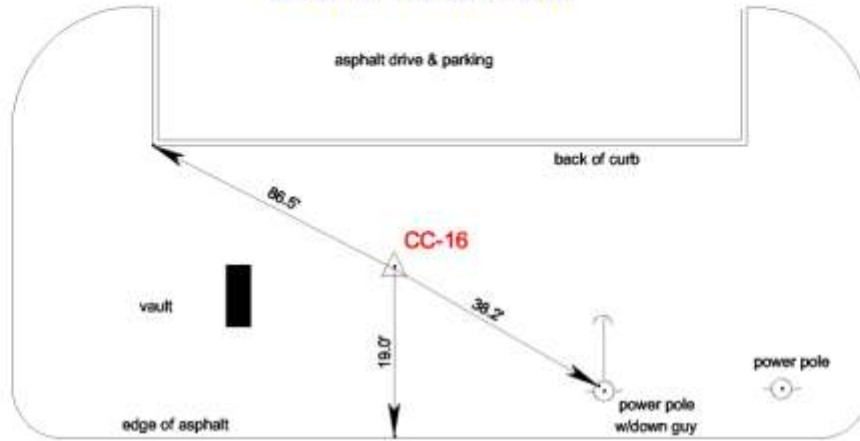
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BOOKER T. WASHINGTON INT. SCHOOL



AVENUE "M"

(2-LANES ASPHALT)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-16		COUNTY: MONTGOMERY	
State Plane Coords: N = 10107946.699		E = 3837913.065	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 189.43'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF AVENUE M			
AT ITS INTERSECTION W/SOUTH FOURTH STREET AT THE REAR OF			
BOOKER T. WASHINGTON INTERMEDIATE SCHOOL.			
File: CC-16.DGN	Date: 5/11/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938

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L A N D S U R V E Y O R S

MONUMENT NO. CC-16 Azimuth

PHOTO DATE: 3/23/99

DESCRIPTION: Looking east along Avenue M toward S. Seventh Street.



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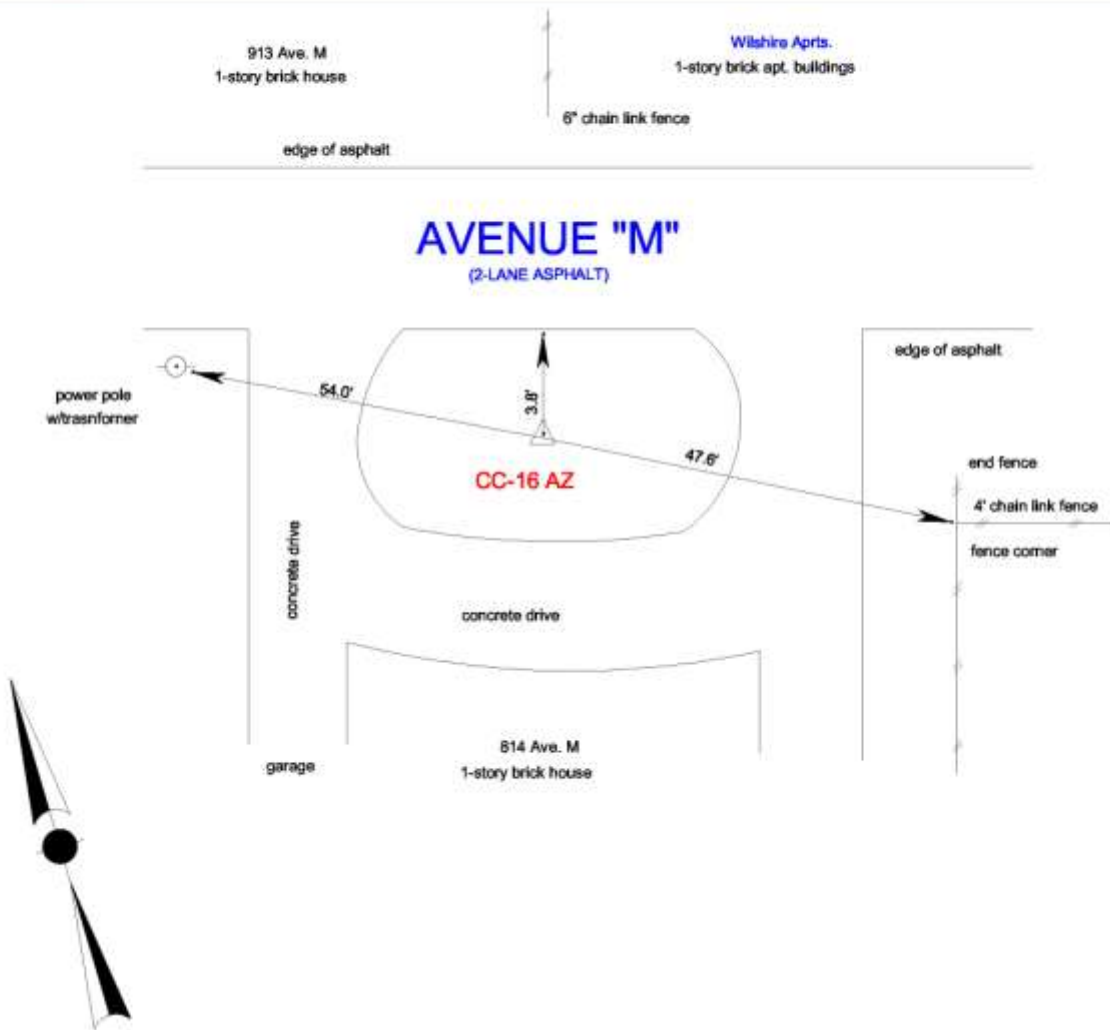


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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-16 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10108251.54		E = 3838981.40	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 189.3'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF AVENUE			
M BETWEEN SIXTH ST. & SOUTH SEVENTH ST. IN FRONT OF HOUSE			
AT 814 AVENUE M.			
File: CC-16_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-17 Control Point

PHOTO DATE: 3/23/99

DESCRIPTION: Looking east along Silverdale Street toward F.M. 1314.



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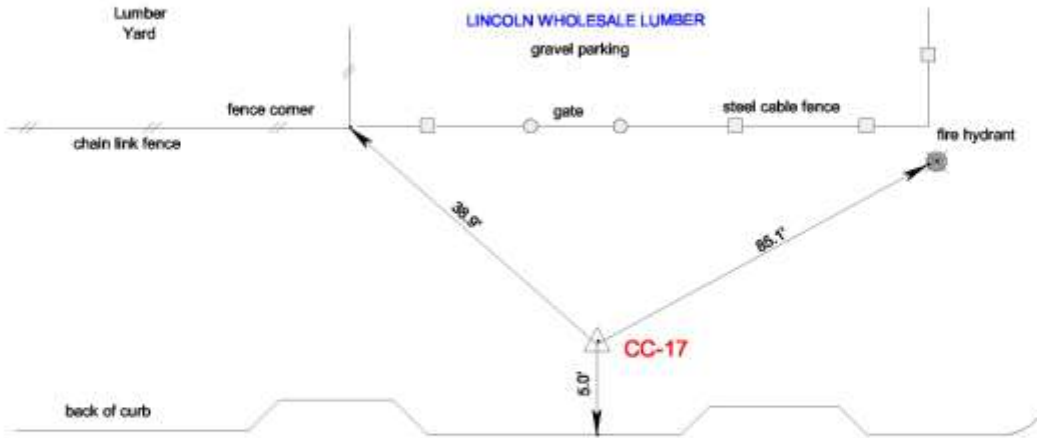


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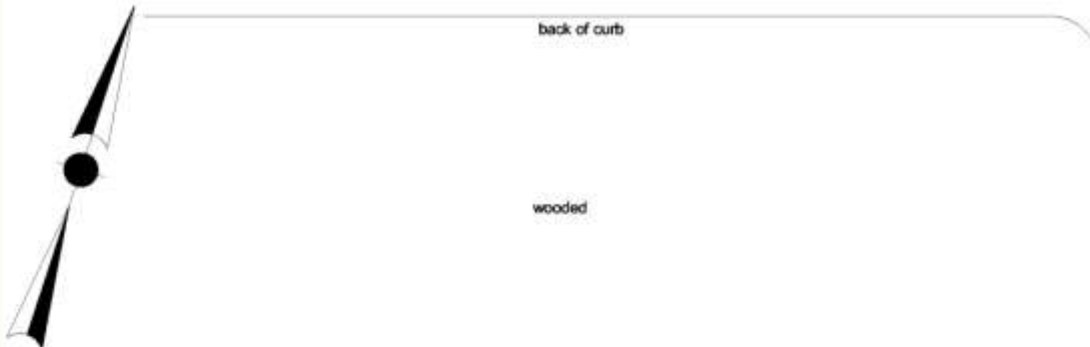
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SILVERDALE STREET

(4-LANE CONCRETE)

F.M. 1314



NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-17		COUNTY: MONTGOMERY	
State Plane Coords: N = 10107891.822		E = 3842756.697	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 175.19'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF			
SILVERDALE STREET JUST WEST OF F.M. 1314 ON SOUTH SIDE OF			
LINCOLN WHOLESALE LUMBER. (1390 F.M. 1314)			
File: CC-17.DGN	Date: 5/05/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-17 Azimuth

PHOTO DATE: 3/23/99

DESCRIPTION: Looking east along Silverdale Street toward F.M. 1314.



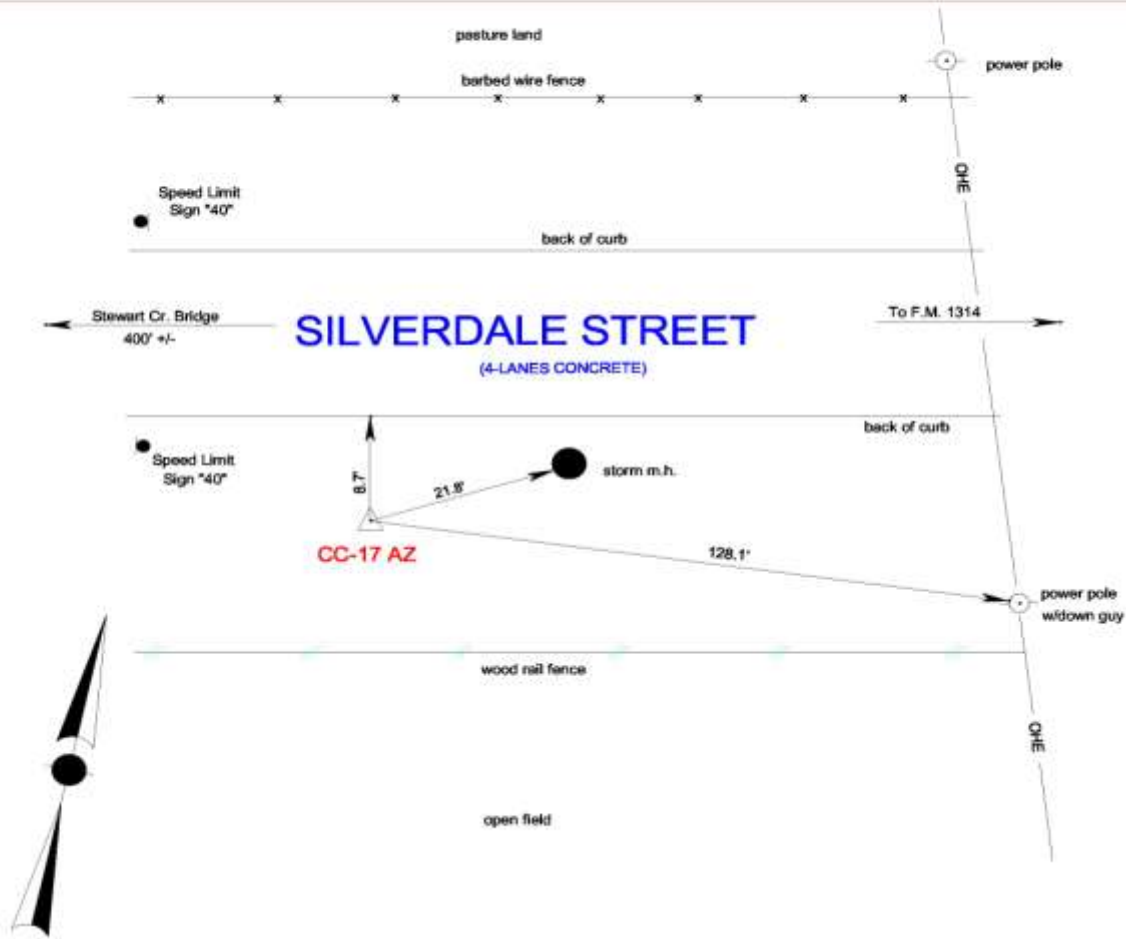
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-17 AZ	COUNTY: MONTGOMERY		
State Plane Coords:	N = 10107504.15	E = 3841358.36	
Scale Factor:	1.00003	Zone:	CENTRAL
		Datum:	NAD83
Elevation (NAVD88/91 Datum) 166.8'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF SILVERDALE ST. APPROX. 0.25 MILE WEST OF F.M. 1314 AND EAST OF STEWART CREEK BRIDGE.			
File: CC-17_AZ.DGN	Date: 5/05/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-18 Control Point

PHOTO DATE: 3/24/99

DESCRIPTION: Looking south-southeast from S. Loop 336 toward east entrance to Carl Barton, Jr. city park site (under construction).



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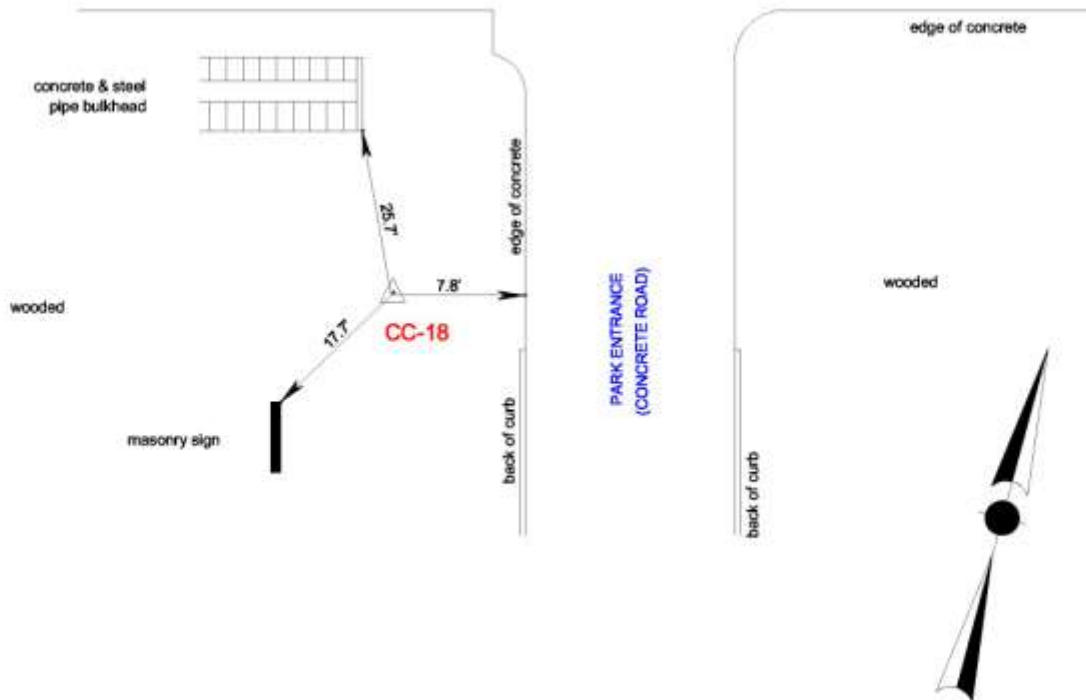
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 tel. 713.461.1400 — fax 713.461.3639 — info@clarksurvey.com

wooded

edge of concrete

SOUTH LOOP 336

(2-LANES CONCRETE W/CONCRETE SHOULDERS)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-18		COUNTY: MONTGOMERY	
State Plane Coords: N = 10104410.854		E = 3849959.392	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 192.12'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF SOUTH			
LOOP 336 BETWEEN F.M. 1314 AND F.M. 3083 AT CONCRETE DRIVE			
TO PROPOSED CITY OF CONROE PARK. (CARL BARTON, JR.) EAST			
ENTRANCE.			
File: CC-18.DGN	Date: 5/05/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
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L A N D S U R V E Y O R S

MONUMENT NO. CC-18 Azimuth

PHOTO DATE: 4/30/99

DESCRIPTION: Looking north along pipeline R/W across S. Loop 336.



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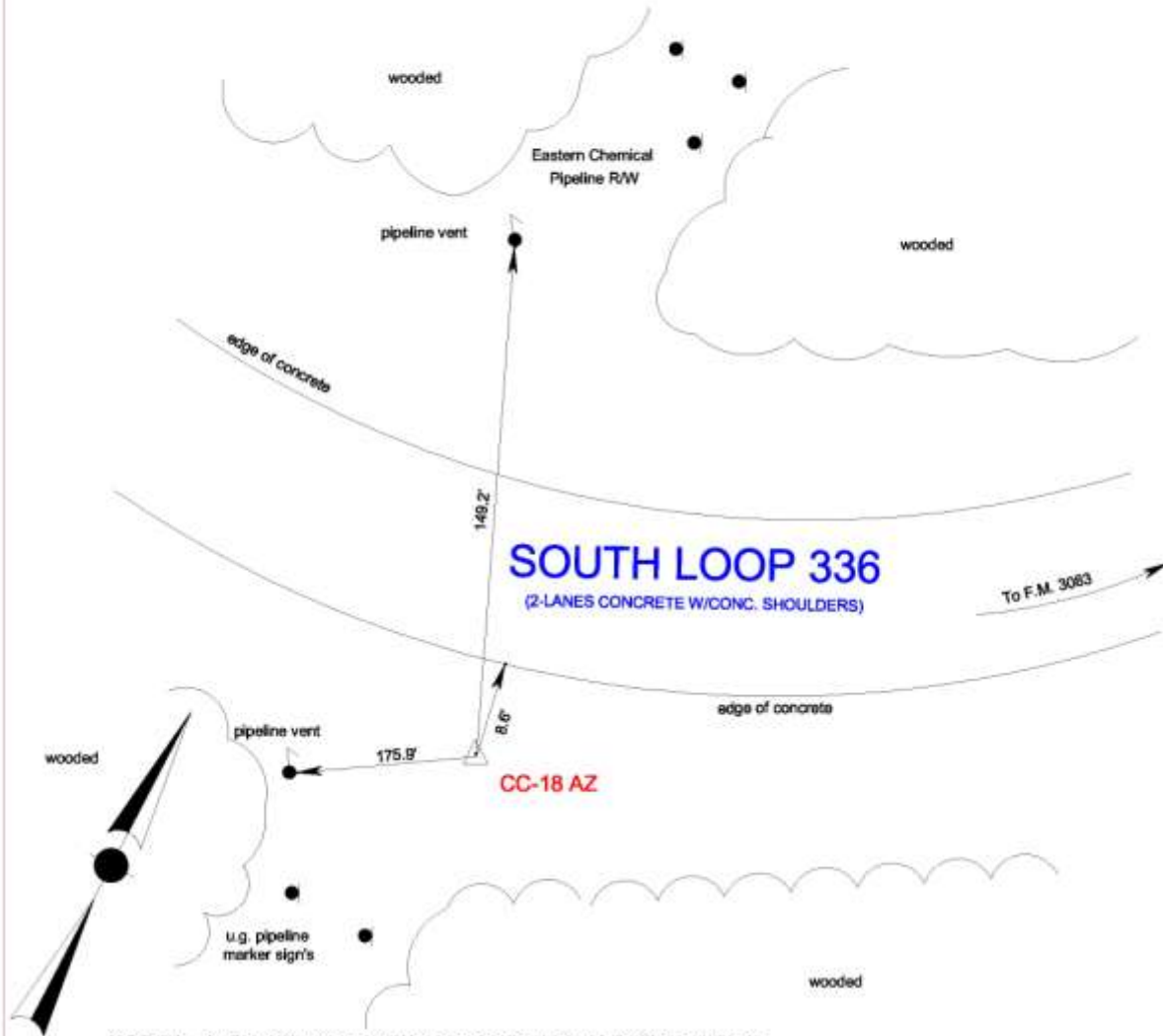


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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-18 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10105192.01		E = 3851236.87	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 195.8'			
Description: SET BRASS DISK IN CONCRETE ON SOUTHEAST SIDE OF SOUTH LOOP 336 AT ITS INTERSECTION W/EASTMAN CHEMICAL COMPANY PIPELINE RIGHT-OF-WAY APPROX. 0.88 MILE SOUTH OF F.M. 3083.			
File: CC-18_AZ.DGN	Date: 5/05/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-19 Control Point

PHOTO DATE: 3/23/99

DESCRIPTION: Looking west-southwest along S. Loop 336 across Stewart Creek bridge toward F.M. 1314.



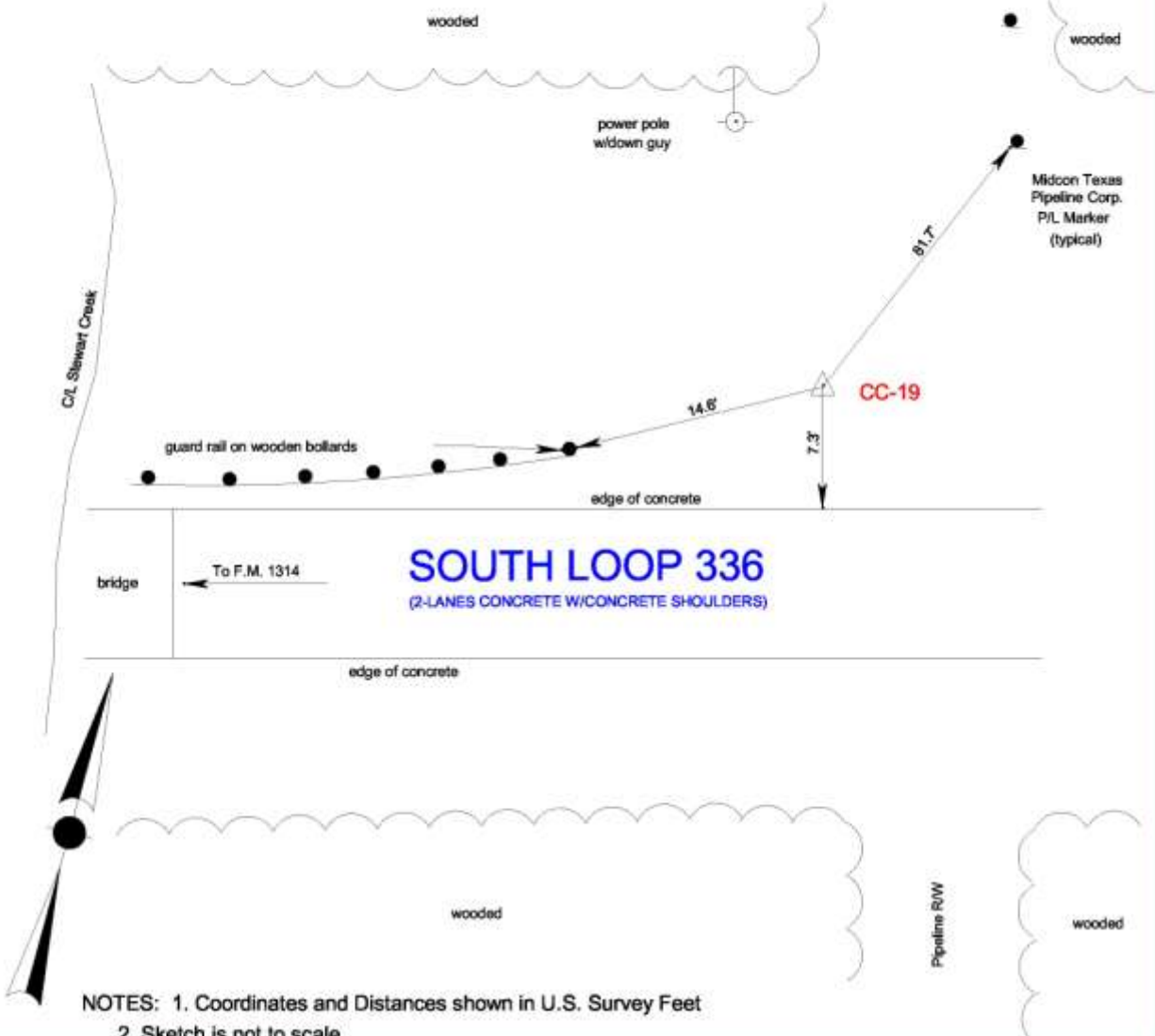
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-19	COUNTY: MONTGOMERY
State Plane Coords: N = 10103421.016	E = 3846848.128
Scale Factor: 1.00003	Zone: CENTRAL
	Datum: NAD83
Elevation (NAVD88/91 Datum) 163.74	
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF SOUTH	
LOOP 336 JUST EAST OF STEWART CREEK AND APPROX. 0.3 MILE	
EAST OF F.M. 1314.	
File: CC-19.DGN	Date: 5/05/99
Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-19 Azimuth

PHOTO DATE: 3/23/99

DESCRIPTION: Looking northwest from S. Loop 336 toward Living Word Assembly of God church site.



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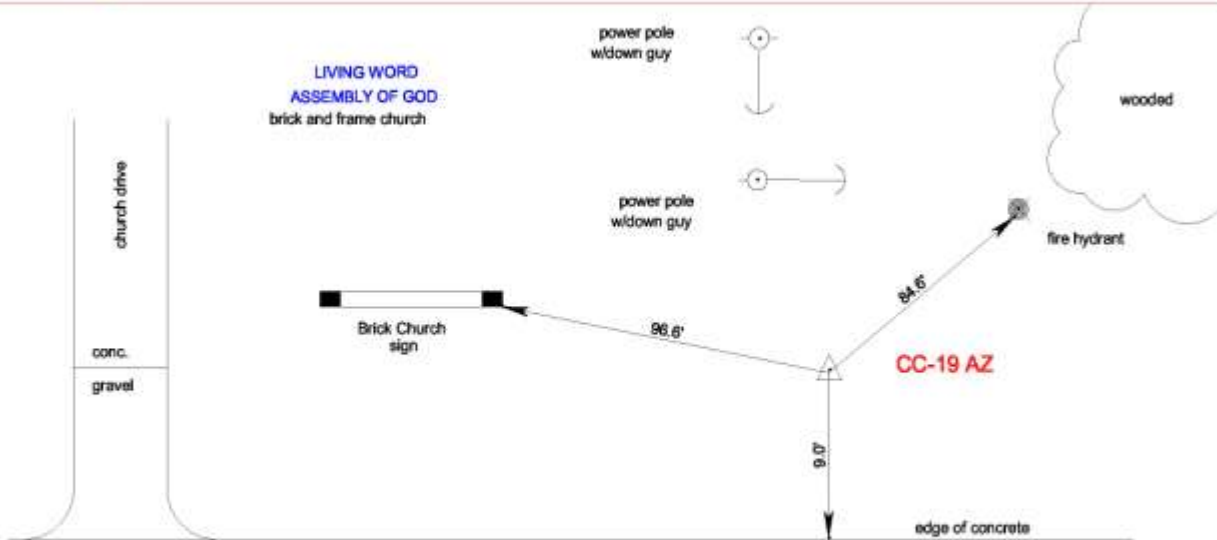
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← To F.M. 1314

SOUTH LOOP 336 (2-LANES CONCRETE W/CONCRETE SHOULDERS)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-19 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10103935.01		E = 3848149.15	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 182.4'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF			
SOUTH LOOP 336 EAST OF F.M. 1314 AND STEWART CREEK IN FRONT			
OF LIVING WORD ASSEMBLY OF GOD CHURCH ACROSS FROM CARL			
BARTON, JR. PARK SITE.			
File: CC-19_AZ.DGN	Date: 5/05/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3936

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-20 Control Point

PHOTO DATE: 3/23/99

DESCRIPTION: Looking east along S. Loop 336 toward Stewart Creek bridge.



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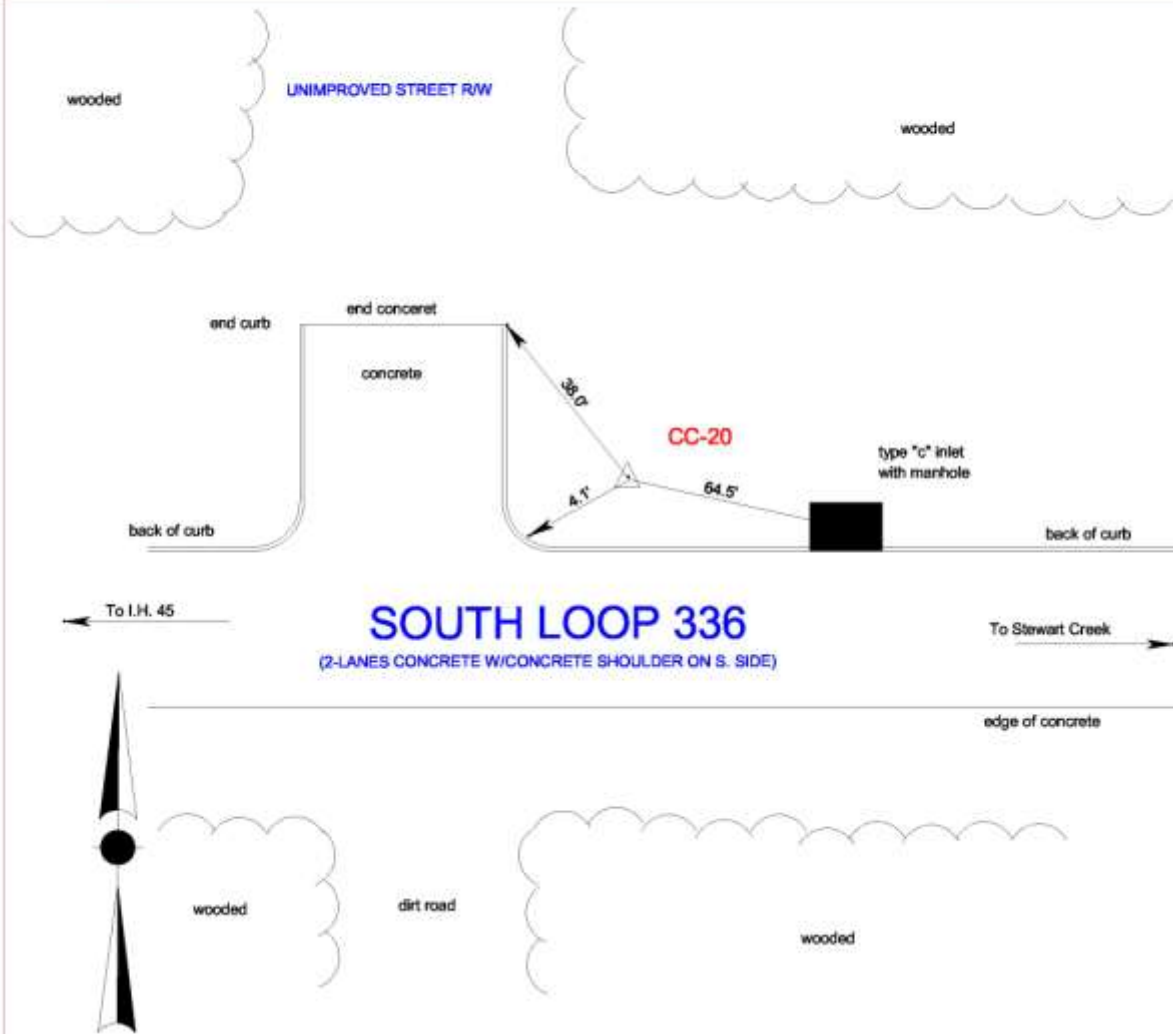
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-20	COUNTY: MONTGOMERY		
State Plane Coords:	N = 10100975.868	E = 3839104.265	
Scale Factor:	1.00003	Zone:	CENTRAL
		Datum:	NAD83
Elevation (NAVD88/91 Datum) 172.02'			
Description: SET BRASS DISK IN CONCRETE ON NORTH SIDE OF			
SOUTH LOOP 336 APPROX. 0.25 MILE WEST OF STEWART CREEK			
BRIDGE AND ON EAST SIDE OF CONCRETE STREET ENTRY INTO			
UNIMPROVED SUBDIVISION.			
File: CC-20.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
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L A N D S U R V E Y O R S

MONUMENT NO. CC-20 Azimuth

PHOTO DATE: 3/23/99

DESCRIPTION: Looking east along S. Loop 336 toward creek bridge.



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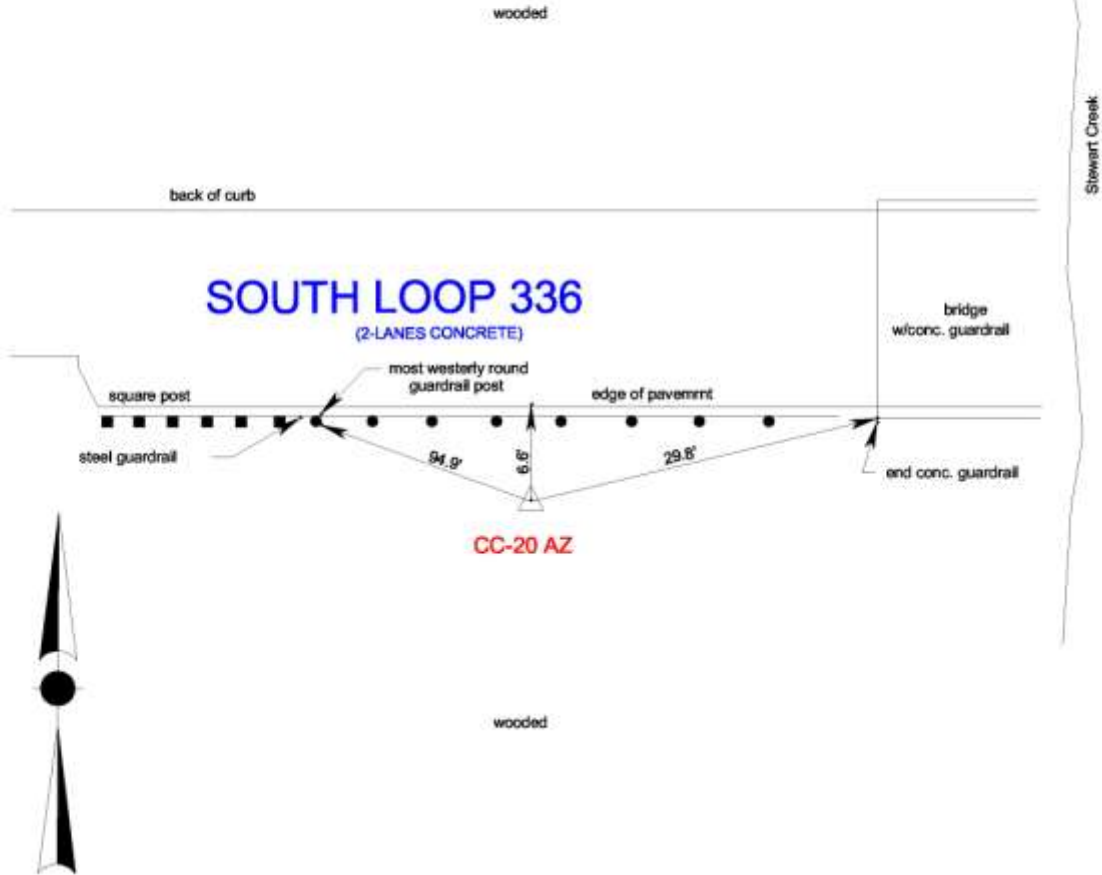


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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-20 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10100700.60		E = 3840443.14	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 153.2'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF SOUTH LOOP 336 AND WEST SIDE OF STEWART CREEK BRIDGE.			
File: CC-20_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-21 Control Point

PHOTO DATE: 3/23/99

DESCRIPTION: Looking northeast along S. Loop 336 toward I.H. 45.



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LAND SURVEYORS

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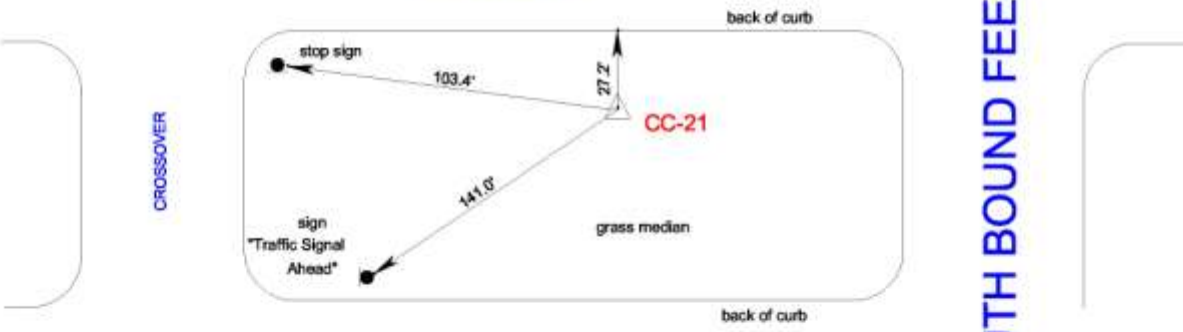
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SOUTH LOOP 336 WESTBOUND

(3-LANES CONCRETE)



SOUTH LOOP 336 EASTBOUND

(3-LANES CONCRETE)



I.H. 45 SOUTH BOUND FEEDER

- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-21		COUNTY: MONTGOMERY	
State Plane Coords: N = 10099086.215		E = 3834640.048	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 159.47'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF			
WESTBOUND SOUTH LOOP 336 JUST WEST OF I.H. 45.			
File: CC-21.DGN	Date: 5/06/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-21 Azimuth

PHOTO DATE: 3/23/99

DESCRIPTION: Looking east along S. Loop 336 westbound lanes toward I.H. 45.



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RIVER POINTE APTS.
(under construction)

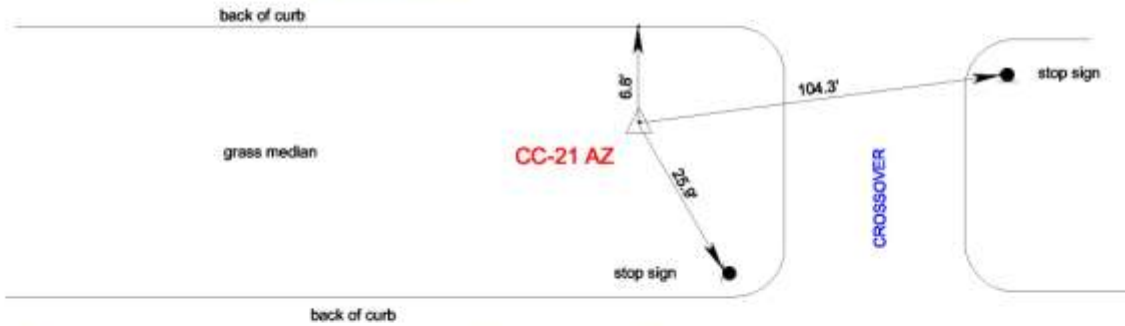
River Pointe
Drive

SHOPPING CENTER
Super K-Mart

back of curb

SOUTH LOOP 336 EASTBOUND

(3-LANES CONCRETE)



SOUTH LOOP 336 EASTBOUND

(3-LANES CONCRETE)



- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-21 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10098812.75		E = 3833527.91	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 160.0'			
Description: SET BRASS DISK IN CONCRETE ON SOUTH SIDE OF			
SOUTH LOOP 336 WESTBOUND IN GRASS MEDIAN WEST OF CROSSOVER.			
File: CC-21 AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	

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L A N D S U R V E Y O R S

MONUMENT NO. CC-22 Control Point

PHOTO DATE: 3/24/99

DESCRIPTION: Looking west along South Wade Circle across south end of Wade Road.



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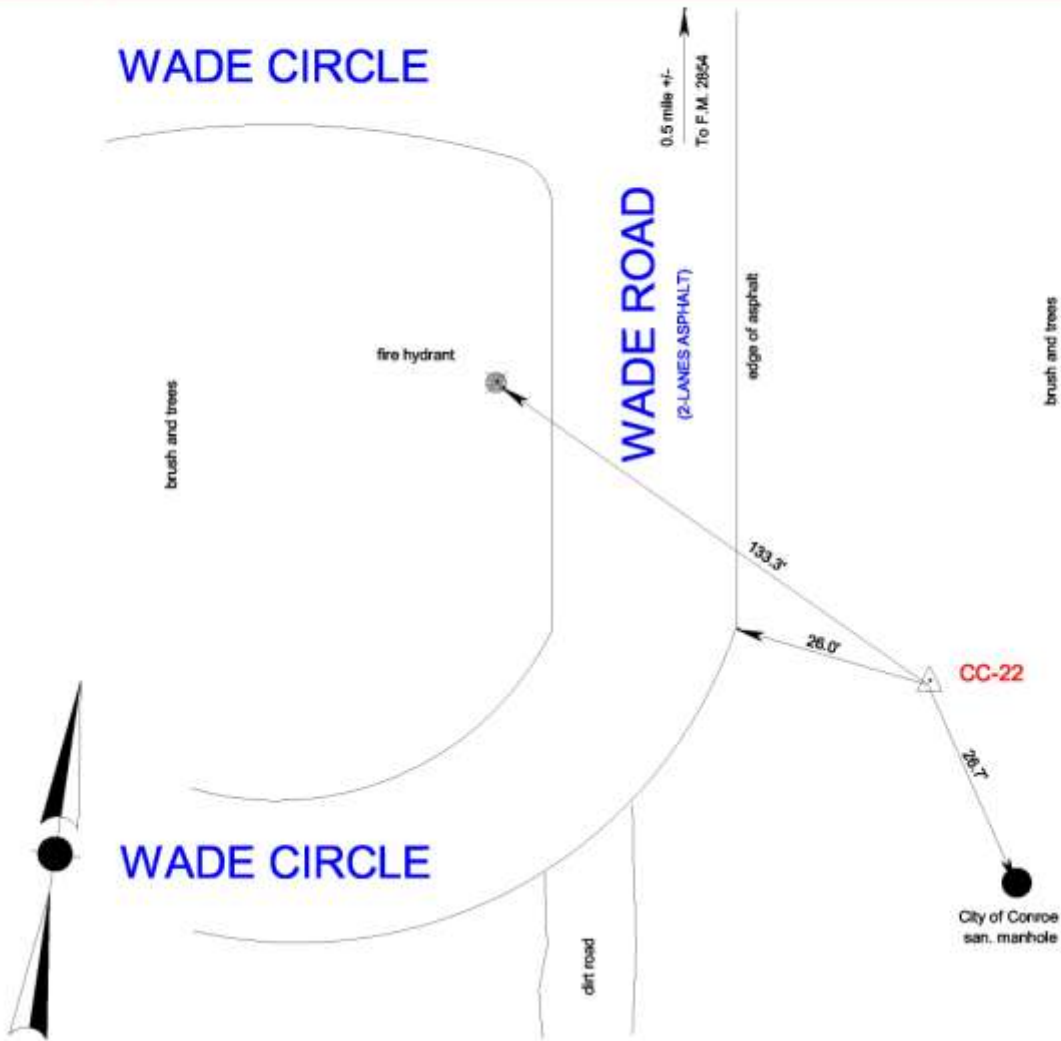
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-22		COUNTY: MONTGOMERY	
State Plane Coords: N = 10107228.330		E = 3826531.126	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 168.81'			
Description: SET BRASS DISK IN CONCRETE ON EAST SIDE AT END			
OF WADE ROAD SOUTH OF F.M. 2854 AT BEGINNING OF SOUTH WADE			
CIRCLE.			
File: CC-22.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-22 Azimuth

PHOTO DATE: 3/24/99

DESCRIPTION: Looking north along Wade Road toward railroad and F.M. 2854.



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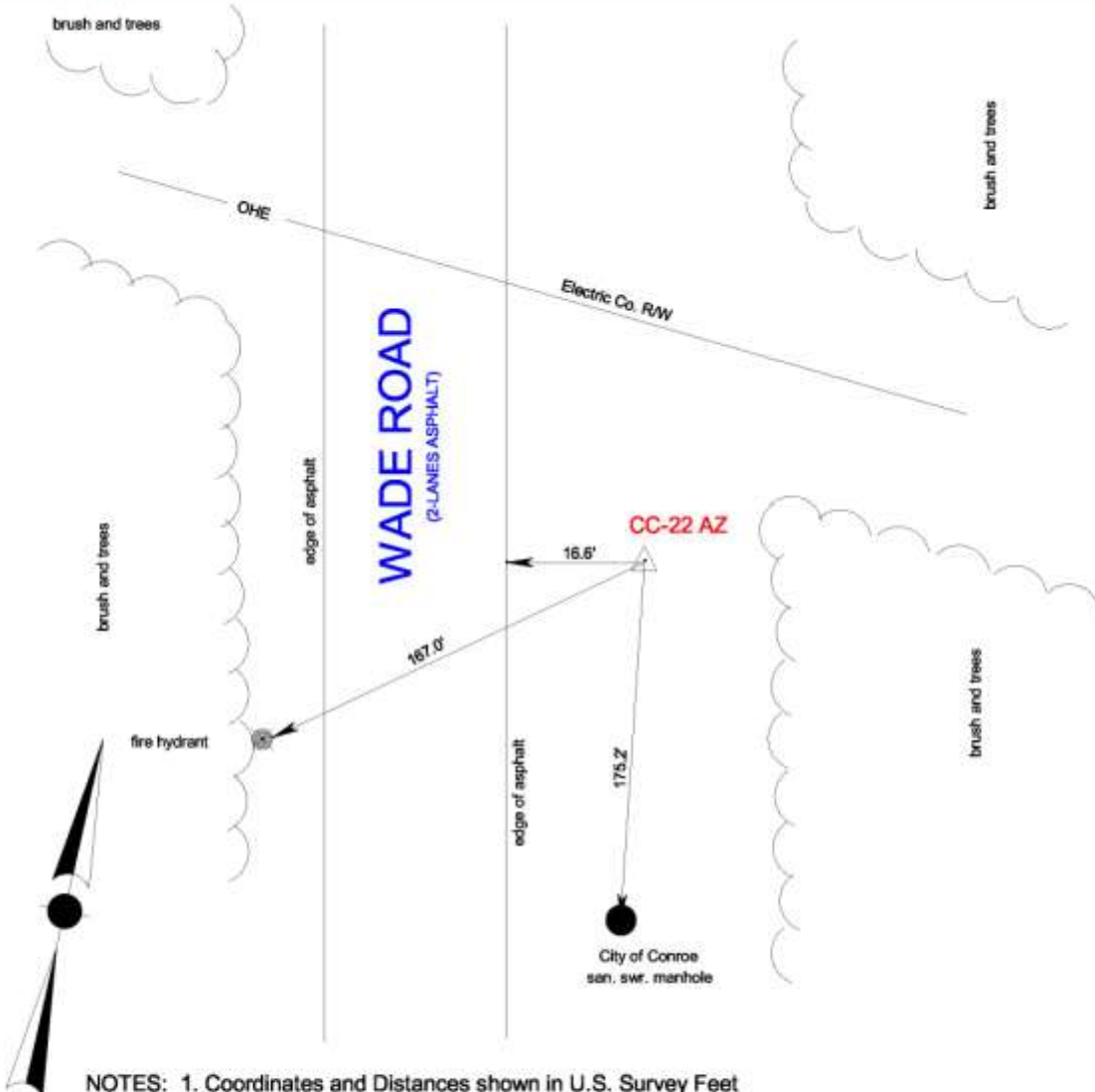
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-22 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10108549.71		E = 3826120.07	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 176.3'			
Description: SET BRASS DISK IN CONCRETE ON EAST SIDE OF			
WADE ROAD APPROX. 0.2 MILE SOUTH OF R.R. AND F.M. 2854 AND			
200'+/- SOUTH OF POWERLINE R/W CROSSING ROAD.			
File: CC-22 AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	
		RICHARD A. DAVIS, III R.P.L.S. NO. 3938	

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-23 Control Point

PHOTO DATE: 3/24/99

DESCRIPTION: Looking south along W. Loop 336 across Owen Road toward Park n Ride lot.



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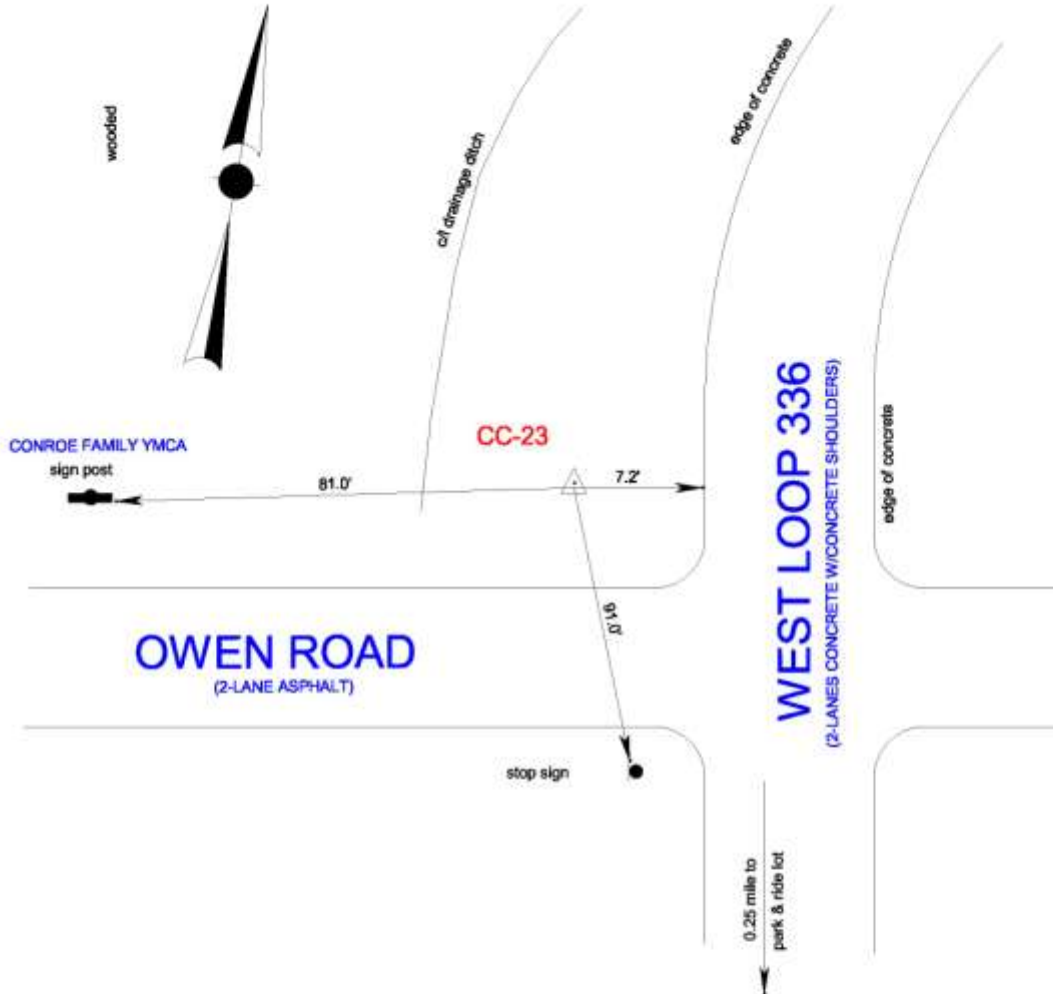
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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-23		COUNTY: MONTGOMERY	
State Plane Coords: N = 10107059.386		E = 3818319.561	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 141.60'			
Description: SET BRASS DISK IN CONCRETE AT NORTHWEST CORNER OF INTERSECTION OF WEST LOOP 336 WITH OWEN ROAD.			
File: CC-23.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

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L A N D S U R V E Y O R S

MONUMENT NO. CC-23 Azimuth

PHOTO DATE: 3/24/99

DESCRIPTION: Looking west from W. Loop 336 toward Park n Ride building.



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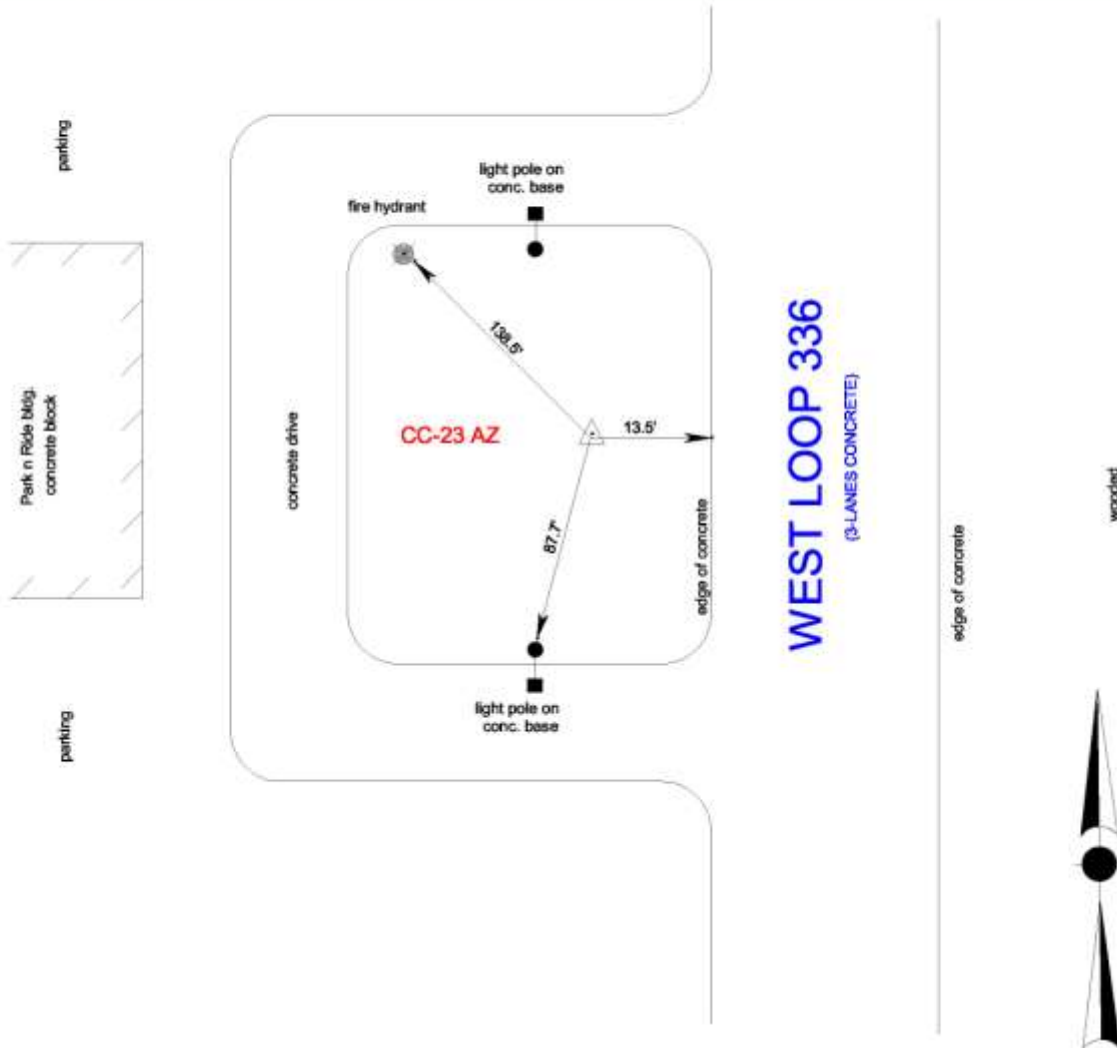
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-23 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10105615.79		E = 3818710.98	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 138.7'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF WEST			
LOOP 336 APPROX. 0.25 MILE SOUTH OF OWEN ROAD IN FRONT			
OF CONROE PARK n RIDE LOT.			
File: CC-23_AZ.DGN	Date: 5/06/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
R.P.L.S. NO. 3938

CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-24 Control Point

PHOTO DATE: 3/24/99

DESCRIPTION: Looking south along I.H. 45 northbound feeder toward S.H. 105.



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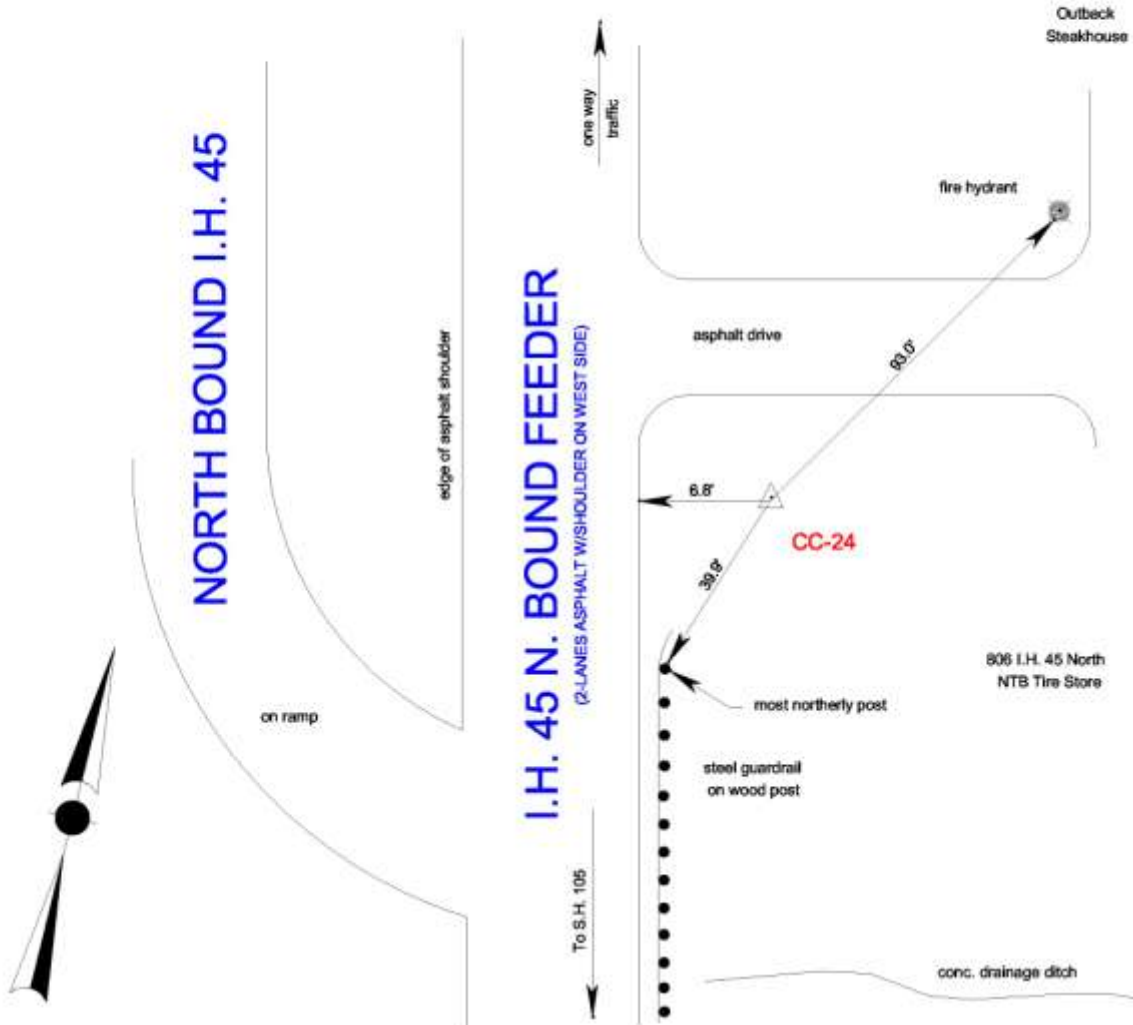
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NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
2. Sketch is not to scale

Conroe Marker No.: CC-24		COUNTY: MONTGOMERY	
State Plane Coords: N = 10112770.668		E = 3829997.354	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 181.10'			
Description: SET BRASS DISK IN CONCRETE ON EAST SIDE OF I.H. 45			
NORTH BOUND FEEDER ROAD APPROX. 0.5 MILE NORTH OF S.H. 105			
IN FRONT OF NTB TIRE STORE.			
File: CC-24.DGN	Date: 5/11/99	Job No.: 99-02-4604	
			RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-24 Azimuth

PHOTO DATE: 3/24/99

DESCRIPTION: Looking north along I.H. 45 northbound feeder toward Wilson Rd. overpass.



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- NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-24 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10114424.08		E = 3829382.60	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 191.0'			
Description: SET BRASS DISK IN CONCRETE ON WEST SIDE OF I.H. 45			
NORTH BOUND FEEDER ROAD (EAST OF NORTH BOUND MAIN LANES)			
AT THE INTERSECTION W/WEST SEMANDS AVE.			
File: CC-24_AZ.DGN	Date: 5/11/99	Job No.: 99-02-4604	RICHARD A. DAVIS, III R.P.L.S. NO. 3938

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-25 (NGS Conroe RM-1) Control Point

PHOTO DATE: 3/24/99

DESCRIPTION: Looking northeast toward Montgomery County Tax Office Building.



Conroe Marker No. CC-25 (NGS Conroe RM-1) Control Point

County: Montgomery

State Plane Coords: N= 10,111,002.607

E= 3,834,123.044

ELV= 209.22'

Scale Factor: 1.00003

Zone: CENTRAL

Datum: NAD83

Description: N/E Corner of W. Davis and N. San Jacinto

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CLARK-GEOGRAM INC.

L A N D S U R V E Y O R S

MONUMENT NO. CC-25 Azimuth

PHOTO DATE: 3/24/99

DESCRIPTION: Looking north along San Jacinto St. across Hicks St. toward downtown area.



Dallas - Houston - San Antonio

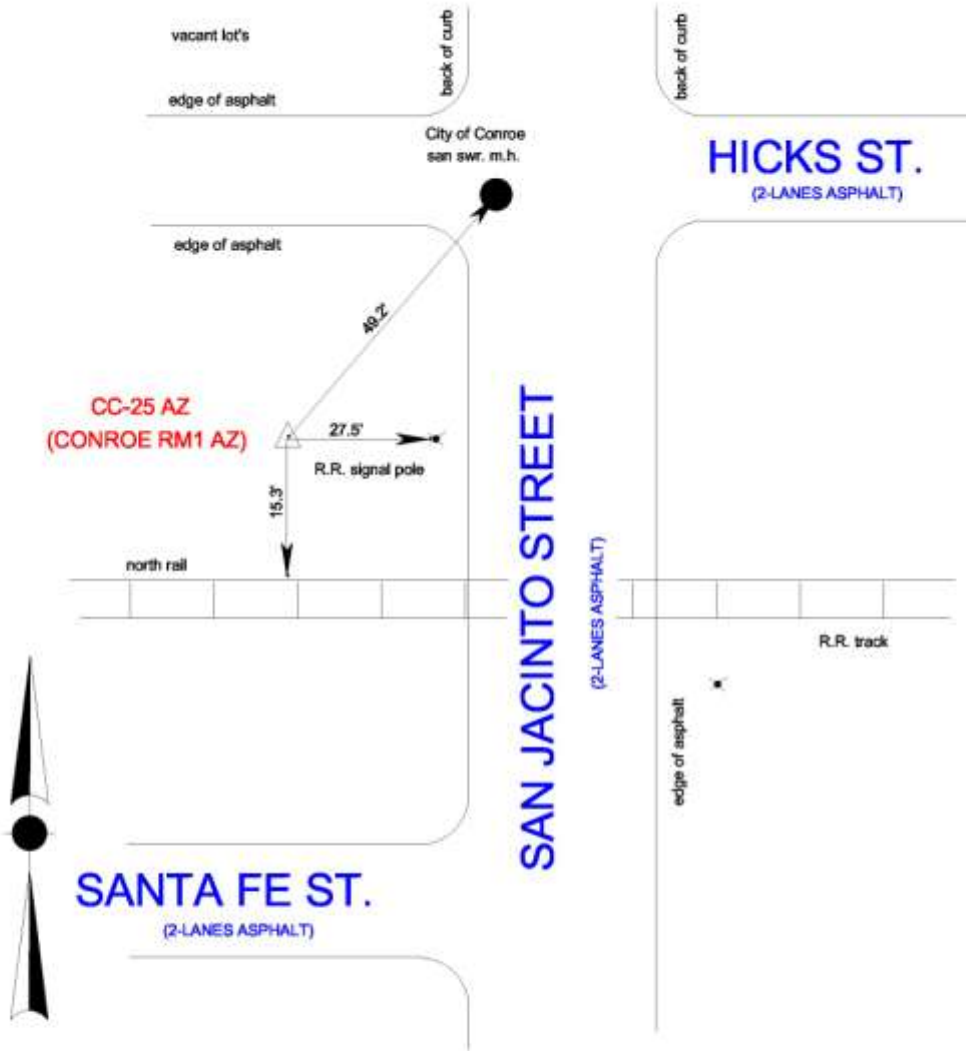
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CLARK-GEOGRAM INC.

LAND SURVEYORS

Dallas — Houston — San Antonio
 1315 Sherwood Forest Drive — Houston, Texas 77043
 tel. 713.461.1400 — fax 713.461.3639 — info@clarksurvey.com



NOTES: 1. Coordinates and Distances shown in U.S. Survey Feet
 2. Sketch is not to scale

Conroe Marker No.: CC-25 AZ		COUNTY: MONTGOMERY	
State Plane Coords: N = 10109487.53		E = 3834112.30	
Scale Factor: 1.00003	Zone: CENTRAL	Datum: NAD83	
Elevation (NAVD88/91 Datum) 211.6'			
Description: SET BRASS DISK IN CONCRETE AT SOUTHWEST CORNER OF			
INTERSECTION OF SAN JACINTO ST. W/HICKS ST. ON NORTH SIDE OF			
R.R. TRACK.			
File: CC-25_AZ.DGN	Date: 5/11/99	Job No.: 99-02-4604	

RICHARD A. DAVIS, III
 R.P.L.S. NO. 3938

Section Five
Ashtech Prism for
Windows GPS
Post-Processing Printouts

CONROE GIS FINAL GPS ADJUSTMENT HOLDING 9 CONTROL POINTS IN X, Y AND Z
AND 8 NGS BENCHMARKS IN Z (PUBLISHED) ONLY

CLIENT: ATLANTIC TECHNOLOGIES

JOB NO. 99-02-4604

DATUMS: NAD83/NAVD88, '91 ADJ.

PROCESSING AND ADJUSTMENT: WINPRISM (PNAV & STATIC) AND FILLNET

PROGRAM FILLNET, Version 3.0.00
LICENSED TO: ASHTECH INC.

Fillnet Input File CONROE HOLD ELEVS 30.3 95.5

a = 6378137.000 1/f = 298.2572235 W Longitude positive WEST

PRELIMINARY COORDINATES:

		LAT.	LON.	ELEV.	G.H.	CONSTR.
1	F	1203 30 20 19.60762	95 27 27.19687	70.136	0.000	
2		CC-1 30 23 31.52889	95 28 32.93314	94.982	0.000	
3	FFF	CI02 30 16 59.78314	95 28 38.84792	43.104	0.000	
4	FFF	CI-5 30 19 6.00391	95 24 1.23493	62.989	0.000	
5	FFF	CC11 30 21 1.51262	95 27 49.02696	73.268	0.000	
6	FFF	CI-3 30 19 51.00259	95 30 29.32142	67.419	0.000	
7	F	P-88 30 16 33.09164	95 27 22.38717	43.248	0.000	
8	F	Q_88 30 15 45.51197	95 27 21.30239	39.673	0.000	
9		L-88 30 18 54.31664	95 27 22.17251	92.626	0.000	
10	F	X149 30 19 18.41578	95 27 20.46258	66.112	0.000	
11		N555 30 19 26.59063	95 26 28.73828	86.968	0.000	
12		RM-1 30 18 44.38717	95 27 33.05374	89.572	0.000	
13	F	L149 30 17 21.68645	95 27 20.92567	51.146	0.000	
14	F	K149 30 18 1.91806	95 27 21.52775	61.000	0.000	
15	FFF	CI-2 30 16 59.78314	95 28 38.84792	43.104	0.000	
16	F	K-88 30 20 7.07575	95 27 23.53127	70.753	0.000	
17		CC-5 30 21 3.87775	95 29 4.88537	103.920	0.000	
18		CC-6 30 20 55.32374	95 31 10.58002	94.920	0.000	
19		PP12 30 22 50.63234	95 31 44.39305	122.129	0.000	
20		SJRA 30 21 51.79282	95 32 49.31056	64.858	0.000	
21		PP10 30 19 37.84690	95 33 10.86058	60.830	0.000	
22		CC-7 30 20 33.84651	95 31 56.36581	47.878	0.000	
23		CC-9 30 19 16.82509	95 29 12.10920	90.805	0.000	
24		CC10 30 19 56.30356	95 28 56.16372	89.153	0.000	
25	FFF	CI-4 30 20 14.07457	95 31 1.22723	67.632	0.000	
26		CC-3 30 21 57.82918	95 28 56.47957	82.780	0.000	
27		CC-4 30 21 38.43052	95 28 29.31559	86.602	0.000	
28		CC-2 30 22 22.93314	95 28 45.09469	84.830	0.000	
29		CC12 30 20 51.66398	95 26 6.75896	69.897	0.000	
30		PP-1 30 24 43.83633	95 29 22.25789	112.878	0.000	
31		PP-2 30 23 30.05907	95 24 49.39414	91.579	0.000	
32	F	R555 30 21 8.59188	95 25 18.26003	74.460	0.000	
33		CC13 30 20 5.33602	95 25 33.44728	91.802	0.000	
34		PP-3 30 20 12.05023	95 23 24.46281	82.821	0.000	
35		U312 30 19 10.17116	95 25 30.28493	60.566	0.000	
36		CC14 30 18 36.35118	95 24 16.93254	66.078	0.000	
37		PP-4 30 16 38.25292	95 23 19.69836	54.302	0.000	
38		CC17 30 18 9.70134	95 25 56.00847	53.351	0.000	
39		CC18 30 17 32.13013	95 24 35.68005	58.530	0.000	
40		PP-5 30 15 10.35777	95 24 48.50671	49.082	0.000	
41		CC19 30 17 23.81188	95 25 11.72967	75.192	0.000	
42		CC15 30 18 53.30047	95 26 42.07923	56.927	0.000	
43		CC16 30 18 12.35314	95 26 51.18265	57.693	0.000	

44	FFF	CI-6	30	18	31.54688	95	23	54.36047	61.698	0.000
45		CC-8	30	18	53.50150	95	30	43.19228	42.060	0.000
46		CC23	30	18	12.04006	95	30	34.92871	43.151	0.000
47		CC24	30	19	3.48810	95	28	18.99091	55.229	0.000
48		CC20	30	17	2.89759	95	26	41.09892	52.484	0.000
49		CC21	30	16	46.14987	95	27	32.91175	48.660	0.000
50		PP-6	30	15	4.20367	95	27	3.82405	39.561	0.000
51		CC22	30	18	10.17643	95	29	1.25781	51.461	0.000
52		PP-9	30	17	31.97186	95	32	21.79305	57.709	0.000
53	F	N-88	30	18	29.55878	95	27	24.90645	64.551	0.000
54		PP-7	30	14	44.86595	95	29	51.89716	51.640	0.000
55	FFF	CI-1	30	17	7.61116	95	29	14.33662	44.789	0.000
56	FFF	CI-7	30	16	20.22881	95	29	38.18927	40.883	0.000

GROUP 1, NO. OF VECTORS AND BIAS CONSTRAINTS:

146	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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VECTORS:

		DX	DY	DZ	LENGTH	ERROR CODES			
1203	CC-1	-1464.755	3120.471	5111.574	6165.309	3	51.0	51.0	2
1203	CI02	-2199.380	-2885.731	-5325.818	6444.304	3	51.0	51.0	2
CC-1	CI02	-734.636	-6006.173	-10437.396	12064.536	3	51.0	51.0	2
CI-5	1203	-5369.515	1653.813	1959.957	5950.481	3	51.0	51.0	2
CI-5	CC-1	-6834.258	4774.267	7071.533	10931.939	3	51.0	51.0	2
CI-5	CI02	-7568.898	-1231.918	-3365.863	8374.657	3	51.0	51.0	2
CC11	1203	518.606	-701.803	-1115.303	1416.115	3	51.0	51.0	2
CC11	CI02	-1680.773	-3587.518	-6441.129	7561.972	3	51.0	51.0	2
CC11	CI-3	-4366.253	-677.372	-1876.854	4800.581	3	51.0	51.0	2
CI02	1203	2199.379	2885.720	5325.827	6444.306	3	51.0	51.0	2
CI02	CI-3	-2685.480	2910.149	4564.275	6042.630	3	51.0	51.0	2
CI-3	1203	4884.859	-24.431	761.551	4943.926	3	51.0	51.0	2
CI-5	1203	-5369.515	1653.807	1959.958	5950.479	3	51.0	51.0	2
CI-5	CC11	-5888.121	2355.611	3075.260	7048.127	3	51.0	51.0	2
CI-5	CI02	-7568.892	-1231.914	-3365.868	8374.653	3	51.0	51.0	2
CI-5	CI-3	-10254.376	1678.232	1198.406	10459.678	3	51.0	51.0	2
P-88	Q_88	-41.065	-734.876	-1267.202	1465.445	3	51.0	51.0	2
L-88	X149	81.165	369.315	640.185	743.517	3	51.0	51.0	2
L-88	N555	1469.187	368.756	855.061	1739.431	3	51.0	51.0	2
L-88	RM-1	-303.827	-123.357	-265.505	421.925	3	51.0	51.0	2
L149	Q_88	-151.048	-1475.542	-2563.415	2961.610	3	51.0	51.0	2
K149	L149	-42.595	-615.176	-1074.683	1239.032	3	51.0	51.0	2
K149	X149	146.168	1173.261	2031.676	2350.662	3	51.0	51.0	2
K149	N555	1534.192	1172.699	2246.553	2962.426	3	51.0	51.0	2
K149	RM-1	-238.826	680.587	1125.988	1337.193	3	51.0	51.0	2
N555	X149	-1388.024	0.557	-214.877	1404.558	3	51.0	51.0	2
N555	RM-1	-1773.017	-492.113	-1120.566	2154.398	3	51.0	51.0	2
CI-2	Q_88	1953.665	-1342.233	-1976.930	3086.527	3	51.0	51.0	2
CI-2	L149	2104.712	133.309	586.485	2188.961	3	51.0	51.0	2
RM-1	X149	384.993	492.672	905.690	1100.554	3	51.0	51.0	2
K-88	X149	15.232	-760.182	-1300.312	1506.293	3	51.0	51.0	2
1203	K-88	78.868	-203.810	-332.641	398.006	3	51.0	51.0	2
1203	X149	94.098	-963.990	-1632.958	1898.600	3	51.0	51.0	2
CI-3	K-88	4963.723	-228.218	428.905	4987.443	3	51.0	51.0	2
CI-3	X149	4978.953	-988.399	-871.408	5150.365	3	51.0	51.0	2
CI-3	1203	4884.854	-24.406	761.544	4943.920	3	51.0	51.0	2
CC-5	CC-6	-3353.543	197.129	-231.866	3367.324	3	51.0	51.0	2
CC-5	PP12	-4081.741	2047.297	2845.677	5380.512	3	51.0	51.0	2
CC-6	SJRA	-2545.144	1137.799	1494.099	3163.017	3	51.0	51.0	2
CC-6	PP10	-3319.220	-877.181	-2067.574	4007.684	3	51.0	51.0	2
CC-6	PP12	-728.202	1850.162	3077.546	3663.969	3	51.0	51.0	2

CC-7	CC-6	1253.463	191.384	585.757	1396.749	3	51.0	51.0	2
CC-7	SJRA	-1291.684	1329.192	2079.851	2785.853	3	51.0	51.0	2
CC-7	PP10	-2065.753	-685.794	-1481.824	2633.145	3	51.0	51.0	2
CC-9	CC-5	351.795	1628.990	2852.003	3303.224	3	51.0	51.0	2
CC-9	CC-6	-3001.746	1826.120	2620.139	4382.958	3	51.0	51.0	2
CC-9	CC10	482.819	571.740	1048.519	1288.174	3	51.0	51.0	2
CC-9	PP12	-3729.945	3676.285	5697.681	7738.936	3	51.0	51.0	2
CC10	CC-5	-131.024	1057.250	1803.485	2094.637	3	51.0	51.0	2
CC10	CC-6	-3484.566	1254.376	1571.622	4023.140	3	51.0	51.0	2
CC10	PP12	-4212.765	3104.543	4649.164	7000.022	3	51.0	51.0	2
CI-4	CC-6	-181.202	656.268	1101.249	1294.709	3	51.0	51.0	2
CI-4	CC-7	-1434.662	464.878	515.496	1593.770	3	51.0	51.0	2
CI-4	SJRA	-2726.343	1794.069	2595.346	4169.826	3	51.0	51.0	2
CI-4	PP10	-3500.411	-220.922	-966.332	3638.060	3	51.0	51.0	2
PP10	SJRA	774.066	2014.989	3561.675	4164.719	3	51.0	51.0	2
CC-3	K-88	2307.782	-1941.704	-2949.197	4218.274	3	51.0	51.0	2
CC-3	CC-4	692.924	-373.115	-513.501	939.703	3	51.0	51.0	2
CC-3	CC-5	-297.444	-815.446	-1431.717	1674.288	3	51.0	51.0	2
CC-4	K-88	1614.860	-1568.591	-2435.696	3316.755	3	51.0	51.0	2
CC-4	CC-5	-990.369	-442.332	-918.213	1421.128	3	51.0	51.0	2
CC-5	K-88	2605.228	-1126.259	-1517.480	3218.450	3	51.0	51.0	2
CC11	K-88	597.475	-905.598	-1447.945	1809.317	3	51.0	51.0	2
CC11	CC-3	-1710.310	1036.106	1501.254	2500.488	3	51.0	51.0	2
CC11	CC-4	-1017.384	662.990	987.753	1565.338	3	51.0	51.0	2
CC11	CC-5	-2007.753	220.658	69.539	2021.039	3	51.0	51.0	2
CC-1	CC-2	-424.362	-1024.316	-1826.958	2137.073	3	51.0	51.0	2
CC-1	CC12	3650.908	-2827.719	-4259.651	6282.496	3	51.0	51.0	2
CC-1	PP-1	-1204.403	1231.571	1930.022	2586.955	3	51.0	51.0	2
CC-1	PP-2	5938.812	-586.680	-40.301	5967.856	3	51.0	51.0	2
CC-2	PP-1	-780.047	2255.895	3756.976	4451.113	3	51.0	51.0	2
CC11	R555	4021.360	-273.858	188.231	4035.067	3	51.0	51.0	2
CC11	CC12	2704.756	-409.065	-263.366	2748.163	3	51.0	51.0	2
CC11	CC13	3524.512	-1215.220	-1492.797	4015.892	3	51.0	51.0	2
CC11	PP-3	6965.117	-1428.310	-1318.888	7231.348	3	51.0	51.0	2
CC12	R555	1316.605	135.217	451.596	1398.453	3	51.0	51.0	2
CC12	CC-2	-4075.272	1803.376	2432.699	5077.207	3	51.0	51.0	2
CC12	CC13	819.754	-806.162	-1229.433	1683.270	3	51.0	51.0	2
CC12	PP-1	-4855.312	4059.284	6189.675	8852.340	3	51.0	51.0	2
CC12	PP-2	2287.900	2241.031	4219.354	5297.136	3	51.0	51.0	2
CC12	PP-3	4260.355	-1019.242	-1055.523	4505.952	3	51.0	51.0	2
CC13	R555	496.852	941.367	1681.031	1989.698	3	51.0	51.0	2
CC13	PP-3	3440.602	-213.090	173.911	3451.579	3	51.0	51.0	2
PP-2	CC-2	-6363.174	-437.656	-1786.653	6623.719	3	51.0	51.0	2
PP-2	PP-1	-7143.217	1818.269	1970.312	7629.796	3	51.0	51.0	2
PP-3	R555	-2943.746	1154.464	1507.118	3502.832	3	51.0	51.0	2
CC13	U312	1.491	-849.419	-1472.902	1700.281	3	51.0	51.0	2
CC13	CC14	1902.438	-1562.420	-2369.169	3416.634	3	51.0	51.0	2
CC13	PP-4	3253.526	-3522.482	-5515.226	7308.285	3	51.0	51.0	2
CC14	U312	-1900.948	713.003	896.264	2219.294	3	51.0	51.0	2
CC14	CC17	-2673.464	-151.351	-714.929	2771.541	3	51.0	51.0	2
CC14	CC18	-592.129	-939.659	-1711.257	2040.092	3	51.0	51.0	2
CC14	PP-4	1351.089	-1960.064	-3146.057	3945.246	3	51.0	51.0	2
CC14	PP-5	-1140.227	-3090.200	-5486.406	6399.227	3	51.0	51.0	2
CC17	CC18	2081.338	-788.304	-996.333	2438.457	3	51.0	51.0	2
CC17	PP-5	1533.240	-2938.845	-4771.482	5809.877	3	51.0	51.0	2
CC18	PP-5	-548.098	-2150.545	-3775.147	4379.154	3	51.0	51.0	2
CC19	CC14	1560.262	971.848	1939.694	2672.325	3	51.0	51.0	2
CC19	CC17	-1113.205	820.495	1224.769	1847.294	3	51.0	51.0	2
CC19	CC18	968.132	32.196	228.434	995.238	3	51.0	51.0	2
CC19	PP-5	420.034	-2118.347	-3546.710	4152.466	3	51.0	51.0	2
CI-5	U312	-2362.124	290.987	109.551	2382.500	3	51.0	51.0	2
CI-5	CC13	-2363.615	1140.403	1582.455	3064.532	3	51.0	51.0	2

CI-5	CC14	-461.177	-422.015	-786.715	1004.839	3	51.0	51.0	2
CI-5	PP-4	889.912	-2382.083	-3932.773	4683.264	3	51.0	51.0	2
PP-4	U312	-3252.037	2673.069	4042.323	5836.216	3	51.0	51.0	2
CC15	L149	-1168.058	-1313.334	-2438.606	3005.995	3	51.0	51.0	2
CC15	CC17	1161.468	-788.098	-1160.877	1821.467	3	51.0	51.0	2
CC16	L149	-865.466	-702.294	-1350.409	1750.958	3	51.0	51.0	2
CC16	CC15	302.591	611.043	1088.196	1284.175	3	51.0	51.0	2
CC16	CC17	1464.060	-177.059	-72.680	1476.518	3	51.0	51.0	2
CC17	L149	-2329.526	-525.233	-1277.730	2708.349	3	51.0	51.0	2
CI-6	L149	-5596.737	-549.251	-1862.711	5924.089	3	51.0	51.0	2
CI-6	CC15	-4428.677	764.079	575.894	4530.855	3	51.0	51.0	2
CI-6	CC16	-4731.269	153.034	-512.303	4761.384	3	51.0	51.0	2
CI-6	CC17	-3267.209	-24.022	-584.982	3319.252	3	51.0	51.0	2
CC-8	CC23	157.786	-663.500	-1101.706	1295.718	3	51.0	51.0	2
CC-8	CC24	3848.630	-225.517	272.122	3864.824	3	51.0	51.0	2
CC20	CC21	-1402.848	-124.026	-447.298	1477.647	3	51.0	51.0	2
CC20	PP-6	-778.515	-1765.179	-3163.295	3705.183	3	51.0	51.0	2
CC21	PP-6	624.332	-1641.139	-2716.003	3234.161	3	51.0	51.0	2
CC22	CC-8	-2645.713	939.225	1147.044	3032.763	3	51.0	51.0	2
CC22	CC20	3628.795	-1397.849	-1788.363	4280.231	3	51.0	51.0	2
CC22	CC21	2225.936	-1521.839	-2235.665	3502.711	3	51.0	51.0	2
CC22	CC23	-2487.926	275.720	45.338	2503.568	3	51.0	51.0	2
CC22	CC24	1202.913	713.702	1419.167	1992.588	3	51.0	51.0	2
CC22	PP-6	2850.273	-3162.986	-4951.670	6530.511	3	51.0	51.0	2
CC22	PP-9	-5391.397	-81.481	-1012.638	5486.277	3	51.0	51.0	2
CC23	CC24	3690.840	437.987	1373.829	3962.517	3	51.0	51.0	2
CI-2	CC20	3136.423	-259.391	87.552	3148.349	3	51.0	51.0	2
CI-2	CC21	1733.561	-383.391	-359.756	1811.532	3	51.0	51.0	2
CI-2	CC22	-492.373	1138.448	1875.907	2248.894	3	51.0	51.0	2
CI-2	PP-6	2357.899	-2024.537	-3075.760	4372.498	3	51.0	51.0	2
PP-9	CC-8	2745.679	1020.688	2159.688	3639.342	3	51.0	51.0	2
PP-9	CC23	2903.466	357.192	1057.980	3110.791	3	51.0	51.0	2
PP-9	CC24	6594.308	795.179	2431.810	7073.253	3	51.0	51.0	2
CC23	N-88	5078.329	-232.591	476.576	5105.942	3	51.0	51.0	2
CC23	PP-7	835.635	-3319.029	-5505.316	6482.495	3	51.0	51.0	2
CI-1	N-88	3030.664	971.368	2188.828	3862.570	3	51.0	51.0	2
CI-1	CC23	-2047.661	1203.964	1712.240	2928.175	3	51.0	51.0	2
CI-1	CI-7	-704.675	-667.924	-1261.997	1592.271	3	51.0	51.0	2
CI-1	PP-7	-1212.034	-2115.051	-3793.088	4508.878	3	51.0	51.0	2
CI-7	N-88	3735.339	1639.292	3450.819	5343.050	3	51.0	51.0	2
CI-7	CC23	-1342.986	1871.894	2974.231	3762.134	3	51.0	51.0	2
CI-7	PP-7	-507.355	-1447.121	-2531.081	2959.382	3	51.0	51.0	2
PP-7	N-88	4242.696	3086.439	5981.889	7956.731	3	51.0	51.0	2

SHIFTS:

1	-0.074	-0.009	0.000
2	-0.115	-0.067	-0.623
3	0.000	0.000	0.000
4	0.000	0.000	0.000
5	0.000	0.000	0.000
6	0.000	0.000	0.000
7	0.027	0.009	0.000
8	0.031	0.025	0.000
9	-5.245	5.467	-25.663
10	-5.244	5.459	0.000
11	-5.229	5.457	-25.679
12	-5.248	5.469	-25.663
13	0.023	-0.001	0.000
14	0.021	-0.011	0.000
15	0.000	0.000	0.000
16	0.060	-0.024	0.000
17	1.366	6.324	-19.745

18	1.340	6.327	-19.695
19	1.324	6.287	-19.688
20	-0.046	-0.025	0.013
21	-0.043	0.030	0.022
22	-0.022	-0.000	0.004
23	0.502	4.859	-18.540
24	0.506	4.846	-18.544
25	0.000	0.000	0.000
26	-0.025	-0.013	0.041
27	-0.015	-0.009	0.033
28	0.007	0.006	0.086
29	0.071	0.036	0.029
30	-0.012	-0.010	0.086
31	0.071	-0.021	0.041
32	-0.541	2.656	0.000
33	-0.534	2.669	-17.264
34	-0.525	2.689	-17.251
35	-0.030	0.005	0.027
36	-0.003	0.006	0.018
37	0.026	0.045	0.021
38	-0.028	0.016	0.047
39	-0.001	0.026	0.027
40	0.011	0.077	0.049
41	-3.355	2.623	-25.284
42	-0.052	0.009	0.043
43	-0.050	0.023	0.046
44	0.000	0.000	0.000
45	-0.051	-0.013	0.004
46	-0.058	-0.009	0.010
47	-0.010	-0.034	-0.029
48	0.044	-0.015	-0.052
49	0.024	0.011	-0.053
50	0.044	0.045	-0.048
51	-0.016	-0.014	-0.008
52	-0.088	-0.009	0.055
53	0.016	0.024	0.000
54	-0.009	0.037	0.014
55	0.000	0.000	0.000
56	0.000	0.000	0.000

ADJUSTED VECTORS, GROUP 1:

			DX, DY, DZ	V	DN, DE, DU	v	v'
1203	CC-1	08891	-1464.822	-0.001	5909.580	-0.000	-0.0
			3120.461	-0.021	-1757.161	0.001	0.2
			5111.566	0.012	18.355	0.024	3.1
1203	CI02	08891	-2199.331	-0.012	-6153.889	0.007	1.0
			-2885.788	0.006	-1912.616	-0.013	-1.6
			-5325.809	0.006	-24.911	-0.002	-0.2
CC-1	CI02	08891	-734.510	-0.001	-12063.469	-0.003	-0.2
			-6006.250	-0.002	-155.455	-0.000	-0.0
			-10437.375	-0.003	-43.266	0.000	0.0
CI-5	1203	08891	-5369.554	-0.003	2263.055	-0.004	-0.7
			1653.754	0.003	-5503.338	-0.004	-0.5
			1959.920	-0.006	11.909	-0.005	-0.7
CI-5	CC-1	08891	-6834.375	-0.016	8172.635	0.002	0.2
			4774.215	-0.001	-7260.500	-0.016	-1.3
			7071.485	0.004	30.264	0.004	0.3

CI-5	CI02	08891	-7568.885	-0.013	-3890.835	0.005	0.5
			-1232.034	0.009	-7415.954	-0.014	-1.4
			-3365.889	0.001	-13.002	-0.006	-0.6
CC11	1203	08892	518.619	-0.001	-1290.309	0.004	1.1
			-701.799	0.004	583.496	-0.002	-0.4
			-1115.295	0.002	-2.474	-0.002	-0.4
CC11	CI02	08892	-1680.712	-0.015	-7444.199	0.010	1.2
			-3587.587	-0.006	-1329.119	-0.014	-1.6
			-6441.104	0.016	-27.385	0.014	1.6
CC11	CI-3	08892	-4366.234	0.005	-2171.842	-0.008	-1.3
			-677.454	-0.010	-4281.201	0.006	0.9
			-1876.873	-0.003	-3.399	0.006	0.9
CI02	1203	08892	2199.331	0.013	6153.889	-0.010	-1.3
			2885.788	0.005	1912.616	0.013	1.6
			5325.809	-0.015	24.911	-0.013	-1.5
CI02	CI-3	08892	-2685.521	0.020	5272.357	-0.019	-2.8
			2910.134	-0.007	-2952.082	0.021	2.6
			4564.231	-0.019	23.986	-0.006	-0.7
CI-3	1203	08892	4884.853	-0.007	881.533	0.011	1.9
			-24.345	0.013	4864.697	-0.008	-1.1
			761.578	0.006	0.925	-0.008	-1.2
CI-5	1203	08892	-5369.554	-0.003	2263.055	-0.002	-0.3
			1653.754	0.009	-5503.338	-0.004	-0.5
			1959.920	-0.007	11.909	-0.011	-1.4
CI-5	CC11	08892	-5888.173	-0.002	3553.364	-0.005	-0.7
			2355.553	0.004	-6086.835	-0.002	-0.3
			3075.215	-0.009	14.383	-0.008	-0.9
CI-5	CI02	08892	-7568.885	-0.019	-3890.835	0.007	0.8
			-1232.034	0.005	-7415.954	-0.019	-2.0
			-3365.889	0.006	-13.002	0.000	0.0
CI-5	CI-3	08892	-10254.406	0.005	1381.522	-0.009	-0.9
			1678.099	0.001	-10368.036	0.005	0.5
			1198.342	-0.012	10.984	-0.008	-0.7
P-88	Q_88	09091	-41.048	0.001	-1465.141	0.000	0.0
			-734.871	0.013	29.575	-0.000	-0.0
			-1267.207	-0.008	-4.381	-0.016	-3.0
L-88	X149	09092	81.157	-0.000	742.130	-0.000	-0.1
			369.314	-0.006	45.386	0.000	0.1
			640.187	0.003	-1.120	0.007	1.4
L-88	N555	09092	1469.181	0.002	994.509	0.000	0.1
			368.785	0.003	1427.071	0.001	0.2
			855.064	-0.002	-7.117	-0.004	-0.7
L-88	RM-1	09092	-303.825	-0.001	-305.882	-0.000	-0.0
			-123.359	0.003	-290.603	-0.001	-0.3
			-265.508	-0.002	-2.796	-0.004	-0.8
L149	Q_88	09091	-151.021	-0.004	-2961.574	-0.002	-0.4

			-1475.543	0.017	-8.901	-0.005	-0.9
			-2563.421	-0.012	-12.707	-0.020	-3.5
K149	L149	09091	-42.586	-0.004	-1238.883	-0.001	-0.4
			-615.189	-0.006	16.574	-0.003	-0.6
			-1074.678	0.002	-9.974	0.007	1.3
K149	X149	09092	146.142	-0.001	2350.428	0.000	0.1
			1173.250	-0.025	33.018	0.001	0.3
			2031.687	0.015	4.633	0.030	5.4
K149	N555	09092	1534.166	-0.001	2602.807	0.002	0.4
			1172.721	-0.013	1414.703	0.000	0.0
			2246.564	0.009	-1.364	0.016	2.7
K149	RM-1	09092	-238.840	0.000	1302.416	0.000	0.0
			680.577	-0.014	-302.971	0.002	0.3
			1125.992	0.008	2.957	0.016	3.1
N555	X149	09092	-1388.024	0.000	-252.379	0.001	0.4
			0.529	-0.008	-1381.684	0.001	0.2
			-214.877	0.006	5.997	0.010	1.8
N555	RM-1	09092	-1773.006	0.000	-1300.391	-0.000	-0.1
			-492.144	0.000	-1717.674	0.000	0.1
			-1120.572	-0.000	4.321	-0.000	-0.1
CI-2	Q_88	09091	1953.699	0.005	-2286.452	0.002	0.5
			-1342.219	-0.000	2073.350	0.005	0.9
			-1976.913	0.002	-5.551	0.001	0.1
CI-2	L149	09091	2104.719	0.010	675.122	0.004	1.0
			133.324	-0.017	2082.251	0.012	2.2
			586.508	0.014	7.156	0.021	3.9
RM-1	X149	09092	384.982	-0.000	1048.012	-0.000	-0.1
			492.673	-0.010	335.989	0.001	0.1
			905.695	0.005	1.676	0.011	2.2
K-88	X149	09093	15.243	-0.005	-1503.718	-0.004	-1.1
			-760.217	-0.027	88.037	-0.002	-0.4
			-1300.297	0.012	-3.951	0.030	5.7
1203	K-88	09093	78.873	0.000	-385.739	0.002	0.6
			-203.807	0.004	98.044	-0.000	-0.0
			-332.640	-0.000	0.803	-0.004	-0.7
1203	X149	09093	94.116	-0.002	-1889.457	0.002	0.4
			-964.024	-0.025	186.080	0.000	0.0
			-1632.937	0.017	-3.148	0.030	5.7
CI-3	K-88	09093	4963.726	-0.003	495.794	0.006	1.0
			-228.152	-0.006	4962.741	-0.002	-0.3
			428.938	0.010	1.728	0.010	1.4
CI-3	X149	09093	4978.969	-0.005	-1007.924	0.003	0.5
			-988.370	-0.034	5050.778	-0.002	-0.3
			-871.359	0.023	-2.223	0.041	5.8
CI-3	1203	09093	4884.853	-0.002	881.533	0.005	0.9
			-24.345	-0.012	4864.697	-0.001	-0.1
			761.578	0.013	0.925	0.016	2.3

CC-5	CC-6	09192	-3353.550	-0.003	-263.387	0.010	2.2
			197.065	-0.016	-3356.999	-0.001	-0.2
			-231.861	0.021	-8.826	0.025	4.1
CC-5	PP12	09192	-4081.788	-0.003	3287.687	0.005	0.8
			2047.246	-0.012	-4259.216	-0.002	-0.3
			2845.663	0.013	14.049	0.017	2.3
CC-6	SJRA	09191	-2545.171	-0.003	1738.306	0.003	0.7
			1137.770	-0.003	-2642.504	-0.003	-0.5
			1494.088	0.006	-13.394	0.006	1.0
CC-6	PP10	09191	-3319.198	0.004	-2386.205	-0.002	-0.3
			-877.250	-0.010	-3219.836	0.005	0.7
			-2067.581	0.004	-14.552	0.010	1.6
CC-6	PP12	09192	-728.238	0.004	3551.075	-0.004	-0.9
			1850.181	0.010	-902.217	0.003	0.4
			3077.523	-0.011	22.875	-0.015	-2.4
CC-7	CC-6	09191	1253.460	0.001	662.478	-0.003	-1.0
			191.416	0.011	1229.343	-0.000	-0.0
			585.752	-0.010	27.294	-0.014	-2.8
CC-7	SJRA	09191	-1291.711	0.001	2400.785	-0.000	-0.1
			1329.186	-0.001	-1413.161	0.001	0.1
			2079.840	0.001	13.900	0.001	0.2
CC-7	PP10	09191	-2065.738	0.001	-1723.727	-0.001	-0.2
			-685.834	-0.003	-1990.494	0.001	0.1
			-1481.829	0.001	12.742	0.003	0.4
CC-9	CC-5	09192	351.763	0.002	3297.507	-0.003	-0.7
			1629.020	0.008	194.009	0.002	0.3
			2851.989	-0.008	9.784	-0.011	-1.8
CC-9	CC-6	09192	-3001.787	-0.002	3034.119	0.004	0.8
			1826.085	-0.010	-3162.990	-0.001	-0.2
			2620.128	0.011	0.958	0.014	2.1
CC-9	CC10	09192	482.807	0.000	1215.770	-0.000	-0.1
			571.754	0.001	425.784	0.000	0.0
			1048.518	-0.001	-2.325	-0.001	-0.3
CC-9	PP12	09192	-3730.025	-0.002	6585.194	0.002	0.2
			3676.267	-0.002	-4065.207	-0.002	-0.2
			5697.652	0.004	23.833	0.004	0.4
CC10	CC-5	09192	-131.044	0.002	2081.737	-0.004	-1.0
			1057.266	0.007	-231.776	0.001	0.3
			1803.472	-0.008	12.109	-0.010	-1.9
CC10	CC-6	09192	-3484.594	-0.002	1818.349	0.005	1.0
			1254.331	-0.007	-3588.774	-0.001	-0.2
			1571.611	0.010	3.283	0.011	1.7
CC10	PP12	09192	-4212.832	-0.001	5369.424	0.002	0.2
			3104.513	-0.001	-4490.991	-0.001	-0.1
			4649.134	0.003	26.158	0.002	0.3
CI-4	CC-6	09191	-181.210	0.006	1271.624	-0.007	-2.1

			656.284	0.012	-243.278	0.005	1.0
			1101.230	-0.015	6.572	-0.019	-3.6
CI-4	CC-7	09191	-1434.670	0.002	609.145	-0.004	-1.2
			464.869	0.007	-1472.620	0.001	0.3
			515.478	-0.009	-20.722	-0.011	-2.1
CI-4	SJRA	09191	-2726.381	-0.000	3009.930	-0.003	-0.6
			1794.055	0.007	-2885.782	-0.001	-0.1
			2595.318	-0.008	-6.822	-0.010	-1.5
CI-4	PP10	09191	-3500.408	-0.001	-1114.581	0.002	0.3
			-220.965	0.011	-3463.114	-0.002	-0.4
			-966.351	-0.004	-7.980	-0.012	-1.9
PP10	SJRA	09191	774.027	0.003	4124.512	-0.001	-0.2
			2015.020	-0.002	577.332	0.003	0.5
			3561.669	-0.000	1.158	0.001	0.2
CC-3	K-88	09193	2307.825	0.001	-3409.839	-0.004	-0.7
			-1941.691	-0.000	2483.303	0.001	0.2
			-2949.183	-0.004	-10.194	-0.002	-0.3
CC-3	CC-4	09193	692.932	0.000	-597.220	-0.001	-0.2
			-373.108	0.000	725.503	0.000	0.1
			-513.497	-0.001	4.241	-0.001	-0.2
CC-3	CC-5	09193	-297.429	-0.002	-1660.043	0.003	0.9
			-815.466	-0.007	-217.900	-0.001	-0.2
			-1431.707	0.008	3.106	0.010	2.0
CC-4	K-88	09193	1614.892	-0.001	-2812.619	-0.002	-0.5
			-1568.582	0.001	1757.800	-0.001	-0.2
			-2435.686	-0.004	-14.435	-0.003	-0.5
CC-4	CC-5	09193	-990.361	-0.001	-1062.823	0.002	0.5
			-442.358	-0.007	-943.403	-0.001	-0.1
			-918.209	0.006	-1.135	0.009	1.7
CC-5	K-88	09193	2605.253	0.001	-1749.796	-0.007	-1.5
			-1126.224	0.008	2701.203	0.001	0.1
			-1517.476	-0.012	-13.300	-0.013	-2.2
CC11	K-88	09193	597.492	-0.002	-1676.048	-0.001	-0.4
			-905.606	-0.007	681.540	-0.001	-0.3
			-1447.935	0.003	-1.671	0.008	1.5
CC11	CC-3	09193	-1710.333	-0.001	1733.791	0.001	0.3
			1036.084	-0.007	-1801.763	0.000	0.0
			1501.247	0.005	8.523	0.009	1.6
CC11	CC-4	09193	-1017.400	-0.002	1136.571	0.001	0.3
			662.976	-0.006	-1076.260	-0.002	-0.3
			987.750	0.005	12.764	0.007	1.4
CC11	CC-5	09193	-2007.761	-0.003	73.748	0.003	1.0
			220.618	-0.012	-2019.663	-0.002	-0.4
			69.541	0.011	11.629	0.017	3.1
CC-1	CC-2	09591	-424.340	-0.000	-2112.331	-0.001	-0.4
			-1024.344	-0.010	-324.208	0.001	0.2
			-1826.951	0.004	-6.290	0.011	2.1

CC-1	CC12	09591	3650.967	-0.001	-4921.268	0.004	0.5
			-2827.692	0.003	3905.181	-0.001	-0.1
			-4259.619	0.003	-21.046	-0.001	-0.1
CC-1	PP-1	09591	-1204.432	-0.003	2226.619	0.000	0.0
			1231.568	0.001	-1316.927	-0.003	-0.5
			1930.011	-0.000	14.979	-0.001	-0.2
CC-1	PP-2	09591	5938.823	-0.002	-42.179	0.002	0.3
			-586.601	-0.003	5967.705	-0.001	-0.2
			-40.268	0.004	-7.634	0.005	0.6
CC-2	PP-1	09591	-780.091	0.003	4338.951	0.001	0.2
			2255.911	0.004	-992.719	0.003	0.5
			3756.962	-0.001	21.269	-0.004	-0.6
CC11	R555	09592	4021.366	0.000	219.496	0.005	1.1
			-273.805	-0.004	4029.096	0.000	0.1
			188.258	0.008	-2.484	0.007	1.2
CC11	CC12	09592	2704.765	-0.000	-301.998	0.002	0.6
			-409.030	-0.001	2731.516	-0.000	-0.0
			-263.349	0.003	-5.165	0.002	0.4
CC11	CC13	09592	3524.533	-0.004	-1728.690	0.001	0.1
			-1215.182	-0.001	3624.777	-0.004	-0.7
			-1492.775	0.002	-0.459	0.002	0.3
CC11	PP-3	09592	6965.141	-0.007	-1519.137	0.001	0.2
			-1428.226	-0.004	7069.964	-0.007	-0.7
			-1318.847	0.005	-14.332	0.007	0.8
CC12	R555	09592	1316.601	-0.001	521.493	-0.001	-0.3
			135.225	-0.013	1297.579	0.001	0.1
			451.607	0.006	2.681	0.014	2.7
CC12	CC-2	09591	-4075.308	0.003	2808.937	0.003	0.6
			1803.349	0.014	-4229.389	0.001	0.2
			2432.669	-0.004	14.756	-0.014	-2.0
CC12	CC13	09592	819.769	-0.002	-1426.692	0.004	1.1
			-806.151	0.007	893.261	-0.003	-0.5
			-1229.425	0.000	4.706	-0.006	-1.0
CC12	PP-1	09591	-4855.399	-0.001	7147.888	-0.002	-0.2
			4059.260	0.005	-5222.108	-0.001	-0.1
			6189.630	-0.005	36.025	-0.007	-0.6
CC12	PP-2	09591	2287.856	0.003	4879.090	-0.001	-0.1
			2241.092	0.003	2062.524	0.003	0.4
			4219.351	-0.003	13.412	-0.004	-0.5
CC12	PP-3	09592	4260.376	-0.001	-1217.139	-0.001	-0.3
			-1019.196	-0.007	4338.448	-0.000	-0.0
			-1055.498	0.002	-9.167	0.007	1.0
CC13	R555	09592	496.833	0.001	1948.185	-0.001	-0.2
			941.377	-0.008	404.318	0.001	0.2
			1681.033	0.004	-2.025	0.009	1.6
CC13	PP-3	09592	3440.607	0.000	209.553	-0.001	-0.2

			-213.045	-0.004	3445.187	0.001	0.1
			173.928	0.001	-13.873	0.003	0.6
PP-2	CC-2	09591	-6363.163	0.002	-2070.153	0.003	0.4
			-437.743	0.012	-6291.913	0.000	0.0
			-1786.682	-0.004	1.344	-0.013	-1.5
PP-2	PP-1	09591	-7143.255	0.001	2268.798	-0.002	-0.2
			1818.168	-0.014	-7284.632	0.002	0.3
			1970.279	0.006	22.613	0.015	1.7
PP-3	R555	09592	-2943.774	-0.004	1738.632	-0.002	-0.3
			1154.421	-0.011	-3040.868	-0.003	-0.4
			1507.105	0.005	11.848	0.012	2.0
CC13	U312	09691	1.507	-0.002	-1698.206	0.001	0.4
			-849.422	0.006	82.914	-0.003	-0.5
			-1472.900	-0.002	-13.232	-0.006	-1.1
CC13	CC14	09691	1902.466	-0.005	-2738.166	0.003	0.6
			-1562.404	0.004	2043.457	-0.005	-0.9
			-2369.153	0.001	-9.975	-0.003	-0.4
CC13	PP-4	09691	3253.600	-0.001	-6373.464	0.000	0.0
			-3522.469	0.002	3576.234	-0.001	-0.1
			-5515.197	-0.001	-24.531	-0.002	-0.2
CC14	U312	09691	-1900.959	0.004	1039.960	0.000	0.1
			712.982	0.000	-1960.544	0.004	0.7
			896.253	0.000	-3.258	-0.000	-0.0
CC14	CC17	09692	-2673.470	-0.009	-822.585	0.001	0.4
			-151.397	-0.004	-2646.651	-0.009	-1.5
			-714.935	0.005	-9.354	0.007	1.2
CC14	CC18	09692	-592.112	-0.003	-1978.034	-0.000	-0.0
			-939.676	0.002	-499.323	-0.003	-0.6
			-1711.256	-0.001	-6.800	-0.002	-0.3
CC14	PP-4	09691	1351.133	0.003	-3635.298	-0.001	-0.2
			-1960.065	0.000	1532.777	0.003	0.5
			-3146.044	-0.002	-14.556	-0.001	-0.2
CC14	PP-5	09692	-1140.165	-0.003	-6344.003	0.001	0.1
			-3090.250	-0.000	-838.729	-0.003	-0.4
			-5486.396	0.001	-17.862	0.001	0.1
CC17	CC18	09692	2081.358	0.003	-1155.449	0.001	0.2
			-788.279	0.002	2147.329	0.003	0.5
			-996.321	-0.001	2.554	-0.002	-0.4
CC17	PP-5	09692	1533.305	0.003	-5521.419	0.001	0.2
			-2938.853	0.000	1807.922	0.003	0.4
			-4771.461	0.001	-8.508	0.000	0.0
CC18	PP-5	09692	-548.053	-0.000	-4365.970	0.001	0.2
			-2150.574	0.002	-339.406	-0.000	-0.0
			-3775.140	0.000	-11.062	-0.002	-0.3
CC19	CC14	09692	1560.244	0.003	2238.258	0.001	0.3
			971.885	0.003	1459.910	0.003	0.4
			1939.696	-0.001	14.258	-0.003	-0.6

CC19	CC17	09692	-1113.226	-0.003	1415.674	0.000	0.1
			820.488	0.001	-1186.741	-0.003	-0.6
			1224.760	-0.000	4.904	-0.000	-0.1
CC19	CC18	09692	968.132	0.001	260.225	0.000	0.0
			32.209	-0.002	960.588	0.001	0.1
			228.439	0.001	7.458	0.002	0.5
CC19	PP-5	09692	420.079	0.000	-4105.745	-0.002	-0.5
			-2118.365	-0.002	621.181	0.001	0.1
			-3546.700	-0.002	-3.604	0.001	0.1
CI-5	U312	09691	-2362.132	-0.002	126.468	-0.002	-0.5
			290.949	-0.006	-2379.144	-0.002	-0.3
			109.541	0.001	0.692	0.006	1.0
CI-5	CC13	09691	-2363.639	-0.000	1824.674	-0.004	-0.8
			1140.371	-0.009	-2462.058	0.001	0.1
			1582.441	0.001	13.924	0.008	1.4
CI-5	CC14	09691	-461.173	-0.005	-913.492	-0.001	-0.3
			-422.033	-0.007	-418.600	-0.004	-0.9
			-786.712	0.003	3.949	0.008	1.5
CI-5	PP-4	09691	889.960	-0.002	-4548.790	0.001	0.1
			-2382.098	-0.003	1114.177	-0.002	-0.3
			-3932.756	0.002	-10.607	0.004	0.5
PP-4	U312	09691	-3252.093	0.001	4675.257	-0.001	-0.2
			2673.047	-0.002	-3493.321	0.001	0.1
			4042.297	-0.000	11.298	0.002	0.2
CC15	L149	09693	-1168.034	-0.004	-2821.542	-0.001	-0.2
			-1313.370	-0.005	-1036.776	-0.003	-0.6
			-2438.603	0.002	-4.947	0.006	1.0
CC15	CC17	09693	1161.488	0.003	-1341.906	-0.000	-0.1
			-788.090	-0.001	1231.676	0.003	0.7
			-1160.869	-0.000	-4.506	0.000	0.0
CC16	L149	09693	-865.455	-0.004	-1560.494	-0.000	-0.1
			-702.318	-0.003	-794.157	-0.004	-0.7
			-1350.408	0.002	-6.113	0.004	0.7
CC16	CC15	09693	302.579	0.001	1261.048	-0.000	-0.0
			611.053	-0.001	242.619	0.001	0.1
			1088.195	0.000	-1.166	0.001	0.2
CC16	CC17	09693	1464.067	0.003	-80.857	0.000	0.1
			-177.037	0.002	1474.295	0.003	0.6
			-72.674	-0.001	-5.672	-0.003	-0.5
CC17	L149	09693	-2329.522	-0.007	-1479.637	-0.001	-0.2
			-525.280	-0.007	-2268.452	-0.006	-1.1
			-1277.734	0.004	-0.441	0.009	1.5
CI-6	L149	09693	-5596.728	-0.002	-2154.802	-0.006	-0.9
			-549.355	-0.016	-5518.308	-0.001	-0.1
			-1862.730	0.003	-4.526	0.015	1.9
CI-6	CC15	09693	-4428.694	-0.001	666.740	-0.002	-0.4

			764.015	-0.006	-4481.533	-0.000	-0.0
			575.873	0.001	0.420	0.006	0.9
CI-6	CC16	09693	-4731.273	-0.000	-594.308	-0.000	-0.0
			152.962	-0.003	-4724.152	0.000	0.0
			-512.322	0.002	1.587	0.004	0.6
CI-6	CC17	09693	-3267.206	0.003	-675.165	-0.002	-0.4
			-24.075	-0.004	-3249.857	0.003	0.5
			-584.996	0.000	-4.086	0.003	0.6
CC-8	CC23	09992	157.804	0.004	-1276.792	-0.002	-0.6
			-663.509	-0.005	220.672	0.005	0.9
			-1101.702	-0.000	1.336	0.004	0.7
CC-8	CC24	09992	3848.632	-0.002	307.845	0.001	0.2
			-225.461	0.002	3852.523	-0.003	-0.4
			272.140	0.000	12.583	-0.001	-0.1
CC20	CC21	09991	-1402.850	-0.004	-516.332	0.002	0.7
			-124.040	0.008	-1384.503	-0.005	-1.0
			-447.305	-0.002	-2.986	-0.008	-1.5
CC20	PP-6	09991	-778.481	-0.003	-3655.310	0.002	0.4
			-1765.193	0.016	-605.711	-0.005	-0.8
			-3163.297	-0.007	-14.506	-0.017	-2.8
CC21	PP-6	09991	624.369	0.002	-3138.978	-0.002	-0.5
			-1641.153	-0.006	778.792	0.003	0.5
			-2715.992	0.001	-11.520	0.006	0.9
CC22	CC-8	09992	-2645.730	0.003	1334.065	-0.004	-0.9
			939.186	-0.010	-2723.567	0.003	0.6
			1147.029	0.001	-9.506	0.009	1.5
CC22	CC20	09991	3628.817	-0.008	-2070.543	0.011	2.1
			-1397.786	0.024	3746.082	-0.010	-1.6
			-1788.342	-0.001	-1.276	-0.020	-3.1
CC22	CC21	09991	2225.967	-0.001	-2586.875	-0.001	-0.1
			-1521.826	-0.004	2361.579	-0.001	-0.2
			-2235.647	0.001	-4.262	0.004	0.7
CC22	CC23	09992	-2487.926	0.006	57.273	-0.004	-0.9
			275.676	-0.009	-2502.895	0.007	1.2
			45.327	0.001	-8.170	0.008	1.5
CC22	CC24	09992	1202.902	0.004	1641.909	-0.000	-0.1
			713.725	-0.002	1128.957	0.004	0.8
			1419.170	0.001	3.077	0.002	0.4
CC22	PP-6	09991	2850.336	-0.004	-5725.853	0.003	0.4
			-3162.979	-0.002	3140.371	-0.004	-0.5
			-4951.639	0.005	-15.782	0.004	0.5
CC22	PP-9	09992	-5391.389	0.007	-1176.000	-0.001	-0.2
			-81.559	0.003	-5358.751	0.006	0.9
			-1012.664	-0.003	5.329	-0.004	-0.6
CC23	CC24	09992	3690.828	-0.003	1584.636	0.000	0.1
			438.049	0.002	3631.851	-0.003	-0.4
			1373.843	-0.001	11.247	-0.002	-0.3

CI-2	CC20	09991	3136.426	-0.002	97.025	-0.002	-0.5
			-259.340	0.007	3146.844	-0.003	-0.5
			87.560	-0.006	7.511	-0.009	-1.5
CI-2	CC21	09991	1733.577	0.007	-419.307	-0.003	-1.0
			-383.380	-0.011	1762.341	0.008	1.6
			-359.745	0.002	4.525	0.009	1.8
CI-2	CC22	09991	-492.390	0.007	2167.568	-0.001	-0.3
			1138.446	-0.007	-599.239	0.008	1.4
			1875.902	0.002	8.787	0.006	1.2
CI-2	PP-6	09991	2357.946	0.004	-3558.285	-0.001	-0.2
			-2024.533	-0.010	2541.133	0.005	0.7
			-3075.737	0.004	-6.995	0.010	1.5
PP-9	CC-8	09992	2745.658	0.001	2510.064	0.001	0.3
			1020.745	0.006	2635.184	0.000	0.0
			2159.694	-0.002	-14.835	-0.006	-0.9
PP-9	CC23	09992	2903.463	0.004	1233.273	-0.001	-0.3
			357.236	-0.003	2855.856	0.004	0.7
			1057.991	0.000	-13.500	0.002	0.4
PP-9	CC24	09992	6594.291	-0.001	2817.909	-0.002	-0.2
			795.284	-0.001	6487.707	-0.001	-0.1
			2431.834	-0.001	-2.252	0.000	0.0
CC23	N-88	09993	5078.336	0.002	540.295	0.001	0.2
			-232.533	-0.015	5077.244	0.003	0.5
			476.609	0.010	20.059	0.017	2.4
CC23	PP-7	09993	835.707	0.002	-6379.683	-0.002	-0.3
			-3319.050	0.002	1149.977	0.002	0.3
			-5505.301	-0.004	5.727	-0.003	-0.4
CI-1	N-88	09993	3030.648	0.005	2524.229	-0.009	-1.9
			971.418	-0.005	2923.589	0.005	0.8
			2188.829	-0.008	18.673	0.000	0.0
CI-1	CC23	09993	-2047.688	-0.001	1983.934	-0.003	-0.6
			1203.951	0.004	-2153.654	-0.002	-0.3
			1712.220	-0.006	-1.386	-0.007	-1.1
CI-1	CI-7	09993	-704.647	0.014	-1459.137	-0.015	-4.5
			-667.953	-0.012	-637.382	0.015	2.9
			-1262.009	-0.012	-4.354	0.003	0.5
CI-1	PP-7	09993	-1211.980	0.009	-4395.750	-0.001	-0.2
			-2115.099	-0.008	-1003.677	0.010	1.5
			-3793.081	0.003	4.341	0.007	1.1
CI-7	N-88	09993	3735.295	-0.010	3983.365	0.011	1.8
			1639.371	0.006	3560.972	-0.010	-1.4
			3450.838	0.010	23.027	0.000	0.1
CI-7	CC23	09993	-1343.041	-0.016	3443.070	0.015	3.1
			1871.904	0.010	-1516.272	-0.016	-2.6
			2974.229	0.012	2.968	-0.001	-0.2
CI-7	PP-7	09993	-507.334	-0.009	-2936.613	0.003	0.6

-1447.146	-0.002	-366.295	-0.009	-1.5
-2531.072	0.005	8.695	0.005	0.9

PP-7	N-88	09993	4242.629	-0.002	6919.978	0.005	0.6
			3086.517	-0.017	3927.267	-0.001	-0.1
			5981.910	0.016	14.333	0.023	2.5

S.E. OF UNIT WEIGHT = 1.436

NUMBER OF -	
OBS. EQUATIONS	438
UNKNOWN	136
DEGREES OF FREEDOM	302
ITERATIONS	0

GROUP 1 ROT. ANGLES (sec.) AND SCALE DIFF. (ppm):

HOR. SYSTEM	-1.978	1.104	-2.293	0.738
STD. ERRORS	0.088	0.115	0.068	0.354
XYZ SYSTEM	1.193	0.871	-2.864	

ADJUSTED POSITIONS:

		LAT.		LON.		ELEV.		STD. ERRORS (m)
1	1203	30 20	19.60522	95 27	27.19722	70.136	0.002	0.003 0.000
2	CC-1	30 23	31.52517	95 28	32.93567	94.359	0.006	0.007 0.007
3	CI02	30 16	59.78314	95 28	38.84792	43.104	0.000	0.000 0.000
4	CI-5	30 19	6.00391	95 24	1.23493	62.989	0.000	0.000 0.000
5	CC11	30 21	1.51262	95 27	49.02696	73.268	0.000	0.000 0.000
6	CI-3	30 19	51.00259	95 30	29.32142	67.419	0.000	0.000 0.000
7	P-88	30 16	33.09252	95 27	22.38684	43.248	0.007	0.010 0.000
8	Q_88	30 15	45.51299	95 27	21.30147	39.673	0.005	0.006 0.000
9	L-88	30 18	54.14633	95 27	21.96789	66.963	0.004	0.007 0.005
10	X149	30 19	18.24548	95 27	20.25823	66.112	0.003	0.005 0.000
11	N555	30 19	26.42083	95 26	28.53403	61.289	0.004	0.006 0.004
12	RM-1	30 18	44.21675	95 27	32.84905	63.909	0.004	0.006 0.004
13	L149	30 17	21.68720	95 27	20.92570	51.146	0.003	0.004 0.000
14	K149	30 18	1.91874	95 27	21.52816	61.000	0.004	0.006 0.000
15	CI-2	30 16	59.78314	95 28	38.84792	43.104	0.000	0.000 0.000
16	K-88	30 20	7.07768	95 27	23.53217	70.753	0.003	0.004 0.000
17	CC-5	30 21	3.92210	95 29	4.64858	84.175	0.003	0.004 0.004
18	CC-6	30 20	55.36725	95 31	10.34314	75.225	0.003	0.004 0.004
19	PP12	30 22	50.67534	95 31	44.15759	102.441	0.005	0.007 0.007
20	SJRA	30 21	51.79131	95 32	49.31149	64.871	0.004	0.006 0.006
21	PP10	30 19	37.84551	95 33	10.85945	60.852	0.004	0.005 0.006
22	CC-7	30 20	33.84579	95 31	56.36582	47.882	0.003	0.005 0.005
23	CC-9	30 19	16.84141	95 29	11.92730	72.265	0.004	0.006 0.006
24	CC10	30 19	56.32000	95 28	55.98229	70.609	0.004	0.006 0.006
25	CI-4	30 20	14.07457	95 31	1.22723	67.632	0.000	0.000 0.000
26	CC-3	30 21	57.82838	95 28	56.48005	82.821	0.003	0.005 0.005
27	CC-4	30 21	38.43004	95 28	29.31591	86.635	0.003	0.005 0.004
28	CC-2	30 22	22.93337	95 28	45.09445	84.916	0.006	0.007 0.007
29	CC12	30 20	51.66628	95 26	6.75760	69.926	0.003	0.005 0.004
30	PP-1	30 24	43.83593	95 29	22.25828	112.964	0.007	0.008 0.009
31	PP-2	30 23	30.06139	95 24	49.39493	91.620	0.007	0.008 0.008
32	R555	30 21	8.57432	95 25	18.16060	74.460	0.004	0.005 0.000
33	CC13	30 20	5.31868	95 25	33.34737	74.538	0.003	0.004 0.003
34	PP-3	30 20	12.03318	95 23	24.36212	65.570	0.005	0.006 0.005
35	U312	30 19	10.17020	95 25	30.28473	60.593	0.003	0.005 0.005
36	CC14	30 18	36.35109	95 24	16.93230	66.096	0.003	0.004 0.004

37	PP-4	30 16 38.25376	95 23 19.69666	54.323	0.005	0.006	0.006
38	CC17	30 18 9.70042	95 25 56.00786	53.398	0.003	0.004	0.004
39	CC18	30 17 32.13010	95 24 35.67907	58.557	0.004	0.006	0.006
40	PP-5	30 15 10.35814	95 24 48.50385	49.131	0.006	0.007	0.007
41	CC19	30 17 23.70292	95 25 11.63152	49.908	0.004	0.006	0.006
42	CC15	30 18 53.29878	95 26 42.07888	56.970	0.004	0.005	0.005
43	CC16	30 18 12.35150	95 26 51.18179	57.739	0.004	0.005	0.004
44	CI-6	30 18 31.54688	95 23 54.36047	61.698	0.000	0.000	0.000
45	CC-8	30 18 53.49984	95 30 43.19277	42.064	0.004	0.006	0.006
46	CC23	30 18 12.03817	95 30 34.92904	43.161	0.003	0.004	0.004
47	CC24	30 19 3.48776	95 28 18.99218	55.200	0.005	0.006	0.006
48	CC20	30 17 2.89902	95 26 41.09948	52.432	0.004	0.005	0.005
49	CC21	30 16 46.15065	95 27 32.91133	48.607	0.003	0.005	0.005
50	PP-6	30 15 4.20509	95 27 3.82235	39.513	0.005	0.006	0.006
51	CC22	30 18 10.17592	95 29 1.25834	51.453	0.003	0.004	0.004
52	PP-9	30 17 31.96901	95 32 21.79340	57.764	0.005	0.007	0.007
53	N-88	30 18 29.55931	95 27 24.90554	64.551	0.005	0.006	0.000
54	PP-7	30 14 44.86565	95 29 51.89578	51.654	0.004	0.005	0.006
55	CI-1	30 17 7.61116	95 29 14.33662	44.789	0.000	0.000	0.000
56	CI-7	30 16 20.22881	95 29 38.18927	40.883	0.000	0.000	0.000

ACCURACIES (m) :

		D. LAT.	D. LON.	VERT.
1203	CC-1	0.006	0.007	0.007
1203	CI02	0.002	0.003	0.000
CC-1	CI02	0.006	0.007	0.007
CI-5	1203	0.002	0.003	0.000
CI-5	CC-1	0.006	0.007	0.007
CI-5	CI02	0.000	0.000	0.000
CC11	1203	0.002	0.003	0.000
CC11	CI02	0.000	0.000	0.000
CC11	CI-3	0.000	0.000	0.000
CI02	1203	0.002	0.003	0.000
CI02	CI-3	0.000	0.000	0.000
CI-3	1203	0.002	0.003	0.000
CI-5	1203	0.002	0.003	0.000
CI-5	CC11	0.000	0.000	0.000
CI-5	CI02	0.000	0.000	0.000
CI-5	CI-3	0.000	0.000	0.000
P-88	Q_88	0.005	0.007	0.000
L-88	X149	0.003	0.005	0.005
L-88	N555	0.003	0.005	0.005
L-88	RM-1	0.003	0.005	0.005
L149	Q_88	0.005	0.006	0.000
K149	L149	0.004	0.006	0.000
K149	X149	0.003	0.005	0.000
K149	N555	0.004	0.005	0.004
K149	RM-1	0.003	0.005	0.004
N555	X149	0.003	0.005	0.004
N555	RM-1	0.003	0.005	0.005
CI-2	Q_88	0.005	0.006	0.000
CI-2	L149	0.003	0.004	0.000
RM-1	X149	0.003	0.005	0.004
K-88	X149	0.003	0.005	0.000
1203	K-88	0.003	0.004	0.000
1203	X149	0.003	0.005	0.000
CI-3	K-88	0.003	0.004	0.000
CI-3	X149	0.003	0.005	0.000
CI-3	1203	0.002	0.003	0.000
CC-5	CC-6	0.003	0.004	0.004
CC-5	PP12	0.005	0.006	0.007

CC-6	SJRA	0.004	0.005	0.005
CC-6	PP10	0.004	0.005	0.005
CC-6	PP12	0.005	0.006	0.006
CC-7	CC-6	0.003	0.005	0.005
CC-7	SJRA	0.004	0.005	0.005
CC-7	PP10	0.004	0.005	0.005
CC-9	CC-5	0.004	0.005	0.006
CC-9	CC-6	0.004	0.006	0.006
CC-9	CC10	0.004	0.005	0.005
CC-9	PP12	0.006	0.007	0.008
CC10	CC-5	0.004	0.005	0.005
CC10	CC-6	0.004	0.005	0.006
CC10	PP12	0.006	0.007	0.008
CI-4	CC-6	0.003	0.004	0.004
CI-4	CC-7	0.003	0.005	0.005
CI-4	SJRA	0.004	0.006	0.006
CI-4	PP10	0.004	0.005	0.006
PP10	SJRA	0.005	0.006	0.006
CC-3	K-88	0.004	0.005	0.005
CC-3	CC-4	0.003	0.005	0.005
CC-3	CC-5	0.003	0.005	0.005
CC-4	K-88	0.003	0.005	0.004
CC-4	CC-5	0.003	0.005	0.005
CC-5	K-88	0.003	0.005	0.004
CC11	K-88	0.003	0.004	0.000
CC11	CC-3	0.003	0.005	0.005
CC11	CC-4	0.003	0.005	0.004
CC11	CC-5	0.003	0.004	0.004
CC-1	CC-2	0.004	0.006	0.006
CC-1	CC12	0.005	0.006	0.007
CC-1	PP-1	0.004	0.006	0.006
CC-1	PP-2	0.006	0.007	0.007
CC-2	PP-1	0.005	0.006	0.007
CC11	R555	0.004	0.005	0.000
CC11	CC12	0.003	0.005	0.004
CC11	CC13	0.003	0.004	0.003
CC11	PP-3	0.005	0.006	0.005
CC12	R555	0.003	0.005	0.004
CC12	CC-2	0.005	0.006	0.007
CC12	CC13	0.003	0.005	0.005
CC12	PP-1	0.006	0.007	0.008
CC12	PP-2	0.006	0.007	0.007
CC12	PP-3	0.005	0.006	0.006
CC13	R555	0.003	0.005	0.003
CC13	PP-3	0.004	0.006	0.006
PP-2	CC-2	0.006	0.007	0.007
PP-2	PP-1	0.007	0.008	0.008
PP-3	R555	0.004	0.006	0.005
CC13	U312	0.003	0.005	0.005
CC13	CC14	0.003	0.005	0.005
CC13	PP-4	0.005	0.006	0.007
CC14	U312	0.004	0.005	0.005
CC14	CC17	0.003	0.004	0.004
CC14	CC18	0.003	0.005	0.005
CC14	PP-4	0.005	0.006	0.006
CC14	PP-5	0.005	0.006	0.007
CC17	CC18	0.003	0.005	0.005
CC17	PP-5	0.005	0.006	0.007
CC18	PP-5	0.005	0.006	0.006
CC19	CC14	0.004	0.005	0.005
CC19	CC17	0.003	0.005	0.005
CC19	CC18	0.003	0.005	0.005

CC19	PP-5	0.005	0.006	0.006
CI-5	U312	0.003	0.005	0.005
CI-5	CC13	0.003	0.004	0.003
CI-5	CC14	0.003	0.004	0.004
CI-5	PP-4	0.005	0.006	0.006
PP-4	U312	0.005	0.006	0.007
CC15	L149	0.004	0.005	0.005
CC15	CC17	0.003	0.005	0.005
CC16	L149	0.003	0.005	0.004
CC16	CC15	0.003	0.005	0.005
CC16	CC17	0.003	0.005	0.005
CC17	L149	0.003	0.004	0.004
CI-6	L149	0.003	0.004	0.000
CI-6	CC15	0.004	0.005	0.005
CI-6	CC16	0.004	0.005	0.004
CI-6	CC17	0.003	0.004	0.004
CC-8	CC23	0.003	0.005	0.005
CC-8	CC24	0.004	0.006	0.006
CC20	CC21	0.004	0.005	0.005
CC20	PP-6	0.005	0.006	0.006
CC21	PP-6	0.004	0.006	0.006
CC22	CC-8	0.004	0.005	0.005
CC22	CC20	0.004	0.006	0.006
CC22	CC21	0.004	0.005	0.005
CC22	CC23	0.003	0.004	0.004
CC22	CC24	0.004	0.005	0.005
CC22	PP-6	0.005	0.006	0.007
CC22	PP-9	0.005	0.006	0.006
CC23	CC24	0.004	0.006	0.006
CI-2	CC20	0.004	0.005	0.005
CI-2	CC21	0.003	0.005	0.005
CI-2	CC22	0.003	0.004	0.004
CI-2	PP-6	0.005	0.006	0.006
PP-9	CC-8	0.005	0.006	0.006
PP-9	CC23	0.004	0.006	0.006
PP-9	CC24	0.005	0.007	0.007
CC23	N-88	0.005	0.006	0.004
CC23	PP-7	0.005	0.006	0.007
CI-1	N-88	0.005	0.006	0.000
CI-1	CC23	0.003	0.004	0.004
CI-1	CI-7	0.000	0.000	0.000
CI-1	PP-7	0.004	0.005	0.006
CI-7	N-88	0.005	0.006	0.000
CI-7	CC23	0.003	0.004	0.004
CI-7	PP-7	0.004	0.005	0.006
PP-7	N-88	0.006	0.007	0.006

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****
****          ESTIMATES OF PRECISION          ****
****
****          Based on the VECTOR ACCURACIES produced by          ****
****                    FILLNET                    ****
****
****          This is a reasonable estimate of the accuracies     ****
****          of the vectors in the network at 1 SIGMA.          ****
****
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VECTOR	LENGTH	PPM(h)	RATIO(h)	PPM(v)	RATIO(v)
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1203	CC-1	6165.313	1.5	1:	668719	1.1	1:	880759
1203	CI02	6444.305	0.6	1:	1787315	0.0	1:	0
CC-1	CI02	12064.548	0.8	1:	1308576	0.6	1:	1723507
CI-5	1203	5950.486	0.6	1:	1650365	0.0	1:	0
CI-5	CC-1	10931.960	0.8	1:	1185733	0.6	1:	1561709
CI-5	CI02	8374.673	0.0	1:	0	0.0	1:	0
CC11	1203	1416.111	2.5	1:	392758	0.0	1:	0
CC11	CI02	7561.971	0.0	1:	0	0.0	1:	0
CC11	CI-3	4800.582	0.0	1:	0	0.0	1:	0
CI02	1203	6444.305	0.6	1:	1787315	0.0	1:	0
CI02	CI-3	6042.608	0.0	1:	0	0.0	1:	0
CI-3	1203	4943.923	0.7	1:	1371198	0.0	1:	0
CI-5	1203	5950.486	0.6	1:	1650365	0.0	1:	0
CI-5	CC11	7048.132	0.0	1:	0	0.0	1:	0
CI-5	CI02	8374.673	0.0	1:	0	0.0	1:	0
CI-5	CI-3	10459.679	0.0	1:	0	0.0	1:	0
P-88	Q_88	1465.446	5.9	1:	170354	0.0	1:	0
L-88	XI49	743.517	7.8	1:	127512	6.7	1:	148703
L-88	N555	1739.434	3.4	1:	298308	2.9	1:	347887
L-88	RM-1	421.926	13.8	1:	72358	11.9	1:	84385
L149	Q_88	2961.615	2.6	1:	379192	0.0	1:	0
K149	L149	1239.034	5.8	1:	171818	0.0	1:	0
K149	X149	2350.664	2.5	1:	403135	0.0	1:	0
K149	N555	2962.430	2.2	1:	462654	1.4	1:	740607
K149	RM-1	1337.194	4.4	1:	229326	3.0	1:	334298
N555	X149	1404.558	4.2	1:	240877	2.8	1:	351139
N555	RM-1	2154.400	2.7	1:	369476	2.3	1:	430880
CI-2	Q_88	3086.531	2.5	1:	395189	0.0	1:	0
CI-2	L149	2188.975	2.3	1:	437793	0.0	1:	0
RM-1	X149	1100.555	5.3	1:	188743	3.6	1:	275139
K-88	X149	1506.298	3.9	1:	258327	0.0	1:	0
1203	K-88	398.005	12.6	1:	79601	0.0	1:	0
1203	X149	1898.600	3.1	1:	325607	0.0	1:	0
CI-3	K-88	4987.446	1.0	1:	997489	0.0	1:	0
CI-3	X149	5150.366	1.1	1:	883280	0.0	1:	0
CI-3	1203	4943.923	0.7	1:	1371198	0.0	1:	0
CC-5	CC-6	3367.327	1.5	1:	673463	1.2	1:	841832
CC-5	PP12	5380.521	1.5	1:	688903	1.3	1:	768646
CC-6	SJRA	3163.023	2.0	1:	493977	1.6	1:	632605
CC-6	PP10	4007.684	1.6	1:	625891	1.2	1:	801537
CC-6	PP12	3663.967	2.1	1:	469114	1.6	1:	610661
CC-7	CC-6	1396.748	4.2	1:	239495	3.6	1:	279350
CC-7	SJRA	2785.855	2.3	1:	435072	1.8	1:	557171
CC-7	PP10	2633.147	2.4	1:	411224	1.9	1:	526629
CC-9	CC-5	3303.224	1.9	1:	515875	1.8	1:	550537
CC-9	CC-6	4382.965	1.6	1:	607808	1.4	1:	730494
CC-9	CC10	1288.175	5.0	1:	201179	3.9	1:	257635
CC-9	PP12	7738.944	1.2	1:	839402	1.0	1:	967368
CC10	CC-5	2094.635	3.1	1:	327122	2.4	1:	418927
CC10	CC-6	4023.146	1.6	1:	628310	1.5	1:	670524
CC10	PP12	7000.028	1.3	1:	759254	1.1	1:	875004
CI-4	CC-6	1294.703	3.9	1:	258937	3.1	1:	323676
CI-4	CC-7	1593.768	3.7	1:	273306	3.1	1:	318754
CI-4	SJRA	4169.828	1.7	1:	578250	1.4	1:	694971
CI-4	PP10	3638.064	1.8	1:	568169	1.6	1:	606344
PP10	SJRA	4164.722	1.9	1:	533238	1.4	1:	694120
CC-3	K-88	4218.282	1.5	1:	658783	1.2	1:	843656
CC-3	CC-4	939.704	6.2	1:	161156	5.3	1:	187941
CC-3	CC-5	1674.286	3.5	1:	287137	3.0	1:	334857
CC-4	K-88	3316.760	1.8	1:	568814	1.2	1:	829190
CC-4	CC-5	1421.127	4.1	1:	243721	3.5	1:	284225
CC-5	K-88	3218.456	1.8	1:	551956	1.2	1:	804614

CC11	K-88	1809.319	2.8	1:	361864	0.0	1:	0
CC11	CC-3	2500.491	2.3	1:	428828	2.0	1:	500098
CC11	CC-4	1565.341	3.7	1:	268445	2.6	1:	391335
CC11	CC-5	2021.042	2.5	1:	404202	2.0	1:	505261
CC-1	CC-2	2137.076	3.4	1:	296358	2.8	1:	356179
CC-1	CC12	6282.496	1.2	1:	804387	1.1	1:	897499
CC-1	PP-1	2586.958	2.8	1:	358741	2.3	1:	431160
CC-1	PP-2	5967.859	1.5	1:	647305	1.2	1:	852551
CC-2	PP-1	4451.117	1.8	1:	569901	1.6	1:	635874
CC11	R555	4035.071	1.6	1:	630172	0.0	1:	0
CC11	CC12	2748.165	2.1	1:	471306	1.5	1:	687041
CC11	CC13	4015.891	1.2	1:	803178	0.7	1:	1338630
CC11	PP-3	7231.347	1.1	1:	925877	0.7	1:	1446269
CC12	R555	1398.454	4.2	1:	239832	2.9	1:	349613
CC12	CC-2	5077.211	1.5	1:	650068	1.4	1:	725316
CC12	CC13	1683.267	3.5	1:	288677	3.0	1:	336653
CC12	PP-1	8852.345	1.0	1:	960164	0.9	1:	1106543
CC12	PP-2	5297.141	1.7	1:	574554	1.3	1:	756734
CC12	PP-3	4505.956	1.7	1:	576927	1.3	1:	750993
CC13	R555	1989.699	2.9	1:	341230	1.5	1:	663233
CC13	PP-3	3451.582	2.1	1:	478644	1.7	1:	575264
PP-2	CC-2	6623.723	1.4	1:	718444	1.1	1:	946246
PP-2	PP-1	7629.798	1.4	1:	717748	1.0	1:	953725
PP-3	R555	3502.836	2.1	1:	485753	1.4	1:	700567
CC13	U312	1700.280	3.4	1:	291587	2.9	1:	340056
CC13	CC14	3416.631	1.7	1:	585945	1.5	1:	683326
CC13	PP-4	7308.289	1.1	1:	935725	1.0	1:	1044041
CC14	U312	2219.293	2.9	1:	346595	2.3	1:	443859
CC14	CC17	2771.551	1.8	1:	554307	1.4	1:	692888
CC14	CC18	2040.095	2.9	1:	349871	2.5	1:	408019
CC14	PP-4	3945.251	2.0	1:	505134	1.5	1:	657542
CC14	PP-5	6399.231	1.2	1:	819334	1.1	1:	914176
CC17	CC18	2438.461	2.4	1:	418192	2.1	1:	487692
CC17	PP-5	5809.881	1.3	1:	743878	1.2	1:	829983
CC18	PP-5	4379.157	1.8	1:	560692	1.4	1:	729859
CC19	CC14	2672.328	2.4	1:	417342	1.9	1:	534466
CC19	CC17	1847.298	3.2	1:	316808	2.7	1:	369460
CC19	CC18	995.240	5.9	1:	170677	5.0	1:	199048
CC19	PP-5	4152.472	1.9	1:	531669	1.4	1:	692079
CI-5	U312	2382.503	2.4	1:	408596	2.1	1:	476501
CI-5	CC13	3064.532	1.6	1:	612900	1.0	1:	1021511
CI-5	CC14	1004.843	5.0	1:	200967	4.0	1:	251211
CI-5	PP-4	4683.267	1.7	1:	599629	1.3	1:	780545
PP-4	U312	5836.219	1.3	1:	747250	1.2	1:	833746
CC15	L149	3005.999	2.1	1:	469457	1.7	1:	601200
CC15	CC17	1821.471	3.2	1:	312379	2.7	1:	364294
CC16	L149	1750.961	3.3	1:	300285	2.3	1:	437740
CC16	CC15	1284.176	4.5	1:	220234	3.9	1:	256835
CC16	CC17	1476.522	3.9	1:	253219	3.4	1:	295304
CC17	L149	2708.357	1.8	1:	541671	1.5	1:	677089
CI-6	L149	5924.096	0.8	1:	1184819	0.0	1:	0
CI-6	CC15	4530.859	1.4	1:	707601	1.1	1:	906172
CI-6	CC16	4761.388	1.3	1:	743604	0.8	1:	1190347
CI-6	CC17	3319.252	1.5	1:	663850	1.2	1:	829813
CC-8	CC23	1295.722	4.5	1:	222214	3.9	1:	259144
CC-8	CC24	3864.823	1.9	1:	535952	1.6	1:	644137
CC20	CC21	1477.652	4.3	1:	230770	3.4	1:	295530
CC20	PP-6	3705.184	2.1	1:	474397	1.6	1:	617531
CC21	PP-6	3234.166	2.2	1:	448495	1.9	1:	539028
CC22	CC-8	3032.761	2.1	1:	473635	1.6	1:	606552
CC22	CC20	4280.220	1.7	1:	593560	1.4	1:	713370
CC22	CC21	3502.713	1.8	1:	547031	1.4	1:	700543

CC22	CC23	2503.564	2.0	1:	500710	1.6	1:	625891
CC22	CC24	1992.591	3.2	1:	311190	2.5	1:	398518
CC22	PP-6	6530.511	1.2	1:	836144	1.1	1:	932930
CC22	PP-9	5486.275	1.4	1:	702445	1.1	1:	914379
CC23	CC24	3962.517	1.8	1:	549500	1.5	1:	660419
CI-2	CC20	3148.348	2.0	1:	491688	1.6	1:	629670
CI-2	CC21	1811.542	3.2	1:	310676	2.8	1:	362308
CI-2	CC22	2248.892	2.2	1:	449775	1.8	1:	562223
CI-2	PP-6	4372.505	1.8	1:	559841	1.4	1:	728751
PP-9	CC-8	3639.346	2.1	1:	465967	1.6	1:	606558
PP-9	CC23	3110.797	2.3	1:	431386	1.9	1:	518466
PP-9	CC24	7073.257	1.2	1:	822249	1.0	1:	1010465
CC23	N-88	5105.950	1.5	1:	653745	0.8	1:	1276488
CC23	PP-7	6482.502	1.2	1:	829999	1.1	1:	926072
CI-1	N-88	3862.571	2.0	1:	494546	0.0	1:	0
CI-1	CC23	2928.177	1.7	1:	585635	1.4	1:	732044
CI-1	CI-7	1592.280	0.0	1:	0	0.0	1:	0
CI-1	PP-7	4508.881	1.4	1:	704169	1.3	1:	751480
CI-7	N-88	5343.056	1.5	1:	684102	0.0	1:	0
CI-7	CC23	3762.156	1.3	1:	752431	1.1	1:	940539
CI-7	PP-7	2959.382	2.2	1:	462176	2.0	1:	493230
PP-7	N-88	7956.741	1.2	1:	863028	0.8	1:	1326123