

MISSOURI GEOGRAPHIC REFERENCE SYSTEM

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGY AND LAND SURVEY
LAND SURVEY PROGRAM

PO Box 250, Rolla, Missouri 65402, (573) 368-2300

STATION NAME: BU-06

PID: AD9779

COUNTY: Buchanan

STATE: Missouri

TOWNSHIP: 57 NORTH, RANGE: 35 WEST, SECTION: E 1/2 OF 10

USGS 7.5' QUAD: St. Joseph North

DATE MONUMENTED: 1993

MONUMENTED BY: MODNR

TECHNICAL DATA TABLE:

(All data in meters 1 meter = 3.28083333 feet)

HORIZONTAL: NAD 1983**VERTICAL:** NAVD 1988

DATE OF OBSERVATIONS: 1993

DATE OF OBSERVATIONS: 1993

DATE OF ADJUSTMENT: 2000

DATE OF ADJUSTMENT: 1993

ORDER: 1st

ORDER:

LATITUDE: 39°46'10.18512"

ELEVATION: 297.7

LONGITUDE: 94°48'22.87057"

ELLIPSOID HEIGHT: 265.74

MISSOURI COORDINATE SYSTEM 1983:

NORTH (Y): 399920.868

EAST (X): 823753.111

ZONE: West

CONVERGENCE: -00°11'46"

GRID FACTOR: .9999080

AZIMUTH INFORMATION:

STATION: BU-06

AZIMUTH MARK: BU-06A

GEODETTIC:

ASTRONOMIC: 00°22'34"

GRID: 00°34'20"

REMARKS

The HORIZONTAL POSITION was determined by GPS observations and adjusted by the National Geodetic Survey in February 2000.

The AZIMUTH was determined by observation of Polaris with an estimated accuracy of 1 second of arc.

The ELEVATION was determined by GPS observations.

The ELLIPSOID HEIGHT was determined by GPS observations referenced to NAD83.

GEOID 99 was used in determining ELEVATION and ELLIPSOID HEIGHT.

STATION: BU-06

DESCRIPTION: The station is a standard DNR aluminum GRS disk stamped "BU-06, 1993", set in a 12 inch diameter concrete post flush with the ground surface. The station has an underground mark 0.768 meters below the surface disk. The azimuth mark is a standard DNR aluminum GRS disk stamped "BU-06A, 1993", set in a 12 inch diameter concrete post flush with the ground surface.

STATION, AZIMUTH MARKS AND REFERENCE TIES: The station is located in the southwest angle of the intersection for Faraon and 36th Streets in St. Joseph, MO, on an area mowed as lawn of the N.S. Hillyard AVTS School. It is 28.6 feet south of the south edge of Faraon pavement; 22.9 feet west of back curb; 24.4 feet northwest of a cross on the southwest corner of a curb inlet; 34.2 feet northeast of a V on the center of a 15 inch reinforced concrete pipe, headwall and 13.6 feet southwest of a witness sticker on a traffic signal post.

The azimuth mark is 0.3 mile north of the station and on the West Side of 36th Street and opposite a T-junction of an unnamed street east. It is 4.9 feet southwest of a guardrail post; 8.2 feet back of curb; 4.6 feet northwest of the southwest bolt in the end panel of the guardrail; and 41.5+ feet north of the extended center of the unnamed street.

STATION & AZIMUTH MARK TO REACH: To reach the station from the junction of US Highway 69 (Belt Highway) and Missouri Highway 6 (Frederick Boulevard) in St. Joseph, Mo, go south on Belt Highway for 0.5 mile to traffic light intersection with Faraon Street. Turn right and go west on Faraon for 0.15 mile (1 block) to traffic light intersection with 36th Street and station on left in southwest angle of intersection as described.

To reach the azimuth mark from the station, go north on 36th Street for 0.25 mile to the south end of a guardrail and azimuth mark on the left (west) side of street as described.

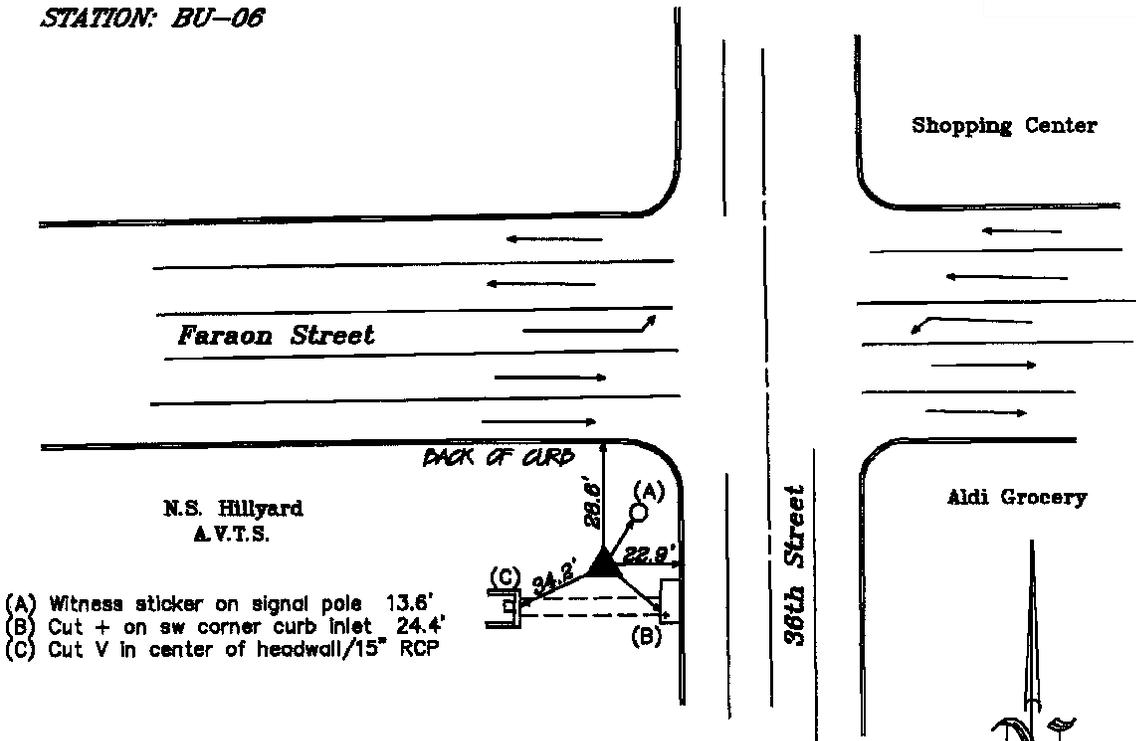
SPECIAL INFORMATION:

SUPERSEDED SURVEY CONTROL

NGS NAD 83(1997)-	39°46'10.18511"(N)	94°48'22.87059"(W)
NGS NAD 83(1997)-	39°46'10.18511"(N)	94°48'22.87059"(W)
NGS NAD 83(1986)-	39°46'10.18787"(N)	94°48'22.86660"(W)
MODNR NAD 83(1986)-	39°46'10.18748"(N)	94°48'22.86671"(W)

DATE of REPORT, 2002

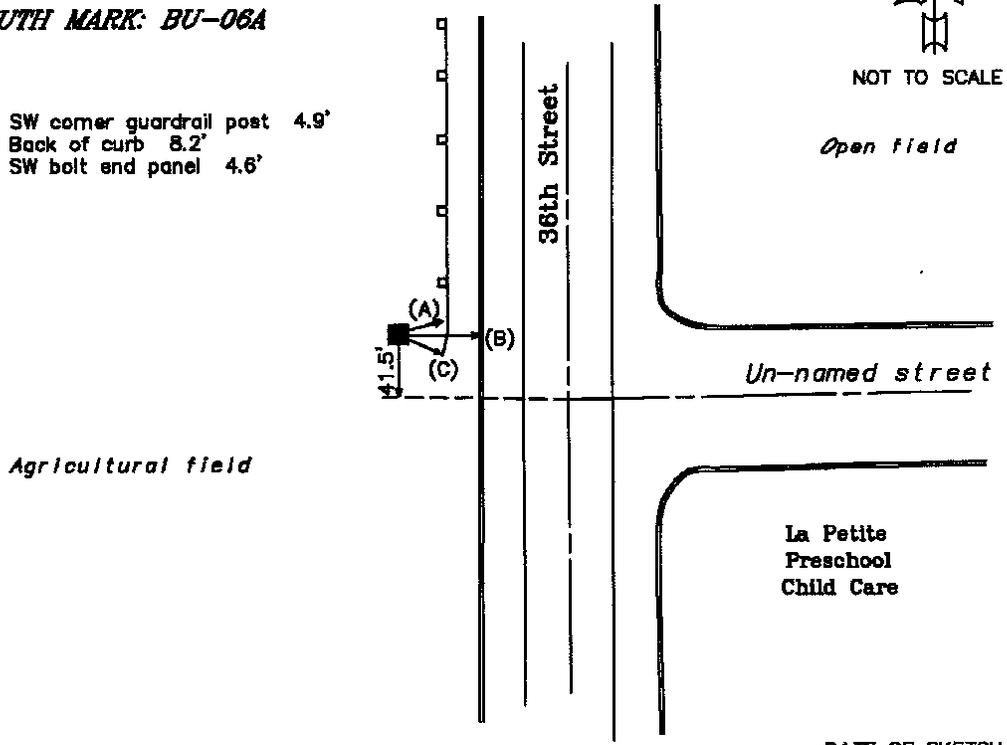
STATION: BU-06



- (A) Witness sticker on signal pole 13.8'
- (B) Cut + on sw corner curb inlet 24.4'
- (C) Cut V in center of headwall/15" RCP

AZIMUTH MARK: BU-06A

- (A) SW corner guardrail post 4.9'
- (B) Back of curb 8.2'
- (C) SW bolt end panel 4.6'



DATE OF SKETCH 2001



STATION: BU-06 (LOOKING NORTH)



STATION: BU-06 (LOOKING EAST)