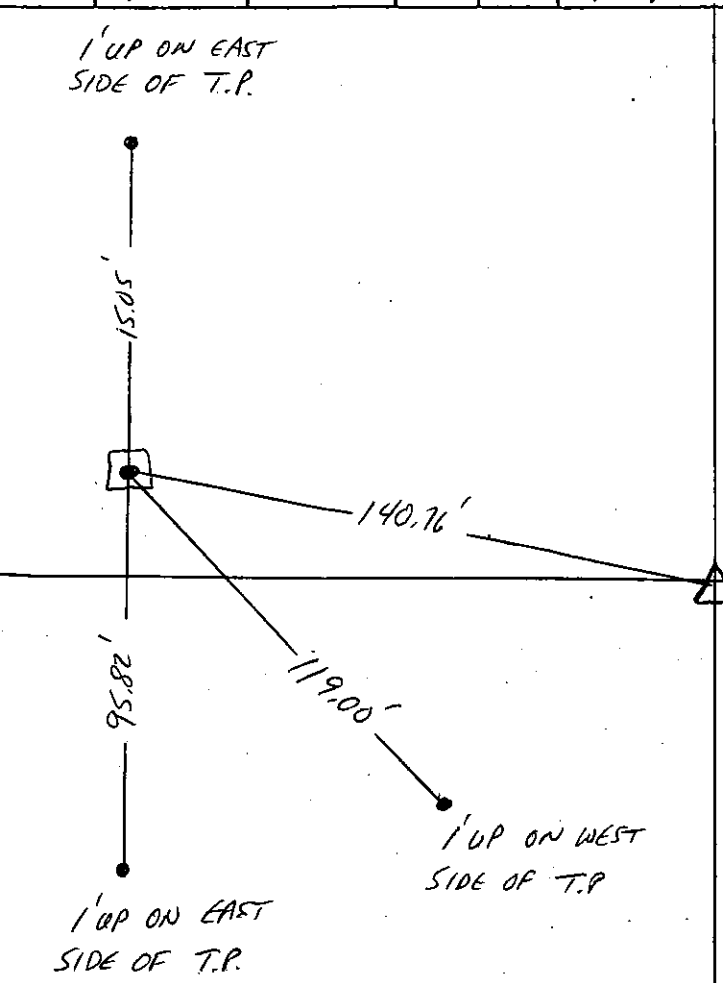
COUNTY SURVEYOR'S SECTION CORNER TIES

ECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
16	18	8			937.62'	X=	Y=		



IRON PIPE FLUSH WITH ROAD

ST. RD 36

200 EAST

NORTH

Tied by: MC/RW Date: 1/16/02

Drawn by: MC Date: 1/30/02

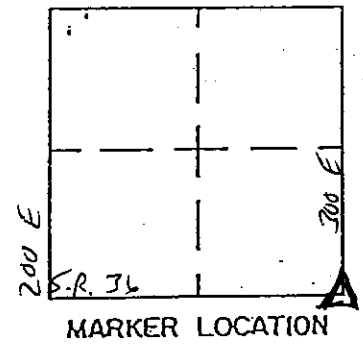
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST

BENCHMARK DESIGNATION

S-247



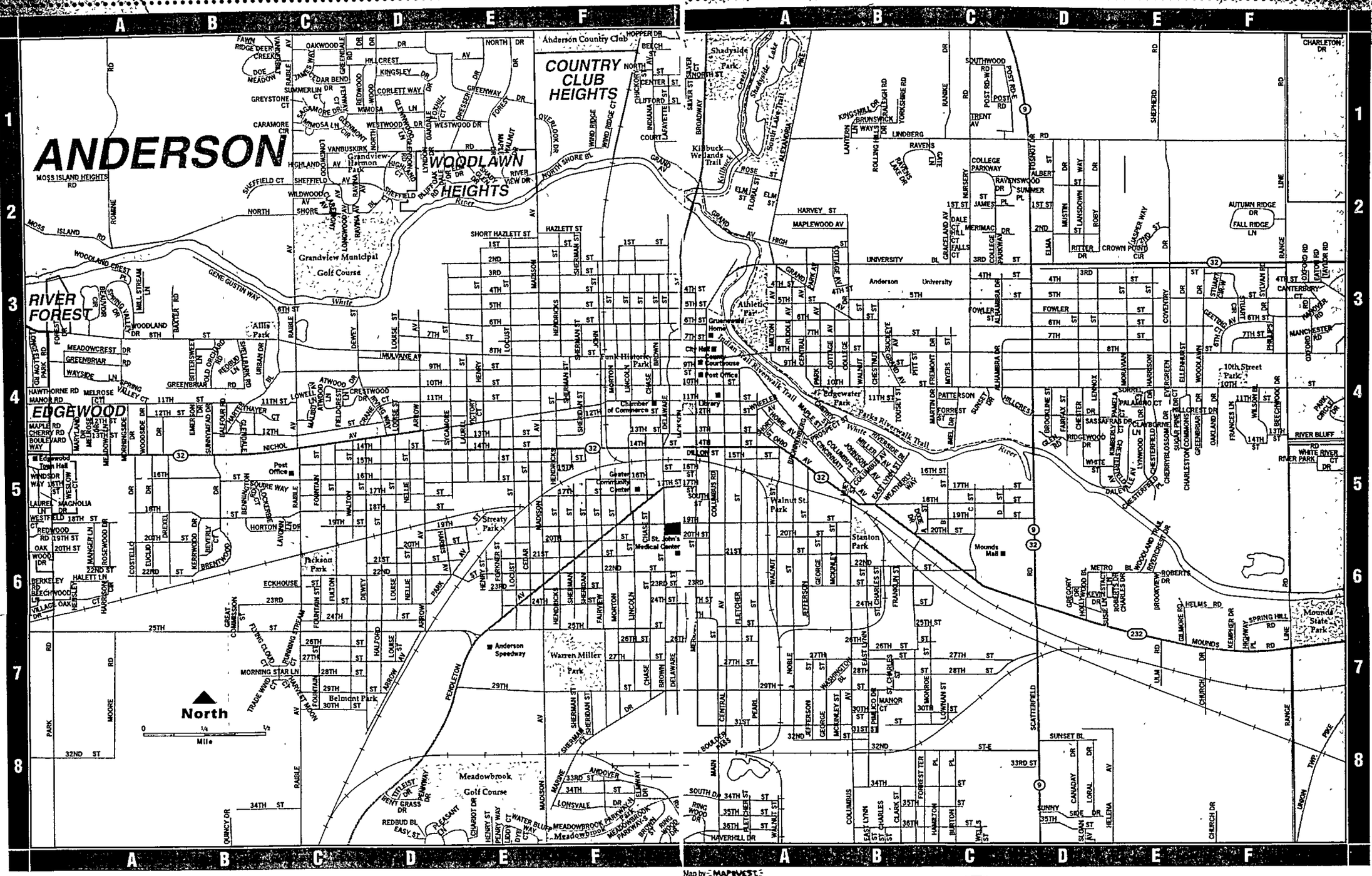
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

Anderson (West)

Anderson (East)



Map by MAPQUEST

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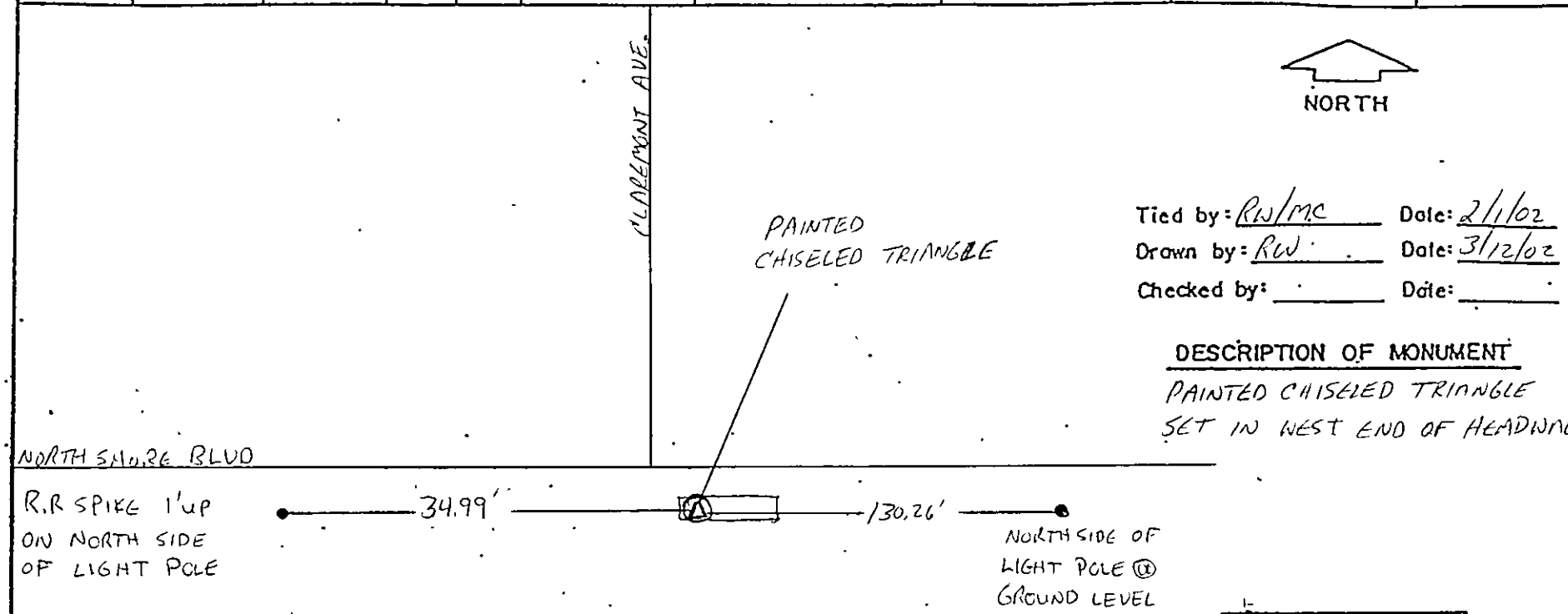
COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
11	19	7			867.638	X=	Y=		



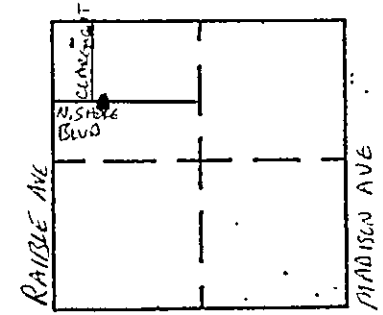
Tied by: RW/MC Date: 2/1/02

Drawn by: RW Date: 3/12/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

PAINTED CHISELED TRIANGLE SET IN WEST END OF HEADWALL



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

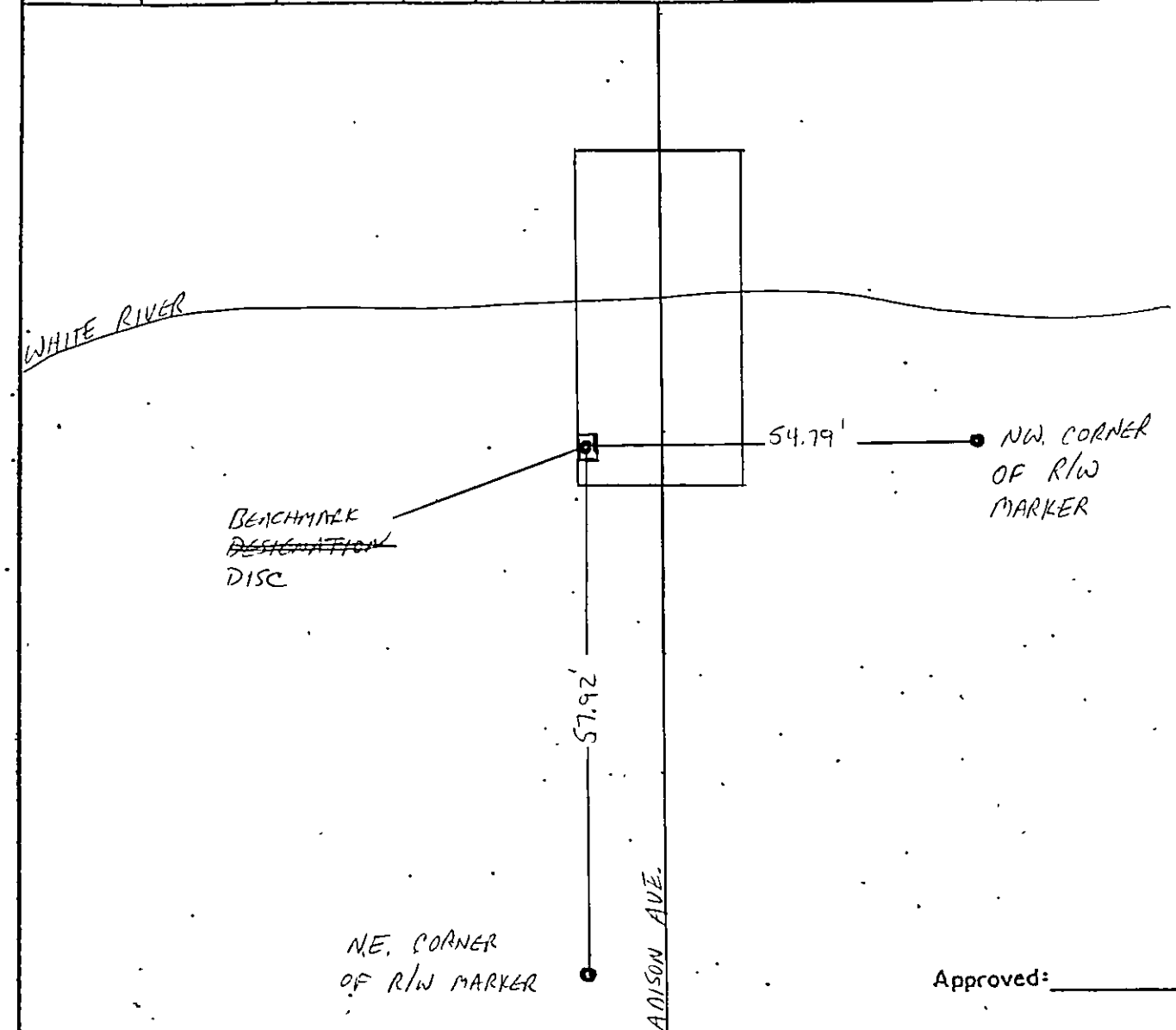
SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
11	19	7			844.623	X=	Y=		

NORTH

Tied by: RW/MS Date: 2/4/02

Drawn by: RW Date: 3/14/02

Checked by: _____ Date: _____

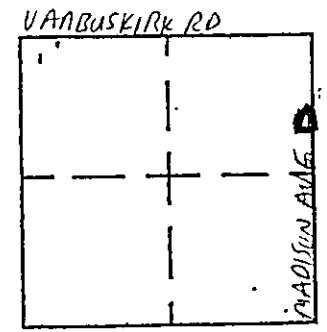


DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN BRIDGE.

BENCHMARK DESIGNATION

MAD 101 1989



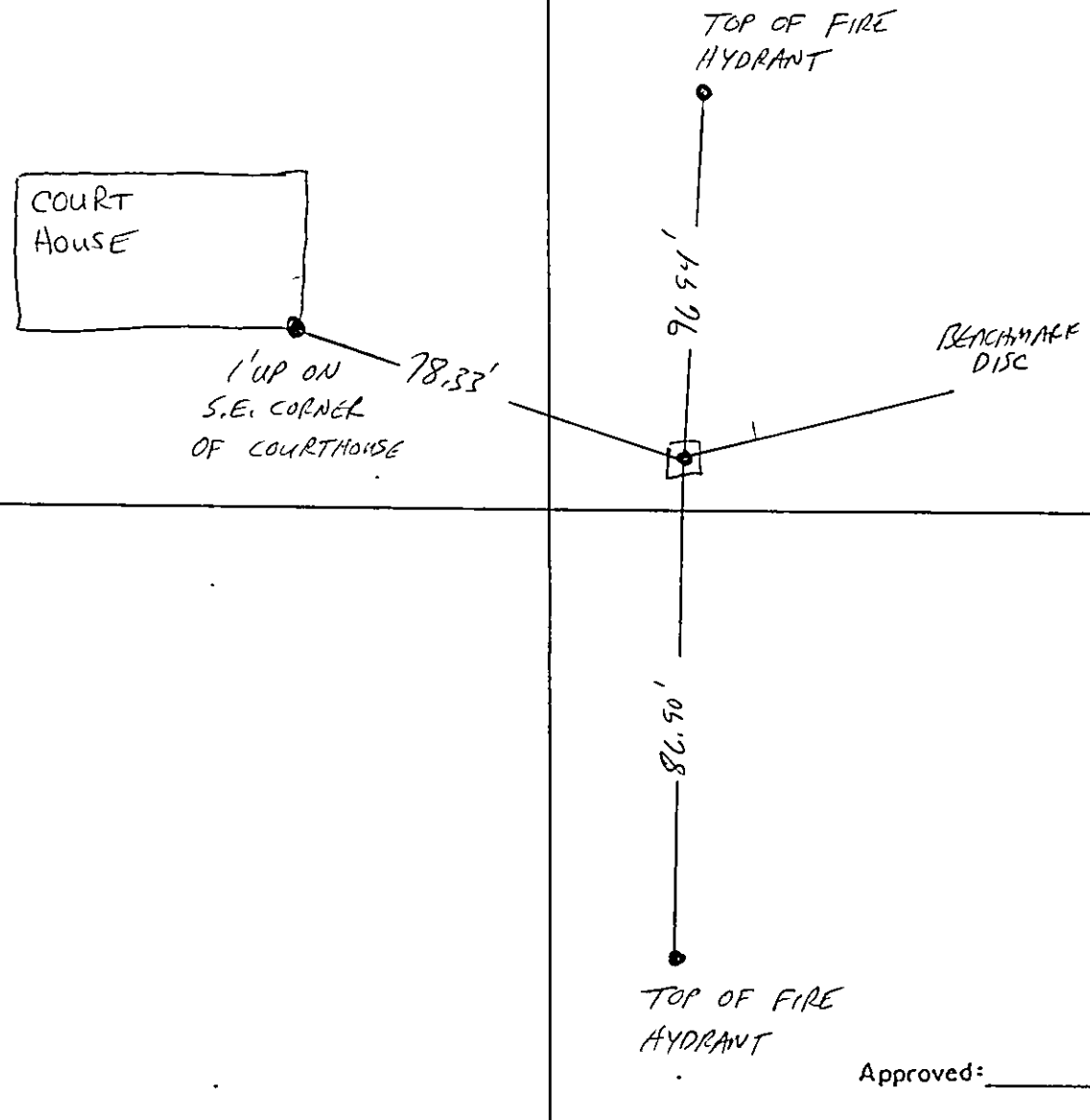
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
12	19	7			883.4	X=	Y=		



NORTH

Tied by: MC/RW Date: 11/15-02

Drawn by: MC Date: 11/30/02

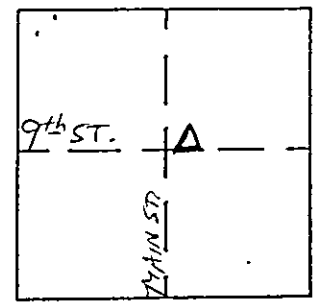
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC FLUSH WITH SIDEWALK

BENCHMARK DESIGNATION

T-4



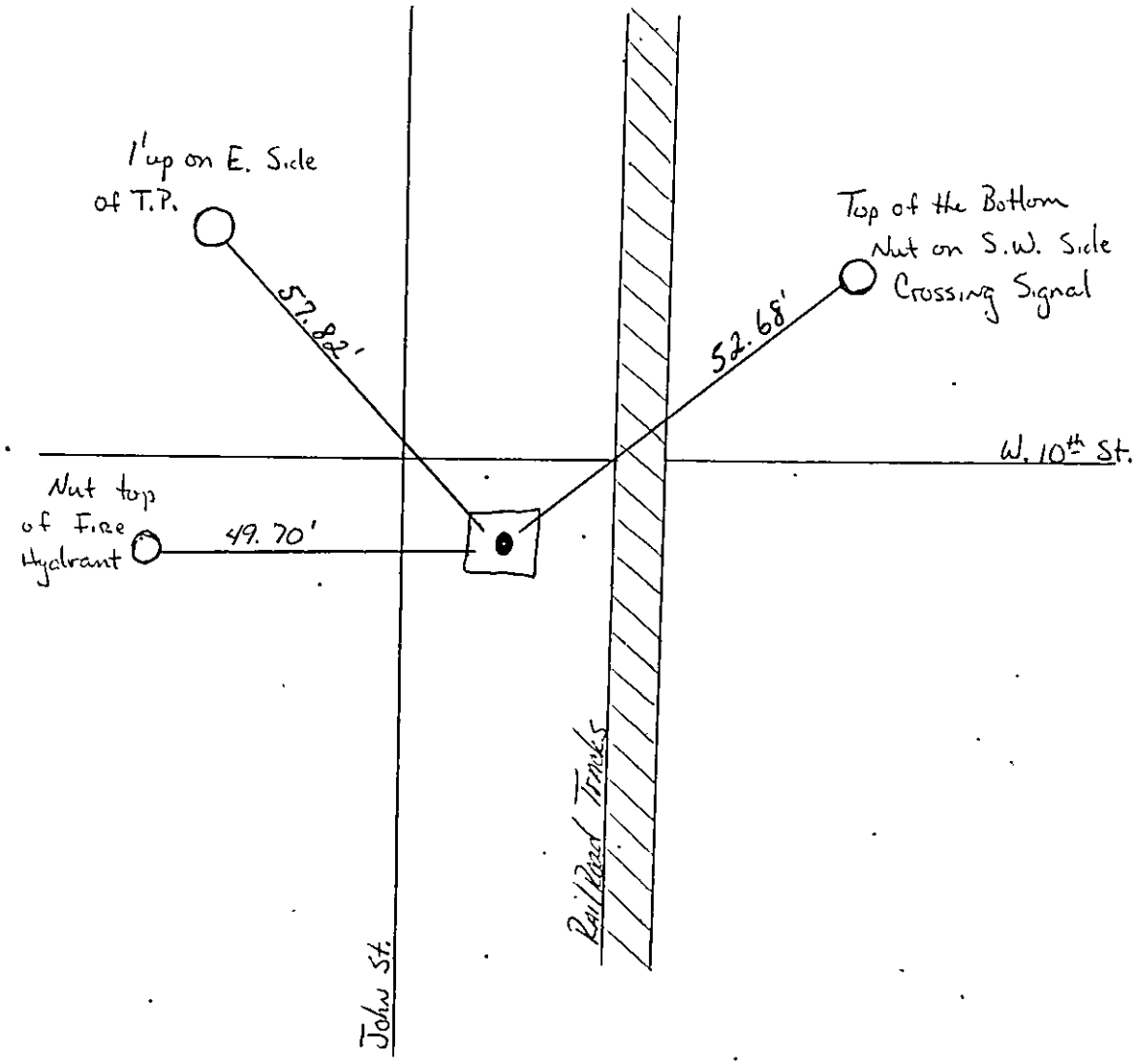
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
12	19	7			853.85'	X=	Y=		



NORTH

Tied by: M.C.-K.W. Date: 1-15-02

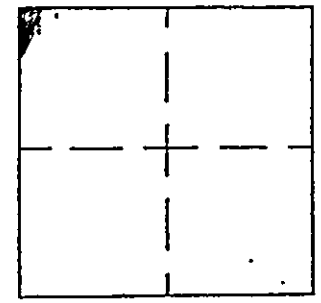
Drawn by: M.C. Date: 1-30-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench Mark- K-193

Disk Set in Concrete Projection 4" High



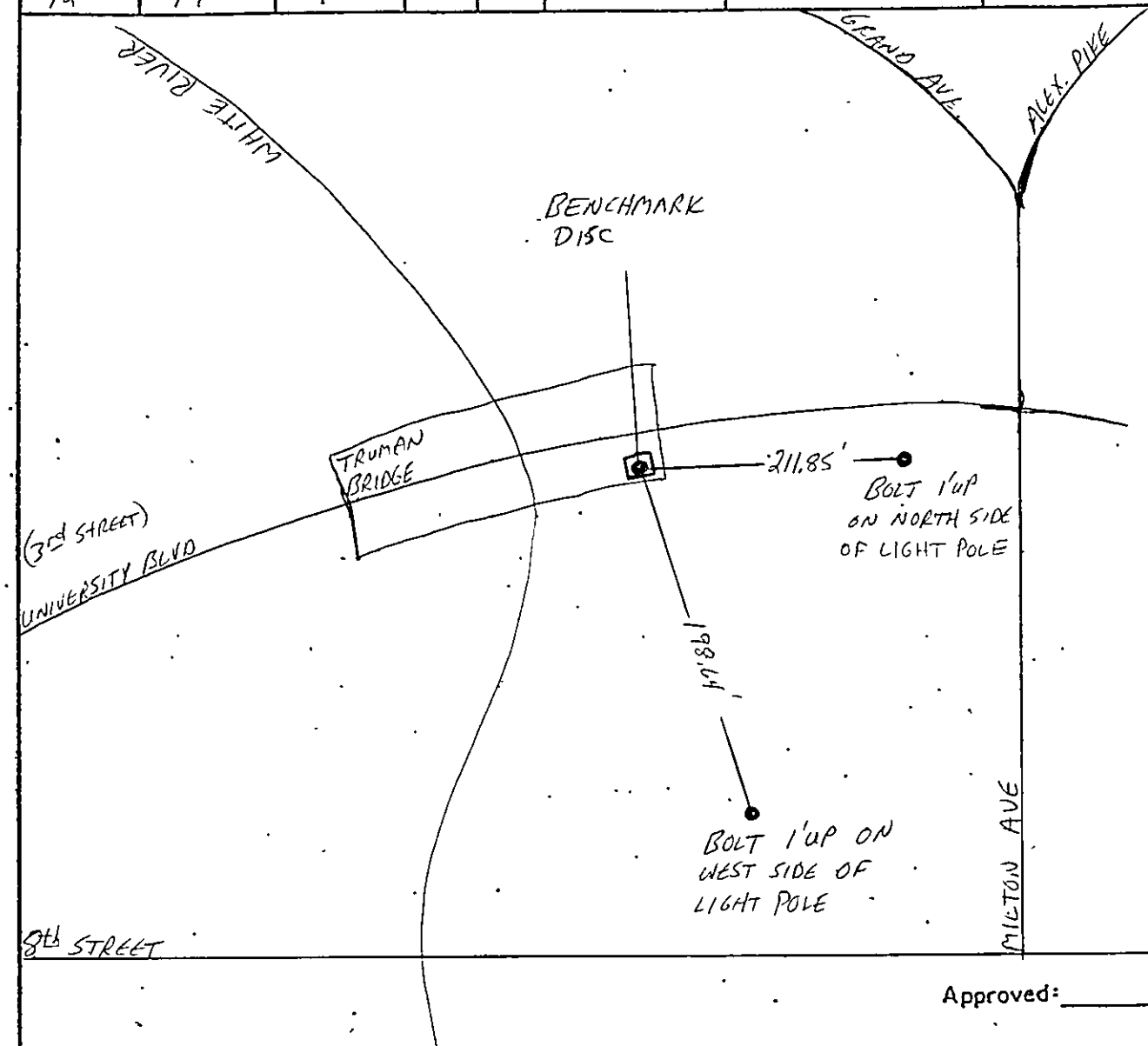
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		
12	19	7							



NORTH

Tied by: RW/MC Date: 2/4/02

Drawn by: RW Date: 3/14/02

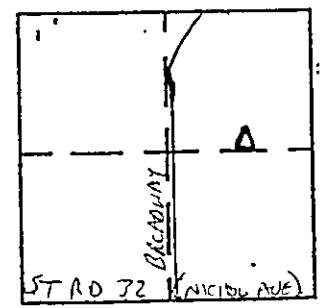
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN SOUTH EAST END OF TRUMAN BRIDGE

BENCHMARK DESIGNATION

MAD 102



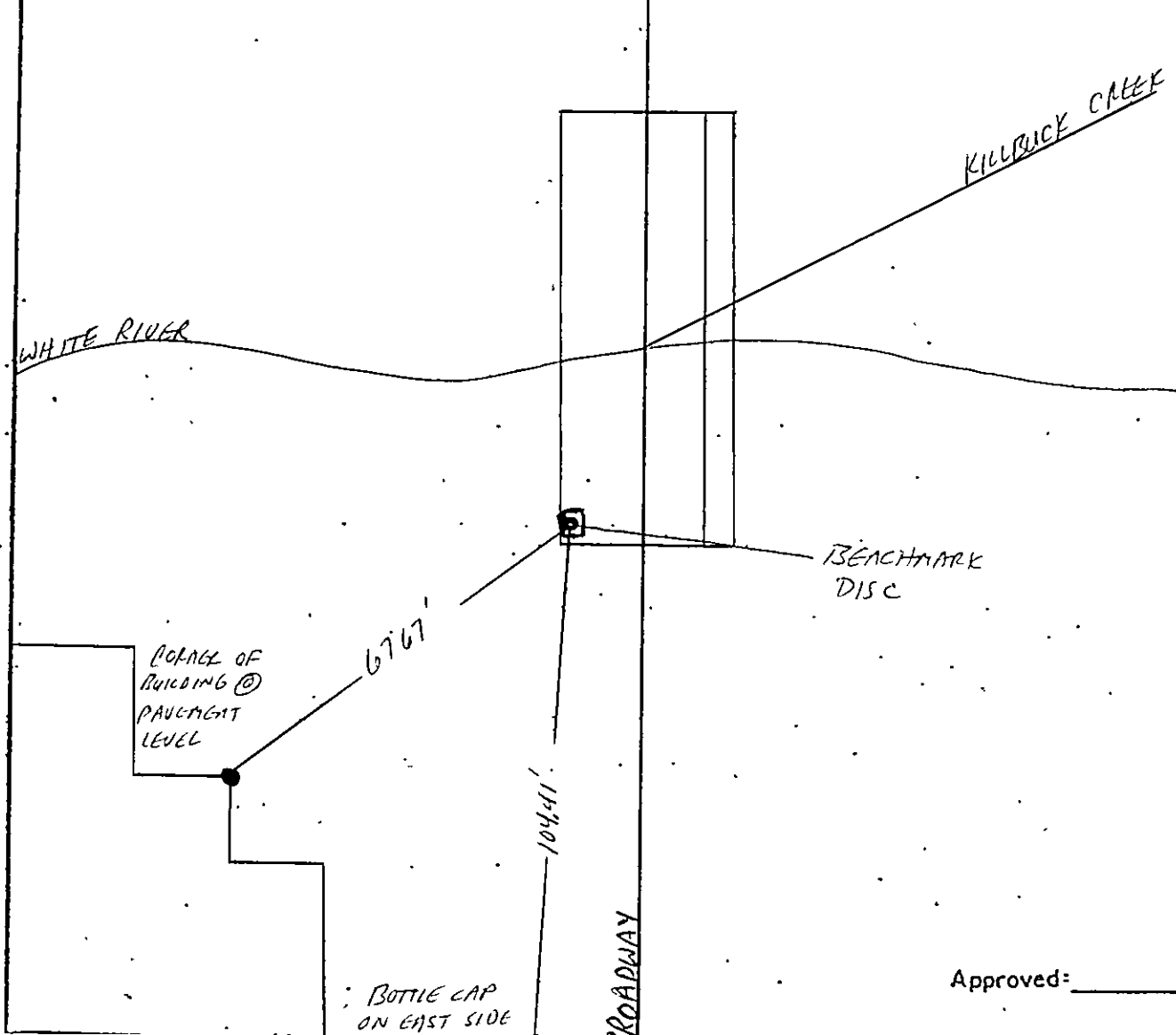
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
12.	19	7				X=	Y=		



Tied by: RW/MC Date: 2/4/02

Drawn by: RW Date: 3/14/02

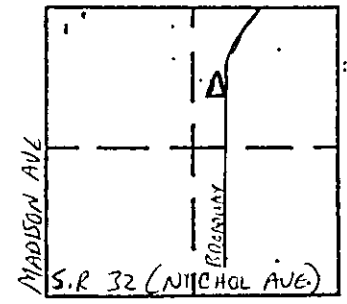
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN BRIDGE

BENCHMARK DESIGNATION

MAD 21 RESET 1983



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
12	19	7				X=	Y=		

NORTH

MADISON COUNTY JAIL

Tied by: RW/MC Date: 2/28/02

Drawn by: RW Date: 3/15/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE SIDEWALK

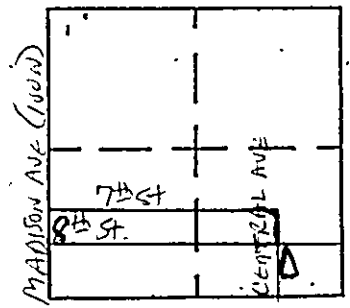
8th St

TOP OF FIRE HYDRANT — 54.11' — BENCHMARK DISC

71.95'

EAST SIDE OF LIGHT POLE @ GROUND LEVEL

CENTRAL AVE.



MARKER LOCATION

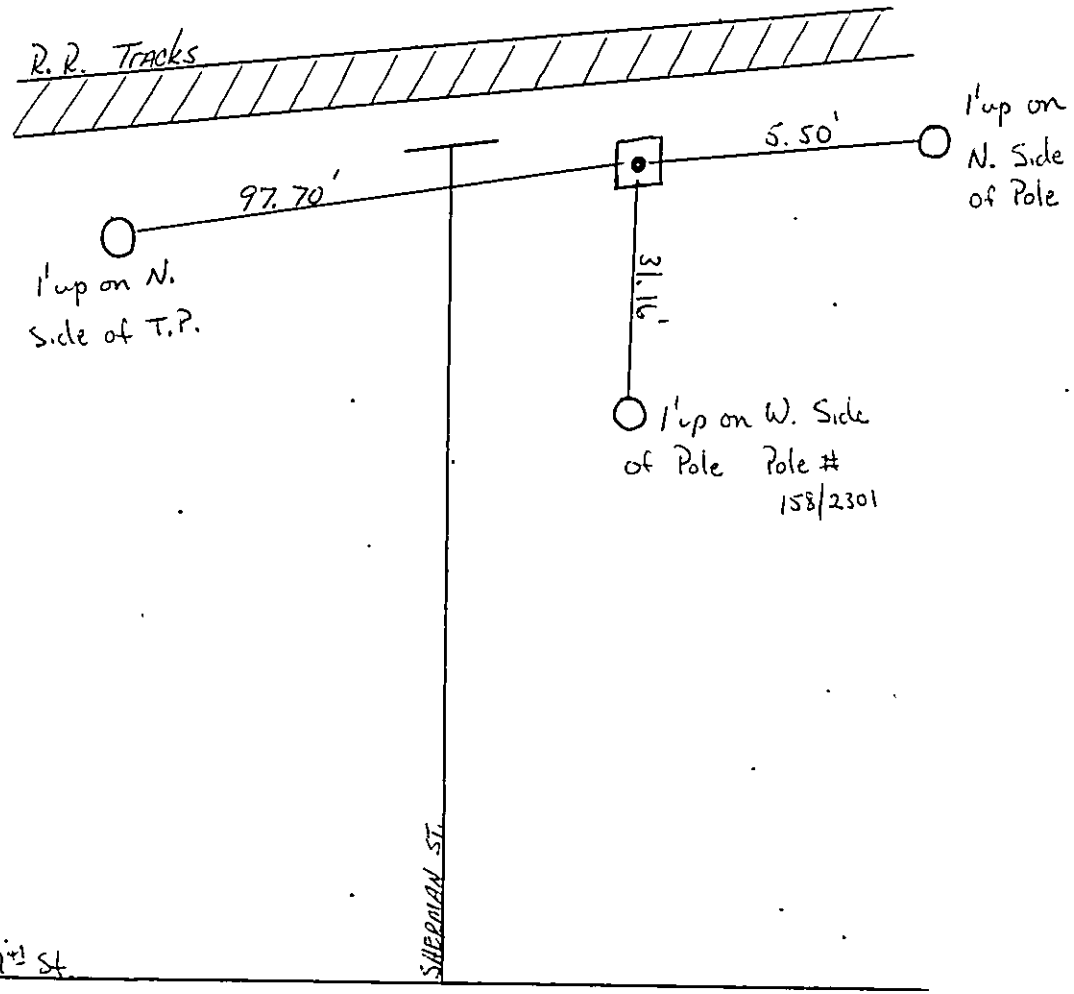
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
13	19	7			868.71'	X=	Y=		

NORTH



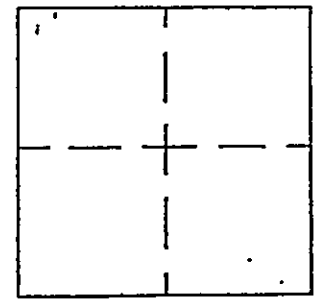
Tied by: M.C.-R.W. Date: 1-15-02

Drawn by: M.C. Date: 1-30-02

Checked by: Date:

DESCRIPTION OF MONUMENT

Bench Mark. N234



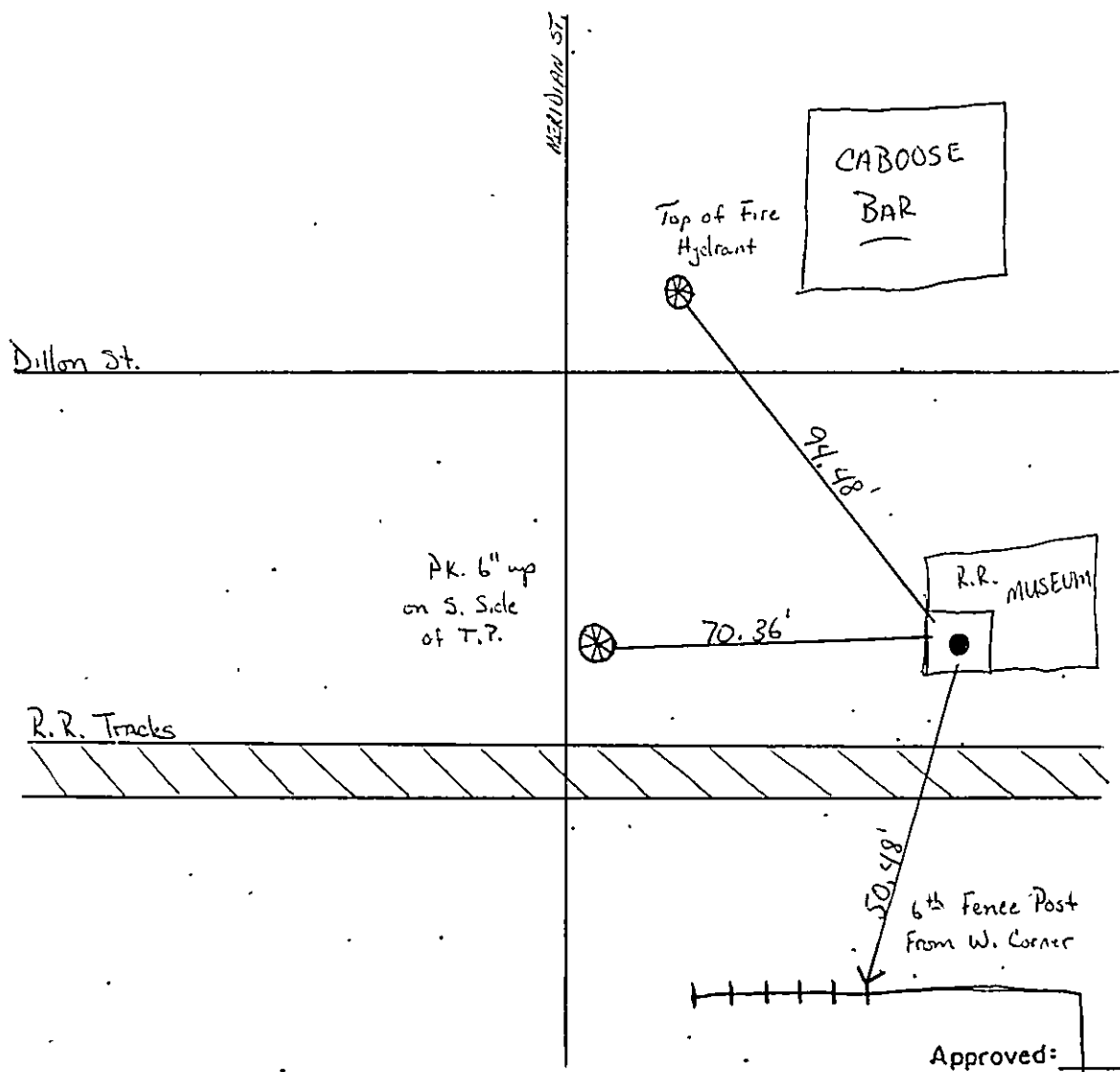
MARKER LOCATION

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
13	19	7			885.54'	X=	Y=		



NORTH

Tied by: M.C - R.W. Date: 1-15-02

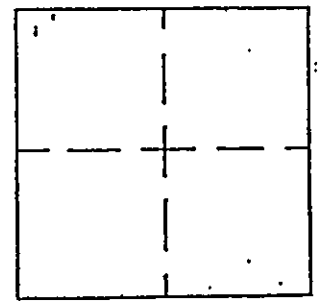
Drawn by: M.C. Date: 1-30-02

Checked by: Date:

DESCRIPTION OF MONUMENT

Bench Mark - R4

Disk Set in W. Wall of R.R. Museum.



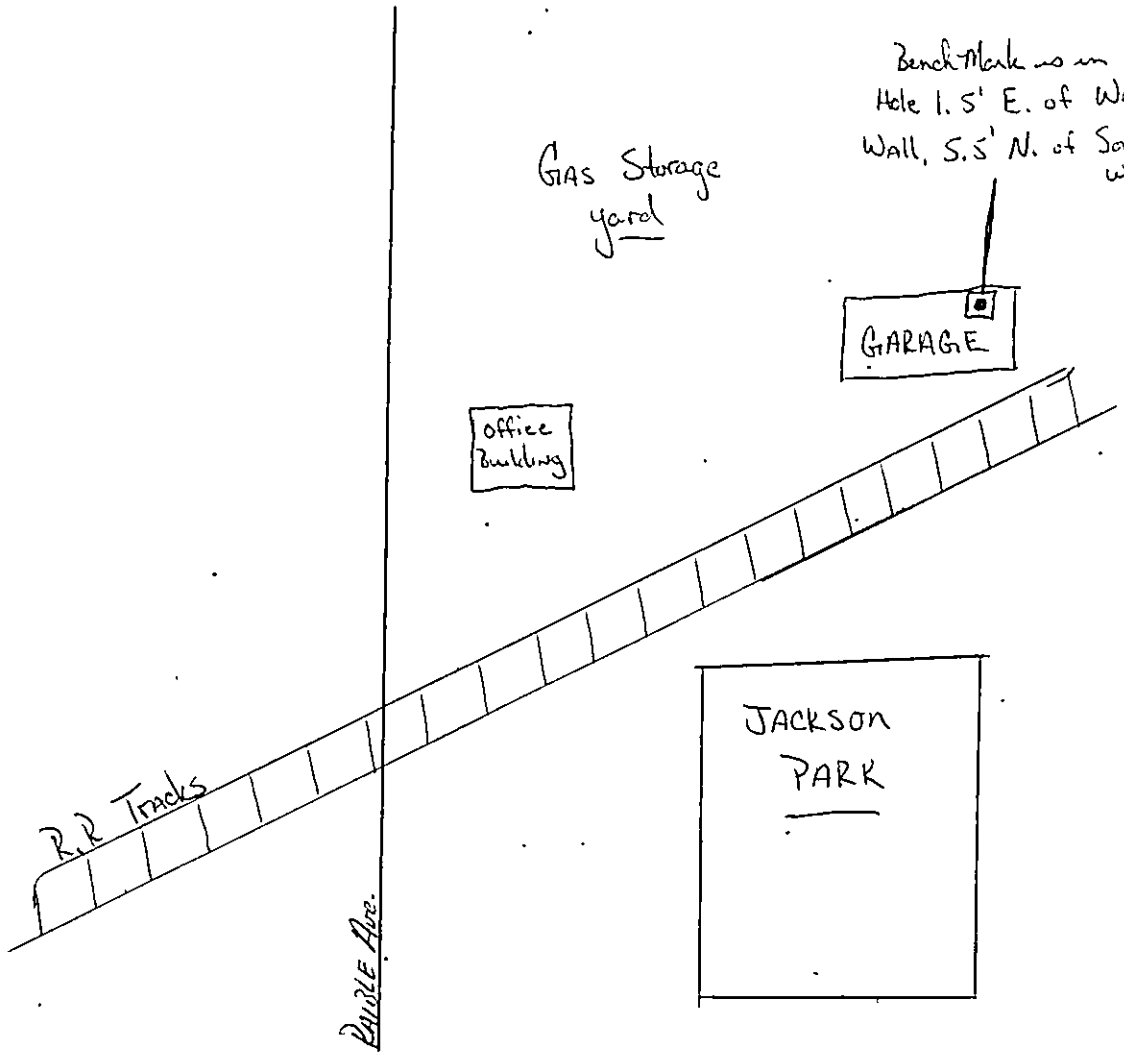
MARKER LOCATION

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
14	19	7			882.61'	X=	Y=		



NORTH

Tied by: M.C. R.W Date: 1-14-02

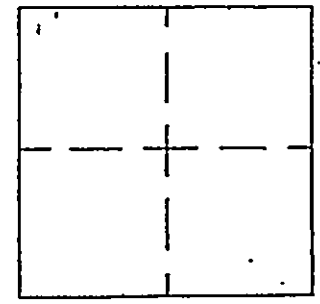
Drawn by: M.C. Date: 1-30-02

Checked by: Date:

DESCRIPTION OF MONUMENT

Bench Mark - F42

Disk Set in Hole - Inside Garage.



MARKER LOCATION

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
18	19	8				X=	Y=		

NORTH

Tied by: RW/MC Date: 2/5/02

Drawn by: RW Date: 3/11/02

Checked by: _____ Date: _____

WHITE RIVER

BENCHMARK DISC IS SET ON TOP OF SOUTHERN MOST BRIDGE SUPPORT, ON WEST SIDE OF BRIDGE

NOTE: TOP OF BRIDGE SUPPORT IS WELL BELOW THE SURFACE OF THE ROAD

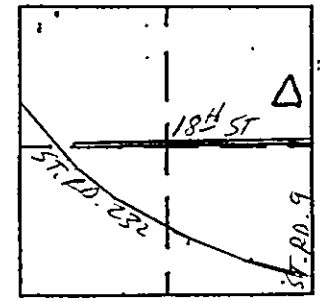
WHITE RD 9

DESCRIPTION OF MONUMENT

BENCHMARK DISC IS ON TOP OF SOUTHERN MOST BRIDGE SUPPORT ON WEST SIDE OF BRIDGE

BENCHMARK DESIGNATION

MAD 614



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
5.	19	8			835'	X=	Y=		

NORTH

HIGHLAND
BAPTIST
CHURCH

Tied by: RW/MC Date: 1/31/02
Drawn by: RW Date: 3/12/02
Checked by: _____ Date: _____

P.K NAIL 1'UP ON
EAST SIDE OF LIGHT POLE

IRON PIPE IN CONCRETE,
FLUSH WITH SURFACE
OF ROAD

200 NORTH

51.66'

96.15'

90.31'

SOUTH EAST
SIDE OF POLE @
GROUND LEVEL

50.04'

PK NAIL 1'UP ON
NORTHWEST SIDE OF
P.P.

SHEPARD RD

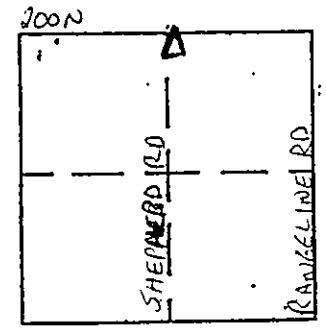
BENCHMARK
DISC

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST, LEVEL WITH THE SURFACE OF GROUND

BENCHMARK DESIGNATION

18-JWM 1952



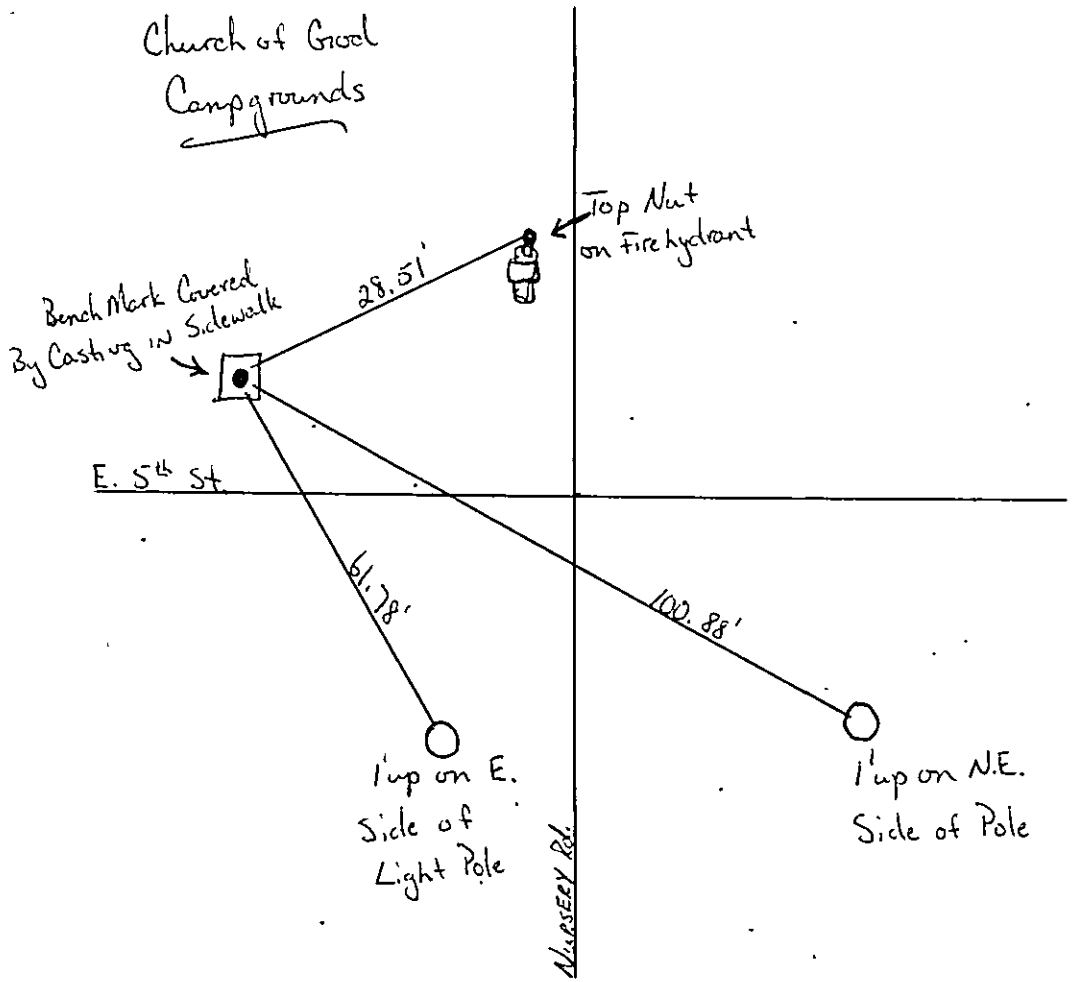
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
7	19	8			892.43'	X=	Y=		



NORTH

Tied by: MC - R.W. Date: 1-14-02

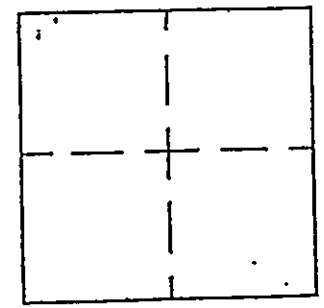
Drawn by: MC Date: 1-29-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench Mark - Anderson 1934

Disk under Casting in Sidewalk



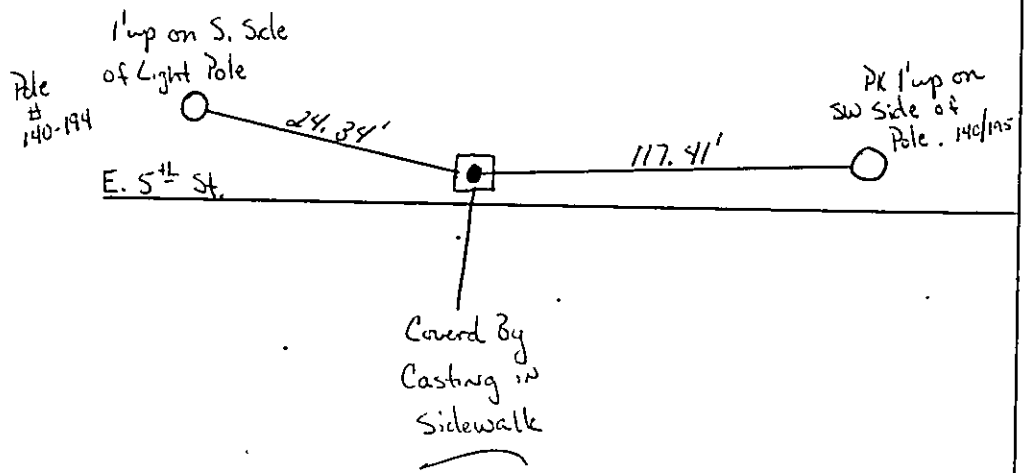
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
7	19	8			892.43'	X=	Y=		



NORTH

Tied by: M.C.-R.W. Date: 1-14-02

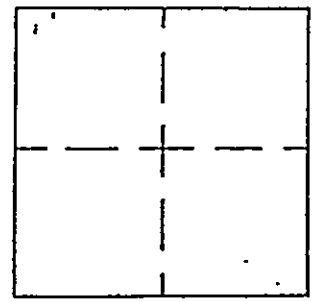
Drawn by: M.C. Date: 1-29-02

Checked by: Date:

DESCRIPTION OF MONUMENT

Bench Mark - Anderson RM1

Disk under Casting on Sidewalk.



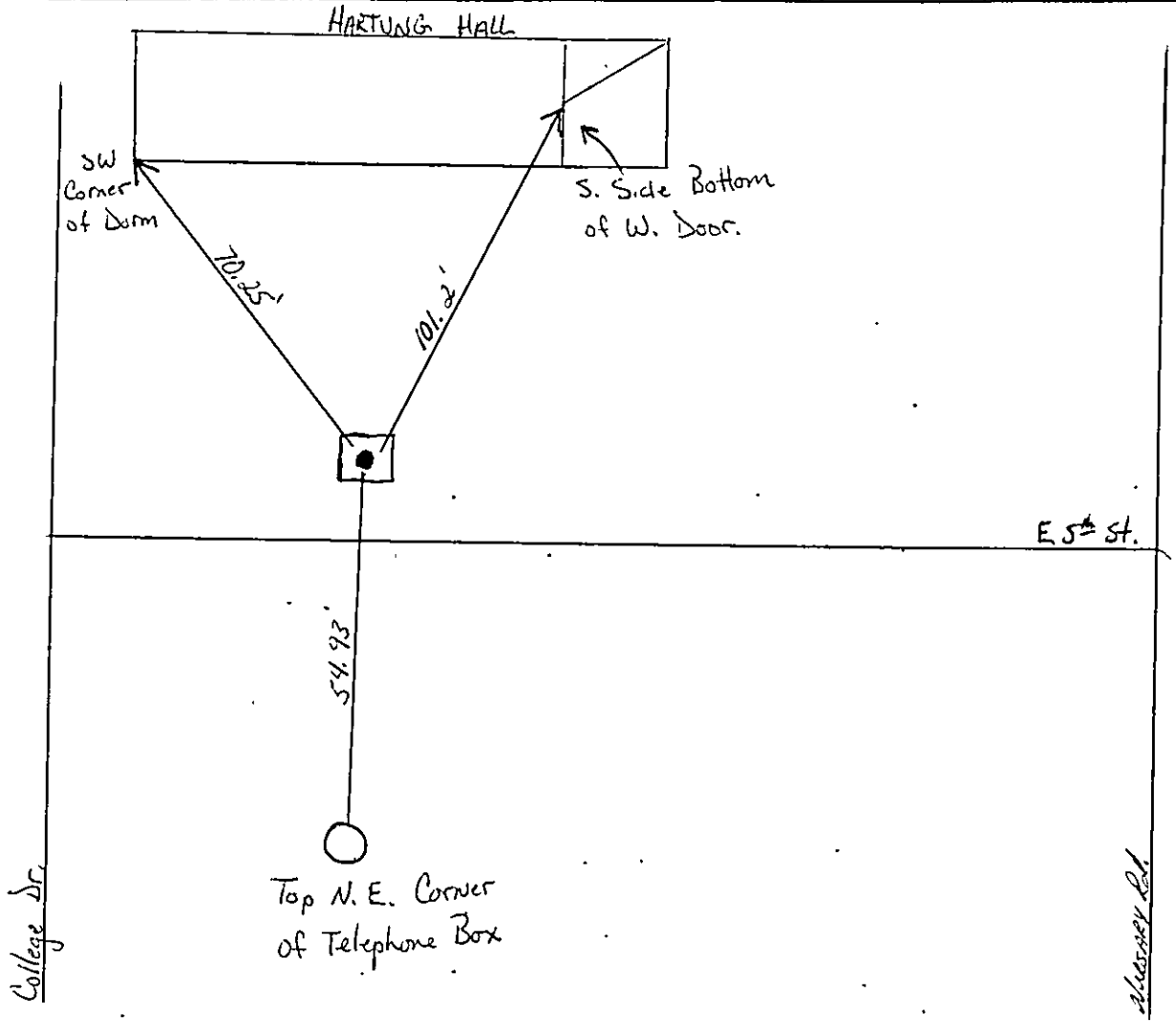
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
7	19	8			893.37'	X=	Y=		



NORTH

Tied by: M.C. - R.W. Date: 1-14-02

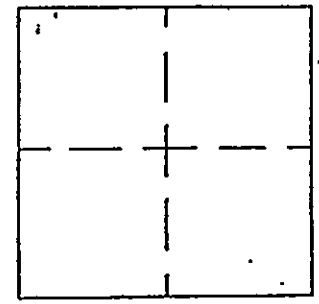
Drawn by: M.C. Date: 1-30-02

Checked by: Date:

DESCRIPTION OF MONUMENT

Bench Mark - Anderson 1934/1980

Disk Set Underneath Casting in Sidewalk.



MARKER LOCATION

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
7	19	8				X=	Y=		

1'UP ON EAST SIDE OF LIGHT POLE.

105.62'

47.60'

NORTHWEST CORNER OF TOP OF PHONE B'LINE BOX

47.38'

1'UP ON WEST SIDE OF POLE

EAST 5th St

NORTH

Tied by: RW/MC Date: 1/15/02

Drawn by: RW Date: 1/30/02

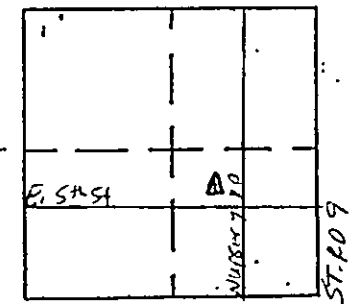
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE, FLUSH WITH SURFACE OF GROUND

BENCHMARK DESIGNATION

ANDERSON RM 3



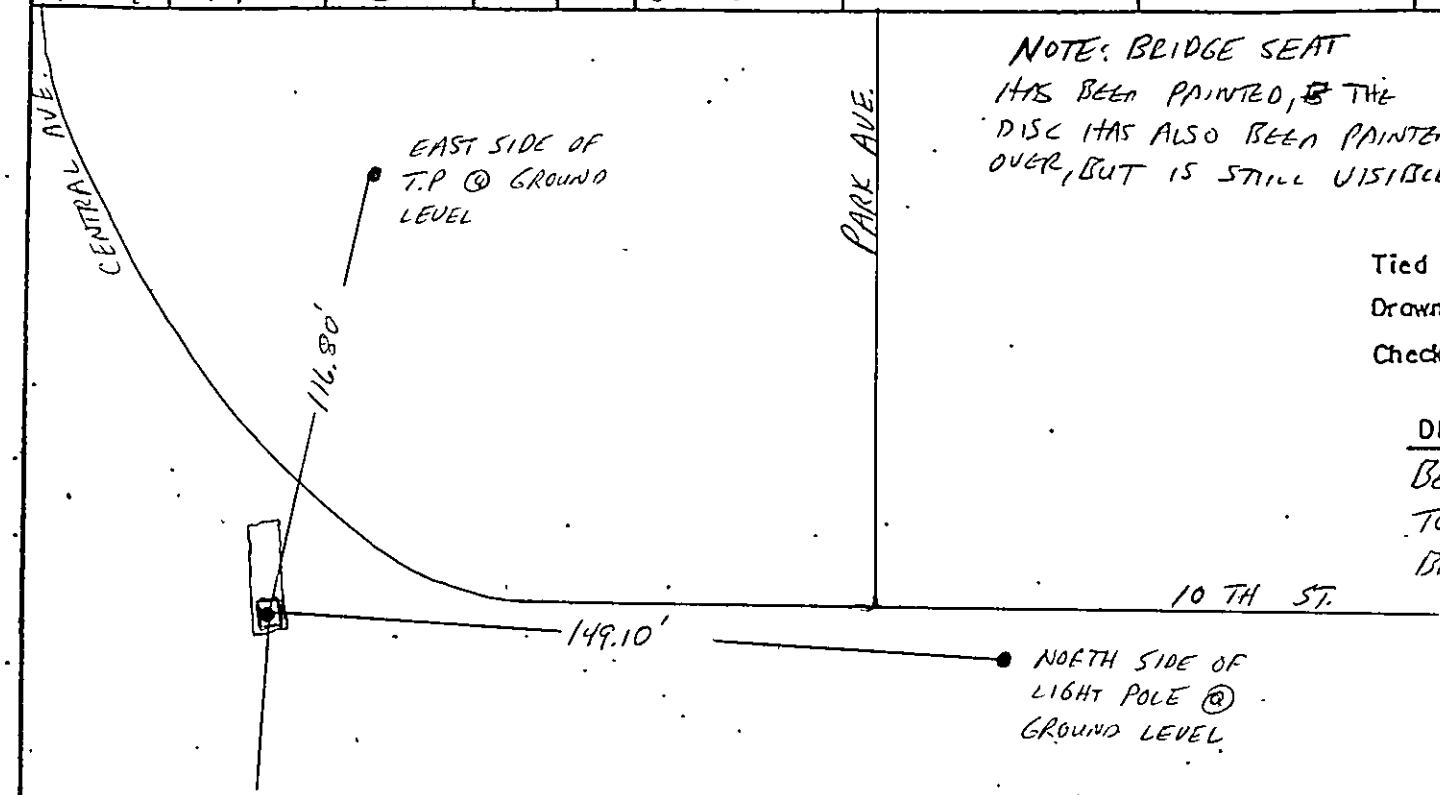
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
~~8~~ 7	19	8			846.615	X=	Y=		



NOTE: BRIDGE SEAT HAS BEEN PAINTED, & THE DISC HAS ALSO BEEN PAINTED OVER, BUT IS STILL VISIBLE

NORTH

Tied by: RW/MC Date: 2/4/02

Drawn by: RW Date: 3/14/02

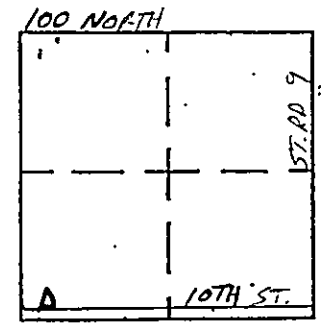
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF SOUTH END OF OLD BRIDGE SEAT

BENCHMARK DESIGNATION

MAD 23 1964



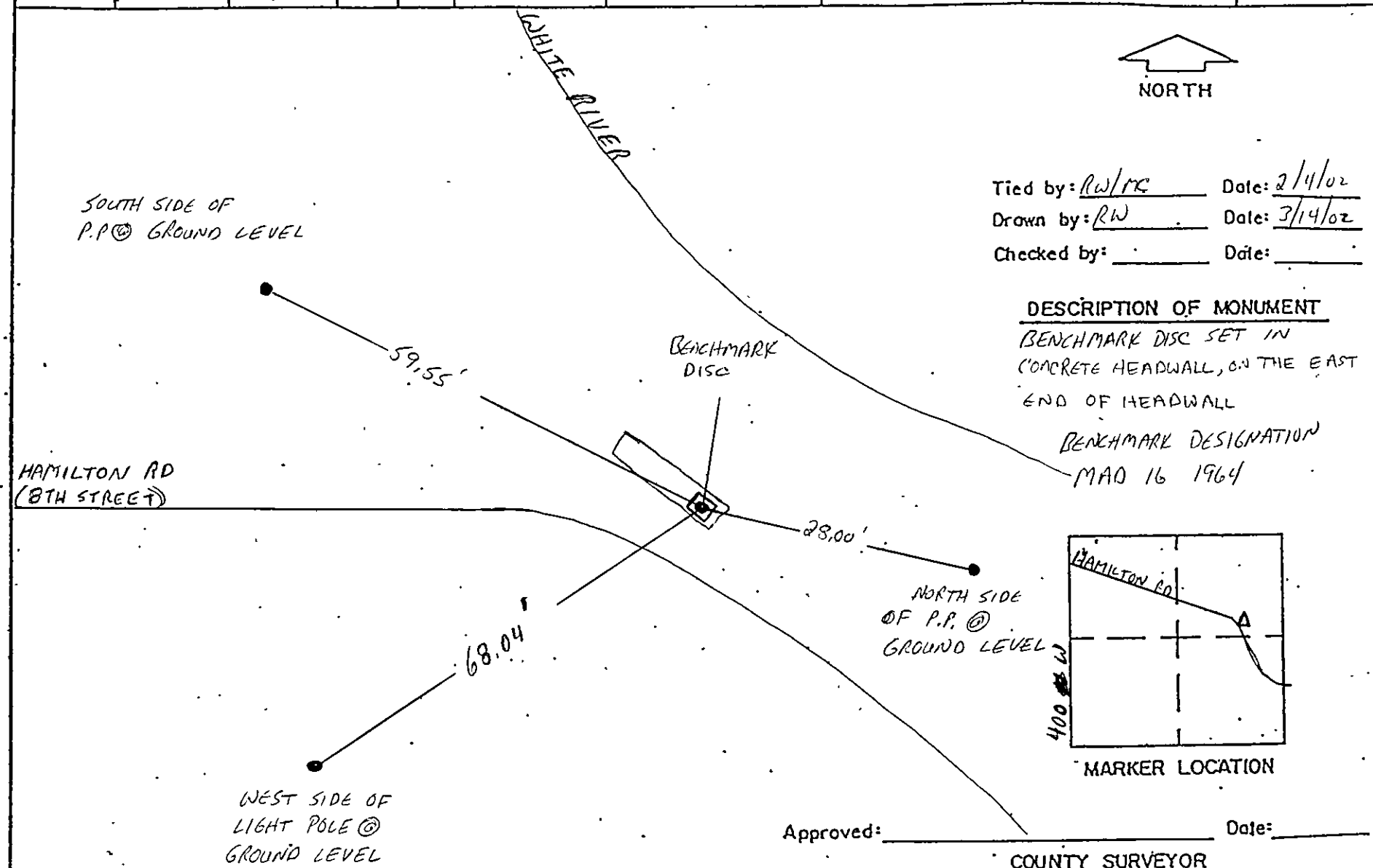
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
9	19	7			842 400	X=	Y=		



Tied by: RW/RC Date: 2/4/02

Drawn by: RW Date: 3/14/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE HEADWALL, ON THE EAST END OF HEADWALL

BENCHMARK DESIGNATION
MAR 16 1964

MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
12	22	6			900.615'	X=	Y=		

NORTH

Tied by: RW/MC Date: 2/22/02
Drawn by: RW Date: 3/15/02
Checked by: _____ Date: _____

1900 NORTH

BENCHMARK DISC

1' UP ON WEST SIDE OF P.P.

58.94'

RIGDON METHODIST CHURCH

83.70'

FENCE ROW

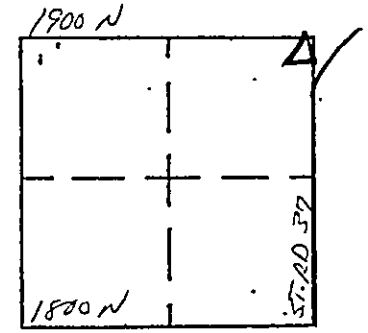
SOUTHWEST SIDE OF CORNER FENCE POST @ GROUND LEVEL

1900 WEST

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET NORTH BRICK WALL OF RIGDON METHODIST CHURCH

BENCHMARK DESIGNATION H-195

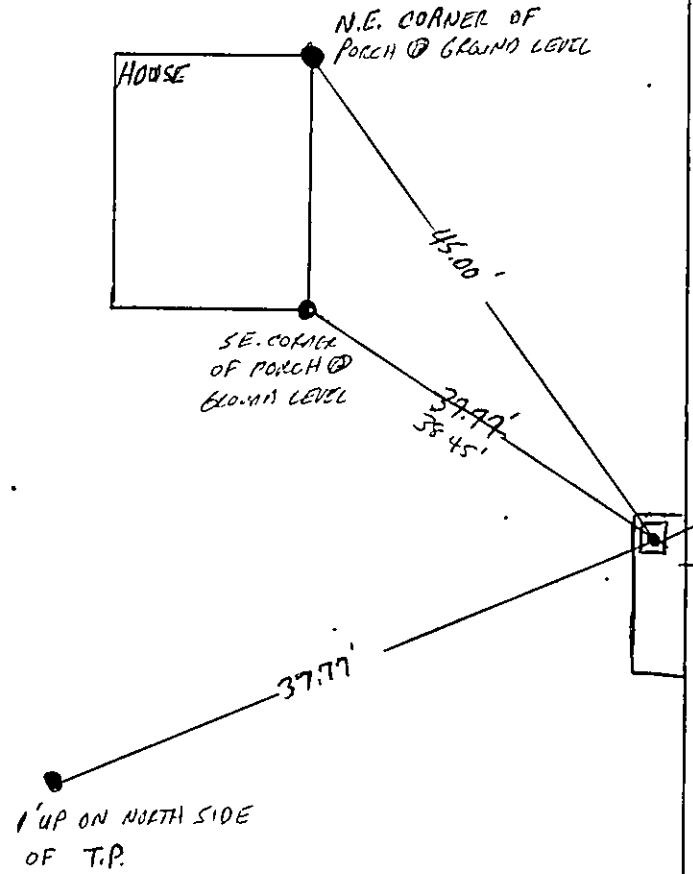


MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
13	22	6			872.48'	X=	Y=		



NORTH

Tied by: RC/RW Date: 12/20/01

Drawn by: RW Date: 1/28/02

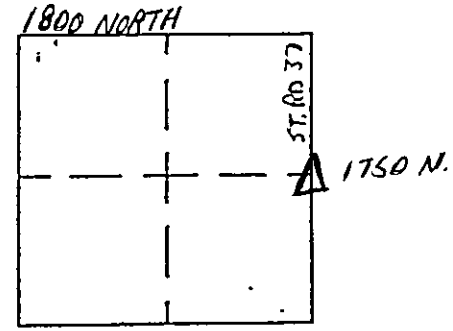
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF TOP ~~END~~ OF NORTH END OF WEST HEAD

BENCHMARK ~~DISC~~ DESIGNATION

F 195



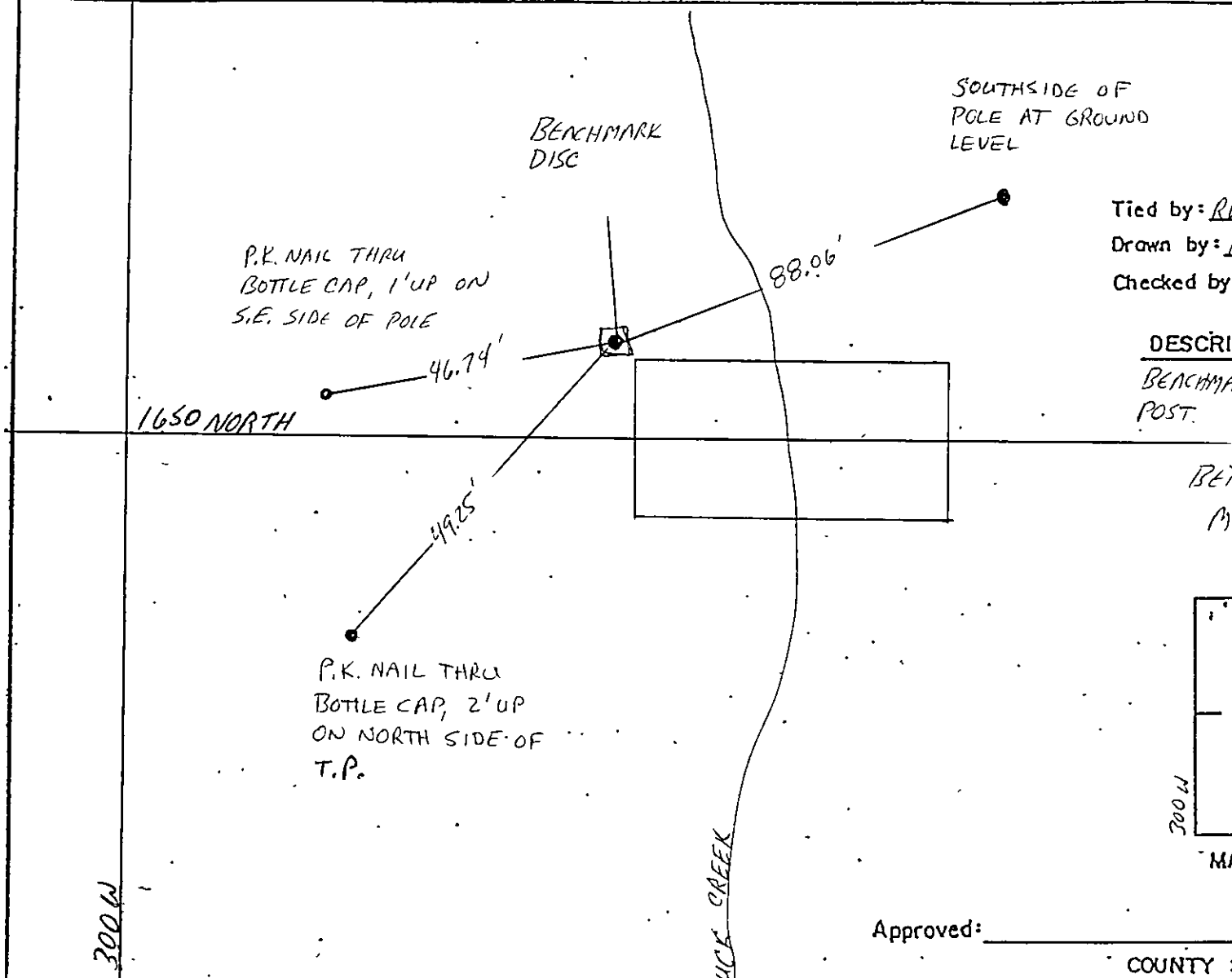
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
22	22	7				X=	Y=		



Tied by: RW/MC Date: 2/1/02

Drawn by: RW Date: 3

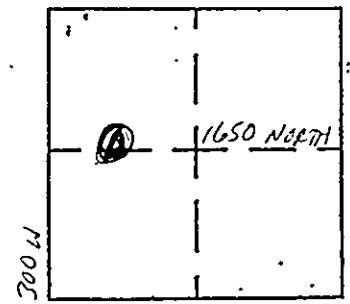
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST.

BENCHMARK DESIGNATION

MAD-G80



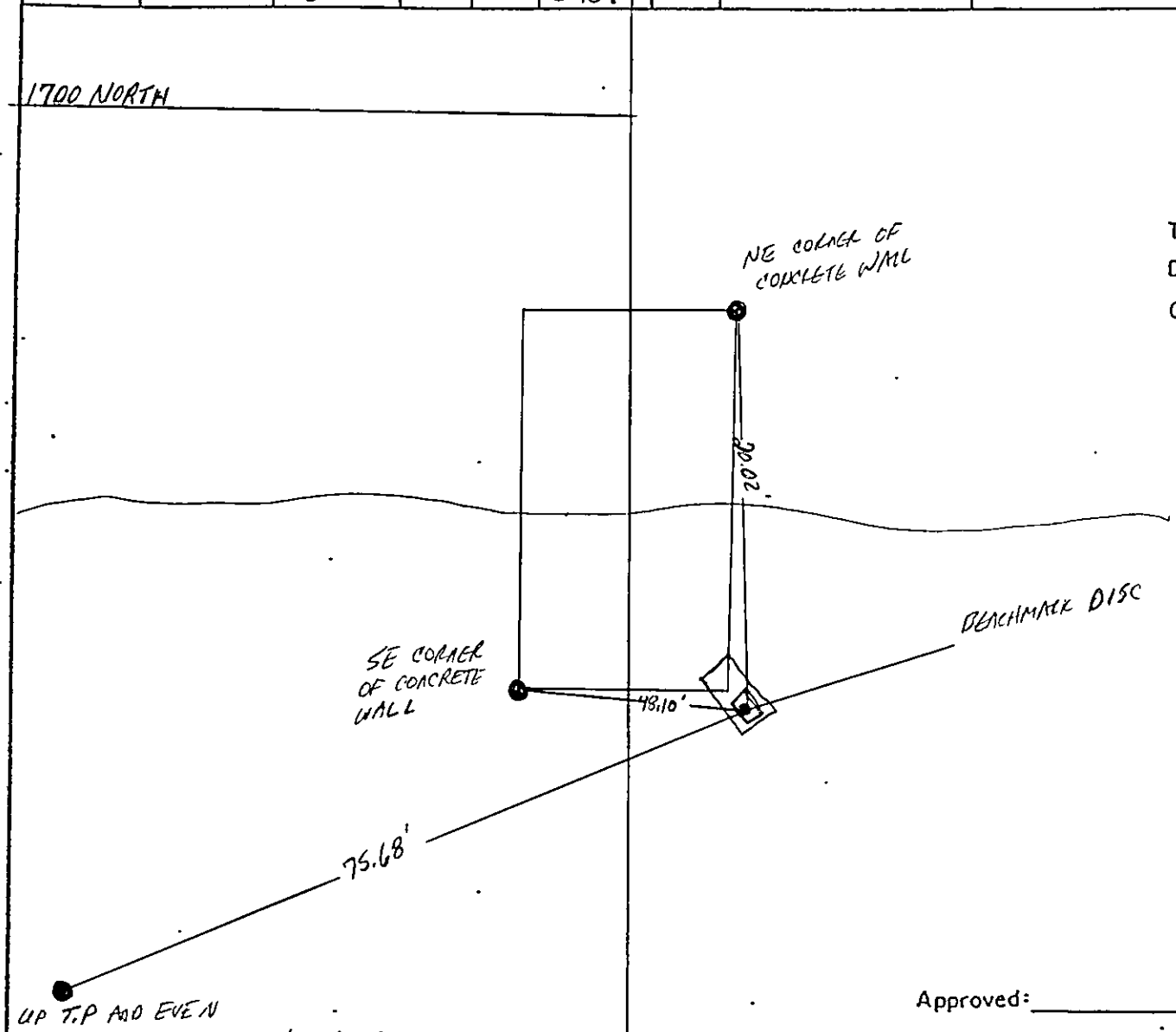
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
24	22	6			870.49	X=	Y=		



NORTH

Tied by: MC/RW Date: 12/21/01

Drawn by: RW Date: 1/28/01

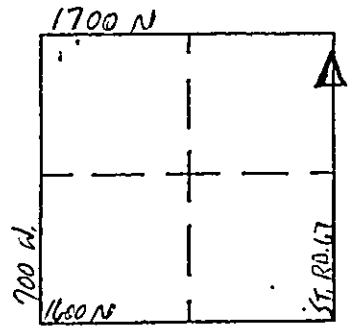
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF WEST END OF SOUTHEAST WING

BENCHMARK DESIGNATION

MAD G-3



MARKER LOCATION

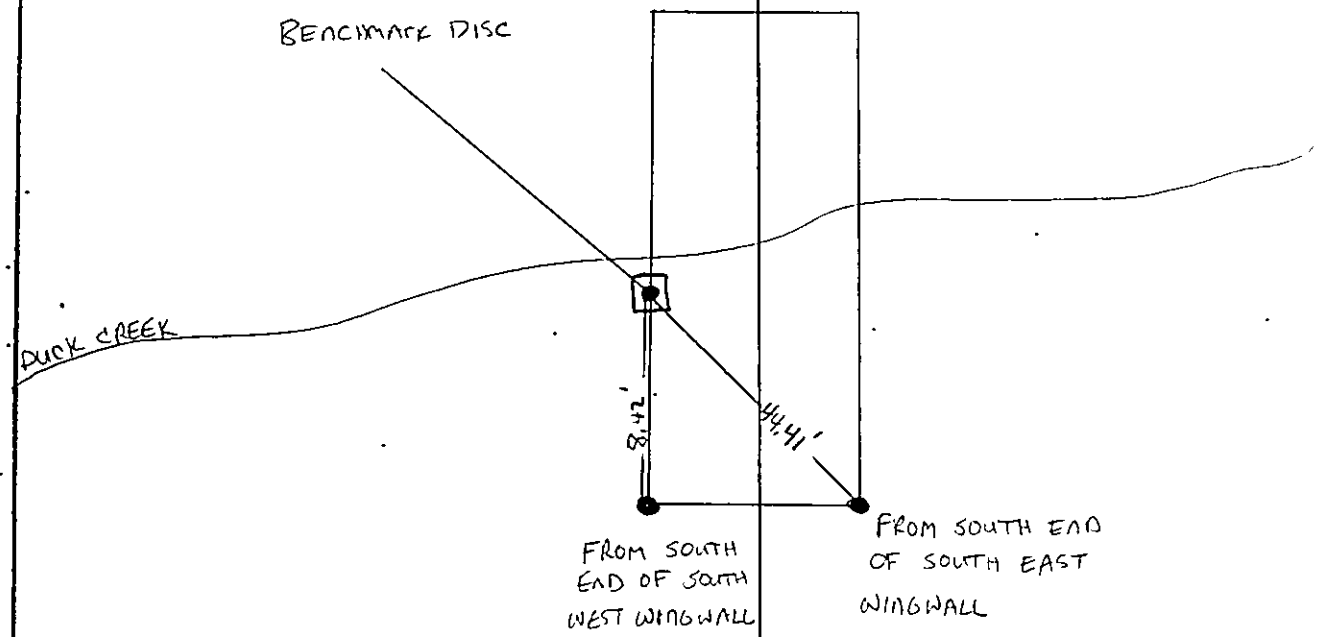
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
25	22	6			870.~~08~~ 53'+	X=	Y=		

1600 N.



1550 N

ST. RD 37

NORTH

Tied by: rf/rw. Date: 12/19/01

Drawn by: RN Date: 1/28/02

Checked by: _____ Date: _____

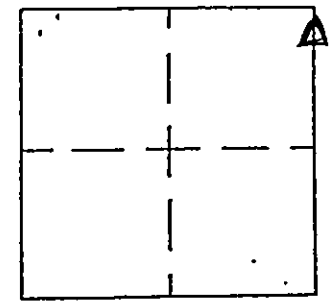
DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN THE TOP OF SOUTHWEST WINGWALL

BENCHMARK DESIGNATION

MAD 67-073

(E-195)



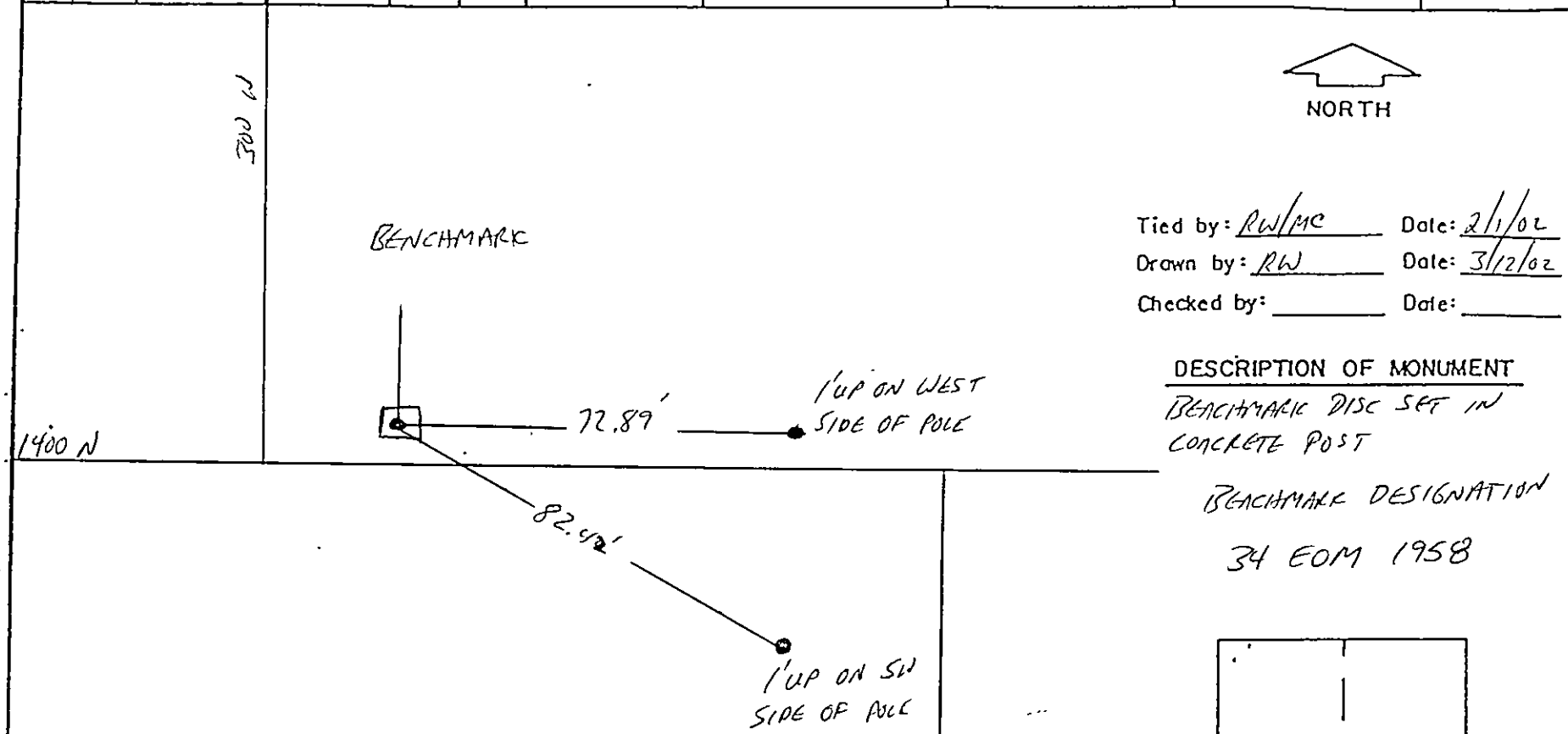
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
34	22	7			875'	X=	Y=		



NORTH

Tied by: RW/MC Date: 2/1/02

Drawn by: RW Date: 3/12/02

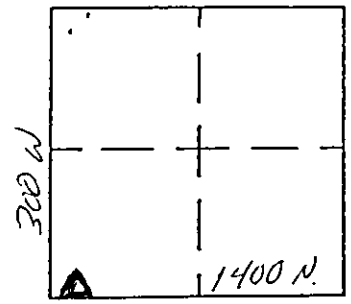
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST

BENCHMARK DESIGNATION

34 EOM 1958



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
36	22	6			868.58'	X=	Y=		

NORTH

Tied by: RW/MC Date: 12/19/01

Drawn by: RW Date: 1/10/02

Checked by: Date:

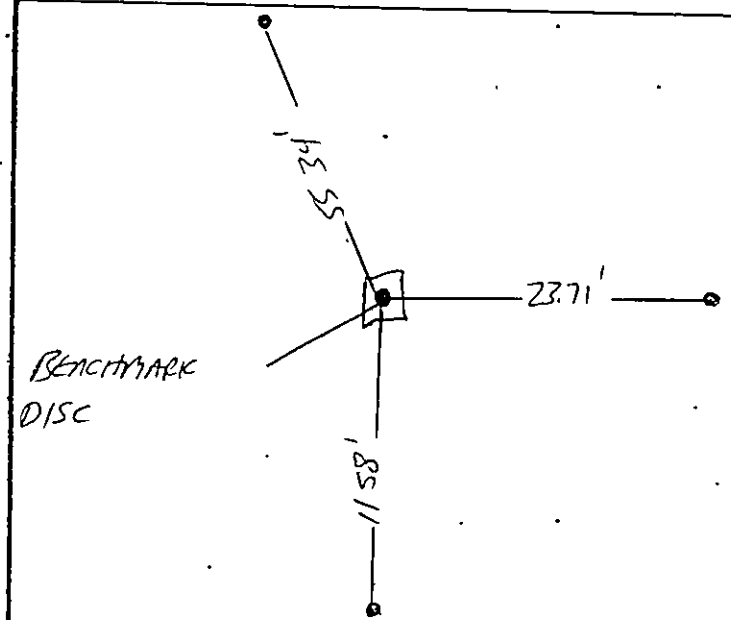
DESCRIPTION OF MONUMENT

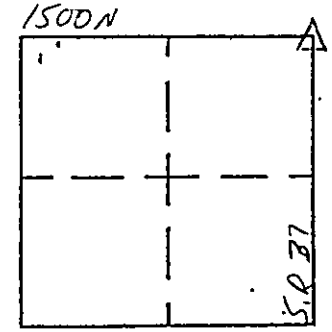
BENCHMARK DISC SET IN CONCRETE POST, SIX (6) INCHES ABOVE GROUND

BENCHMARK DESIGNATION

D-195

1500N





MARKER LOCATION

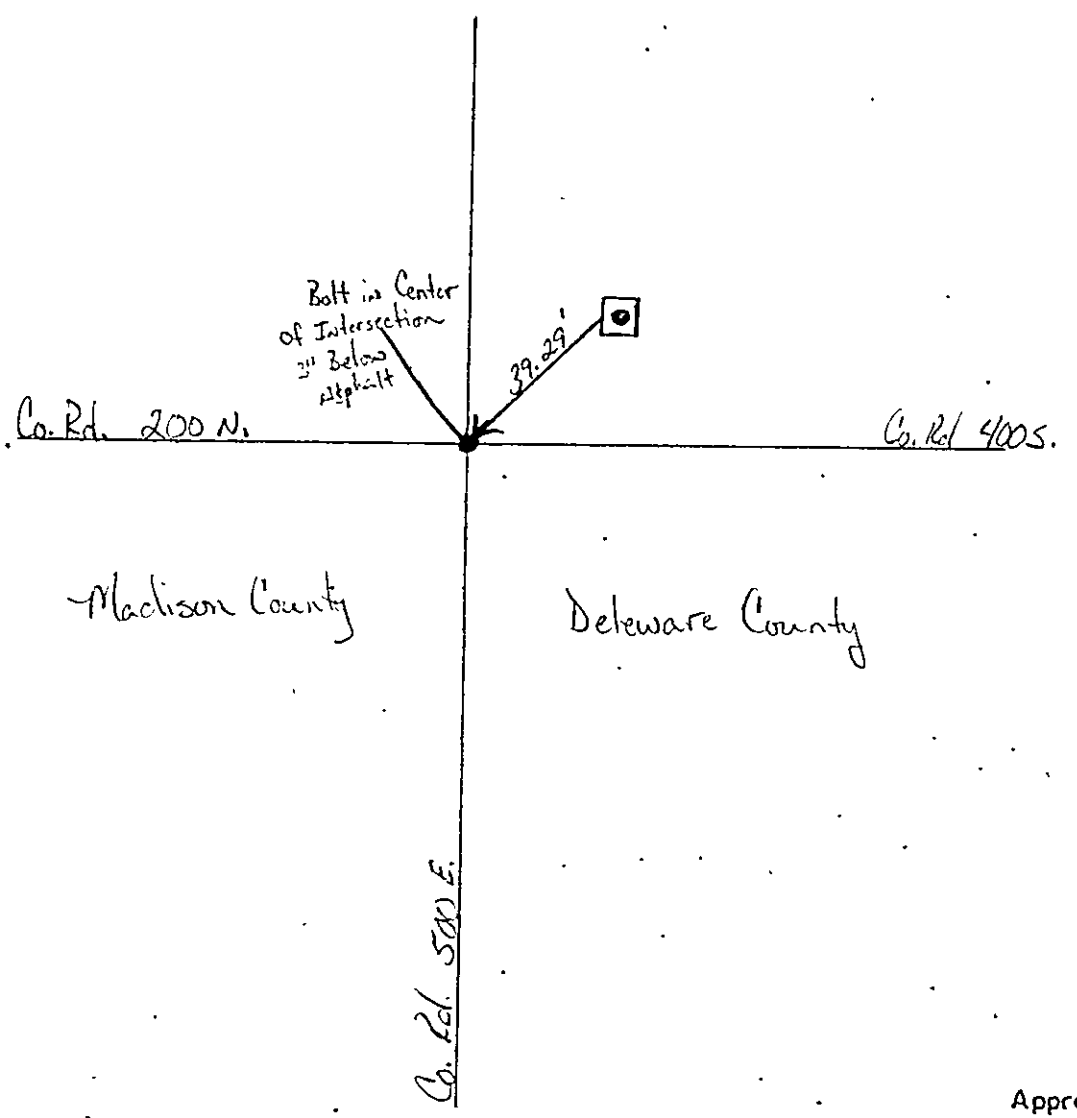
Approved: Date:

COUNTY SURVEYOR

DELAWARE COUNTY

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
35	20	8				X=	Y=		



Tied by: N.C. + R.W. Date: 2-11-02

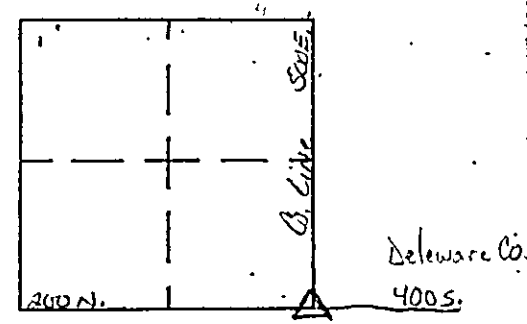
Drawn by: N.C. Date: 3-12-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

R-218

Disk set in Concrete Square Projecting 4" Above ground.



MARKER LOCATION

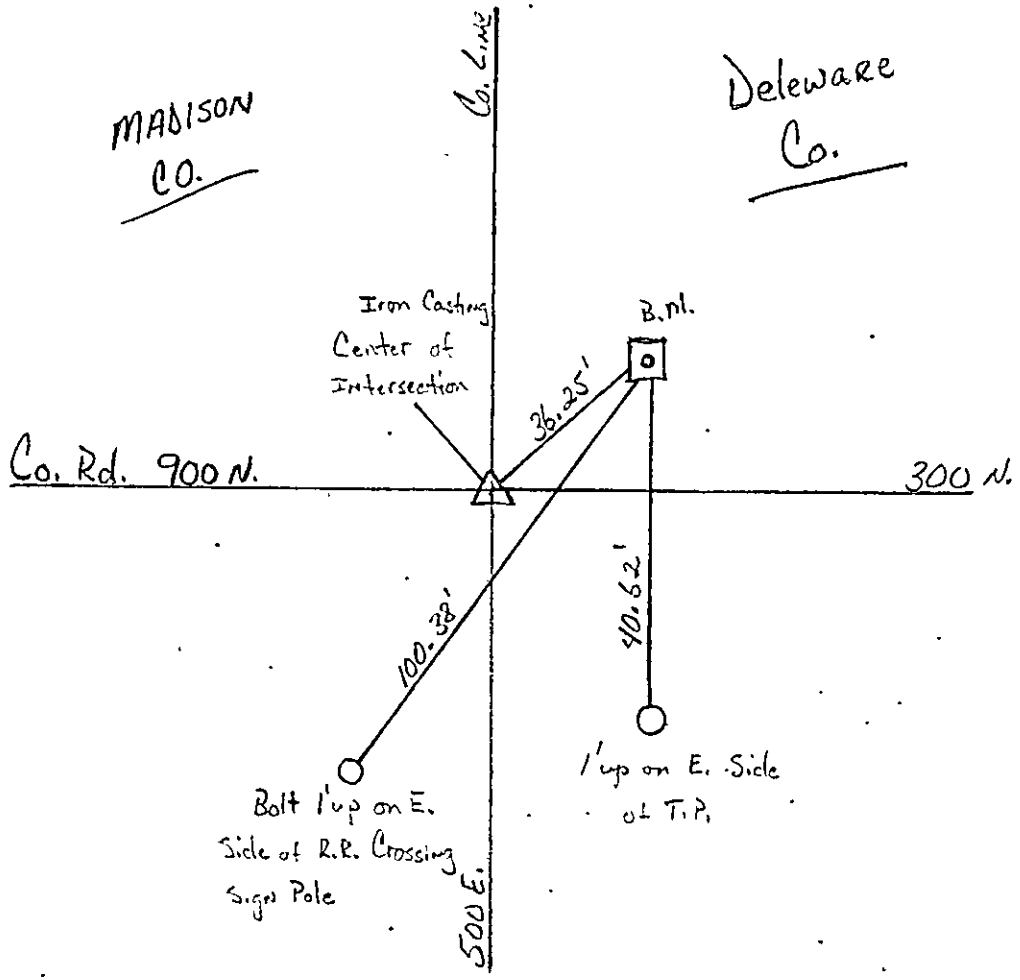
Approved: _____ Date: _____

COUNTY SURVEYOR

DELEWARE COUNTY

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
25	21	8				X=	Y=		



Tied by: M.C.R.W. Date: 2-11-02

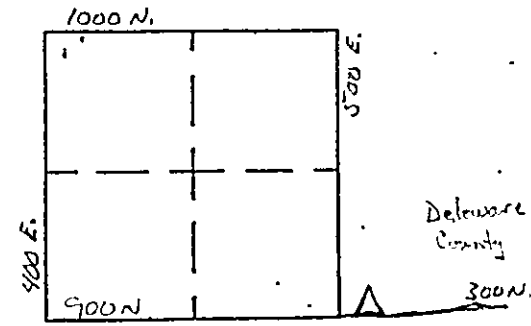
Drawn by: M.C. Date: 3-13-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

J-218

Disk Set in Concrete Square Projection 4" High.



MARKER LOCATION

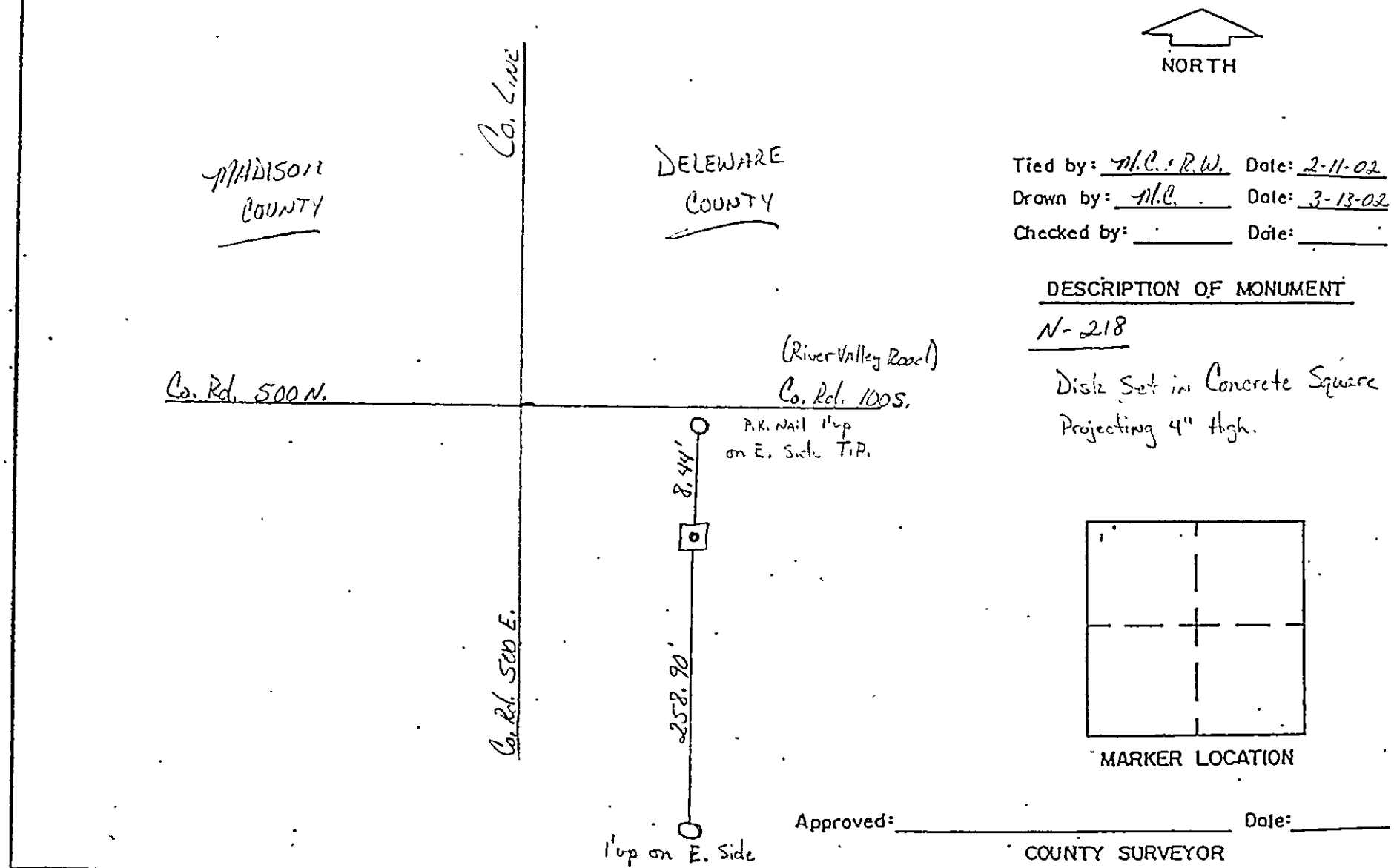
Approved: _____ Date: _____

COUNTY SURVEYOR

DELEWARE COUNTY

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		



Tied by: M.C. + R.W. Date: 2-11-02

Drawn by: M.C. Date: 3-13-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

N-218

Disk Set in Concrete Square Projecting 4" High.

MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
1.	17	7			925.972	X=	Y=		

NORTH

Tied by: RW/MC Date: 2/22/02

Drawn by: RW Date: 3/14/02

Checked by: _____ Date: _____

1000 SOUTH

IRON PIPE IN CENTER OF INTERSECTION FLUSH WITH SURFACE OF ROAD

CHURCH MOUNT GILEAD

SOUTHWEST CORNER OF BUILDING

14.98'

68.54'

13.73'

1' UP ON NORTH SIDE OF POLE

63.32'

1' UP ON EAST SIDE OF P.P.

BENCHMARK DISC

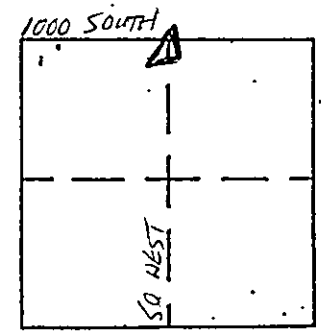
2 WEST

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE POST FLUSH WITH SURFACE OF GROUND

BENCHMARK DESIGNATION

19 JNM 1952



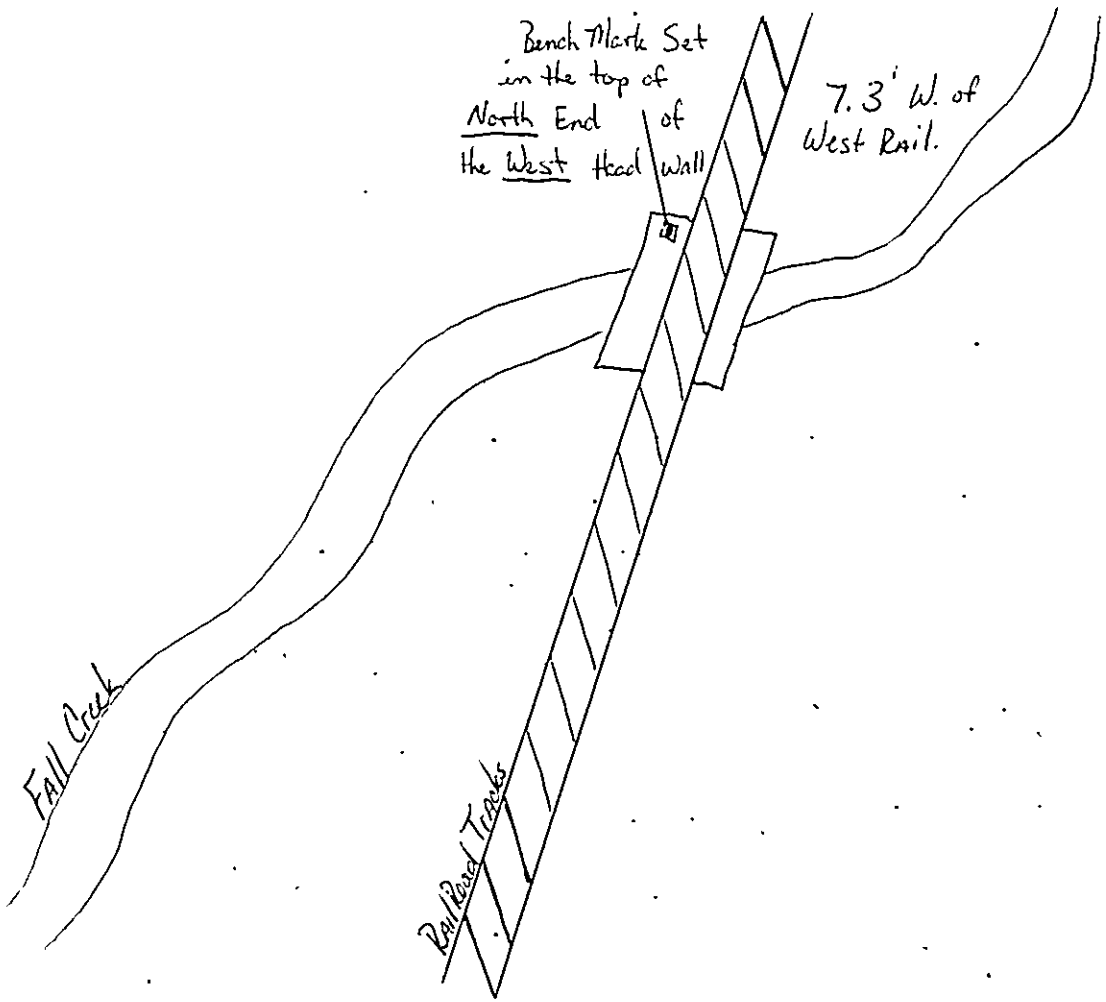
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
16	18	7			871.60'	X=	Y=		



NORTH

Tied by: M.C. - R.W. Date: 1-16-02

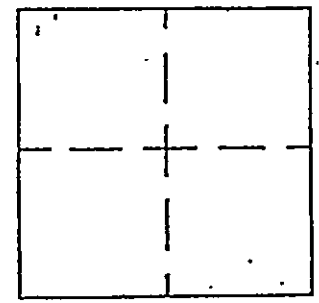
Drawn by: M.C. Date: 1-30-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench Mark - V234

Disk set in Concrete flush in the Abutment west of the West Rail on North End.



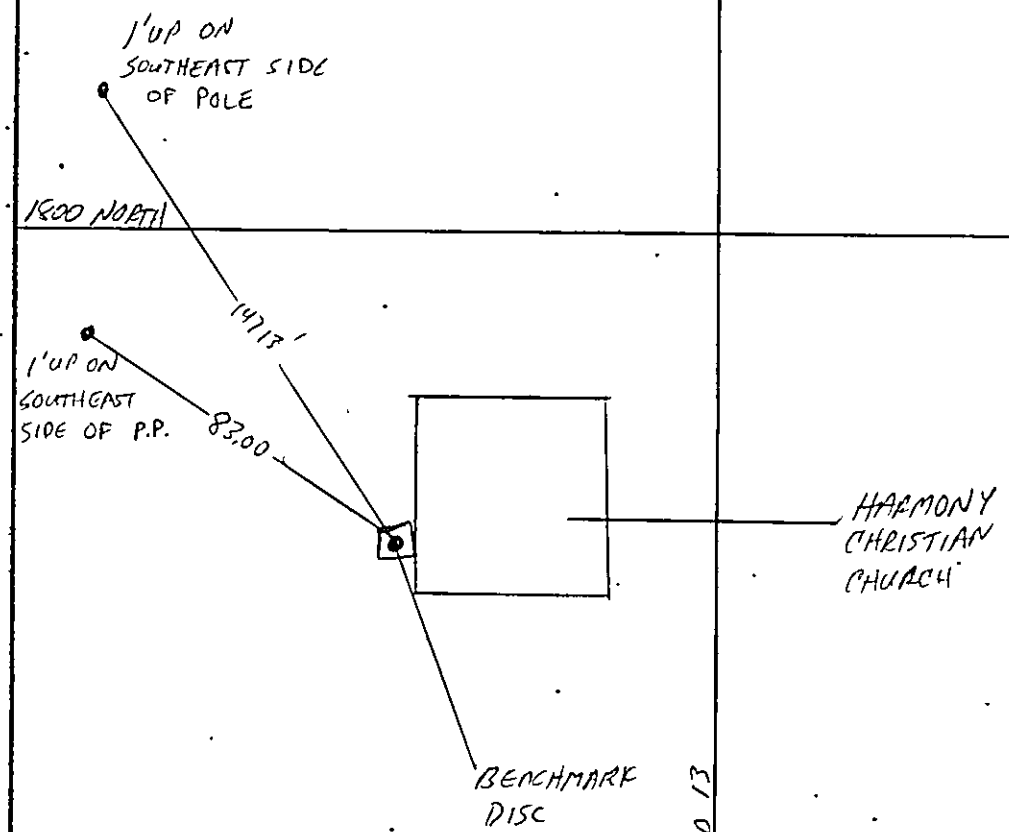
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
16	22	8			872.70	X=	Y=		



NORTH

Tied by: MC/RW Date: 1/3/02

Drawn by: RW Date: 1/29/02

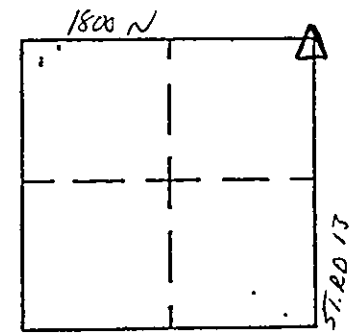
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC IN CONCRETE SLAB ON WEST SIDE OF CHURCH AND ABOUT EVEN WITH GROUND

BENCHMARK DESIGNATION

Z-208



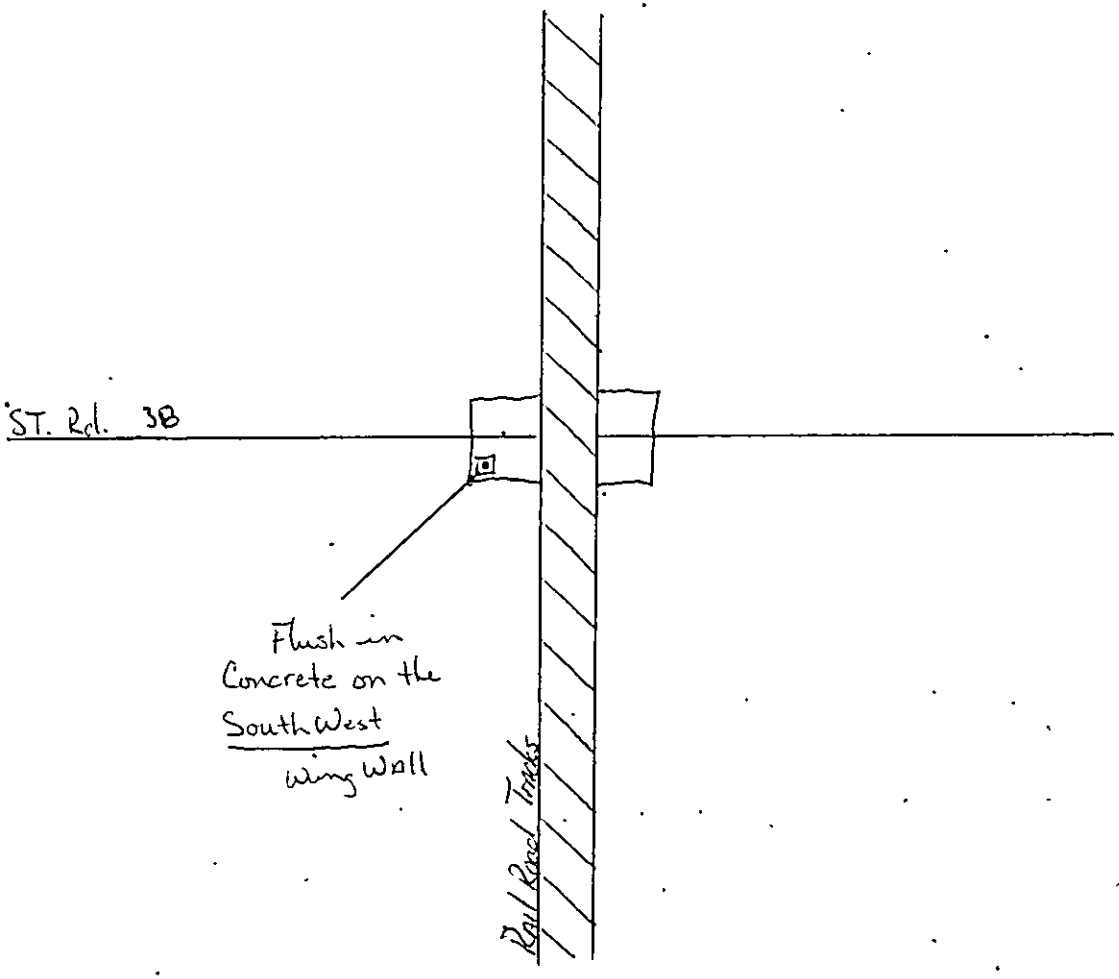
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
21	18	7			874.55'	X=	Y=		



NORTH

Tied by: M.C. - R.W. Date: 1-16-02

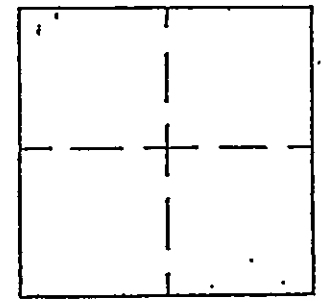
Drawn by: M.C. Date: 1-30-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench Mark - W372

Disk set in Concrete flush - S.W. Abutment Wing Wall



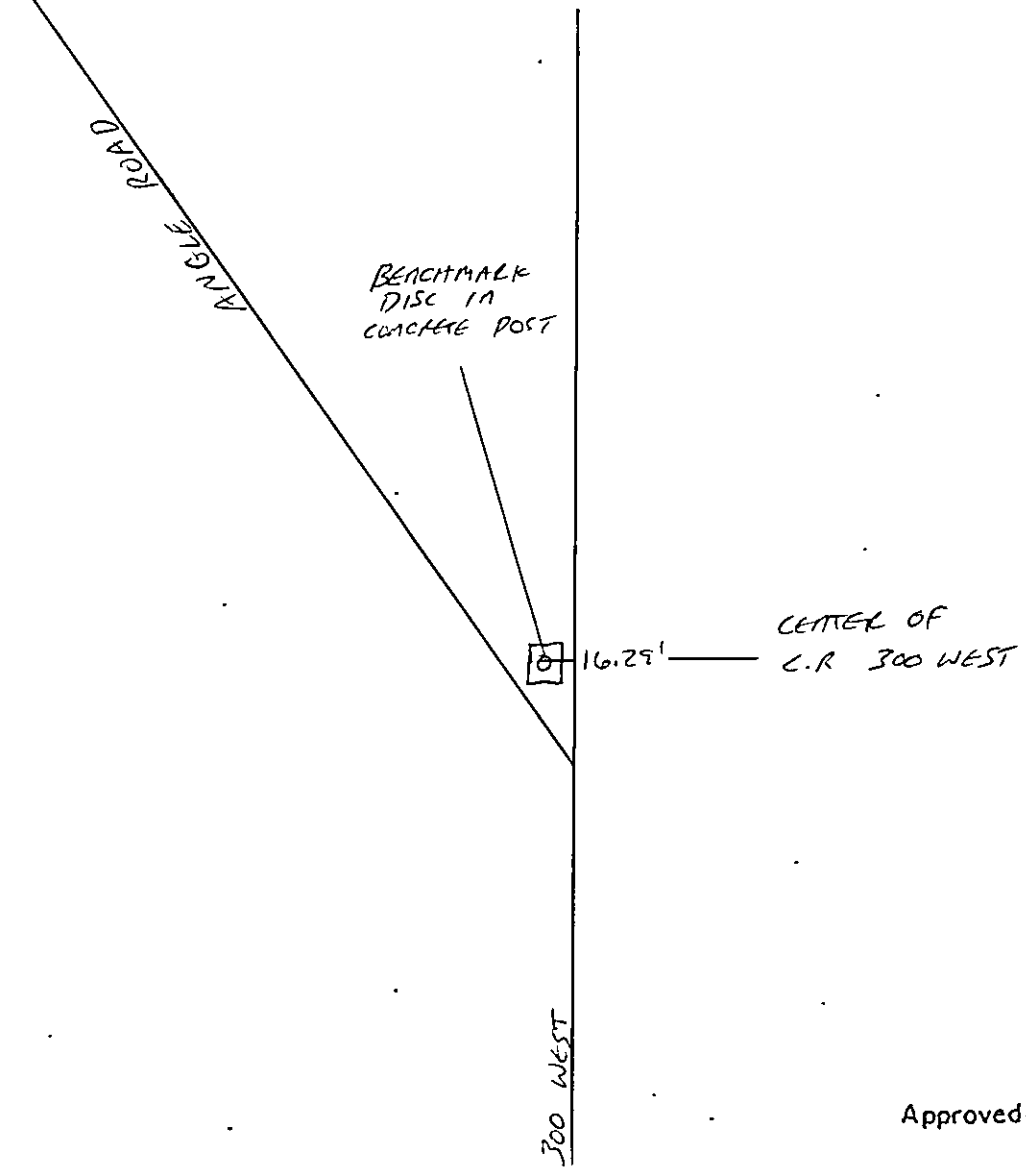
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
21	18	7			884.93	X=	Y=		



NORTH

Tied by: MC / RW Date: 12/4/01

Drawn by: RW Date: 12/10/01

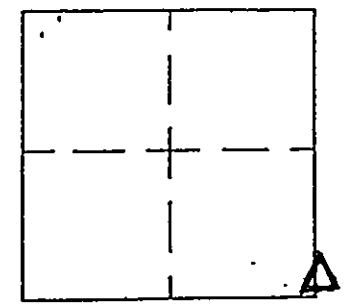
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

L 240



MARKER LOCATION

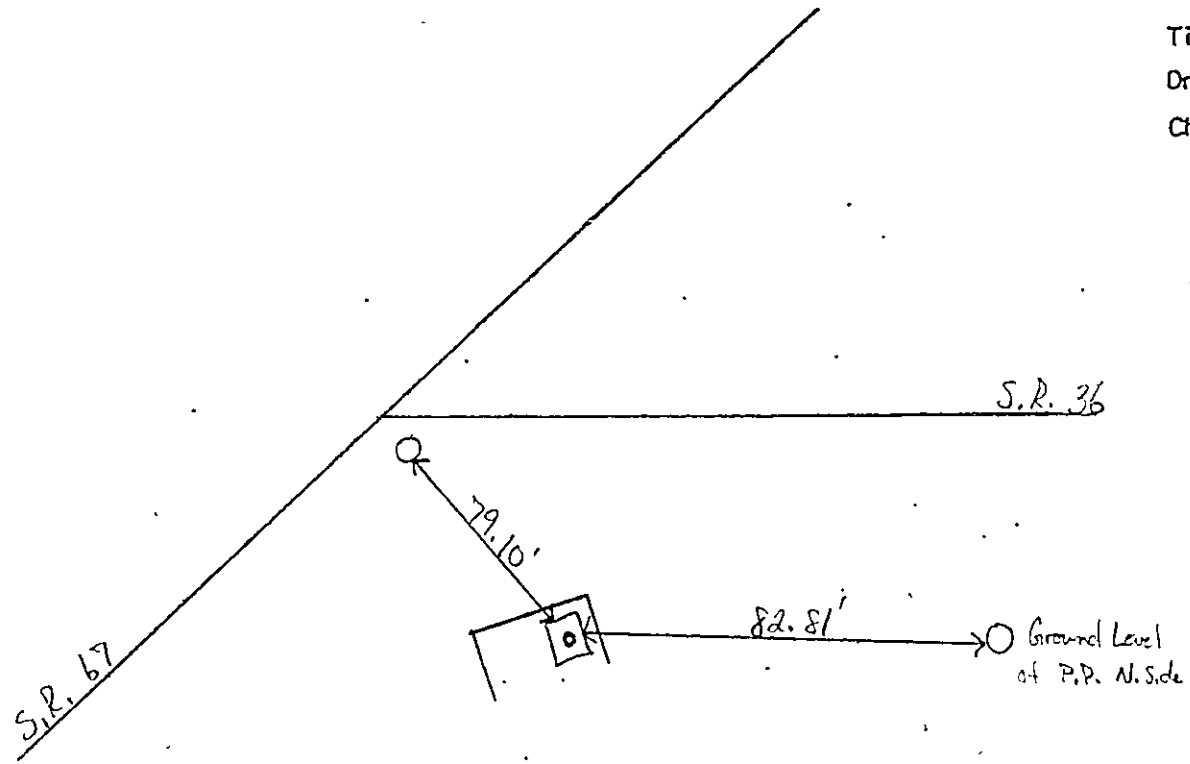
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
21	18	7				X=	Y=		

NORTH



Tied by: M.C. + R.W Date: 2-14-02

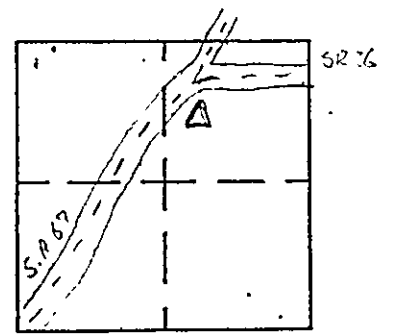
Drawn by: M.C. Date: 3-15-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

MAG - G? S.E. Corner of Intersection

Disk Located on Cement Square Projecting 4" High, *(Lead was Slightly Rubbed to not be able to id. key #)



MARKER LOCATION

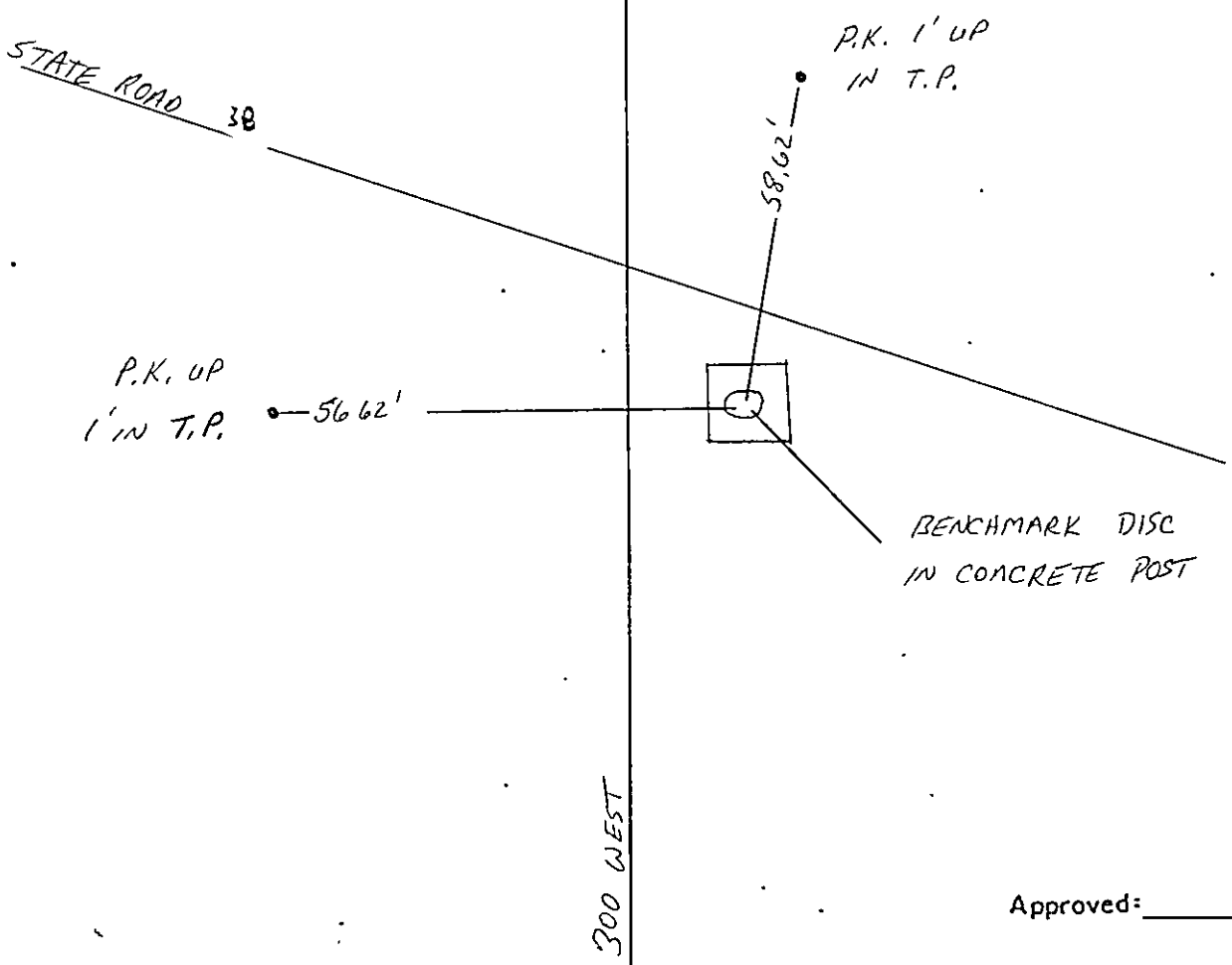
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
22	18	7			877.47	X=	Y=		

NORTH



Tied by: MC + RW Date: 12/4/2001

Drawn by: RW Date: 12/6/2001

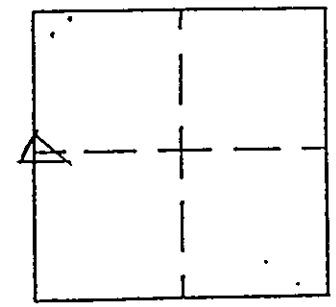
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

D 240



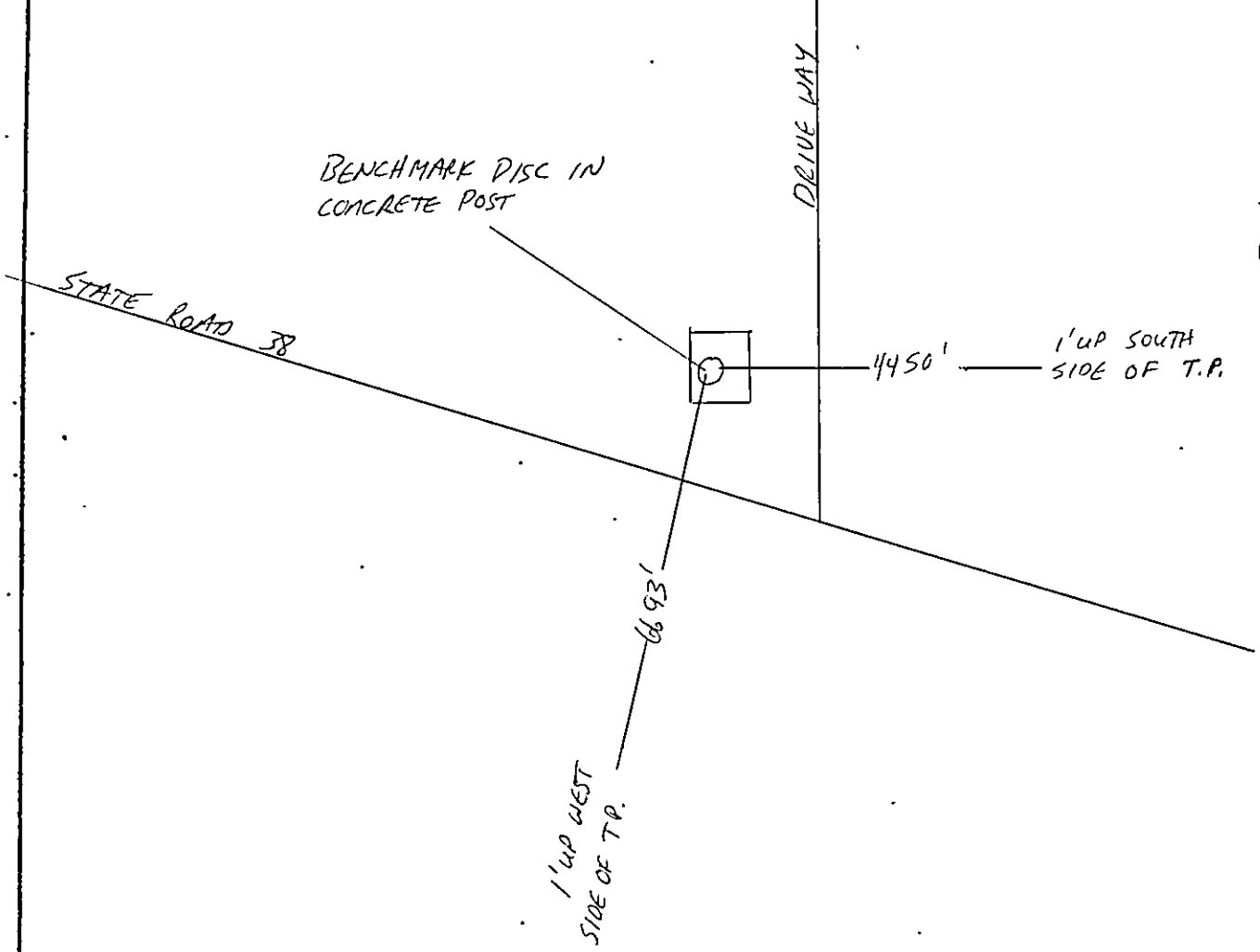
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
22	18	7			894.84	X=	Y=		



Tied by: MC & RW Date: 12/4/2001

Drawn by: RW Date: 12/6/2001

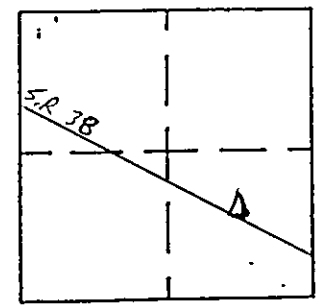
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

E 290



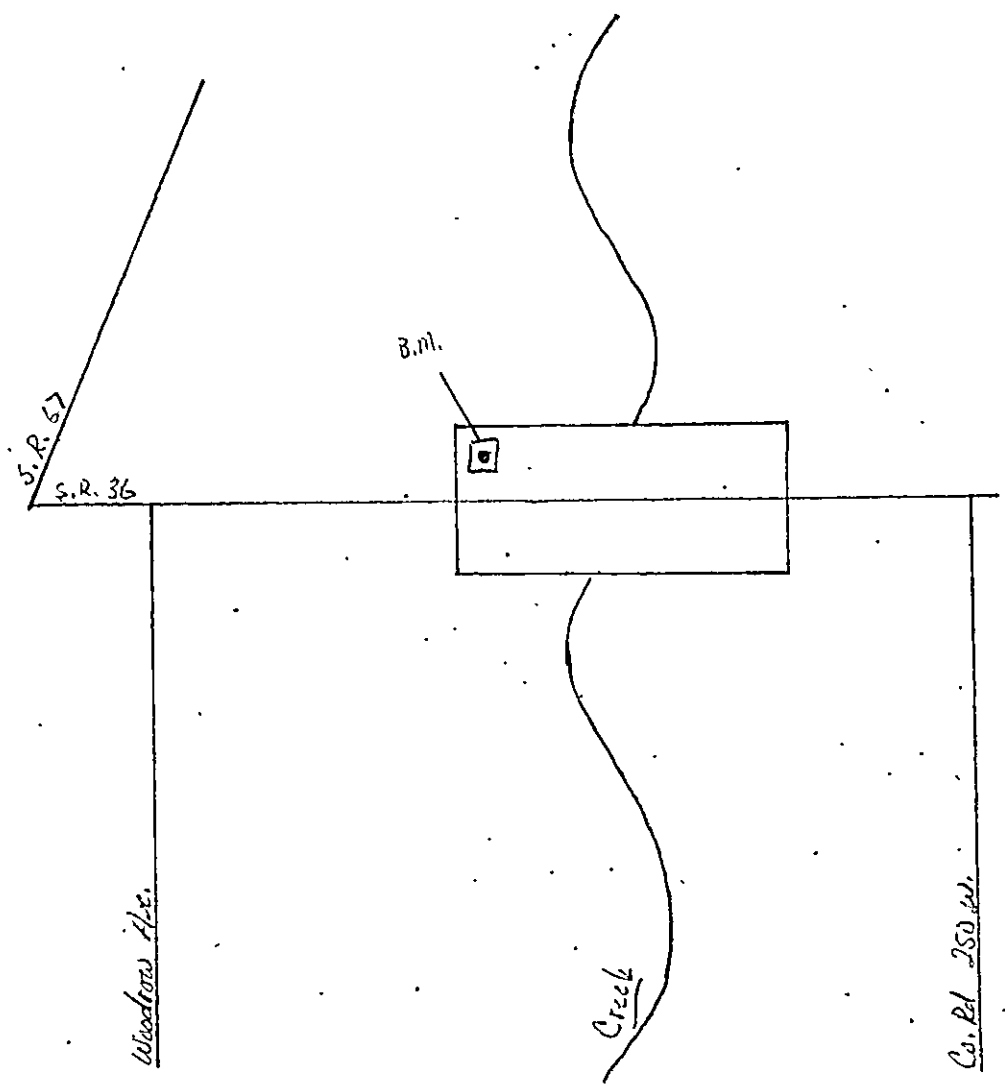
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

ECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		
22	18	7							



Tied by: n/C. & P.W. Date: 2-14-02

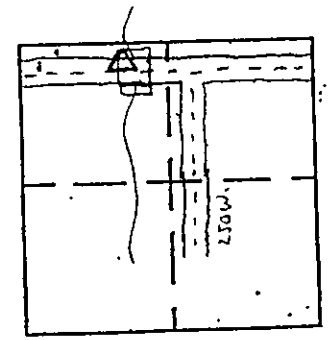
Drawn by: n/C. Date: 3-18-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

n/A's & I/R

Disc is Set on Top of Concrete Bridge Wall. North Side of S.R. 36 and on the West Side of Creek



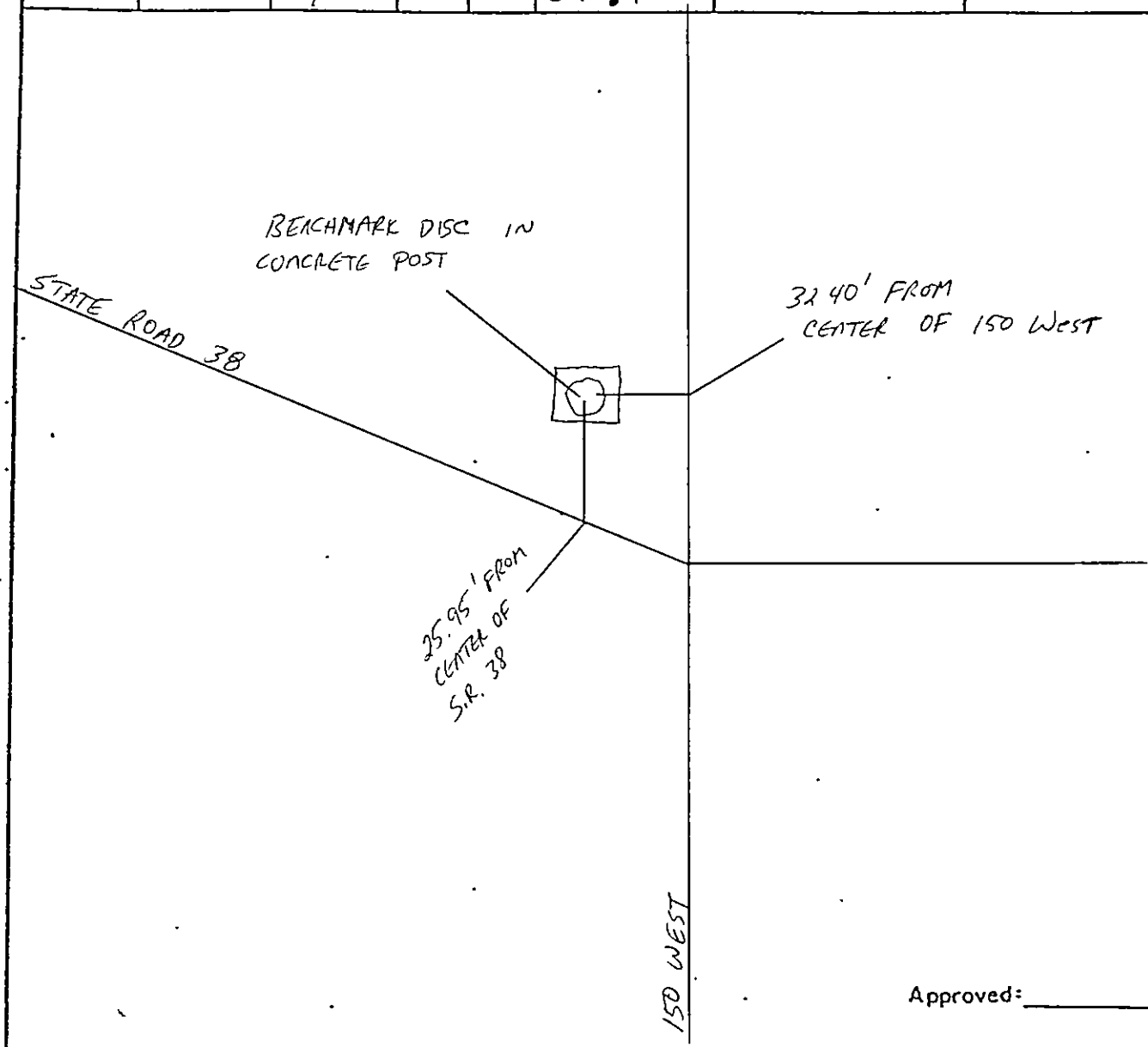
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
13	18	7			894.73	X=	Y=		



Tied by: MC & RW Date: 12/4/2001

Drawn by: RW Date: 12/6/2001

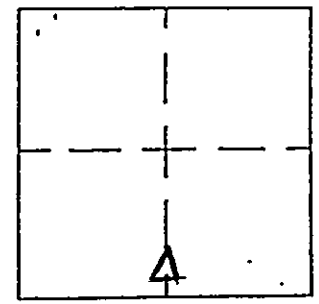
Checked by: Date:

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

F 240



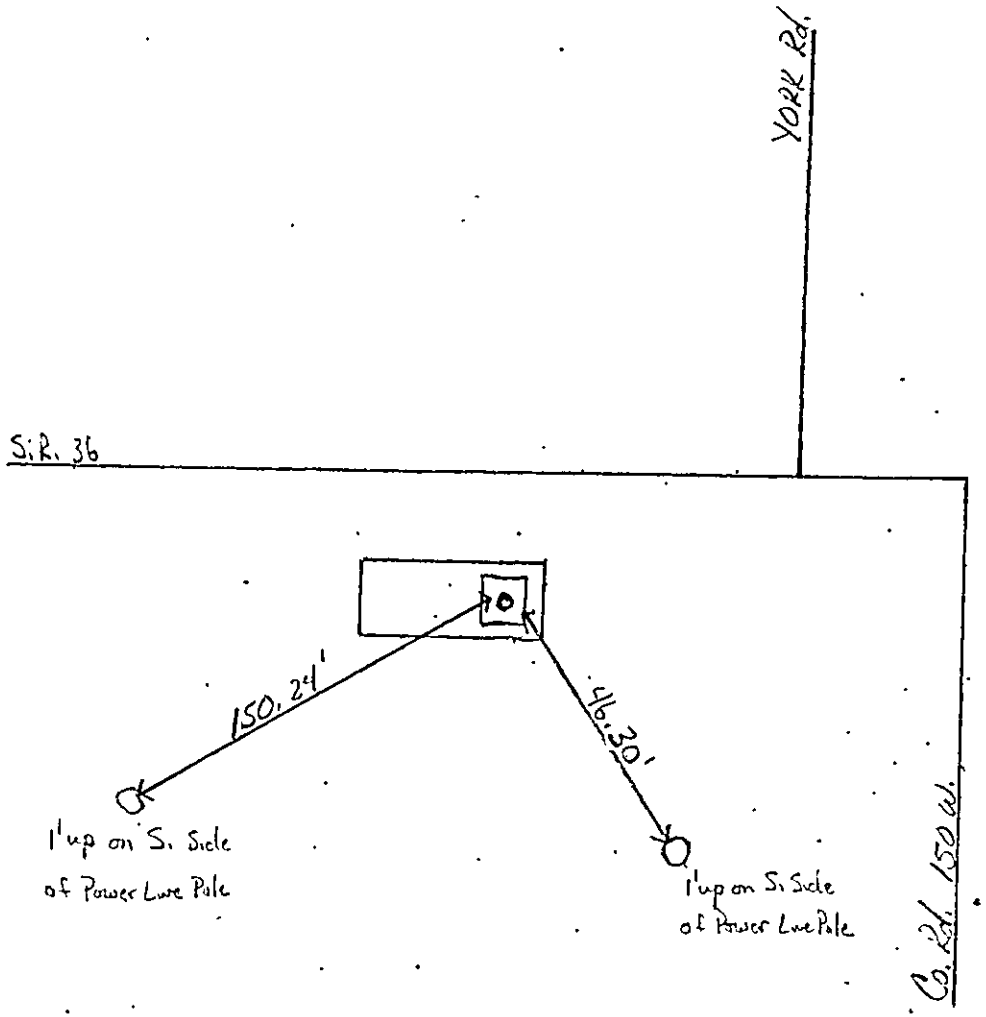
MARKER LOCATION

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
23	18	7				X=	Y=		



NORTH

Tied by: M.C. + R.W. Date: 2-14-02

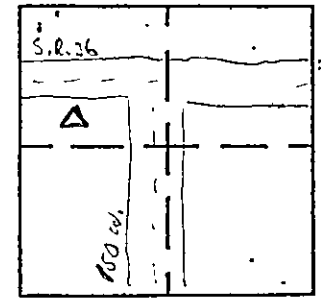
Drawn by: M.C. Date: 5-18-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

MAG 10

Disc is Set top of Headwall on South Side of S.R. 36



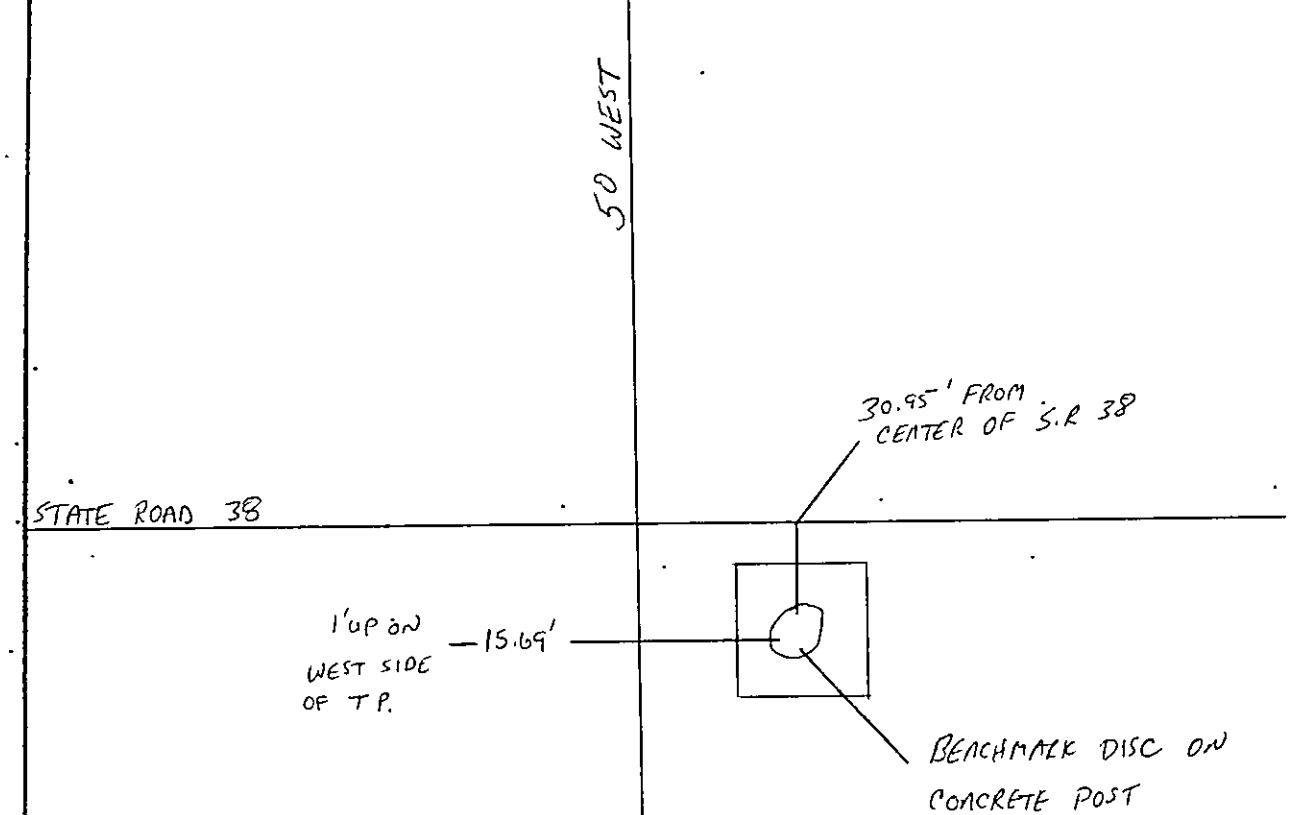
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
25	18	7			897.19	X=	Y=		



NORTH

Tied by: MC & RW Date: 12/4/2001

Drawn by: RW Date: 12/6/2001

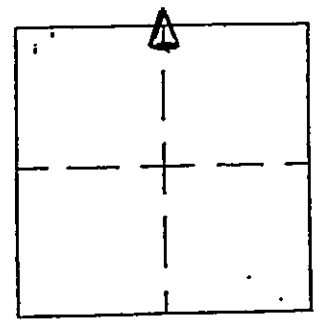
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

G-240



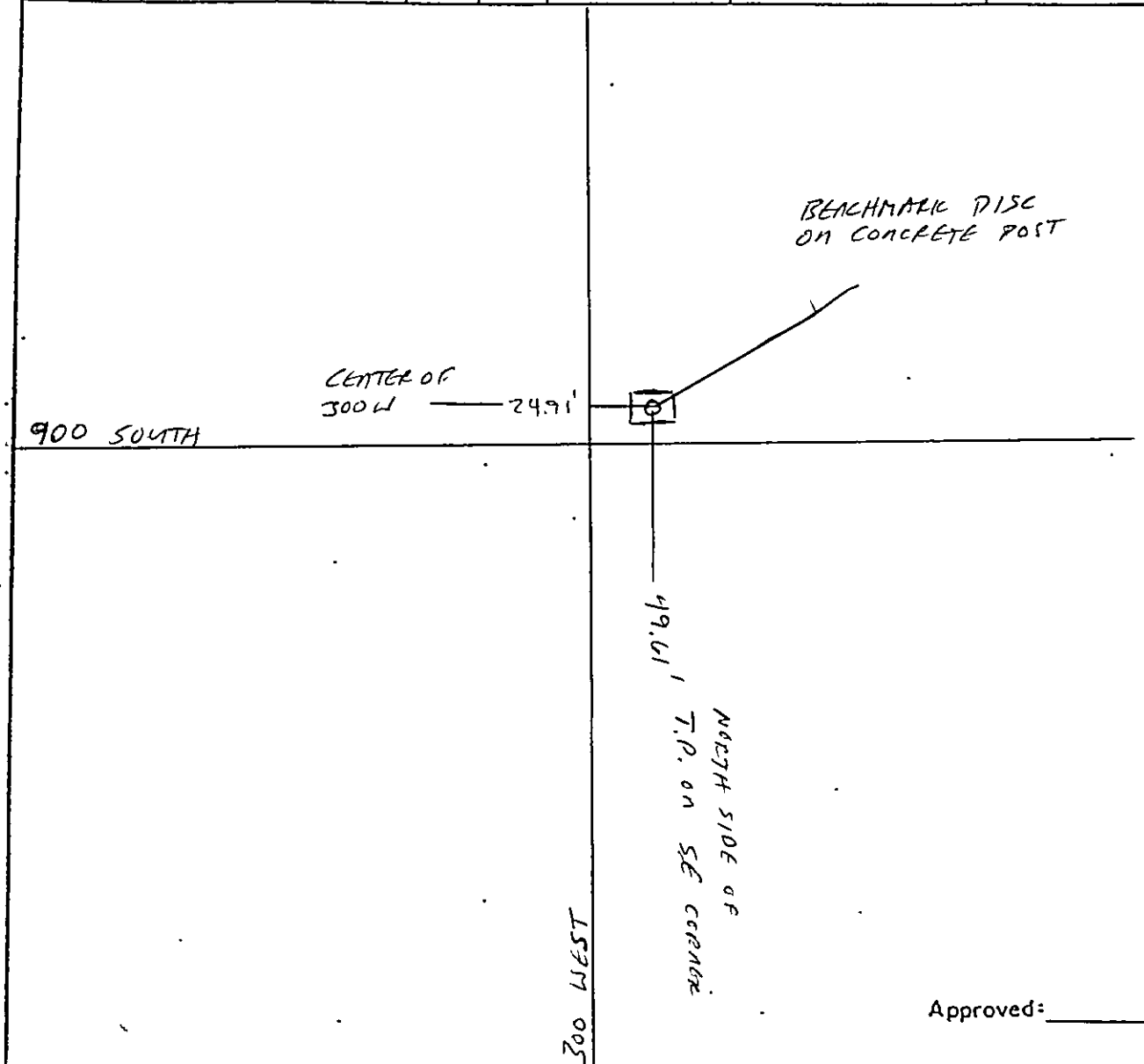
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
27	18	7			871.56	X=	Y=		



Tied by: MC/RW Date: 12/4/2001

Drawn by: RW Date: 12/12/2001

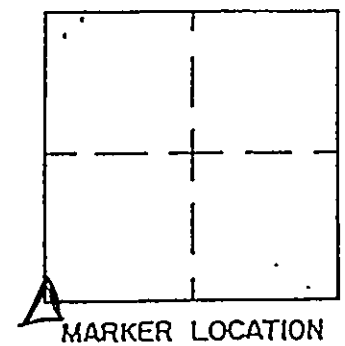
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX (6) INCHES ABOVE GROUND

BENCHMARK DESIGNATION

M 240

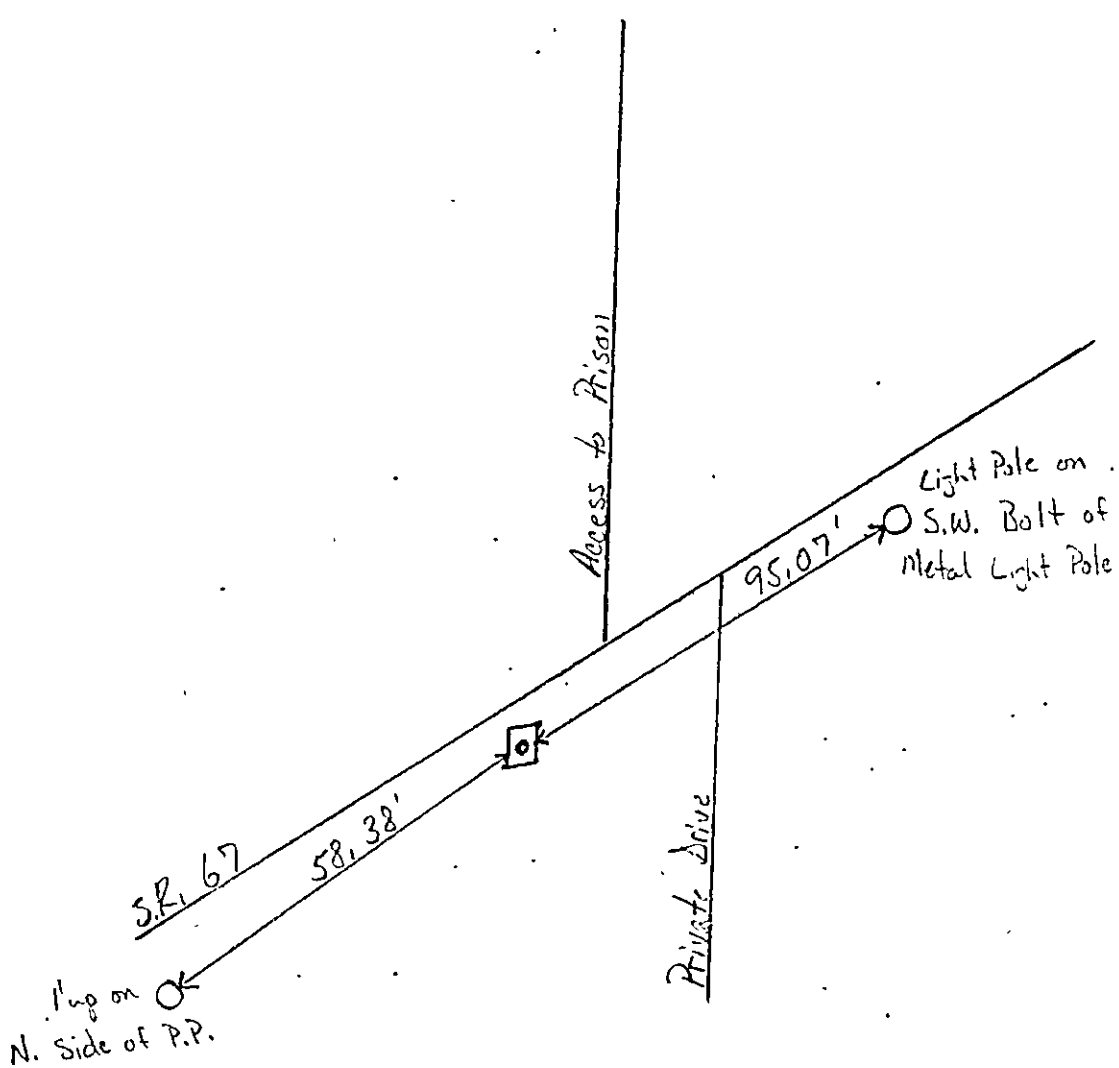


Approved: _____ Date:

COUNTY SURV

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
29	18	7				X=	Y=		



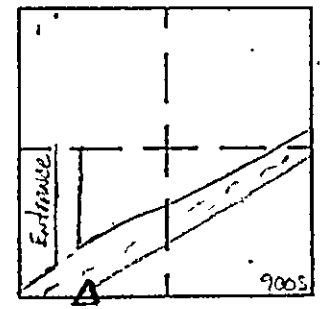
Tied by: M.C. & P.W. Date: 2-14-02

Drawn by: M.C. Date: 3-15-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

NAD 61-23



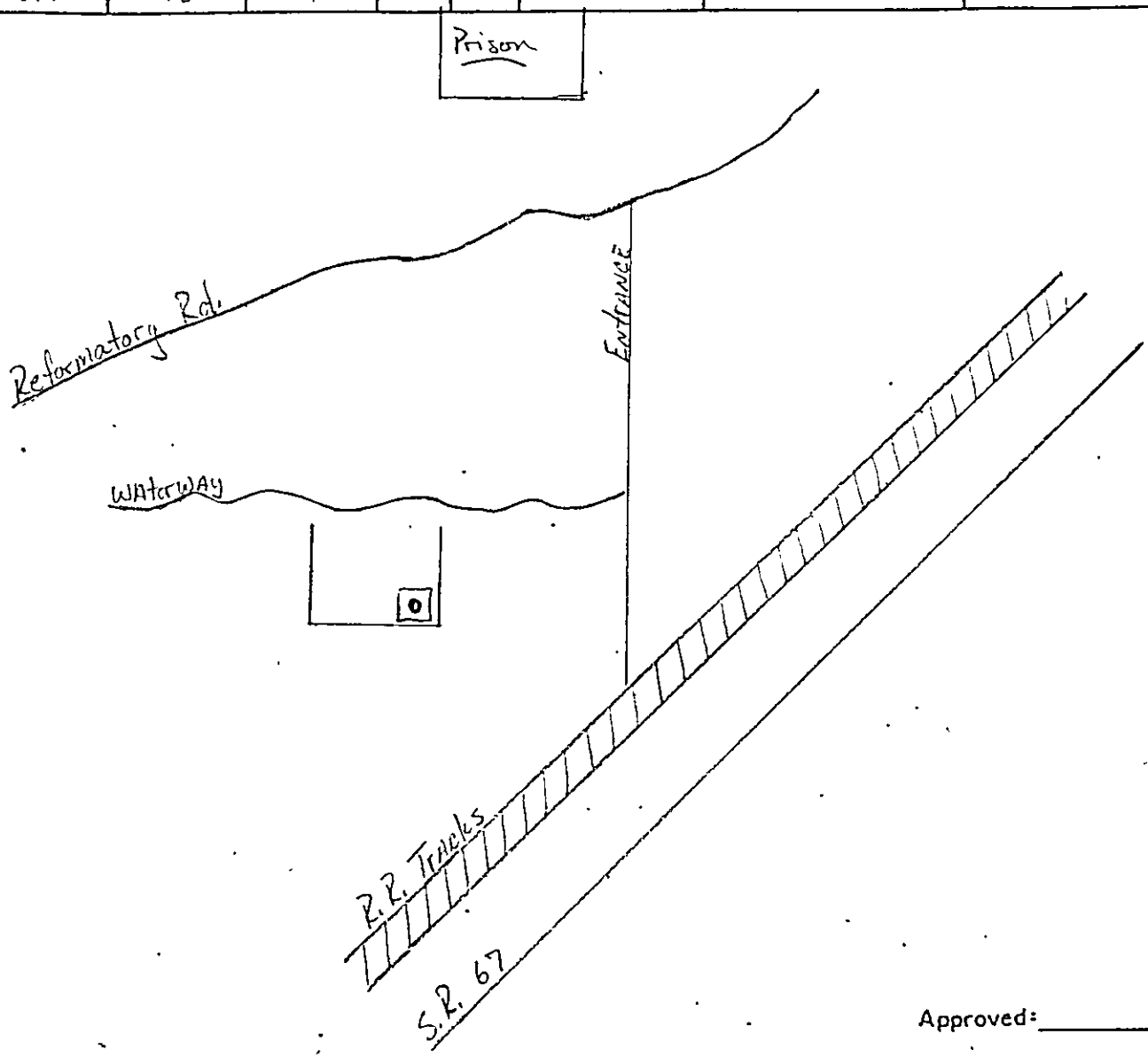
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
29	18	7				X=	Y=		



Tied by: M.C.+R.W. Date: 2-14-02

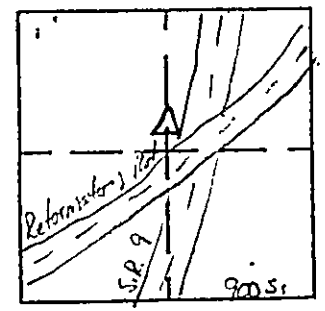
Drawn by: M.C. Date: 3-15-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

O - 4

Bench Mark Disk is set on top of Headwall @ 30' North of Railroad Tracks Approximately 140' SouthWest of R.R. Pole # 257/5



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
3	17	7			888.91	X=	Y=		

NORTH

Tied by: MC / RW Date: 12/4/2001

Drawn by: RW Date: 12/12/2001

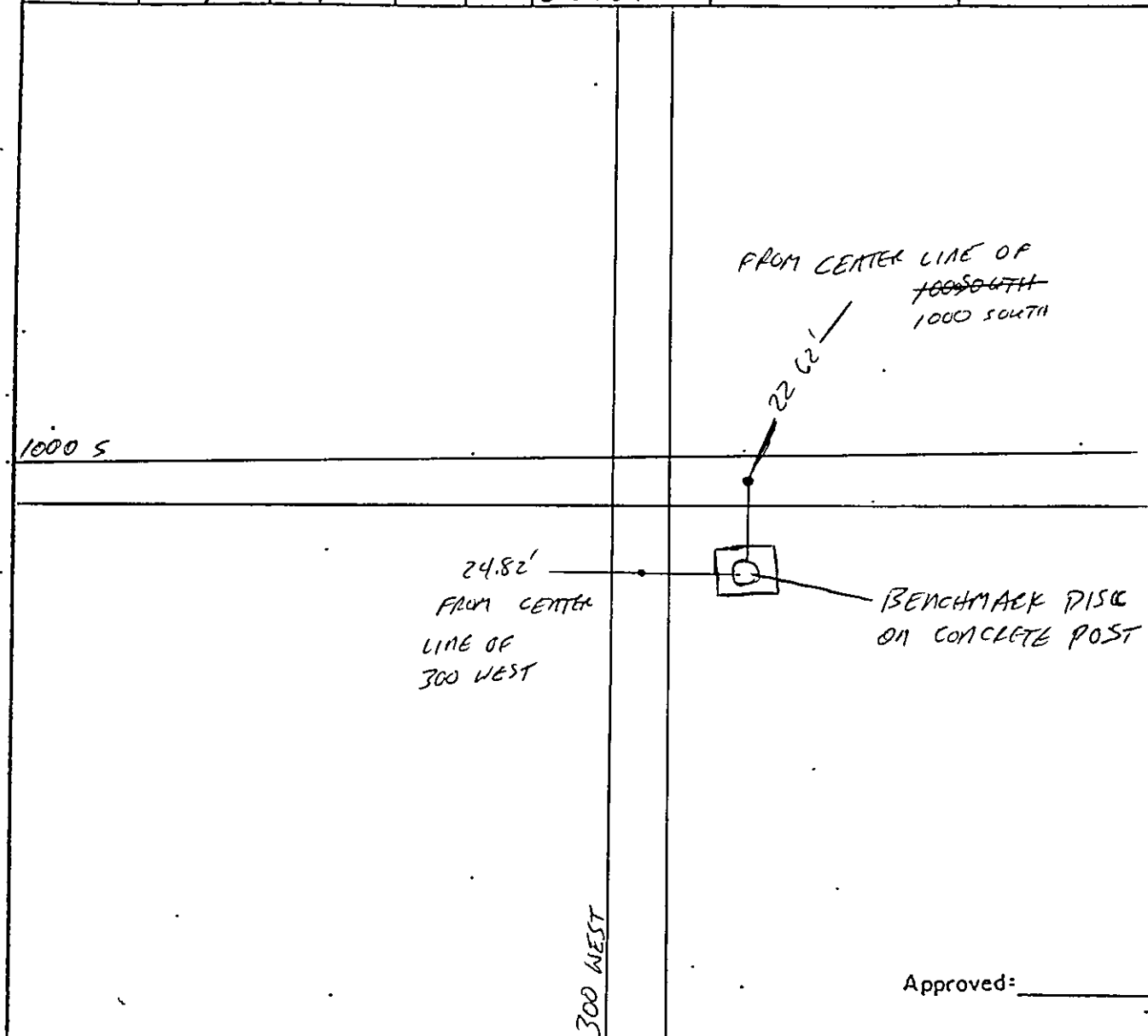
Checked by: _____ Date: _____

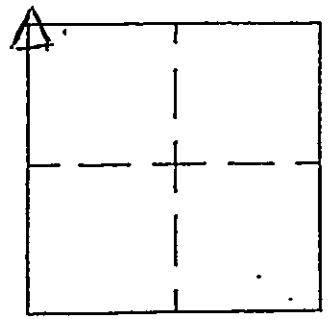
DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

N 240





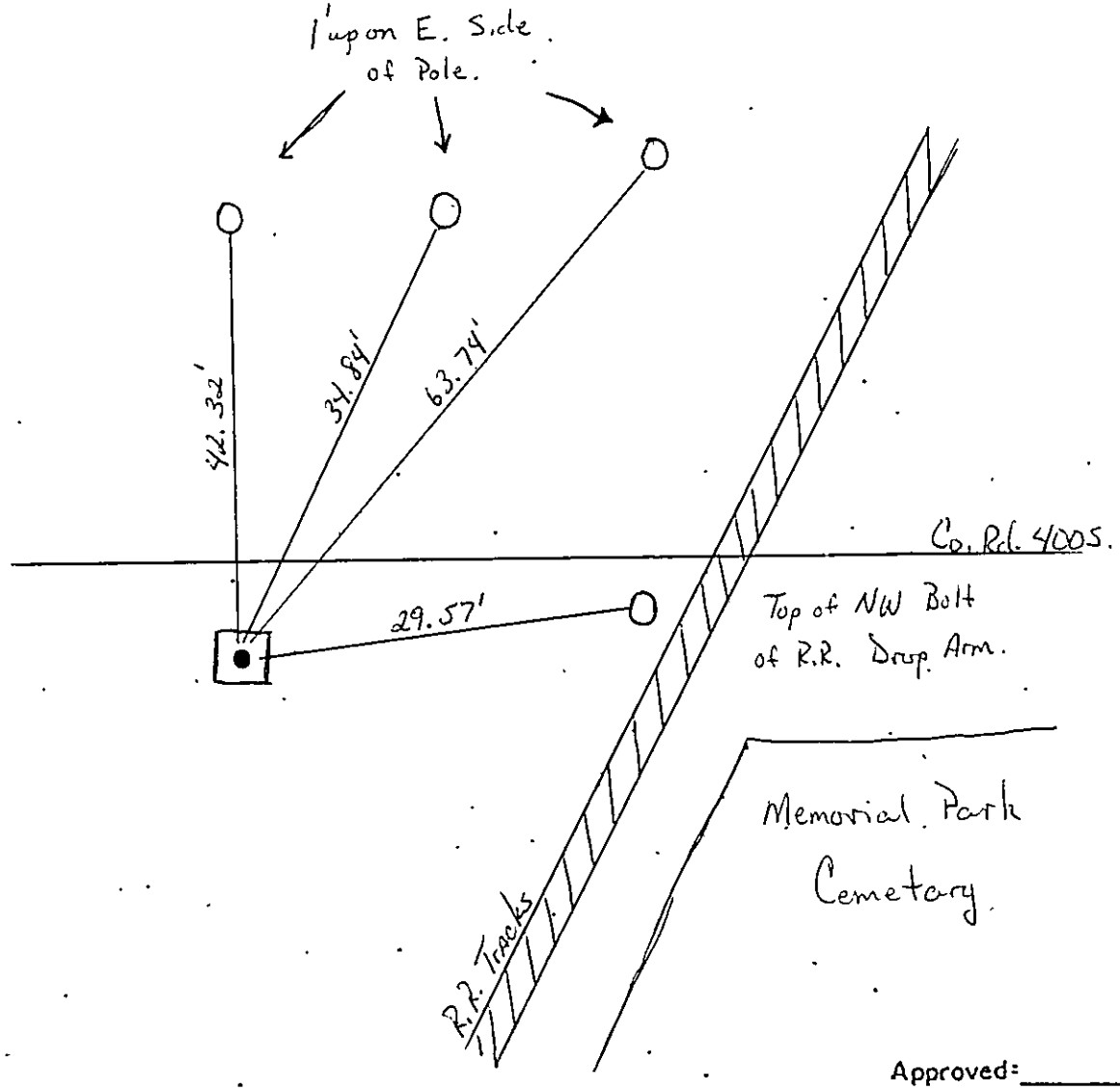
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
3	18	7			880.63'	X=	Y=		



NORTH

Tied by: M.C.-R.W. Date: 1-16-02

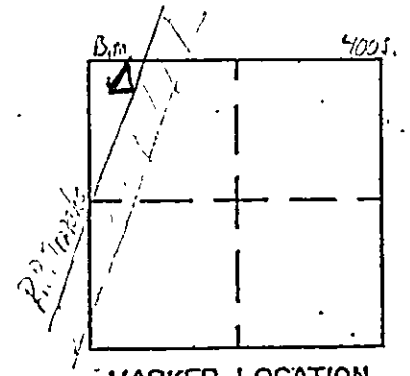
Drawn by: M.C. Date: 1-30-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench Mark - T234

Disk set in Concrete - 3" Below Ground.



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

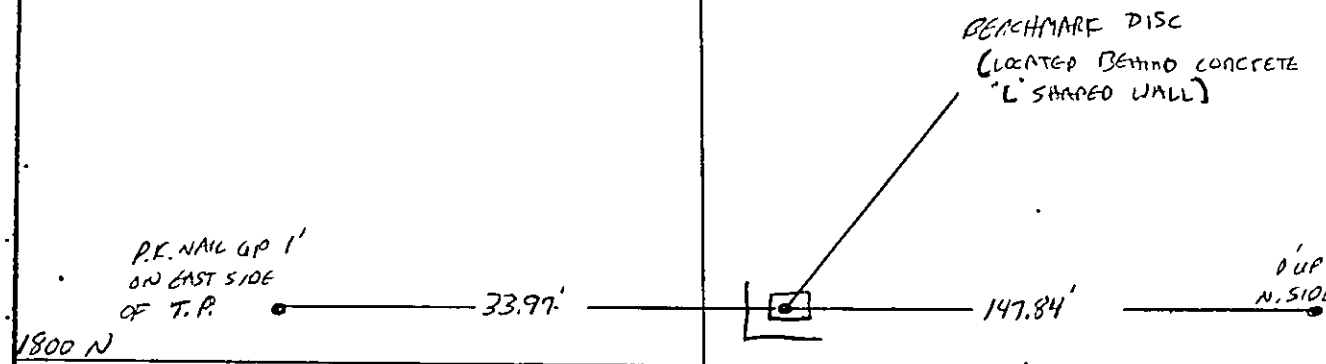
SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
09	22	6			869.67	X=	Y=		

NORTH

Tied by: AC/RW. Date: 1/3/02

Drawn by: RW Date: 1/29/02

Checked by: Date:

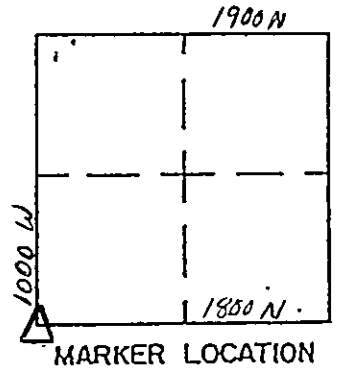


DESCRIPTION OF MONUMENT

BENCHMARK DISC SET ON

BENCHMARK DESIGNATION

Y-208



MARKER LOCATION

NOTE - BENCHMARK DISC ON CONCRETE POST ARE LEANING PARTLY ON ITS SIDE

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
1	17	7			925.972	X=	Y=		

NORTH

Tied by: RW/MC Date: 2/22/02
Drawn by: RW Date: 3/14/02
Checked by: Date:

1000 SOUTH

IRON PIPE IN CENTER OF INTERSECTION FLUSH WITH SURFACE OF ROAD

CHURCH
MOUNT GILEAD

SOUTHWEST CORNER OF BUILDING

14.78'

68.94'

13.73'

1' UP ON NORTH SIDE OF POLE

63.32'

1' UP ON EAST SIDE OF P.P.

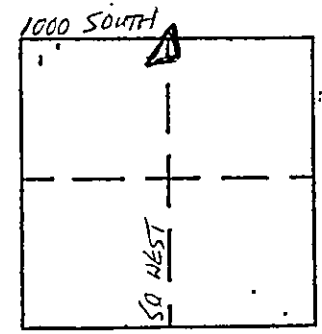
BENCHMARK DISC

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE POST FLUSH WITH SURFACE OF GROUND

BENCHMARK DESIGNATION

19 JNM 1952



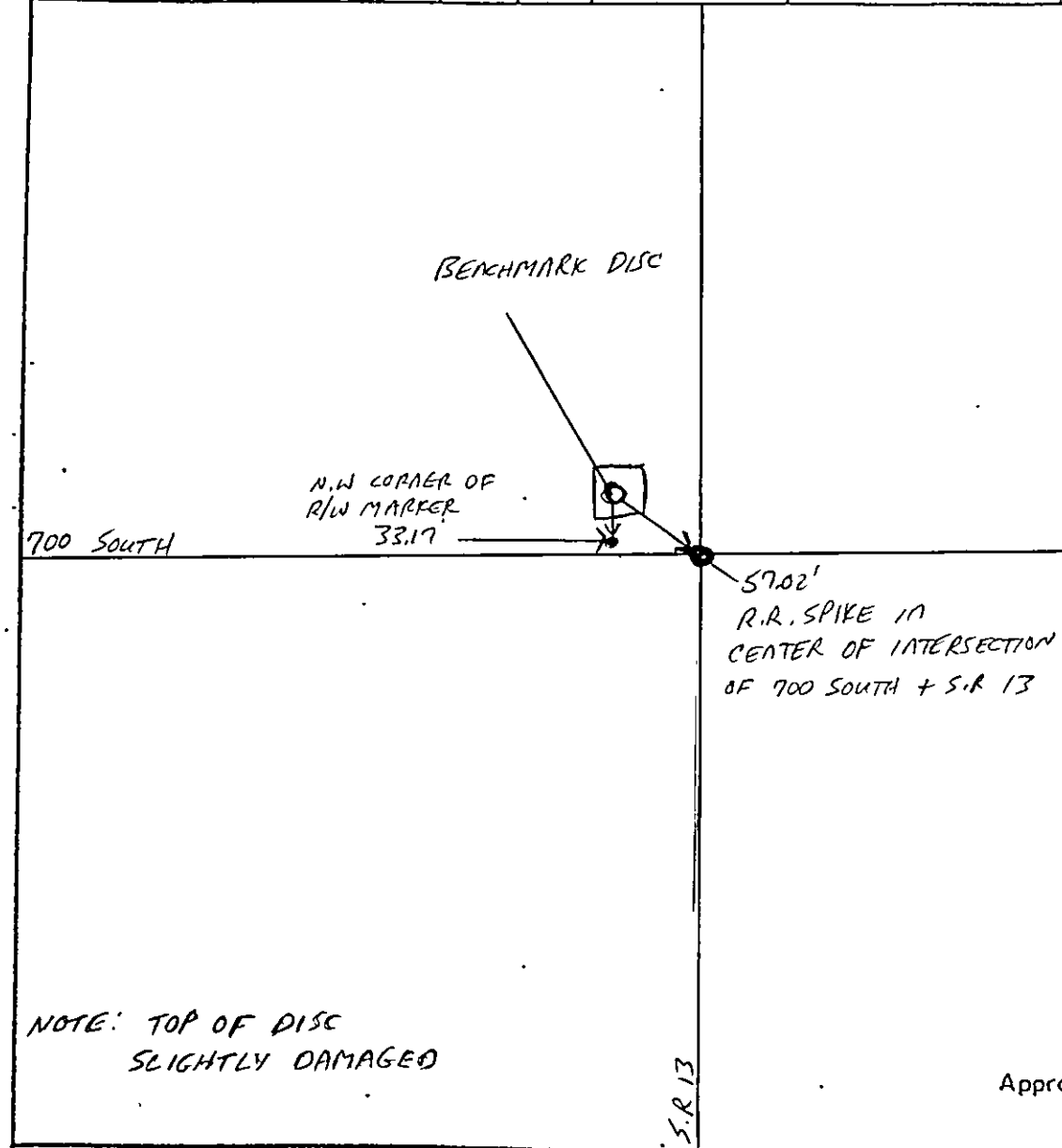
MARKER LOCATION

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
16	18	6			862.01	X=	Y=		



NOTE: TOP OF DISC SLIGHTLY DAMAGED

NORTH

Tied by: MC/RW Date: 12/11/2001

Drawn by: RW Date: 12/14/2001

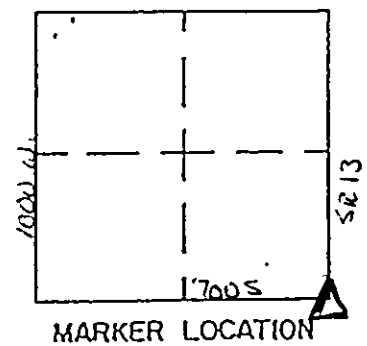
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC IS SET IN CONCRETE POST SIX (6) INCHES ABOVE GROUND

BENCHMARK DESIGNATION

F-236



MARKER LOCATION

Approved: _____ Date: _____

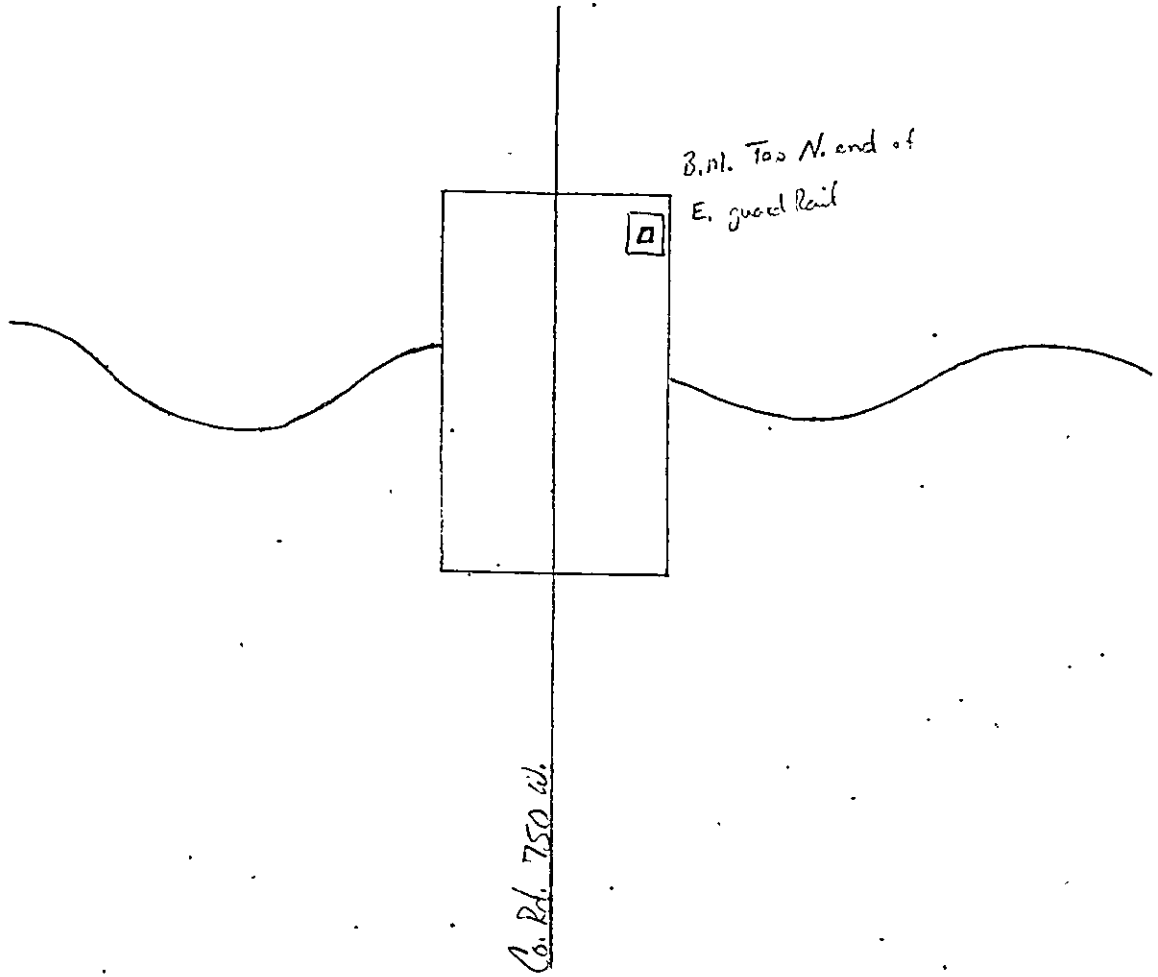
COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
2	17	6				X=	Y=		

657.51
457.51
120

NORTH



Tied by: M.C. + R.W. Date: 2-12-02

Drawn by: M.C. Date: 3-15-02

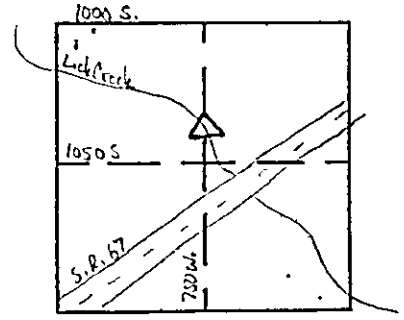
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Red Painted Chiseled Square

Square in top of North end of

East Concrete guard rail.



MARKER LOCATION

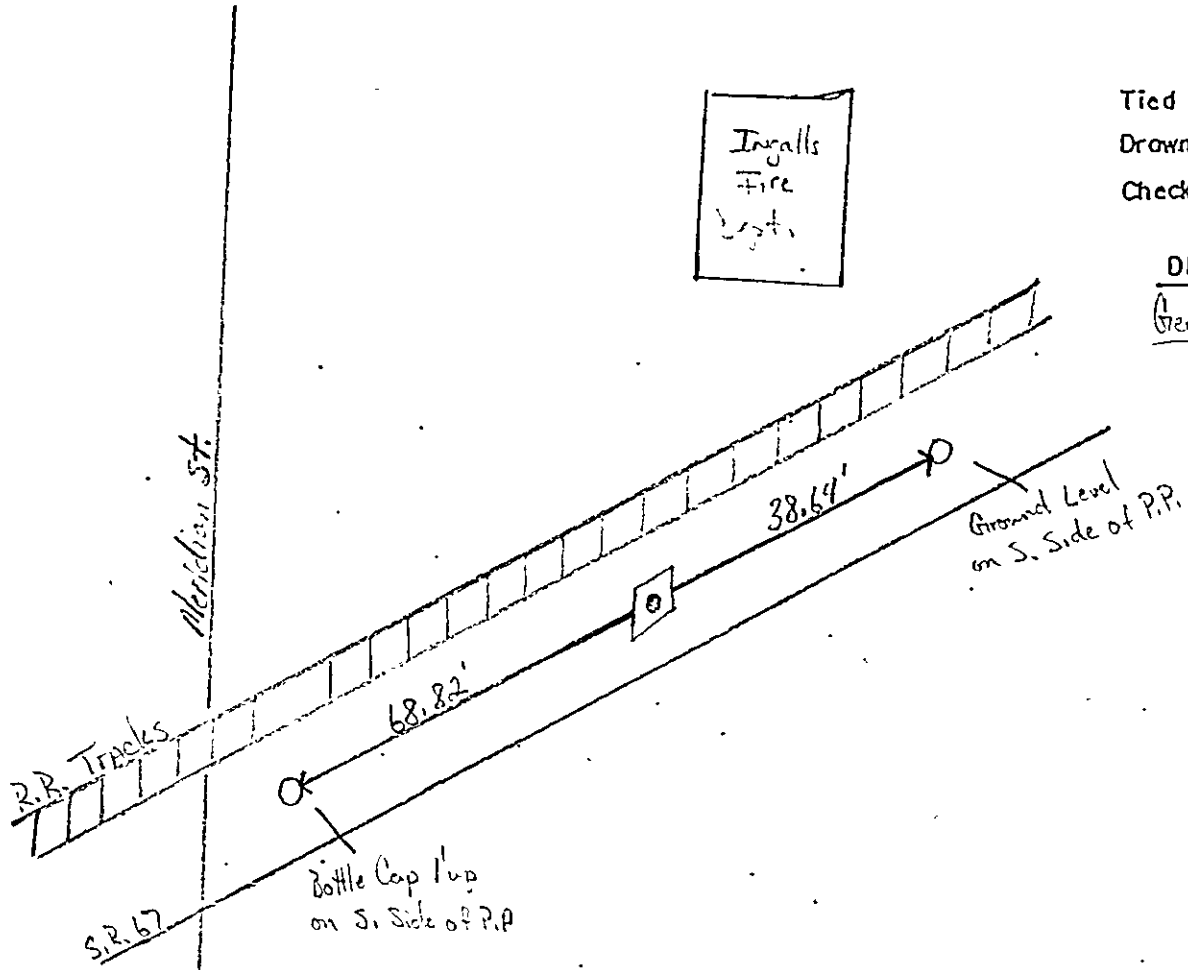
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
2	17	6				X=	Y=		

NORTH



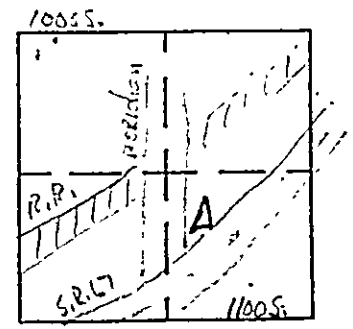
Tied by: M.C. & R.W. Date: 2-14-02

Drawn by: M.C. Date: 3-15-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Gearlache Control Point



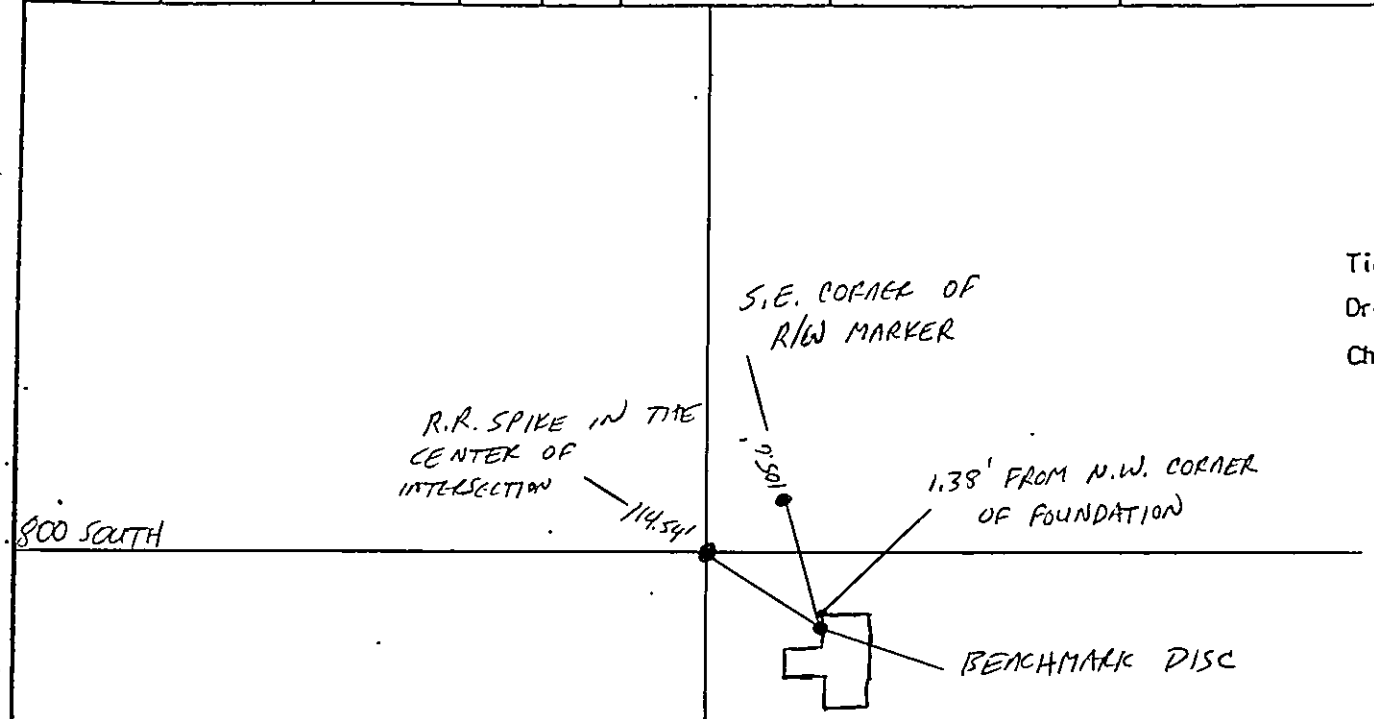
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
27	1B	6			864.15	X=	Y=		



Tied by: MC/RW Date: 12/10/2001

Drawn by: RW Date: 12/12/2001

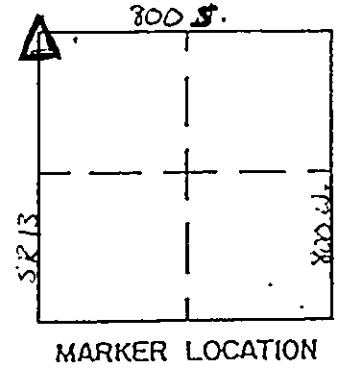
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN WEST FACE OF NORTH RECESS OF SCHOOL BUILDING

BENCHMARK DESIGNATION

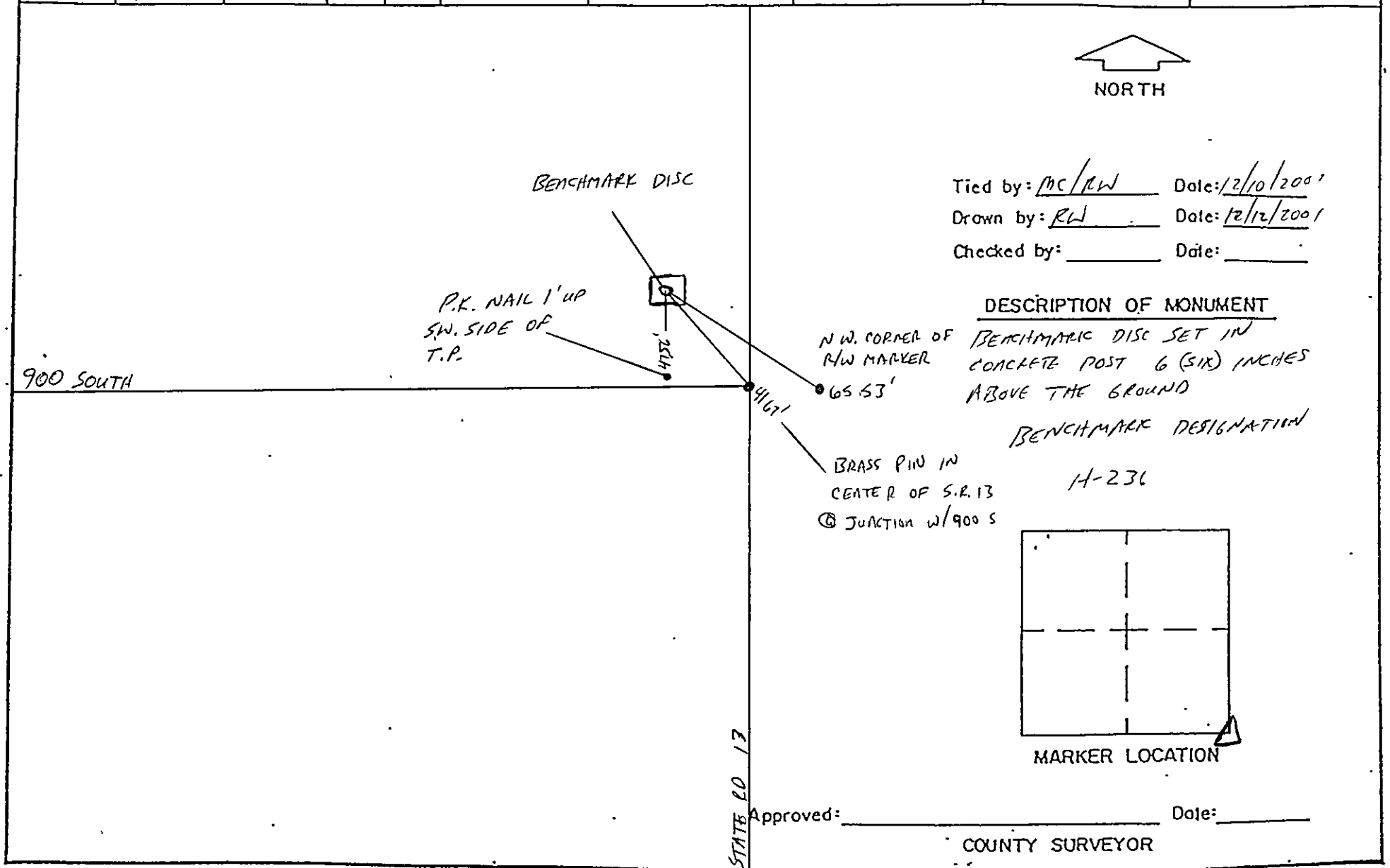
G23C



MARKER LOCATION

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
28	18	6			860.05	X=	Y=		



Tied by: MC/RW Date: 12/10/2001

Drawn by: RW Date: 12/12/2001

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST 6 (SIX) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

H-236

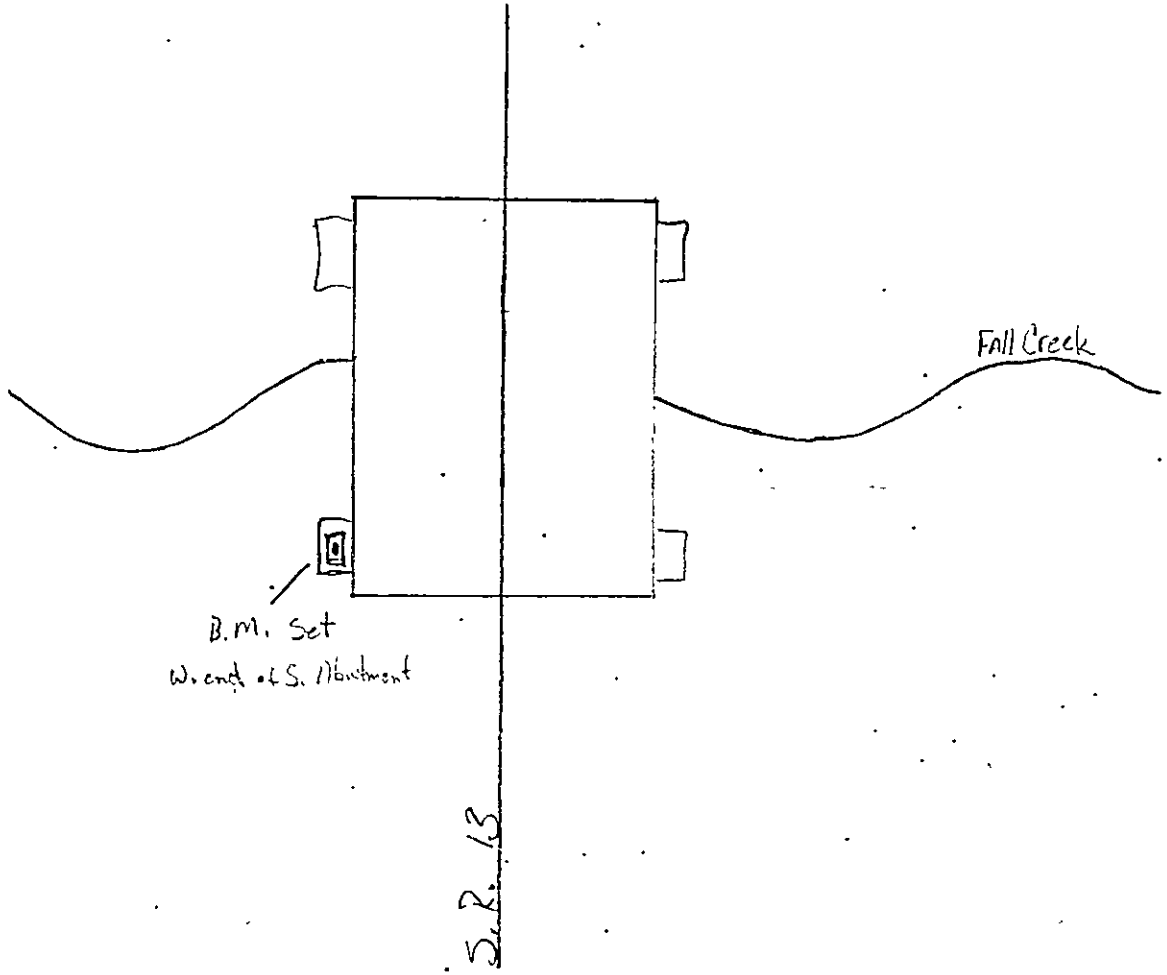
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
33	18	6				X=	Y=		



Tied by: M.C. & P.W. Date: 2-12-02

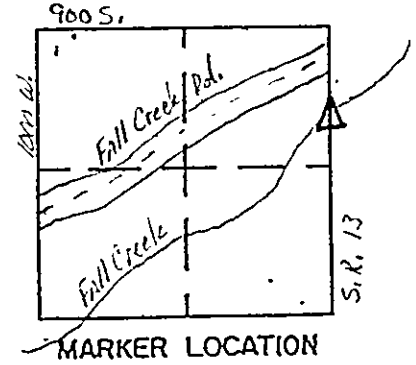
Drawn by: M.C. Date: 3-13-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

MAG 28

Bench Mark is Set in top of the West end of the South abutment on West side of Bridge.



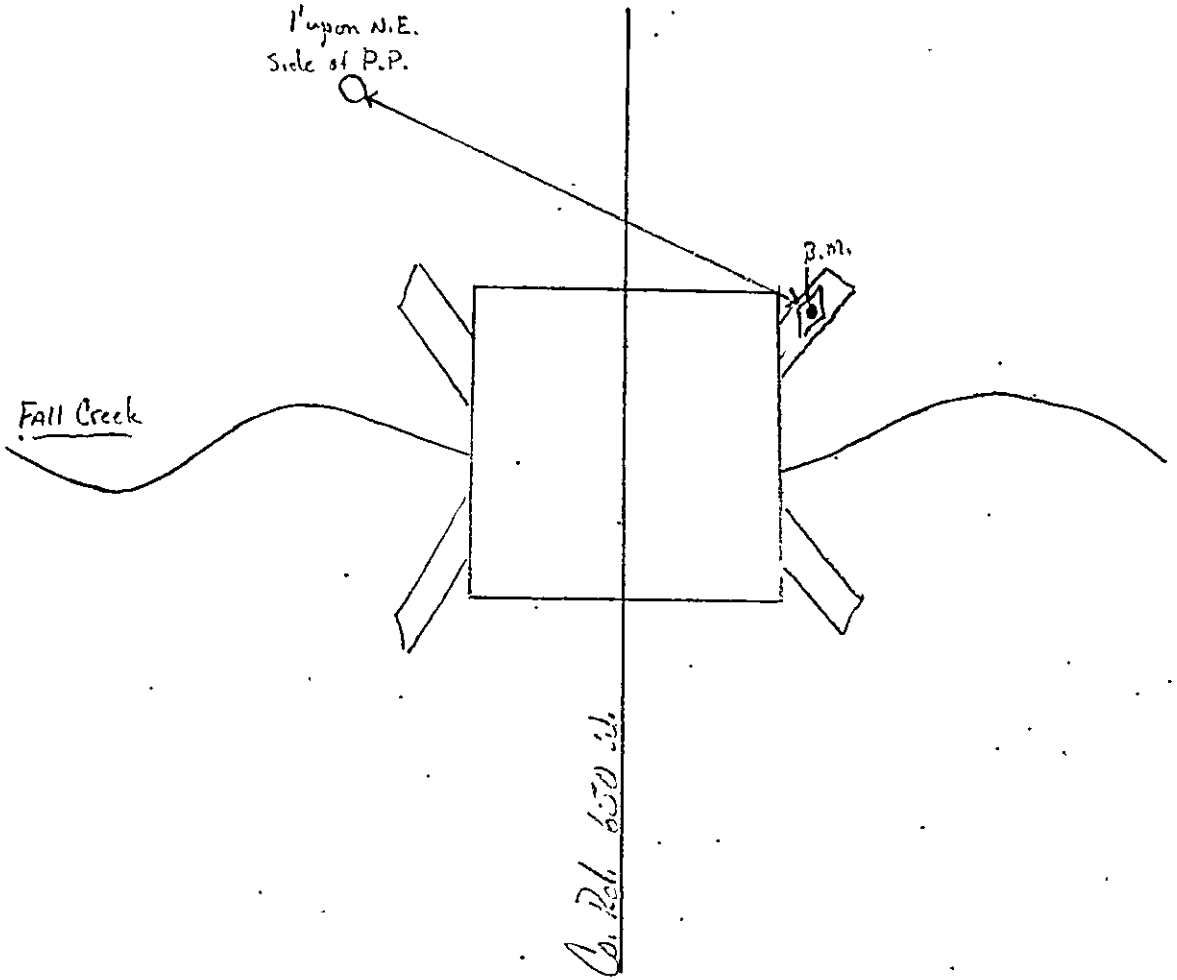
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
36	18	6				X=	Y=		



NORTH

Tied by: M.C. & R.W. Date: 2-12-02

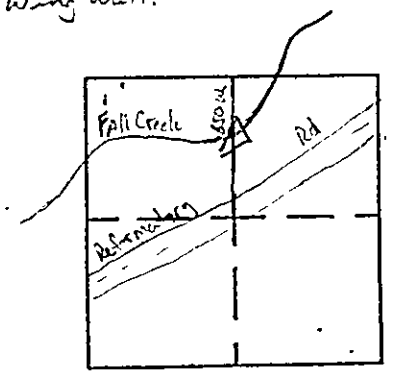
Drawn by: M.C. Date: 3-15-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

MAG 4 - 1956

Disk is located on North end of Bridge on the East Side Wing Wall.



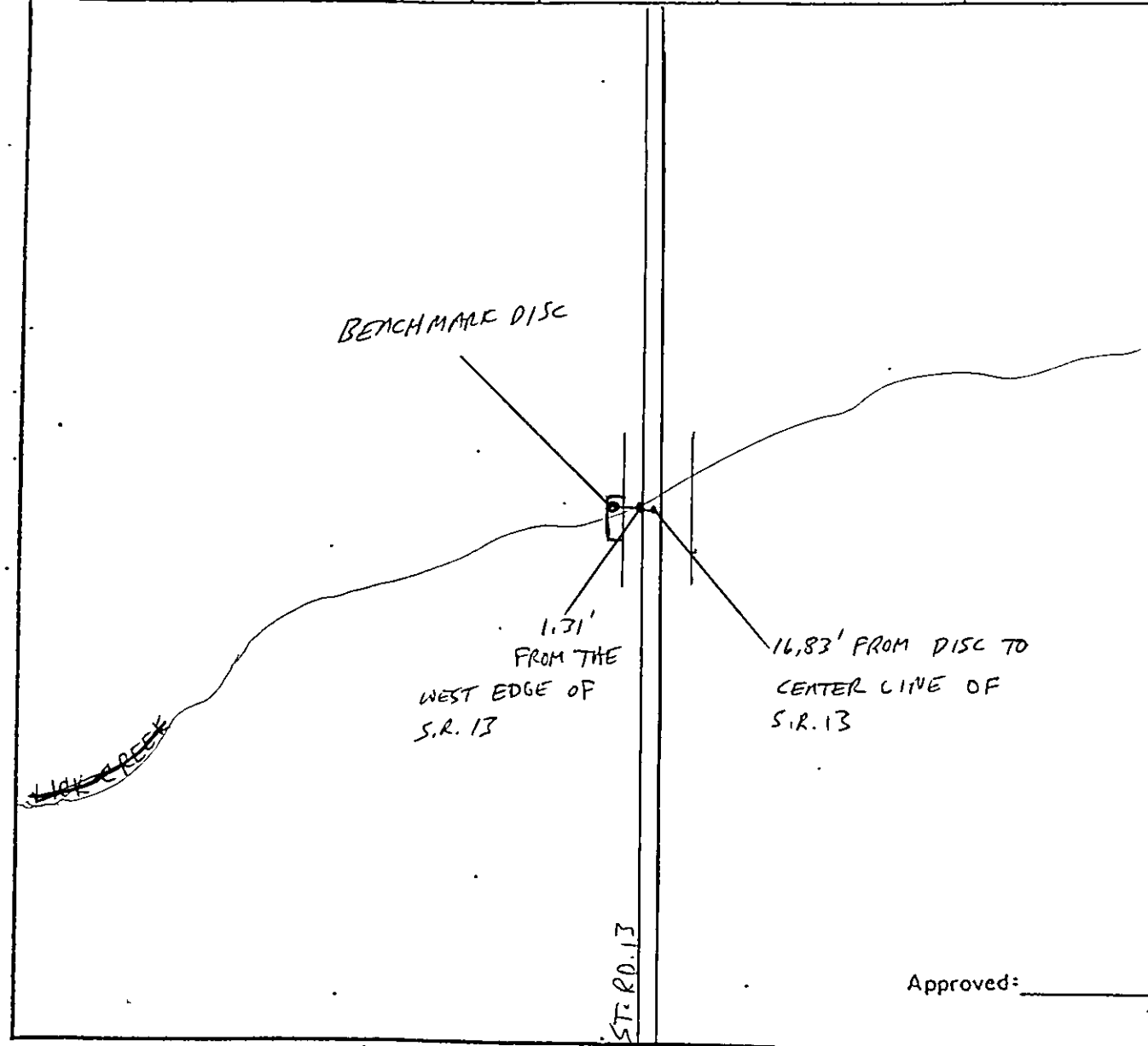
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
4	17	6			852.97	X=	Y=		



NORTH

Tied by: MC/RW Date: 12/10/2001

Drawn by: RW Date: 12/12/2001

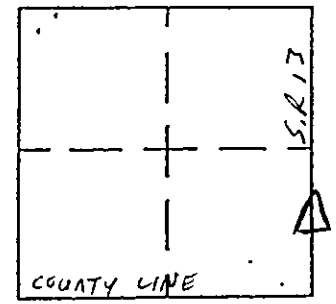
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN NORTH END OF WEST CONCRETE HEAD WALL OF A 6-FOOT METAL PIPE CULVERT

BENCHMARK DESIGNATION

K-236



MARKER LOCATION

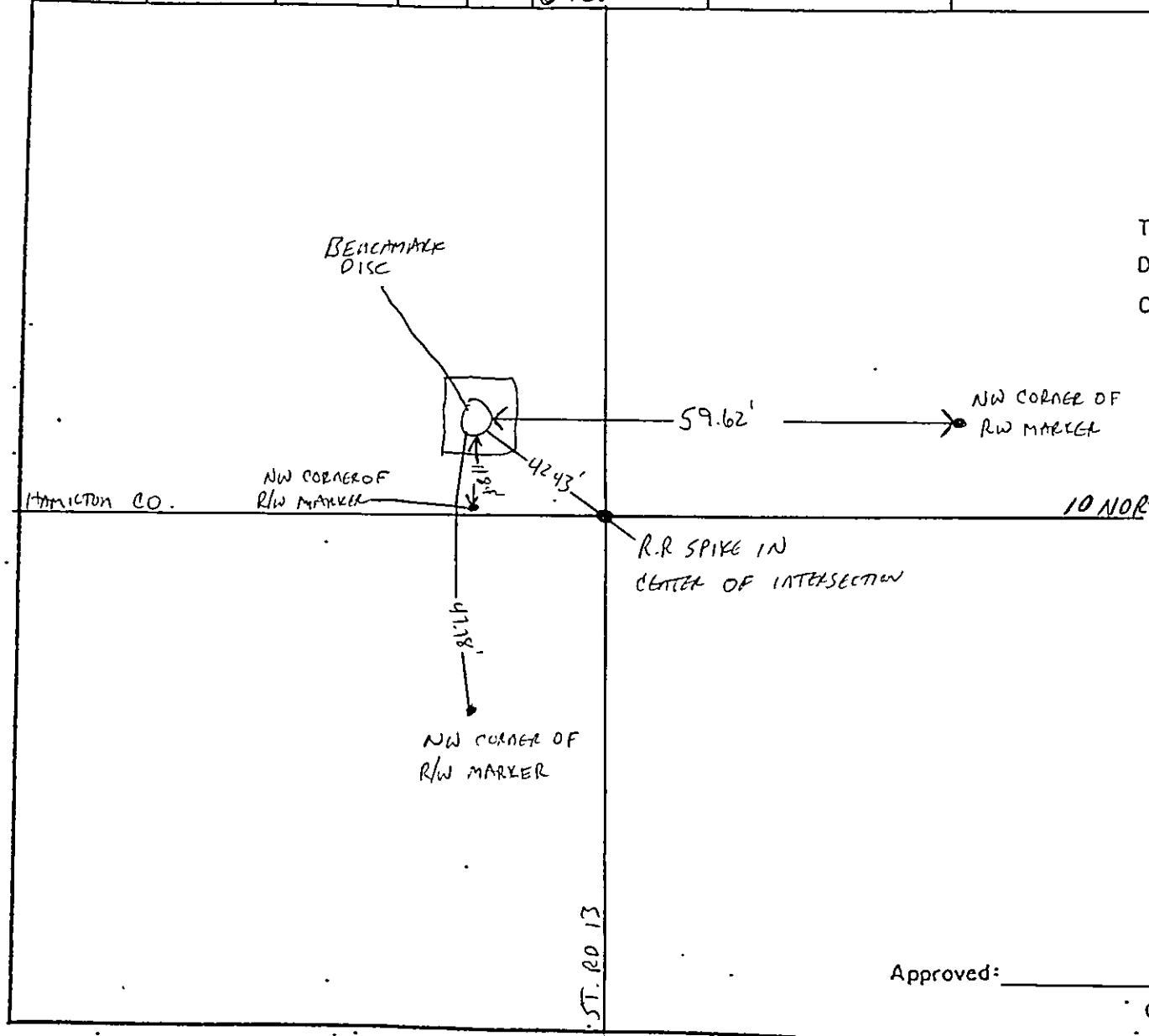
Approved: _____ Date: _____

COUNTY SURVEYOR

HAMILTON COUNTY

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
					843.22	X=	Y=		



Tied by: MC/RW Date: 12/11/2001

Drawn by: RW Date: 12/14/2001

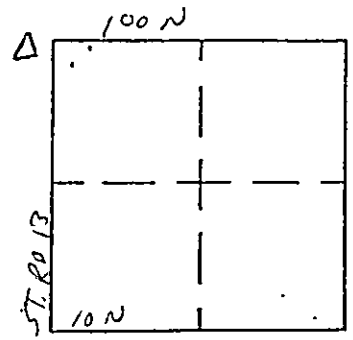
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

H-194



MARKER LOCATION

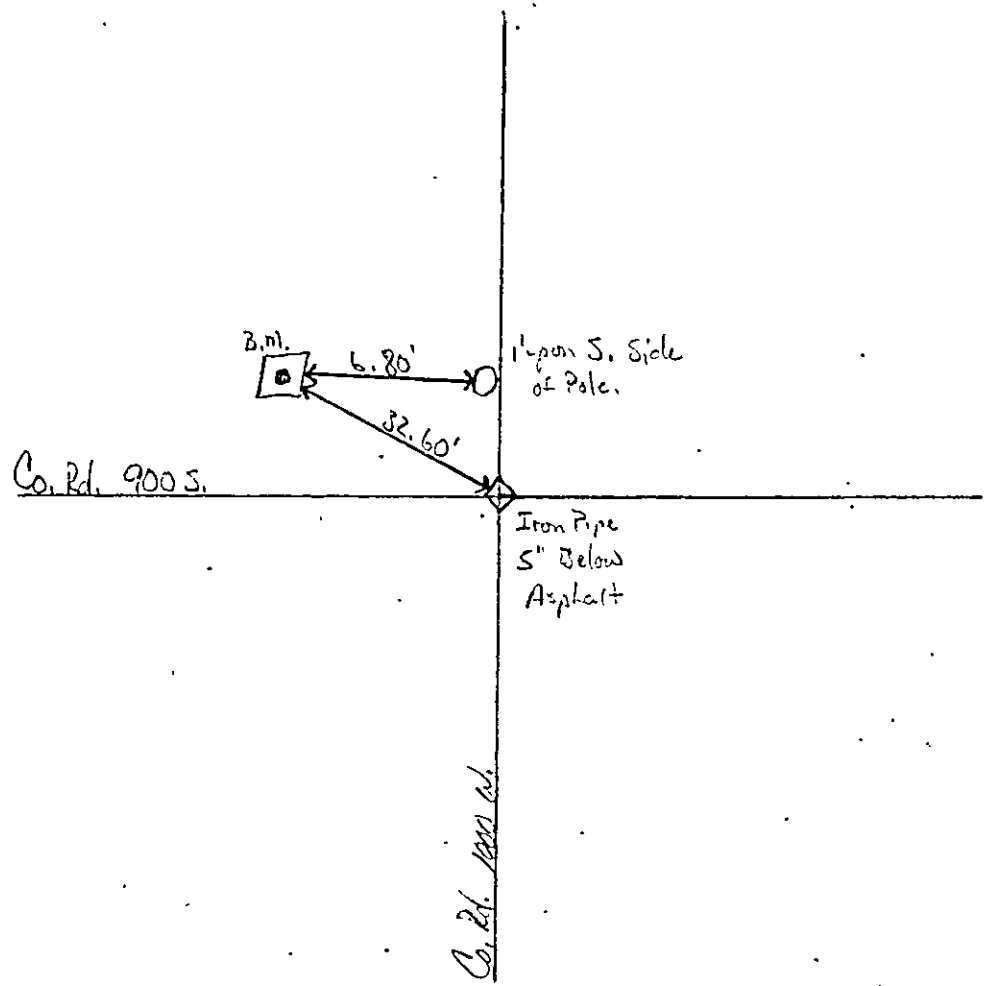
Approved: _____ Date: _____

COUNTY SURVEYOR

HAMILTON COUNTY

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		



NORTH

Tied by: M.C. + R.W. Date: 2-14-02

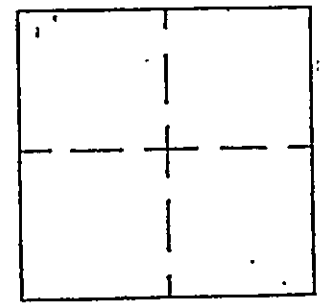
Drawn by: M.C. Date: 2-15-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

L-236

Disk is located on N.W. of Intersection. Projecting 4" High



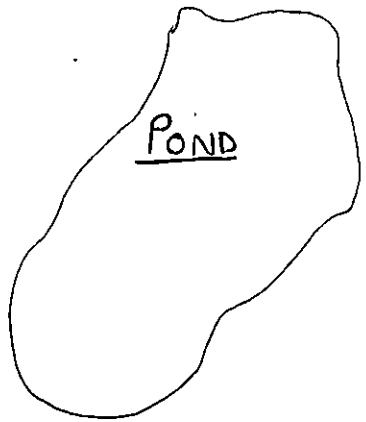
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
19.	18	8				X=	Y=		



LEVEL WITH ROAD SURFACE, ON WEST SIDE OF P.P.

77.31'

US. 36

225.13'

1' UP ON NORTH SIDE OF POLE

BENCHMARK DISC

NORTH

Tied by: RW/MC Date: 2/22/02

Drawn by: RW Date: 3/15/02

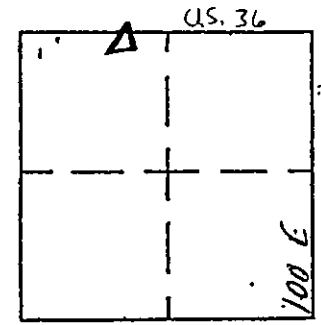
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN EAST SIDE OF CONCRETE HEADWALL ON THE SOUTH SIDE OF HIGHWAY

BENCHMARK DESIGNATION

MAG G? (HAS BEEN SCRATCHED AND CANNOT TELL)



MARKER LOCATION

25 EAST

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
19.	18	8				X=	Y=		

NORTH

Tied by: RW/MC Date: 2/22/02

Drawn by: RW Date: 3/15/02

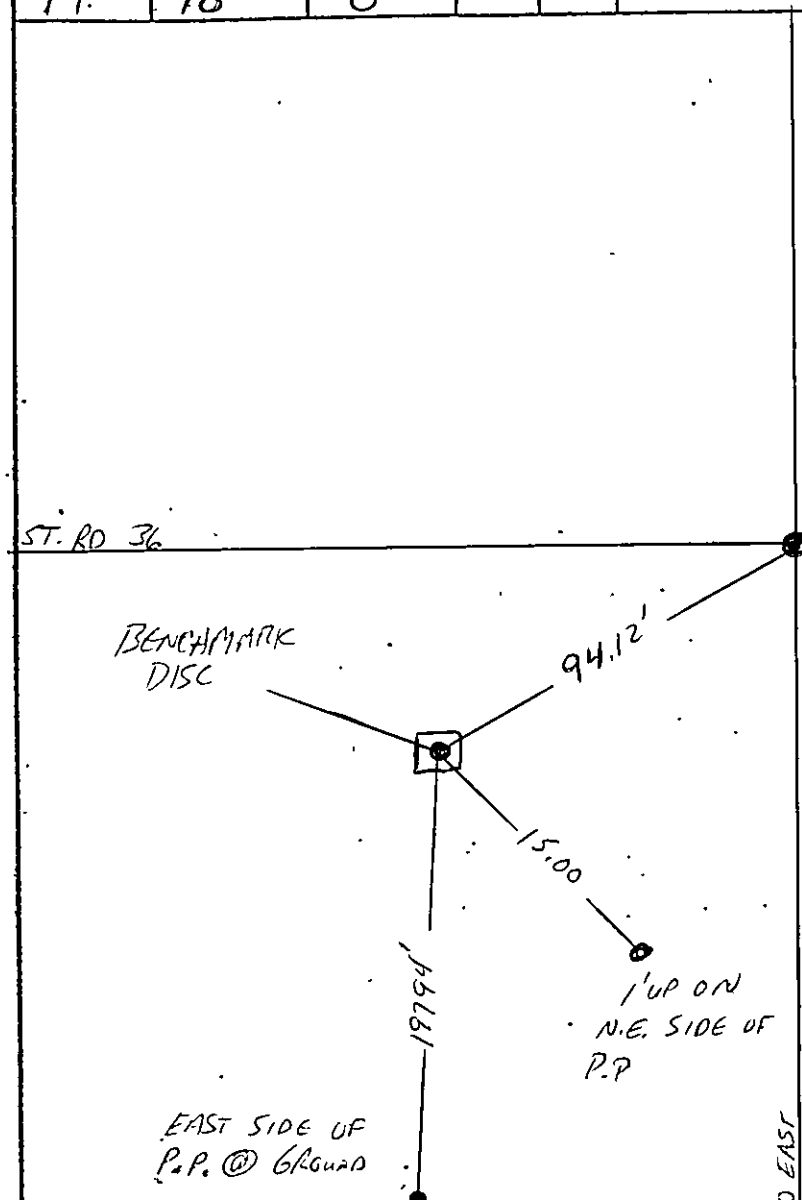
Checked by: _____ Date: _____

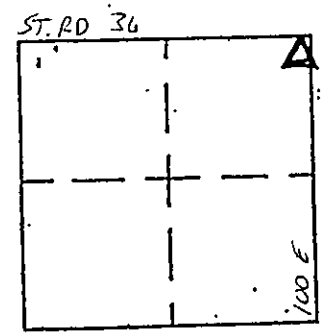
DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST, 1' ABOVE GROUND

BENCHMARK DESIGNATION

MAD G-9





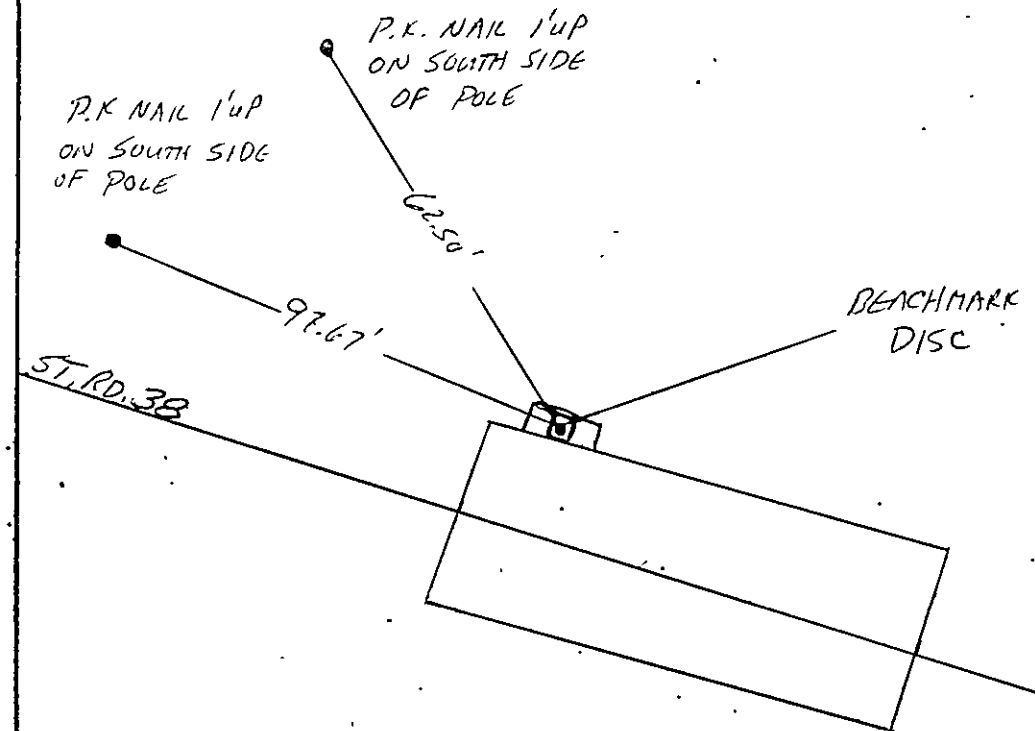
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
27	18	8				X=	Y=		



NORTH

Tied by: RW/MC Date: 2/22/02

Drawn by: RW Date: 3/15/02

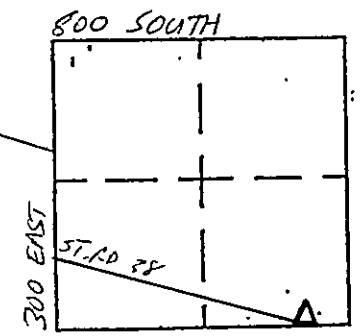
Checked by: Date:

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF NORTHWEST CONCRETE WINGWALL

BENCHMARK DESIGNATION

MAD 618



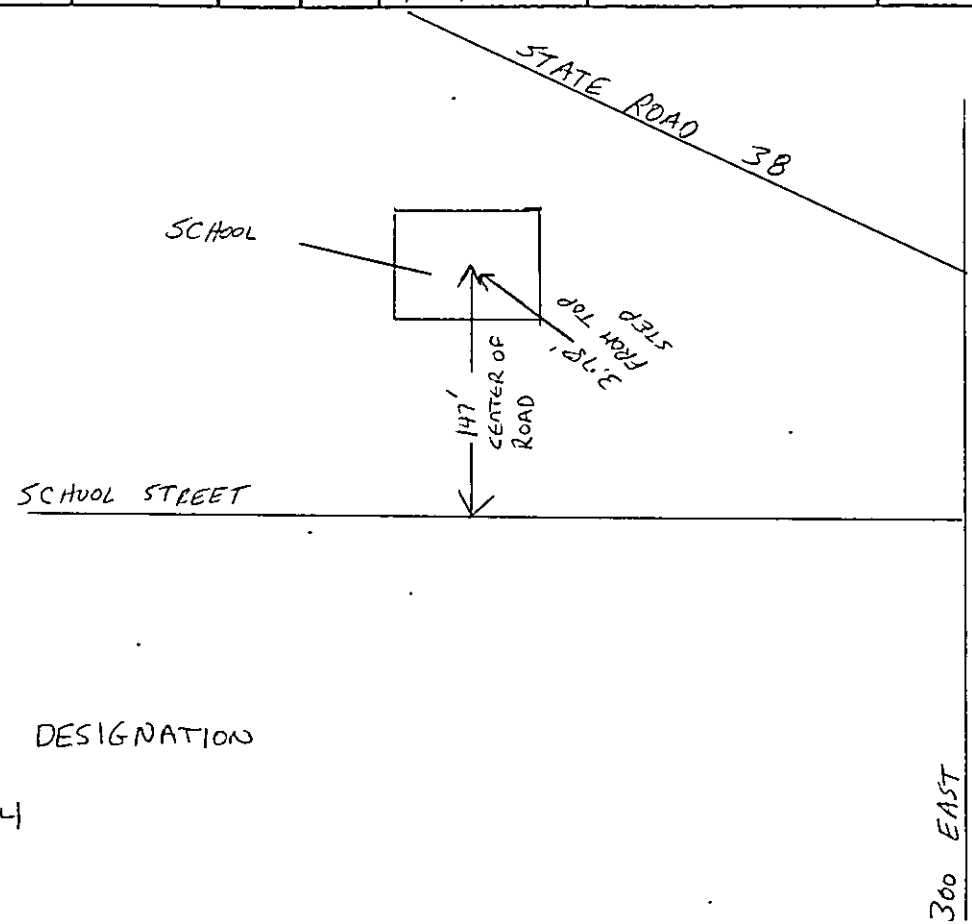
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
28	18	8			963.43	X=	Y=		



NORTH

Tied by: MC & RW Date: 12/4/2001

Drawn by: RW Date: 12/6/2001

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

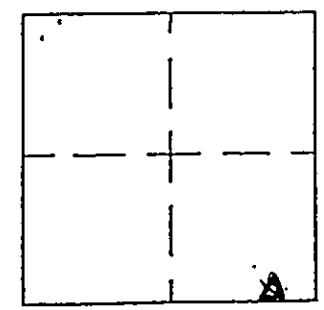
BENCHMARK DISC IN SOUTHWARD FACING WALL OF SCHOOL

BENCHMARK DESIGNATION

H-44

BENCHMARK DESIGNATION

H-44



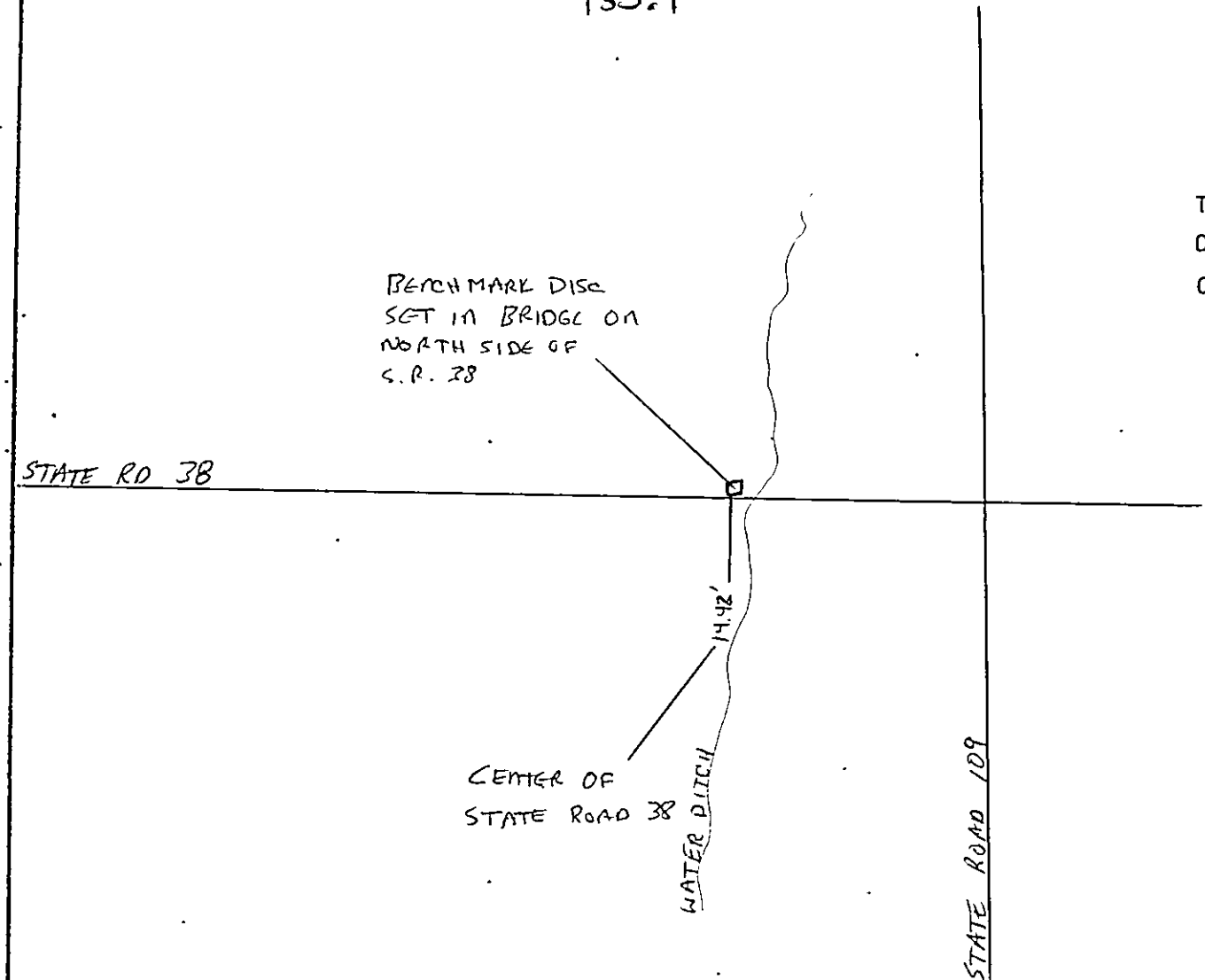
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
29	18	8			~~930.69~~ 933.1	X=	Y=		



Tied by: MC & RW Date: 12/4/01

Drawn by: RW Date: 12/10/01

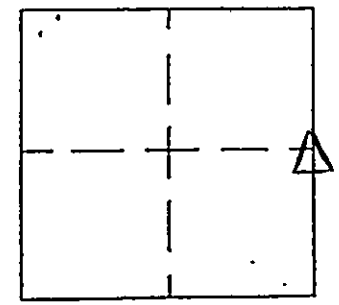
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCH MARK DISC SET IN CONCRETE BRIDGE ON NORTH SIDE OF S.R. 38

BENCHMARK DESIGNATION

K240 (NAD 622)



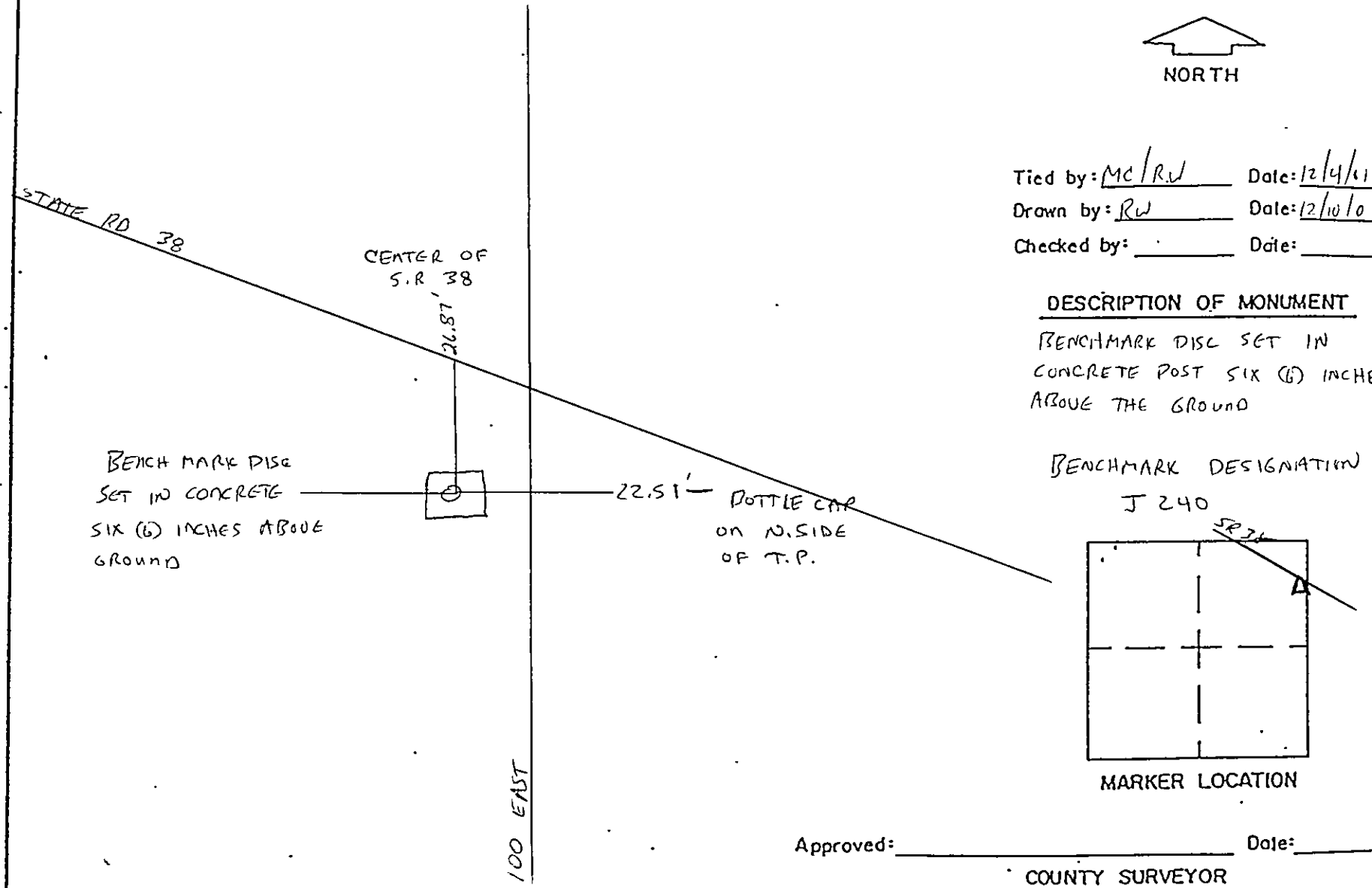
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
30	18	8			939.43	X=	Y=		



Tied by: MC/RW Date: 12/4/01

Drawn by: RW Date: 12/10/01

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

J 240

MARKER LOCATION

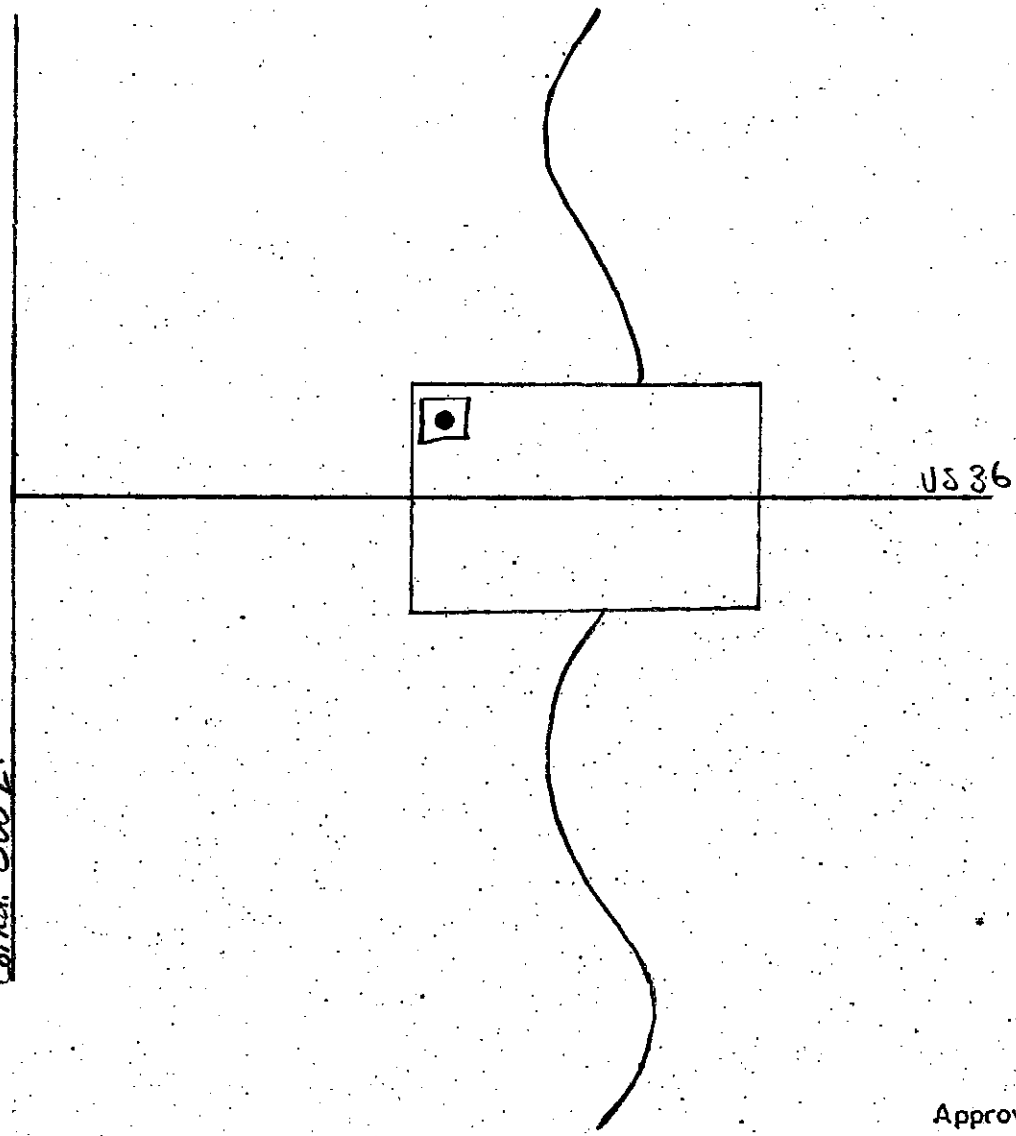
Approved: _____ Date: _____

COUNTY SURVEYOR

HENRY COUNTY

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		



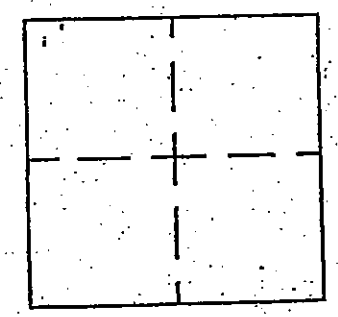
NORTH

Tied by: M.C. + R.W. Date: 2-19-02

Drawn by: M.C. Date: 3-19-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT



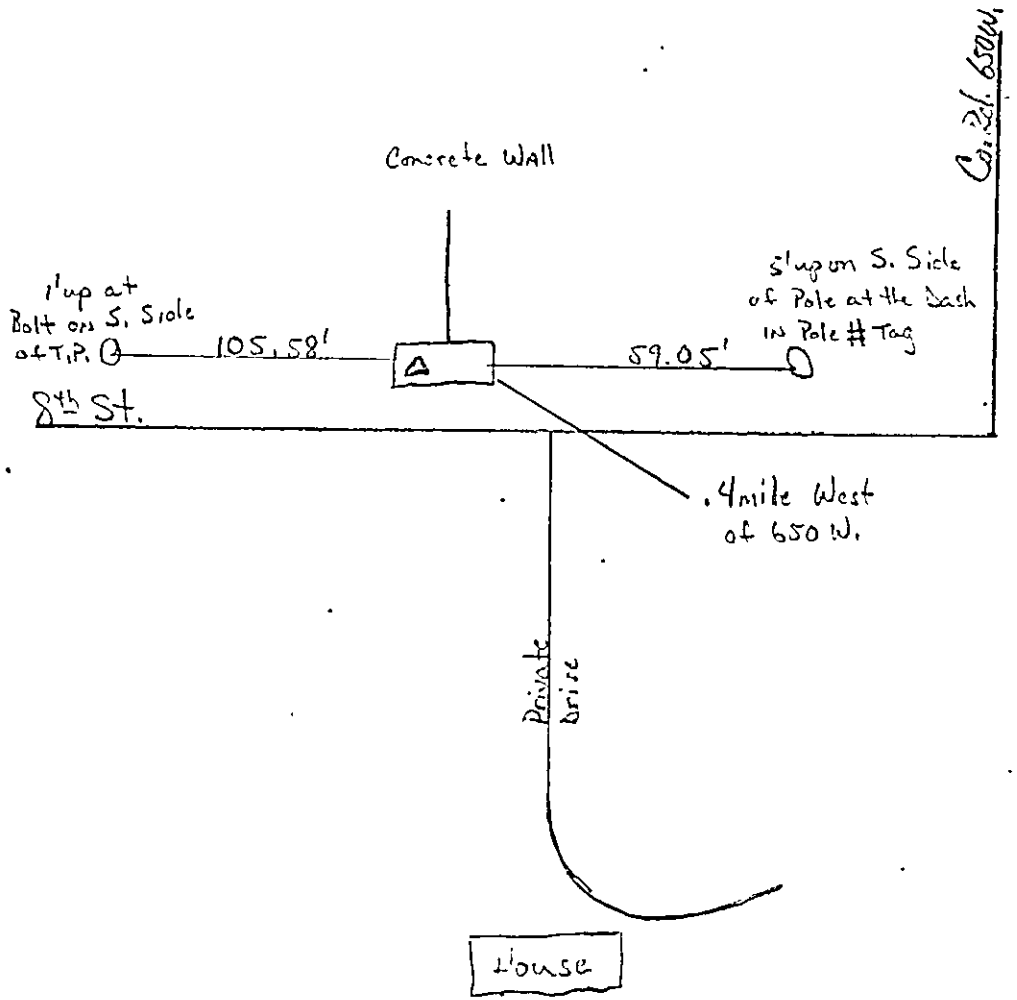
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
1	19	6				X=	Y=		



NORTH

Tied by: M.C. & R.W. Date: 2-12-02

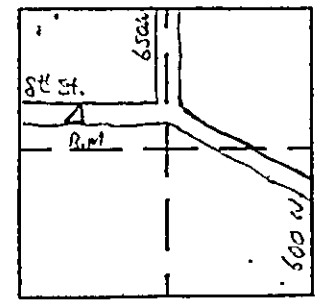
Drawn by: M.C. Date: 3-13-02

Checked by: Date:

DESCRIPTION OF MONUMENT

Painted Chiseled Triangle

Located atop of Concrete Wall on N. Side of Road



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

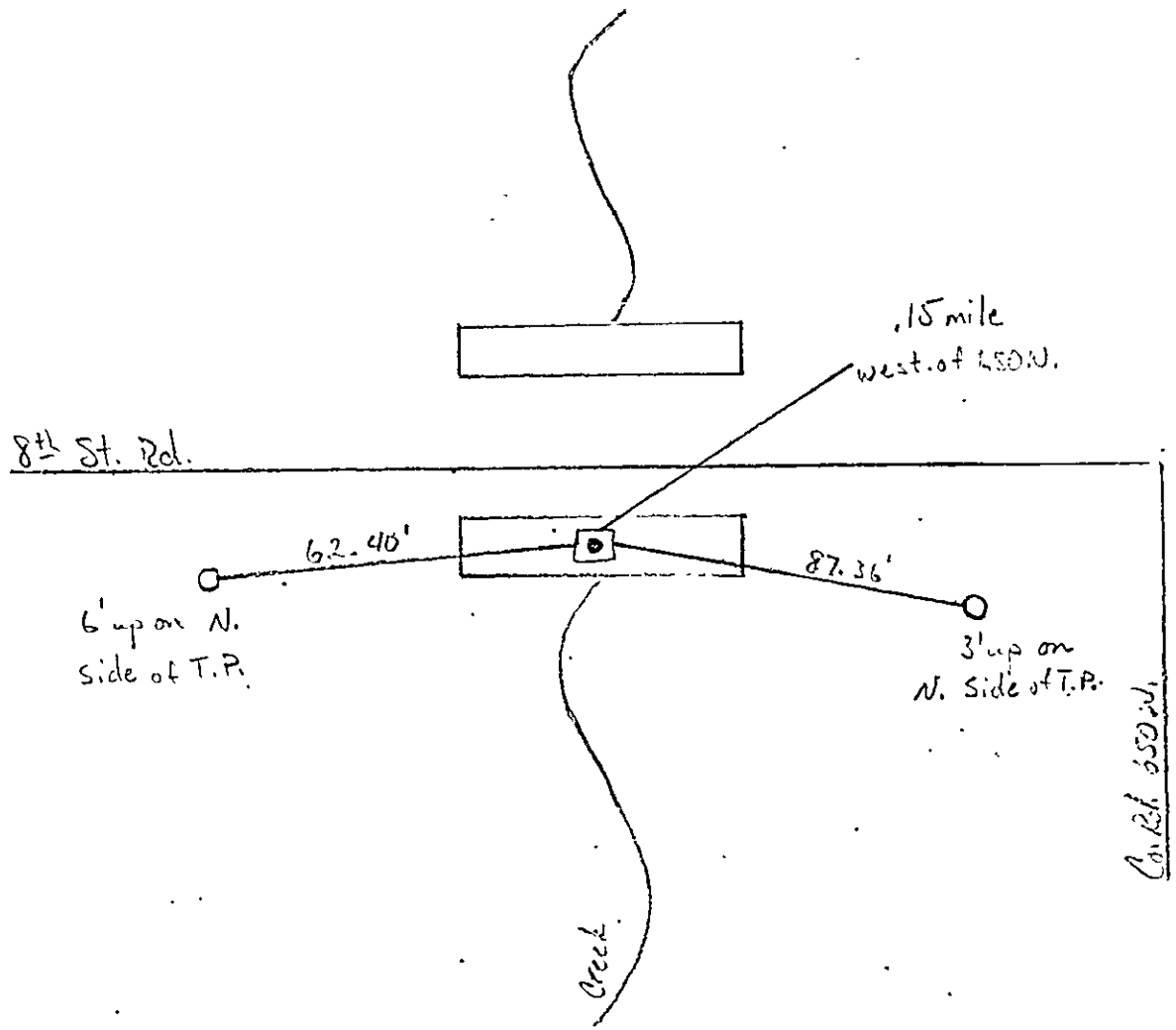
SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
1.	19	6			856.42	X=	Y=		

NORTH

Tied by: M.C. + R.W. Date: 2-12-02

Drawn by: M.C. Date: 3-13-02

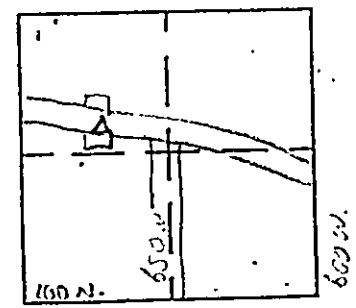
Checked by: _____ Date: _____



DESCRIPTION OF MONUMENT

MAG 13 - 1954

Disk is Set on the South Side of Road, on top of South Bridge wall



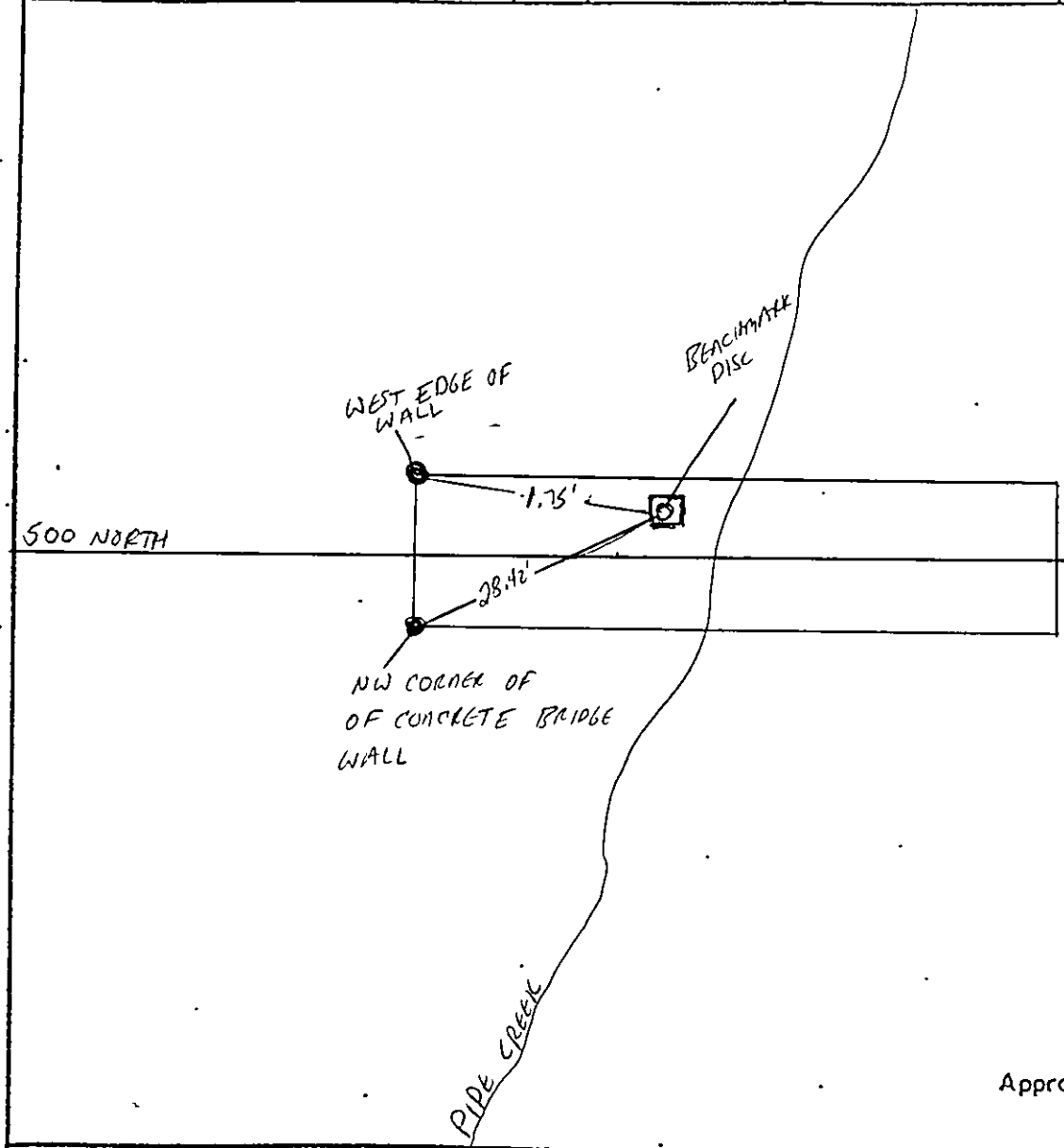
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
14	20	6			809.67	X=	Y=		



Tied by: MC/RW Date: 12/19/01

Drawn by: RW Date: 1/9/02

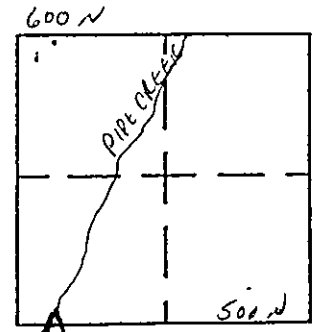
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET
BRIDGE OVER PIPE CREEK

BENCHMARK DESIGNATION

C194



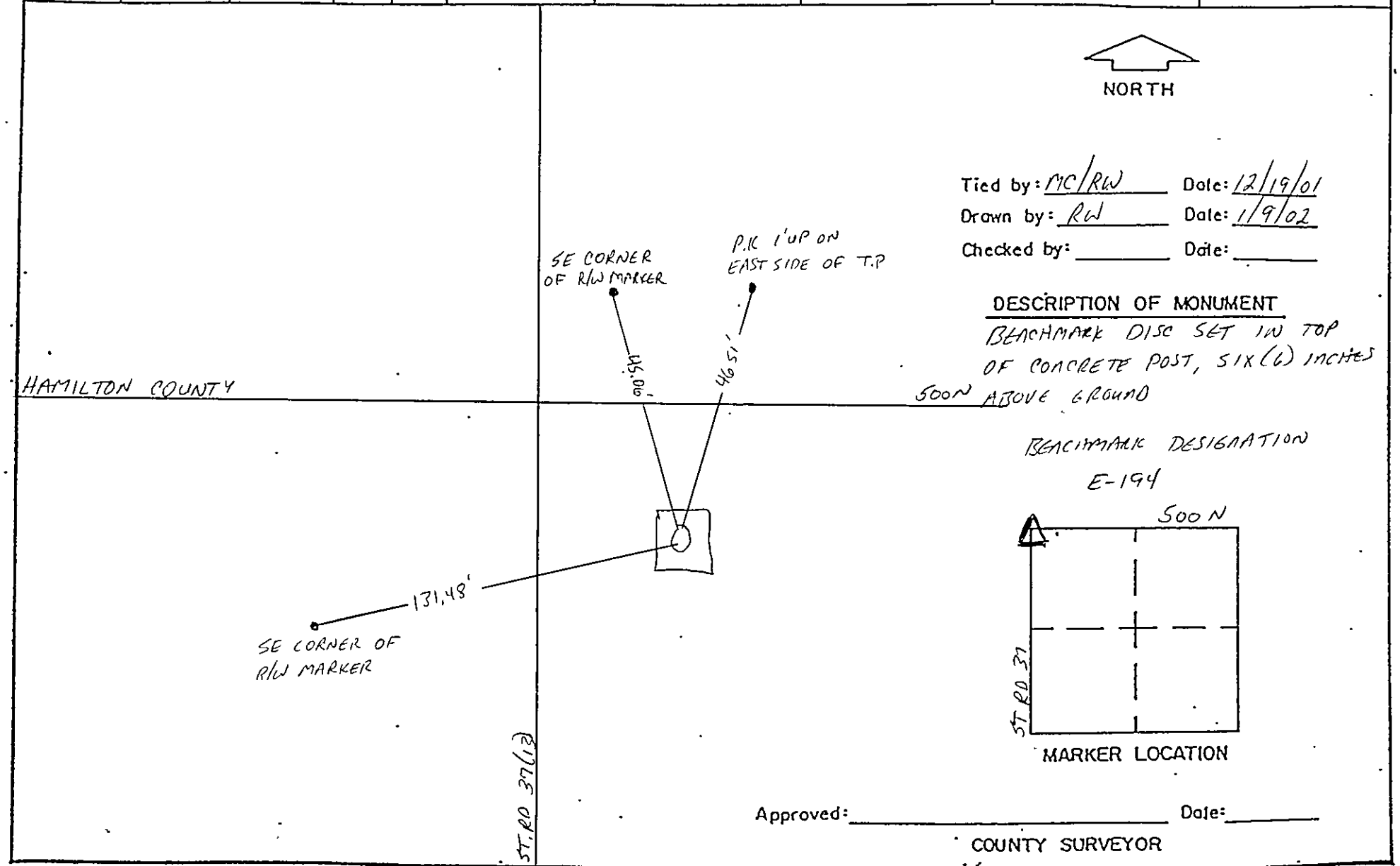
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
21	20	6			832.85	X=	Y=		



Tied by: MC/RW Date: 12/19/01

Drawn by: RW Date: 1/9/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE POST, SIX (6) INCHES ABOVE GROUND

BENCHMARK DESIGNATION

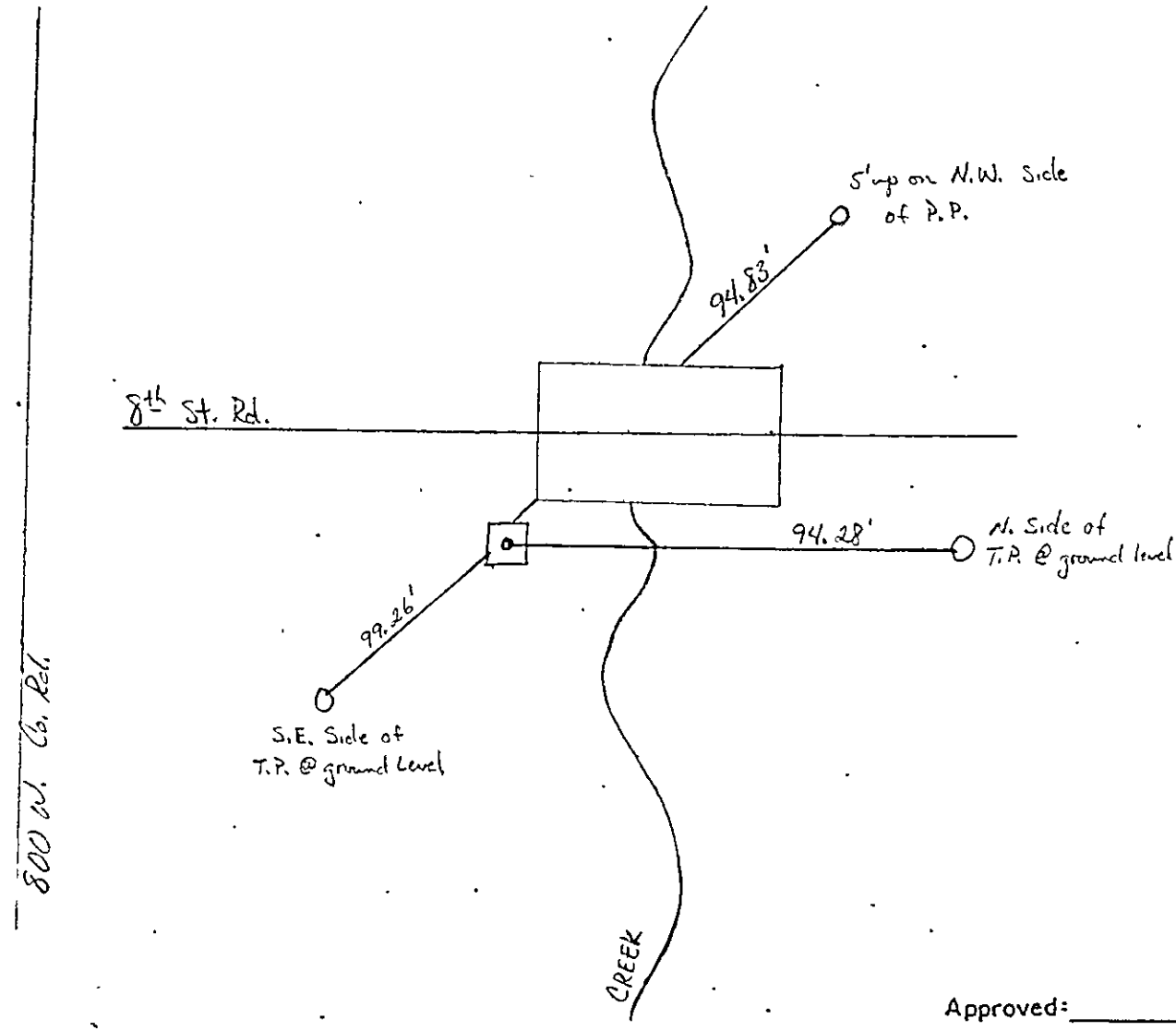
E-194

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
2	19	6				X=	Y=		



Tied by: M.C. + R.W. Date: 2-11-02

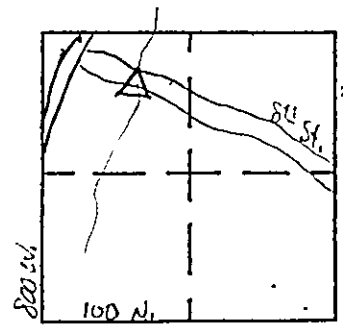
Drawn by: M.C. Date: 3-13-02

Checked by: Date:

DESCRIPTION OF MONUMENT

NAD 12 - 1964

Disk is Set in W. Wingwall S. Side of Road.



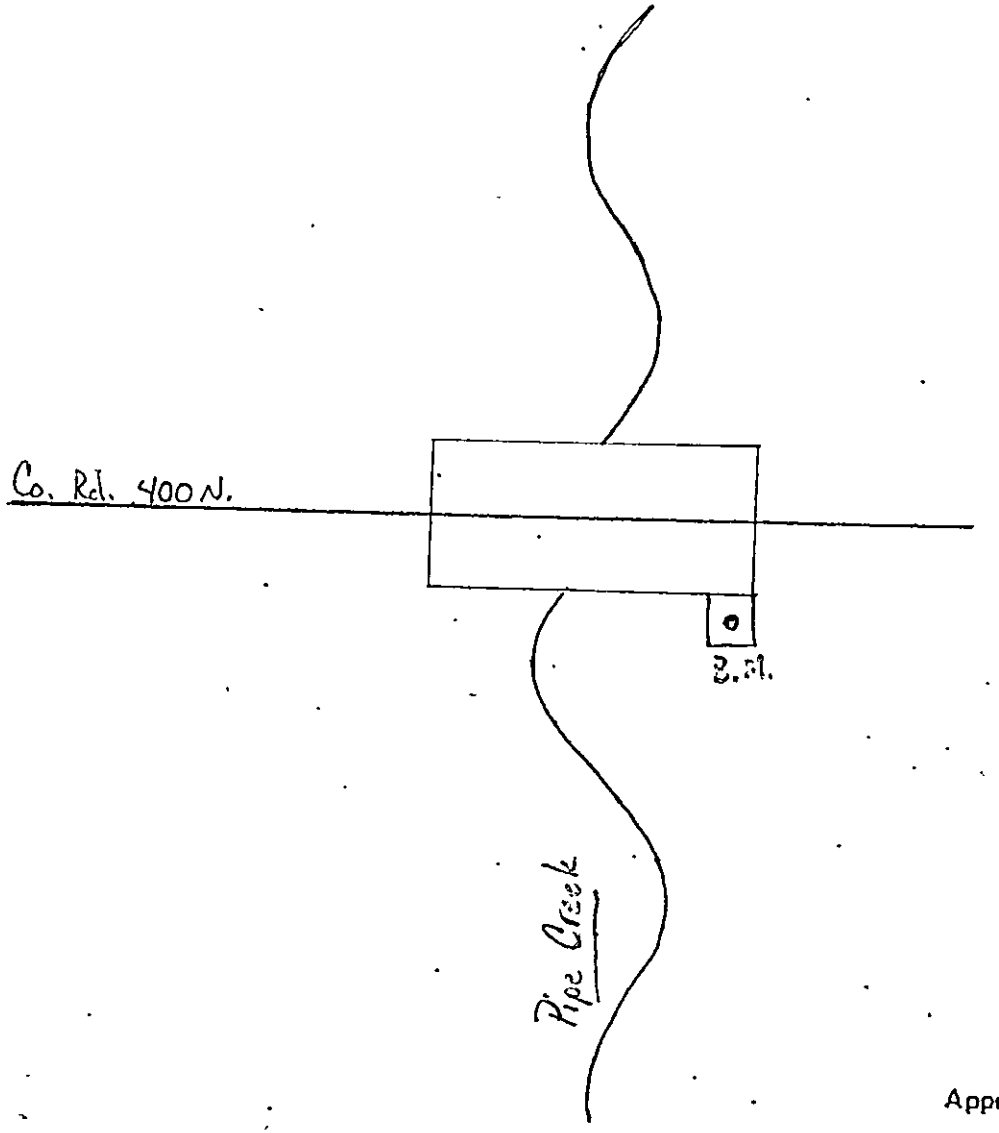
MARKER LOCATION

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
27	20	6				X=	Y=		



NORTH

Tied by: M.C. & R.W. Date: 2-11-02

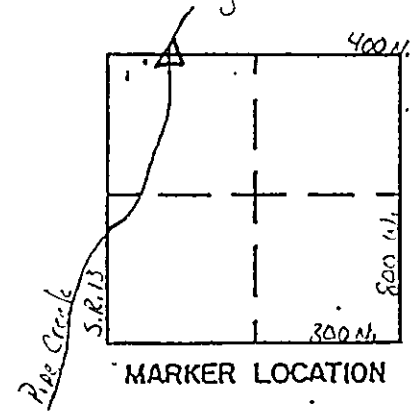
Drawn by: M.C. Date: 3-13-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

MAG 10 - Reset 1972

Disk is Set in Bridge Seat about 4.4' below Surface of Road. S.E. Bridge Seat of Bridge



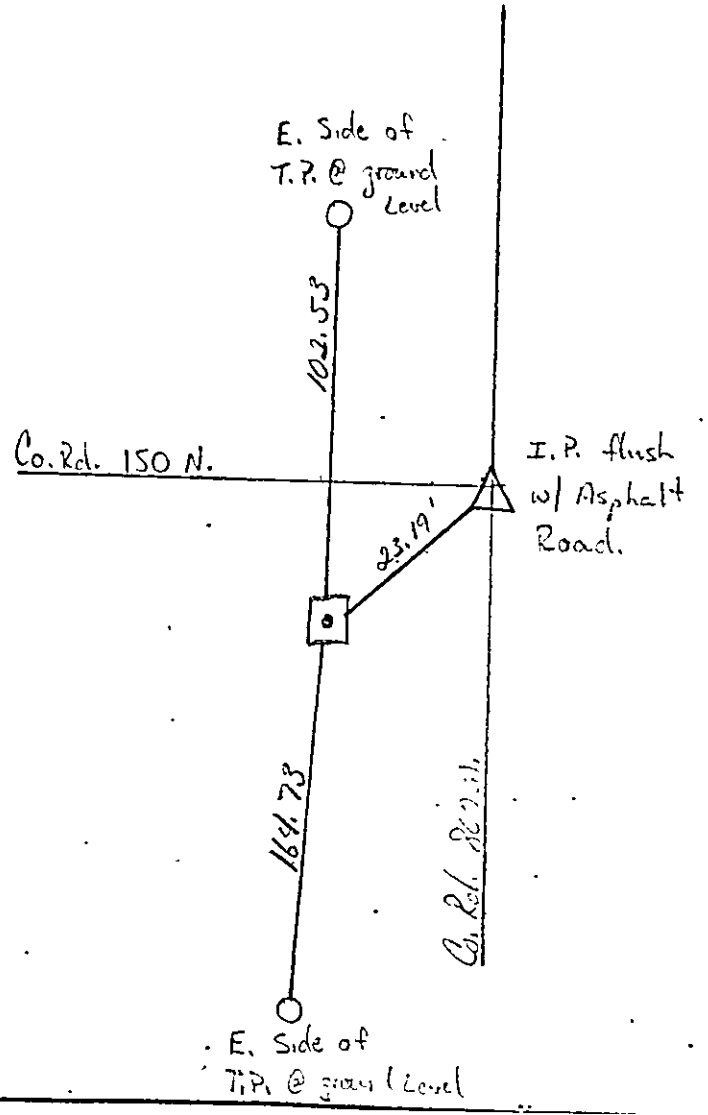
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
3	19	6			834'	X=	Y=		



NORTH

Tied by: M.C. & R.W. Date: 2-11-02

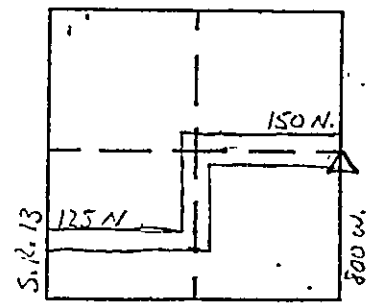
Drawn by: M.C. Date: 3-12-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

29 JWH - 1952

Disk is Set in Concrete Square projecting 4" High.



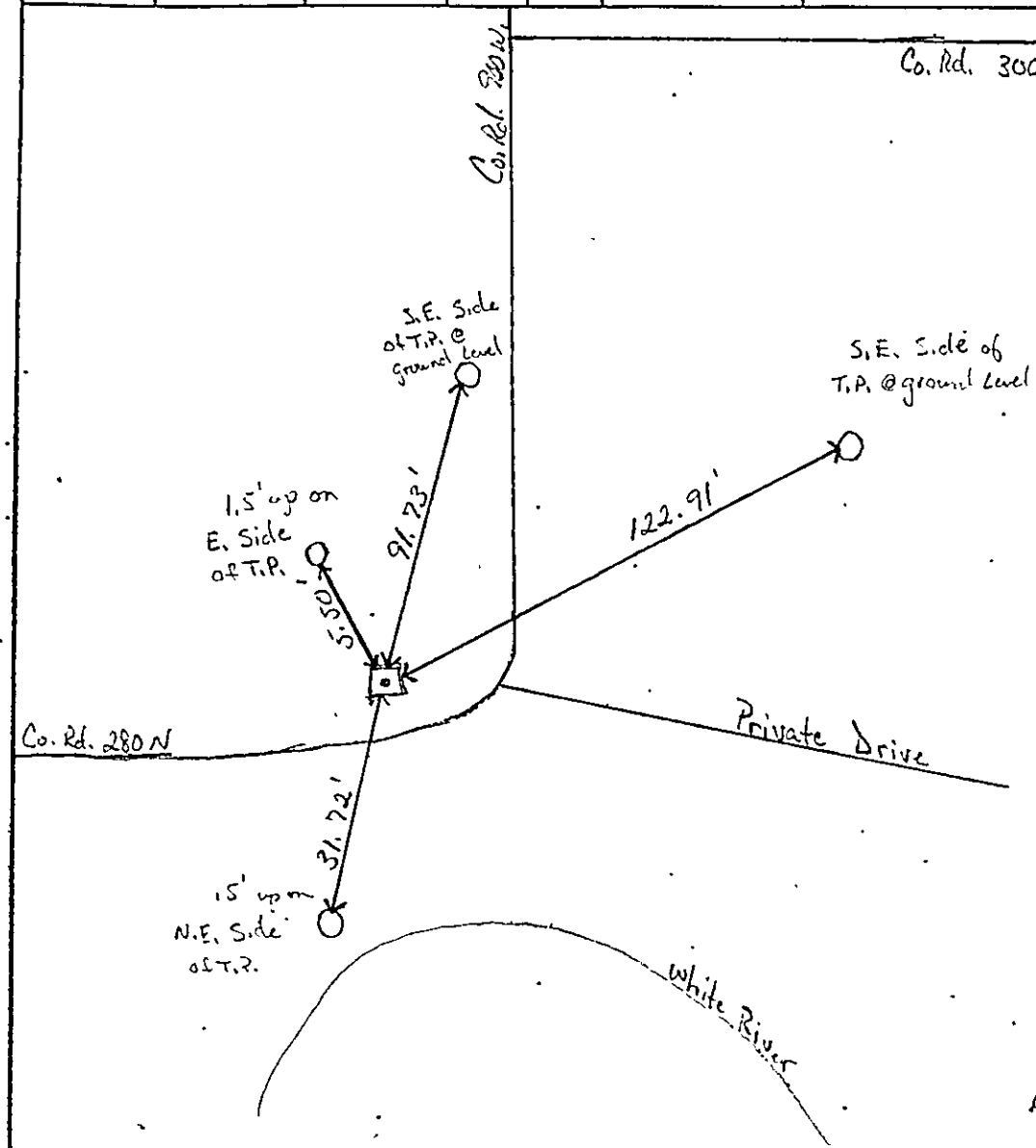
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
33	20	6				X=	Y=		



Tied by: M.C. + R.W. Date: 2-12-02

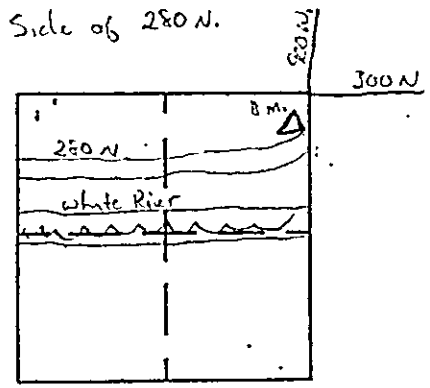
Drawn by: M.C. Date: 2-13-02

Checked by: Date:

DESCRIPTION OF MONUMENT

NAD 8- 1964

Disk is Set in Concrete Headwall of Culvert on N. Side of 280 N.



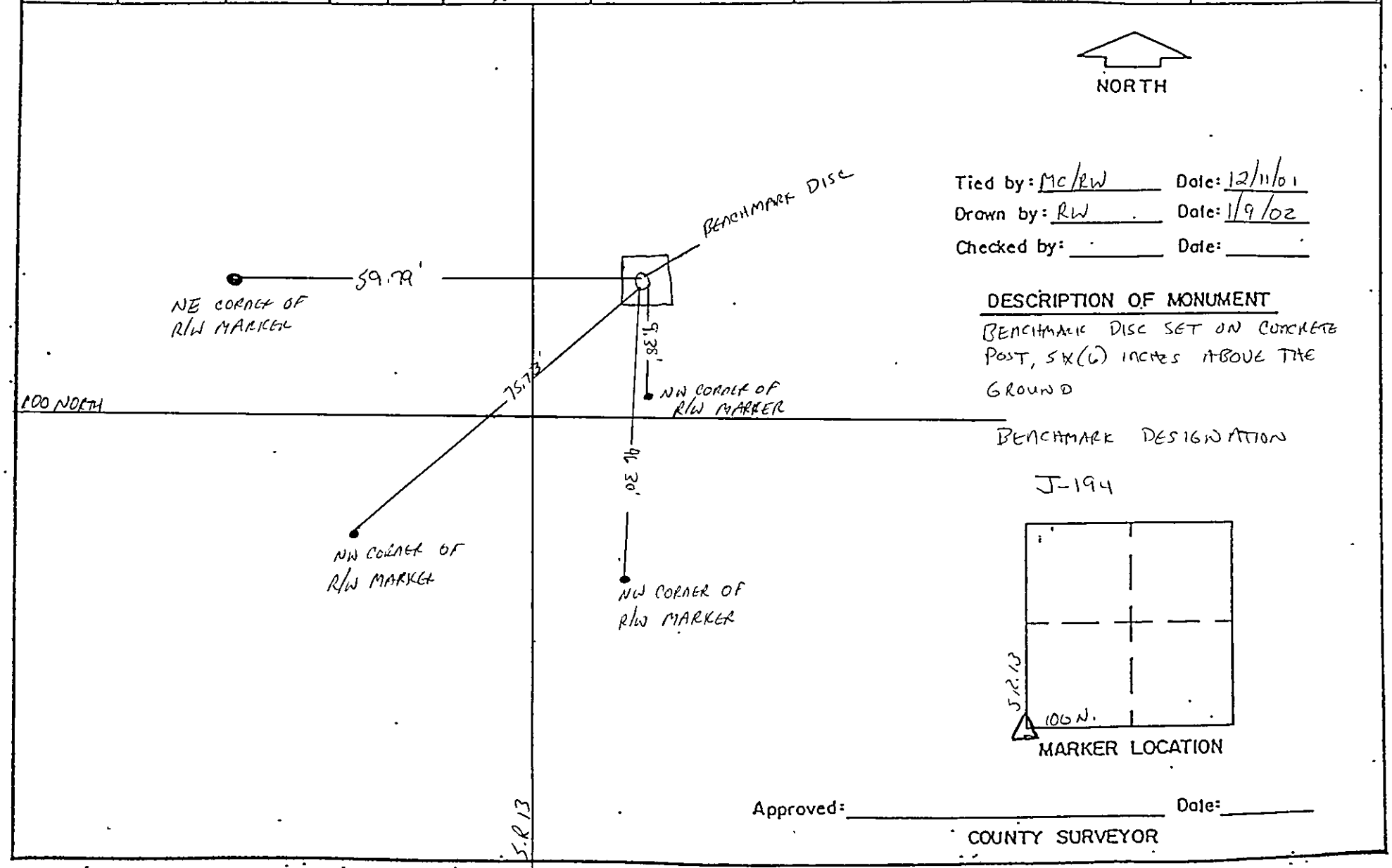
MARKER LOCATION

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
4	19	6			829.11	X=	Y=		



Tied by: MC/RW Date: 12/11/01

Drawn by: RW Date: 1/9/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET ON CONCRETE POST, SIX(6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

J-194

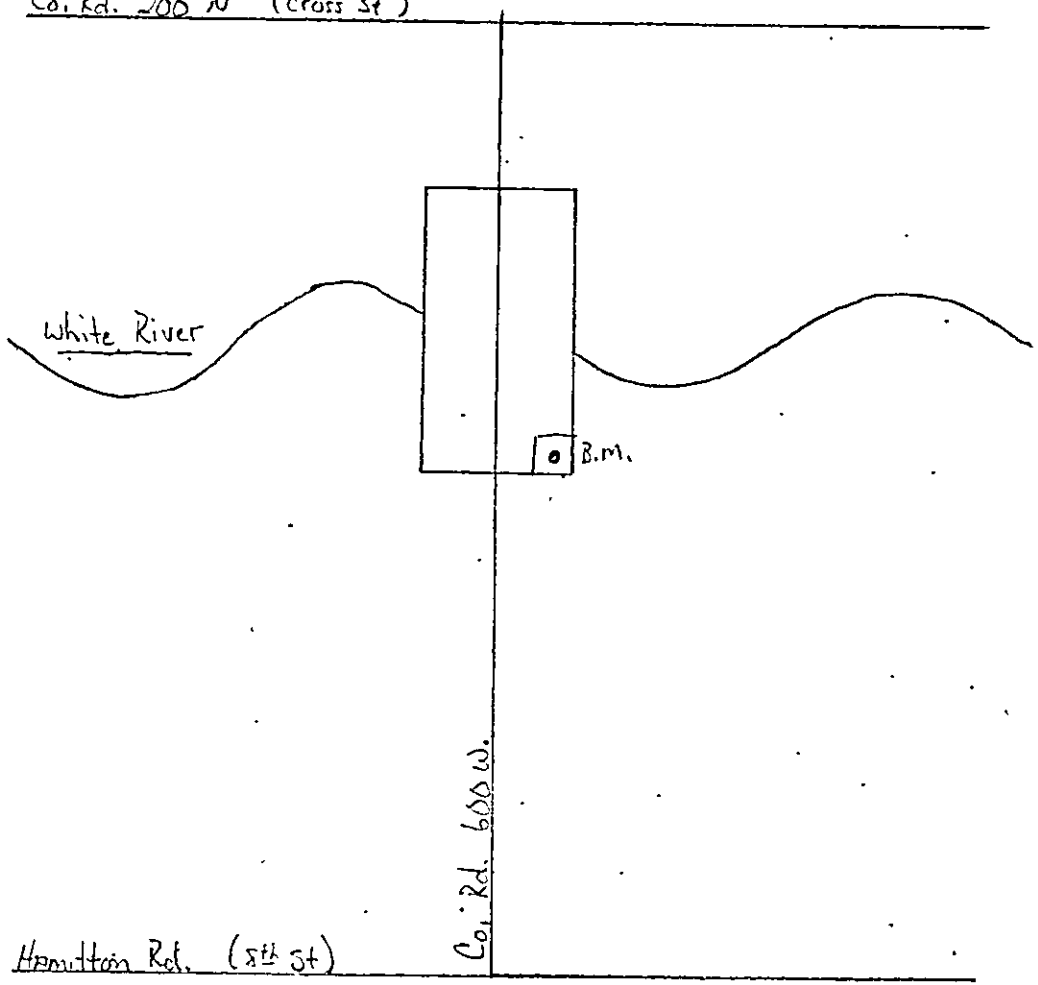
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
6	19	7				X=	Y=		



NORTH

Tied by: M.C. : R.W. Date: 2-12-02

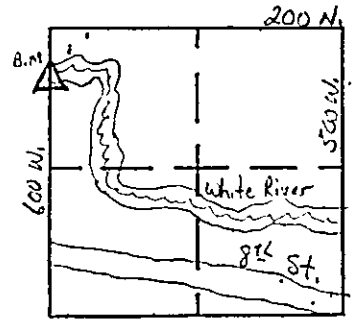
Drawn by: M.C. Date: 3-13-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

NAD 28 - 1972

The Benchmark Disk is Set in the South end and on the East Side of Bridge



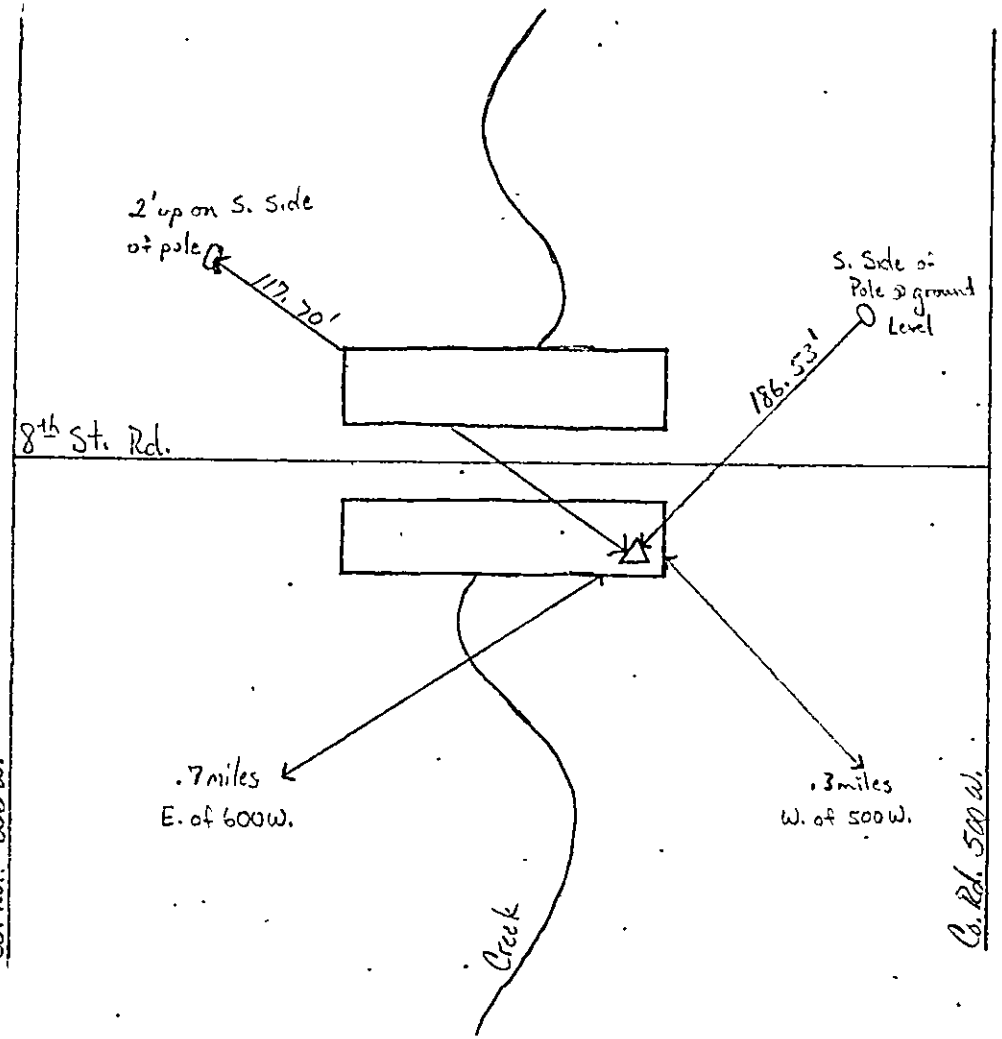
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		
6	19	7							



NORTH

Tied by: M.C. + R.W. Date: 2-12-02

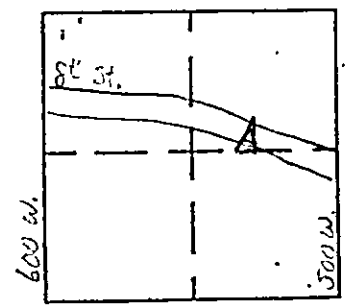
Drawn by: M.C. Date: 3-14-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Painted Chiseled Triangle

Triangle Located on top of South Bridge Wall at the East end of Bridge Wall.



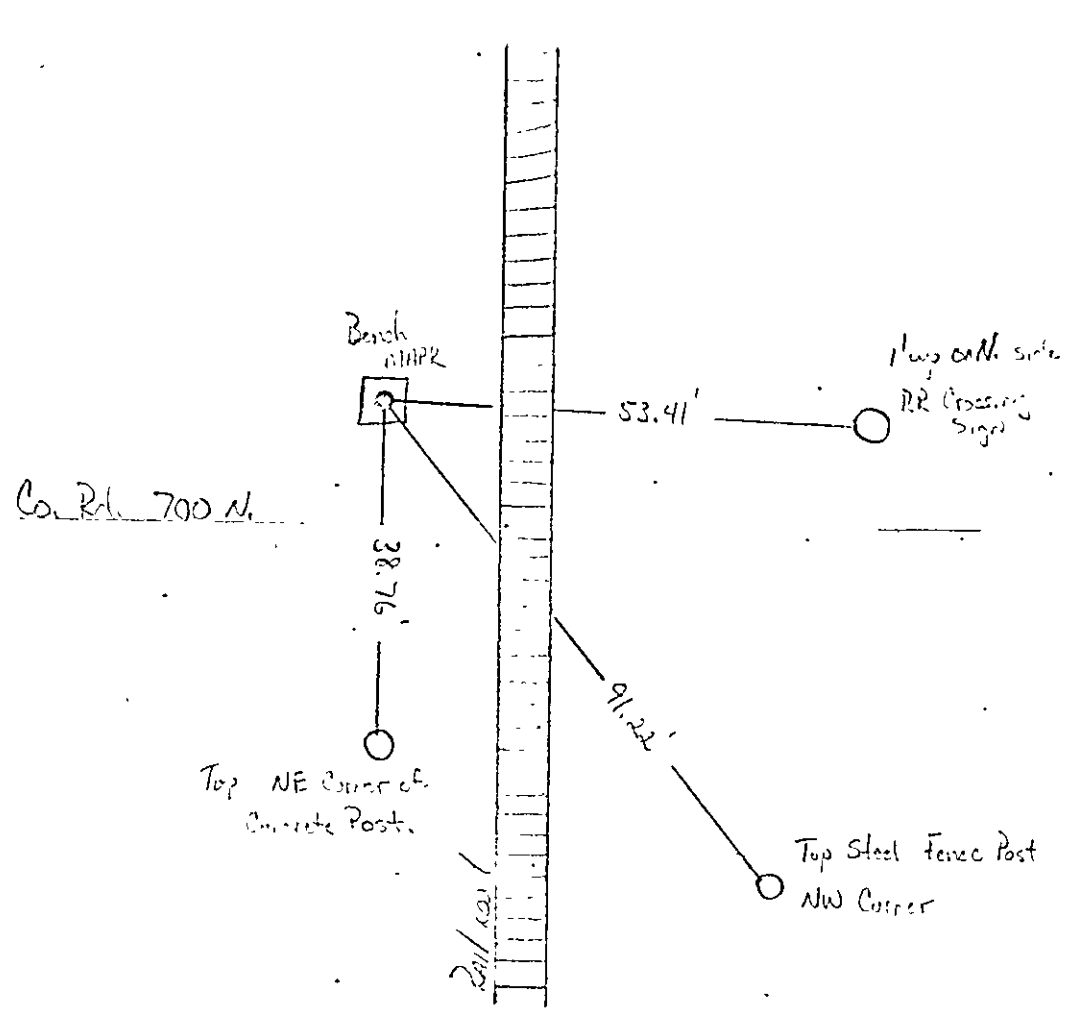
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
1	20	7			884.72'	X=	Y=		



Tied by: M.C. & P.H. Date: 1-14-02

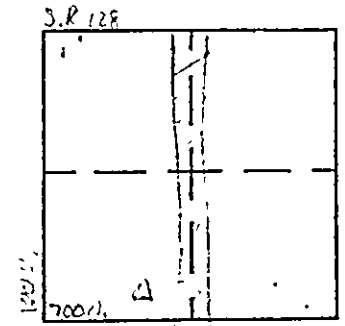
Drawn by: M.C. Date: 1-29-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench Mark - Q 193

Disk Set Top of Concrete Stub.



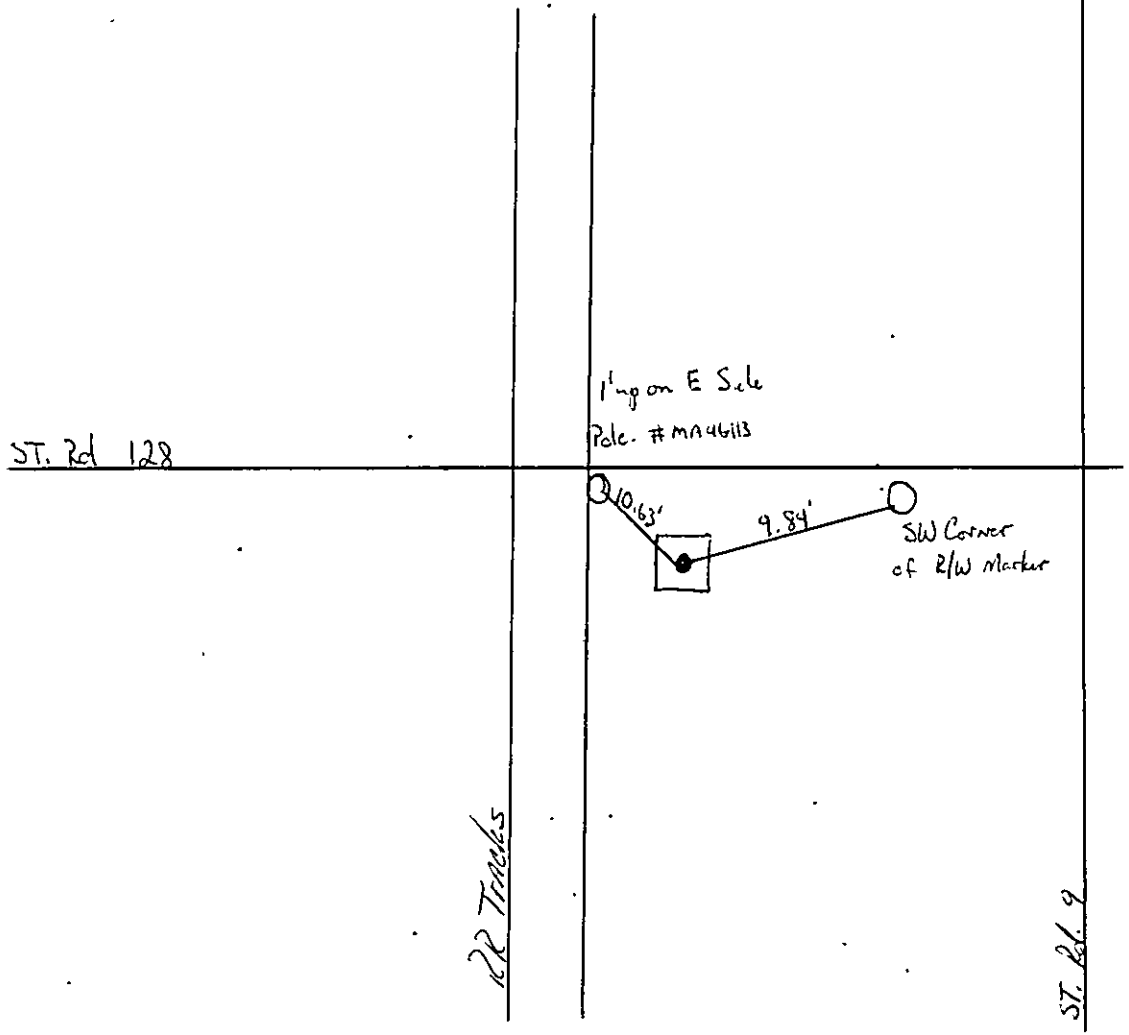
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
1	20	7			883.71	X=	Y=		



Tied by: M.C. - R.W. Date: 1-14-02

Drawn by: M.C. Date: 1-29-02

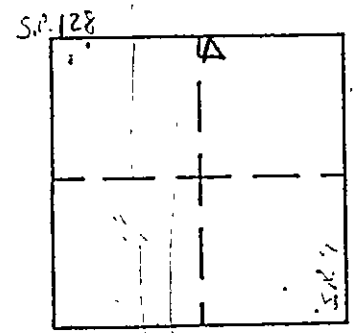
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench Mark - R193

Disk Set in Concrete

Projecting 4"



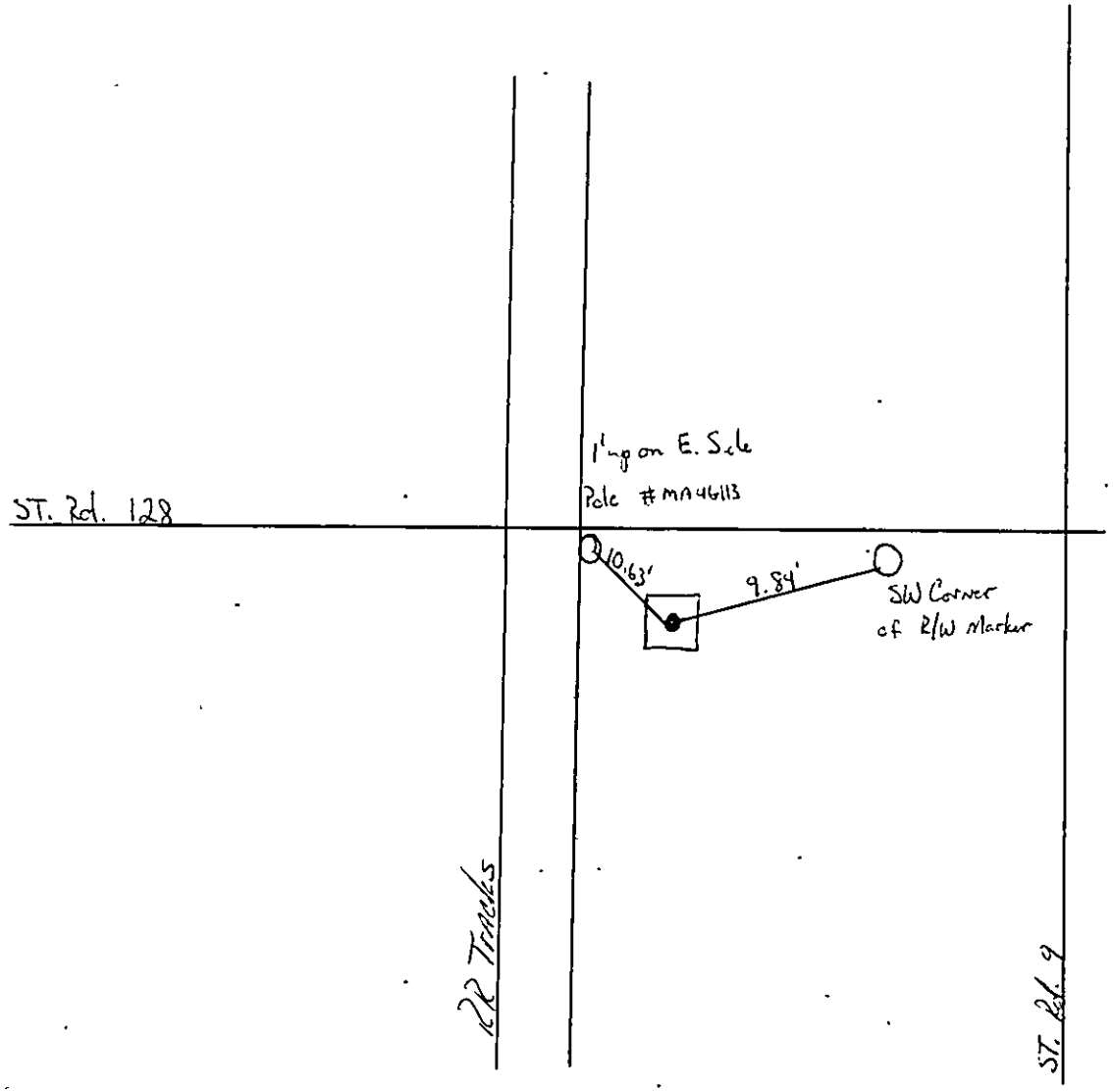
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
1	20	7			883.71	X=	Y=		



Tied by: M.C. - R.W. Date: 1-14-02

Drawn by: M.C. Date: 1-29-02

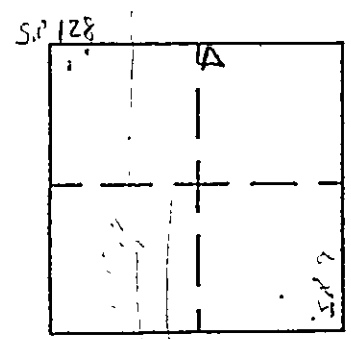
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench Mark - R193

Disk Set in Concrete

Projecting 4"



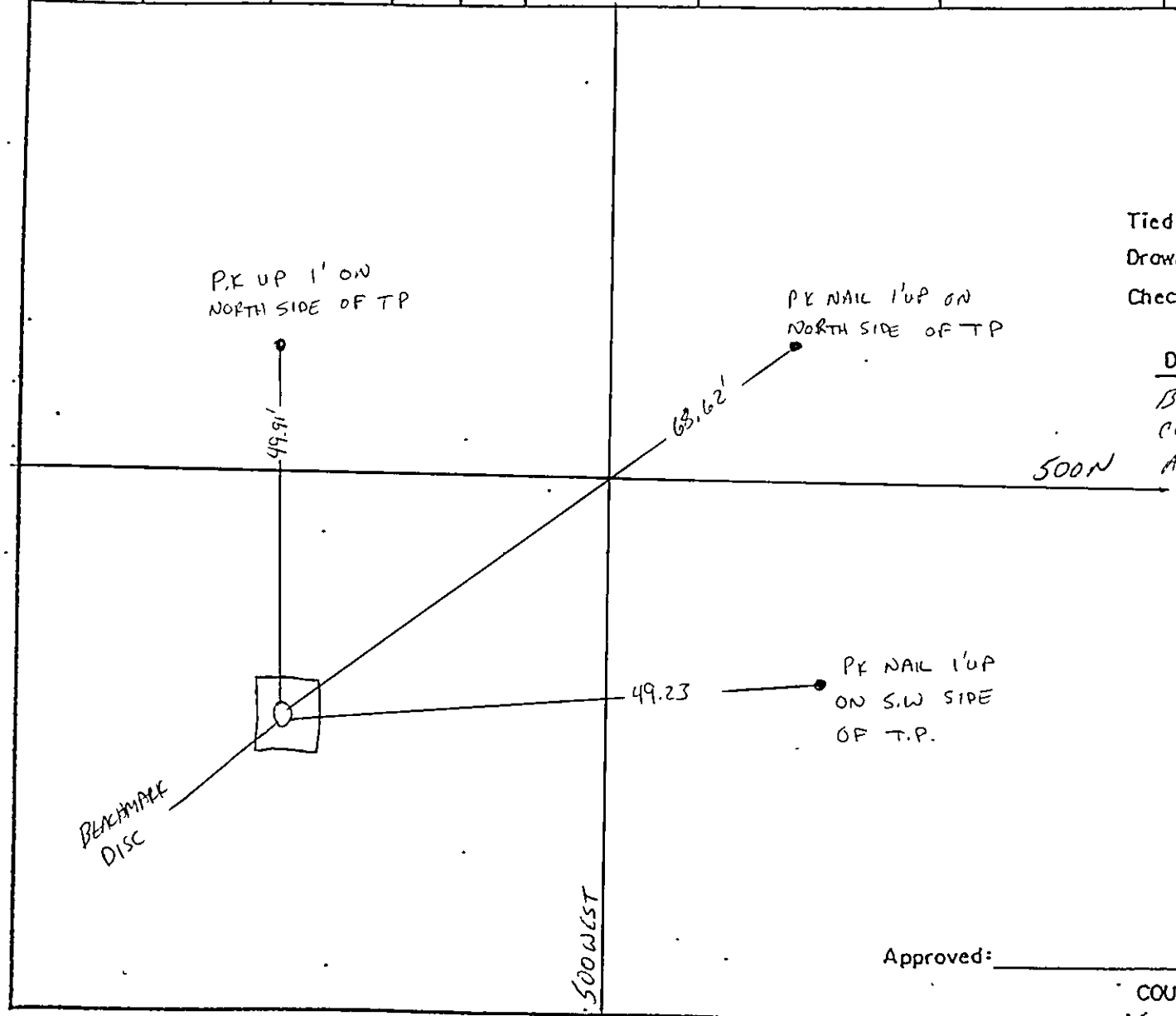
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
19	20	7			869.72	X=	Y=		



NORTH

Tied by: MC/RW Date: 12/19/01

Drawn by: RW Date: 11/10/02

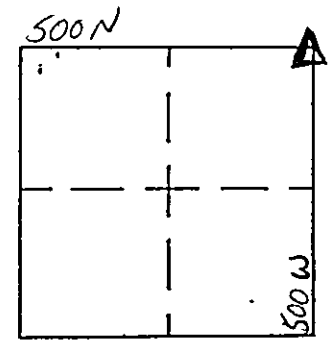
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST, SIX (6) INCHES ABOVE GROUND

BENCHMARK DESIGNATION

Z-193



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

GRANT COUNTY

DUCK CREEK

BOONE

VAN BUREN

PIPE CREEK

MONROE

DUNDEE

ORESTES

MOORESVILLE

THURSTON RD

RICHARDS RD.

HOWELL RD

WOOLEY RD

ENAMEL RD

COLLAGE

CORNER RD

FAIRGROUND RD

MT PISGAH RD.

HALF MILE RD

BETHEL RD.

GILMAN

GILMAN RD.

FERGUSON RD.

YELLOW CAT RD

HARTY RD

SMITH RD

CLARK RD

LEISURE ROAD

HENLEY ROAD

HOWELL RD

COPPERHEAD ROAD

TIPTON COUNTY

HAMILTON COUNTY

LAFAYETTE

RICHLAND

PROSPERITY

FLORIDA

LINWOOD

LINWOOD RD.

SCOUT CAMP RD.

COLLEGE CORNER RD

FREE RD.

JACKSON

PERKINSVILLE

HARTMAN CHAMBERS RD.

ANDERSON

ANDERSON UNION

STONY CREEK

FISHERSBURG

ALLIANCE

ALLIANCE RD

NEW COLUMBUS

FALL CREEK

EMPORIA

GREEN

ADAMS

MARIETTA

HENRY COUNTY

DELAWARE COUNTY

HANCOCK COUNTY

TO MUNCIE VIA S.R.332 IN DELAWARE CO ONLY

TO MUNCIE

TO KNIGHTSTOWN

TO GREENFIELD

TO INDIANAPOLIS

TO FORTVILLE

TO NOBLESVILLE

TO TIPTON

TO MARION

TO MECHANICSBURG

TO NEW CASTLE

TO MIDDLETOWN

TO FT WAYNE

RANGE 6 E

RANGE 7 E

RANGE 8 E

TWP 22 N

TWP 21 N

TWP 20 N

TWP 19 N

TWP 18 N

TWP 17 N

1900 N

1850 N

1800 N

1750 N

1700 N

1650 N

1600 N

1550 N

1500 N

1450 N

1400 N

1350 N

1300 N

1250 N

SR 28

1150 N

1100 N

1050 N

1000 N

900 N

800 N

700 N

650 N

600 N

500 N

450 N

400 N

300 N

250 N

200 N

150 N

100 N

SR 32

10 N

S.R.232

I-69

100 S

150 S

200 S

250 S

S.R 32

300 S

S.R 236

350 S

400 S

500 S

SR 38

550 S

600 S

650 S

700 S

I-69

800 S

850 S

900 S

950 S

SR 38

1000 S

1050 S

1100 S

81st ST.

200 N

WHITE RIVER

PIPE CREEK

PRAIRIE CREEK

FALL CREEK

LICK CREEK

INDIAN CREEK

ALEXANDRIA CREEK

TURKEY CREEK

BACK CREEK

MUD CREEK

STAR CREEK

LITTLE PRAIRIE CREEK

CON-RAIL

NORFOLK WESTERN

ANDERSON-HAMILTON RD.

STATE REFORMATORY

STATE POLICE POST

U.S. NO 31

U.S. NO 36

STATE ROAD NO 67

STATE ROAD NO 128

STATE ROAD NO 32

STATE ROAD NO 38

STATE ROAD NO 13

STATE ROAD NO 37

STATE ROAD NO 238

STATE ROAD NO 232

STATE ROAD NO 236

STATE ROAD NO 109

STATE ROAD NO 9

STATE ROAD NO 3

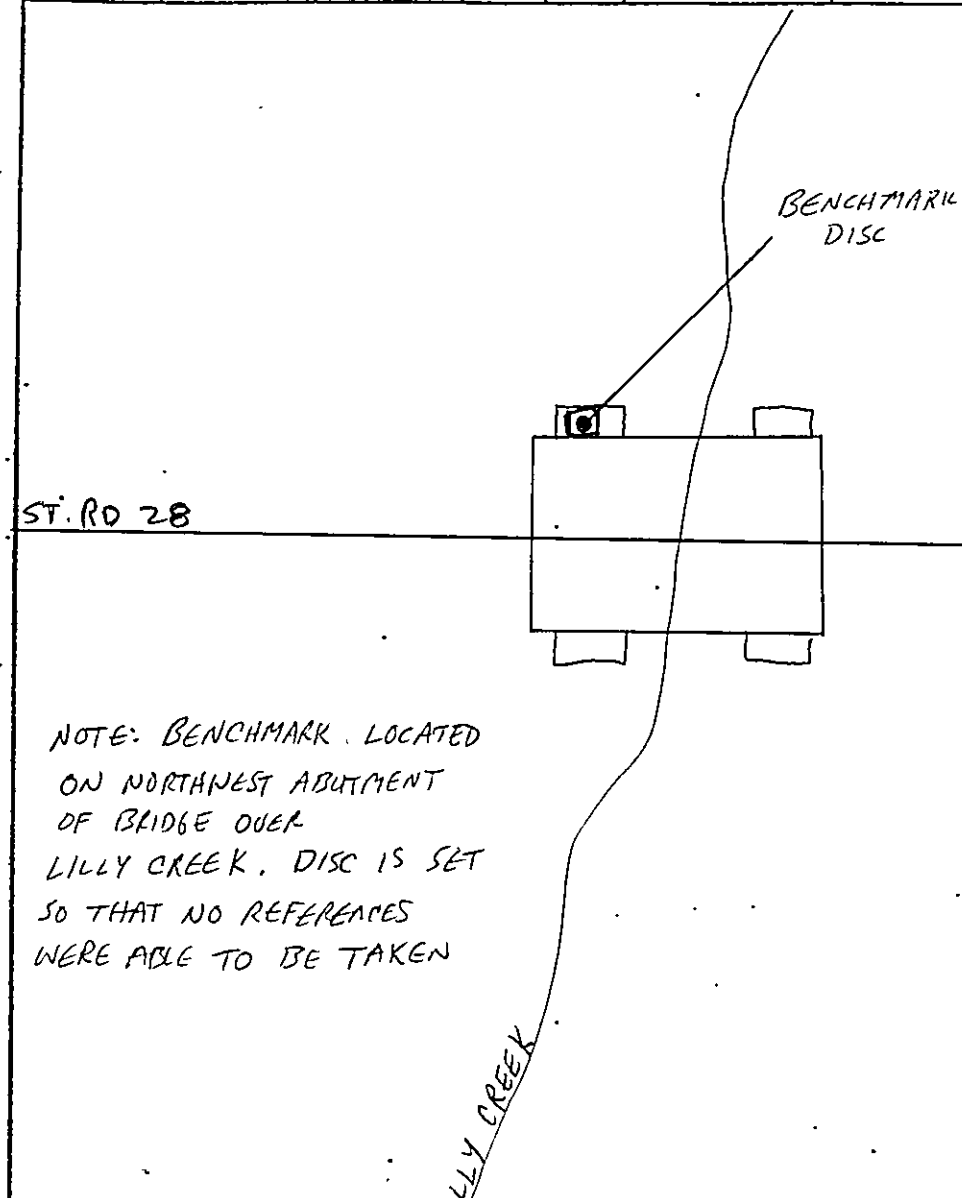
STATE ROAD NO 1

STATE ROAD NO 67 S.R.

MADISON COUNTY SURVEYOR — PATRICK J. MANSHIP

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
10	21	7			848.28	X=	Y=		



NORTH

Tied by: RW/MC Date: 1/9/02

Drawn by: RW Date: 1/30/02

Checked by: _____ Date: _____

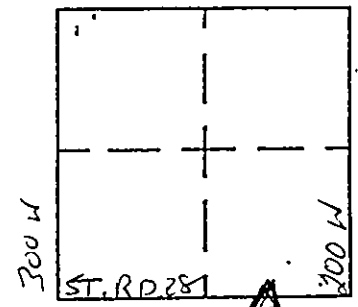
DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF NORTHWEST CONCRETE ABUTMENT

BENCHMARK DESIGNATION

MAD 66

NOTE: BENCHMARK LOCATED ON NORTHWEST ABUTMENT OF BRIDGE OVER LILLY CREEK. DISC IS SET SO THAT NO REFERENCES WERE ABLE TO BE TAKEN



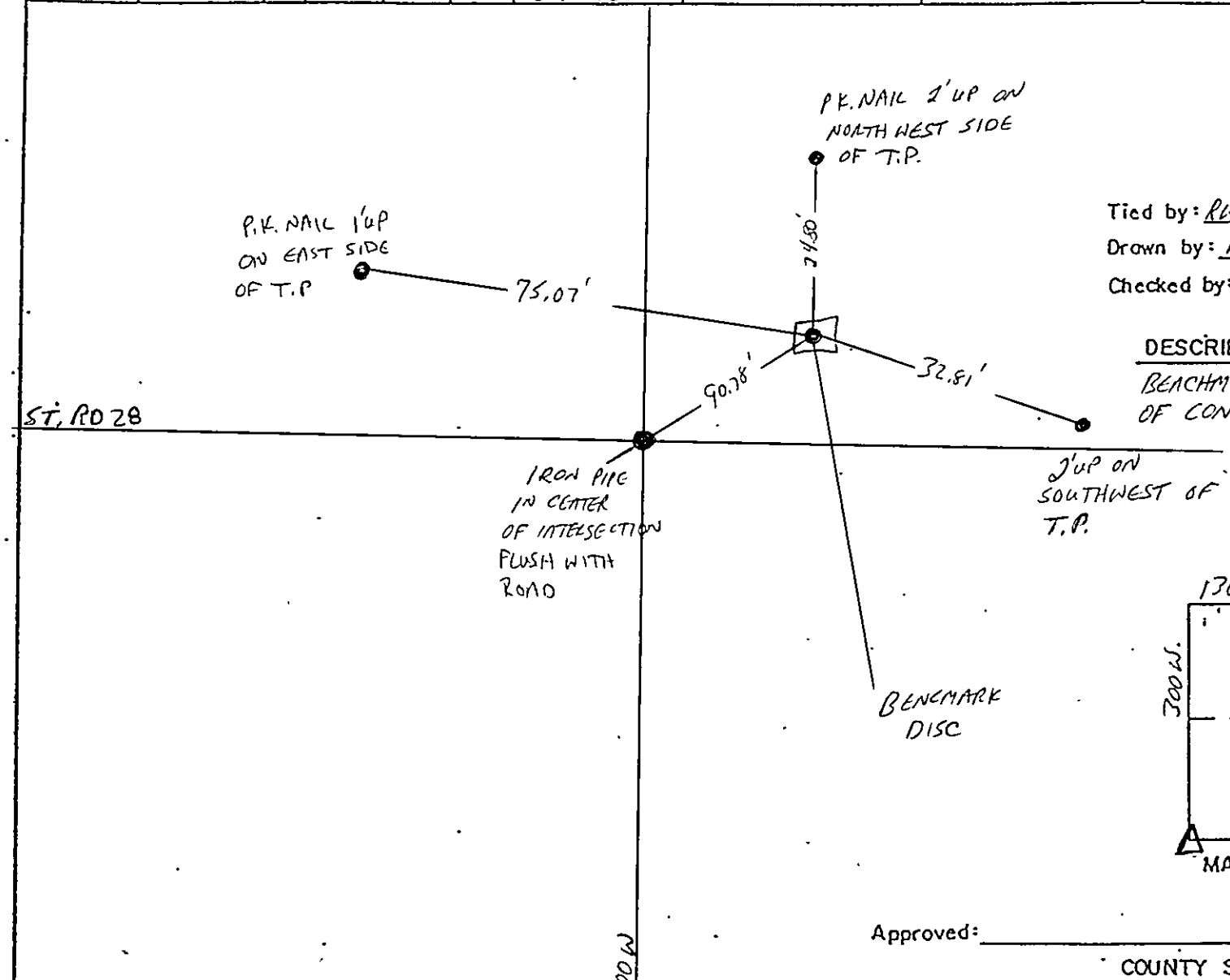
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
10	21	7			872.20	X=	Y=		



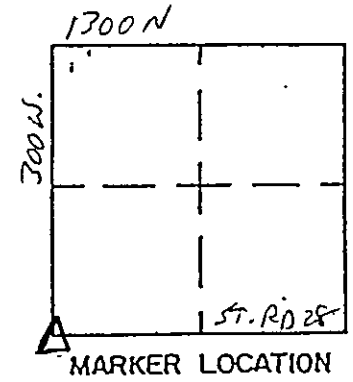
Tied by: RW/MC Date: 1/9/02

Drawn by: RW Date: 1/30/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE POST



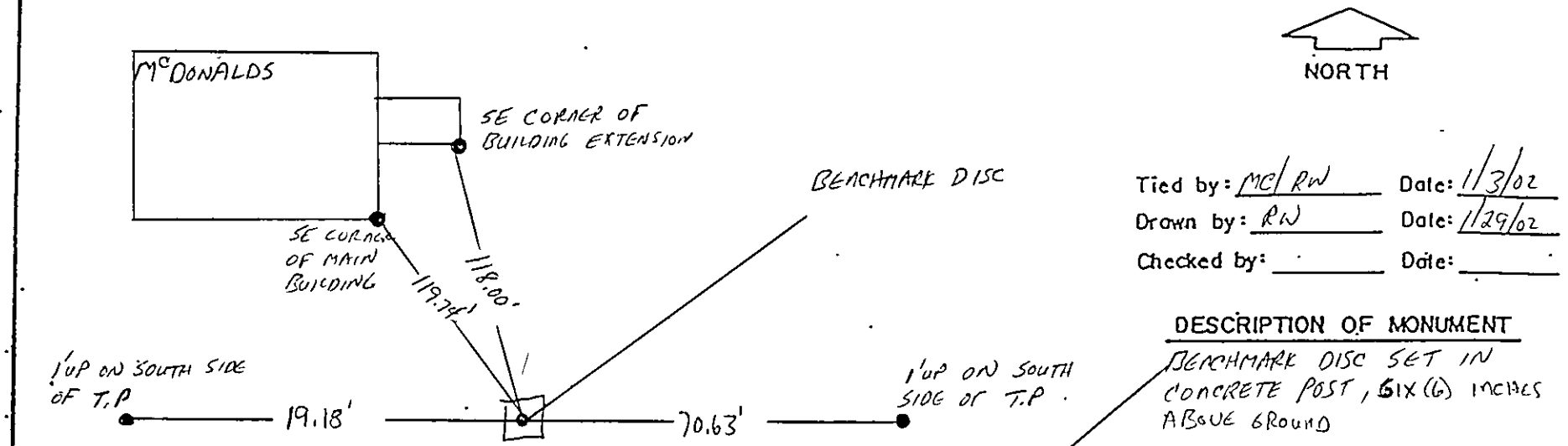
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
11	21	6			866.81'	X=	Y=		



Tied by: MC/RW Date: 1/3/02

Drawn by: RW Date: 1/29/02

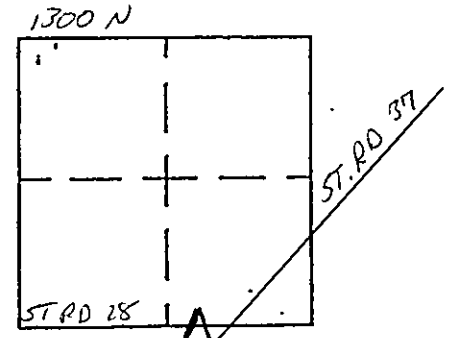
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST, SIX (6) INCHES ABOVE GROUND

BENCHMARK DESIGNATION

N-206



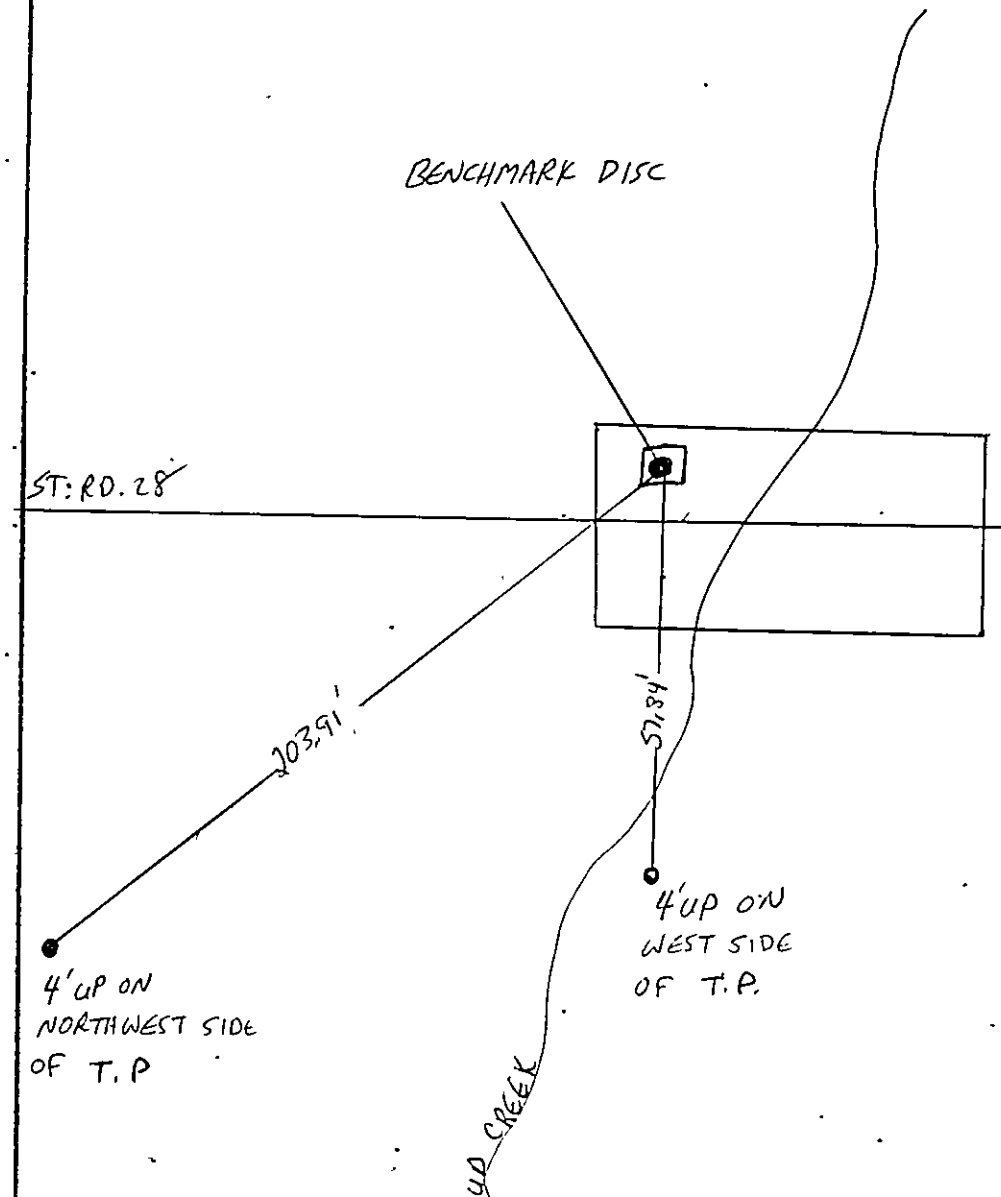
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
11	21	7			852.30	X=	Y=		



NORTH

Tied by: RW/MC Date: 1/9/02

Drawn by: RW Date: 1/30/02

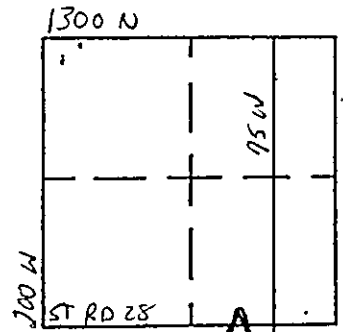
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET ON TOP OF NORTHWEST SIDE OF BRIDGE

BENCHMARK DESIGNATION

MAD 670



MARKER LOCATION

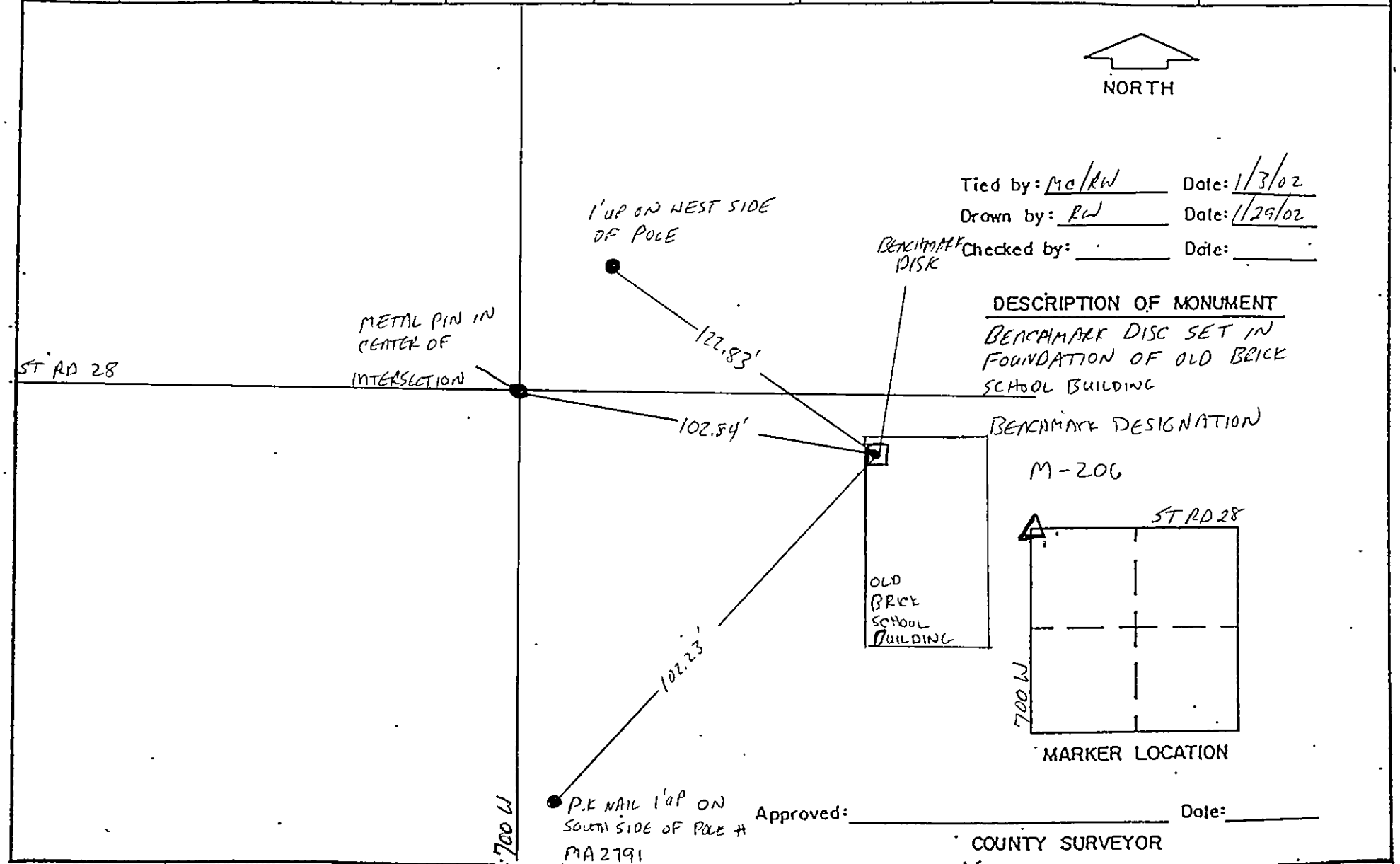
95 WEST

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
13	21	6			867.71	X=	Y=		



Tied by: MC/RW Date: 1/3/02

Drawn by: RW Date: 1/29/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN FOUNDATION OF OLD BRICK SCHOOL BUILDING

BENCHMARK DESIGNATION

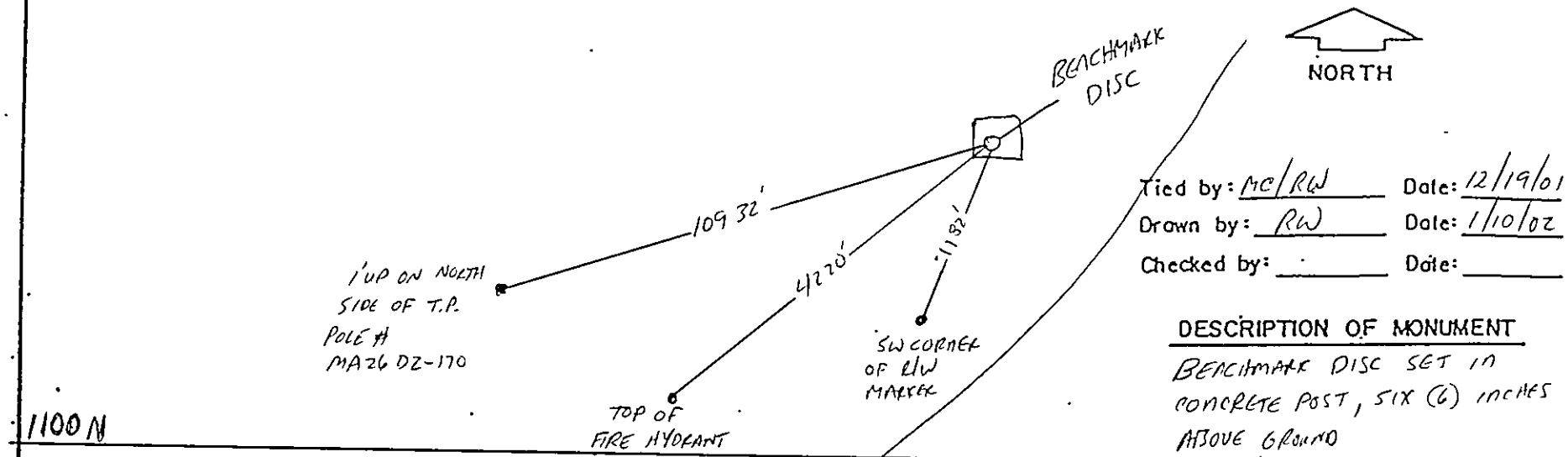
M-206

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
15	21	6			868.16	X=	Y=		



Tied by: MC/RW Date: 12/19/01

Drawn by: RW Date: 1/10/02

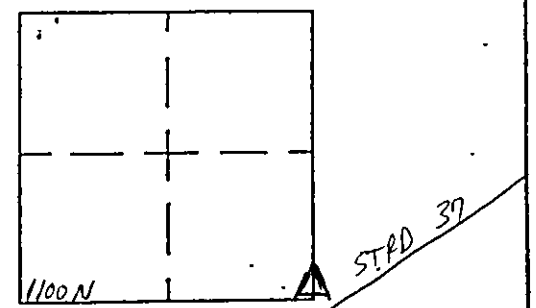
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST, SIX (6) INCHES ABOVE GROUND

BENCHMARK DESIGNATION

A-195



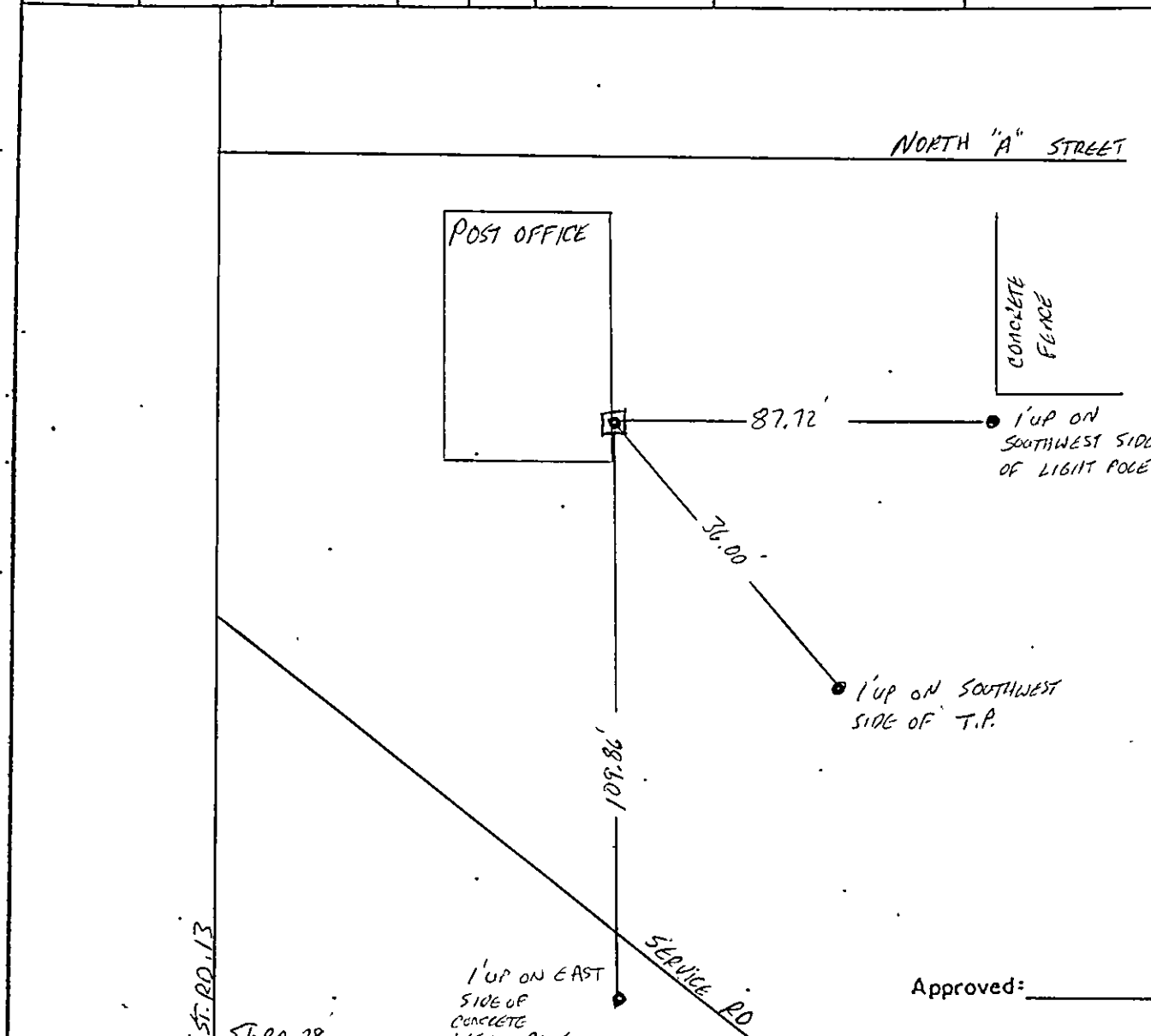
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
15	21	6			864.92	X=	Y=		



Tied by: MC/RV Date: 1/3/02

Drawn by: RW Date: 1/29/02

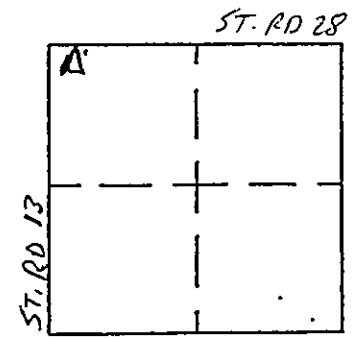
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN WALL AT POST OFFICE IN ELWOOD

BENCHMARK DESIGNATION

Q-206



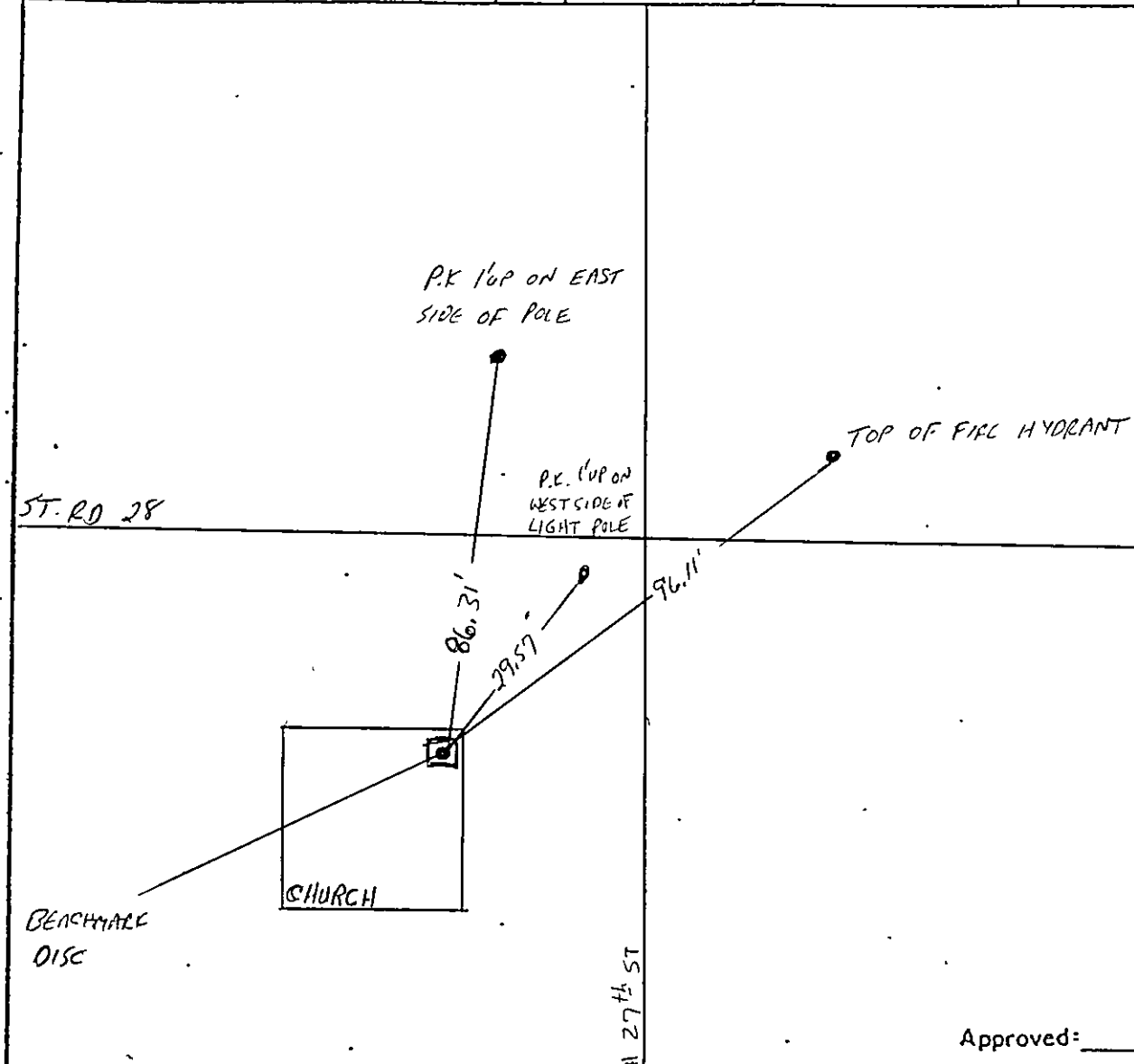
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
15.	21	6			868.76'	X=	Y=		



Tied by: RC/RW. Date: 1/3/02

Drawn by: RW Date: 1/29/02

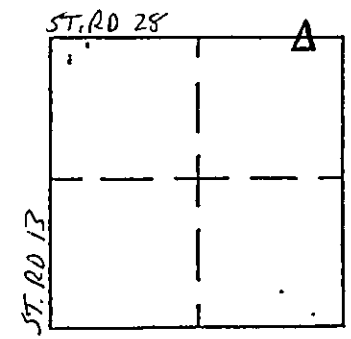
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN FOUNDATION OF BUILDING

BENCHMARK DESIGNATION

P-206



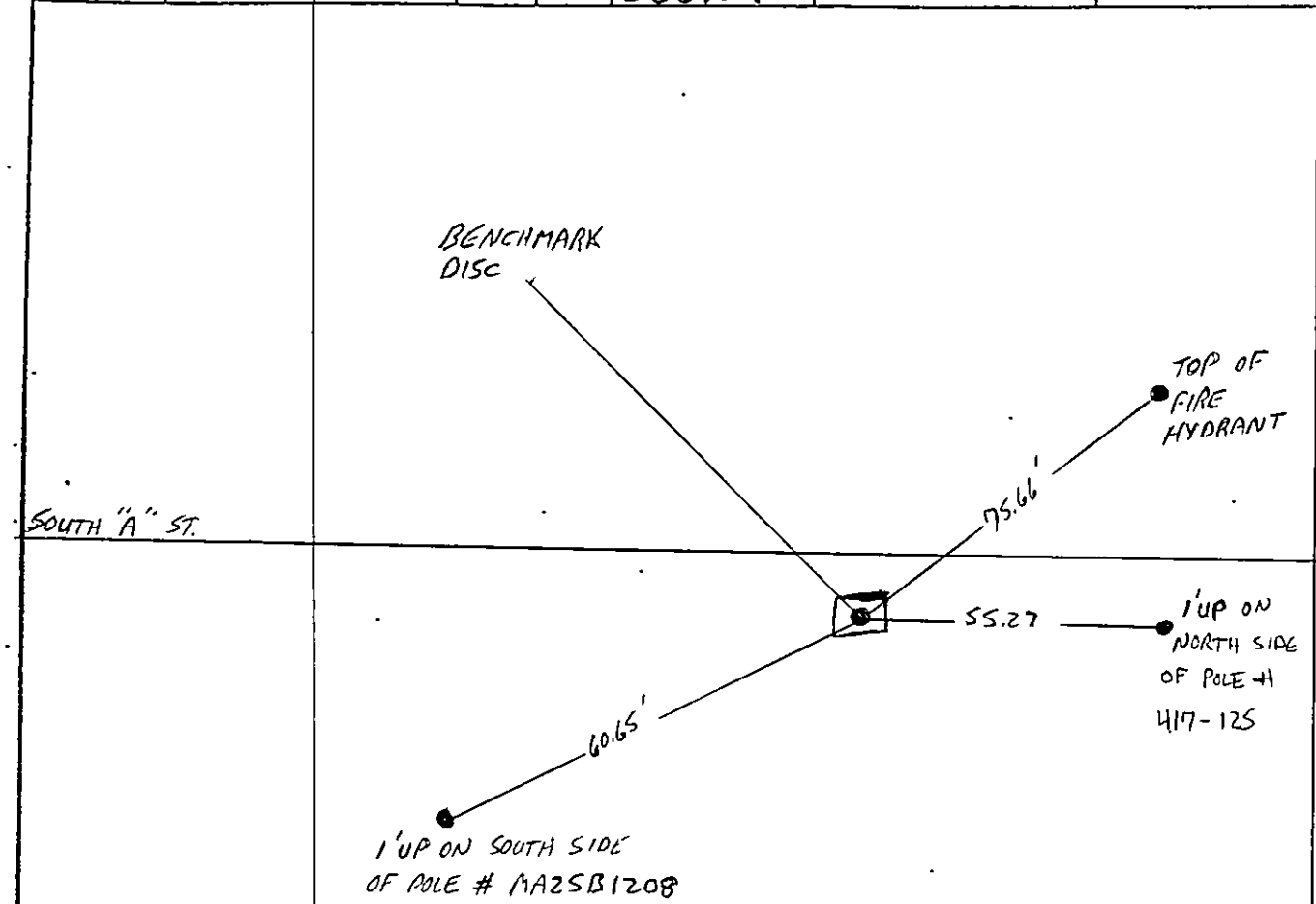
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
16	22	6			866.29'	X=	Y=		



Tied by: MC/RW Date: 12/21/01

Drawn by: RW Date: 1/28/02

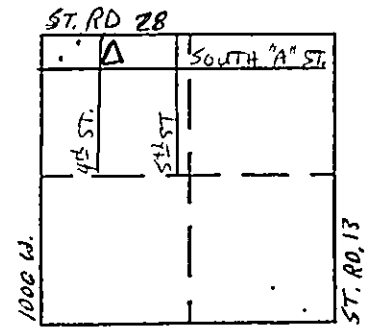
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF ~~CONTRACT~~ CONCRETE POST PROJECTING TWO (2) INCHES

BENCHMARK DESIGNATION

ELLWOOD RM NO. 1



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
16	22	6			862.69	X=	Y=		

NORTH

Tied by: MC/RW Date: 12/19/01

Drawn by: RW Date: 1/28/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE POST

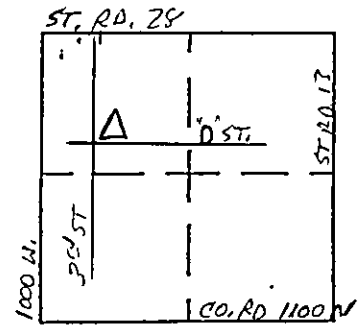
"D" STREET

1'UP NORTH SIDE OF POLE — 86.65' — 49.73' — 1'UP ON NORTH SIDE OF POLE

BENCHMARK DISC

BENCHMARK DESIGNATION

ELWOOD AZ



MARKER LOCATION

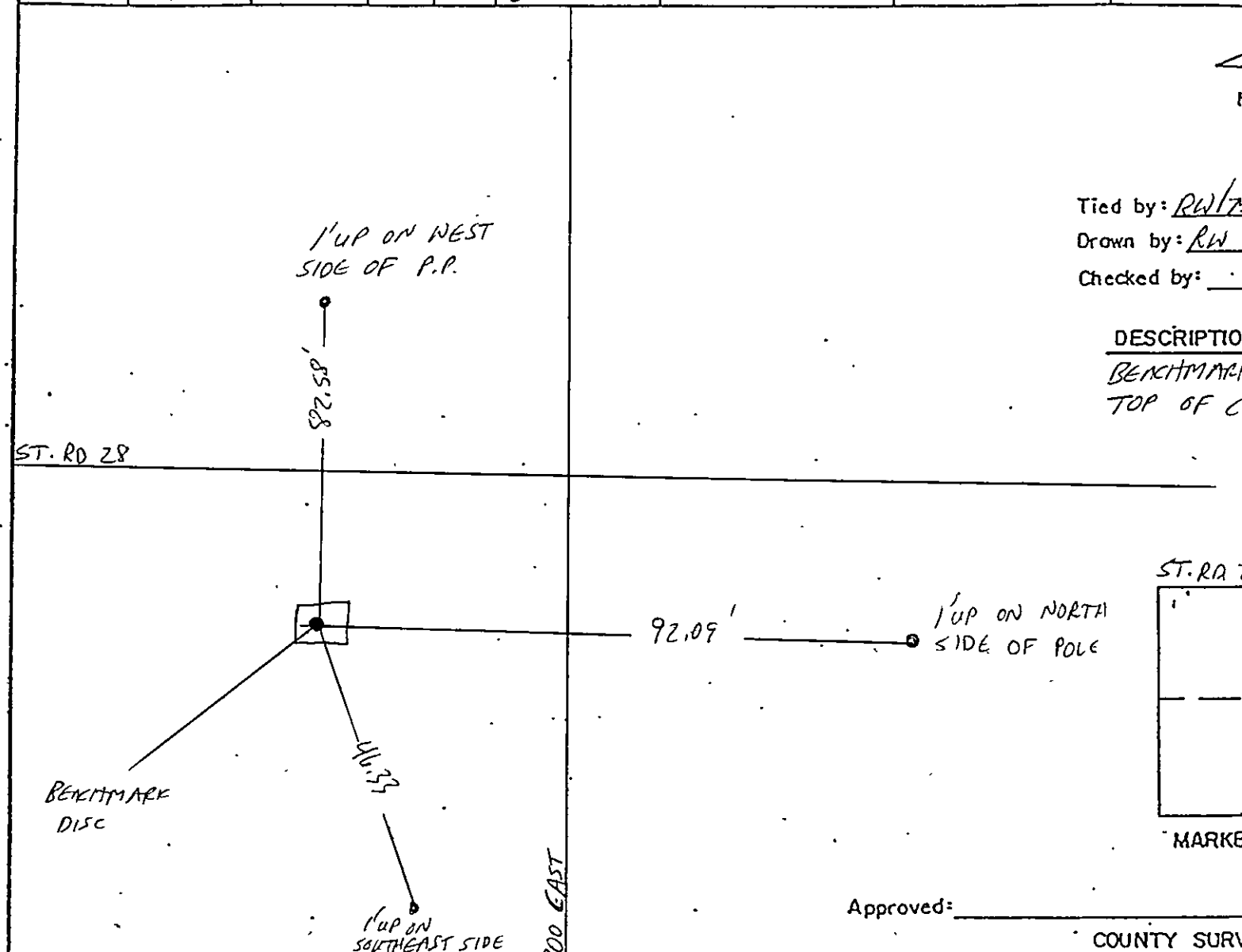
3rd STREET

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
16.	21	8			890.48	X=	Y=		



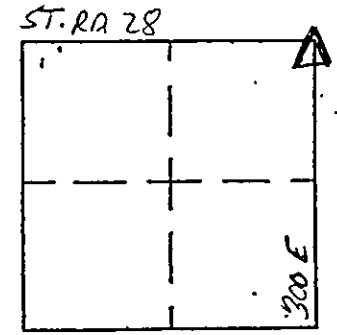
Tied by: RW/MC Date: 11/11/02

Drawn by: RW Date: 11/30/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE POST.



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
16	22	6			867.40' ~~866.94'~~	X=	Y=		

Tied by: MC/RW Date: 12-19-01

Drawn by: RW Date: 1/28/02

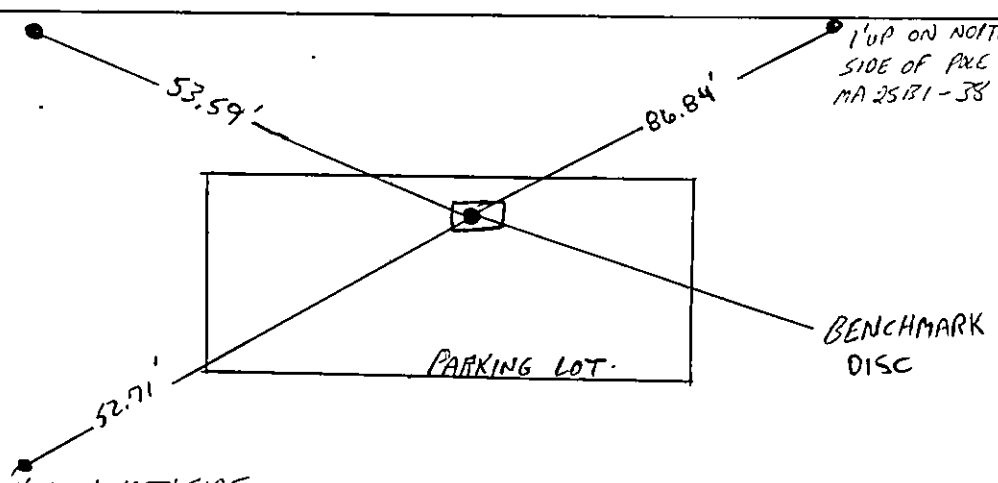
Checked by: _____ Date: _____

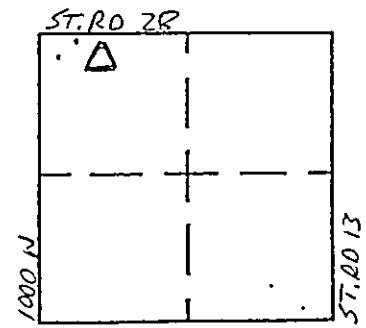
DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN A CONCRETE POST

BENCHMARK DESIGNATION

ELWOOD





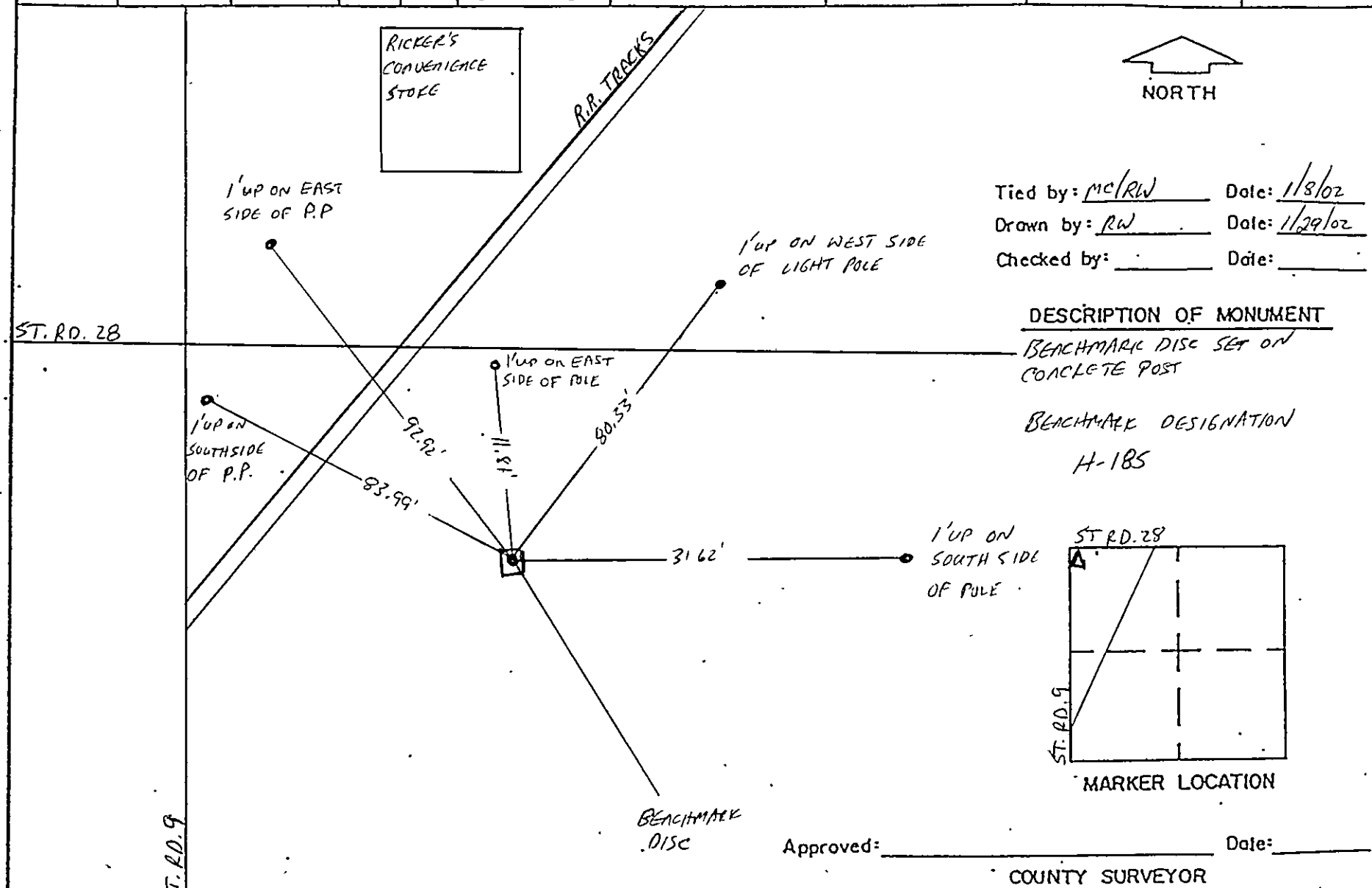
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
18	21	8			884.02	X=	Y=		



Tied by: MC/RW Date: 1/8/02

Drawn by: RW Date: 1/29/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BEACHMARK DISC SET ON CONCRETE POST

BEACHMARK DESIGNATION

H-185

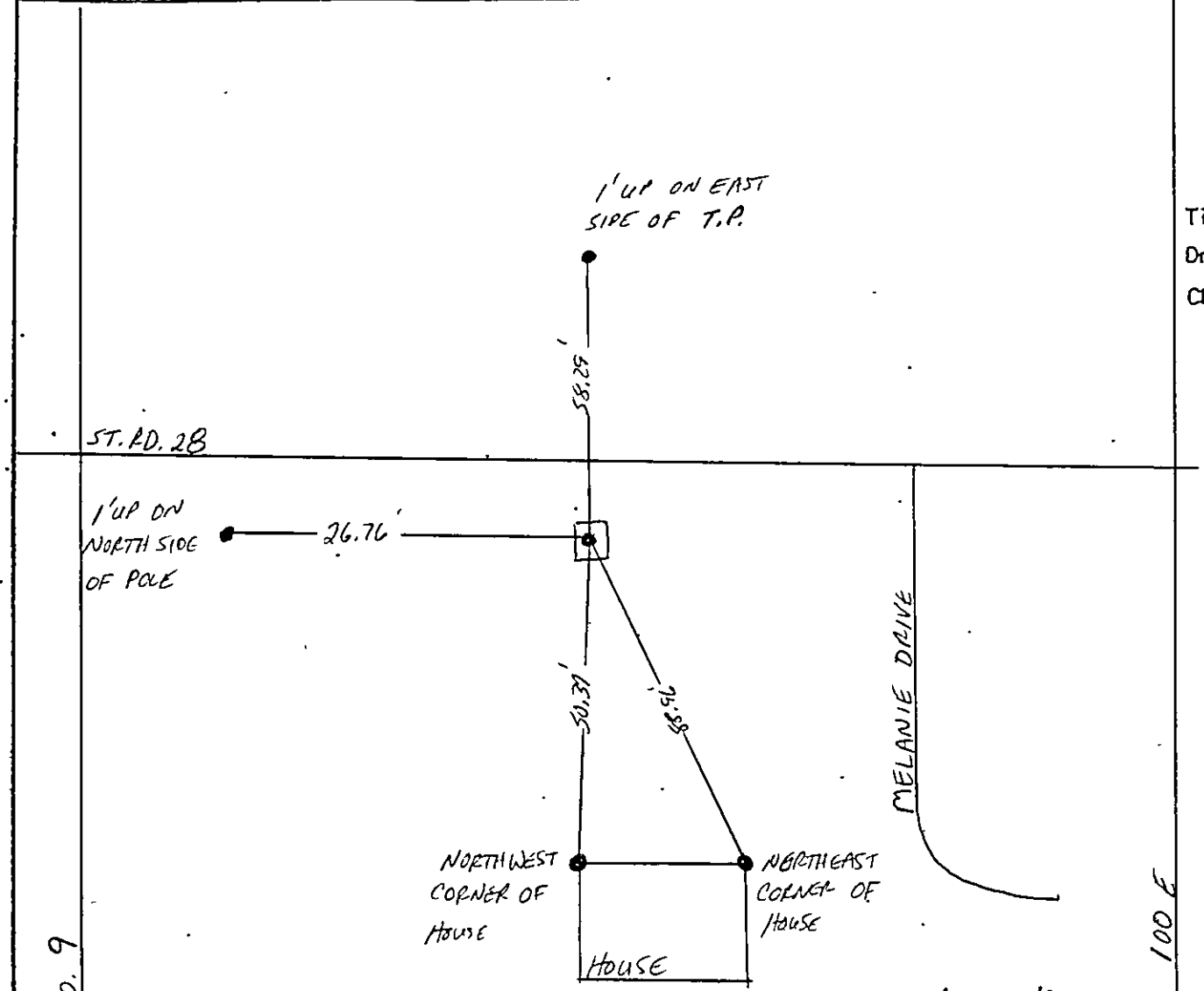
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
18	21	8			900.09	X=	Y=		



NORTH

Tied by: RW/MC Date: 1/9/02

Drawn by: RW Date: 1/29/02

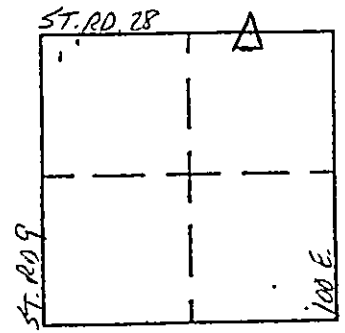
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE POST

BENCHMARK DESIGNATION

PAINTER AZ



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
18	21	8			891.57	X=	Y=		

NORTH

Tied by: RW/MC Date: 11/9/02

Drawn by: RW Date: 11/29/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE POST

ST. RD 28

BENCHMARK DISC

137.93' 1' UP ON NORTH SIDE OF POLE

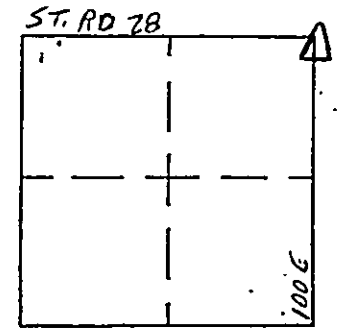
62.80' 1' UP ON NORTHEAST SIDE OF P.P.

93.72' 1' UP ON NORTHEAST CORNER OF HOUSE

HOUSE

BENCHMARK DESIGNATION

U-217



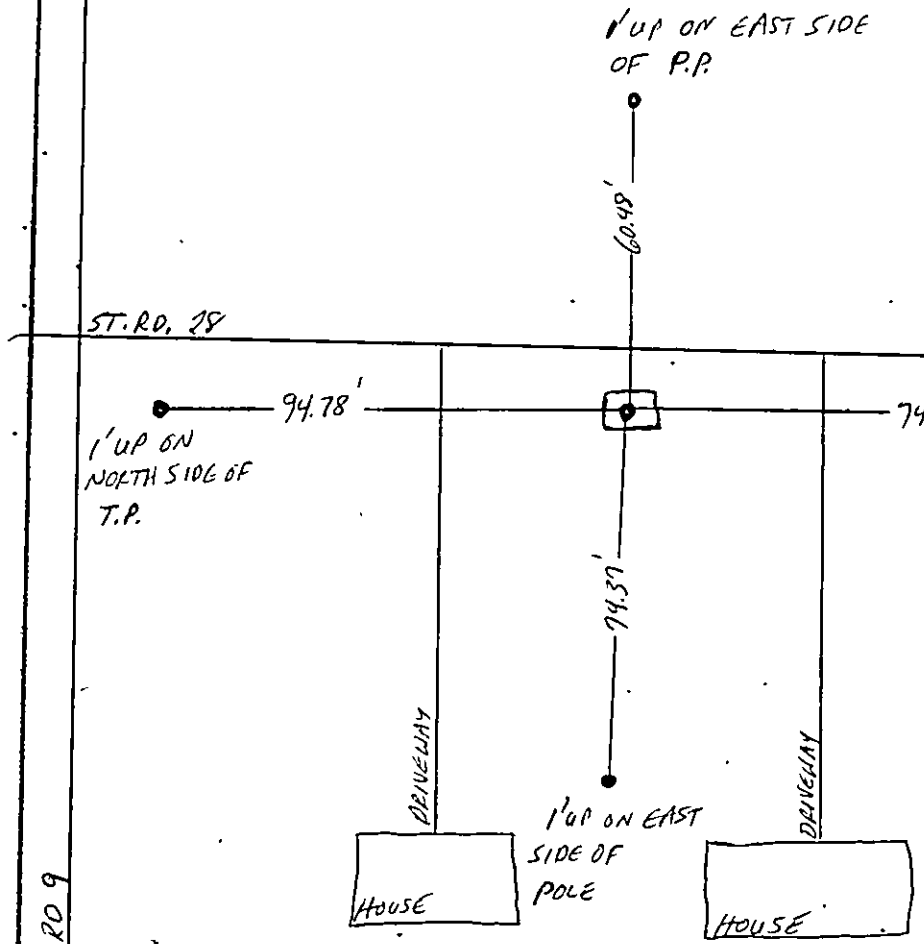
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
18	21	8			893.55'	X=	Y=		

NORTH



Tied by: RW/MC Date: 1/9/02

Drawn by: RW Date: 1/29/02

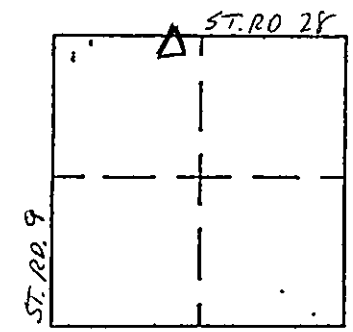
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE POST

BENCHMARK DESIGNATION

PAINTER NO. II



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
22	21	6			861.09	X=	Y=		

1100 NORTH

NORTH

SOUTHEAST CORNER OF TOP OF R/W MARKER

NOTE - CONCRETE POST IS LEANING ON ITS SIDE

1.9 ft

ST. RD. 37

1000 NORTH

FENCE ROW

Tied by: MC/RW Date: 1/3/02

Drawn by: RW Date: 1/29/02

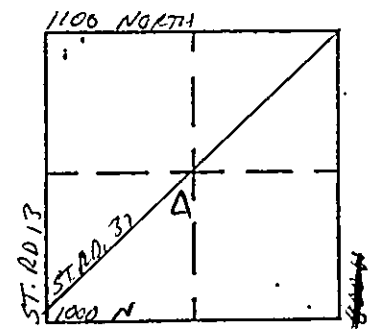
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET ON CONCRETE POST

BENCHMARK DESIGNATION

Z-194



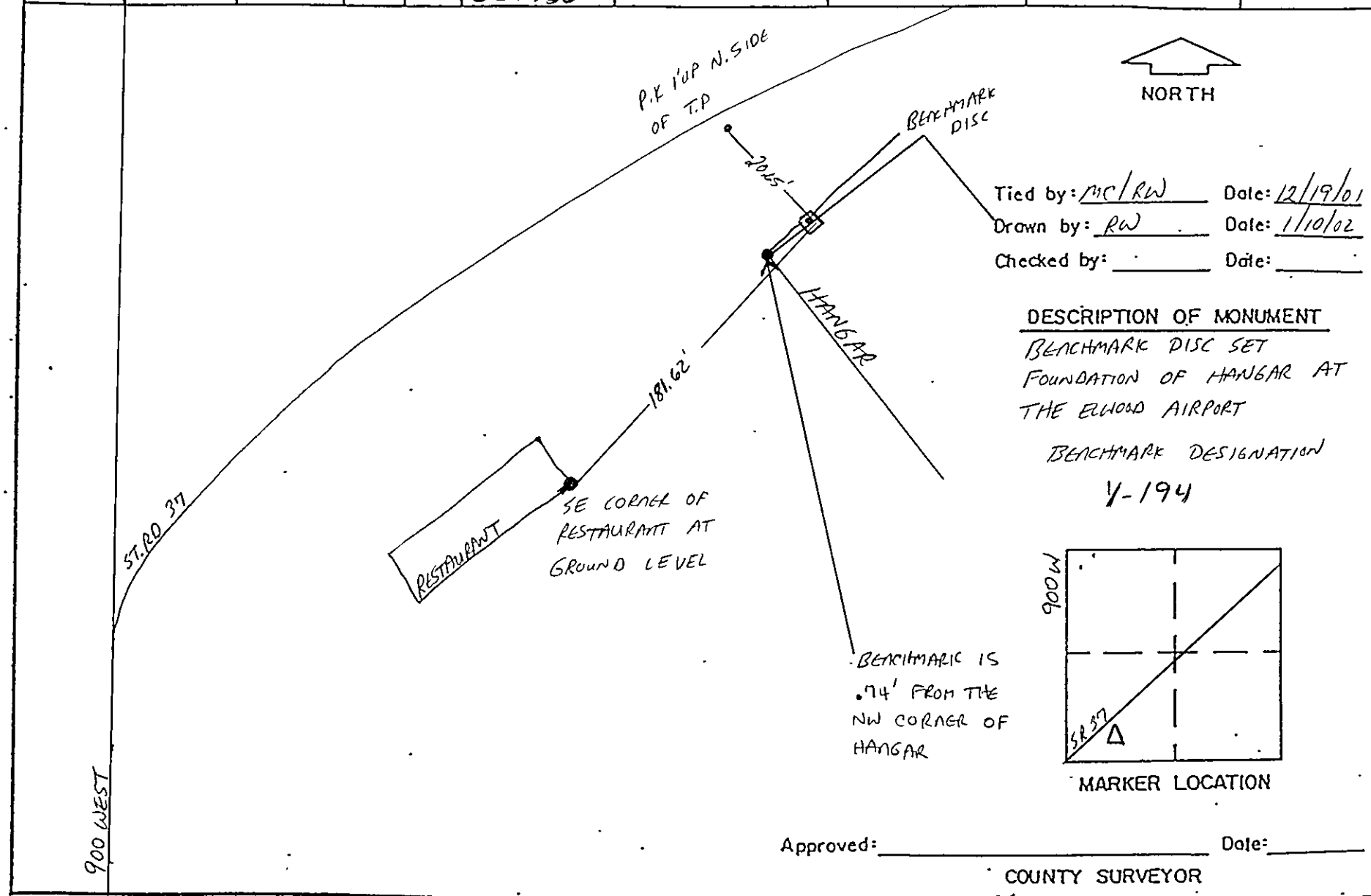
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
22	21	6			860.36	X=	Y=		



Tied by: MC/RW Date: 12/19/01

Drawn by: RW Date: 1/10/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET FOUNDATION OF HANGAR AT THE ELLWOOD AIRPORT

BENCHMARK DESIGNATION

1-194

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
22	21	7			832.424'	X=	Y=		

NORTH

Tied by: RW/MC Date: 2/22/02

Drawn by: RW Date: 3/15/02

Checked by: _____ Date: _____

1/2" IRON PIPE IN CENTER OF INTERSECTION FLUSH WITH SURFACE OF ROAD

1000 N

38.30'

PK NAIL 1'ΦP ON WEST SIDE OF P.P.

35.97'

DESCRIPTION OF MONUMENT

BENCHMARK DISK SET IN TOP OF CONCRETE WALL, FLUSH WITH SURFACE OF GROUND

BENCHMARK DESIGNATION

TT 62 CGM 1957

MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
24	21	7				X=	Y=		

NORTH

Tied by: RW/MC Date: 2/1/02

Drawn by: RW Date: 3/18/02

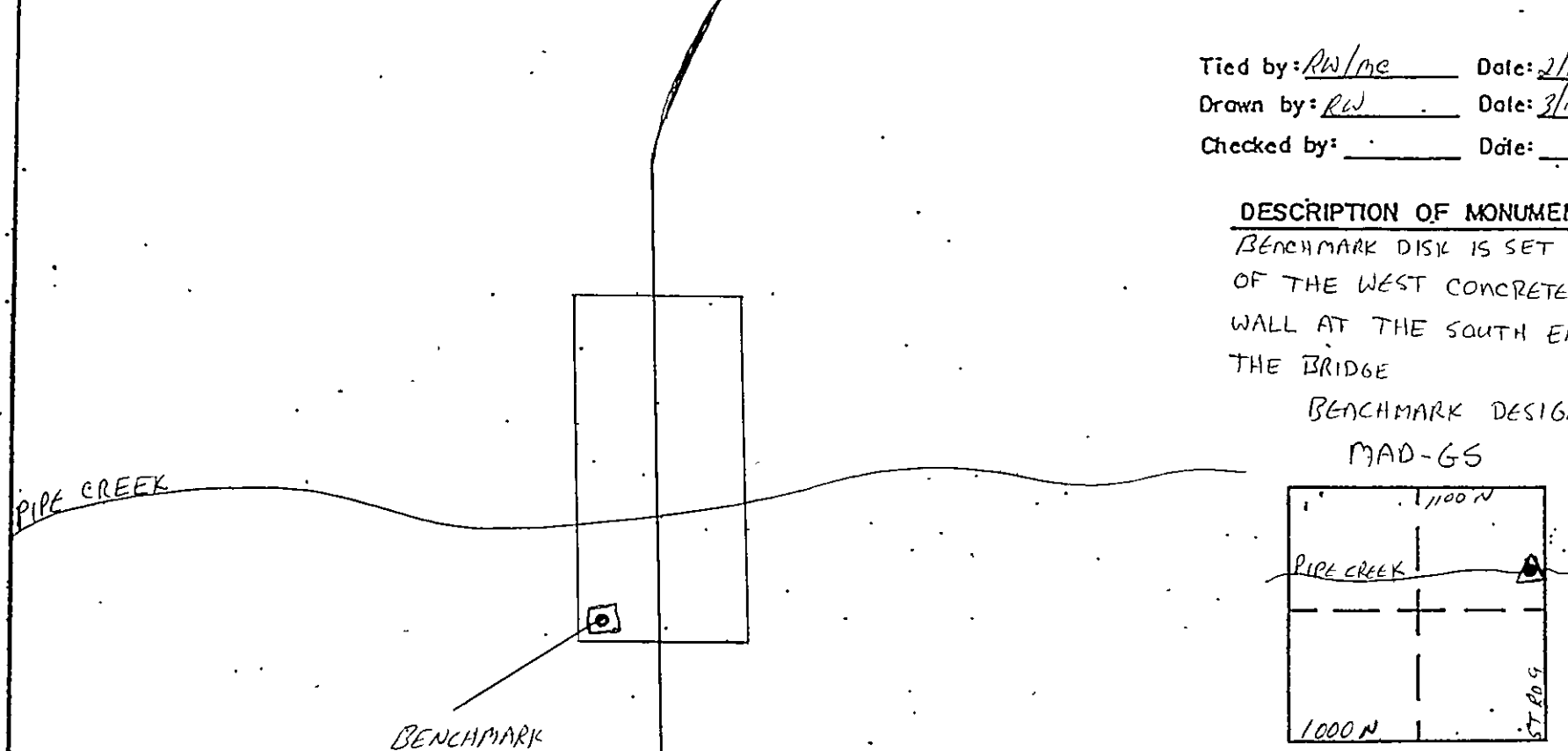
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISK IS SET IN TOP OF THE WEST CONCRETE GUARD WALL AT THE SOUTH END OF THE BRIDGE

BENCHMARK DESIGNATION

MAD-GS



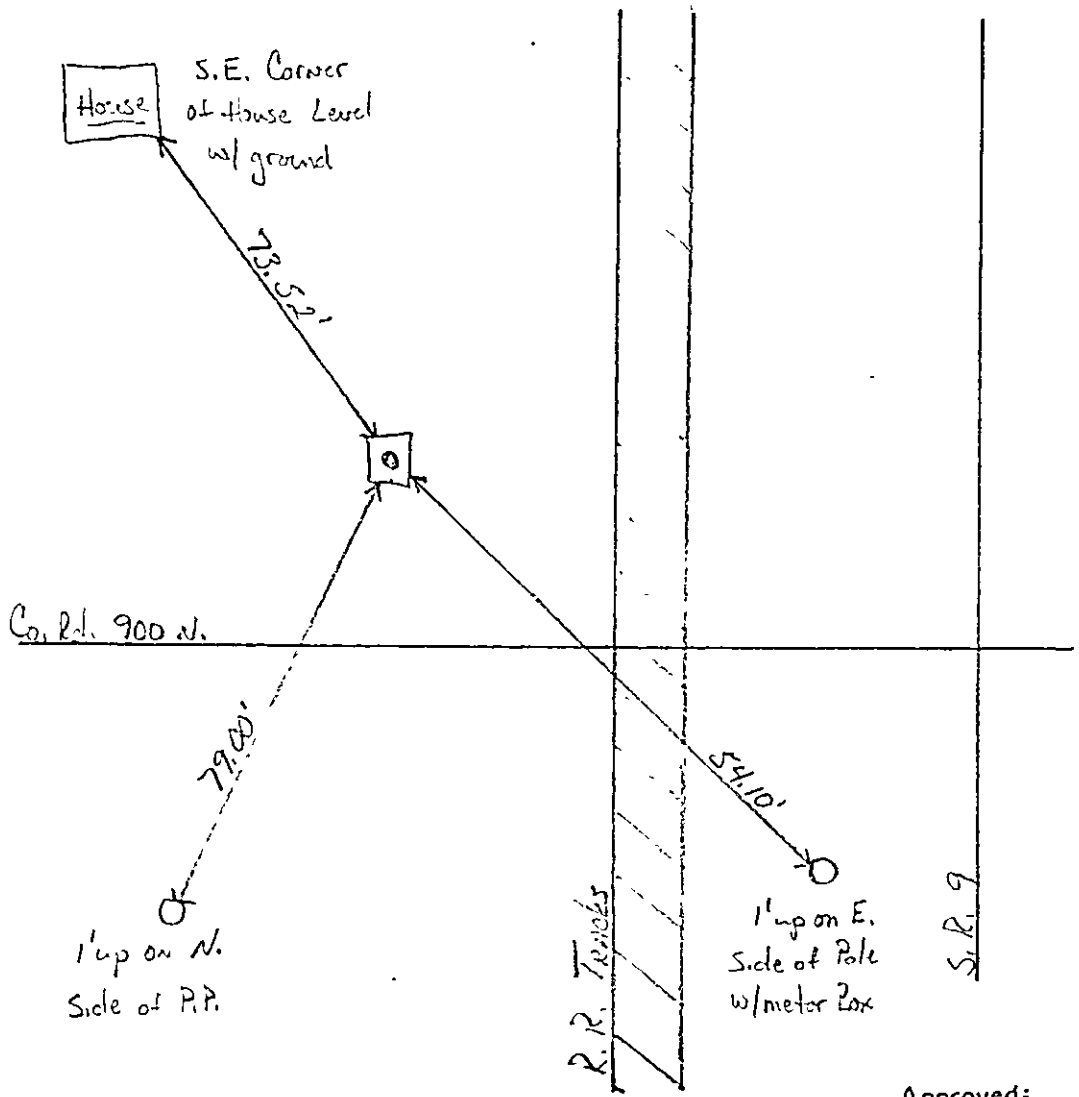
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
25	21	7			885.69	X=	Y=		



NORTH

Tied by: M.C. - 2.W Date: 1-14-02

Drawn by: M.C. Date: 1-29-02

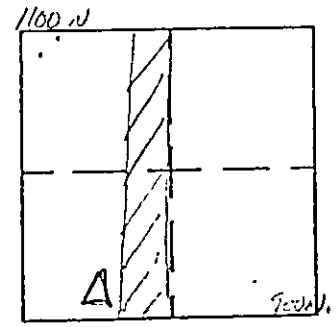
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Benchmark - S 193

Disk Set in Concrete Post

Projecting 4" High



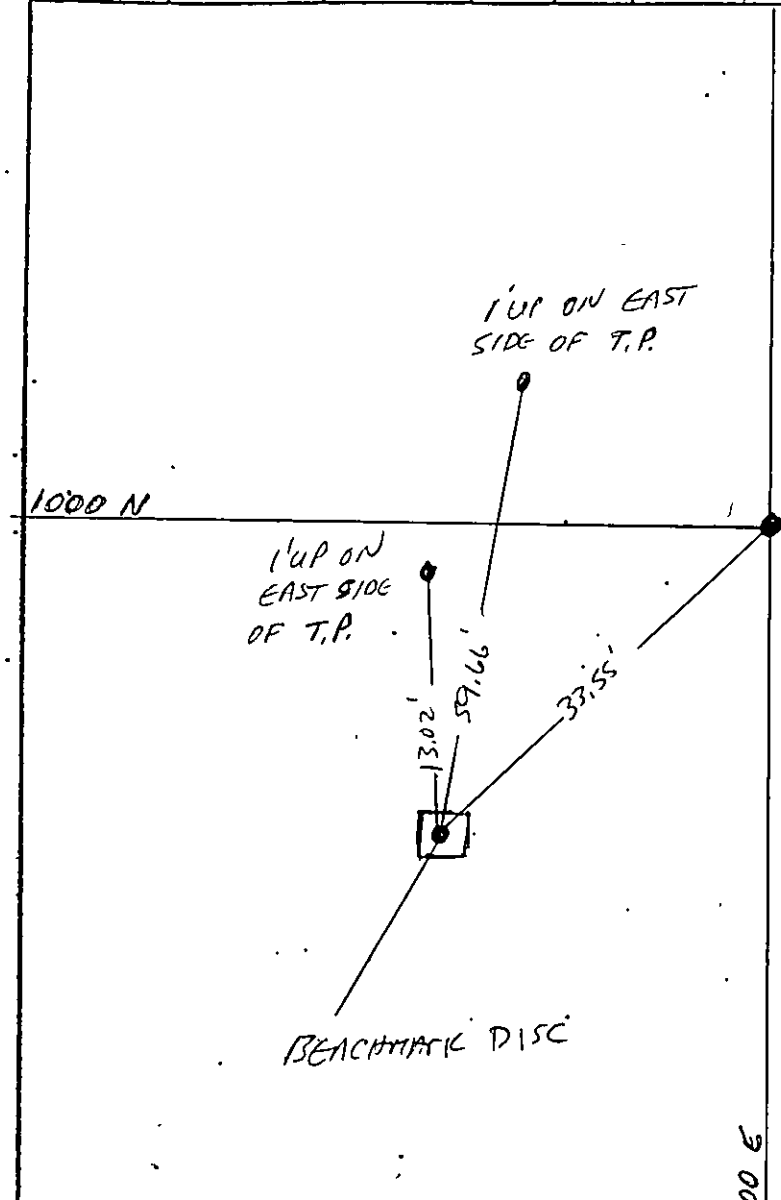
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
26	21	8			913.11	X=	Y=		



NORTH

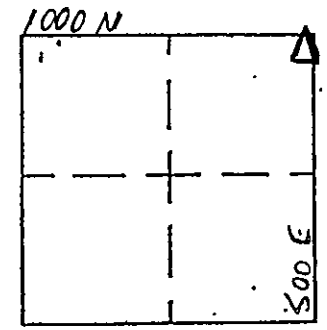
Tied by: RW/MC Date: 1/11/02

Drawn by: RW Date: 1/30/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BEACHMARK DISC SET IN TOP OF CONCRETE POST.



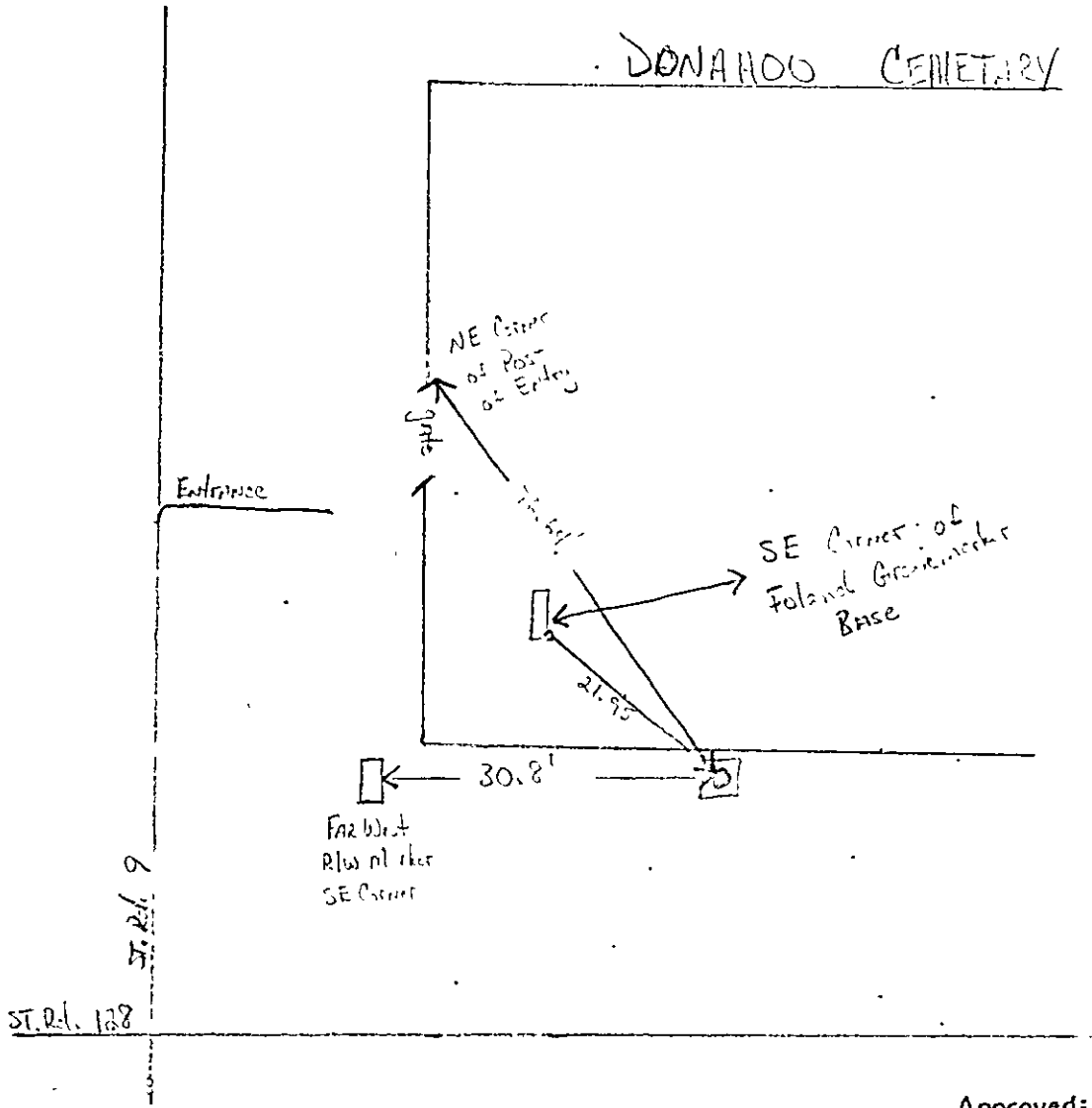
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
31	21	8			890'	X=	Y=		



NORTH

Tied by: N.C. R.W. Date: 1-14-02

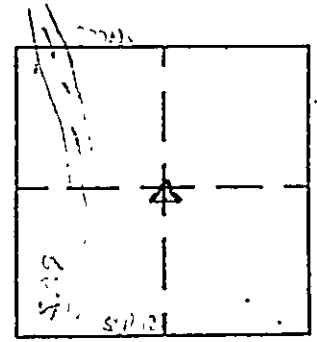
Drawn by: N.C. Date: 1-17-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Benchmark - Elgin AZ

Disk in Concrete 4' S/W



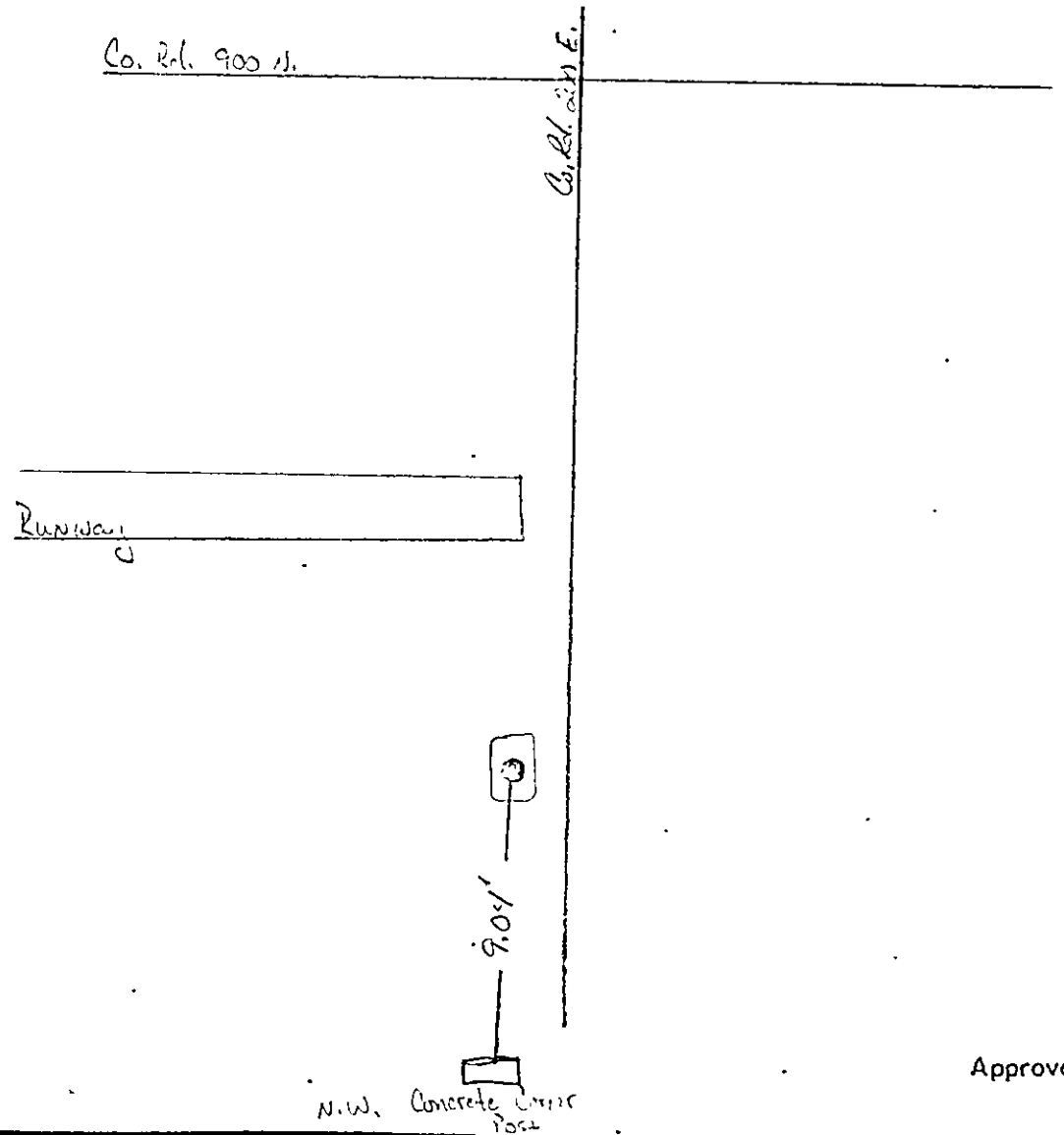
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
32	21	8			885'	X=	Y=		



NORTH

Tied by: M.C. R.W. Date: 1-14-02

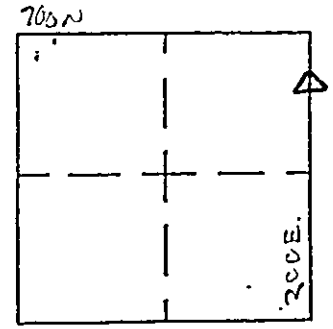
Drawn by: M.C. Date: 1-29-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench Mark - Airport 1986

Disk top of Concrete W. of 200 E.



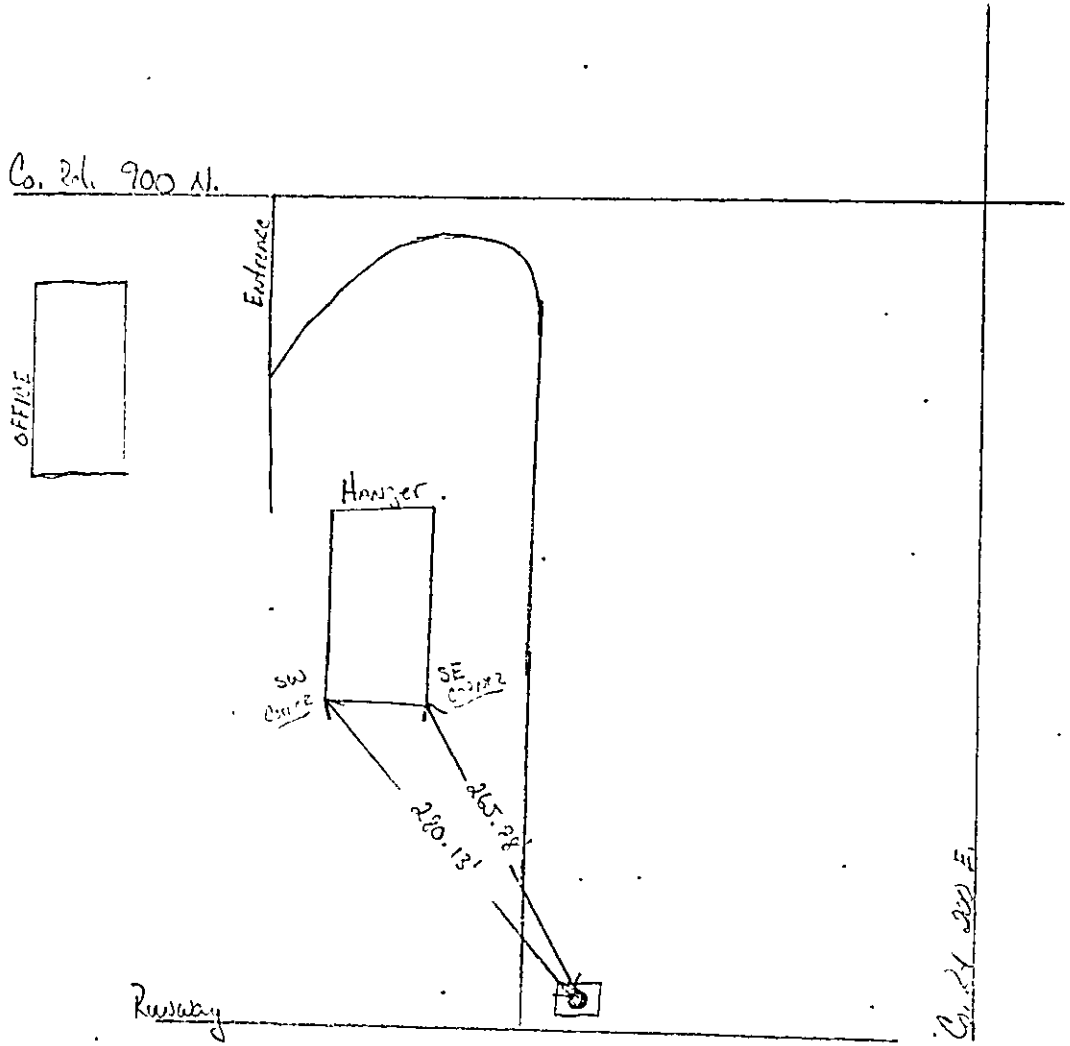
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
32	21	8			897'	X=	Y=		



NORTH

Tied by: DLC - RW Date: 1-14-02

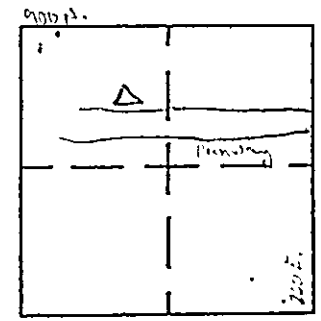
Drawn by: DLC Date: 1-29-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench Mark - Aluminum

Just N. of Runway. Flush w/ ground in Concrete.



MARKER LOCATION

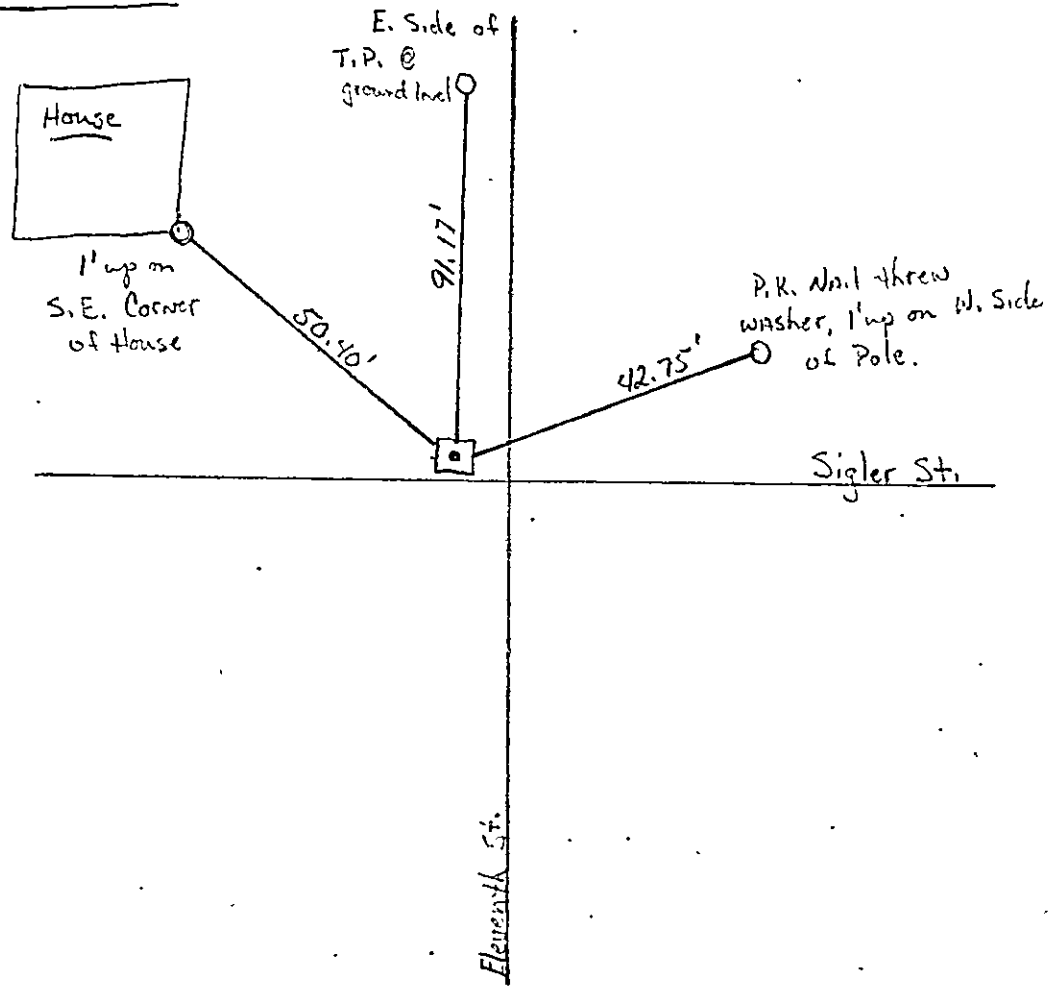
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
6	20	7			862.39	X=	Y=		

* IN FRANKTON *



NORTH

Tied by: M.C. + R.W. Date: 2-12-02

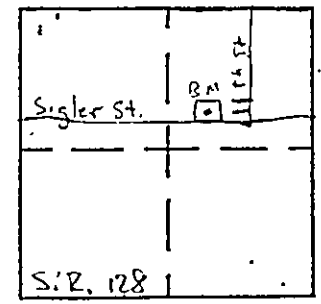
Drawn by: M.C. Date: 3-13-02

Checked by: Date:

DESCRIPTION OF MONUMENT

PAINTED CHISELED TRIANGLE

Triangle is Located on the N.W. Side of Intersection.



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
6	21	7			866.82	X=	Y=		

1400 N

NORTH

Tied by: MC/RW Date: 12/21/01

Drawn by: RW Date: 1/28/02

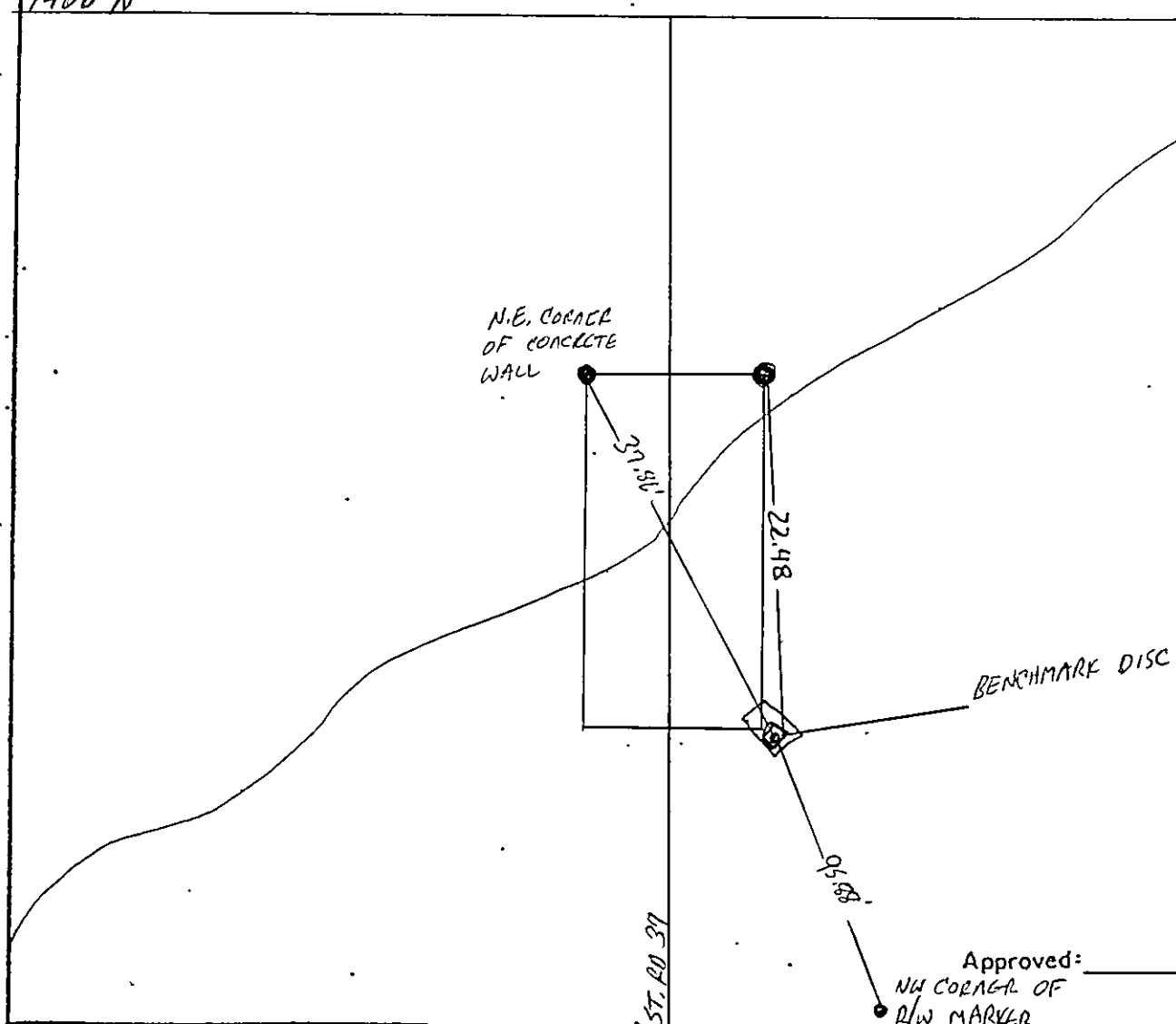
Checked by: _____ Date: _____

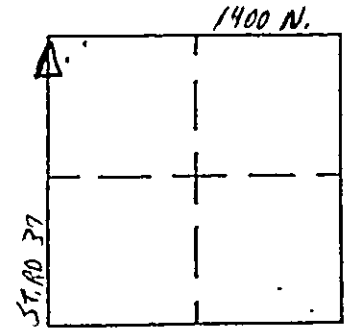
DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF WEST END OF SOUTHEAST WINGWALL

BENCHMARK DESIGNATION

MAD 62





MARKER LOCATION

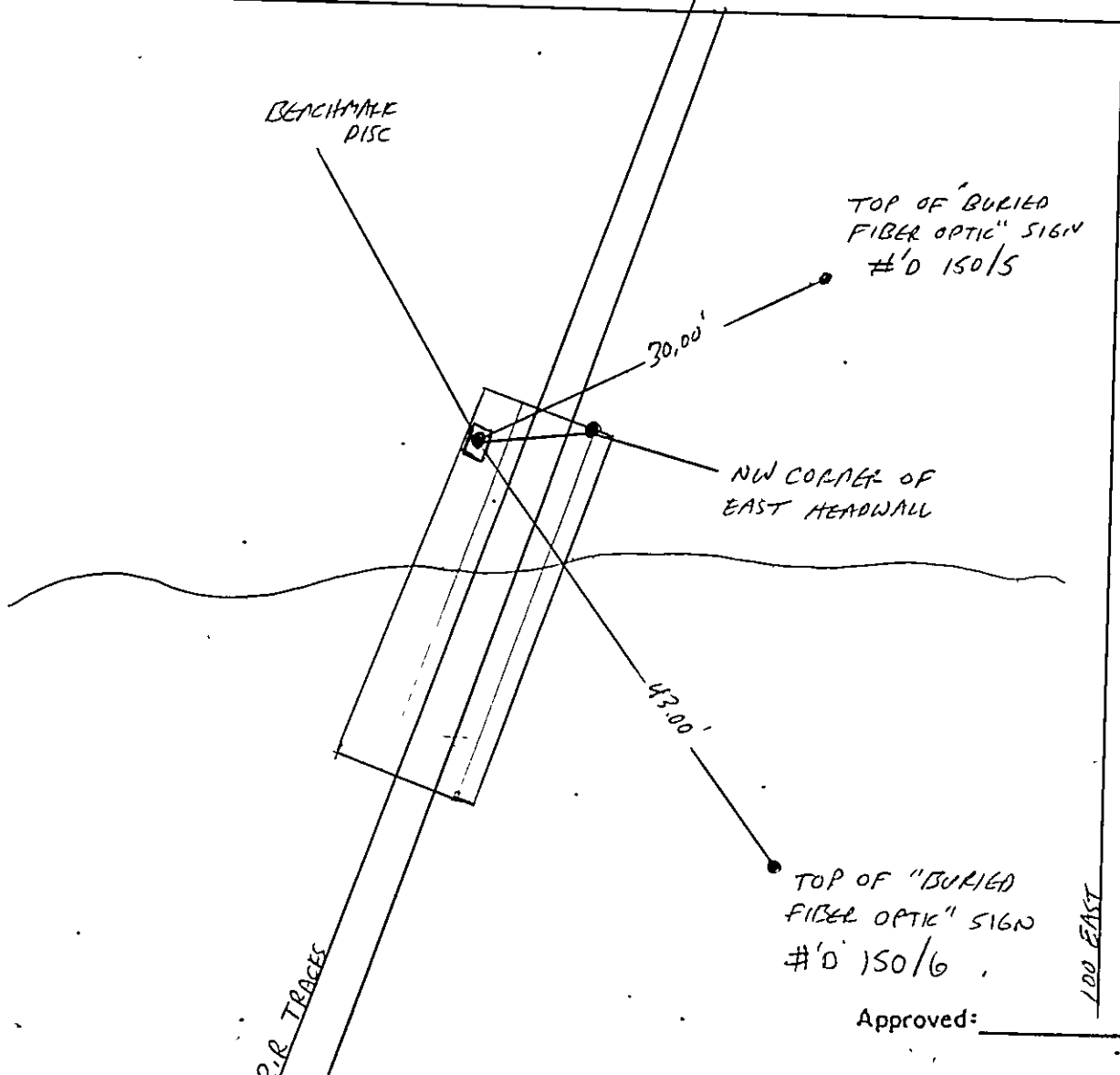
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
6	21	8			883.71	X=	Y=		

1400 NORTH



NORTH

Tied by: MC/RW. Date: 1/31/02

Drawn by: RW Date: 1/29/02

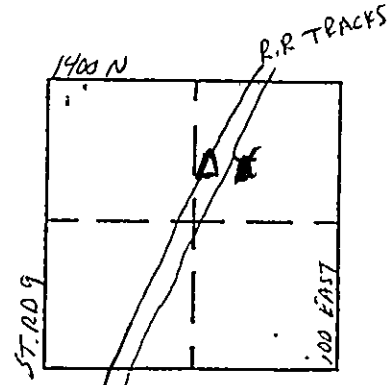
Checked by: Date:

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP ~~END~~ OF NORTHEND OF WEST CONCRETE HEAD WALL

BENCHMARK DESIGNATION

F-185



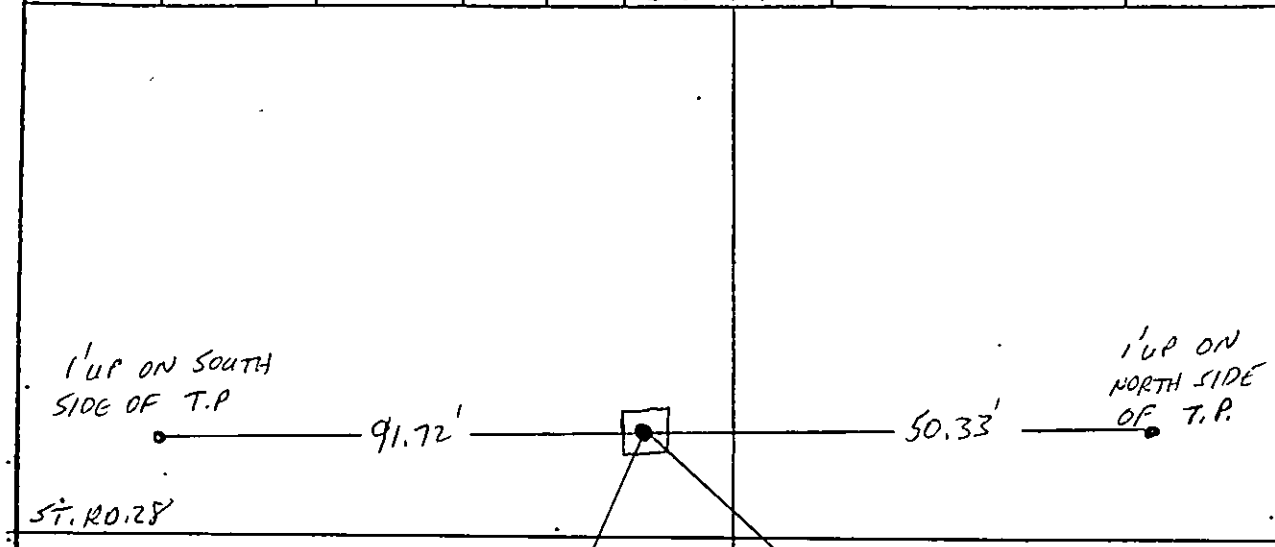
MARKER LOCATION

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
8	21	8			888.97	X=	Y=		



Tied by: RW/MC Date: 11/9/02

Drawn by: RW Date: 1/30/02

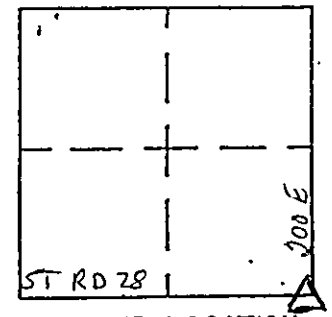
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE

BENCHMARK DESIGNATION

V-217



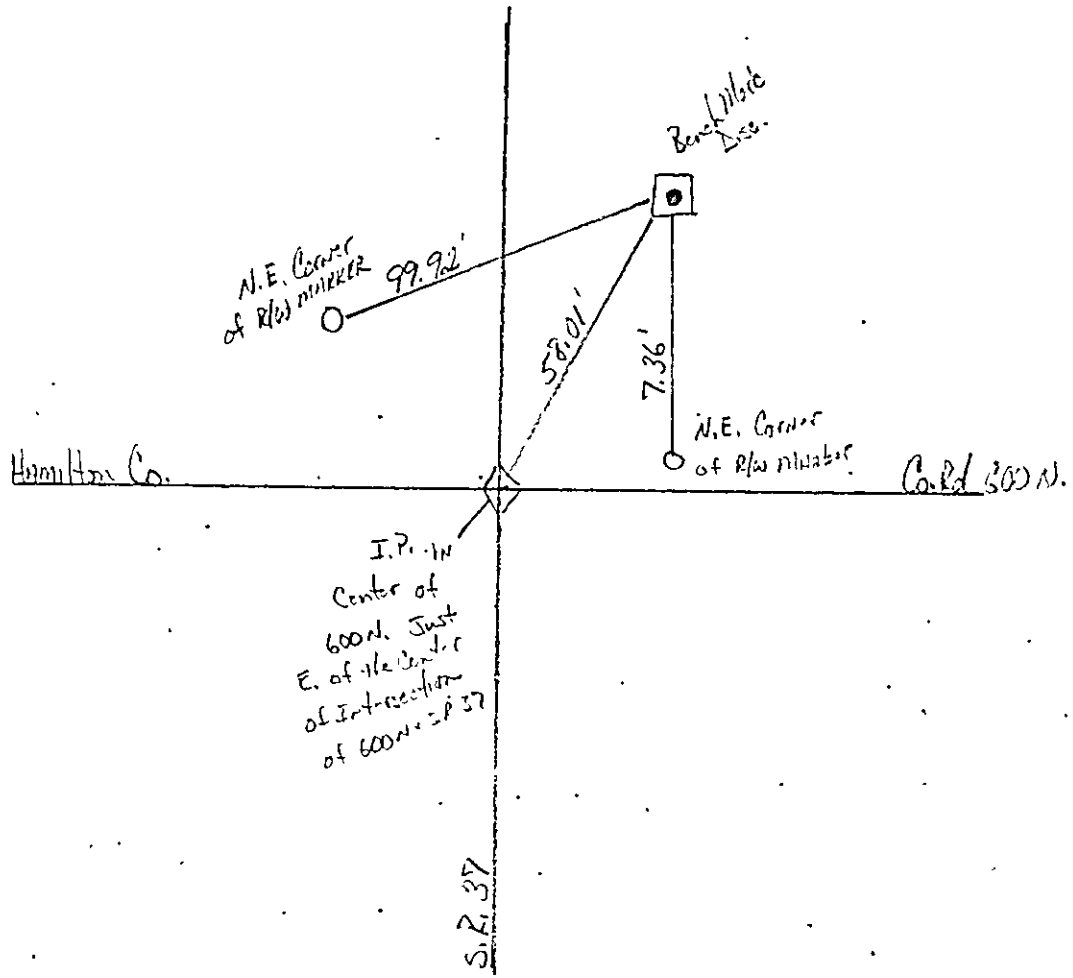
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
9	20	6			836.20	X=	Y=		



Tied by: M.C. & R.W. Date: 12-19-02

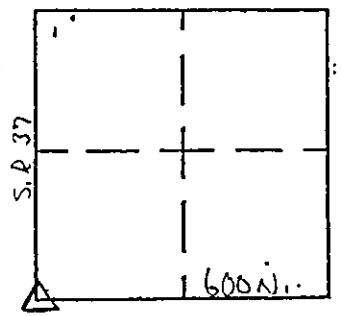
Drawn by: R.W. Date: 1-10-03

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

R-194

Disc Set in Concrete Post, 6" Above Ground Level,



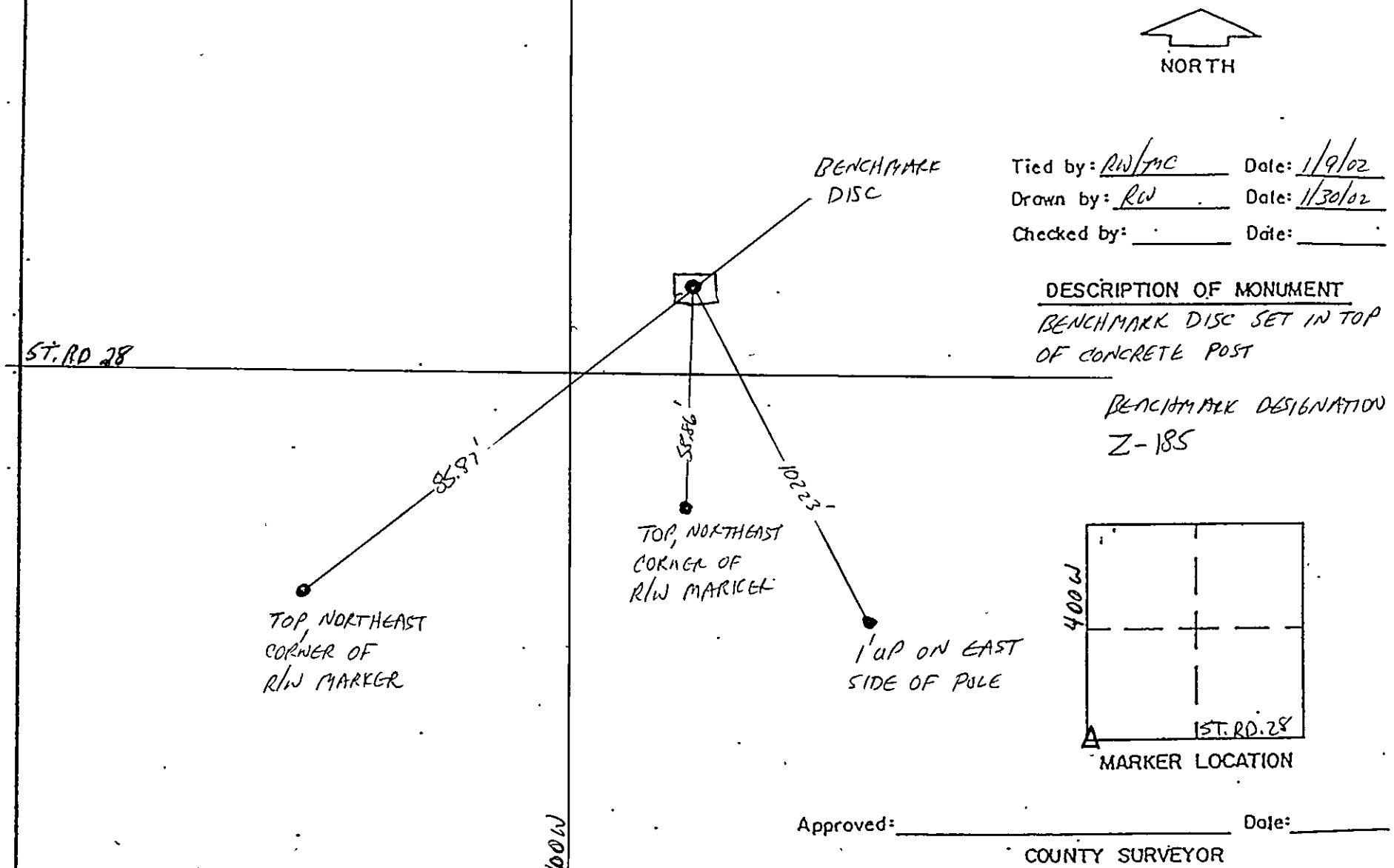
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
9	21	7			872.96	X=	Y=		



Tied by: RW/MC Date: 1/9/02

Drawn by: RW Date: 1/30/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF CONCRETE POST

BENCHMARK DESIGNATION

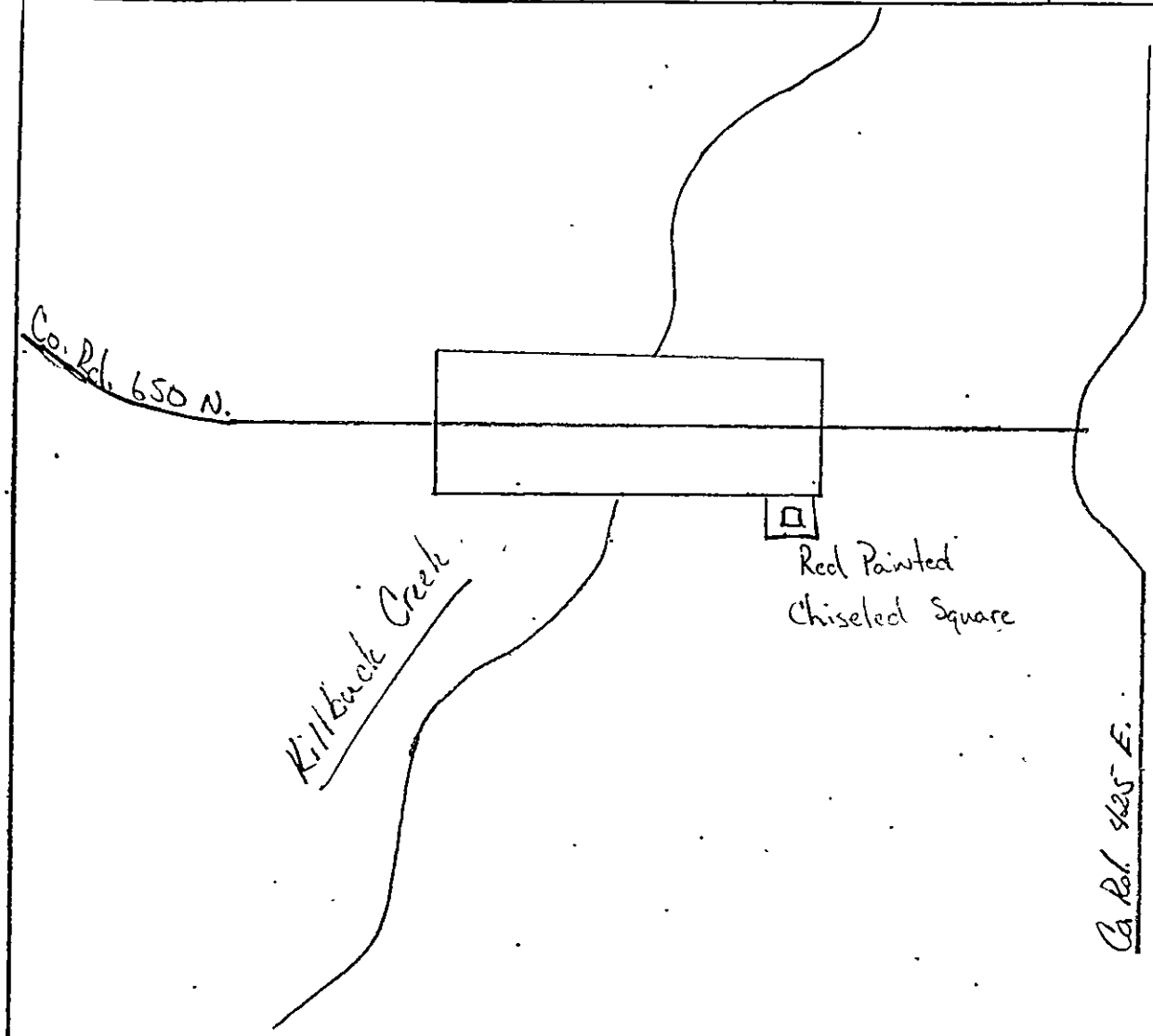
Z-185

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
11	20	8				X=	Y=		



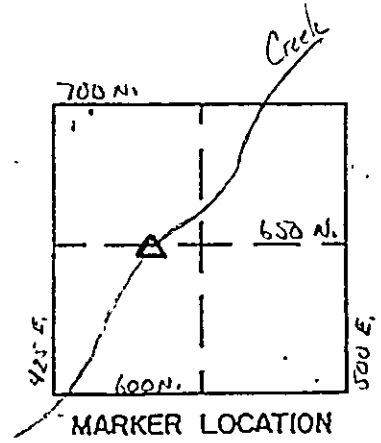
Tied by: M.C. + R.W. Date: 2-11-02

Drawn by: M.C. Date: 3-12-02

Checked by: Date:

DESCRIPTION OF MONUMENT

Red Painted chisel Square
in S.E. Concrete Abutment



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

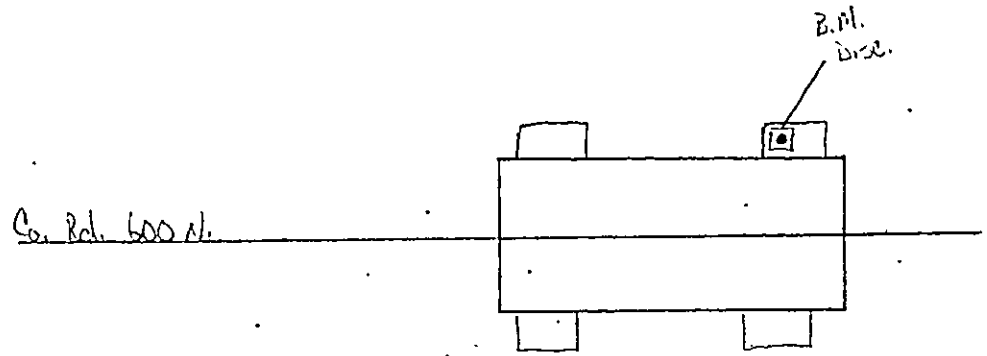
SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
10	20	8				X=	Y=		

NORTH

Tied by: P.C. & W Date: 1-11-02

Drawn by: R.W. Date: 1-30-02

Checked by: _____ Date: _____

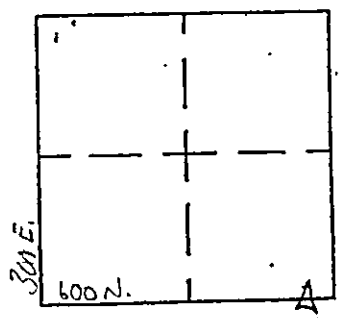


DESCRIPTION OF MONUMENT

Bench Mark Disc is Set in Wing Wall of Bridge over Killbuck Creek.

B-219

NOTE: Bench Mark Disc is Set in Top of the West end of the North East Wingwall: Disc Set in Such a manner that References were not able to be taken.



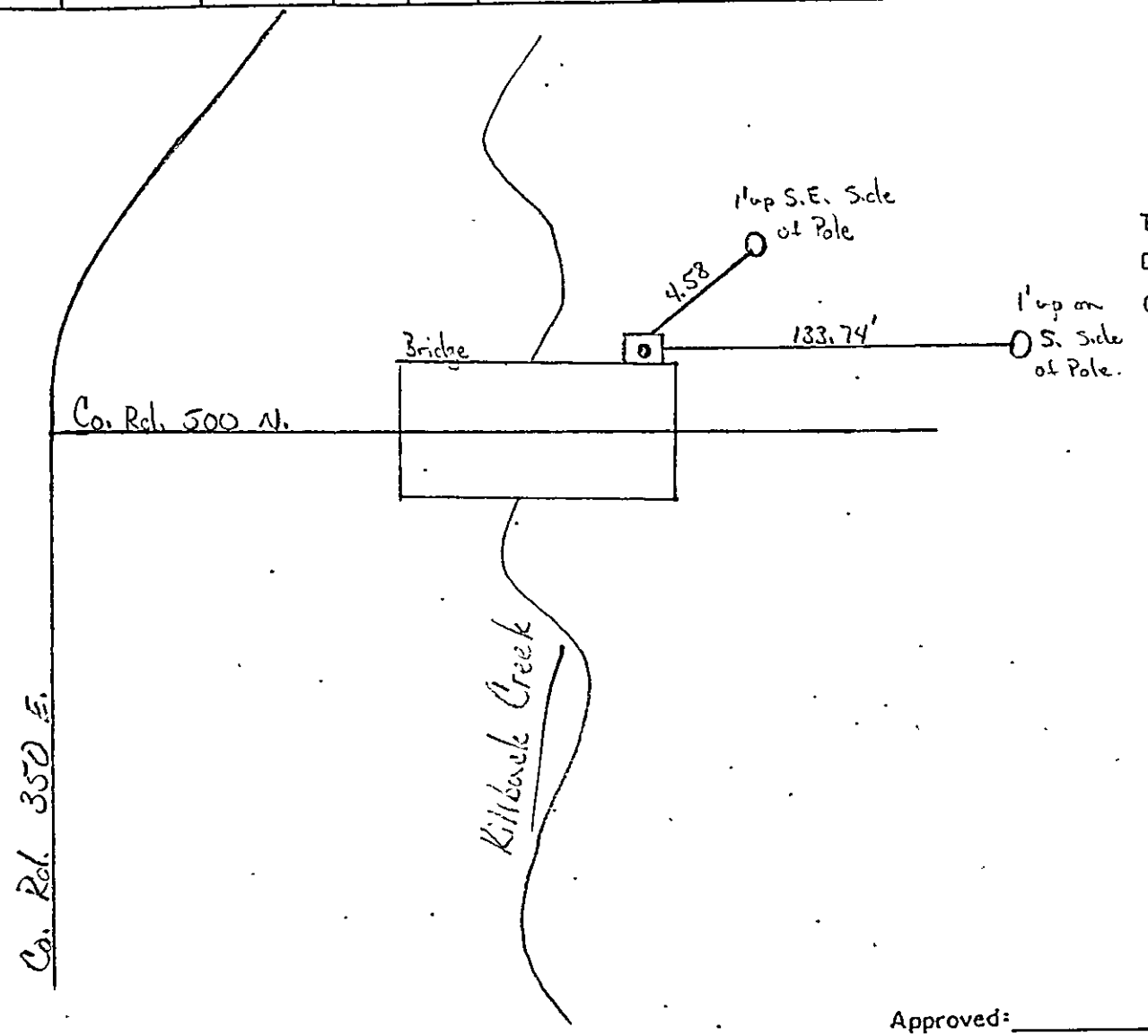
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		
15	20	8							



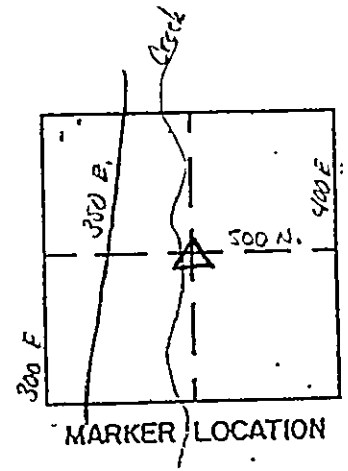
Tied by: M.C. R.W. Date: 2-11-02

Drawn by: M.C. Date: 3-12-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Painted Chisel Square on N.E. Wingwall

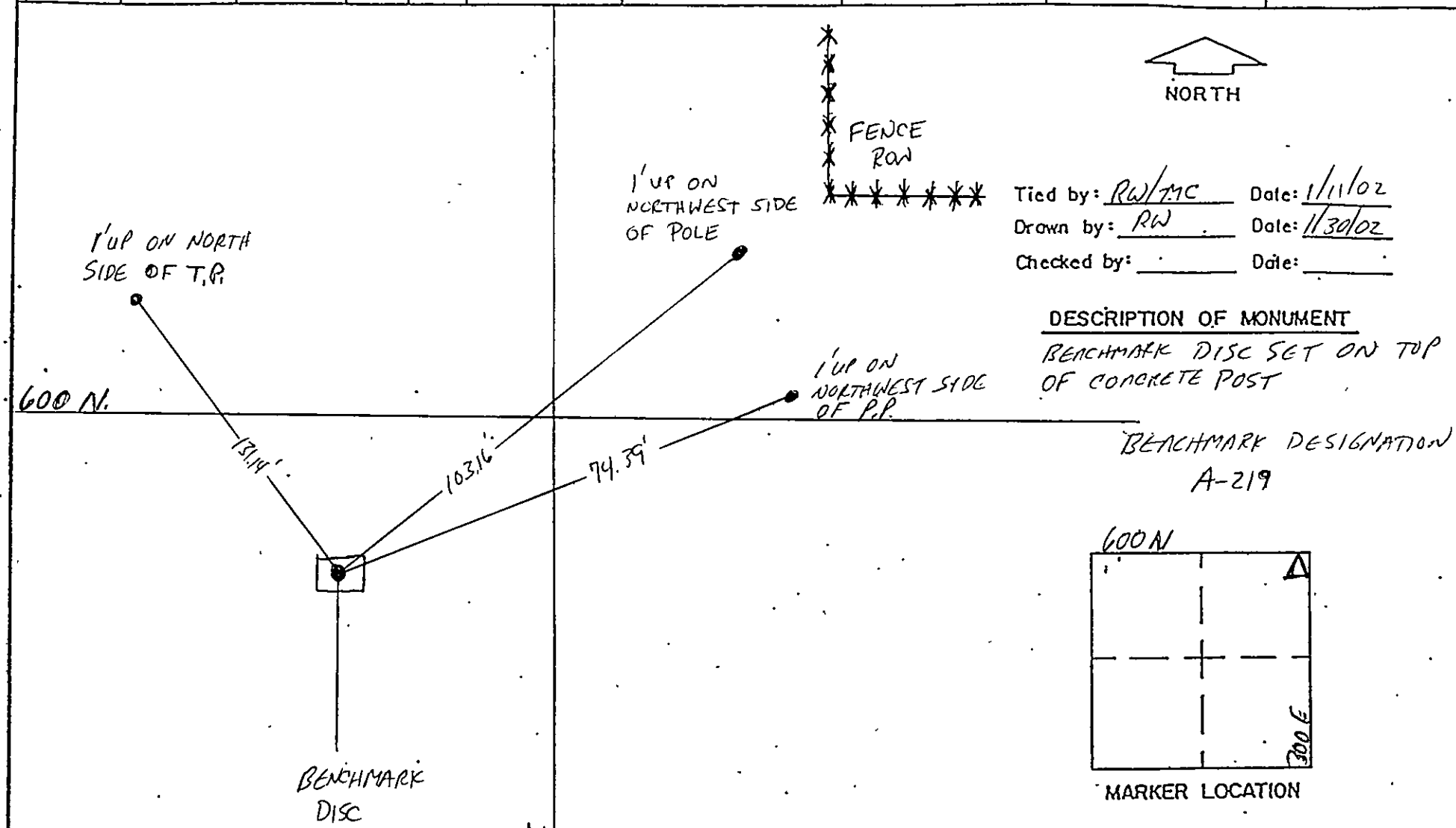


Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
16	20	8			884.31	X=	Y=		



Tied by: RW/MC Date: 1/11/02

Drawn by: RW Date: 1/30/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET ON TOP OF CONCRETE POST

BENCHMARK DESIGNATION

A-219

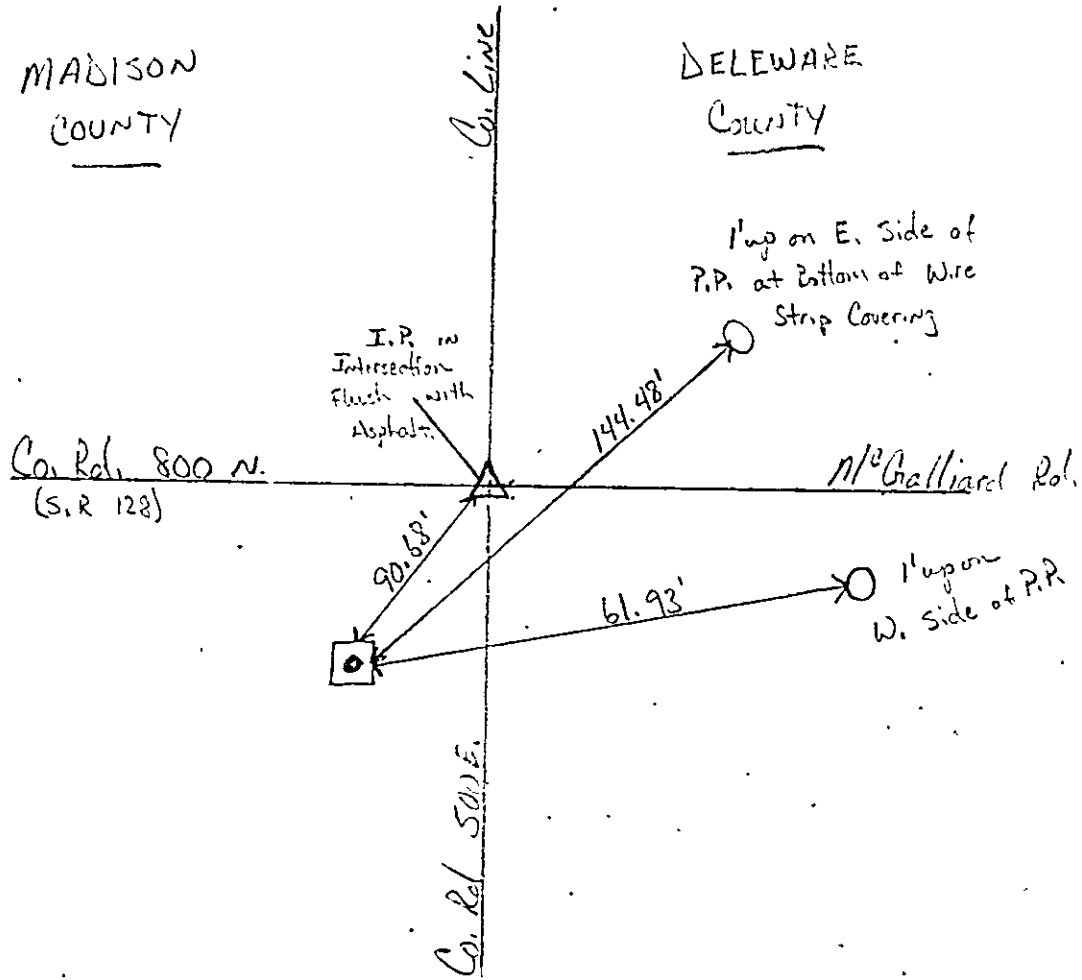
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
2	20	8				X=	Y=		



NORTH

Tied by: M.C. + R.W Date: 2-11-02

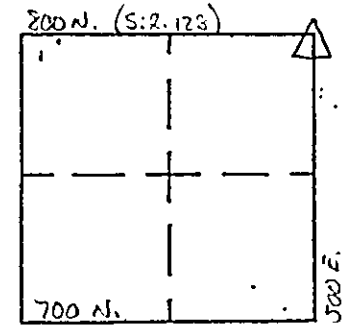
Drawn by: M.C. Date: 3-13-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

K-218

Disk in Concrete projecting 4" high. * Disk partially Damaged



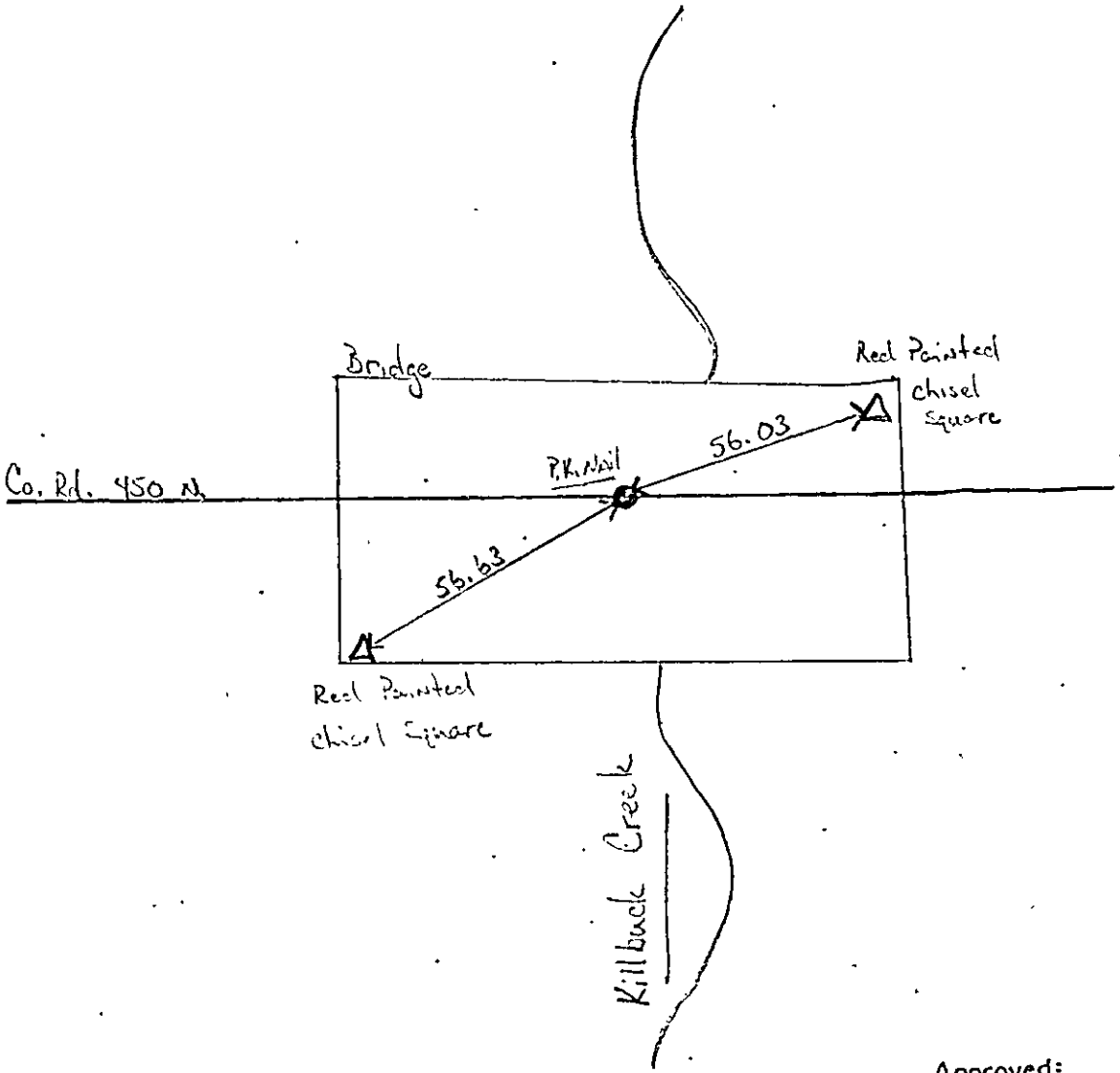
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		
22	20	8							



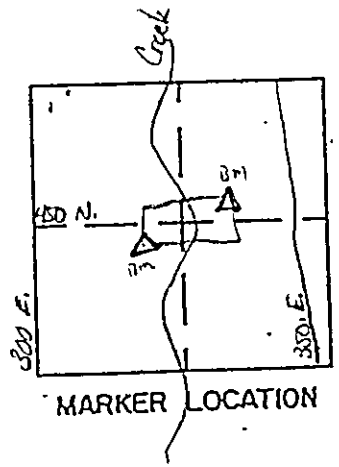
Tied by: M.C. D.W. Date: 2-11-02

Drawn by: M.C. Date: 3-12-01

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Red Painted Chiseled Square on Top of N. E. Wingwall, And S.W. wingwall.

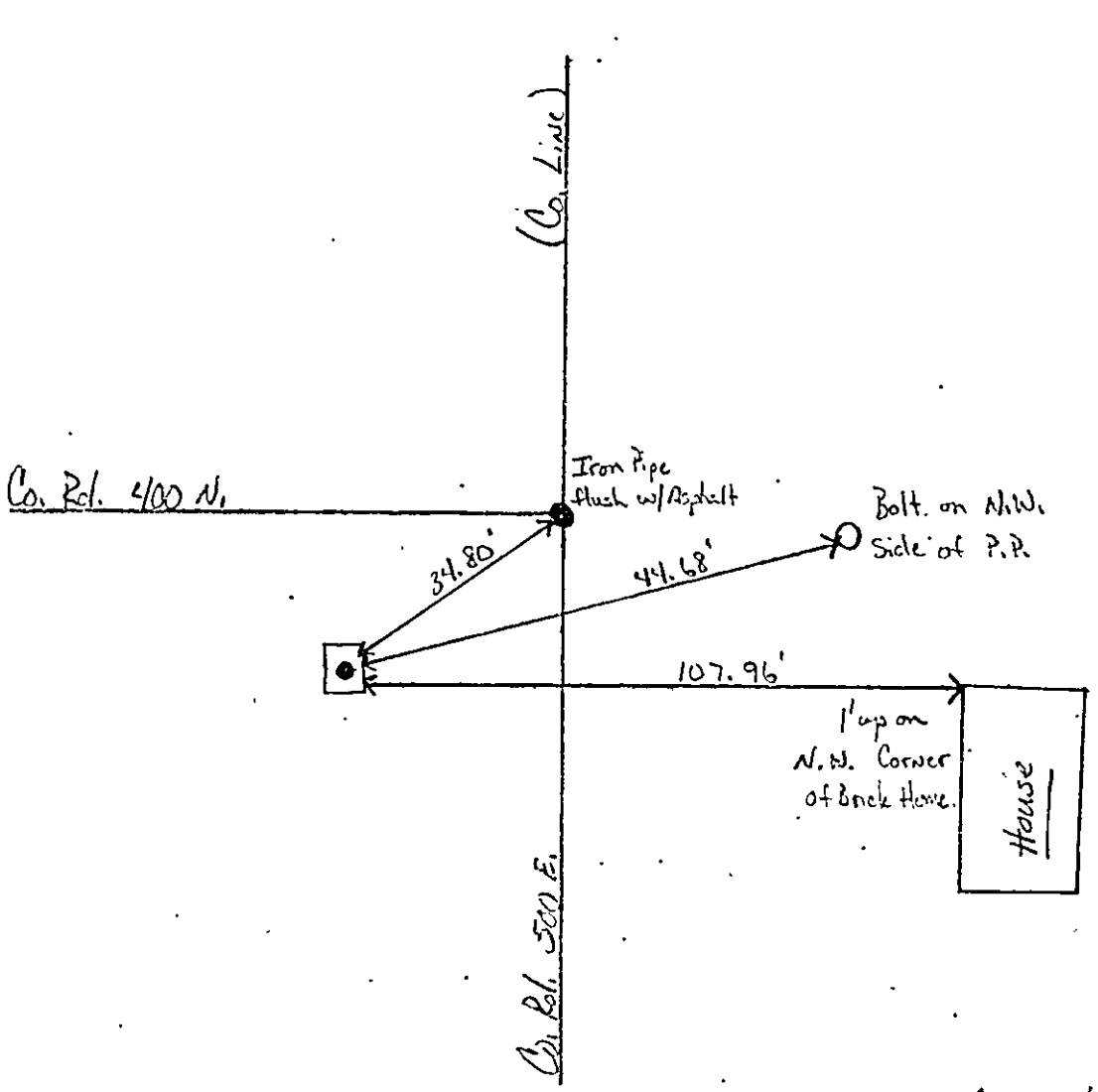


Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
26	20	8				X=	Y=		



Tied by: M.C. R.W. Date: 2-11-02

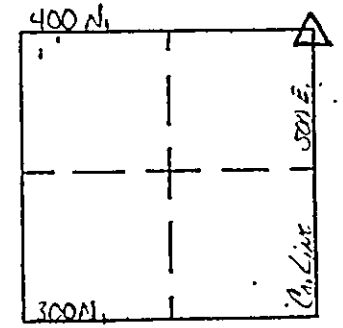
Drawn by: M.C. Date: 3-12-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

P-218

Disk Set in Concrete Square
Projecting 4" Above ground



MARKER LOCATION

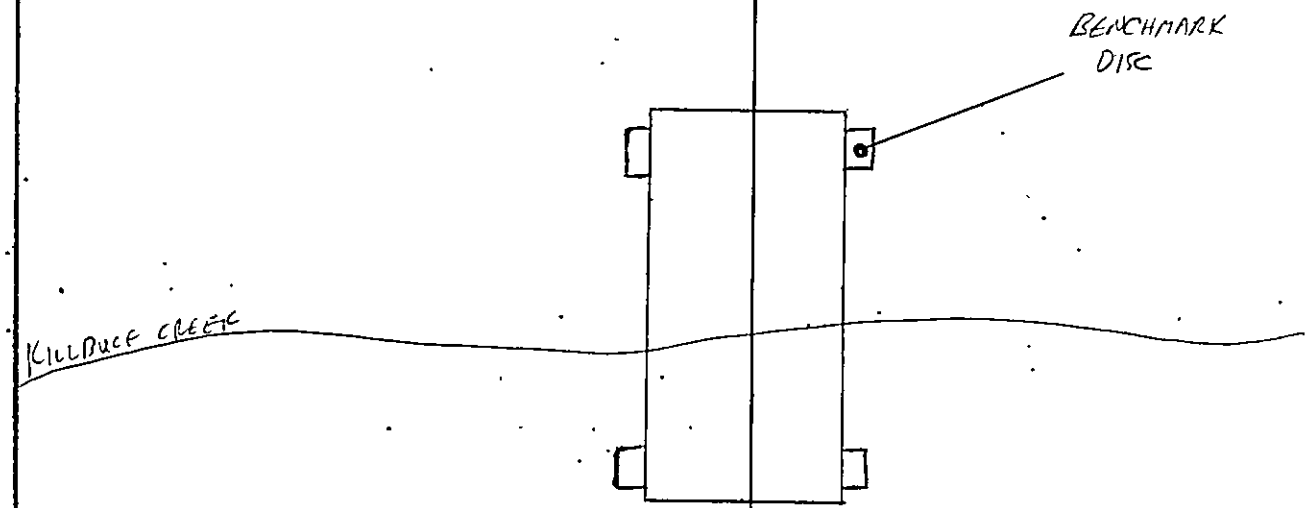
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
28	20	8				X=	Y=		

NORTH



Tied by: RW/MC Date: _____

Drawn by: RW Date: 3/12/02

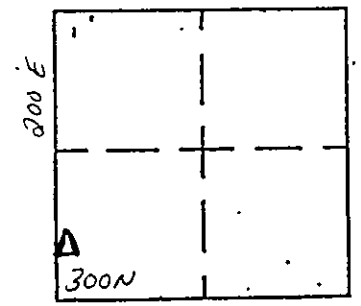
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN NORTH END OF NORTHEAST WING WALL

BENCHMARK DESIGNATION

MAD G-85



MARKER LOCATION

300 NORTH

200 EAST

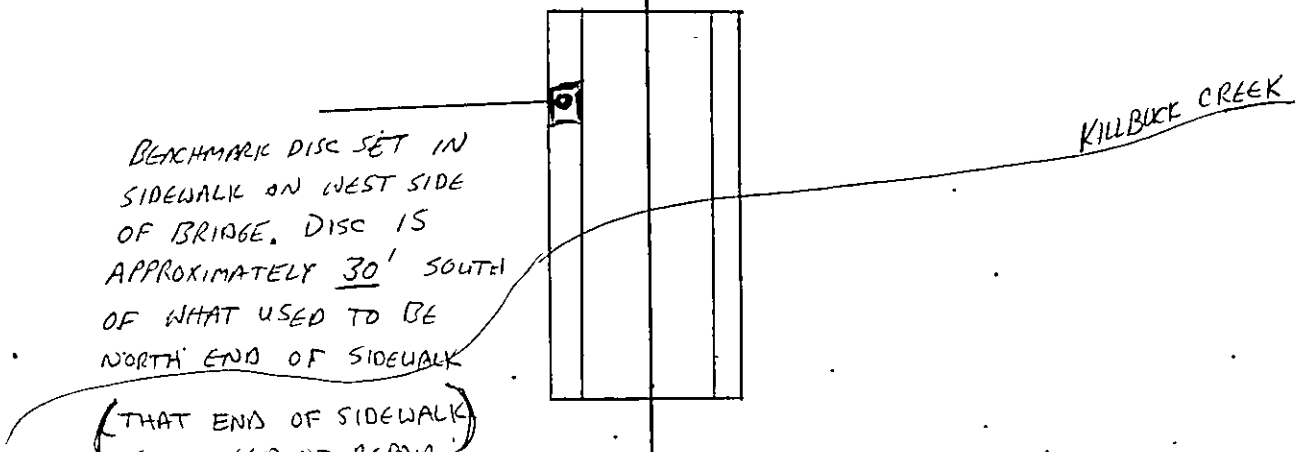
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
31	20	8				X=	Y=		

NORTH



BENCHMARK DISC SET IN SIDEWALK ON WEST SIDE OF BRIDGE. DISC IS APPROXIMATELY 30' SOUTH OF WHAT USED TO BE NORTH END OF SIDEWALK (THAT END OF SIDEWALK IS IN NEED OF REPAIR)

Tied by: RW/MC Date: 1/31/02

Drawn by: RW Date: 3/14/02

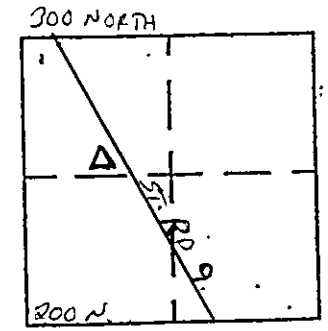
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN SIDEWALK ON WEST SIDE OF BRIDGE.

BENCHMARK DESIGNATION

MAD-660



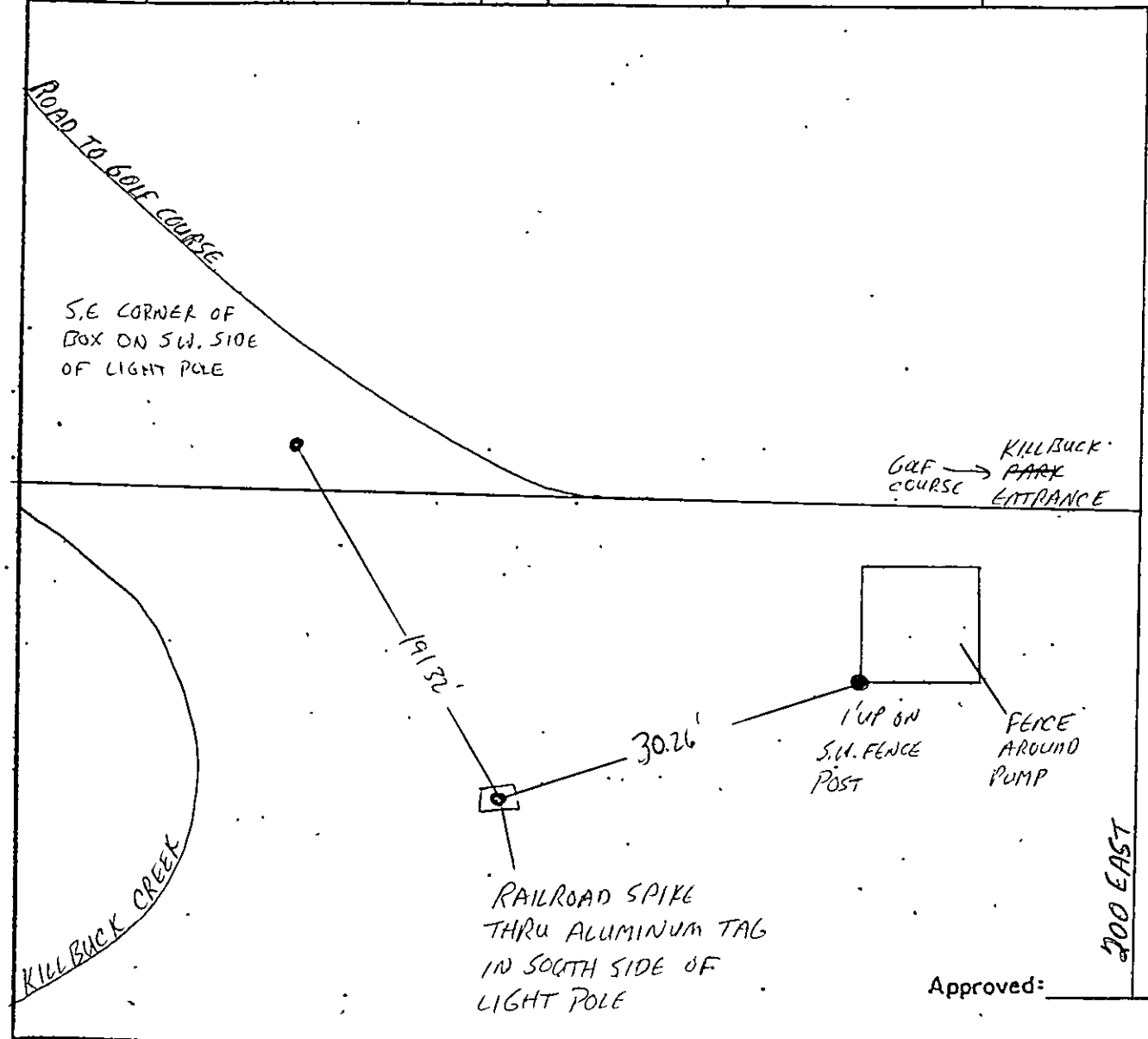
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
32.	20	8			847.395'	X=	Y=		



NORTH

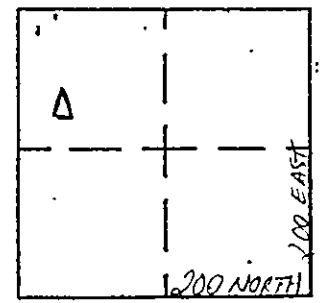
Tied by: RW/MC Date:

Drawn by: RW Date: 3/11/02

Checked by: Date:

DESCRIPTION OF MONUMENT

RAILROAD SPIKE THROUGH ALUMINUM TAG IN SOUTH SIDE OF LIGHT POLE



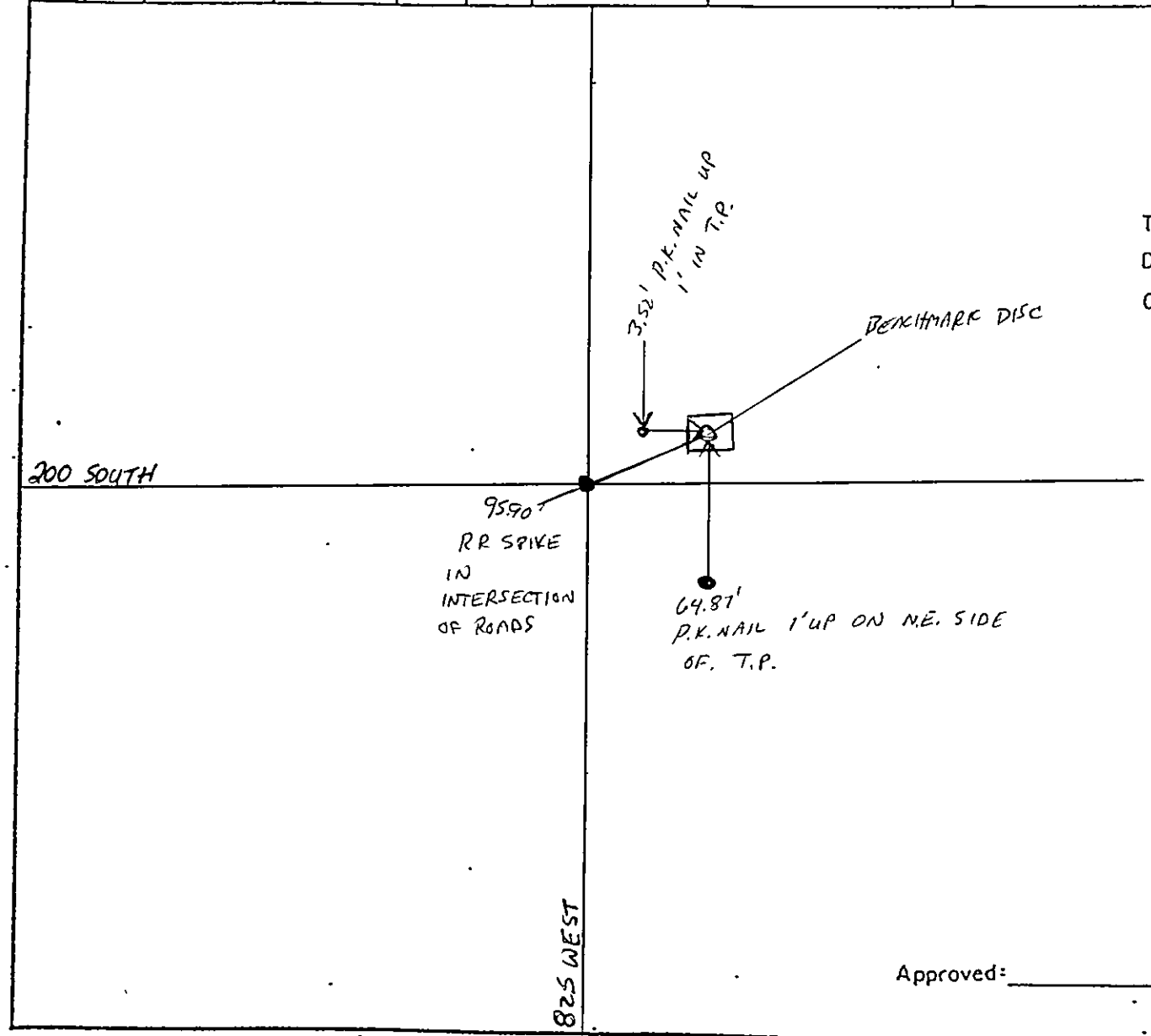
MARKER LOCATION

Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
22	19	6			866.47	X=	Y=		



Tied by: MC/RW Date: 12/11/2001

Drawn by: RW Date: 12/14/2001

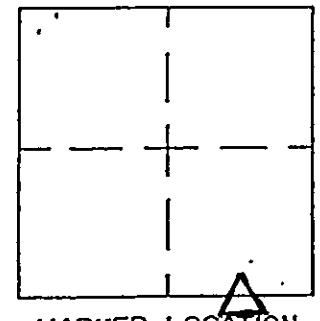
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX (6) INCHES ABOVE GROUND

BENCHMARK DESIGNATION

E-209

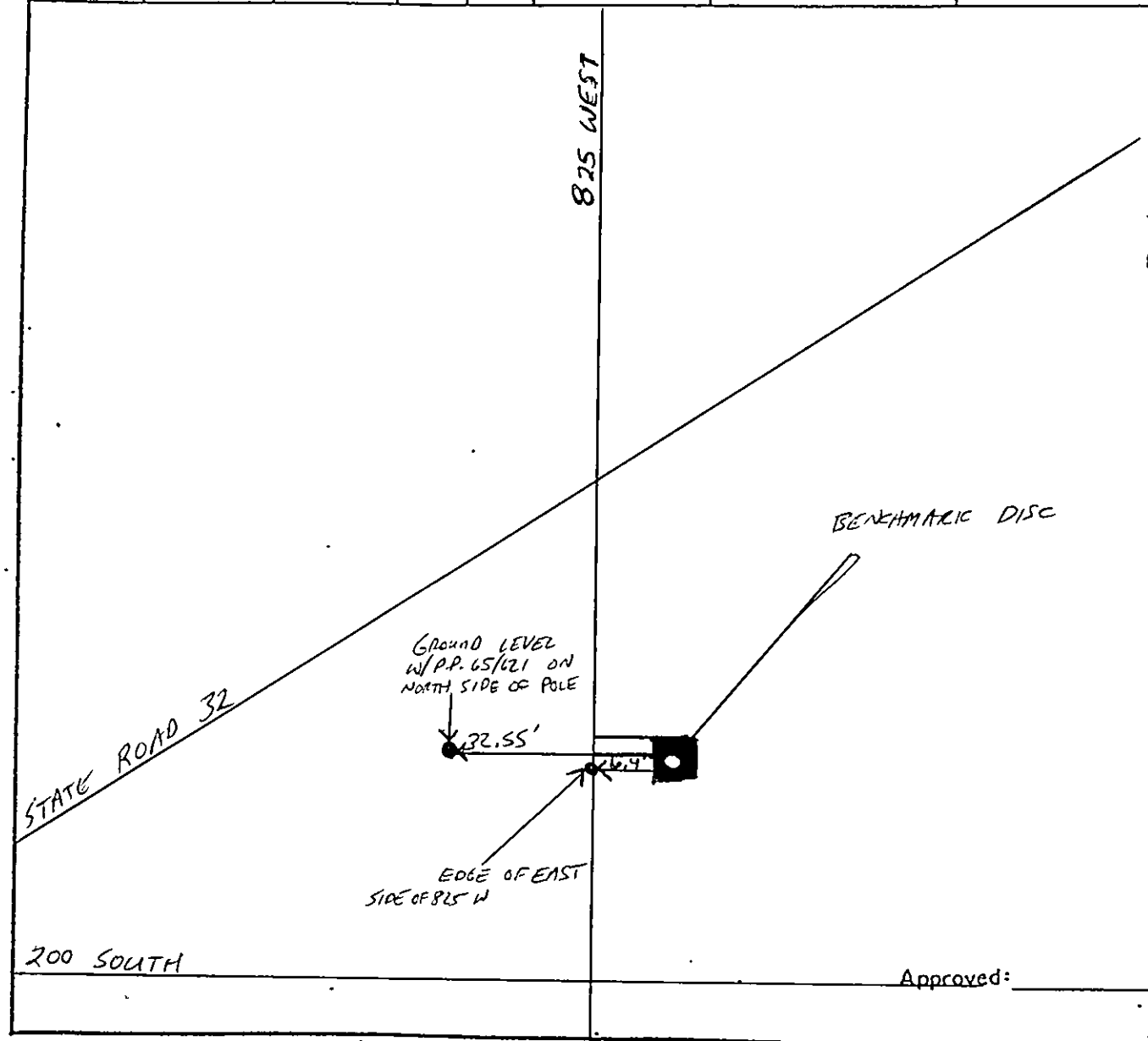


Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
22	19	6			860.76	X=	Y=		



NORTH

Tied by: MC/RW Date: 12/11/2001

Drawn by: RW Date: 12/14/2001

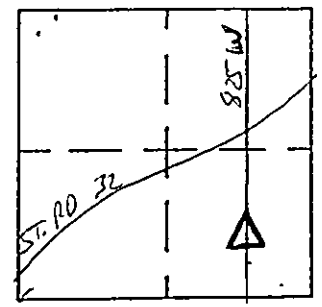
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX(6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

G-209



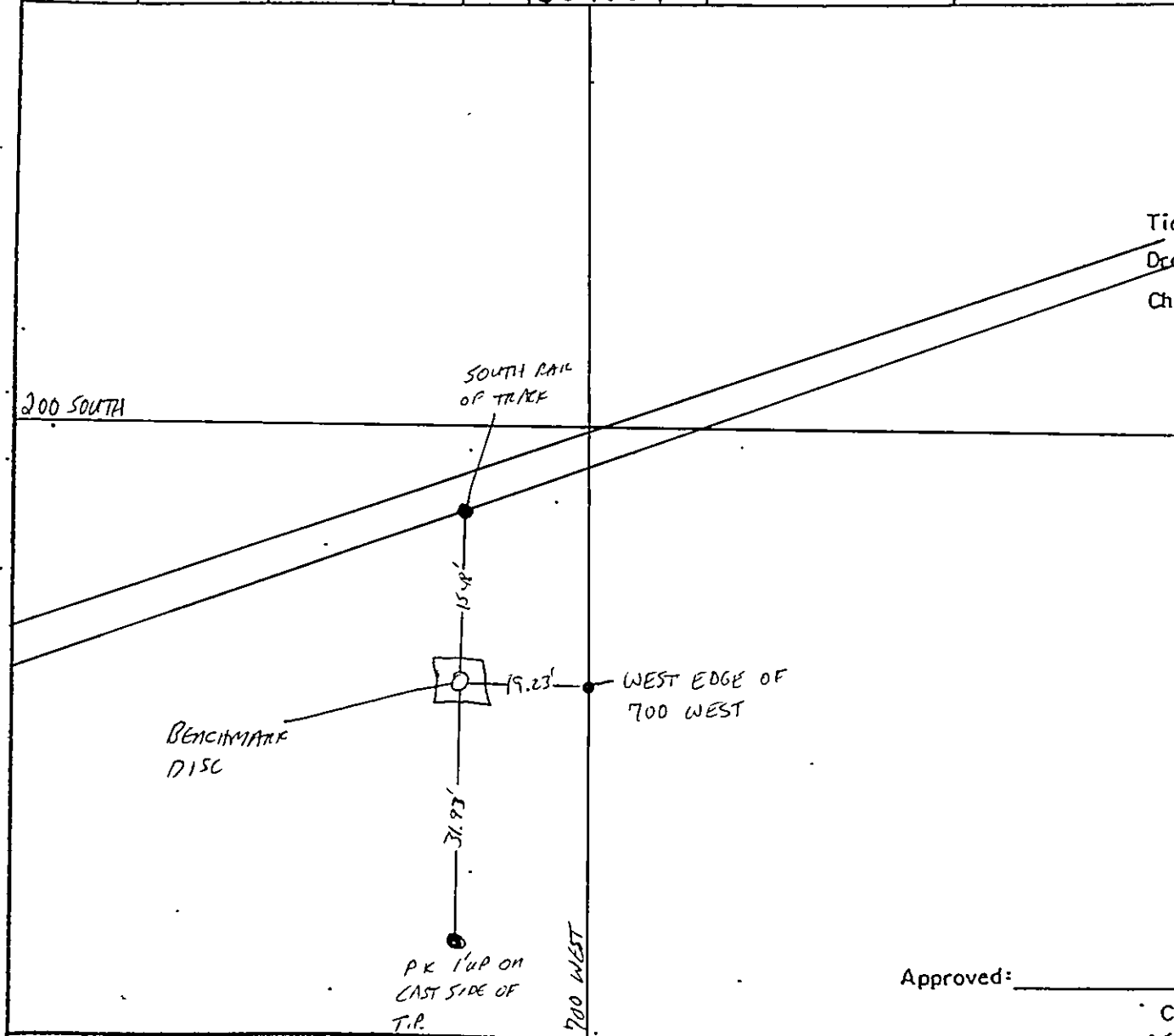
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
26	19	6			869.07	X=	Y=		



Tied by: MC/RW Date: 12/11/01

Drawn by: RW Date: 1/9/02

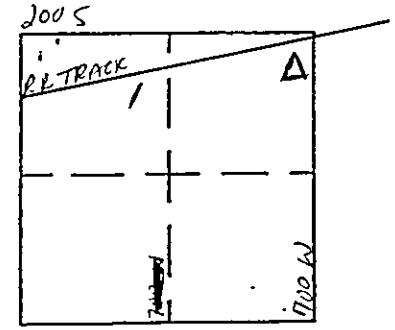
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST, SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

L-250



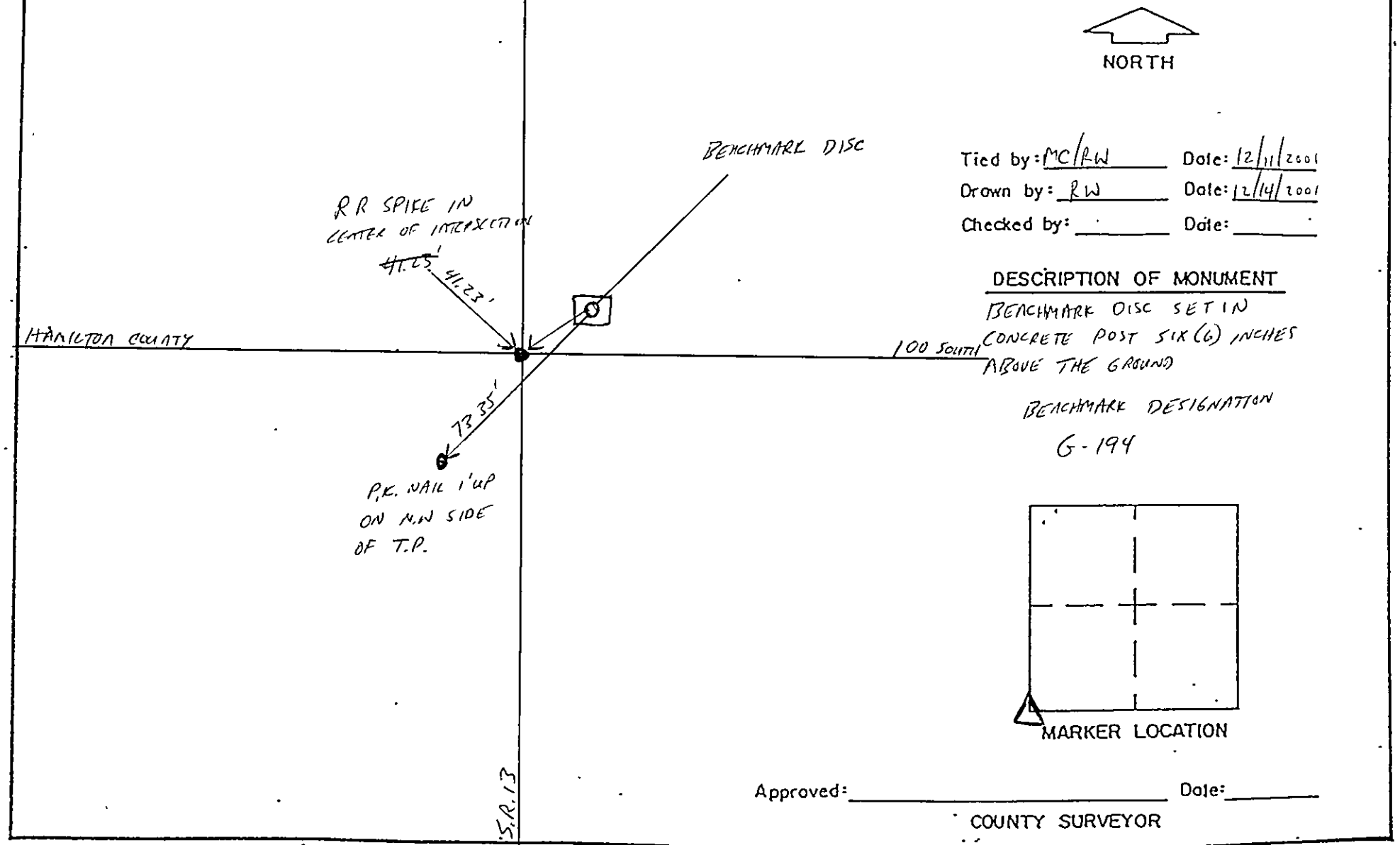
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
16	19	6			847.36	X=	Y=		



Tied by: MC/RW Date: 12/11/2001

Drawn by: RW Date: 12/14/2001

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

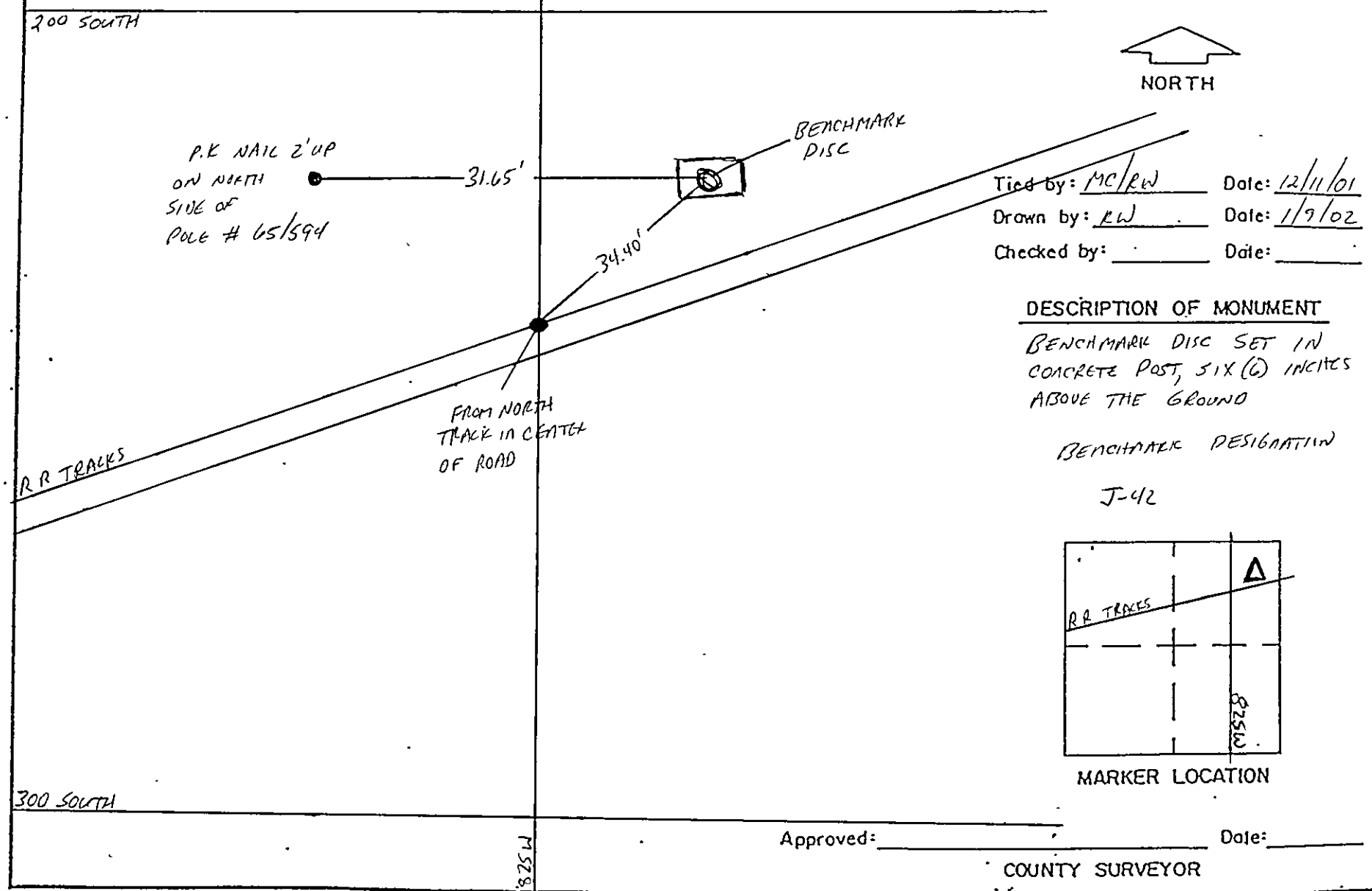
G-194

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
27	19	6			867.12	X=	Y=		



Tied by: MC/RW Date: 12/11/01

Drawn by: RW Date: 1/9/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST, SIX (6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

J-42

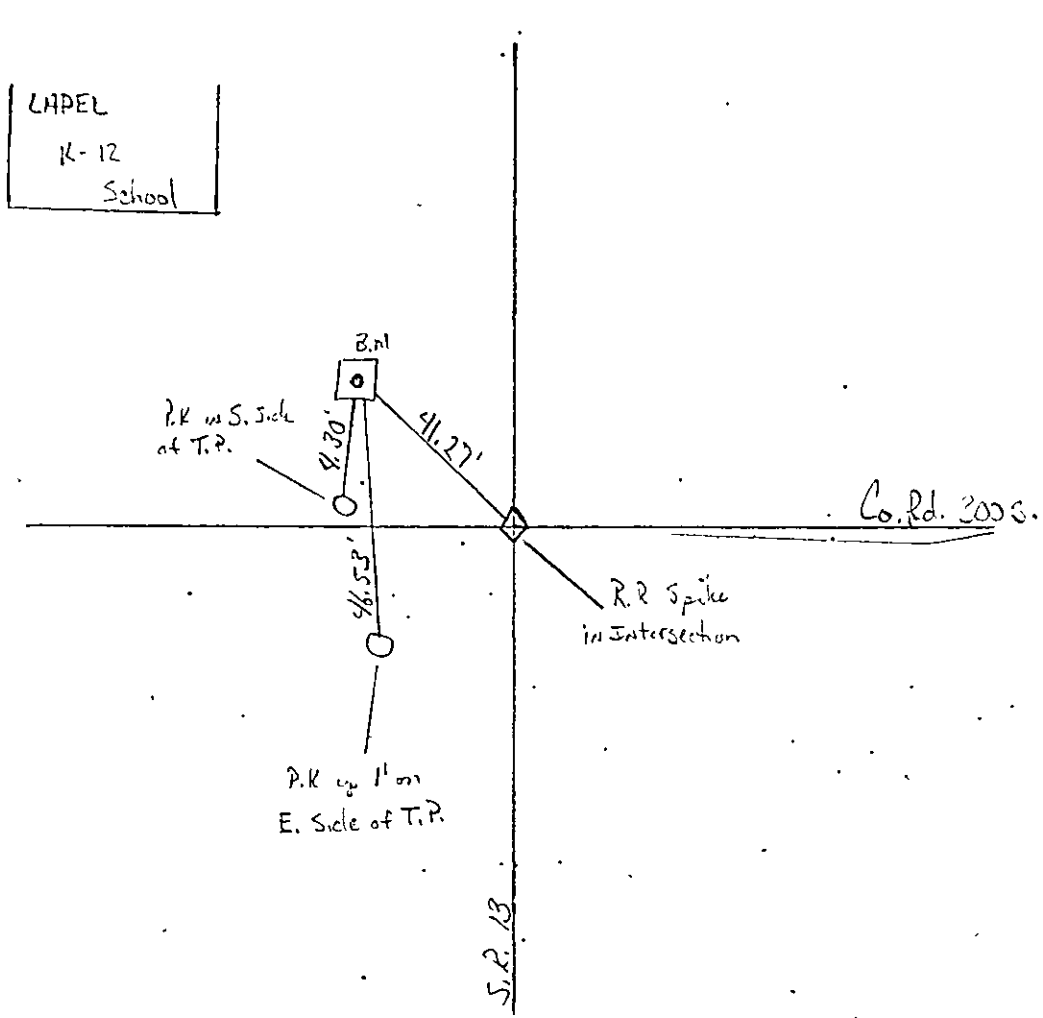
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
28	19	6			865.51	X=	Y=		



NORTH

Tied by: M.C. + R.W. Date: 12-10-2001

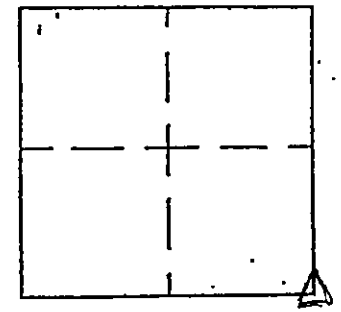
Drawn by: R.W. Date: 12-12-2001

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Benchmark Disk set in Concrete Post 6" Above the ground

B-236



MARKER LOCATION

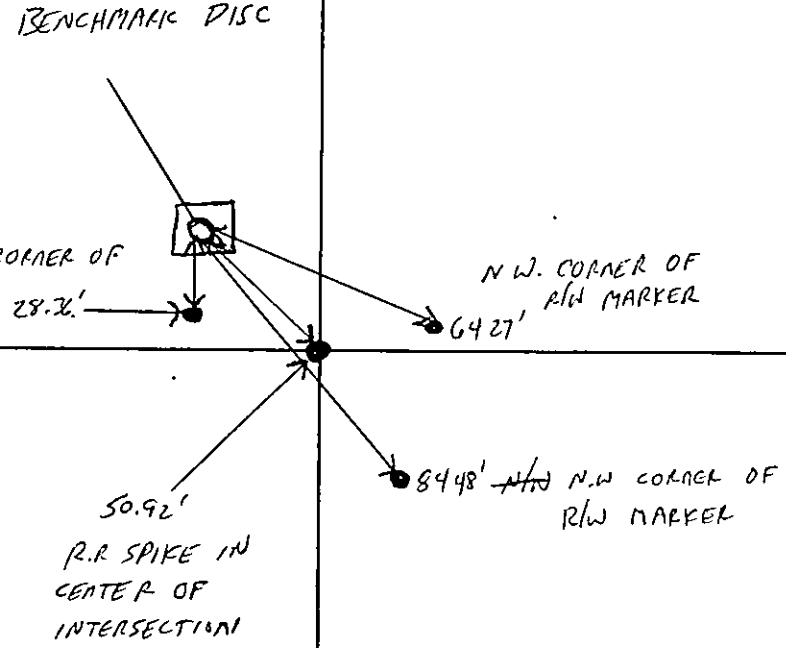
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		
4	18	6			857.12				

NORTH



Tied by: MC/RW Date: 12/11/2001

Drawn by: RW Date: 12/14/2001

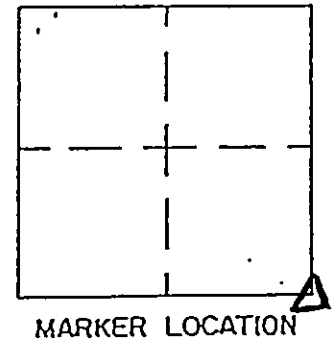
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN CONCRETE POST SIX(6) INCHES ABOVE THE GROUND

BENCHMARK DESIGNATION

D. 236



MARKER LOCATION

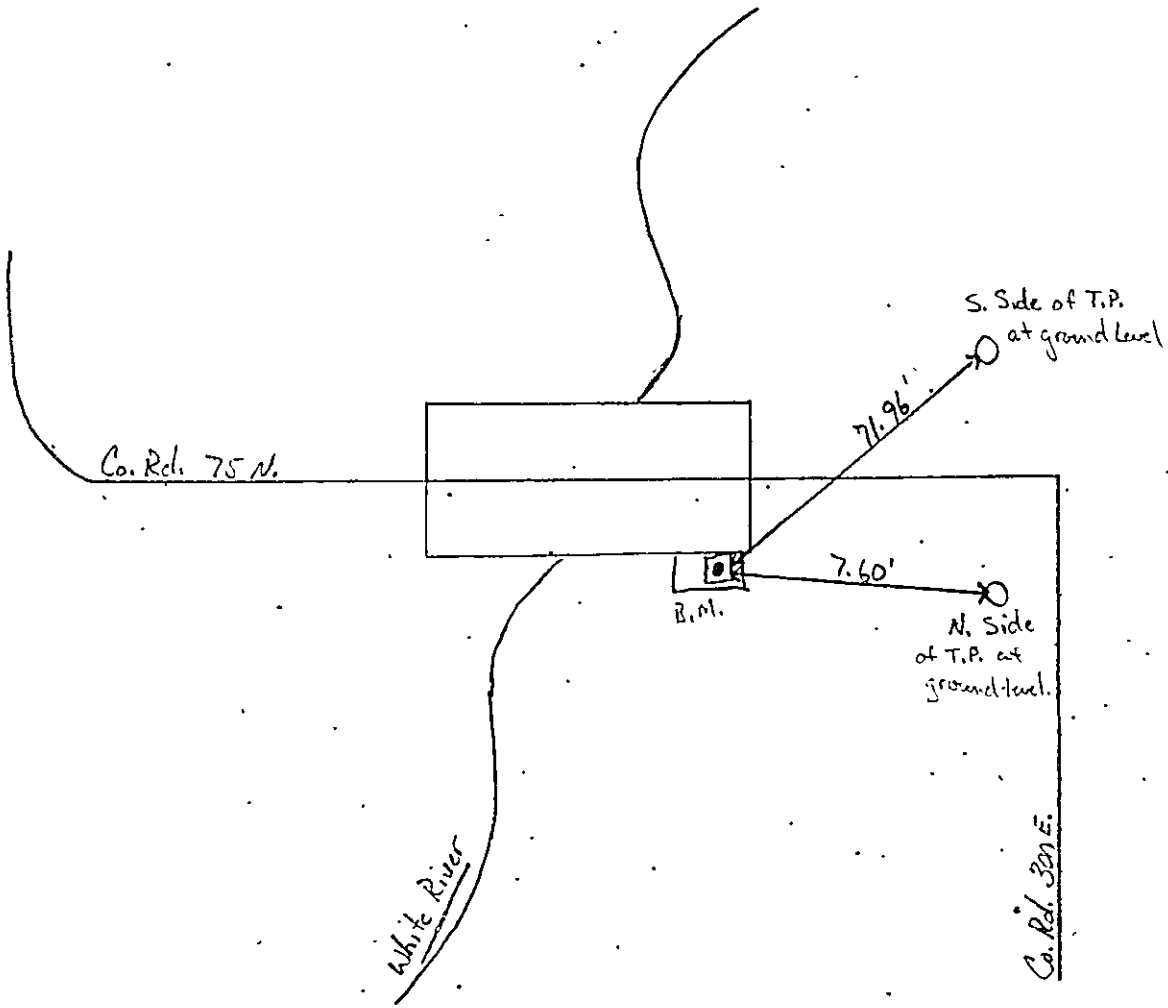
NOTE: CONCRETE POST TIPPED, PROBABLY BY FARM MACHINE OR REMOVAL OF FENCE LINE

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

ECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		
10	19	8							



Tied by: M.C. & R.W. Date: 2-19-02

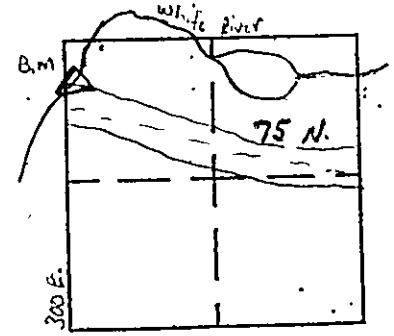
Drawn by: M.C. Date: 3-18-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

MAG 10 - 1989

Disk is Located on the South Side of Bridge on East Side of Bridge.



MARKER LOCATION

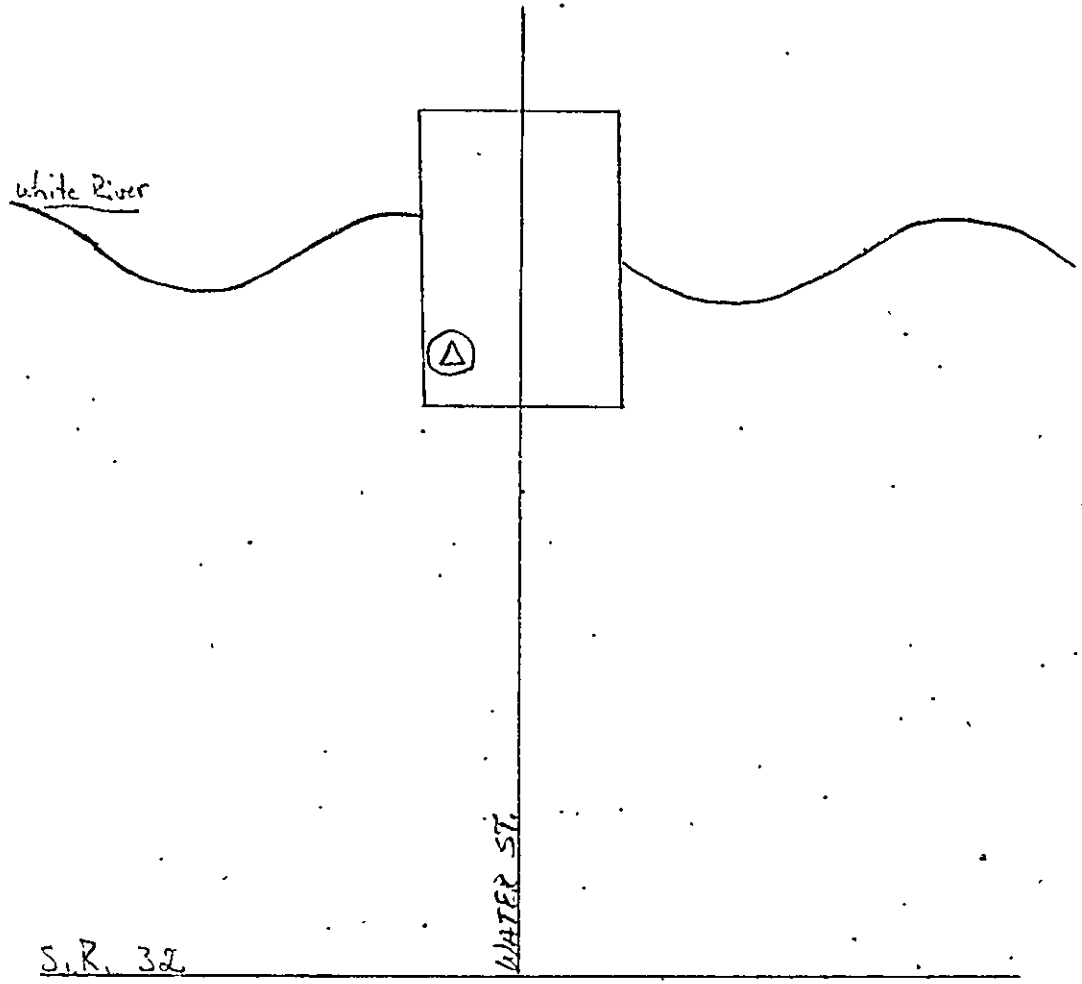
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
10	19	8				X=	Y=		

NORTH



Tied by: M.C.+R.W. Date: 2-19-02

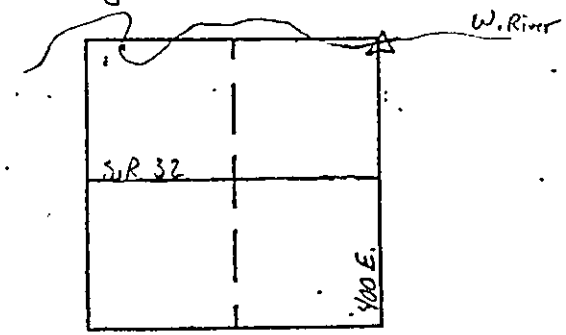
Drawn by: M.C. Date: 3-19-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Painted chiseled Triangle

chiseled Triangle is set in the South end of the West Bridge Curbing.



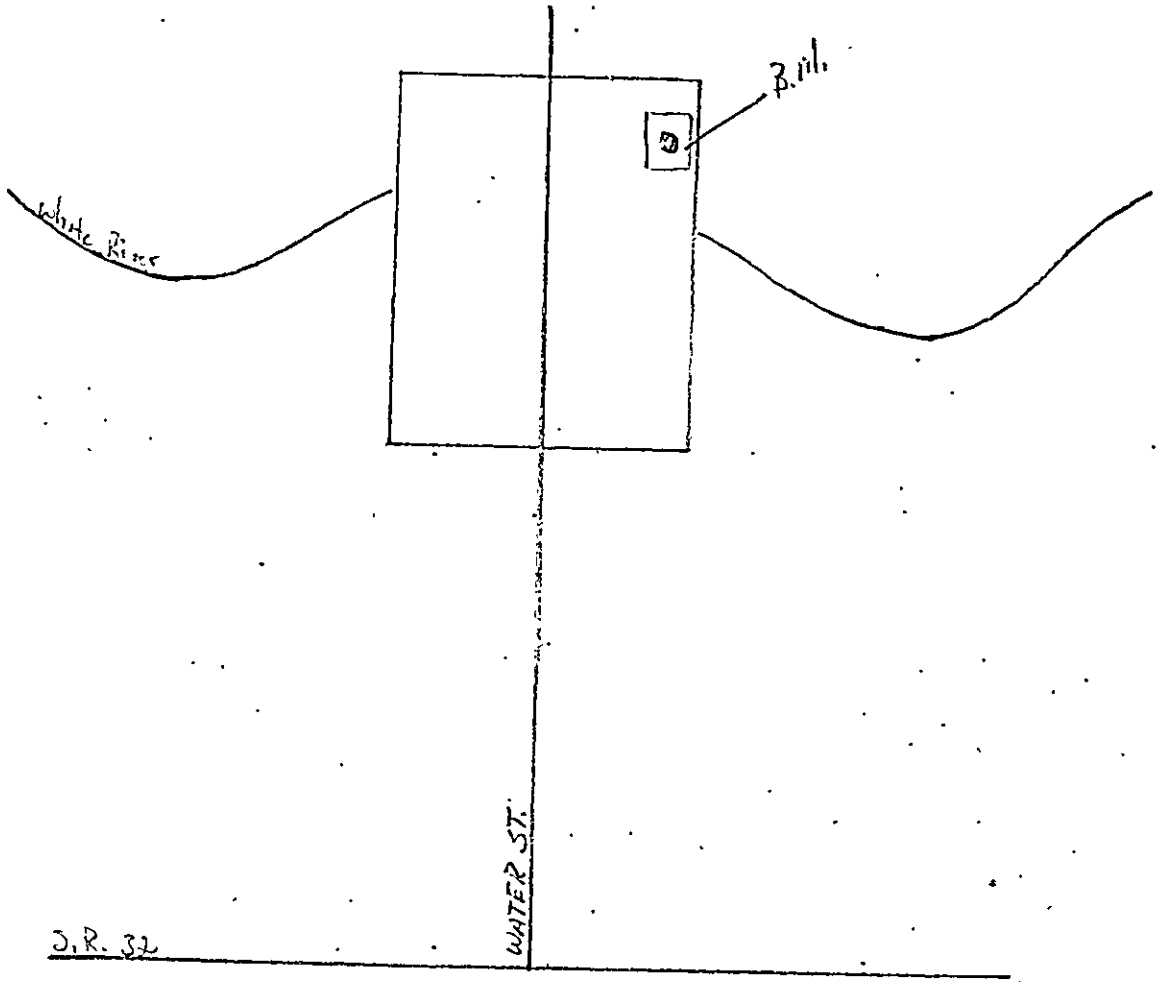
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
11	19	8			874.017	X=	Y=		



NORTH

Tied by: M.C. & R.W. Date: 2-19-02

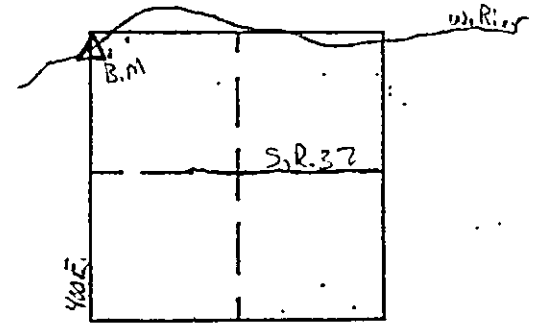
Drawn by: M.C. Date: 3-19-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

NAD 27

Bench Mark Disc is set in the North end of the East bridge Curbing.



MARKER LOCATION

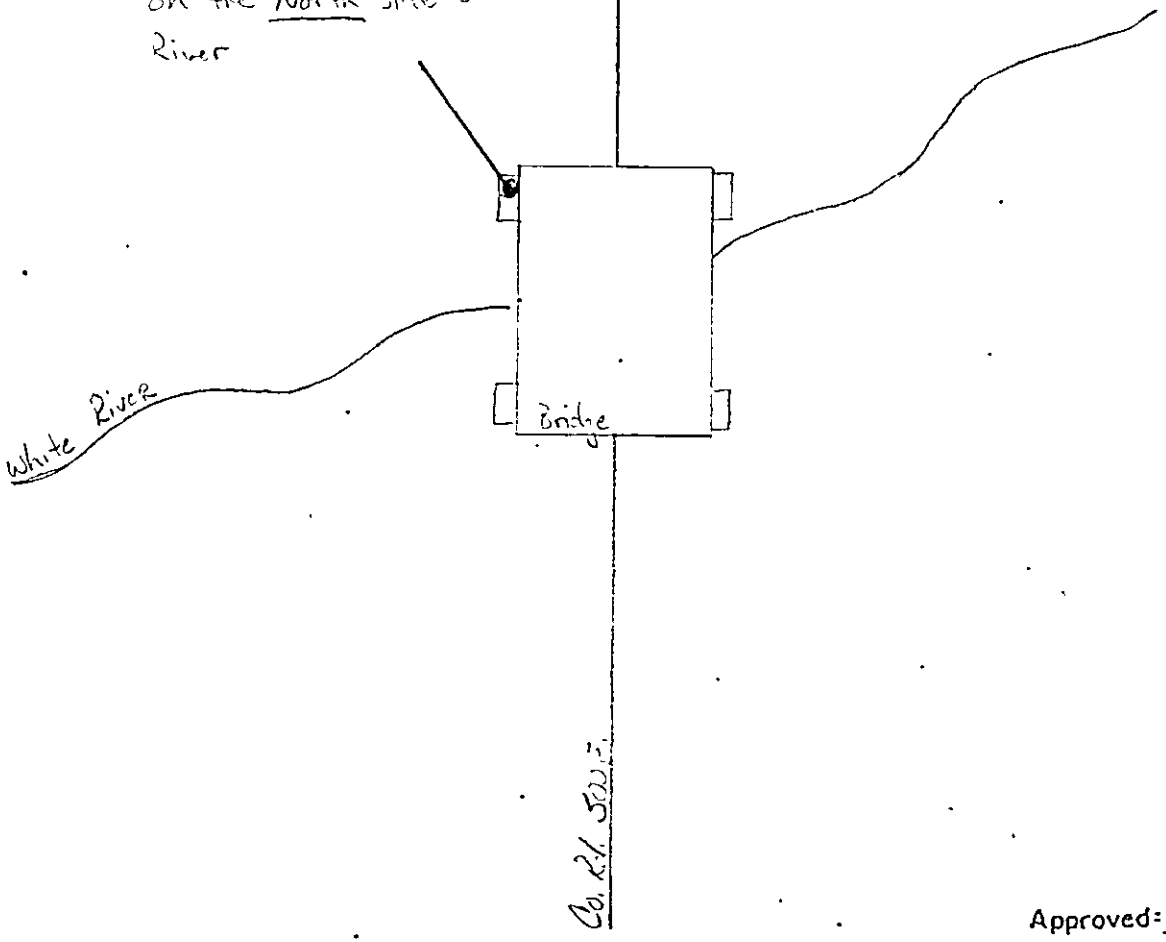
Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
2	19	8			869.87'	X=	Y=		

Bench Mark Disk is located on the North end of the West abutment on the North side of River



NORTH

Tied by: M.C., R.W Date: 1-11-02

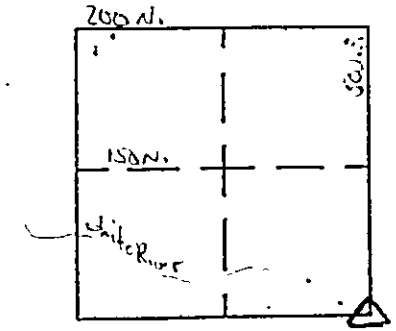
Drawn by: M.C. Date: 1-29-02

Checked by: Date:

DESCRIPTION OF MONUMENT

Bench Mark. S-212 (1978 Ch 71)

Disk in Concrete (illegible) Bridge



MARKER LOCATION

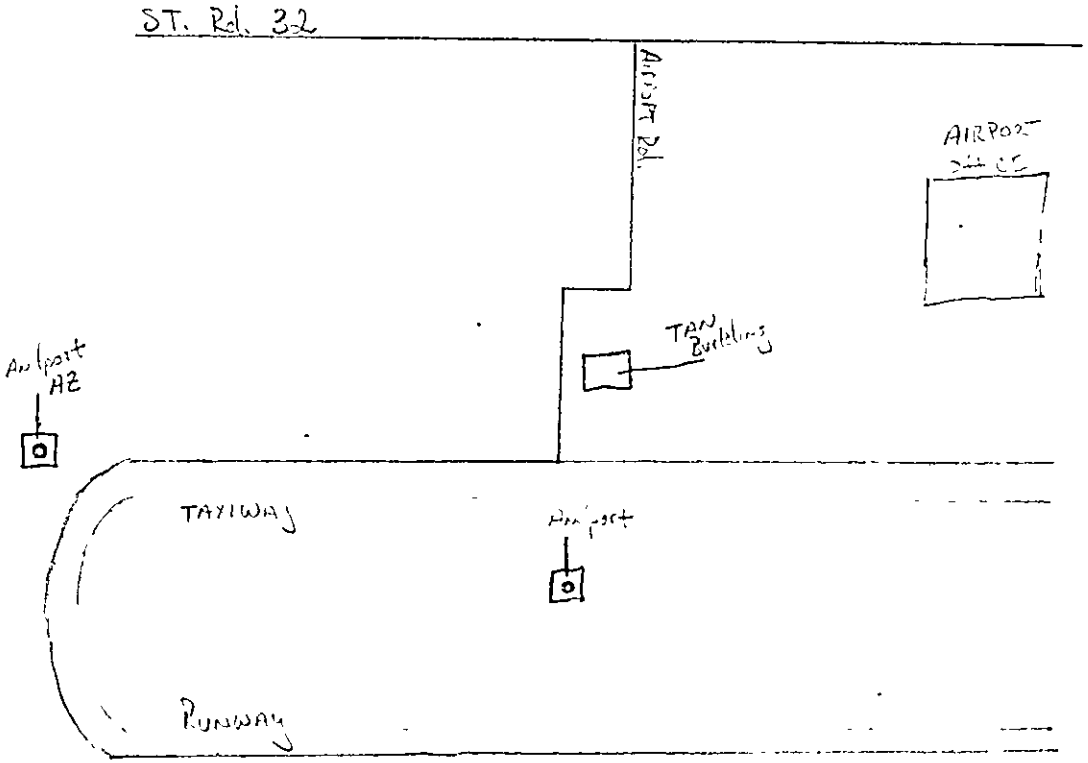
Approved: Date:

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
9	19	8			889 / 878	X=	Y=		
					Anchpnt / AZ				

NORTH



Tied by: N.C. - R.G. Date: 1-11-02

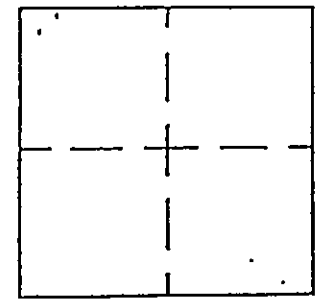
Drawn by: N.C. Date: 1-29-02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

Bench mark - Anchpnt & Anchpnt AZ

Both w/ disks set in 4" Concrete slab



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1272 **********
LA1272 DESIGNATION - V 234
LA1272 PID - LA1272
LA1272 STATE/COUNTY- IN/MADISON
LA1272 USGS QUAD - ANDERSON SOUTH
LA1272
LA1272 HORZ DATUM - NAD 83
LA1272 VERT DATUM - NAVD 88
LA1272
LA1272 POSITION - 40 00 32. (N) 085 44 16. (W) SCALED
LA1272 83 minus 27 - +00. -00. NADCON
LA1272
LA1272 HEIGHT - 265.664 (meters) 871.60 (feet) ADJUST
LA1272 88 minus 29 - -0.134 ADJ UNCHK
LA1272 **********
LA1272 GEOID HEIGHT- -34.03 GEOID93
LA1272 MODELED GRAV- 980,065.5 NAVD88
LA1272
LA1272 VERT ORDER - FIRST CLASS 2
LA1272
LA1272 The horizontal coordinates were scaled from a topographic map and have
LA1272 an estimated accuracy of +/- 6 seconds.
LA1272
LA1272 The orthometric height was determined by differential leveling
LA1272 and adjusted by the National Geodetic Survey in June 1991.
LA1272
LA1272 The geoid height was determined by GEOID93.
LA1272
LA1272 The modeled gravity was interpolated from observed gravity values.
LA1272
LA1272 STATION MARK IS A BENCH MARK DISK
LA1272 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1272 THE MARK IS STAMPED: V 234 1947
LA1272 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1272
LA1272 HISTORY - Year Condition Recov. By
LA1272 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1272
LA1272 STATION DESCRIPTION
LA1272
LA1272 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1272 ABOUT 0.6 MILE NORTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1272 THE STATION AT PENDLETON, ABOUT 3 RAILS SOUTH OF MILE POST
LA1272 255, SET IN THE TOP OF THE NORTH END OF THE WEST HEAD WALL OF
LA1272 A CONCRETE BRIDGE OVER FALL CREEK, 7.3 FEET WEST OF THE WEST
LA1272 RAIL AND ABOUT 1 FOOT BELOW THE TRACK.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1273 **********

LA1273 DESIGNATION - Q 4
LA1273 PID - LA1273
LA1273 STATE/COUNTY- IN/MADISON
LA1273 USGS QUAD - ANDERSON SOUTH
LA1273
LA1273 HORZ DATUM - NAD 83
LA1273 VERT DATUM - NAVD 88
LA1273
LA1273 POSITION - 40 01 28. (N) 085 44 08. (W) SCALED
LA1273 83 minus 27 - +00. -00. NADCON
LA1273
LA1273 HEIGHT - 267.685 (meters) 878.23 (feet) ADJUST
LA1273 88 minus 29 - -0.14 UNADJ DIF

LA1273 **********

LA1273 GEOID HEIGHT- -34.03 GEOID93
LA1273 MODELED GRAV- 980,066.9 NAVD88
LA1273
LA1273 VERT ORDER - FIRST CLASS 2
LA1273
LA1273 The horizontal coordinates were scaled from a topographic map and have
LA1273 an estimated accuracy of +/- 6 seconds.
LA1273
LA1273 The orthometric height was determined by differential leveling
LA1273 and adjusted by the National Geodetic Survey in June 1991.
LA1273
LA1273 The geoid height was determined by GEOID93.
LA1273
LA1273 The modeled gravity was interpolated from observed gravity values.
LA1273
LA1273 STATION MARK IS A BENCH MARK DISK
LA1273 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1273 THE MARK IS STAMPED: Q 4
LA1273 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1273 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1273

LA1273 HISTORY	- Year	Condition	Recov. By
LA1273 HISTORY	- UNK	STATION MONUMENTED	NATIONAL GEODETIC SURVEY
LA1273 HISTORY	- 1935	GOOD	INDIANA HIGHWAY DEPARTMENT
LA1273 HISTORY	- 1947	POOR	NATIONAL GEODETIC SURVEY

LA1273
LA1273 STATION DESCRIPTION
LA1273
LA1273 DESCRIBED BY INDIANA HIGHWAY DEPARTMENT 1935
LA1273 ABOUT 1.5 MI. EAST OF PENDELTON MADISON CO. ALONG THE C.C.C. AND
LA1273 ST. L. RR. AT MILE POST 254, 50 METERS (164 FT.) WEST OF GOULS
LA1273 CROSSING 25 METERS (83 FT) SOUTH OF THE TRACKS. A CONCR. POST WITH
LA1273 DISK IN TOP.
LA1273
LA1273 STATION RECOVERY (1947)
LA1273
LA1273 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1947
LA1273 MARK RECOVERED IN POOR CONDITION.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1274 **********

LA1274 DESIGNATION - Q 4 RESET 1947
LA1274 PID - LA1274
LA1274 STATE/COUNTY- IN/MADISON
LA1274 USGS QUAD - ANDERSON SOUTH
LA1274
LA1274 HORZ DATUM - NAD 83
LA1274 VERT DATUM - NGVD 29
LA1274
LA1274 POSITION - 40 01 28. (N) 085 44 08. (W) SCALED
LA1274 83 minus 27 - +00. -00. NADCON
LA1274
LA1274 HEIGHT - 267.819 (meters) 878.67 (feet) ADJ UNCHK
LA1274 88 minus 29 - -0.13 VERTCON

LA1274 **********

LA1274 GEOID HEIGHT- -34.03 GEOID93
LA1274
LA1274 VERT ORDER - ?
LA1274
LA1274 The horizontal coordinates were scaled from a topographic map and have
LA1274 an estimated accuracy of +/- 6 seconds.
LA1274
LA1274 The orthometric height was key entered from printed documents
LA1274 and not key verified.
LA1274
LA1274 The geoid height was determined by GEOID93.
LA1274
LA1274 STATION MARK IS A BENCH MARK DISK
LA1274 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1274 THE MARK IS STAMPED: Q 4 ELEV 878.702 FT RESET 1947
LA1274 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1274 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1274
LA1274 HISTORY - Year Condition Recov. By
LA1274 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1274
LA1274 STATION DESCRIPTION
LA1274
LA1274 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1274 ABOUT 1.6 MILES NORTHEAST ALONG THE NEW YORK CENTRAL RAILROAD
LA1274 FROM THE STATION AT PENDLETON, AT A GRAVEL CROSS ROAD, 255
LA1274 FEET NORTHEAST AND ACROSS THE TRACKS FROM MILE POST 254, 33.5
LA1274 FEET SOUTHEAST OF THE SOUTHEAST RAIL, 123 FEET SOUTHWEST OF THE
LA1274 CENTER LINE OF THE GRAVEL ROAD, 11.5 FEET NORTHWEST OF THE
LA1274 FENCE LINE, 12 FEET SOUTH OF POLE 253/51, 1.5 FEET NORTHWEST OF
LA1274 A WHITE WOODEN WITNESS POST, ABOUT LEVEL WITH THE TRACK AND
LA1274 SET IN THE TOP OF A STONE POST PROJECTING 18 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1275 **********

LA1275 DESIGNATION - U 234
LA1275 PID - LA1275
LA1275 STATE/COUNTY- IN/MADISON
LA1275 USGS QUAD - ANDERSON SOUTH
LA1275
LA1275 HORZ DATUM - NAD 83
LA1275 VERT DATUM - NAVD 88
LA1275
LA1275 POSITION - 40 02 02. (N) 085 43 53. (W) SCALED
LA1275 83 minus 27 - +00. -00. NADCON
LA1275
LA1275 HEIGHT - 268.767 (meters) 881.78 (feet) ADJUST
LA1275 88 minus 29 - -0.134 ADJ UNCHK

LA1275 **********

LA1275 GEOID HEIGHT- -34.02 GEOID93
LA1275 MODELED GRAV- 980,067.8 NAVD88
LA1275
LA1275 VERT ORDER - FIRST CLASS 2
LA1275
LA1275 The horizontal coordinates were scaled from a topographic map and have
LA1275 an estimated accuracy of +/- 6 seconds.
LA1275
LA1275 The orthometric height was determined by differential leveling
LA1275 and adjusted by the National Geodetic Survey in June 1991.
LA1275
LA1275 The geoid height was determined by GEOID93.
LA1275
LA1275 The modeled gravity was interpolated from observed gravity values.
LA1275
LA1275 STATION MARK IS A BENCH MARK DISK
LA1275 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1275 THE MARK IS STAMPED: U 234 1947
LA1275 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1275
LA1275 HISTORY - Year Condition Recov. By
LA1275 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1275
LA1275 STATION DESCRIPTION
LA1275
LA1275 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1275 ABOUT 2.3 MILES NORTHEAST ALONG THE NEW YORK CENTRAL RAILROAD
LA1275 FROM THE STATION AT PENDLETON, AT POLE 253/15, SET IN THE TOP
LA1275 OF THE SOUTHWEST CORNER OF THE CONCRETE BASE OF SEMAPHORE SIGNAL
LA1275 TOWER NO. 2532, 6.5 FEET EAST OF THE EAST RAIL AND ABOUT LEVEL
LA1275 WITH THE TRACKS.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1276 **********

LA1276 DESIGNATION - T 234
LA1276 PID - LA1276
LA1276 STATE/COUNTY- IN/MADISON
LA1276 USGS QUAD - ANDERSON SOUTH
LA1276
LA1276 HORZ DATUM - NAD 83
LA1276 VERT DATUM - NAVD 88
LA1276
LA1276 POSITION - 40 02 47. (N) 085 43 33. (W) SCALED
LA1276 83 minus 27 - +00. -00. NADCON
LA1276
LA1276 HEIGHT - 268.418 (meters) 880.64 (feet) ADJUST
LA1276 88 minus 29 - -0.135 ADJ UNCHK

LA1276 **********

LA1276 GEOID HEIGHT- -34.02 GEOID93
LA1276 MODELED GRAV- 980,068.8 NAVD88
LA1276
LA1276 VERT ORDER - FIRST CLASS 2
LA1276
LA1276 The horizontal coordinates were scaled from a topographic map and have
LA1276 an estimated accuracy of +/- 6 seconds.
LA1276
LA1276 The orthometric height was determined by differential leveling
LA1276 and adjusted by the National Geodetic Survey in June 1991.
LA1276
LA1276 The geoid height was determined by GEOID93.
LA1276
LA1276 The modeled gravity was interpolated from observed gravity values.
LA1276
LA1276 STATION MARK IS A BENCH MARK DISK
LA1276 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1276 THE MARK IS STAMPED: T 234 1947
LA1276 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1276 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1276
LA1276 HISTORY - Year Condition Recov. By
LA1276 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1276
LA1276 STATION DESCRIPTION
LA1276
LA1276 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1276 ABOUT 4.85 MILES SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
LA1276 FROM THE STATION AT ANDERSON, ABOUT 3.2 MILES NORTHEAST OF THE
LA1276 STATION AT PENDLETON, AT A GRAVEL CROSS ROAD, 80 FEET NORTHWEST
LA1276 AND ACROSS THE TRACKS FROM POLE 252/20, 37.5 FEET WEST OF THE
LA1276 WEST RAIL, 20 FEET SOUTH OF THE CENTER LINE OF THE GRAVEL ROAD,
LA1276 5.5 FEET SOUTH OF TELEPHONE POLE IPL, 1.5 FEET NORTH OF A WHITE
LA1276 WOODEN WITNESS POST, ABOUT 2 FEET BELOW THE TRACK AND SET IN
LA1276 THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1277 **********

LA1277 DESIGNATION - S 234
LA1277 PID - LA1277
LA1277 STATE/COUNTY- IN/MADISON
LA1277 USGS QUAD - ANDERSON SOUTH
LA1277
LA1277 HORZ DATUM - NAD 83
LA1277 VERT DATUM - NAVD 88
LA1277
LA1277 POSITION - 40 03 52. (N) 085 42 59. (W) SCALED
LA1277 83 minus 27 - +00. -00. NADCON
LA1277
LA1277 HEIGHT - 267.576 (meters) 877.87 (feet) ADJUST
LA1277 88 minus 29 - -0.136 ADJ UNCHK

LA1277 **********

LA1277 GEOID HEIGHT- -34.03 GEOID93
LA1277 MODELED GRAV- 980,070.1 NAVD88
LA1277
LA1277 VERT ORDER - FIRST CLASS 2
LA1277
LA1277 The horizontal coordinates were scaled from a topographic map and have
LA1277 an estimated accuracy of +/- 6 seconds.
LA1277
LA1277 The orthometric height was determined by differential leveling
LA1277 and adjusted by the National Geodetic Survey in June 1991.
LA1277
LA1277 The geoid height was determined by GEOID93.
LA1277
LA1277 The modeled gravity was interpolated from observed gravity values.
LA1277
LA1277 STATION MARK IS A BENCH MARK DISK
LA1277 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1277 THE MARK IS STAMPED: S 234 1947
LA1277 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1277
LA1277 HISTORY - Year Condition Recov. By
LA1277 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1277
LA1277 STATION DESCRIPTION
LA1277
LA1277 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1277 ABOUT 3.6 MILES SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
LA1277 FROM THE STATION AT ANDERSON, ABOUT 14 RAILS SOUTH OF MILE
LA1277 POST 251, 15 RAILS SOUTH OF SWITCH TOWER TAFT, SET IN THE TOP
LA1277 OF THE SOUTH END OF THE WEST HEAD WALL OF AN 8 BY 5 FOOT
LA1277 CONCRETE CULVERT, 11 FEET WEST OF THE WEST RAIL, 1.7 FEET NORTH
LA1277 OF THE SOUTH END OF THE HEAD WALL AND ABOUT 1 FOOT BELOW THE
LA1277 TRACK.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1278 **********
LA1278 DESIGNATION - R 234
LA1278 PID - LA1278
LA1278 STATE/COUNTY- IN/MADISON
LA1278 USGS QUAD - ANDERSON SOUTH
LA1278
LA1278 HORZ DATUM - NAD 83
LA1278 VERT DATUM - NAVD 88
LA1278
LA1278 POSITION - 40 04 34. (N) 085 42 36. (W) SCALED
LA1278 83 minus 27 - +00. -00. NADCON
LA1278
LA1278 HEIGHT - 267.794 (meters) 878.59 (feet) ADJUST
LA1278 88 minus 29 - -0.136 ADJ UNCHK
LA1278 **********
LA1278 GEOID HEIGHT- -34.03 GEOID93
LA1278 MODELED GRAV- 980,071.1 NAVD88
LA1278
LA1278 VERT ORDER - FIRST CLASS 2
LA1278
LA1278 The horizontal coordinates were scaled from a topographic map and have
LA1278 an estimated accuracy of +/- 6 seconds.
LA1278
LA1278 The orthometric height was determined by differential leveling
LA1278 and adjusted by the National Geodetic Survey in June 1991.
LA1278
LA1278 The geoid height was determined by GEOID93.
LA1278
LA1278 The modeled gravity was interpolated from observed gravity values.
LA1278
LA1278 STATION MARK IS A BENCH MARK DISK
LA1278 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1278 THE MARK IS STAMPED: R 234 1947
LA1278 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1278 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1278
LA1278 HISTORY - Year Condition Recov. By
LA1278 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1278

STATION DESCRIPTION

LA1278
LA1278 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1278 ABOUT 2.65 MILES SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
LA1278 FROM THE STATION AT ANDERSON, AT A BLACK TOP ROAD CROSSING,
LA1278 DIRECTLY ACROSS THE TRACKS FROM POLE 250/10, 36.5 FEET WEST
LA1278 OF THE WEST RAIL, 20 FEET NORTH OF THE CENTER LINE OF THE BLACK
LA1278 TOP ROAD, 3.5 FEET NORTHEAST OF A CONCRETE FENCE CORNER POST,
LA1278 2.8 FEET EAST OF THE FENCE LINE, 1.5 FEET SOUTH OF A WHITE
LA1278 WOODEN WITNESS POST, ABOUT 1 FOOT BELOW THE TRACK AND SET IN
LA1278 THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1279 **********
LA1279 DESIGNATION - Q 234
LA1279 PID - LA1279
LA1279 STATE/COUNTY- IN/MADISON
LA1279 USGS QUAD - ANDERSON SOUTH
LA1279
LA1279 HORZ DATUM - NAD 83
LA1279 VERT DATUM - NAVD 88
LA1279
LA1279 POSITION - 40 05 29. (N) 085 42 02. (W) SCALED
LA1279 83 minus 27 - +00. -00. NADCON
LA1279
LA1279 HEIGHT - 266.457 (meters) 874.20 (feet) ADJUST
LA1279 88 minus 29 - -0.137 ADJ UNCHK
LA1279 **********
LA1279 GEOID HEIGHT- -34.03 GEOID93
LA1279 MODELED GRAV- 980,073.0 NAVD88
LA1279
LA1279 VERT ORDER - FIRST CLASS 2
LA1279
LA1279 The horizontal coordinates were scaled from a topographic map and have
LA1279 an estimated accuracy of +/- 6 seconds.
LA1279
LA1279 The orthometric height was determined by differential leveling
LA1279 and adjusted by the National Geodetic Survey in June 1991.
LA1279
LA1279 The geoid height was determined by GEOID93.
LA1279
LA1279 The modeled gravity was interpolated from observed gravity values.
LA1279
LA1279 STATION MARK IS A BENCH MARK DISK
LA1279 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1279 THE MARK IS STAMPED: Q 234 1947
LA1279 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1279 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1279
LA1279 HISTORY - Year Condition Recov. By
LA1279 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1279

STATION DESCRIPTION

LA1279
LA1279 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1279 ABOUT 1.45 MILES SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
LA1279 FROM THE STATION AT ANDERSON, ABOUT 9 RAILS NORTHEAST OF THE
LA1279 CROSSING OF WEST 25TH STREET NORTHEAST AND ACROSS 25TH STREET
LA1279 FROM THE GUIDE LAMP PLANT, 3 RAILS NORTHEAST OF MILE POST
LA1279 249, 19 FEET NORTHWEST OF THE NORTHWEST RAIL, 33.5 FEET SOUTHWEST
LA1279 OF A SEMAPHORE SIGNAL POST, 7 FEET SOUTHWEST OF A POLE, 14
LA1279 FEET SOUTHEAST OF THE CENTER LINE OF A CINDER ALLEY, 1.5 FEET
LA1279 NORTHEAST OF A WHITE WOODEN WITNESS POST, 5.5 FEET BELOW THE
LA1279 TRACK AND SET IN THE TOP OF A CONCRETE POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1280 **********

LA1280 DESIGNATION - N 234
LA1280 PID - LA1280
LA1280 STATE/COUNTY- IN/MADISON
LA1280 USGS QUAD - ANDERSON SOUTH
LA1280
LA1280 HORZ DATUM - NAD 83
LA1280 VERT DATUM - NAVD 88
LA1280
LA1280 POSITION - 40 05 59. (N) 085 41 21. (W) SCALED
LA1280 83 minus 27 - +00. -00. NADCON
LA1280
LA1280 HEIGHT - 264.783 (meters) 868.71 (feet) ADJUST
LA1280 88 minus 29 - -0.139 ADJ UNCHK

LA1280 **********

LA1280 GEOID HEIGHT- -34.03 GEOID93
LA1280 MODELED GRAV- 980,077.4 NAVD88
LA1280
LA1280 VERT ORDER - FIRST CLASS 2
LA1280
LA1280 The horizontal coordinates were scaled from a topographic map and have
LA1280 an estimated accuracy of +/- 6 seconds.
LA1280
LA1280 The orthometric height was determined by differential leveling
LA1280 and adjusted by the National Geodetic Survey in June 1991.
LA1280
LA1280 The geoid height was determined by GEOID93.
LA1280
LA1280 The modeled gravity was interpolated from observed gravity values.
LA1280
LA1280 STATION MARK IS A BENCH MARK DISK
LA1280 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1280 THE MARK IS STAMPED: N 234 1947
LA1280 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1280 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1280
LA1280 HISTORY - Year Condition Recov. By
LA1280 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1280

STATION DESCRIPTION

LA1280
LA1280 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1280 AT ANDERSON, ABOUT 0.55 MILE SOUTHWEST ALONG THE NEW YORK
LA1280 CENTRAL RAILROAD FROM THE STATION, AT THE CROSSING OF SHERMAN
LA1280 STREET, 60.5 FEET WEST OF THE NORTHWEST OF THE CO-OPERATIVE
LA1280 TOOL AND DIE CO. BUILDING, 30.5 FEET EAST OF THE CENTER LINE
LA1280 OF SHERMAN STREET, 18 FEET SOUTH OF THE SOUTH RAIL OF THE
LA1280 MAIN TRACK, 2.5 FEET NORTH OF POLE 248/07, 1.5 FEET EAST OF A
LA1280 WHITE WOODEN WITNESS POST, ABOUT LEVEL WITH THE TRACK AND SET
LA1280 IN THE TOP OF A CONCRETE POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1281 **********

LA1281 DESIGNATION - R 4
LA1281 PID - LA1281
LA1281 STATE/COUNTY- IN/MADISON
LA1281 USGS QUAD - ANDERSON SOUTH
LA1281
LA1281 HORZ DATUM - NAD 83
LA1281 VERT DATUM - NAVD 88
LA1281
LA1281 POSITION - 40 06 05. (N) 085 40 43. (W) SCALED
LA1281 83 minus 27 - +00. -00. NADCON
LA1281
LA1281 HEIGHT - 269.914 (meters) 885.54 (feet) ADJUST
LA1281 88 minus 29 - -0.141 ADJ UNCHK

LA1281 **********

LA1281 GEOID HEIGHT- -34.02 GEOID93
LA1281 MODELED GRAV- 980,081.8 NAVD88
LA1281
LA1281 VERT ORDER - FIRST CLASS 2
LA1281
LA1281 The horizontal coordinates were scaled from a topographic map and have
LA1281 an estimated accuracy of +/- 6 seconds.
LA1281
LA1281 The orthometric height was determined by differential leveling
LA1281 and adjusted by the National Geodetic Survey in June 1991.
LA1281
LA1281 The geoid height was determined by GEOID93.
LA1281
LA1281 The modeled gravity was interpolated from observed gravity values.
LA1281
LA1281 STATION MARK IS A BENCH MARK DISK
LA1281 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1281 THE MARK IS STAMPED: R4 ELEV 886.005 FT
LA1281 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1281
LA1281 HISTORY - Year Condition Recov. By
LA1281 HISTORY - UNK STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA1281 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1281

STATION DESCRIPTION

LA1281
LA1281 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1281 AT ANDERSON, SET VERTICALLY IN THE WEST FACE OF THE STONE WALL
LA1281 OF THE NEW YORK CENTRAL RAILROAD STATION, AT 15TH AND MERIDIAN
LA1281 STREET, 1.4 FEET NORTH OF THE SOUTHWEST CORNER OF THE BUILDING
LA1281 AND 2.9 FEET ABOVE THE SIDE WALK.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1282 **********

LA1282 DESIGNATION - S 4
LA1282 PID - LA1282
LA1282 STATE/COUNTY- IN/MADISON
LA1282 USGS QUAD - ANDERSON SOUTH
LA1282
LA1282 HORZ DATUM - NAD 83
LA1282 VERT DATUM - NAVD 88
LA1282
LA1282 POSITION - 40 06 19. (N) 085 40 49. (W) SCALED
LA1282 83 minus 27 - +00. -00. NADCON
LA1282
LA1282 HEIGHT - 269.027 (meters) 882.63 (feet) ADJUST
LA1282 88 minus 29 - -0.140 ADJ UNCHK

LA1282 **********

LA1282 GEOID HEIGHT- -34.03 GEOID93
LA1282 MODELED GRAV- 980,081.0 NAVD88
LA1282
LA1282 VERT ORDER - FIRST CLASS 2
LA1282
LA1282 The horizontal coordinates were scaled from a topographic map and have
LA1282 an estimated accuracy of +/- 6 seconds.
LA1282
LA1282 The orthometric height was determined by differential leveling
LA1282 and adjusted by the National Geodetic Survey in June 1991.
LA1282
LA1282 The geoid height was determined by GEOID93.
LA1282
LA1282 The modeled gravity was interpolated from observed gravity values.
LA1282
LA1282 STATION MARK IS A BENCH MARK DISK
LA1282 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1282 THE MARK IS STAMPED: S4 ELEV 883.092 FT
LA1282 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1282
LA1282 HISTORY - Year Condition Recov. By
LA1282 HISTORY - UNK STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA1282 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1282

STATION DESCRIPTION

LA1282
LA1282 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1282 AT ANDERSON, SET VERTICALLY IN THE WEST FACE OF THE STONE WALL
LA1282 OF THE POST OFFICE BUILDING, 17 FEET NORTH OF THE SOUTHWEST
LA1282 CORNER OF THE BUILDING, 6.5 FEET NORTH OF THE CENTER OF THE WEST
LA1282 ENTRANCE TO THE BUILDING, AND ABOUT 2.6 FEET ABOVE THE GROUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1284 **********
LA1284 DESIGNATION - T 4 RESET 1972
LA1284 PID - LA1284
LA1284 STATE/COUNTY- IN/MADISON
LA1284 USGS QUAD - ANDERSON SOUTH
LA1284
LA1284 HORZ DATUM - NAD 83
LA1284 VERT DATUM - NGVD 29
LA1284
LA1284 POSITION - 40 06 26. (N) 085 40 43. (W) SCALED
LA1284 83 minus 27 - +00. -00. NADCON
LA1284
LA1284 HEIGHT - 269.41 (meters) 883.9 (feet) RESET COMP
LA1284 88 minus 29 - -0.14 VERTCON
LA1284 **********
LA1284 GEOID HEIGHT- -34.03 GEOID93
LA1284
LA1284 VERT ORDER - ?
LA1284
LA1284 The horizontal coordinates were scaled from a topographic map and have
LA1284 an estimated accuracy of +/- 6 seconds.
LA1284
LA1284 The orthometric height was computed from unverified reset data.
LA1284
LA1284 The geoid height was determined by GEOID93.
LA1284
LA1284 STATION MARK IS A BENCH MARK DISK
LA1284 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1284 THE MARK IS STAMPED: T 4 RESET 1971
LA1284 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1284
LA1284 HISTORY - Year Condition Recov. By
LA1284 HISTORY - 1971 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA1284 HISTORY - 1972 GOOD NATIONAL GEODETIC SURVEY
LA1284
LA1284 STATION DESCRIPTION
LA1284
LA1284 DESCRIBED BY NATIONAL GEODETIC SURVEY 1972
LA1284 A STANDARD DISK SET IN A DRILL HOLE IN THE CONCRETE SIDEWALK
LA1284 AT THE NORTHEAST ANGLE OF THE INTERSECTION OF MAIN AND E 9TH
LA1284 STREETS NEAR THE CENTER OF ANDERSON, 27 FEET EAST OF THE
LA1284 CENTERLINE OF MAIN STREET, 46 FEET NORTH OF THE CENTERLINE OF
LA1284 9TH STREET, 12 FEET NORTH OF A METAL TRAFFIC LIGHT, AND 1 FOOT
LA1284 EAST OF THE EAST CURB OF STREET.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1285 **********

LA1285 DESIGNATION - ANDERSON AZ
LA1285 PID - LA1285
LA1285 STATE/COUNTY- IN/MADISON
LA1285 USGS QUAD - ANDERSON SOUTH
LA1285
LA1285 HORZ DATUM - NAD 83
LA1285 VERT DATUM - NAVD 88
LA1285
LA1285 POSITION - 40 06 39. (N) 085 39 43. (W) SCALED
LA1285 83 minus 27 - +00. -00. NADCON
LA1285
LA1285 HEIGHT - 272.299 (meters) 893.37 (feet) ADJUST
LA1285 88 minus 29 - -0.141 ADJ UNCHK
LA1285 **********
LA1285 GEOID HEIGHT- -34.02 GEOID93
LA1285 MODELED GRAV- 980,083.0 NAVD88
LA1285
LA1285 VERT ORDER - FIRST CLASS 2
LA1285
LA1285 The horizontal coordinates were scaled from a topographic map and have
LA1285 an estimated accuracy of +/- 6 seconds.
LA1285
LA1285 The orthometric height was determined by differential leveling
LA1285 and adjusted by the National Geodetic Survey in June 1991.
LA1285
LA1285 The geoid height was determined by GEOID93.
LA1285
LA1285 The modeled gravity was interpolated from observed gravity values.
LA1285
LA1285 STATION MARK IS AN AZIMUTH MARK DISK
LA1285 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1285 THE MARK IS STAMPED: ANDERSON AZIMUTH 1934
LA1285 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1285 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1285
LA1285 HISTORY - Year Condition Recov. By
LA1285 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1285 HISTORY - 1962 GOOD NATIONAL GEODETIC SURVEY
LA1285
LA1285 STATION DESCRIPTION
LA1285
LA1285 DESCRIBED BY NATIONAL GEODETIC SURVEY 1962
LA1285 ABOUT A MILE AIR LINE NE OF THE HEART OF ANDERSON, ON THE
LA1285 CAMPUS OF ANDERSON COLLEGE, 0.25 MILE W OF NURSERY ROAD, 132
LA1285 FEET S OF CENTER LINE OF EAST FIFTH STREET, 123 FEET E OF NE
LA1285 CORNER OF EAST HALL DORMITORY, 8 FEET E OF CENTER LINE OF A
LA1285 DRIVEWAY, 8-1/2 FEET W OF W EDGE OF CONCRETE TENNIS COURT, AND
LA1285 2.5 FEET N OF PROJECTED LINE OF S EDGE OF THE SAID COURT, IT
LA1285 PROJECTS 10 INCHES ABOVE GROUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1289 **********
LA1289 DESIGNATION - K 193
LA1289 PID - LA1289
LA1289 STATE/COUNTY- IN/MADISON
LA1289 USGS QUAD - ANDERSON SOUTH
LA1289
LA1289 HORZ DATUM - NAD 83
LA1289 VERT DATUM - NAVD 88
LA1289
LA1289 POSITION - 40 06 21. (N) 085 41 13. (W) SCALED
LA1289 83 minus 27 - +00. -00. NADCON
LA1289
LA1289 HEIGHT - 260.253 (meters) 853.85 (feet) ADJUST
LA1289 88 minus 29 - -0.139 ADJ UNCHK
LA1289 **********
LA1289 GEOID HEIGHT- -34.03 GEOID93
LA1289 MODELED GRAV- 980,078.6 NAVD88
LA1289
LA1289 VERT ORDER - FIRST CLASS 2
LA1289
LA1289 The horizontal coordinates were scaled from a topographic map and have
LA1289 an estimated accuracy of +/- 6 seconds.
LA1289
LA1289 The orthometric height was determined by differential leveling
LA1289 and adjusted by the National Geodetic Survey in June 1991.
LA1289
LA1289 The geoid height was determined by GEOID93.
LA1289
LA1289 The modeled gravity was interpolated from observed gravity values.
LA1289
LA1289 STATION MARK IS A BENCH MARK DISK
LA1289 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1289 THE MARK IS STAMPED: K 193 1946
LA1289 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1289 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1289
LA1289 HISTORY - Year Condition Recov. By
LA1289 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1289

STATION DESCRIPTION

LA1289
LA1289 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1289 AT ANDERSON, ABOUT 0.8 MILE NORTH ALONG THE NEW YORK CENTRAL
LA1289 RAILROAD FROM THE STATION, AT THE INTERSECTION OF JOHN AND WEST
LA1289 10TH STREET, 70 FEET NORTHWEST AND ACROSS THE TRACKS FROM THE
LA1289 NORTHWEST CORNER OF THE R.D. MOTOR EXPRESS GARAGE, 8.5 FEET WEST
LA1289 OF THE WEST RAIL OF THE MAIN TRACK, 30 FEET SOUTH OF WEST 10TH
LA1289 STREET, 16 FEET EAST OF THE CENTER LINE OF JOHN STREET, 2.4
LA1289 FEET NORTH OF THE NORTH LEG OF A SIGNAL CONTROL BOX, 12 FEET
LA1289 SOUTH OF THE WARNING SIGNAL FLASHER, ABOUT LEVEL WITH THE RAIL,
LA1289 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1290 **********
LA1290 DESIGNATION - U 4
LA1290 PID - LA1290
LA1290 STATE/COUNTY- IN/MADISON
LA1290 USGS QUAD - ANDERSON SOUTH
LA1290
LA1290 HORZ DATUM - NAD 83
LA1290 VERT DATUM - NAVD 88
LA1290
LA1290 POSITION - 40 07 10. (N) 085 41 06. (W) SCALED
LA1290 83 minus 27 - +00. -00. NADCON
LA1290
LA1290 HEIGHT - 262.115 (meters) 859.96 (feet) ADJUST
LA1290 88 minus 29 - -0.140 ADJ UNCHK
LA1290 **********
LA1290 GEOID HEIGHT- -34.04 GEOID93
LA1290 MODELED GRAV- 980,079.4 NAVD88
LA1290
LA1290 VERT ORDER - FIRST CLASS 2
LA1290
LA1290 The horizontal coordinates were scaled from a topographic map and have
LA1290 an estimated accuracy of +/- 6 seconds.
LA1290
LA1290 The orthometric height was determined by differential leveling
LA1290 and adjusted by the National Geodetic Survey in June 1991.
LA1290
LA1290 The geoid height was determined by GEOID93.
LA1290
LA1290 The modeled gravity was interpolated from observed gravity values.
LA1290
LA1290 STATION MARK IS A BENCH MARK DISK
LA1290 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1290 THE MARK IS STAMPED: U 4 EL 860.425 FT
LA1290 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1290
LA1290 HISTORY - Year Condition Recov. By
LA1290 HISTORY - UNK STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA1290 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1290
LA1290 STATION DESCRIPTION
LA1290
LA1290 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1290 ABOUT 1.75 MILES NORTH ALONG THE NEW YORK CENTRAL RAILROAD
LA1290 FROM THE STATION AT ANDERSON, SET IN THE TOP OF THE EAST END OF
LA1290 THE NORTH ABUTMENT OF BRIDGE NO. 433 OVER KILBUCK CREEK, 4.4
LA1290 FEET EAST OF THE EAST RAIL, AND ABOUT 1 FOOT BELOW THE TRACK.
LA1290 NOTE-- THE DISK IS BADLY BATTERED AND SEEMS TO HAVE BEEN
LA1290 RE-STAMPED, BUT THE MARK IS STILL TIGHTLY INTACT.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1291 **********

LA1291 DESIGNATION - L 193
LA1291 PID - LA1291
LA1291 STATE/COUNTY- IN/MADISON
LA1291 USGS QUAD - ANDERSON NORTH
LA1291
LA1291 HORZ DATUM - NAD 83
LA1291 VERT DATUM - NAVD 88
LA1291
LA1291 POSITION - 40 08 05. (N) 085 40 51. (W) SCALED
LA1291 83 minus 27 - +00. -00. NADCON
LA1291
LA1291 HEIGHT - 269.550 (meters) 884.35 (feet) ADJUST
LA1291 88 minus 29 - -0.139 ADJ UNCHK

LA1291 **********

LA1291 GEOID HEIGHT- -34.04 GEOID93
LA1291 MODELED GRAV- 980,081.0 NAVD88
LA1291
LA1291 VERT ORDER - FIRST CLASS 2
LA1291
LA1291 The horizontal coordinates were scaled from a topographic map and have
LA1291 an estimated accuracy of +/- 6 seconds.
LA1291
LA1291 The orthometric height was determined by differential leveling
LA1291 and adjusted by the National Geodetic Survey in June 1991.
LA1291
LA1291 The geoid height was determined by GEOID93.
LA1291
LA1291 The modeled gravity was interpolated from observed gravity values.
LA1291
LA1291 STATION MARK IS A BENCH MARK DISK
LA1291 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1291 THE MARK IS STAMPED: L 193 1946
LA1291 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1291 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1291
LA1291 HISTORY - Year Condition Recov. By
LA1291 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1291
LA1291 STATION DESCRIPTION
LA1291
LA1291 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1291 ABOUT 2.8 MILES NORTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1291 THE STATION AT ANDERSON, SET IN THE NORTHEAST ANGLE OF THE
LA1291 INTERSECTION OF THE PENNSYLVANIA RAILROAD, 84 FEET NORTH OF THE
LA1291 WEST CORNER OF A SWITCH TOWER DOW, 105 FEET SOUTH OF THE CENTER
LA1291 LINE OF CROSS STREET, 53 FEET NORTHEAST OF THE NORTHEAST RAIL OF
LA1291 THE PENNSYLVANIA RAILROAD, 56 FEET SOUTHEAST AND ACROSS THE
LA1291 N.Y.C. TRACK FROM N.Y.C. POLE NO. 162/25, 22 FEET EAST OF THE
LA1291 EAST RAIL OF THE N.Y.C. TRACK, 27 FEET WEST OF THE CENTER LINE
LA1291 OF A CINDER DRIVE WAY LEADING TO THE TOWER, ABOUT 1 FOOT BELOW
LA1291 THE TRACK, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6
LA1291 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1292 **********

LA1292 DESIGNATION - M 193
LA1292 PID - LA1292
LA1292 STATE/COUNTY- IN/MADISON
LA1292 USGS QUAD - ANDERSON NORTH
LA1292
LA1292 HORZ DATUM - NAD 83
LA1292 VERT DATUM - NAVD 88
LA1292
LA1292 POSITION - 40 08 58. (N) 085 40 53. (W) SCALED
LA1292 83 minus 27 - +00. -00. NADCON
LA1292
LA1292 HEIGHT - 269.801 (meters) 885.17 (feet) ADJUST
LA1292 88 minus 29 - -0.140 ADJ UNCHK

LA1292 **********

LA1292 GEOID HEIGHT- -34.05 GEOID93
LA1292 MODELED GRAV- 980,082.1 NAVD88
LA1292
LA1292 VERT ORDER - FIRST CLASS 2
LA1292
LA1292 The horizontal coordinates were scaled from a topographic map and have
LA1292 an estimated accuracy of +/- 6 seconds.
LA1292
LA1292 The orthometric height was determined by differential leveling
LA1292 and adjusted by the National Geodetic Survey in June 1991.
LA1292
LA1292 The geoid height was determined by GEOID93.
LA1292
LA1292 The modeled gravity was interpolated from observed gravity values.
LA1292
LA1292 STATION MARK IS A BENCH MARK DISK
LA1292 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1292 THE MARK IS STAMPED: M 193 1946
LA1292 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1292 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1292
LA1292 HISTORY - Year Condition Recov. By
LA1292 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1292

STATION DESCRIPTION

LA1292
LA1292 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1292 ABOUT 3.8 MILES NORTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1292 THE STATION AT ANDERSON, AT AN EAST-WEST GRAVEL ROAD CROSSING, 39
LA1292 FEET WEST OF THE WEST RAIL OF THE TRACK, 24 FEET SOUTH OF THE
LA1292 CENTER LINE OF THE GRAVEL ROAD, 24 FEET NORTHWEST OF THE 2ND
LA1292 POLE NORTH OF POLE 161/25, 8 FEET SOUTH OF A CONCRETE FENCE
LA1292 CORNER POST, ABOUT 3 FEET BELOW THE TRACK, AND SET IN THE TOP
LA1292 OF A CONCRETE POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1293 **********
LA1293 DESIGNATION - N 193
LA1293 PID - LA1293
LA1293 STATE/COUNTY- IN/MADISON
LA1293 USGS QUAD - ANDERSON NORTH
LA1293
LA1293 HORZ DATUM - NAD 83
LA1293 VERT DATUM - NAVD 88
LA1293
LA1293 POSITION - 40 09 38. (N) 085 40 52. (W) SCALED
LA1293 83 minus 27 - +00. -00. NADCON
LA1293
LA1293 HEIGHT - 271.229 (meters) 889.86 (feet) ADJUST
LA1293 88 minus 29 - -0.141 ADJ UNCHK
LA1293 **********
LA1293 GEOID HEIGHT- -34.06 GEOID93
LA1293 MODELED GRAV- 980,083.3 NAVD88
LA1293
LA1293 VERT ORDER - FIRST CLASS 2
LA1293
LA1293 The horizontal coordinates were scaled from a topographic map and have
LA1293 an estimated accuracy of +/- 6 seconds.
LA1293
LA1293 The orthometric height was determined by differential leveling
LA1293 and adjusted by the National Geodetic Survey in June 1991.
LA1293
LA1293 The geoid height was determined by GEOID93.
LA1293
LA1293 The modeled gravity was interpolated from observed gravity values.
LA1293
LA1293 STATION MARK IS A BENCH MARK DISK
LA1293 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1293 THE MARK IS STAMPED: N 193 1946
LA1293 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1293 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1293
LA1293 HISTORY - Year Condition Recov. By
LA1293 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1293

STATION DESCRIPTION

LA1293
LA1293 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1293 ABOUT 4.6 MILES NORTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1293 THE STATION AT ANDERSON, AT AN EAST-WEST GRAVEL CROSS ROAD, ABOUT
LA1293 1 1/2 POLES NORTH OF POLE 160/35, 51 FEET WEST OF THE WEST RAIL
LA1293 OF THE TRACK, 32 FEET NORTH OF THE CENTER LINE OF THE GRAVEL
LA1293 ROAD, 18.5 FEET NORTH OF TELEPHONE POLE 14, 17 FEET NORTH OF A
LA1293 FENCE CORNER POST, 1 FOOT EAST OF THE FENCE LINE, ABOUT LEVEL
LA1293 WITH THE TRACK, AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1293 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1294 **********
LA1294 DESIGNATION - P 193
LA1294 PID - LA1294
LA1294 STATE/COUNTY- IN/MADISON
LA1294 USGS QUAD - ANDERSON NORTH
LA1294
LA1294 HORZ DATUM - NAD 83
LA1294 VERT DATUM - NAVD 88
LA1294
LA1294 POSITION - 40 10 43. (N) 085 40 51. (W) SCALED
LA1294 83 minus 27 - +00. -00. NADCON
LA1294
LA1294 HEIGHT - 271.592 (meters) 891.05 (feet) ADJUST
LA1294 88 minus 29 - -0.141 ADJ UNCHK
LA1294 **********
LA1294 GEOID HEIGHT- -34.07 GEOID93
LA1294 MODELED GRAV- 980,085.2 NAVD88
LA1294
LA1294 VERT ORDER - FIRST CLASS 2
LA1294
LA1294 The horizontal coordinates were scaled from a topographic map and have
LA1294 an estimated accuracy of +/- 6 seconds.
LA1294
LA1294 The orthometric height was determined by differential leveling
LA1294 and adjusted by the National Geodetic Survey in June 1991.
LA1294
LA1294 The geoid height was determined by GEOID93.
LA1294
LA1294 The modeled gravity was interpolated from observed gravity values.
LA1294
LA1294 STATION MARK IS A BENCH MARK DISK
LA1294 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1294 THE MARK IS STAMPED: P 193 1946
LA1294 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1294 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1294
LA1294 HISTORY - Year Condition Recov. By
LA1294 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1294

STATION DESCRIPTION

LA1294
LA1294 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1294 ABOUT 5.8 MILES NORTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1294 THE STATION AT ANDERSON, ABOUT 1.0 MILE SOUTH OF THE GRAIN
LA1294 ELEVATOR AT LINWOOD, SET IN THE SOUTHEAST ANGLE OF AN EAST-WEST
LA1294 GRAVEL ROAD CROSSING, 2 POLES SOUTH OF POLE 159/20, 23 FEET EAST
LA1294 OF THE EAST RAIL OF THE TRACK, 29 FEET SOUTH OF THE CENTER
LA1294 LINE OF THE GRAVEL ROAD, 13 FEET SOUTH OF A 6 INCH CONCRETE FENCE
LA1294 CORNER POST, 1 FOOT WEST OF THE FENCE LINE, ABOUT 1.5 FEET BELOW
LA1294 THE TRACK, AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1294 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1295 ***
LA1295 DESIGNATION - V 4
LA1295 PID   - LA1295
LA1295 STATE/COUNTY- IN/MADISON
LA1295 USGS QUAD   - ANDERSON NORTH
LA1295
LA1295 HORZ DATUM - NAD 83
LA1295 VERT DATUM - NAVD 88
LA1295
LA1295 POSITION   - 40 11 37.   (N)   085 40 48.   (W)   SCALED
LA1295 83 minus 27 -   +00.   -00.   NADCON
LA1295
LA1295 HEIGHT   -   272.396 (meters)   893.68   (feet) ADJUST
LA1295 88 minus 29 -   -0.141   ADJ UNCHK
LA1295 ***
LA1295 GEOID HEIGHT-   -34.08   GEOID93
LA1295 MODELED GRAV-   980,086.9   NAVD88
LA1295
LA1295 VERT ORDER - FIRST   CLASS 2
LA1295
LA1295 The horizontal coordinates were scaled from a topographic map and have
LA1295 an estimated accuracy of +/- 6 seconds.
LA1295
LA1295 The orthometric height was determined by differential leveling
LA1295 and adjusted by the National Geodetic Survey in June 1991.
LA1295
LA1295 The geoid height was determined by GEOID93.
LA1295
LA1295 The modeled gravity was interpolated from observed gravity values.
LA1295
LA1295 STATION MARK IS A BENCH MARK DISK
LA1295 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1295 THE MARK IS STAMPED: V4 ELEV 894.185 FT
LA1295 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1295
LA1295 HISTORY   - Year Condition   Recov. By
LA1295 HISTORY   - UNK STATION MONUMENTED   NATIONAL GEODETIC SURVEY
LA1295 HISTORY   - 1946 GOOD   NATIONAL GEODETIC SURVEY
LA1295
LA1295   STATION DESCRIPTION
LA1295
LA1295 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1295 AT LINWOOD, ALONG THE NEW YORK CENTRAL RAILROAD, SET IN THE TOP
LA1295 OF THE CONCRETE PLATFORM AT THE SOUTH ENTRANCE TO THE I.G.A.
LA1295 STORE, 146 FEET EAST OF THE EAST RAIL OF THE MAIN TRACK, 25
LA1295 FEET NORTH OF THE CENTER LINE OF A BLACK TOP ROAD, 8 FEET EAST
LA1295 OF THE SOUTHEAST CORNER OF THE STORE BUILDING, AND ABOUT LEVEL
LA1295 WITH THE STREET. NOTE-- MARK IS SET SO NEAR THE DOOR WAY THAT
LA1295 IT IS CONTINUALLY WALKED ON. THE PLATFORM IN FRONT OF THE STORE
LA1295 DOES NOT APPEAR TO BE TOO GOOD A STRUCTURE AND THERE FORE IS
LA1295 PROBABLY NOT TOO SOLID.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1296 **********
LA1296 DESIGNATION - Q 193
LA1296 PID - LA1296
LA1296 STATE/COUNTY- IN/MADISON
LA1296 USGS QUAD - ANDERSON NORTH
LA1296
LA1296 HORZ DATUM - NAD 83
LA1296 VERT DATUM - NAVD 88
LA1296
LA1296 POSITION - 40 12 29. (N) 085 40 51. (W) SCALED
LA1296 83 minus 27 - +00. -00. NADCON
LA1296
LA1296 HEIGHT - 269.663 (meters) 884.72 (feet) ADJUST
LA1296 88 minus 29 - -0.142 ADJ UNCHK
LA1296 **********
LA1296 GEOID HEIGHT- -34.09 GEOID93
LA1296 MODELED GRAV- 980,088.4 NAVD88
LA1296
LA1296 VERT ORDER - FIRST CLASS 2
LA1296
LA1296 The horizontal coordinates were scaled from a topographic map and have
LA1296 an estimated accuracy of +/- 6 seconds.
LA1296
LA1296 The orthometric height was determined by differential leveling
LA1296 and adjusted by the National Geodetic Survey in June 1991.
LA1296
LA1296 The geoid height was determined by GEOID93.
LA1296
LA1296 The modeled gravity was interpolated from observed gravity values.
LA1296
LA1296 STATION MARK IS A BENCH MARK DISK
LA1296 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1296 THE MARK IS STAMPED: Q 193 1946
LA1296 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1296 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1296
LA1296 HISTORY - Year Condition Recov. By
LA1296 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1296
LA1296 STATION DESCRIPTION
LA1296
LA1296 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1296 ABOUT 1.0 MILE NORTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1296 THE GRAIN ELEVATOR AT LINWOOD, ABOUT 4.0 MILES SOUTH OF THE
LA1296 STATION AT ALEXANDRIA, AT AN EAST-WEST GRAVEL ROAD CROSSING, 37
LA1296 FEET WEST OF THE WEST RAIL OF THE TRACK, 20 FEET NORTH OF THE
LA1296 CENTER LINE OF THE GRAVEL ROAD, 1 1/2 POLES SOUTH OF POLE
LA1296 157/20, 9 FEET NORTH OF A FENCE CORNER, 1.4 FEET EAST OF THE
LA1296 FENCE LINE, ABOUT 4 FEET BELOW THE TRACK, AND SET IN THE TOP OF A
LA1296 CONCRETE POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1297 **********
LA1297 DESIGNATION - R 193
LA1297 PID - LA1297
LA1297 STATE/COUNTY- IN/MADISON
LA1297 USGS QUAD - ANDERSON NORTH
LA1297
LA1297 HORZ DATUM - NAD 83
LA1297 VERT DATUM - NAVD 88
LA1297
LA1297 POSITION - 40 13 09. (N) 085 40 50. (W) SCALED
LA1297 83 minus 27 - +00. -00. NADCON
LA1297
LA1297 HEIGHT - 269.356 (meters) 883.71 (feet) ADJUST
LA1297 88 minus 29 - -0.143 ADJ UNCHK
LA1297 **********
LA1297 GEOID HEIGHT- -34.09 GEOID93
LA1297 MODELED GRAV- 980,089.7 NAVD88
LA1297
LA1297 VERT ORDER - FIRST CLASS 2
LA1297
LA1297 The horizontal coordinates were scaled from a topographic map and have
LA1297 an estimated accuracy of +/- 6 seconds.
LA1297
LA1297 The orthometric height was determined by differential leveling
LA1297 and adjusted by the National Geodetic Survey in June 1991.
LA1297
LA1297 The geoid height was determined by GEOID93.
LA1297
LA1297 The modeled gravity was interpolated from observed gravity values.
LA1297
LA1297 STATION MARK IS A BENCH MARK DISK
LA1297 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1297 THE MARK IS STAMPED: R 193 1946
LA1297 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1297 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1297
LA1297 HISTORY - Year Condition Recov. By
LA1297 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1297
LA1297 STATION DESCRIPTION
LA1297
LA1297 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1297 ABOUT 3.2 MILES SOUTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1297 THE STATION AT ALEXANDRIA, AT THE CROSSING OF STATE HIGHWAY 128,
LA1297 ABOUT 1 POLE SOUTH OF POLE 156/30, 47 FEET EAST OF THE EAST RAIL
LA1297 OF THE TRACK, 44 FEET SOUTH OF THE CENTER LINE OF HIGHWAY 128,
LA1297 10 FEET SOUTHEAST OF A POWER POLE ALONG THE HIGHWAY, 9 FEET SOUTH
LA1297 OF A FENCE CORNER, 1.5 FEET WEST OF THE FENCE LINE, ABOUT 2.5
LA1297 FEET BELOW THE TRACK, AND SET IN THE TOP OF A CONCRETE POST
LA1297 PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1298 **********

LA1298 DESIGNATION - S 193
LA1298 PID - LA1298
LA1298 STATE/COUNTY- IN/MADISON
LA1298 USGS QUAD - ANDERSON NORTH
LA1298
LA1298 HORZ DATUM - NAD 83
LA1298 VERT DATUM - NAVD 88
LA1298
LA1298 POSITION - 40 14 01. (N) 085 40 50. (W) SCALED
LA1298 83 minus 27 - +00. -00. NADCON
LA1298
LA1298 HEIGHT - 269.958 (meters) 885.69 (feet) ADJUST
LA1298 88 minus 29 - -0.144 ADJ UNCHK

LA1298 **********

LA1298 GEOID HEIGHT- -34.10 GEOID93
LA1298 MODELED GRAV- 980,091.2 NAVD88
LA1298
LA1298 VERT ORDER - FIRST CLASS 2
LA1298
LA1298 The horizontal coordinates were scaled from a topographic map and have
LA1298 an estimated accuracy of +/- 6 seconds.
LA1298
LA1298 The orthometric height was determined by differential leveling
LA1298 and adjusted by the National Geodetic Survey in June 1991.
LA1298
LA1298 The geoid height was determined by GEOID93.
LA1298
LA1298 The modeled gravity was interpolated from observed gravity values.
LA1298
LA1298 STATION MARK IS A BENCH MARK DISK
LA1298 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1298 THE MARK IS STAMPED: S 193 1946
LA1298 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1298 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1298
LA1298 HISTORY - Year Condition Recov. By
LA1298 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1298 HISTORY - 1971 GOOD LOCAL SURVEYOR
LA1298

STATION DESCRIPTION

LA1298
LA1298 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1298 ABOUT 2.2 MILES SOUTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1298 THE STATION AT ALEXANDRIA, AT AN EAST-WEST GRAVEL ROAD CROSSING,
LA1298 62 FEET SOUTH OF POLE 155/30, 28 FEET WEST OF THE WEST RAIL OF
LA1298 THE TRACK, 26 FEET NORTH OF THE CENTER LINE OF THE GRAVEL ROAD,
LA1298 10 FEET NORTH OF TELEPHONE POLE 1936, 9 FEET NORTH OF A FENCE
LA1298 CORNER, 1 FOOT EAST OF THE FENCE LINE, ABOUT LEVEL WITH THE
LA1298 TRACK, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 5 INCHES.
LA1298

STATION RECOVERY (1971)

LA1298
LA1298 RECOVERY NOTE BY LOCAL SURVEYOR (INDIVIDUAL OR FIRM) 1971
LA1298 RECOVERED IN GOOD CONDITION.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1299 **********
LA1299 DESIGNATION - T 193
LA1299 PID - LA1299
LA1299 STATE/COUNTY- IN/MADISON
LA1299 USGS QUAD - ANDERSON NORTH
LA1299
LA1299 HORZ DATUM - NAD 83
LA1299 VERT DATUM - NAVD 88
LA1299
LA1299 POSITION - 40 14 55. (N) 085 40 49. (W) SCALED
LA1299 83 minus 27 - +00. -00. NADCON
LA1299
LA1299 HEIGHT - 267.826 (meters) 878.69 (feet) ADJUST
LA1299 88 minus 29 - -0.145 ADJ UNCHK
LA1299 **********
LA1299 GEOID HEIGHT- -34.11 GEOID93
LA1299 MODELED GRAV- 980,092.9 NAVD88
LA1299
LA1299 VERT ORDER - FIRST CLASS 2
LA1299
LA1299 The horizontal coordinates were scaled from a topographic map and have
LA1299 an estimated accuracy of +/- 6 seconds.
LA1299
LA1299 The orthometric height was determined by differential leveling
LA1299 and adjusted by the National Geodetic Survey in June 1991.
LA1299
LA1299 The geoid height was determined by GEOID93.
LA1299
LA1299 The modeled gravity was interpolated from observed gravity values.
LA1299
LA1299 STATION MARK IS A BENCH MARK DISK
LA1299 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1299 THE MARK IS STAMPED: T 193 1946
LA1299 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1299 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1299
LA1299 HISTORY - Year Condition Recov. By
LA1299 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1299
LA1299 STATION DESCRIPTION
LA1299
LA1299 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1299 ABOUT 1.2 MILES SOUTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1299 THE STATION AT ALEXANDRIA, AT AN EAST-WEST GRAVEL ROAD CROSSING,
LA1299 ABOUT 1 POLE NORTH OF POLE 154/35, 39 FEET EAST OF THE EAST RAIL
LA1299 OF THE MAIN TRACK, 24 FEET NORTH OF THE CENTER LINE OF THE GRAVEL
LA1299 ROAD, 8 FEET NORTH OF A CONCRETE FENCE CORNER POST, 1 FOOT WEST
LA1299 OF THE FENCE LINE, ABOUT 1.5 FEET BELOW THE TRACK AND SET IN
LA1299 THE TOP OF A CONCRETE POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1301 **********
LA1301 DESIGNATION - H 185
LA1301 PID - LA1301
LA1301 STATE/COUNTY- IN/MADISON
LA1301 USGS QUAD - ALEXANDRIA
LA1301
LA1301 HORZ DATUM - NAD 83
LA1301 VERT DATUM - NAVD 88
LA1301
LA1301 POSITION - 40 16 39. (N) 085 40 14. (W) SCALED
LA1301 83 minus 27 - +00. -00. NADCON
LA1301
LA1301 HEIGHT - 269.449 (meters) 884.02 (feet) ADJUST
LA1301 88 minus 29 - -0.144 ADJ UNCHK
LA1301 **********
LA1301 GEOID HEIGHT- -34.10 GEOID93
LA1301 MODELED GRAV- 980,096.4 NAVD88
LA1301
LA1301 VERT ORDER - FIRST CLASS 2
LA1301
LA1301 The horizontal coordinates were scaled from a topographic map and have
LA1301 an estimated accuracy of +/- 6 seconds.
LA1301
LA1301 The orthometric height was determined by differential leveling
LA1301 and adjusted by the National Geodetic Survey in June 1991.
LA1301
LA1301 The geoid height was determined by GEOID93.
LA1301
LA1301 The modeled gravity was interpolated from observed gravity values.
LA1301
LA1301 STATION MARK IS A BENCH MARK DISK
LA1301 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1301 THE MARK IS STAMPED: H 185 1946
LA1301 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1301 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1301
LA1301 HISTORY - Year Condition Recov. By
LA1301 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1301

STATION DESCRIPTION

LA1301
LA1301 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1301 AT ALEXANDRIA, ABOUT 0.9 MILE NORTHEAST ALONG THE NEW YORK
LA1301 CENTRAL RAILROAD FROM THE STATION, AT THE CROSSING OF STATE
LA1301 HIGHWAY 28, AND IN THE SOUTHEAST QUARTER OF THE INTERSECTION OF
LA1301 STATE HIGHWAYS 9 AND 28, 2 POLES SOUTH OF POLE 152/25, 194
LA1301 FEET EAST OF THE CENTER LINE OF STATE HIGHWAY 9, 34 FEET EAST
LA1301 OF THE EAST RAIL, 38 FEET SOUTH OF THE CENTER LINE OF HIGHWAY 28,
LA1301 9 FEET SOUTH-SOUTHWEST OF AN 8 INCH CONCRETE FENCE CORNER POST,
LA1301 2.5 FEET WEST OF THE FENCE LINE, ABOUT LEVEL WITH THE CROSSING,
LA1301 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1302 **********

LA1302 DESIGNATION - PAINTER
LA1302 PID - LA1302
LA1302 STATE/COUNTY- IN/MADISON
LA1302 USGS QUAD - ALEXANDRIA
LA1302
LA1302 HORZ DATUM - NAD 83
LA1302 VERT DATUM - NAVD 88
LA1302
LA1302 POSITION - 40 16 40.76538(N) 085 39 52.07139(W) ADJUSTED
LA1302 83 minus 27 - +00.14238 -00.08861 ADJUSTED
LA1302
LA1302 HEIGHT - 271.946 (meters) 892.21 (feet) ADJUST
LA1302 88 minus 29 - -0.144 ADJ UNCHK

LA1302 **********

LA1302 LAPLACE CORR- 1.78 DEFLEC93
LA1302 GEOID HEIGHT- -34.10 GEOID93
LA1302 MODELED GRAV- 980,096.7 NAVD88
LA1302
LA1302 HORZ ORDER - SECOND
LA1302 VERT ORDER - FIRST CLASS 2
LA1302
LA1302 The horizontal position was established by classical geodetic methods
LA1302 and adjusted by the National Geodetic Survey in July 1986.
LA1302
LA1302 The orthometric height was determined by differential leveling
LA1302 and adjusted by the National Geodetic Survey in June 1991.
LA1302
LA1302 The Laplace correction was computed from DEFLEC93 derived deflections.
LA1302
LA1302 The geoid height was determined by GEOID93.
LA1302
LA1302 The modeled gravity was interpolated from observed gravity values.
LA1302

		North	East	Scale	Converg.	
LA1302 SPC IN E	-	558,383.913	100,187.300	0.99996667	+0 00 05.1	MT
LA1302 UTM 16	-	4,459,467.748	613,539.002	0.99975869	+0 51 48.6	MT

LA1302

		Primary Azimuth Mark	Grid Az
LA1302 SPC IN E	-	PAINTER AZ MK	092 02 30.0
LA1302 UTM 16	-	PAINTER AZ MK	091 10 46.5

LA1302

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA1303	PAINTER RM 1	38.743 METERS	00753
LA2116	SUMMITVILLE MUNICIPAL TANK	APPROX. 7.2 KM	0140330.6
	PAINTER AZ MK		0920235.1
LA2113	ALEXANDRIA MUNICIPAL STANDPIPE	APPROX. 2.5 KM	2010941.2
LA2114	ALEXANDRIA ALLADIN INDUST TANK	APPROX. 2.5 KM	2250032.6
LA1304	PAINTER RM 2	39.319 METERS	23321

LA1302
LA1302 STATION MARK IS A TRIANGULATION STATION DISK
LA1302 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1302 THE MARK IS STAMPED: PAINTER 1934
LA1302 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1302 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1302

LA1302 HISTORY - Year Condition Recov. By
LA1302 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1302 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1302 HISTORY - 1948 GOOD COAST AND GEODETIC SURVEY
LA1302
LA1302 STATION DESCRIPTION
LA1302
LA1302 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA1302 ABOUT 1.0 MILE
LA1302 NORTH AND 0.3 MILE
LA1302 EAST OF THE CITY OF ALEXANDRIA, 0.3 MILE EAST
LA1302 OF THE JUNCTION OF STATE HIGHWAY 9
LA1302 AND 28, ON THE NORTH SIDE OF
LA1302 STATE HIGHWAY 28, ON LAND OWNED BY C.E. PAINTER (WHO
LA1302 LIVES ON
LA1302 STATE HIGHWAY 9, 0.5 MILES NORTHWEST OF THE STATION), IN THE
LA1302 SOUTHEAST CORNER
LA1302 OF A CLEARED UNCULTIVATED FIELD, 48-1/2 FEET
LA1302 NORTH OF THE CENTER LINE OF STATE
LA1302 HIGHWAY 28, 17 FEET WEST OF
LA1302 FENCE LINE, 24 FEET NORTHWEST OF THE SOUTHEAST FENCE
LA1302 CORNER, 6
LA1302 PACES NORTH OF THE NORTH RIGHT-OF-WAY, AND 12 INCHES BELOW THE
LA1302 SURFACE.
LA1302
LA1302 TO REACH FROM ALEXANDRIA GO NORTH ABOUT 1.0 MILE TO THE
LA1302 JUNCTION OF STATE
LA1302 HIGHWAY 9 AND 28, TURN EAST FOR 0.3 MILE ON
LA1302 STATE HIGHWAY 28 TO THE STATION ON
LA1302 THE NORTH SIDE OF THE HIGHWAY.
LA1302
LA1302 SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD
LA1302 BRONZE DISKS SET IN CONCRETE.
LA1302
LA1302 REFERENCE MARK NO. 1 IS NORTH OF THE STATION, 0.8 FOOT WEST
LA1302 OF THE FENCE LINE,
LA1302 26 PACES NORTH-NORTHWEST OF THE NORTHWEST CORNER
LA1302 OF A BARN, AND PROJECTS 12 INCHES.
LA1302 REFERENCE MARK NO. 2 IS
LA1302 SOUTHWEST OF THE STATION ALONG THE SOUTH EDGE OF THE
LA1302 RIGHT-OF-WAY
LA1302 OF STATE HIGHWAY 28, 29 FEET SOUTH OF THE CENTER LINE OF THE HIGHWAY,
LA1302 0.5 FOOT NORTH OF
LA1302 FENCE LINE, AND PROJECTS 12 INCHES. 236.19
LA1302 FEET BETWEEN THE REFERENCE MARKS.
LA1302
LA1302 AZIMUTH MARK IS ON THE CREST OF THE SECOND HILL TO THE EAST,
LA1302 28 FEET SOUTH OF
LA1302 THE CENTER LINE OF THE HIGHWAY, ALONG THE SOUTH
LA1302 EDGE OF THE RIGHT-OF-WAY, 41-1/2
LA1302 FEET WEST OF A CONCRETE LINE POST,
LA1302 AND PROJECTS 12 INCHES.
LA1302
LA1302
LA1302 STATION RECOVERY (1946)
LA1302
LA1302 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1946
LA1302 ABOUT 0.4 MILE EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1302 WITH STATE HIGHWAY 9 AT THE NORTHEAST PART OF ALEXANDRIA, AT
LA1302 THE SOUTHEAST CORNER OF A CULTIVATED FIELD, AND A BARN ON THE

LA1302 NORTH SIDE OF THE HIGHWAY, 48.5 FEET NORTH OF THE CENTER LINE
LA1302 OF THE HIGHWAY, 46 FEET SOUTHWEST OF THE SOUTHWEST CORNER OF THE
LA1302 BARN, 17 FEET WEST OF THE BARN YARD FENCE, 24 FEET NORTHWEST OF
LA1302 AN 8 INCH WOODEN FENCE CORNER POST, 21 FEET NORTHEAST OF POWER
LA1302 POLE NO. MA 30 41, AND SET IN THE TOP OF A CONCRETE POST
LA1302 ABOUT 1 FOOT BELOW THE SURFACE OF THE GROUND.
LA1302
LA1302 STATION RECOVERY (1948)
LA1302
LA1302 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (JMN)
LA1302 RECOVERED AS DESCRIBED.
LA1302

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1303 **********

LA1303 DESIGNATION - PAINTER RM 1
LA1303 PID - LA1303
LA1303 STATE/COUNTY- IN/MADISON
LA1303 USGS QUAD - ALEXANDRIA
LA1303
LA1303 HORZ DATUM - NAD 83
LA1303 VERT DATUM - NAVD 88
LA1303
LA1303 POSITION - 40 16 40. (N) 085 39 51. (W) SCALED
LA1303 83 minus 27 - +00. -00. NADCON
LA1303
LA1303 HEIGHT - 273.230 (meters) 896.42 (feet) ADJUST
LA1303 88 minus 29 - -0.144 ADJ UNCHK
LA1303 **********
LA1303 GEOID HEIGHT- -34.10 GEOID93
LA1303 MODELED GRAV- 980,096.7 NAVD88
LA1303
LA1303 VERT ORDER - FIRST CLASS 2
LA1303
LA1303 The horizontal coordinates were scaled from a topographic map and have
LA1303 an estimated accuracy of +/- 6 seconds.
LA1303
LA1303 The orthometric height was determined by differential leveling
LA1303 and adjusted by the National Geodetic Survey in June 1991.
LA1303
LA1303 The geoid height was determined by GEOID93.
LA1303
LA1303 The modeled gravity was interpolated from observed gravity values.
LA1303
LA1303 STATION MARK IS A REFERENCE MARK DISK
LA1303 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1303 THE MARK IS STAMPED: PAINTER NO 1 1934
LA1303 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1303 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1303
LA1303 HISTORY - Year Condition Recov. By
LA1303 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1303 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1303
LA1303 STATION DESCRIPTION
LA1303
LA1303 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1303 ABOUT 0.4 MILE EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1303 WITH STATE HIGHWAY 9 AT THE NORTHEAST PART OF ALEXANDRIA, ABOUT
LA1303 127 FEET NORTH-NORTHEAST OF STATION PAINTER, 174 FEET NORTH OF
LA1303 THE CENTER LINE OF THE HIGHWAY, 70 FEET NORTH-NORTHWEST OF THE
LA1303 NORTHWEST CORNER OF THE BARN, 0.5 FOOT WEST OF A FENCE LEADING
LA1303 NORTH, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 10
LA1303 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1304 **********

LA1304 DESIGNATION - PAINTER RM 2
LA1304 PID - LA1304
LA1304 STATE/COUNTY- IN/MADISON
LA1304 USGS QUAD - ALEXANDRIA
LA1304
LA1304 HORZ DATUM - NAD 83
LA1304 VERT DATUM - NAVD 88
LA1304
LA1304 POSITION - 40 16 40. (N) 085 39 51. (W) SCALED
LA1304 83 minus 27 - +00. -00. NADCON
LA1304
LA1304 HEIGHT - 272.356 (meters) 893.55 (feet) ADJUST
LA1304 88 minus 29 - -0.144 ADJ UNCHK

LA1304 **********

LA1304 GEOID HEIGHT- -34.10 GEOID93
LA1304 MODELED GRAV- 980,096.7 NAVD88
LA1304
LA1304 VERT ORDER - FIRST CLASS 2
LA1304
LA1304 The horizontal coordinates were scaled from a topographic map and have
LA1304 an estimated accuracy of +/- 6 seconds.
LA1304
LA1304 The orthometric height was determined by differential leveling
LA1304 and adjusted by the National Geodetic Survey in June 1991.
LA1304
LA1304 The geoid height was determined by GEOID93.
LA1304
LA1304 The modeled gravity was interpolated from observed gravity values.
LA1304
LA1304 STATION MARK IS A REFERENCE MARK DISK
LA1304 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1304 THE MARK IS STAMPED: PAINTER NO II 1934
LA1304 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1304 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1304

LA1304 HISTORY	- Year Condition	Recov. By
LA1304 HISTORY	- 1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1304 HISTORY	- 1946 GOOD	NATIONAL GEODETIC SURVEY

LA1304
LA1304 STATION DESCRIPTION
LA1304
LA1304 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1304 ABOUT 0.4 MILE EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1304 WITH STATE HIGHWAY 9 AT THE NORTHEAST PART OF ALEXANDRIA, ABOUT
LA1304 129 FEET SOUTHWEST AND ACROSS THE HIGHWAY FROM STATION PAINTER,
LA1304 175 FEET SOUTHWEST AND ACROSS THE HIGHWAY FROM THE SOUTHWEST
LA1304 CORNER OF THE BARN, 29 FEET SOUTH OF THE CENTER LINE OF THE
LA1304 HIGHWAY, 75 FEET NORTH OF A TELEPHONE POLE, 0.5 FOOT NORTH OF THE
LA1304 SOUTH RIGHT-OF-WAY FENCE, ABOUT LEVEL WITH THE HIGHWAY, AND SET
LA1304 IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1305 **********
LA1305 DESIGNATION - PAINTER AZ
LA1305 PID - LA1305
LA1305 STATE/COUNTY- IN/MADISON
LA1305 USGS QUAD - ALEXANDRIA
LA1305
LA1305 HORZ DATUM - NAD 83
LA1305 VERT DATUM - NAVD 88
LA1305
LA1305 POSITION - 40 16 41. (N) 085 39 19. (W) SCALED
LA1305 83 minus 27 - +00. -00. NADCON
LA1305
LA1305 HEIGHT - 274.347 (meters) 900.09 (feet) ADJUST
LA1305 88 minus 29 - -0.144 ADJ UNCHK
LA1305 **********
LA1305 GEOID HEIGHT- -34.09 GEOID93
LA1305 MODELED GRAV- 980,097.1 NAVD88
LA1305
LA1305 VERT ORDER - FIRST CLASS 2
LA1305
LA1305 The horizontal coordinates were scaled from a topographic map and have
LA1305 an estimated accuracy of +/- 6 seconds.
LA1305
LA1305 The orthometric height was determined by differential leveling
LA1305 and adjusted by the National Geodetic Survey in June 1991.
LA1305
LA1305 The geoid height was determined by GEOID93.
LA1305
LA1305 The modeled gravity was interpolated from observed gravity values.
LA1305
LA1305 STATION MARK IS A REFERENCE MARK DISK
LA1305 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1305 THE MARK IS STAMPED: PAINTER AZIMUTH 1934
LA1305 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1305 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1305

LA1305 HISTORY	- Year	Condition	Recov. By
LA1305 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1305 HISTORY	- 1946	GOOD	NATIONAL GEODETIC SURVEY

LA1305
LA1305 STATION DESCRIPTION
LA1305
LA1305 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1305 ABOUT 0.75 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS
LA1305 INTERSECTION WITH STATE HIGHWAY 9 AT THE NORTHEAST PART OF
LA1305 ALEXANDRIA, 118 FEET NORTHEAST OF THE NORTHEAST CORNER OF THE
LA1305 EAST ONE OF TWO BUNGALOW HOUSES, 28 FEET SOUTH OF THE CENTER
LA1305 LINE OF THE HIGHWAY, 41 FEET EAST OF AN 8 INCH CONCRETE FENCE
LA1305 CORNER POST, 2 FEET NORTH OF THE SOUTH RIGHT-OF-WAY FENCE LINE,
LA1305 3 FEET NORTHWEST OF TELEPHONE POLE NO. 26, ABOUT 0.5 FOOT ABOVE
LA1305 THE HIGHWAY, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 8
LA1305 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1306 **********

LA1306 DESIGNATION - G 185
LA1306 PID - LA1306
LA1306 STATE/COUNTY- IN/MADISON
LA1306 USGS QUAD - ALEXANDRIA
LA1306
LA1306 HORZ DATUM - NAD 83
LA1306 VERT DATUM - NAVD 88
LA1306
LA1306 POSITION - 40 17 33. (N) 085 39 46. (W) SCALED
LA1306 83 minus 27 - +00. -00. NADCON
LA1306
LA1306 HEIGHT - 273.527 (meters) 897.40 (feet) ADJUST
LA1306 88 minus 29 - -0.144 ADJ UNCHK

LA1306 **********

LA1306 GEOID HEIGHT- -34.10 GEOID93
LA1306 MODELED GRAV- 980,098.3 NAVD88
LA1306
LA1306 VERT ORDER - FIRST CLASS 2
LA1306
LA1306 The horizontal coordinates were scaled from a topographic map and have
LA1306 an estimated accuracy of +/- 6 seconds.
LA1306
LA1306 The orthometric height was determined by differential leveling
LA1306 and adjusted by the National Geodetic Survey in June 1991.
LA1306
LA1306 The geoid height was determined by GEOID93.
LA1306
LA1306 The modeled gravity was interpolated from observed gravity values.
LA1306
LA1306 STATION MARK IS A BENCH MARK DISK
LA1306 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1306 THE MARK IS STAMPED: G 185 1946
LA1306 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1306 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1306
LA1306 HISTORY - Year Condition Recov. By
LA1306 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1306

STATION DESCRIPTION

LA1306
LA1306 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1306 ABOUT 2.0 MILES NORTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1306 THE STATION AT ALEXANDRIA, ABOUT 2 POLES SOUTH OF POLE 151/20,
LA1306 SET IN THE NORTHEAST QUARTER OF A GRAVEL ROAD CROSSING, 101
LA1306 FEET NORTHWEST AND ACROSS THE ROAD FROM THE NORTHWEST CORNER OF
LA1306 A TWO STORY FARM HOUSE, 34 FEET EAST OF THE EAST RAIL, 27 FEET
LA1306 NORTH OF THE CENTER LINE OF THE ROAD, 4.5 FEET NORTHWEST OF A
LA1306 FENCE CORNER, 3.5 FEET WEST OF THE FENCE LINE, ABOUT LEVEL WITH
LA1306 THE CROSSING, AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1306 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1307 **********

LA1307 DESIGNATION - F 185
LA1307 PID - LA1307
LA1307 STATE/COUNTY- IN/MADISON
LA1307 USGS QUAD - ALEXANDRIA
LA1307
LA1307 HORZ DATUM - NAD 83
LA1307 VERT DATUM - NAVD 88
LA1307
LA1307 POSITION - 40 18 16. (N) 085 39 25. (W) SCALED
LA1307 83 minus 27 - +00. -00. NADCON
LA1307
LA1307 HEIGHT - 269.354 (meters) 883.71 (feet) ADJUST
LA1307 88 minus 29 - -0.144 ADJ UNCHK

LA1307 **********

LA1307 GEOID HEIGHT- -34.10 GEOID93
LA1307 MODELED GRAV- 980,099.1 NAVD88
LA1307
LA1307 VERT ORDER - FIRST CLASS 2
LA1307
LA1307 The horizontal coordinates were scaled from a topographic map and have
LA1307 an estimated accuracy of +/- 6 seconds.
LA1307
LA1307 The orthometric height was determined by differential leveling
LA1307 and adjusted by the National Geodetic Survey in June 1991.
LA1307
LA1307 The geoid height was determined by GEOID93.
LA1307
LA1307 The modeled gravity was interpolated from observed gravity values.
LA1307
LA1307 STATION MARK IS A BENCH MARK DISK
LA1307 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1307 THE MARK IS STAMPED: F 185 1946
LA1307 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1307
LA1307 HISTORY - Year Condition Recov. By
LA1307 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1307

STATION DESCRIPTION

LA1307
LA1307 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1307 ABOUT 2.7 MILES NORTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1307 THE STATION AT ALEXANDRIA, ABOUT 2.85 MILES SOUTH OF THE STATION
LA1307 AT SUMMITVILLE, 1 1/2 POLES NORTH OF POLE 150/35, SET IN THE
LA1307 TOP OF THE NORTH END OF THE WEST CONCRETE HEAD WALL OF BRIDGE
LA1307 NO. 401, 6.5 FEET WEST OF THE WEST RAIL, 1 FOOT SOUTH OF THE
LA1307 NORTH END OF THE HEAD WALL, AND ABOUT LEVEL WITH THE TRACK.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1308 **********

LA1308 DESIGNATION - E 185
LA1308 PID - LA1308
LA1308 STATE/COUNTY- IN/MADISON
LA1308 USGS QUAD - ALEXANDRIA
LA1308
LA1308 HORZ DATUM - NAD 83
LA1308 VERT DATUM - NAVD 88
LA1308
LA1308 POSITION - 40 18 47. (N) 085 39 08. (W) SCALED
LA1308 83 minus 27 - +00. -00. NADCON
LA1308
LA1308 HEIGHT - 272.314 (meters) 893.42 (feet) ADJUST
LA1308 88 minus 29 - -0.142 ADJ UNCHK

LA1308 **********

LA1308 GEOID HEIGHT- -34.10 GEOID93
LA1308 MODELED GRAV- 980,099.6 NAVD88
LA1308
LA1308 VERT ORDER - FIRST CLASS 2
LA1308
LA1308 The horizontal coordinates were scaled from a topographic map and have
LA1308 an estimated accuracy of +/- 6 seconds.
LA1308
LA1308 The orthometric height was determined by differential leveling
LA1308 and adjusted by the National Geodetic Survey in June 1991.
LA1308
LA1308 The geoid height was determined by GEOID93.
LA1308
LA1308 The modeled gravity was interpolated from observed gravity values.
LA1308
LA1308 STATION MARK IS A BENCH MARK DISK
LA1308 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1308 THE MARK IS STAMPED: E 185 1946
LA1308 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1308 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1308
LA1308 HISTORY - Year Condition Recov. By
LA1308 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1308

STATION DESCRIPTION

LA1308
LA1308 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1308 ABOUT 2.05 MILES SOUTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1308 THE STATION AT SUMMITVILLE, SET IN THE SOUTHWEST QUARTER OF A
LA1308 BLACK TOP ROAD CROSSING, 117 FEET EAST AND ACROSS THE ROAD AND
LA1308 TRACK FROM MILE POST 150, 35 FEET SOUTHEAST OF THE SOUTHEAST
LA1308 RAIL, 33 FEET EAST OF THE CENTER LINE OF THE NORTH-SOUTH BLACK
LA1308 TOP ROAD, 3.5 FEET SOUTH OF A POWER LINE BRACE POLE, 3 FEET
LA1308 SOUTHWEST OF A 10 INCH CONCRETE FENCE CORNER POST, ABOUT LEVEL
LA1308 WITH THE CROSSING AND SET IN THE TOP OF A CONCRETE POST
LA1308 PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1309 **********
LA1309 DESIGNATION - D 185
LA1309 PID - LA1309
LA1309 STATE/COUNTY- IN/MADISON
LA1309 USGS QUAD - ALEXANDRIA
LA1309
LA1309 HORZ DATUM - NAD 83
LA1309 VERT DATUM - NAVD 88
LA1309
LA1309 POSITION - 40 19 15. (N) 085 38 56. (W) SCALED
LA1309 83 minus 27 - +00. -00. NADCON
LA1309
LA1309 HEIGHT - 270.731 (meters) 888.22 (feet) ADJUST
LA1309 88 minus 29 - -0.142 ADJ UNCHK
LA1309 **********
LA1309 GEOID HEIGHT- -34.10 GEOID93
LA1309 MODELED GRAV- 980,100.0 NAVD88
LA1309
LA1309 VERT ORDER - FIRST CLASS 2
LA1309
LA1309 The horizontal coordinates were scaled from a topographic map and have
LA1309 an estimated accuracy of +/- 6 seconds.
LA1309
LA1309 The orthometric height was determined by differential leveling
LA1309 and adjusted by the National Geodetic Survey in June 1991.
LA1309
LA1309 The geoid height was determined by GEOID93.
LA1309
LA1309 The modeled gravity was interpolated from observed gravity values.
LA1309
LA1309 STATION MARK IS A BENCH MARK DISK
LA1309 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1309 THE MARK IS STAMPED: D 185 1946
LA1309 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1309 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1309
LA1309 HISTORY - Year Condition Recov. By
LA1309 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1309

STATION DESCRIPTION

LA1309
LA1309 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1309 ABOUT 1.4 MILES SOUTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1309 THE STATION AT SUMMITVILLE, ABOUT 100 YARDS SOUTH OF CULVERT
LA1309 396, SET IN THE SOUTHWEST QUARTER OF A GRAVEL ROAD CROSSING, 52
LA1309 FEET NORTH OF THE 3RD POLE SOUTH OF POLE 149/15, 27.5 FEET WEST
LA1309 OF THE WEST RAIL, 19 FEET SOUTH OF THE CENTER LINE OF THE GRAVEL
LA1309 ROAD, 3 FEET EAST OF A 6 INCH CONCRETE FENCE CORNER POST, ABOUT
LA1309 1 FOOT BELOW THE CROSSING, AND SET IN THE TOP OF A CONCRETE POST
LA1309 PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1310 **********

LA1310 DESIGNATION - Y 4
LA1310 PID - LA1310
LA1310 STATE/COUNTY- IN/MADISON
LA1310 USGS QUAD - ALEXANDRIA
LA1310
LA1310 HORZ DATUM - NAD 83
LA1310 VERT DATUM - NAVD 88
LA1310
LA1310 POSITION - 40 20 19. (N) 085 38 39. (W) SCALED
LA1310 83 minus 27 - +00. -00. NADCON
LA1310
LA1310 HEIGHT - 268.912 (meters) 882.26 (feet) ADJUST
LA1310 88 minus 29 - -0.141 ADJ UNCHK

LA1310 **********

LA1310 GEOID HEIGHT- -34.10 GEOID93
LA1310 MODELED GRAV- 980,100.9 NAVD88
LA1310
LA1310 VERT ORDER - FIRST CLASS 2
LA1310
LA1310 The horizontal coordinates were scaled from a topographic map and have
LA1310 an estimated accuracy of +/- 6 seconds.
LA1310
LA1310 The orthometric height was determined by differential leveling
LA1310 and adjusted by the National Geodetic Survey in June 1991.
LA1310
LA1310 The geoid height was determined by GEOID93.
LA1310
LA1310 The modeled gravity was interpolated from observed gravity values.
LA1310
LA1310 STATION MARK IS A CHISELED SQUARE
LA1310 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1310 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1310
LA1310 HISTORY - Year Condition Recov. By
LA1310 HISTORY - UNK STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA1310 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1310
LA1310 STATION DESCRIPTION
LA1310
LA1310 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1310 AT SUMMITVILLE, MADISON COUNTY, AT THE BUILDING FORMERLY OCCUPIED
LA1310 BY THE SUMMITVILLE BANK, AND ON THE NORTH END OF THE DOORSILL.
LA1310 AN OUTLINED SQUARE. NOTE-- THE BUILDING IS NOW THE THREE PIGS
LA1310 CAFE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1311 **********

LA1311 DESIGNATION - C 185
LA1311 PID - LA1311
LA1311 STATE/COUNTY- IN/MADISON
LA1311 USGS QUAD - ALEXANDRIA
LA1311
LA1311 HORZ DATUM - NAD 83
LA1311 VERT DATUM - NAVD 88
LA1311
LA1311 POSITION - 40 20 19. (N) 085 38 39. (W) SCALED
LA1311 83 minus 27 - +00. -00. NADCON
LA1311
LA1311 HEIGHT - 266.423 (meters) 874.09 (feet) ADJUST
LA1311 88 minus 29 - -0.141 ADJ UNCHK

LA1311 **********

LA1311 GEOID HEIGHT- -34.10 GEOID93
LA1311 MODELED GRAV- 980,100.9 NAVD88
LA1311
LA1311 VERT ORDER - FIRST CLASS 2
LA1311
LA1311 The horizontal coordinates were scaled from a topographic map and have
LA1311 an estimated accuracy of +/- 6 seconds.
LA1311
LA1311 The orthometric height was determined by differential leveling
LA1311 and adjusted by the National Geodetic Survey in June 1991.
LA1311
LA1311 The geoid height was determined by GEOID93.
LA1311
LA1311 The modeled gravity was interpolated from observed gravity values.
LA1311
LA1311 STATION MARK IS A BENCH MARK DISK
LA1311 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1311 THE MARK IS STAMPED: C 185 1946
LA1311 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1311
LA1311 HISTORY - Year Condition Recov. By
LA1311 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1311

STATION DESCRIPTION

LA1311
LA1311 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1311 AT SUMMITVILLE, ALONG THE NEW YORK CENTRAL RAILROAD, ABOUT 140
LA1311 FEET NORTH OF THE NORTH END OF THE STATION, SET IN THE TOP OF THE
LA1311 SOUTHEAST CORNER OF THE CONCRETE FOUNDATION OF THE SOUTHEAST
LA1311 PIER OF THE RAILROAD WATER TOWER, ABOUT 3 FEET BELOW THE TRACK.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1312 **********

LA1312 DESIGNATION - Z 4
LA1312 PID - LA1312
LA1312 STATE/COUNTY- IN/MADISON
LA1312 USGS QUAD - ALEXANDRIA
LA1312
LA1312 HORZ DATUM - NAD 83
LA1312 VERT DATUM - NAVD 88
LA1312
LA1312 POSITION - 40 20 45. (N) 085 38 37. (W) SCALED
LA1312 83 minus 27 - +00. -00. NADCON
LA1312
LA1312 HEIGHT - 267.941 (meters) 879.07 (feet) POSTED
LA1312 88 minus 29 - -0.14 VERTCON

LA1312 **********

LA1312 GEOID HEIGHT- -34.11 GEOID93
LA1312 MODELED GRAV- 980,101.3 NAVD88
LA1312
LA1312 VERT ORDER - * POSTED, Code A , SEE BELOW
LA1312
LA1312 The horizontal coordinates were scaled from a topographic map and have
LA1312 an estimated accuracy of +/- 6 seconds.
LA1312
LA1312 The orthometric height was determined by differential leveling
LA1312 and adjusted by the National Geodetic Survey.
LA1312 * This is a POSTED BENCH MARK height. Code A indicates a distribution
LA1312 rate of 0.0 thru 1.0 mm/km.
LA1312
LA1312 The geoid height was determined by GEOID93.
LA1312
LA1312 The modeled gravity was interpolated from observed gravity values.
LA1312
LA1312 STATION MARK IS A BENCH MARK DISK
LA1312 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1312 THE MARK IS STAMPED: ELEV 879.536 FT Z 4
LA1312 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1312 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1312
LA1312 HISTORY - Year Condition Recov. By
LA1312 HISTORY - UNK STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA1312 HISTORY - 1946 UNKNOWN - MARK NOT F NATIONAL GEODETIC SURVEY
LA1312
LA1312 STATION DESCRIPTION
LA1312
LA1312 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1312 AT SUMMITVILLE, MADISON COUNTY, 0.5 MILE NORTH ALONG THE NEW
LA1312 YORK CENTRAL RAILROAD FROM THE STATION, ABOUT 575 FEET NORTH OF
LA1312 A STREET CROSSING, AT THE POINT WHERE A HIGHWAY LEAVES THE
LA1312 TRACK, ON THE EAST SIDE OF THE TRACK, AT THE EAST END OF A JOG
LA1312 IN THE RIGHT-OF-WAY FENCE, AND AT THE FENCE CORNER. A STANDARD
LA1312 DISK, STAMPED ELEV 879.536 FT Z 4 AND SET IN THE TOP OF A
LA1312 CONCRETE POST PROJECTING 11 INCHES ABOVE GROUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1313 **********
LA1313 DESIGNATION - J 185
LA1313 PID - LA1313
LA1313 STATE/COUNTY- IN/MADISON
LA1313 USGS QUAD - ALEXANDRIA
LA1313
LA1313 HORZ DATUM - NAD 83
LA1313 VERT DATUM - NAVD 88
LA1313
LA1313 POSITION - 40 21 30. (N) 085 38 40. (W) SCALED
LA1313 83 minus 27 - +00. -00. NADCON
LA1313
LA1313 HEIGHT - 268.762 (meters) 881.76 (feet) ADJUST
LA1313 88 minus 29 - -0.141 ADJ UNCHK
LA1313 **********
LA1313 GEOID HEIGHT- -34.12 GEOID93
LA1313 MODELED GRAV- 980,101.9 NAVD88
LA1313
LA1313 VERT ORDER - FIRST CLASS 2
LA1313
LA1313 The horizontal coordinates were scaled from a topographic map and have
LA1313 an estimated accuracy of +/- 6 seconds.
LA1313
LA1313 The orthometric height was determined by differential leveling
LA1313 and adjusted by the National Geodetic Survey in June 1991.
LA1313
LA1313 The geoid height was determined by GEOID93.
LA1313
LA1313 The modeled gravity was interpolated from observed gravity values.
LA1313
LA1313 STATION MARK IS A BENCH MARK DISK
LA1313 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1313 THE MARK IS STAMPED: J 185 1946
LA1313 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1313
LA1313 HISTORY - Year Condition Recov. By
LA1313 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1313

STATION DESCRIPTION

LA1313
LA1313 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1313 ABOUT 1.2 MILES NORTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1313 THE STATION AT SUMMITVILLE, ABOUT 100 YARDS NORTH OF A PRIVATE
LA1313 ROAD CROSSING, SET IN THE TOP OF THE WEST END OF THE NORTH
LA1313 CONCRETE ABUTMENT OF A 6 FOOT CONCRETE BRIDGE, 95 FEET SOUTHWEST
LA1313 AND ACROSS THE TRACK FROM A W SIGN POST, 10 FEET WEST OF THE
LA1313 WEST RAIL, 1 FOOT WEST OF THE HEAD WALL OF THE BRIDGE, ABOUT 2
LA1313 FEET BELOW THE TRACK. NOTE-- W POST MEANS WHISTLE POST.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1314 **********

LA1314 DESIGNATION - K 185
LA1314 PID - LA1314
LA1314 STATE/COUNTY- IN/MADISON
LA1314 USGS QUAD - ALEXANDRIA
LA1314
LA1314 HORZ DATUM - NAD 83
LA1314 VERT DATUM - NAVD 88
LA1314
LA1314 POSITION - 40 21 53. (N) 085 38 38. (W) SCALED
LA1314 83 minus 27 - +00. -00. NADCON
LA1314
LA1314 HEIGHT - 269.685 (meters) 884.79 (feet) ADJUST
LA1314 88 minus 29 - -0.141 ADJ UNCHK

LA1314 **********

LA1314 GEOID HEIGHT- -34.12 GEOID93
LA1314 MODELED GRAV- 980,102.2 NAVD88
LA1314
LA1314 VERT ORDER - FIRST CLASS 2
LA1314
LA1314 The horizontal coordinates were scaled from a topographic map and have
LA1314 an estimated accuracy of +/- 6 seconds.
LA1314
LA1314 The orthometric height was determined by differential leveling
LA1314 and adjusted by the National Geodetic Survey in June 1991.
LA1314
LA1314 The geoid height was determined by GEOID93.
LA1314
LA1314 The modeled gravity was interpolated from observed gravity values.
LA1314
LA1314 STATION MARK IS A BENCH MARK DISK
LA1314 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1314 THE MARK IS STAMPED: K 185 1946
LA1314 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1314 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1314
LA1314 HISTORY - Year Condition Recov. By
LA1314 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1314

STATION DESCRIPTION

LA1314
LA1314 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1314 ABOUT 1.65 MILES NORTH ALONG THE NEW YORK CENTRAL RAILROAD FROM
LA1314 THE STATION AT SUMMITVILLE, SET IN THE SOUTHEAST QUARTER OF A
LA1314 GRAVEL ROAD CROSSING, ABOUT 1.0 MILE SOUTH OF THE MADISON-GRANT
LA1314 COUNTY LINE, 81 FEET EAST OF THE EAST RAIL, 83 FEET NORTHEAST
LA1314 AND ACROSS A GRAVEL ROAD PARALLELING THE TRACK FROM RAILROAD
LA1314 CULVERT NO. 387A, 43 FEET EAST OF THE CENTER LINE OF THE GRAVEL
LA1314 ROAD LEADING SOUTH, 18 FEET SOUTH OF THE CENTER LINE OF THE
LA1314 EAST-WEST GRAVEL ROAD, 3 FEET EAST OF TELEPHONE POLE 907, 1 FOOT
LA1314 NORTH OF A FENCE LINE, ABOUT 1 FOOT BELOW THE CROSSING, AND SET
LA1314 IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1330 **********

LA1330 DESIGNATION - G 194
LA1330 PID - LA1330
LA1330 STATE/COUNTY- IN/MADISON
LA1330 USGS QUAD - LAPEL
LA1330
LA1330 HORZ DATUM - NAD 83
LA1330 VERT DATUM - NAVD 88
LA1330
LA1330 POSITION - 40 05 21. (N) 085 51 46. (W) SCALED
LA1330 83 minus 27 - +00. -00. NADCON
LA1330
LA1330 HEIGHT - 258.277 (meters) 847.36 (feet) ADJUST
LA1330 88 minus 29 - -0.132 ADJ UNCHK

LA1330 **********

LA1330 GEOID HEIGHT- -34.11 GEOID93
LA1330 MODELED GRAV- 980,078.8 NAVD88
LA1330
LA1330 VERT ORDER - SECOND CLASS 0
LA1330
LA1330 The horizontal coordinates were scaled from a topographic map and have
LA1330 an estimated accuracy of +/- 6 seconds.
LA1330
LA1330 The orthometric height was determined by differential leveling
LA1330 and adjusted by the National Geodetic Survey in June 1991.
LA1330
LA1330 The geoid height was determined by GEOID93.
LA1330
LA1330 The modeled gravity was interpolated from observed gravity values.
LA1330
LA1330 STATION MARK IS A BENCH MARK DISK
LA1330 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1330 THE MARK IS STAMPED: G 194 1946
LA1330 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1330 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1330
LA1330 HISTORY - Year Condition Recov. By
LA1330 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1330

STATION DESCRIPTION

LA1330
LA1330 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1330 ABOUT 1.45 MILES NORTH ALONG STATE HIGHWAY 13 FROM THE JUNCTION
LA1330 OF STATE HIGHWAYS 32 AND 132 AT FISHERBURG, AT AN EAST-WEST
LA1330 GRAVEL CROSS ROAD, 29 FEET EAST OF THE CENTER LINE OF THE HIGHWAY,
LA1330 28 FEET NORTH OF THE CENTER LINE OF THE GRAVEL ROAD, 13 FEET
LA1330 NORTH OF A FENCE CORNER, 12 FEET NORTH OF A TELEPHONE POLE, 1
LA1330 FOOT WEST OF THE FENCE LINE, ABOUT LEVEL WITH THE HIGHWAY, AND
LA1330 SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1332 **********

LA1332 DESIGNATION - J 194
LA1332 PID - LA1332
LA1332 STATE/COUNTY- IN/MADISON
LA1332 USGS QUAD - LAPEL
LA1332
LA1332 HORZ DATUM - NAD 83
LA1332 VERT DATUM - NAVD 88
LA1332
LA1332 POSITION - 40 07 07. (N) 085 51 47. (W) SCALED
LA1332 83 minus 27 - +00. -00. NADCON
LA1332
LA1332 HEIGHT - 252.713 (meters) 829.11 (feet) ADJUST
LA1332 88 minus 29 - -0.133 ADJ UNCHK

LA1332 **********

LA1332 GEOID HEIGHT- -34.14 GEOID93
LA1332 MODELED GRAV- 980,080.8 NAVD88
LA1332
LA1332 VERT ORDER - SECOND CLASS 0
LA1332
LA1332 The horizontal coordinates were scaled from a topographic map and have
LA1332 an estimated accuracy of +/- 6 seconds.
LA1332
LA1332 The orthometric height was determined by differential leveling
LA1332 and adjusted by the National Geodetic Survey in June 1991.
LA1332
LA1332 The geoid height was determined by GEOID93.
LA1332
LA1332 The modeled gravity was interpolated from observed gravity values.
LA1332
LA1332 STATION MARK IS A BENCH MARK DISK
LA1332 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1332 THE MARK IS STAMPED: J 194 1946
LA1332 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1332 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1332
LA1332 HISTORY - Year Condition Recov. By
LA1332 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1332

STATION DESCRIPTION

LA1332
LA1332 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1332 ABOUT 3.55 MILES NORTH ALONG STATE HIGHWAY 13 FROM THE JUNCTION
LA1332 OF STATE HIGHWAYS 32 AND 132 AT FISHERBURG, ABOUT 1.7 MILES SOUTH
LA1332 OF THE CONCRETE BRIDGE OVER WEST FORK WHITE RIVER AT PERKINSVILLE,
LA1332 MADISON COUNTY, SET IN THE NORTHEAST ANGLE OF AN EAST-WEST GRAVEL
LA1332 CROSS ROAD, 31 FEET EAST OF THE CENTER LINE OF THE HIGHWAY, 29
LA1332 FEET NORTH OF THE CENTER LINE OF THE GRAVEL ROAD, 4.5 FEET SOUTH
LA1332 OF A TELEPHONE POLE, 10.5 FEET NORTH OF A FENCE CORNER, 1 FOOT
LA1332 WEST OF THE FENCE LINE, ABOUT 1 FOOT ABOVE THE HIGHWAY, AND SET
LA1332 IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1340 **********

LA1340 DESIGNATION - E 194
LA1340 PID - LA1340
LA1340 STATE/COUNTY- IN/MADISON
LA1340 USGS QUAD - FRANKTON
LA1340
LA1340 HORZ DATUM - NAD 83
LA1340 VERT DATUM - NAVD 88
LA1340
LA1340 POSITION - 40 10 39. (N) 085 51 44. (W) SCALED
LA1340 83 minus 27 - +00. -00. NADCON
LA1340
LA1340 HEIGHT - 253.854 (meters) 832.85 (feet) ADJUST
LA1340 88 minus 29 - -0.134 ADJ UNCHK

LA1340 **********

LA1340 GEOID HEIGHT- -34.20 GEOID93
LA1340 MODELED GRAV- 980,083.7 NAVD88
LA1340
LA1340 VERT ORDER - SECOND CLASS 0
LA1340
LA1340 The horizontal coordinates were scaled from a topographic map and have
LA1340 an estimated accuracy of +/- 6 seconds.
LA1340
LA1340 The orthometric height was determined by differential leveling
LA1340 and adjusted by the National Geodetic Survey in June 1991.
LA1340
LA1340 The geoid height was determined by GEOID93.
LA1340
LA1340 The modeled gravity was interpolated from observed gravity values.
LA1340
LA1340 STATION MARK IS A BENCH MARK DISK
LA1340 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1340 THE MARK IS STAMPED: E 194 1946
LA1340 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1340 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1340
LA1340 HISTORY - Year Condition Recov. By
LA1340 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1340

STATION DESCRIPTION

LA1340
LA1340 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1340 ABOUT 2.5 MILES NORTH ALONG STATE HIGHWAY 13 FROM THE WEST FORK
LA1340 WHITE RIVER BRIDGE AT PERKINSVILLE, AT AN EAST-WEST GRAVEL CROSS
LA1340 ROAD, 61 FEET EAST OF THE CENTER LINE OF THE HIGHWAY, 26 FEET
LA1340 SOUTH OF THE CENTER LINE OF THE GRAVEL ROAD, 15 FEET SOUTHWEST OF
LA1340 A FENCE CORNER POST, 17 FEET NORTHEAST OF A FENCE CORNER POST,
LA1340 1 FOOT NORTHWEST OF THE FENCE LINE, ABOUT 2.5 FEET BELOW THE
LA1340 HIGHWAY, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6
LA1340 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1341 **********

LA1341 DESIGNATION - R 194
LA1341 PID - LA1341
LA1341 STATE/COUNTY- IN/MADISON
LA1341 USGS QUAD - FRANKTON
LA1341
LA1341 HORZ DATUM - NAD 83
LA1341 VERT DATUM - NAVD 88
LA1341
LA1341 POSITION - 40 11 32. (N) 085 51 44. (W) SCALED
LA1341 83 minus 27 - +00. -00. NADCON
LA1341
LA1341 HEIGHT - 254.875 (meters) 836.20 (feet) ADJUST
LA1341 88 minus 29 - -0.133 ADJ UNCHK

LA1341 **********

LA1341 GEOID HEIGHT- -34.21 GEOID93
LA1341 MODELED GRAV- 980,084.4 NAVD88
LA1341
LA1341 VERT ORDER - SECOND CLASS 0
LA1341
LA1341 The horizontal coordinates were scaled from a topographic map and have
LA1341 an estimated accuracy of +/- 6 seconds.
LA1341
LA1341 The orthometric height was determined by differential leveling
LA1341 and adjusted by the National Geodetic Survey in June 1991.
LA1341
LA1341 The geoid height was determined by GEOID93.
LA1341
LA1341 The modeled gravity was interpolated from observed gravity values.
LA1341
LA1341 STATION MARK IS A BENCH MARK DISK
LA1341 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1341 THE MARK IS STAMPED: R 194 1946
LA1341 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1341 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1341
LA1341 HISTORY - Year Condition Recov. By
LA1341 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1341
LA1341 STATION DESCRIPTION
LA1341
LA1341 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1341 ABOUT 3.5 MILES NORTH ALONG STATE HIGHWAY 13 FROM THE CONCRETE
LA1341 BRIDGE OVER WEST FORK WHITE RIVER AT PERKINSVILLE, AT AN EAST-WEST
LA1341 GRAVEL CROSS ROAD, 0.5 MILE SOUTH OF A BLACK TOP ROAD LEADING
LA1341 WEST TO AROMA, 50 FEET EAST OF THE CENTER LINE OF THE HIGHWAY,
LA1341 49 FEET NORTH OF THE CENTER LINE OF THE GRAVEL ROAD, 44 FEET
LA1341 SOUTH OF A TELEPHONE POLE, 7 FEET NORTH OF A ROUND CONCRETE
LA1341 FENCE CORNER POST, 1 FOOT WEST OF THE FENCE LINE, ABOUT 1.5 FEET
LA1341 ABOUT THE HIGHWAY, AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1341 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1342 **********

LA1342 DESIGNATION - S 194
LA1342 PID - LA1342
LA1342 STATE/COUNTY- IN/MADISON
LA1342 USGS QUAD - FRANKTON
LA1342
LA1342 HORZ DATUM - NAD 83
LA1342 VERT DATUM - NAVD 88
LA1342
LA1342 POSITION - 40 12 24. (N) 085 51 44. (W) SCALED
LA1342 83 minus 27 - +00. -00. NADCON
LA1342
LA1342 HEIGHT - 256.420 (meters) 841.27 (feet) ADJUST
LA1342 88 minus 29 - -0.133 ADJ UNCHK

LA1342 **********

LA1342 GEOID HEIGHT- -34.22 GEOID93
LA1342 MODELED GRAV- 980,085.2 NAVD88
LA1342
LA1342 VERT ORDER - SECOND CLASS 0
LA1342
LA1342 The horizontal coordinates were scaled from a topographic map and have
LA1342 an estimated accuracy of +/- 6 seconds.
LA1342
LA1342 The orthometric height was determined by differential leveling
LA1342 and adjusted by the National Geodetic Survey in June 1991.
LA1342
LA1342 The geoid height was determined by GEOID93.
LA1342
LA1342 The modeled gravity was interpolated from observed gravity values.
LA1342
LA1342 STATION MARK IS A BENCH MARK DISK
LA1342 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1342 THE MARK IS STAMPED: S 194 1946
LA1342 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1342 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1342
LA1342 HISTORY - Year Condition Recov. By
LA1342 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1342

STATION DESCRIPTION

LA1342
LA1342 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1342 ABOUT 4.5 MILES NORTH ALONG STATE HIGHWAY 13 FROM THE CONCRETE
LA1342 BRIDGE OVER WEST FORK WHITE RIVER AT PERKINSVILLE, 0.5 MILE NORTH
LA1342 OF A BLACK TOP ROAD LEADING WEST TO AROMA, SET IN THE SOUTHEAST
LA1342 ANGLE OF THE T JUNCTION OF A GRAVEL ROAD LEADING EAST, 49 FEET
LA1342 EAST OF THE CENTER LINE OF THE HIGHWAY, 54 FEET SOUTH OF THE
LA1342 CENTER LINE OF THE SIDE ROAD, 20 FEET SOUTH OF A CONCRETE FENCE
LA1342 CORNER POST, 1 FOOT WEST OF THE FENCE LINE, ABOUT LEVEL WITH
LA1342 THE HIGHWAY, AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1342 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1344 **********

LA1344 DESIGNATION - U 194
LA1344 PID - LA1344
LA1344 STATE/COUNTY- IN/MADISON
LA1344 USGS QUAD - FRANKTON
LA1344
LA1344 HORZ DATUM - NAD 83
LA1344 VERT DATUM - NAVD 88
LA1344
LA1344 POSITION - 40 13 58. (N) 085 51 24. (W) SCALED
LA1344 83 minus 27 - +00. -00. NADCON
LA1344
LA1344 HEIGHT - 256.466 (meters) 841.42 (feet) ADJUST
LA1344 88 minus 29 - -0.132 ADJ UNCHK

LA1344 **********

LA1344 GEOID HEIGHT- -34.23 GEOID93
LA1344 MODELED GRAV- 980,086.5 NAVD88
LA1344
LA1344 VERT ORDER - SECOND CLASS 0
LA1344
LA1344 The horizontal coordinates were scaled from a topographic map and have
LA1344 an estimated accuracy of +/- 6 seconds.
LA1344
LA1344 The orthometric height was determined by differential leveling
LA1344 and adjusted by the National Geodetic Survey in June 1991.
LA1344
LA1344 The geoid height was determined by GEOID93.
LA1344
LA1344 The modeled gravity was interpolated from observed gravity values.
LA1344
LA1344 STATION MARK IS A BENCH MARK DISK
LA1344 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1344 THE MARK IS STAMPED: U 194 1946
LA1344 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1344
LA1344 HISTORY - Year Condition Recov. By
LA1344 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1344
LA1344 STATION DESCRIPTION
LA1344
LA1344 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1344 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1344 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 4.1 MILES SOUTH
LA1344 ALONG STATE HIGHWAY 37, 204 FEET SOUTH OF THE CENTER LINE OF A
LA1344 GRAVEL CROSS ROAD, 36 FEET EAST OF THE CENTER LINE OF THE HIGHWAY,
LA1344 AND SET IN THE TOP OF THE SOUTH END OF THE EAST HEAD WALL OF A
LA1344 2 BY 3 FOOT CONCRETE CULVERT, AND ABOUT 3 FEET BELOW THE HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1345 ***
LA1345 DESIGNATION - V 194
LA1345 PID   - LA1345
LA1345 STATE/COUNTY- IN/MADISON
LA1345 USGS QUAD   - FRANKTON
LA1345
LA1345 HORZ DATUM - NAD 83
LA1345 VERT DATUM - NAVD 88
LA1345
LA1345 POSITION   - 40 14 00.   (N)   085 50 31.   (W)   SCALED
LA1345 83 minus 27 -   +00.   -00.   NADCON
LA1345
LA1345 HEIGHT   -   259.832 (meters)   852.46   (feet) ADJUST
LA1345 88 minus 29 -   -0.133   ADJ UNCHK
LA1345 ***
LA1345 GEOID HEIGHT-   -34.23   GEOID93
LA1345 MODELED GRAV-   980,086.6   NAVD88
LA1345
LA1345 VERT ORDER - SECOND   CLASS 0
LA1345
LA1345 The horizontal coordinates were scaled from a topographic map and have
LA1345 an estimated accuracy of +/- 6 seconds.
LA1345
LA1345 The orthometric height was determined by differential leveling
LA1345 and adjusted by the National Geodetic Survey in June 1991.
LA1345
LA1345 The geoid height was determined by GEOID93.
LA1345
LA1345 The modeled gravity was interpolated from observed gravity values.
LA1345
LA1345 STATION MARK IS A BENCH MARK DISK
LA1345 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1345 THE MARK IS STAMPED: V 194 1946
LA1345 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1345 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1345
LA1345 HISTORY   - Year Condition   Recov. By
LA1345 HISTORY   - 1946 STATION MONUMENTED   COAST AND GEODETIC SURVEY
LA1345
LA1345   STATION DESCRIPTION
LA1345
LA1345 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1345 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1345 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 4.1 MILES SOUTH
LA1345 ALONG STATE HIGHWAY 37, THENCE ABOUT 0.8 MILE EAST ALONG A GRAVEL
LA1345 COUNTY ROAD, AT THE INTERSECTION OF A NORTH-SOUTH BLACK TOP ROAD,
LA1345 36 FEET WEST OF THE CENTER LINE OF THE BLACK TOP ROAD, 18 FEET
LA1345 NORTH OF THE CENTER LINE OF THE GRAVEL ROAD, 17 FEET WEST OF A
LA1345 FENCE CORNER, 13 FEET WEST OF A TELEPHONE POLE, 1 FOOT SOUTH OF
LA1345 A FENCE LINE, ABOUT 0.5 FOOT BELOW THE INTERSECTION, AND SET IN
LA1345 THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1346 **********
LA1346 DESIGNATION - FRANKTON RM 1
LA1346 PID - LA1346
LA1346 STATE/COUNTY- IN/MADISON
LA1346 USGS QUAD - FRANKTON
LA1346
LA1346 HORZ DATUM - NAD 83
LA1346 VERT DATUM - NAVD 88
LA1346
LA1346 POSITION - 40 14 06. (N) 085 49 31. (W) SCALED
LA1346 83 minus 27 - +00. -00. NADCON
LA1346
LA1346 HEIGHT - 262.071 (meters) 859.81 (feet) ADJUST
LA1346 88 minus 29 - -0.133 ADJ UNCHK
LA1346 **********
LA1346 GEOID HEIGHT- -34.22 GEOID93
LA1346 MODELED GRAV- 980,086.8 NAVD88
LA1346
LA1346 VERT ORDER - SECOND CLASS 0
LA1346
LA1346 The horizontal coordinates were scaled from a topographic map and have
LA1346 an estimated accuracy of +/- 6 seconds.
LA1346
LA1346 The orthometric height was determined by differential leveling
LA1346 and adjusted by the National Geodetic Survey in June 1991.
LA1346
LA1346 The geoid height was determined by GEOID93.
LA1346
LA1346 The modeled gravity was interpolated from observed gravity values.
LA1346
LA1346 STATION MARK IS A REFERENCE MARK DISK
LA1346 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1346 THE MARK IS STAMPED: FRANKTON NO 1 1934
LA1346 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1346 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1346
LA1346 HISTORY - Year Condition Recov. By
LA1346 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1346 HISTORY - 1970 GOOD NATIONAL GEODETIC SURVEY
LA1346
LA1346 STATION DESCRIPTION
LA1346
LA1346 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970
LA1346 TO REACH THE MARK FROM THE POST OFFICE IN ELWOOD, GO SOUTH ON
LA1346 STATE HIGHWAY 13 FOR 2.0 MILES TO THE JUNCTION OF STATE HIGHWAY
LA1346 37, CONTINUE SOUTH ON 900 W ROAD FOR 1.0 MILE TO A CROSSROAD, TURN
LA1346 LEFT AND GO EAST ON 900 N ROAD FOR 0.9 MILE TO A FARM LANE ON THE
LA1346 LEFT, TURN LEFT AND GO NORTH ON THE FARM LANE FOR 0.2 MILE TO
LA1346 THE MARK ON THE RIGHT. THE MARK IS 162 FEET SOUTH OF A METAL
LA1346 WITNESS POST AND 0.5 FOOT EAST OF A NORTH-SOUTH FENCE LINE. IT
LA1346 IS SET IN THE TOP OF A 10-INCH SQUARE CONCRETE MONUMENT WHICH
LA1346 PROJECTS 1-INCH.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1347 **********

LA1347 DESIGNATION - FRANKTON
LA1347 PID - LA1347
LA1347 STATE/COUNTY- IN/MADISON
LA1347 USGS QUAD - FRANKTON
LA1347
LA1347 HORZ DATUM - NAD 83
LA1347 VERT DATUM - NAVD 88
LA1347
LA1347 POSITION - 40 14 07.09811(N) 085 49 32.73753(W) ADJUSTED
LA1347 83 minus 27 - +00.14116 -00.07407 NADCON
LA1347
LA1347 HEIGHT - 262.672 (meters) 861.78 (feet) ADJUST
LA1347 88 minus 29 - -0.134 ADJ UNCHK

LA1347 **********

LA1347 LAPLACE CORR- 1.32 DEFLEC93
LA1347 GEOID HEIGHT- -34.22 GEOID93
LA1347 MODELED GRAV- 980,086.8 NAVD88
LA1347
LA1347 HORZ ORDER - FIRST
LA1347 VERT ORDER - SECOND CLASS 0
LA1347
LA1347 The horizontal position was established by classical geodetic methods
LA1347 and adjusted by the National Geodetic Survey in July 1986.
LA1347
LA1347 The orthometric height was determined by differential leveling
LA1347 and adjusted by the National Geodetic Survey in June 1991.
LA1347
LA1347 The Laplace correction was computed from DEFLEC93 derived deflections.
LA1347
LA1347 The geoid height was determined by GEOID93.
LA1347
LA1347 The modeled gravity was interpolated from observed gravity values.
LA1347

		North	East	Scale	Converg.	
LA1347 SPC IN E	-	553,656.447	86,461.566	0.99996892	-0 06 09.9	MT
LA1347 UTM 16	-	4,454,535.517	599,889.016	0.99972283	+0 45 30.7	MT

LA1347

		Primary Azimuth Mark	Grid Az
LA1347 SPC IN E	-	FRANKTON AZ MK 2	129 49 56.4
LA1347 UTM 16	-	FRANKTON AZ MK 2	128 58 15.8

LA1347

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2146	FRANKTON MUNICIPAL TANK	APPROX. 4.3 KM	1132400.1
	FRANKTON AZ MK		1294312.9
	FRANKTON AZ MK 2		1294346.5
LA1346	FRANKTON RM 1	48.971 METERS	17322
LA1348	FRANKTON RM 2	33.360 METERS	27623
LA1349	FRANKTON RM 3	31.756 METERS	31646
LA2161	ELWOOD PIPELINE MICROWAVE MST	APPROX. 7.1 KM	3325303.6
LA2155	ELWOOD MC BETH EVANS GLASS TK	APPROX. 6.1 KM	3394552.9
LA2153	ELWOOD ST JOSEPH CATH CH SPIRE	APPROX. 4.8 KM	3405642.4
LA2154	ELWOOD SELLERS KITCHEN CAB TK	APPROX. 5.1 KM	3413643.0
LA2160	ELWOOD MUNICIPAL TANK	APPROX. 5.4 KM	3442613.7
LA2152	ELWOOD CITY HALL DOME	APPROX. 4.7 KM	3452302.7

LA1347

LA1347 STATION MARK IS A TRIANGULATION STATION DISK
LA1347 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1347 THE MARK IS STAMPED: FRANKTON 1934
LA1347 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1347 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LA1347 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
LA1347
LA1347 HISTORY - Year Condition Recov. By
LA1347 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1347 HISTORY - 1948 GOOD COAST AND GEODETIC SURVEY
LA1347 HISTORY - 1970 NATIONAL GEODETIC SURVEY
LA1347 HISTORY - 1976 GOOD NATIONAL GEODETIC SURVEY
LA1347 HISTORY - 1988 GOOD NATIONAL GEODETIC SURVEY
LA1347
LA1347 STATION DESCRIPTION
LA1347
LA1347 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA1347 3 MILES SOUTH AND 0.8 MILE EAST FROM THE POST OFFICE IN ELWOOD, ON A
LA1347 PROMINENT KNOLL, IN THE
LA1347 NORTHWEST CORNER OF A PASTURE OWNED BY JOHN RICHWINE,
LA1347 134 FEET SOUTHEAST OF THE
LA1347 SOUTHEAST CORNER OF RICHWINES BARN,
LA1347 20 FEET WEST OF THE EAST PASTURE FENCE, 16
LA1347 FEET SOUTH OF THE SOUTH
LA1347 BARN LOT FENCE, AND 12 INCHES UNDERGROUND.
LA1347
LA1347 TO REACH FROM THE POST OFFICE IN ELWOOD, GO SOUTH ON STATE
LA1347 HIGHWAY 13 FOR 3.0
LA1347 MILES, THEN EAST ON GRAVEL CROSS ROAD 0.8 MILE,
LA1347 THEN NORTH ON LANE THROUGH PASTURE
LA1347 0.2 MILE TO STATION.
LA1347
LA1347 SURFACE AND UNDERGROUND MARKS ARE STANDARD BRONZE DISKS SET
LA1347 IN CONCRETE.
LA1347
LA1347 REFERENCE MARK NO. 1 IS SOUTH OF THE STATION, IN THE EAST
LA1347 PASTURE FENCE,
LA1347 213.79 FEET SOUTHEAST OF REFERENCE MARK NO. 2, AND
LA1347 IS SET FLUSH.
LA1347 REFERENCE MARK NO. 2 IS WEST OF THE STATION,
LA1347 AT THE SOUTHWEST CORNER OF THE BARN LOT,
LA1347 AND IS SET FLUSH.
LA1347
LA1347 AZIMUTH MARK IS SOUTHEAST OF THE STATION, IN THE NORTHWEST
LA1347 ANGLE OF A GRAVEL
LA1347 CROSSROADS, IN THE SOUTHEAST CORNER OF A FIELD,
LA1347 4 FEET WEST OF THE CORNER POST OF
LA1347 THE RIGHT-OF-WAY FENCES, AND
LA1347 PROJECTS 10 INCHES.
LA1347
LA1347 90-FOOT TOWER WILL CLEAR ALL LINES.
LA1347
LA1347
LA1347 STATION RECOVERY (1948)
LA1347
LA1347 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (JMN)
LA1347 RECOVERED AS DESCRIBED.
LA1347
LA1347
LA1347 STATION RECOVERY (1970)

LA1347
LA1347 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA1347 THE STATION MARK, REFERENCE MARKS 1 AND 2 AND THE AZIMUTH MARK
LA1347 WERE RECOVERED IN GOOD CONDITION. A DIFFERENCE WAS NOTED IN
LA1347 THE DIRECTION TO THE AZIMUTH MARK. THE PROPERTY OWNER REQUESTED
LA1347 REFERENCE MARK 2 BE REMOVED FROM HIS PASTURE. THE MARK WAS
LA1347 DESTROYED AT THIS TIME AND REFERENCE MARK 3 WAS ESTABLISHED. A
LA1347 NEW AND COMPLETE DESCRIPTION FOLLOWS.
LA1347
LA1347 THE STATION IS LOCATED ABOUT 3 MILES SOUTHEAST OF ELWOOD AND
LA1347 2 MILES NORTHWEST OF FRANKTON. THE PROPERTY IS OWNED BY MR.
LA1347 JOHN T. RICHWINE WHO LIVES AT THE STATION SITE. HIS TELEPHONE
LA1347 NUMBER IS 552-7913.
LA1347
LA1347 TO REACH THE STATION FROM THE POST OFFICE IN ELWOOD, GO SOUTH
LA1347 ON STATE HIGHWAY 13 FOR 2.0 MILES TO THE JUNCTION OF STATE
LA1347 HIGHWAY 37, CONTINUE SOUTH ON 900 W ROAD FOR 1.0 MILE TO A
LA1347 CROSSROAD, TURN LEFT AND GO EAST ON 900 N ROAD FOR 0.9 MILE TO
LA1347 A FARM LANE ON THE LEFT, (TO REACH THE AZIMUTH MARK FROM THIS
LA1347 POINT, CONTINUE EAST ON 900 N ROAD FOR 0.15 MILE TO A CROSSROAD
LA1347 AND THE MARK IN THE NORTHWEST ANGLE OF INTERSECTION), TURN LEFT
LA1347 AND GO NORTH ON THE FARM LANE FOR 0.2 MILE TO THE STATION ON THE
LA1347 RIGHT, JUST BEFORE REACHING THE HOUSE AND A LARGE RED BARN.
LA1347
LA1347 THE STATION MARK IS A STANDARD DISK STAMPED FRANKTON 1934, SET
LA1347 IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT WHICH IS
LA1347 10 INCHES UNDERGROUND. IT IS 181 FEET EAST OF THE CENTER OF THE
LA1347 FARM LANE, 104 FEET SOUTHEAST OF THE SOUTHEAST CORNER OF BARN
LA1347 AND 19.8 FEET WEST OF A METAL WITNESS POST SET IN NORTH-SOUTH
LA1347 FENCE LINE.
LA1347
LA1347 REFERENCE MARK 1 IS A STANDARD DISK STAMPED FRANKTON NO 1 1934,
LA1347 SET IN THE TOP OF A 10-INCH SQUARE CONCRETE MONUMENT WHICH PROJECTS
LA1347 1 INCH. IT IS 162 FEET SOUTH OF THE METAL WITNESS POST AND 0.5
LA1347 FOOT EAST OF THE NORTH-SOUTH WIRE FENCE.
LA1347
LA1347 REFERENCE MARK 3 IS A STANDARD DISK STAMPED FRANKTON 1934 NO 3
LA1347 1970 BM RESET, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE
LA1347 MONUMENT WHICH IS FLUSH WITH THE GROUND SURFACE. IT IS 105 FEET
LA1347 EAST OF THE CENTER OF THE FARM LANE AND 3.5 FEET WEST OF THE
LA1347 SOUTHEAST CORNER OF BARN.
LA1347
LA1347 THE AZIMUTH MARK IS A STANDARD DISK STAMPED FRANKTON AZIMUTH
LA1347 1934, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT
LA1347 WHICH PROJECTS 10 INCHES. IT IS 28 FEET NORTHWEST OF THE CENTER
LA1347 OF THE INTERSECTION, 4 FEET WEST OF THE CORNER POST OF A WIRE
LA1347 FENCE AND 1 FOOT NORTH OF AN EAST-WEST WIRE FENCE.
LA1347
LA1347 HEIGHT OF LIGHT ABOVE STATION MARK 100.7 FEET.
LA1347
LA1347 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN
LA1347 3 MILES SOUTHEAST OF ELWOOD.
LA1347
LA1347
LA1347 STATION RECOVERY (1976)
LA1347
LA1347 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1976 (DDJ)
LA1347 STATION DESCRIPTION IS ADEQUATE. STATION MARK WAS OCCUPIED AS THE
LA1347 ANTENNA SITE FOR DOPPLER STATION 51166.
LA1347

LA1347 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN--3 MILES SOUTHEAST
LA1347 OF ELWOOD, INDIANA.
LA1347
LA1347
LA1347 STATION RECOVERY (1988)
LA1347
LA1347 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1988
LA1347 THE STATION IS LOCATED ABOUT 24.1 KM (15.00 MI) NORTHWEST OF
LA1347 ANDERSON,19.3 KM (12.00 MI) WEST OF INTERSTATE HIGHWAY 69, 6.4 KM
LA1347 (4.00 MI) SOUTH OF ELWOOD AND ON PRIVATE PROPERTY. OWNERSHIP--JOHN
LA1347 RICHWINE III, UNABLE TO GET PHONE NUMBER OR ADDRESS OF OWNER.
LA1347 TO REACH THE STATION FROM THE POST OFFICE IN ELWOOD, GO SOUTH ON
LA1347 STATE HIGHWAY 13, ANDERSON STREET, FOR 3.4 KM (2.10 MI) TO THE
LA1347 JUNCTION OF STATE HIGHWAY 37. CONTINUE SOUTH ON WHAT HAS NOW TURNED
LA1347 INTO COUNTY ROAD 900W FOR 1.6 KM (1.00 MI) TO A CROSSROAD. TURN LEFT
LA1347 AND GO EAST ON COUNTY ROAD 900N FOR 1.45 KM (0.90 MI) TO A LONG
LA1347 DRIVEWAY LEFT. TURN LEFT AND GO NORTH ON DRIVEWAY FOR 0.32 KM
LA1347 (0.20 MI) TO A BARN ON THE RIGHT AND THE STATION.
LA1347 THE STATION IS A STANDARD CGS STATION MARK DISK STAMPED---FRANKTON
LA1347 1934---, SET IN THE TOP OF A CONCRETE POST THAT IS 0.3 M (1.0 FT)
LA1347 BELOW THE GROUND SURFACE. LOCATED 40.84 M (134.0 FT) SOUTHEAST FROM
LA1347 SOUTHEAST CORNER OF THE BARN, 22.95 M (75.3 FT) SOUTH FROM A
LA1347 FENCELINE AND 6.04 M (19.8 FT) WEST FROM A WITNESS POST IN A
LA1347 FENCELINE.
LA1347 GPS SURVEY, FAA AIRPORTS, INDIANA.
LA1347 DESCRIBED BY D.L. ADAMS.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1349 **********
LA1349 DESIGNATION - FRANKTON RM 3
LA1349 PID - LA1349
LA1349 STATE/COUNTY- IN/MADISON
LA1349 USGS QUAD - FRANKTON
LA1349
LA1349 HORZ DATUM - NAD 83
LA1349 VERT DATUM - NGVD 29
LA1349
LA1349 POSITION - 40 14 06. (N) 085 49 31. (W) SCALED
LA1349 83 minus 27 - +00. -00. NADCON
LA1349
LA1349 HEIGHT - 264.07 (meters) 866.4 (feet) RESET COMP
LA1349 88 minus 29 - -0.14 VERTCON
LA1349 **********
LA1349 GEOID HEIGHT- -34.22 GEOID93
LA1349
LA1349 VERT ORDER - ?
LA1349
LA1349 The horizontal coordinates were scaled from a topographic map and have
LA1349 an estimated accuracy of +/- 6 seconds.
LA1349
LA1349 The orthometric height was computed from unverified reset data.
LA1349
LA1349 The geoid height was determined by GEOID93.
LA1349
LA1349 STATION MARK IS A REFERENCE MARK DISK
LA1349 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1349 THE MARK IS STAMPED: FRANKTON 1934 NO 3 1970 BM RESET
LA1349 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1349 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1349
LA1349 HISTORY - Year Condition Recov. By
LA1349 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA1349 HISTORY - 1976 GOOD NATIONAL GEODETIC SURVEY
LA1349
LA1349 STATION DESCRIPTION
LA1349
LA1349 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970
LA1349 TO REACH THE MARK FROM THE POST OFFICE IN ELWOOD, GO SOUTH ON
LA1349 STATE HIGHWAY 13 FOR 2.0 MILES TO THE JUNCTION OF STATE HIGHWAY
LA1349 37, CONTINUE SOUTH ON 900 W ROAD FOR 1.0 MILE TO A CROSSROAD,
LA1349 TURN LEFT AND GO EAST ON 900 N ROAD FOR 0.9 MILE TO A FARM LANE
LA1349 ON THE LEFT, TURN LEFT AND GO NORTH ON THE FARM LANE FOR 0.2 MILE
LA1349 TO THE MARK ON THE RIGHT. THE MARK IS 105 FEET EAST OF THE
LA1349 CENTER OF THE FARM LANE AND 3.5 FEET WEST OF THE SOUTHEAST CORNER
LA1349 OF A LARGE RED BARN. IT IS SET IN THE TOP OF A 12-INCH
LA1349 CYLINDRICAL CONCRETE MONUMENT WHICH IS FLUSH WITH THE GROUND.
LA1349
LA1349 STATION RECOVERY (1976)
LA1349
LA1349 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1976
LA1349

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1350 **********

LA1350 DESIGNATION - FRANKTON AZ
LA1350 PID - LA1350
LA1350 STATE/COUNTY- IN/MADISON
LA1350 USGS QUAD - FRANKTON
LA1350
LA1350 HORZ DATUM - NAD 83
LA1350 VERT DATUM - NAVD 88
LA1350
LA1350 POSITION - 40 14 02. (N) 085 49 23. (W) SCALED
LA1350 83 minus 27 - +00. -00. NADCON
LA1350
LA1350 HEIGHT - 260.126 (meters) 853.43 (feet) ADJUST
LA1350 88 minus 29 - -0.133 ADJ UNCHK

LA1350 **********

LA1350 GEOID HEIGHT- -34.22 GEOID93
LA1350 MODELED GRAV- 980,086.8 NAVD88
LA1350
LA1350 VERT ORDER - SECOND CLASS 0
LA1350
LA1350 The horizontal coordinates were scaled from a topographic map and have
LA1350 an estimated accuracy of +/- 6 seconds.
LA1350
LA1350 The orthometric height was determined by differential leveling
LA1350 and adjusted by the National Geodetic Survey in June 1991.
LA1350
LA1350 The geoid height was determined by GEOID93.
LA1350
LA1350 The modeled gravity was interpolated from observed gravity values.
LA1350
LA1350 STATION MARK IS A REFERENCE MARK DISK
LA1350 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1350 THE MARK IS STAMPED: FRANKTON AZIMUTH 1934
LA1350 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1350 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1350

LA1350	HISTORY	Year Condition	Recov. By
LA1350	HISTORY	1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1350	HISTORY	1970 GOOD	NATIONAL GEODETIC SURVEY

LA1350
LA1350 STATION DESCRIPTION
LA1350
LA1350 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970
LA1350 TO REACH THE MARK FROM THE POST OFFICE IN ELWOOD, GO SOUTH ON
LA1350 STATE HIGHWAY 13 FOR 2.0 MILES TO THE JUNCTION OF STATE HIGHWAY
LA1350 37, CONTINUE SOUTH ON 900 W ROAD FOR 1.0 MILE TO A CROSSROAD,
LA1350 TURN LEFT AND GO EAST ON 900 N ROAD FOR 1.05 MILES TO A CROSSROAD
LA1350 AND THE MARK IN THE NORTHWEST ANGLE OF INTERSECTION. THE MARK IS
LA1350 28 FEET NORTHWEST OF THE CENTER OF THE INTERSECTION, 4 FEET WEST
LA1350 OF THE CORNER POST OF A WIRE FENCE AND 1-FOOT NORTH OF AN EAST-WEST
LA1350 WIRE FENCE. IT IS SET IN THE TOP OF A 12-INCH CYLINDRICAL
LA1350 CONCRETE MONUMENT WHICH PROJECTS 10 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1351 **********

LA1351 DESIGNATION - W 194
LA1351 PID - LA1351
LA1351 STATE/COUNTY- IN/MADISON
LA1351 USGS QUAD - FRANKTON
LA1351
LA1351 HORZ DATUM - NAD 83
LA1351 VERT DATUM - NAVD 88
LA1351
LA1351 POSITION - 40 14 39. (N) 085 50 55. (W) SCALED
LA1351 83 minus 27 - +00. -00. NADCON
LA1351
LA1351 HEIGHT - 256.884 (meters) 842.79 (feet) ADJUST
LA1351 88 minus 29 - -0.132 ADJ UNCHK

LA1351 **********

LA1351 GEOID HEIGHT- -34.24 GEOID93
LA1351 MODELED GRAV- 980,087.2 NAVD88
LA1351
LA1351 VERT ORDER - SECOND CLASS 0
LA1351
LA1351 The horizontal coordinates were scaled from a topographic map and have
LA1351 an estimated accuracy of +/- 6 seconds.
LA1351
LA1351 The orthometric height was determined by differential leveling
LA1351 and adjusted by the National Geodetic Survey in June 1991.
LA1351
LA1351 The geoid height was determined by GEOID93.
LA1351
LA1351 The modeled gravity was interpolated from observed gravity values.
LA1351
LA1351 STATION MARK IS A BENCH MARK DISK
LA1351 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1351 THE MARK IS STAMPED: W 194 1946
LA1351 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1351
LA1351 HISTORY - Year Condition Recov. By
LA1351 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1351

STATION DESCRIPTION

LA1351
LA1351 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1351 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1351 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 3.2 MILES SOUTH
LA1351 ALONG STATE HIGHWAY 37, ABOUT 0.45 MILE SOUTHWEST OF THE Y JUNCTION
LA1351 OF STATE HIGHWAY 13 LEADING NORTH TO ELWOOD, 0.1 MILE NORTHEAST
LA1351 OF A BRICK HOUSE ON THE NORTHWEST SIDE OF THE HIGHWAY, ACROSS
LA1351 HIGHWAY FROM A LARGE DOUBLE BILBOARD SIGN, 33 FEET NORTHWEST OF
LA1351 THE CENTER LINE OF THE HIGHWAY, AND SET IN THE TOP OF THE NORTHEAST
LA1351 END OF THE NORTHWEST HEAD WALL OF A 3 BY 3 FOOT CONCRETE CULVERT,
LA1351 AND ABOUT 5 FEET BELOW THE HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1352 **********

LA1352 DESIGNATION - X 194
LA1352 PID - LA1352
LA1352 STATE/COUNTY- IN/MADISON
LA1352 USGS QUAD - FRANKTON
LA1352
LA1352 HORZ DATUM - NAD 83
LA1352 VERT DATUM - NAVD 88
LA1352
LA1352 POSITION - 40 14 57. (N) 085 50 26. (W) SCALED
LA1352 83 minus 27 - +00. -00. NADCON
LA1352
LA1352 HEIGHT - 262.657 (meters) 861.73 (feet) ADJUST
LA1352 88 minus 29 - -0.132 ADJ UNCHK

LA1352 **********

LA1352 GEOID HEIGHT- -34.23 GEOID93
LA1352 MODELED GRAV- 980,087.6 NAVD88
LA1352
LA1352 VERT ORDER - SECOND CLASS 0
LA1352
LA1352 The horizontal coordinates were scaled from a topographic map and have
LA1352 an estimated accuracy of +/- 6 seconds.
LA1352
LA1352 The orthometric height was determined by differential leveling
LA1352 and adjusted by the National Geodetic Survey in June 1991.
LA1352
LA1352 The geoid height was determined by GEOID93.
LA1352
LA1352 The modeled gravity was interpolated from observed gravity values.
LA1352
LA1352 STATION MARK IS A BENCH MARK DISK
LA1352 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1352 THE MARK IS STAMPED: X 194 1946
LA1352 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1352 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1352
LA1352 HISTORY - Year Condition Recov. By
LA1352 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1352

STATION DESCRIPTION

LA1352
LA1352 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1352 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1352 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 2.55 MILES SOUTH
LA1352 ALONG STATE HIGHWAY 37, ABOUT 0.2 MILE NORTHEAST OF THE Y JUNCTION
LA1352 OF STATE HIGHWAY 13 LEADING NORTH TO ELWOOD, AT THE SOUTHWEST
LA1352 CORNER OF THE ELWOOD AIRPORT, 49 FEET SOUTHEAST OF THE CENTER
LA1352 LINE OF THE HIGHWAY, 96 FEET SOUTHWEST OF THE CENTER LINE OF THE
LA1352 SOUTHWEST ENTRANCE TO THE AIRPORT (NOT MAIN ENTRANCE), 1 FOOT
LA1352 NORTHWEST OF A FENCE LINE AND SET IN THE TOP OF A CONCRETE POST
LA1352 PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1353 **********

LA1353 DESIGNATION - Y 194
LA1353 PID - LA1353
LA1353 STATE/COUNTY- IN/MADISON
LA1353 USGS QUAD - ELWOOD
LA1353
LA1353 HORZ DATUM - NAD 83
LA1353 VERT DATUM - NAVD 88
LA1353
LA1353 POSITION - 40 15 00. (N) 085 50 20. (W) SCALED
LA1353 83 minus 27 - +00. -00. NADCON
LA1353
LA1353 HEIGHT - 262.239 (meters) 860.36 (feet) ADJUST
LA1353 88 minus 29 - -0.132 ADJ UNCHK

LA1353 **********

LA1353 GEOID HEIGHT- -34.23 GEOID93
LA1353 MODELED GRAV- 980,087.7 NAVD88
LA1353
LA1353 VERT ORDER - SECOND CLASS 0
LA1353
LA1353 The horizontal coordinates were scaled from a topographic map and have
LA1353 an estimated accuracy of +/- 6 seconds.
LA1353
LA1353 The orthometric height was determined by differential leveling
LA1353 and adjusted by the National Geodetic Survey in June 1991.
LA1353
LA1353 The geoid height was determined by GEOID93.
LA1353
LA1353 The modeled gravity was interpolated from observed gravity values.
LA1353
LA1353 STATION MARK IS A BENCH MARK DISK
LA1353 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1353 THE MARK IS STAMPED: Y 194 1946
LA1353 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1353
LA1353 HISTORY - Year Condition Recov. By
LA1353 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1353
LA1353 STATION DESCRIPTION
LA1353
LA1353 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1353 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1353 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 2.55 MILES SOUTH
LA1353 ALONG STATE HIGHWAY 37, AT THE ELWOOD AIRPORT, SET VERTICALLY IN
LA1353 THE NORTHWEST FACE OF THE CONCRETE FOUNDATION OF THE HANGER, 0.7
LA1353 FOOT NORTHEAST OF THE SOUTHWEST CORNER, AND 1 FOOT ABOVE THE
LA1353 GROUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1354 **********
LA1354 DESIGNATION - Z 194
LA1354 PID - LA1354
LA1354 STATE/COUNTY- IN/MADISON
LA1354 USGS QUAD - ELWOOD
LA1354
LA1354 HORZ DATUM - NAD 83
LA1354 VERT DATUM - NAVD 88
LA1354
LA1354 POSITION - 40 15 17. (N) 085 49 57. (W) SCALED
LA1354 83 minus 27 - +00. -00. NADCON
LA1354
LA1354 HEIGHT - 262.460 (meters) 861.09 (feet) ADJUST
LA1354 88 minus 29 - -0.132 ADJ UNCHK
LA1354 **********
LA1354 GEOID HEIGHT- -34.23 GEOID93
LA1354 MODELED GRAV- 980,088.0 NAVD88
LA1354
LA1354 VERT ORDER - SECOND CLASS 0
LA1354
LA1354 The horizontal coordinates were scaled from a topographic map and have
LA1354 an estimated accuracy of +/- 6 seconds.
LA1354
LA1354 The orthometric height was determined by differential leveling
LA1354 and adjusted by the National Geodetic Survey in June 1991.
LA1354
LA1354 The geoid height was determined by GEOID93.
LA1354
LA1354 The modeled gravity was interpolated from observed gravity values.
LA1354
LA1354 STATION MARK IS A BENCH MARK DISK
LA1354 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1354 THE MARK IS STAMPED: Z 194 1946
LA1354 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1354 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1354
LA1354 HISTORY - Year Condition Recov. By
LA1354 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1354

STATION DESCRIPTION

LA1354
LA1354 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1354 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1354 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 2.1 MILES SOUTHWEST
LA1354 ALONG STATE HIGHWAY 37, AT THE NORTHWEST CORNER OF THE ELWOOD
LA1354 AIRPORT, ABOUT 0.45 MILE NORTH OF THE ENTRANCE TO THE AIRPORT,
LA1354 50 FEET SOUTHEAST OF THE CENTER LINE OF THE HIGHWAY, 2.5 FEET
LA1354 NORTHEAST OF THE FENCE CORNER, 1 FOOT NORTHWEST OF THE FENCE
LA1354 LINE, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 5 INCHES,
LA1354 ABOUT 2.5 FEET ABOVE THE HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1355 **********

LA1355 DESIGNATION - A 195
LA1355 PID - LA1355
LA1355 STATE/COUNTY- IN/MADISON
LA1355 USGS QUAD - ELWOOD
LA1355
LA1355 HORZ DATUM - NAD 83
LA1355 VERT DATUM - NAVD 88
LA1355
LA1355 POSITION - 40 15 46. (N) 085 49 11. (W) SCALED
LA1355 83 minus 27 - +00. -00. NADCON
LA1355
LA1355 HEIGHT - 264.616 (meters) 868.16 (feet) ADJUST
LA1355 88 minus 29 - -0.132 ADJ UNCHK

LA1355 **********

LA1355 GEOID HEIGHT- -34.23 GEOID93
LA1355 MODELED GRAV- 980,088.8 NAVD88
LA1355
LA1355 VERT ORDER - SECOND CLASS 0
LA1355
LA1355 The horizontal coordinates were scaled from a topographic map and have
LA1355 an estimated accuracy of +/- 6 seconds.
LA1355
LA1355 The orthometric height was determined by differential leveling
LA1355 and adjusted by the National Geodetic Survey in June 1991.
LA1355
LA1355 The geoid height was determined by GEOID93.
LA1355
LA1355 The modeled gravity was interpolated from observed gravity values.
LA1355
LA1355 STATION MARK IS A BENCH MARK DISK
LA1355 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1355 THE MARK IS STAMPED: A 195 1946
LA1355 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1355 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1355
LA1355 HISTORY - Year Condition Recov. By
LA1355 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1355

STATION DESCRIPTION

LA1355
LA1355 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1355 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1355 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 1.2 MILES SOUTHWEST
LA1355 ALONG STATE HIGHWAY 37, 0.2 MILES NORTHEAST OF THE CROSSING OF
LA1355 THE PENNSYLVANIA RAILROAD, AT THE INTERSECTION OF AN EAST-WEST
LA1355 PAVED ROAD, 106 FEET NORTH OF THE CENTER LINE OF THE PAVED ROAD,
LA1355 50 FEET NORTHWEST OF THE CENTER LINE OF THE HIGHWAY, 11 FEET
LA1355 NORTH EAST OF A FENCE CORNER, 13 FEET NORTHEAST OF TELEPHONE
LA1355 POLE 121/2, ABOUT 2 FEET ABOVE THE HIGHWAY, AND SET IN THE TOP
LA1355 OF A CONCRETE POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1356 **********

LA1356 DESIGNATION - B 195
LA1356 PID - LA1356
LA1356 STATE/COUNTY- IN/MADISON
LA1356 USGS QUAD - ELWOOD
LA1356
LA1356 HORZ DATUM - NAD 83
LA1356 VERT DATUM - NAVD 88
LA1356
LA1356 POSITION - 40 17 09. (N) 085 47 52. (W) SCALED
LA1356 83 minus 27 - +00. -00. NADCON
LA1356
LA1356 HEIGHT - 263.196 (meters) 863.50 (feet) ADJUST
LA1356 88 minus 29 - -0.133 ADJ UNCHK

LA1356 **********

LA1356 GEOID HEIGHT- -34.22 GEOID93
LA1356 MODELED GRAV- 980,090.9 NAVD88
LA1356
LA1356 VERT ORDER - SECOND CLASS 0
LA1356
LA1356 The horizontal coordinates were scaled from a topographic map and have
LA1356 an estimated accuracy of +/- 6 seconds.
LA1356
LA1356 The orthometric height was determined by differential leveling
LA1356 and adjusted by the National Geodetic Survey in June 1991.
LA1356
LA1356 The geoid height was determined by GEOID93.
LA1356
LA1356 The modeled gravity was interpolated from observed gravity values.
LA1356
LA1356 STATION MARK IS A BENCH MARK DISK
LA1356 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1356 THE MARK IS STAMPED: B 195 1946
LA1356 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1356
LA1356 HISTORY - Year Condition Recov. By
LA1356 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1356
LA1356 STATION DESCRIPTION
LA1356
LA1356 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1356 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1356 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 0.9 MILE NORTHEAST
LA1356 ALONG STATE HIGHWAY 37, SET IN THE TOP OF THE NORTHEAST END OF THE
LA1356 SOUTHEAST HEAD WALL OF A 20 FOOT CONCRETE CULVERT OVER A CREEK,
LA1356 24 FEET SOUTHEAST OF AND ABOUT LEVEL WITH THE CENTER LINE OF THE
LA1356 HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1357 **********

LA1357 DESIGNATION - C 195
LA1357 PID - LA1357
LA1357 STATE/COUNTY- IN/MADISON
LA1357 USGS QUAD - ELWOOD
LA1357
LA1357 HORZ DATUM - NAD 83
LA1357 VERT DATUM - NAVD 88
LA1357
LA1357 POSITION - 40 17 40. (N) 085 47 08. (W) SCALED
LA1357 83 minus 27 - +00. -00. NADCON
LA1357
LA1357 HEIGHT - 265.992 (meters) 872.67 (feet) ADJUST
LA1357 88 minus 29 - -0.132 ADJ UNCHK

LA1357 **********

LA1357 GEOID HEIGHT- -34.21 GEOID93
LA1357 MODELED GRAV- 980,092.0 NAVD88
LA1357
LA1357 VERT ORDER - SECOND CLASS 0
LA1357
LA1357 The horizontal coordinates were scaled from a topographic map and have
LA1357 an estimated accuracy of +/- 6 seconds.
LA1357
LA1357 The orthometric height was determined by differential leveling
LA1357 and adjusted by the National Geodetic Survey in June 1991.
LA1357
LA1357 The geoid height was determined by GEOID93.
LA1357
LA1357 The modeled gravity was interpolated from observed gravity values.
LA1357
LA1357 STATION MARK IS A BENCH MARK DISK
LA1357 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1357 THE MARK IS STAMPED: C 195 1946
LA1357 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1357 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1357
LA1357 HISTORY - Year Condition Recov. By
LA1357 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1357

STATION DESCRIPTION

LA1357
LA1357 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1357 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1357 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 1.85 MILES NORTHEAST
LA1357 ALONG STATE HIGHWAY 37, SET IN THE Y FORMED BY THE JUNCTION OF
LA1357 A GRAVEL ROAD LEADING SOUTH, AND A CURVE IN THE HIGHWAY WITH
LA1357 TANGENTS EXTENDING NORTH AND SOUTHWEST, 45 FEET SOUTHEAST OF THE
LA1357 CENTER LINE OF THE HIGHWAY AT THE APPROXIMATE CENTER OF THE CURVE,
LA1357 70 FEET WEST OF THE CENTER LINE OF THE GRAVEL ROAD, 68 FEET
LA1357 NORTHWEST OF POWER POLE NO. MA 19101, ABOUT 2 FEET BELOW THE
LA1357 HIGHWAY, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6
LA1357 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1358 **********

LA1358 DESIGNATION - G 2 MAD INHD
LA1358 PID - LA1358
LA1358 STATE/COUNTY- IN/MADISON
LA1358 USGS QUAD - ELWOOD
LA1358
LA1358 HORZ DATUM - NAD 83
LA1358 VERT DATUM - NAVD 88
LA1358
LA1358 POSITION - 40 18 13. (N) 085 47 07. (W) SCALED
LA1358 83 minus 27 - +00. -00. NADCON
LA1358
LA1358 HEIGHT - 264.206 (meters) 866.82 (feet) ADJUST
LA1358 88 minus 29 - -0.133 ADJ UNCHK

LA1358 **********

LA1358 GEOID HEIGHT- -34.21 GEOID93
LA1358 MODELED GRAV- 980,092.8 NAVD88
LA1358
LA1358 VERT ORDER - SECOND CLASS 0
LA1358
LA1358 The horizontal coordinates were scaled from a topographic map and have
LA1358 an estimated accuracy of +/- 6 seconds.
LA1358
LA1358 The orthometric height was determined by differential leveling
LA1358 and adjusted by the National Geodetic Survey in June 1991.
LA1358
LA1358 The geoid height was determined by GEOID93.
LA1358
LA1358 The modeled gravity was interpolated from observed gravity values.
LA1358
LA1358 STATION MARK IS A SURVEY DISK
LA1358 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1358 THE MARK IS STAMPED: MAD G2
LA1358 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1358
LA1358 HISTORY - Year Condition Recov. By
LA1358 HISTORY - UNK STATION MONUMENTED INDIANA HIGHWAY DEPARTMENT
LA1358 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1358
LA1358 STATION DESCRIPTION
LA1358
LA1358 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1358 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1358 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 2.45 MILES NORTHEAST
LA1358 ALONG STATE HIGHWAY 37, ABOUT 0.2 MILE SOUTH OF A GRAVEL ROAD
LA1358 CROSSING, SET IN THE TOP OF THE WEST END OF THE SOUTHEAST WING
LA1358 WALL OF A 20 FOOT CONCRETE CULVERT OVER A DITCH, 168 FEET NORTH
LA1358 OF THE CENTER LINE OF A DRIVE LEADING TO THE DELBERT COCHRAN
LA1358 FARM, 24 FEET EAST OF AND ABOUT 1 FOOT BELOW THE CENTER LINE OF
LA1358 THE HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1359 **********
LA1359 DESIGNATION - D 195
LA1359 PID - LA1359
LA1359 STATE/COUNTY- IN/MADISON
LA1359 USGS QUAD - ELWOOD
LA1359
LA1359 HORZ DATUM - NAD 83
LA1359 VERT DATUM - NAVD 88
LA1359
LA1359 POSITION - 40 19 14. (N) 085 47 08. (W) SCALED
LA1359 83 minus 27 - +00. -00. NADCON
LA1359
LA1359 HEIGHT - 264.745 (meters) 868.58 (feet) ADJUST
LA1359 88 minus 29 - -0.132 ADJ UNCHK
LA1359 **********
LA1359 GEOID HEIGHT- -34.22 GEOID93
LA1359 MODELED GRAV- 980,094.0 NAVD88
LA1359
LA1359 VERT ORDER - SECOND CLASS 0
LA1359
LA1359 The horizontal coordinates were scaled from a topographic map and have
LA1359 an estimated accuracy of +/- 6 seconds.
LA1359
LA1359 The orthometric height was determined by differential leveling
LA1359 and adjusted by the National Geodetic Survey in June 1991.
LA1359
LA1359 The geoid height was determined by GEOID93.
LA1359
LA1359 The modeled gravity was interpolated from observed gravity values.
LA1359
LA1359 STATION MARK IS A BENCH MARK DISK
LA1359 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1359 THE MARK IS STAMPED: D 195 1946
LA1359 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1359 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1359
LA1359 HISTORY - Year Condition Recov. By
LA1359 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1359

STATION DESCRIPTION

LA1359
LA1359 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1359 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1359 WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 3.65 MILES NORTHEAST
LA1359 ALONG STATE HIGHWAY 37, ABOUT 0.55 MILES SOUTH OF THE UNION
LA1359 VALLEY CHRISTIAN CHURCH, AT AN EAST-WEST GRAVEL ROAD CROSSING,
LA1359 50 FEET WEST OF THE CENTER LINE OF HIGHWAY 37, 72 FEET SOUTH OF
LA1359 THE CENTER LINE OF THE CROSS ROAD, 11 FEET NORTHWEST OF POWER
LA1359 POLE 19 126, 9 FEET SOUTH OF A FENCE CORNER, ABOUT 2.5 FEET
LA1359 BELOW THE HIGHWAY, AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1359 6 INCHES. NOTE-- MARK MAY BE REACHED FROM THE METHODIST CHURCH
LA1359 AT RIGDON BY GOING ABOUT 4.05 MILES SOUTH ALONG STATE HIGHWAY 37.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1360 **********

LA1360 DESIGNATION - E 195
LA1360 PID - LA1360
LA1360 STATE/COUNTY- IN/MADISON
LA1360 USGS QUAD - ELWOOD
LA1360
LA1360 HORZ DATUM - NAD 83
LA1360 VERT DATUM - NAVD 88
LA1360
LA1360 POSITION - 40 19 56. (N) 085 47 07. (W) SCALED
LA1360 83 minus 27 - +00. -00. NADCON
LA1360
LA1360 HEIGHT - 265.339 (meters) 870.53 (feet) ADJUST
LA1360 88 minus 29 - -0.133 ADJ UNCHK

LA1360 **********

LA1360 GEOID HEIGHT- -34.22 GEOID93
LA1360 MODELED GRAV- 980,094.9 NAVD88
LA1360
LA1360 VERT ORDER - SECOND CLASS 0
LA1360
LA1360 The horizontal coordinates were scaled from a topographic map and have
LA1360 an estimated accuracy of +/- 6 seconds.
LA1360
LA1360 The orthometric height was determined by differential leveling
LA1360 and adjusted by the National Geodetic Survey in June 1991.
LA1360
LA1360 The geoid height was determined by GEOID93.
LA1360
LA1360 The modeled gravity was interpolated from observed gravity values.
LA1360
LA1360 STATION MARK IS A BENCH MARK DISK
LA1360 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1360 THE MARK IS STAMPED: E 195 1946
LA1360 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1360
LA1360 HISTORY - Year Condition Recov. By
LA1360 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1360
LA1360 STATION DESCRIPTION
LA1360
LA1360 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1360 ABOUT 3.25 MILES SOUTH ALONG STATE HIGHWAY 37 FROM THE METHODIST
LA1360 CHURCH AT RIGDON, ABOUT 0.25 MILE NORTH OF THE UNION VALLEY
LA1360 CHRISTIAN CHURCH, 0.2 MILE SOUTH OF A GRAVEL CROSS ROAD, SET IN
LA1360 THE TOP OF THE WEST END OF THE NORTHEAST WING WALL OF A 32 FOOT
LA1360 CONCRETE BRIDGE OVER A CREEK, 22 FEET EAST OF AND ABOUT 1 FOOT
LA1360 BELOW THE CENTER LINE OF THE HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1361 **********

LA1361 DESIGNATION - G 3 MAD INHD
LA1361 PID - LA1361
LA1361 STATE/COUNTY- IN/MADISON
LA1361 USGS QUAD - ELWOOD
LA1361
LA1361 HORZ DATUM - NAD 83
LA1361 VERT DATUM - NAVD 88
LA1361
LA1361 POSITION - 40 20 52. (N) 085 47 08. (W) SCALED
LA1361 83 minus 27 - +00. -00. NADCON
LA1361
LA1361 HEIGHT - 265.325 (meters) 870.49 (feet) ADJUST
LA1361 88 minus 29 - -0.132 ADJ UNCHK

LA1361 **********

LA1361 GEOID HEIGHT- -34.23 GEOID93
LA1361 MODELED GRAV- 980,096.0 NAVD88
LA1361
LA1361 VERT ORDER - SECOND CLASS 0
LA1361
LA1361 The horizontal coordinates were scaled from a topographic map and have
LA1361 an estimated accuracy of +/- 6 seconds.
LA1361
LA1361 The orthometric height was determined by differential leveling
LA1361 and adjusted by the National Geodetic Survey in June 1991.
LA1361
LA1361 The geoid height was determined by GEOID93.
LA1361
LA1361 The modeled gravity was interpolated from observed gravity values.
LA1361
LA1361 STATION MARK IS A SURVEY DISK
LA1361 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1361 THE MARK IS STAMPED: MAD G 3
LA1361 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1361

LA1361 HISTORY	- Year	Condition	Recov. By
LA1361 HISTORY	- UNK	STATION MONUMENTED	INDIANA HIGHWAY DEPARTMENT
LA1361 HISTORY	- 1946	GOOD	NATIONAL GEODETIC SURVEY

LA1361
LA1361 STATION DESCRIPTION
LA1361
LA1361 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1361 ABOUT 2.15 MILES SOUTH ALONG STATE HIGHWAY 37 FROM THE METHODIST
LA1361 CHURCH AT RIGDON, ABOUT 0.1 MILE SOUTH OF THE JUNCTION OF A
LA1361 T ROAD LEADING WEST, SET IN THE TOP OF THE WEST END OF THE
LA1361 SOUTHEAST WING WALL OF A 20 FOOT CONCRETE CULVERT OVER A DITCH,
LA1361 25 FEET EAST OF AND ABOUT LEVEL WITH THE CENTER LINE OF THE
LA1361 HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1362 **********

LA1362 DESIGNATION - F 195
LA1362 PID - LA1362
LA1362 STATE/COUNTY- IN/MADISON
LA1362 USGS QUAD - ELWOOD
LA1362
LA1362 HORZ DATUM - NAD 83
LA1362 VERT DATUM - NAVD 88
LA1362
LA1362 POSITION - 40 21 26. (N) 085 47 00. (W) SCALED
LA1362 83 minus 27 - +00. -00. NADCON
LA1362
LA1362 HEIGHT - 265.932 (meters) 872.48 (feet) ADJUST
LA1362 88 minus 29 - -0.131 ADJ UNCHK

LA1362 **********

LA1362 GEOID HEIGHT- -34.23 GEOID93
LA1362 MODELED GRAV- 980,096.7 NAVD88
LA1362
LA1362 VERT ORDER - SECOND CLASS 0
LA1362
LA1362 The horizontal coordinates were scaled from a topographic map and have
LA1362 an estimated accuracy of +/- 6 seconds.
LA1362
LA1362 The orthometric height was determined by differential leveling
LA1362 and adjusted by the National Geodetic Survey in June 1991.
LA1362
LA1362 The geoid height was determined by GEOID93.
LA1362
LA1362 The modeled gravity was interpolated from observed gravity values.
LA1362
LA1362 STATION MARK IS A BENCH MARK DISK
LA1362 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1362 THE MARK IS STAMPED: F 195 1946
LA1362 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1362
LA1362 HISTORY - Year Condition Recov. By
LA1362 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1362
LA1362 STATION DESCRIPTION
LA1362
LA1362 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1362 ABOUT 1.4 MILES SOUTH ALONG STATE HIGHWAY 37 FROM THE METHODIST
LA1362 CHURCH AT RIGDON, AT THE JUNCTION OF A GRAVEL ROAD LEADING
LA1362 EAST, 46 FEET NORTH OF THE CENTER LINE OF THE PROLONGED ROAD
LA1362 EAST, 51 FEET SOUTH OF THE ENTRANCE TO THE MICHAEL MEYER FARM,
LA1362 24 FEET WEST OF THE CENTER LINE OF THE HIGHWAY, AND SET IN THE
LA1362 TOP OF THE NORTH END OF THE WEST HEAD WALL OF A 10 BY 3 FOOT
LA1362 CONCRETE BOX CULVERT ABOUT 1 FOOT BELOW THE HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1363 **********

LA1363 DESIGNATION - G 195
LA1363 PID - LA1363
LA1363 STATE/COUNTY- IN/MADISON
LA1363 USGS QUAD - ELWOOD
LA1363
LA1363 HORZ DATUM - NAD 83
LA1363 VERT DATUM - NAVD 88
LA1363
LA1363 POSITION - 40 21 51. (N) 085 47 10. (W) SCALED
LA1363 83 minus 27 - +00. -00. NADCON
LA1363
LA1363 HEIGHT - 267.702 (meters) 878.28 (feet) ADJUST
LA1363 88 minus 29 - -0.131 ADJ UNCHK

LA1363 **********

LA1363 GEOID HEIGHT- -34.23 GEOID93
LA1363 MODELED GRAV- 980,097.1 NAVD88
LA1363
LA1363 VERT ORDER - SECOND CLASS 0
LA1363
LA1363 The horizontal coordinates were scaled from a topographic map and have
LA1363 an estimated accuracy of +/- 6 seconds.
LA1363
LA1363 The orthometric height was determined by differential leveling
LA1363 and adjusted by the National Geodetic Survey in June 1991.
LA1363
LA1363 The geoid height was determined by GEOID93.
LA1363
LA1363 The modeled gravity was interpolated from observed gravity values.
LA1363
LA1363 STATION MARK IS A BENCH MARK DISK
LA1363 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1363 THE MARK IS STAMPED: G 195 1946
LA1363 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1363 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1363
LA1363 HISTORY - Year Condition Recov. By
LA1363 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1363

STATION DESCRIPTION

LA1363
LA1363 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1363 ABOUT 0.95 MILES SOUTH ALONG STATE HIGHWAY 37 FROM THE METHODIST
LA1363 CHURCH AT RIGDON, AT AN EAST-WEST GRAVEL CROSS ROAD, 80 FEET
LA1363 WEST OF THE CENTER LINE OF THE HIGHWAY, 27 FEET SOUTH OF THE
LA1363 CENTER LINE OF THE CROSS ROAD, 14 FEET SOUTHEAST OF A 6 INCH
LA1363 CONCRETE FILLED IRON PIPE FENCE CORNER POST, 14 FEET SOUTHEAST
LA1363 OF POWER POLE MA 3 85, 1.3 FEET NORTHEAST OF THE FENCE LINE,
LA1363 ABOUT 1 FOOT BELOW THE HIGHWAY, AND SET IN THE TOP OF A CONCRETE
LA1363 POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1364 **********

LA1364 DESIGNATION - GG 195
LA1364 PID - LA1364
LA1364 STATE/COUNTY- IN/MADISON
LA1364 USGS QUAD - POINT ISABEL
LA1364
LA1364 HORZ DATUM - NAD 83
LA1364 VERT DATUM - NAVD 88
LA1364
LA1364 POSITION - 40 22 35. (N) 085 47 08. (W) SCALED
LA1364 83 minus 27 - +00. -00. NADCON
LA1364
LA1364 HEIGHT - 273.728 (meters) 898.06 (feet) ADJUST
LA1364 88 minus 29 - -0.133 ADJ UNCHK

LA1364 **********

LA1364 GEOID HEIGHT- -34.24 GEOID93
LA1364 MODELED GRAV- 980,097.9 NAVD88
LA1364
LA1364 VERT ORDER - SECOND CLASS 0
LA1364
LA1364 The horizontal coordinates were scaled from a topographic map and have
LA1364 an estimated accuracy of +/- 6 seconds.
LA1364
LA1364 The orthometric height was determined by differential leveling
LA1364 and adjusted by the National Geodetic Survey in June 1991.
LA1364
LA1364 The geoid height was determined by GEOID93.
LA1364
LA1364 The modeled gravity was interpolated from observed gravity values.
LA1364
LA1364 STATION MARK IS A SURVEY DISK
LA1364 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1364 THE MARK IS STAMPED: GG 195 1946
LA1364 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1364 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1364
LA1364 HISTORY - Year Condition Recov. By
LA1364 HISTORY - 1946 STATION MONUMENTED INDIANA HIGHWAY DEPARTMENT
LA1364

STATION DESCRIPTION

LA1364
LA1364 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1364 IN THE SOUTH PART OF RIGDON, AT THE JUNCTION OF STATE HIGHWAY
LA1364 37 AND AN ASPHALT ROAD LEADING NORTH INTO RIGDON, 0.1 MILE
LA1364 SOUTH OF RIGDON METHODIST CHURCH, 133 FEET NORTH OF THE CENTER
LA1364 OF THE INTERSECTION OF STATE HIGHWAY 37 AND THE ROAD LEADING
LA1364 NORTH, 75 FEET NORTHWEST OF THE CENTER OF THE HIGHWAY, 39 FEET
LA1364 EAST OF THE CENTER OF THE ASPHALT ROAD. A BRONZE DISK OF THE
LA1364 INDIANA HIGHWAY COMMISSION SET IN THE TOP OF A CONCRETE POST
LA1364 PROJECTING ABOUT 18-INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1365 **********

LA1365 DESIGNATION - H 195
LA1365 PID - LA1365
LA1365 STATE/COUNTY- IN/MADISON
LA1365 USGS QUAD - POINT ISABEL
LA1365
LA1365 HORZ DATUM - NAD 83
LA1365 VERT DATUM - NAVD 88
LA1365
LA1365 POSITION - 40 22 39. (N) 085 47 10. (W) SCALED
LA1365 83 minus 27 - +00. -00. NADCON
LA1365
LA1365 HEIGHT - 274.375 (meters) 900.18 (feet) ADJUST
LA1365 88 minus 29 - -0.133 ADJ UNCHK

LA1365 **********

LA1365 GEOID HEIGHT- -34.24 GEOID93
LA1365 MODELED GRAV- 980,098.0 NAVD88
LA1365
LA1365 VERT ORDER - SECOND CLASS 0
LA1365
LA1365 The horizontal coordinates were scaled from a topographic map and have
LA1365 an estimated accuracy of +/- 6 seconds.
LA1365
LA1365 The orthometric height was determined by differential leveling
LA1365 and adjusted by the National Geodetic Survey in June 1991.
LA1365
LA1365 The geoid height was determined by GEOID93.
LA1365
LA1365 The modeled gravity was interpolated from observed gravity values.
LA1365
LA1365 STATION MARK IS A BENCH MARK DISK
LA1365 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1365 THE MARK IS STAMPED: H 195 1946
LA1365 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1365
LA1365 HISTORY - Year Condition Recov. By
LA1365 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1365
LA1365 STATION DESCRIPTION
LA1365
LA1365 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1365 AT RIGDON, SET VERTICALLY IN THE NORTH FACE OF THE STONE WATER
LA1365 TABLE OF THE RIGDON METHODIST CHURCH BUILDING, 1 FOOT WEST OF
LA1365 THE NORTHEAST CORNER, AND 1.9 FEET ABOVE THE GROUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1416 **********

LA1416 DESIGNATION - T 41
LA1416 PID - LA1416
LA1416 STATE/COUNTY- IN/MADISON
LA1416 USGS QUAD - MIDDLETOWN
LA1416
LA1416 HORZ DATUM - NAD 83
LA1416 VERT DATUM - NAVD 88
LA1416
LA1416 POSITION - 40 06 28. (N) 085 35 44. (W) SCALED
LA1416 83 minus 27 - +00. -00. NADCON
LA1416
LA1416 HEIGHT - 276.698 (meters) 907.80 (feet) ADJUST
LA1416 88 minus 29 - -0.140 ADJ UNCHK

LA1416 **********

LA1416 GEOID HEIGHT- -33.97 GEOID93
LA1416 MODELED GRAV- 980,082.6 NAVD88
LA1416
LA1416 VERT ORDER - SECOND CLASS 0
LA1416
LA1416 The horizontal coordinates were scaled from a topographic map and have
LA1416 an estimated accuracy of +/- 6 seconds.
LA1416
LA1416 The orthometric height was determined by differential leveling
LA1416 and adjusted by the National Geodetic Survey in June 1991.
LA1416
LA1416 The geoid height was determined by GEOID93.
LA1416
LA1416 The modeled gravity was interpolated from observed gravity values.
LA1416
LA1416 STATION MARK IS A BENCH MARK DISK
LA1416 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1416 THE MARK IS STAMPED: T 41 1934
LA1416 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1416 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1416
LA1416 HISTORY - Year Condition Recov. By
LA1416 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1416 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
LA1416
LA1416 STATION DESCRIPTION
LA1416
LA1416 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1416 AT CHESTERFIELD, ALONG THE CLEVELAND, CINCINNATI, CHICAGO AND ST.
LA1416 LOUIS RAILROAD, SET IN THE SOUTHWEST ANGLE OF THE CROSSING OF
LA1416 SOUTH WATER STREET, 42.4 FEET SOUTH OF THE SOUTH RAIL OF THE TRACK,
LA1416 25.5 FEET WEST OF THE CENTER LINE OF WATER STREET, 47.5 FEET NORTH
LA1416 OF THE CENTER LINE OF STATE HIGHWAY 67 WHICH PARALLELS THE TRACK,
LA1416 2.5 FEET SOUTH OF TELEGRAPH POLE NO. 242/22, 8.3 FEET NORTHEAST
LA1416 OF POWER POLE NO. 46/759, 1.5 FEET NORTH OF A WHITE WOODEN WITNESS
LA1416 POST, 3.5 FEET BELOW THE TRACK AND SET IN THE TOP OF A CONCRETE
LA1416 POST PROJECTING 3 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1417 **********

LA1417 DESIGNATION - U 41
LA1417 PID - LA1417
LA1417 STATE/COUNTY- IN/MADISON
LA1417 USGS QUAD - MIDDLETOWN
LA1417
LA1417 HORZ DATUM - NAD 83
LA1417 VERT DATUM - NAVD 88
LA1417
LA1417 POSITION - 40 05 29. (N) 085 37 11. (W) SCALED
LA1417 83 minus 27 - +00. -00. NADCON
LA1417
LA1417 HEIGHT - 278.430 (meters) 913.48 (feet) ADJUST
LA1417 88 minus 29 - -0.14 UNADJ DIF

LA1417 **********

LA1417 GEOID HEIGHT- -33.98 GEOID93
LA1417 MODELED GRAV- 980,080.9 NAVD88
LA1417
LA1417 VERT ORDER - SECOND CLASS 0
LA1417
LA1417 The horizontal coordinates were scaled from a topographic map and have
LA1417 an estimated accuracy of +/- 6 seconds.
LA1417
LA1417 The orthometric height was determined by differential leveling
LA1417 and adjusted by the National Geodetic Survey in June 1991.
LA1417
LA1417 The geoid height was determined by GEOID93.
LA1417
LA1417 The modeled gravity was interpolated from observed gravity values.
LA1417
LA1417 STATION MARK IS A BENCH MARK DISK
LA1417 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1417 THE MARK IS STAMPED: U 41 1934
LA1417 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1417 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1417
LA1417 HISTORY - Year Condition Recov. By
LA1417 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1417
LA1417 STATION DESCRIPTION
LA1417
LA1417 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA1417 ALONG THE CLEVELAND, CINCINNATI, CHICAGO AND ST. LOUIS RAILROAD,
LA1417 IN SOUTHEAST ANGLE OF CROSSING WITH SECOND ROAD WEST OF ENTRANCE
LA1417 TO MOUNDS STATE PARK ON STATE HIGHWAY 32, AT TELEGRAPH POLE 244/07
LA1417 22 YARDS SOUTH OF SOUTH RAIL, 30.8 FEET EAST OF CENTER OF ROAD,
LA1417 0.9 FEET NORTH OF WIRE FENCE, 0.5 FEET BELOW TOP OF RAIL, IN TOP
LA1417 OF CONCRETE POST.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1418 **********
LA1418 DESIGNATION - U 41 RESET 1936
LA1418 PID - LA1418
LA1418 STATE/COUNTY- IN/MADISON
LA1418 USGS QUAD - MIDDLETOWN
LA1418
LA1418 HORZ DATUM - NAD 83
LA1418 VERT DATUM - NGVD 29
LA1418
LA1418 POSITION - 40 05 29. (N) 085 37 11. (W) SCALED
LA1418 83 minus 27 - +00. -00. NADCON
LA1418
LA1418 HEIGHT - 278.42 (meters) 913.4 (feet) RESET COMP
LA1418 88 minus 29 - -0.14 VERTCON
LA1418 **********
LA1418 GEOID HEIGHT- -33.98 GEOID93
LA1418
LA1418 VERT ORDER - ?
LA1418
LA1418 The horizontal coordinates were scaled from a topographic map and have
LA1418 an estimated accuracy of +/- 6 seconds.
LA1418
LA1418 The orthometric height was computed from unverified reset data.
LA1418
LA1418 The geoid height was determined by GEOID93.
LA1418
LA1418 STATION MARK IS A BENCH MARK DISK
LA1418 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1418 THE MARK IS STAMPED: U 41 1934 RESET 1936
LA1418 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1418 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1418
LA1418 HISTORY - Year Condition Recov. By
LA1418 HISTORY - 1936 STATION MONUMENTED INDIANA HIGHWAY DEPARTMENT
LA1418 HISTORY - 1960 GOOD US GEOLOGICAL SURVEY
LA1418
LA1418 STATION DESCRIPTION
LA1418
LA1418 DESCRIBED BY INDIANA HIGHWAY DEPARTMENT 1936
LA1418 CHESTERFIELD, 1.7 MILES SW OF, ALONG STATE HIGHWAY 37, ON S LINE
LA1418 OF SEC. 16, T 19 N R 8 E, 75 FT. NW OF CROSSROADS, 30 FT. SE OF S
LA1418 RAIL OF NEW YORK CENTRAL RAILROAD, 8 FT. SE OF TELEPHONE POLE, IN
LA1418 CONCRETE POST, USC AND GS STANDARD DISK STAMPED U 41 1934 RESET 1936.
LA1418
LA1418 STATION RECOVERY (1960)
LA1418
LA1418 RECOVERY NOTE BY US GEOLOGICAL SURVEY 1960
LA1418 RECOVERED IN GOOD CONDITION.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1419 **********
LA1419 DESIGNATION - V 41
LA1419 PID - LA1419
LA1419 STATE/COUNTY- IN/MADISON
LA1419 USGS QUAD - ANDERSON SOUTH
LA1419
LA1419 HORZ DATUM - NAD 83
LA1419 VERT DATUM - NAVD 88
LA1419
LA1419 POSITION - 40 05 24. (N) 085 38 57. (W) SCALED
LA1419 83 minus 27 - +00. -00. NADCON
LA1419
LA1419 HEIGHT - 275.817 (meters) 904.91 (feet) ADJUST
LA1419 88 minus 29 - -0.138 ADJ UNCHK
LA1419 **********
LA1419 GEOID HEIGHT- -34.00 GEOID93
LA1419 MODELED GRAV- 980,081.0 NAVD88
LA1419
LA1419 VERT ORDER - SECOND CLASS 0
LA1419
LA1419 The horizontal coordinates were scaled from a topographic map and have
LA1419 an estimated accuracy of +/- 6 seconds.
LA1419
LA1419 The orthometric height was determined by differential leveling
LA1419 and adjusted by the National Geodetic Survey in June 1991.
LA1419
LA1419 The geoid height was determined by GEOID93.
LA1419
LA1419 The modeled gravity was interpolated from observed gravity values.
LA1419
LA1419 STATION MARK IS A BENCH MARK DISK
LA1419 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1419 THE MARK IS STAMPED: V 41 1934
LA1419 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1419 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1419

LA1419 HISTORY	- Year Condition	Recov. By
LA1419 HISTORY	- 1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1419 HISTORY	- 1947 GOOD	NATIONAL GEODETIC SURVEY

LA1419
LA1419 STATION DESCRIPTION
LA1419
LA1419 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1419 1.8 MILES EAST ALONG THE CLEVELAND, CINCINNATI, CHICAGO AND ST.
LA1419 LOUIS RAILWAY FROM THE STATION AT ANDERSON, MADISON COUNTY, AT THE
LA1419 CROSSING OF THE LOUISVILLE AND SOUTH BEND BRANCH LINE, ABOUT 100
LA1419 YARDS NORTHEAST OF THE GRIDLEY SIGNAL TOWER, 26.3 FEET SOUTHEAST
LA1419 OF POLE 245/42, 31.7 FEET SOUTH OF THE SOUTH RAIL OF THE MAIN TRACK,
LA1419 18.1 FEET NORTHWEST OF A PROPERTY-LINE MARKER, AND ABOUT 1/2 FOOT
LA1419 LOWER THAN THE TRACK. A STANDARD DISK, STAMPED V 41 1934 AND SET
LA1419 IN THE TOP OF A CONCRETE POST.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1420 **********

LA1420 DESIGNATION - W 41
LA1420 PID - LA1420
LA1420 STATE/COUNTY- IN/MADISON
LA1420 USGS QUAD - ANDERSON SOUTH
LA1420
LA1420 HORZ DATUM - NAD 83
LA1420 VERT DATUM - NAVD 88
LA1420
LA1420 POSITION - 40 05 24. (N) 085 39 00. (W) SCALED
LA1420 83 minus 27 - +00. -00. NADCON
LA1420
LA1420 HEIGHT - 275.813 (meters) 904.90 (feet) ADJUST
LA1420 88 minus 29 - -0.138 ADJ UNCHK

LA1420 **********

LA1420 GEOID HEIGHT- -34.00 GEOID93
LA1420 MODELED GRAV- 980,081.0 NAVD88
LA1420
LA1420 VERT ORDER - SECOND CLASS 0
LA1420
LA1420 The horizontal coordinates were scaled from a topographic map and have
LA1420 an estimated accuracy of +/- 6 seconds.
LA1420
LA1420 The orthometric height was determined by differential leveling
LA1420 and adjusted by the National Geodetic Survey in June 1991.
LA1420
LA1420 The geoid height was determined by GEOID93.
LA1420
LA1420 The modeled gravity was interpolated from observed gravity values.
LA1420
LA1420 STATION MARK IS A BENCH MARK DISK
LA1420 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1420 THE MARK IS STAMPED: W 41 1934
LA1420 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1420

LA1420	HISTORY	- Year Condition	Recov. By
LA1420	HISTORY	- 1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1420	HISTORY	- 1947 GOOD	NATIONAL GEODETIC SURVEY

LA1420
LA1420 STATION DESCRIPTION
LA1420
LA1420 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1420 1.8 MILES EAST ALONG THE CLEVELAND, CINCINNATI, CHICAGO AND ST.
LA1420 LOUIS RAILWAY FROM THE STATION AT ANDERSON, MADISON COUNTY, 40
LA1420 YARDS NORTHEAST OF THE CROSSING OF THE PENNSYLVANIA RAILROAD, 4
LA1420 YARDS NORTH OF THE GRIDLEY SIGNAL TOWER, AT POLE 245/45, IN THE TOP
LA1420 OF THE NORTHWEST CORNER OF A CONCRETE SWITCH BASE, 0.8 FOOT
LA1420 SOUTHEAST OF THE NORTHWEST CORNER, AND LEVEL WITH THE TRACK. A
LA1420 STANDARD DISK, STAMPED W 41 1934.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1422 **********

LA1422 DESIGNATION - Y 41
LA1422 PID - LA1422
LA1422 STATE/COUNTY- IN/MADISON
LA1422 USGS QUAD - ANDERSON SOUTH
LA1422
LA1422 HORZ DATUM - NAD 83
LA1422 VERT DATUM - NAVD 88
LA1422
LA1422 POSITION - 40 05 50. (N) 085 39 52. (W) SCALED
LA1422 83 minus 27 - +00. -00. NADCON
LA1422
LA1422 HEIGHT - 272.764 (meters) 894.89 (feet) ADJUST
LA1422 88 minus 29 - -0.138 ADJ UNCHK

LA1422 **********

LA1422 GEOID HEIGHT- -34.02 GEOID93
LA1422 MODELED GRAV- 980,082.2 NAVD88
LA1422
LA1422 VERT ORDER - SECOND CLASS 0
LA1422
LA1422 The horizontal coordinates were scaled from a topographic map and have
LA1422 an estimated accuracy of +/- 6 seconds.
LA1422
LA1422 The orthometric height was determined by differential leveling
LA1422 and adjusted by the National Geodetic Survey in June 1991.
LA1422
LA1422 The geoid height was determined by GEOID93.
LA1422
LA1422 The modeled gravity was interpolated from observed gravity values.
LA1422
LA1422 STATION MARK IS A BENCH MARK DISK
LA1422 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1422 THE MARK IS STAMPED: Y 41 1934
LA1422 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1422
LA1422 HISTORY - Year Condition Recov. By
LA1422 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1422

STATION DESCRIPTION

LA1422
LA1422 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA1422 AT ANDERSON, MADISON COUNTY, ON THE CLEVELAND, CINCINNATI, CHICAGO
LA1422 AND ST. LOUIS RAILWAY, 50 YARDS SOUTHEAST OF THE CROSSING OF
LA1422 THE PENNSYLVANIA RAILROAD AT DELCO TOWER, OPPOSITE THE PHILADELPHIA
LA1422 QUARTZ CO. PROPERTY, 26.2 FEET EAST OF A POLE, IN THE TOP OF THE
LA1422 NORTHEAST CORNER OF A CONCRETE SWITCH BASE, 5.8 FEET SOUTH OF
LA1422 THE SOUTH RAIL, AND ABOUT 1/2 FOOT LOWER THAN THE TRACK. A
LA1422 STANDARD DISK, STAMPED Y 41 1934.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1423 **********

LA1423 DESIGNATION - Z 41
LA1423 PID - LA1423
LA1423 STATE/COUNTY- IN/MADISON
LA1423 USGS QUAD - ANDERSON SOUTH
LA1423
LA1423 HORZ DATUM - NAD 83
LA1423 VERT DATUM - NAVD 88
LA1423
LA1423 POSITION - 40 05 52. (N) 085 39 57. (W) SCALED
LA1423 83 minus 27 - +00. -00. NADCON
LA1423
LA1423 HEIGHT - 272.409 (meters) 893.73 (feet) ADJUST
LA1423 88 minus 29 - -0.139 ADJ UNCHK

LA1423 **********

LA1423 GEOID HEIGHT- -34.02 GEOID93
LA1423 MODELED GRAV- 980,082.3 NAVD88
LA1423
LA1423 VERT ORDER - SECOND CLASS 0
LA1423
LA1423 The horizontal coordinates were scaled from a topographic map and have
LA1423 an estimated accuracy of +/- 6 seconds.
LA1423
LA1423 The orthometric height was determined by differential leveling
LA1423 and adjusted by the National Geodetic Survey in June 1991.
LA1423
LA1423 The geoid height was determined by GEOID93.
LA1423
LA1423 The modeled gravity was interpolated from observed gravity values.
LA1423
LA1423 STATION MARK IS A BENCH MARK DISK
LA1423 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1423 THE MARK IS STAMPED: Z 41 1934
LA1423 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1423
LA1423 HISTORY - Year Condition Recov. By
LA1423 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1423 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
LA1423
LA1423 STATION DESCRIPTION
LA1423
LA1423 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1423 AT ANDERSON, MADISON COUNTY, ON THE CLEVELAND, CINCINNATI, CHICAGO
LA1423 AND ST. LOUIS RAILWAY, AT THE CROSSING OF THE PENNSYLVANIA RAILROAD,
LA1423 33 FEET WEST OF THE SOUTHWEST CORNER OF THE DELCO SIGNAL TOWER,
LA1423 15.9 FEET SOUTH OF THE LINE OF THREE FRAME HOUSES, 9.8 FEET NORTH
LA1423 OF THE NORTH RAIL, IN THE BASE FOR SWITCH RODS, AND ABOUT 1 FOOT
LA1423 LOWER THAN THE TRACK. A STANDARD DISK, STAMPED Z 41 1934.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1424 **********

LA1424 DESIGNATION - A 42
LA1424 PID - LA1424
LA1424 STATE/COUNTY- IN/MADISON
LA1424 USGS QUAD - ANDERSON SOUTH
LA1424
LA1424 HORZ DATUM - NAD 83
LA1424 VERT DATUM - NAVD 88
LA1424
LA1424 POSITION - 40 06 00. (N) 085 40 26. (W) SCALED
LA1424 83 minus 27 - +00. -00. NADCON
LA1424
LA1424 HEIGHT - 269.446 (meters) 884.01 (feet) ADJUST
LA1424 88 minus 29 - -0.140 ADJ UNCHK

LA1424 **********

LA1424 GEOID HEIGHT- -34.02 GEOID93
LA1424 MODELED GRAV- 980,082.7 NAVD88
LA1424
LA1424 VERT ORDER - SECOND CLASS 0
LA1424
LA1424 The horizontal coordinates were scaled from a topographic map and have
LA1424 an estimated accuracy of +/- 6 seconds.
LA1424
LA1424 The orthometric height was determined by differential leveling
LA1424 and adjusted by the National Geodetic Survey in June 1991.
LA1424
LA1424 The geoid height was determined by GEOID93.
LA1424
LA1424 The modeled gravity was interpolated from observed gravity values.
LA1424
LA1424 STATION MARK IS A BENCH MARK DISK
LA1424 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1424 THE MARK IS STAMPED: A 42 1934
LA1424 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1424 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1424
LA1424 HISTORY - Year Condition Recov. By
LA1424 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1424 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
LA1424
LA1424 STATION DESCRIPTION
LA1424
LA1424 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1424 AT ANDERSON, MADISON COUNTY, ON THE CLEVELAND, CINCINNATI, CHICAGO
LA1424 AND ST. LOUIS RAILWAY, IN THE SOUTHEAST ANGLE OF THE CROSSING OF
LA1424 PEARL STREET, 25.2 FEET SOUTH OF THE SOUTH RAIL OF THE NORTH
LA1424 TRACK, 17.2 FEET NORTH OF THE NORTH RAIL OF THE SOUTH TRACK, 13.9
LA1424 FEET EAST OF THE EAST CURB OF THE STREET, 2.3 FEET NORTH OF A
LA1424 CONCRETE PROPERTY-LINE MARKER, AND ABOUT 1 FOOT HIGHER THAN THE
LA1424 TRACK. A STANDARD DISK, STAMPED A 42 1934 AND SET IN THE TOP OF A
LA1424 CONCRETE POST.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1425 ***
LA1425 DESIGNATION - B 42
LA1425 PID   - LA1425
LA1425 STATE/COUNTY- IN/MADISON
LA1425 USGS QUAD   - ANDERSON SOUTH
LA1425
LA1425 HORZ DATUM - NAD 83
LA1425 VERT DATUM - NAVD 88
LA1425
LA1425 POSITION   - 40 05 53.   (N)   085 40 44.   (W)   SCALED
LA1425 83 minus 27 -   +00.   -00.   NADCON
LA1425
LA1425 HEIGHT   -   267.372 (meters)   877.20   (feet) ADJUST
LA1425 88 minus 29 -   -0.140   ADJ UNCHK
LA1425 ***
LA1425 GEOID HEIGHT-   -34.02   GEOID93
LA1425 MODELED GRAV-   980,081.4   NAVD88
LA1425
LA1425 VERT ORDER - SECOND   CLASS 0
LA1425
LA1425 The horizontal coordinates were scaled from a topographic map and have
LA1425 an estimated accuracy of +/- 6 seconds.
LA1425
LA1425 The orthometric height was determined by differential leveling
LA1425 and adjusted by the National Geodetic Survey in June 1991.
LA1425
LA1425 The geoid height was determined by GEOID93.
LA1425
LA1425 The modeled gravity was interpolated from observed gravity values.
LA1425
LA1425 STATION MARK IS A BENCH MARK DISK
LA1425 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1425 THE MARK IS STAMPED: B 42 1934
LA1425 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1425 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1425
LA1425 HISTORY   - Year Condition   Recov. By
LA1425 HISTORY   - 1934 STATION MONUMENTED   COAST AND GEODETIC SURVEY
LA1425 HISTORY   - 1947 GOOD   NATIONAL GEODETIC SURVEY
LA1425
LA1425   STATION DESCRIPTION
LA1425
LA1425 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1425 AT ANDERSON, AT THE INTERSECTION OF THE CENTRAL INDIANA RAILROAD
LA1425 AND MERIDIAN STREET, ACROSS THE RAILROAD FROM THE STATION, 62.5
LA1425 FEET SOUTH OF THE SOUTH RAIL, 36 FEET EAST OF THE CENTER LINE OF
LA1425 MERIDIAN STREET, 12 FEET NORTH OF THE NORTHWEST CORNER OF THE
LA1425 THIRFT E SUPER MARKET, 1.7 FEET EAST OF THE EAST EDGE OF A CONCRETE
LA1425 SIDE WALK, ABOUT 0.2 FOOT ABOVE THE SIDE WALK AND SET IN THE TOP
LA1425 OF A CONCRETE POST PROJECTING 2 INCHES. NOTE-- MARK IS ABOUT 0.6
LA1425 MILE SOUTH ALONG MERIDIAN STREET FROM THE COURT HOUSE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1426 **********
LA1426 DESIGNATION - C 42
LA1426 PID - LA1426
LA1426 STATE/COUNTY- IN/MADISON
LA1426 USGS QUAD - ANDERSON SOUTH
LA1426
LA1426 HORZ DATUM - NAD 83
LA1426 VERT DATUM - NAVD 88
LA1426
LA1426 POSITION - 40 05 54. (N) 085 41 36. (W) SCALED
LA1426 83 minus 27 - +00. -00. NADCON
LA1426
LA1426 HEIGHT - 264.933 (meters) 869.20 (feet) ADJUST
LA1426 88 minus 29 - -0.138 ADJ UNCHK
LA1426 **********
LA1426 GEOID HEIGHT- -34.03 GEOID93
LA1426 MODELED GRAV- 980,075.7 NAVD88
LA1426
LA1426 VERT ORDER - SECOND CLASS 0
LA1426
LA1426 The horizontal coordinates were scaled from a topographic map and have
LA1426 an estimated accuracy of +/- 6 seconds.
LA1426
LA1426 The orthometric height was determined by differential leveling
LA1426 and adjusted by the National Geodetic Survey in June 1991.
LA1426
LA1426 The geoid height was determined by GEOID93.
LA1426
LA1426 The modeled gravity was interpolated from observed gravity values.
LA1426
LA1426 STATION MARK IS A BENCH MARK DISK
LA1426 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1426 THE MARK IS STAMPED: C 42 1934
LA1426 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1426 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1426

LA1426 HISTORY	- Year	Condition	Recov. By
LA1426 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1426 HISTORY	- 1947	GOOD	NATIONAL GEODETIC SURVEY

LA1426
LA1426 STATION DESCRIPTION
LA1426
LA1426 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1426 AT ANDERSON, ABOUT 0.8 MILE WEST ALONG THE CENTRAL INDIANA RAILROAD
LA1426 FROM THE MERIDIAN STREET STATION, 93 FEET NORTHEAST OF THE CENTER
LA1426 OF THE INTERSECTION OF THE CLEVELAND, CINCINNATI, CHICAGO AND
LA1426 ST. LOUIS RAILWAY, 27.5 FEET NORTH OF THE NORTH RAIL OF THE C.I.
LA1426 RR, 23.5 FEET SOUTHEAST OF THE SOUTHEAST RAIL OF THE C.C.C. AND ST.
LA1426 L. RY., BETWEEN CEDAR AND LOCUST STREETS, 2 FEET NORTHEAST OF A
LA1426 WHITE WOODEN WITNESS POST, ABOUT LEVEL WITH THE TRACKS AND SET
LA1426 IN THE TOP OF A CONCRETE POST PROJECTING 4 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1427 **********

LA1427 DESIGNATION - D 42
LA1427 PID - LA1427
LA1427 STATE/COUNTY- IN/MADISON
LA1427 USGS QUAD - ANDERSON SOUTH
LA1427
LA1427 HORZ DATUM - NAD 83
LA1427 VERT DATUM - NAVD 88
LA1427
LA1427 POSITION - 40 05 53. (N) 085 41 38. (W) SCALED
LA1427 83 minus 27 - +00. -00. NADCON
LA1427
LA1427 HEIGHT - 264.688 (meters) 868.40 (feet) ADJUST
LA1427 88 minus 29 - -0.138 ADJ UNCHK
LA1427 **********
LA1427 GEOID HEIGHT- -34.03 GEOID93
LA1427 MODELED GRAV- 980,075.5 NAVD88
LA1427
LA1427 VERT ORDER - SECOND CLASS 0
LA1427
LA1427 The horizontal coordinates were scaled from a topographic map and have
LA1427 an estimated accuracy of +/- 6 seconds.
LA1427
LA1427 The orthometric height was determined by differential leveling
LA1427 and adjusted by the National Geodetic Survey in June 1991.
LA1427
LA1427 The geoid height was determined by GEOID93.
LA1427
LA1427 The modeled gravity was interpolated from observed gravity values.
LA1427
LA1427 STATION MARK IS A BENCH MARK DISK
LA1427 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1427 THE MARK IS STAMPED: D 42 1934
LA1427 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1427

LA1427 HISTORY	- Year	Condition	Recov. By
LA1427 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1427 HISTORY	- 1947	GOOD	NATIONAL GEODETIC SURVEY

LA1427
LA1427 STATION DESCRIPTION
LA1427
LA1427 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1427 AT ANDERSON, ABOUT 0.85 MILE WEST ALONG THE CENTRAL INDIANA RAILROAD
LA1427 FROM THE MERIDIAN STREET STATION AT ANDERSON, 77.5 FEET WEST OF
LA1427 THE CENTER OF THE INTERSECTION OF THE CLEVELAND, CINCINNATI,
LA1427 CHICAGO AND ST. LOUIS RAILWAY, 18.7 FEET EAST OF THE EAST CURB
LA1427 OF LOCUST STREET, 6.9 FEET SOUTH OF THE SOUTH RAIL OF THE C.I. RR,
LA1427 6.6 FEET WEST OF THE NORTH CORNER OF A SWITCH TOWER, SET IN THE
LA1427 TOP OF THE SOUTHEAST CORNER OF A CONCRETE SWITCH BASE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1428 **********
LA1428 DESIGNATION - E 42
LA1428 PID - LA1428
LA1428 STATE/COUNTY- IN/MADISON
LA1428 USGS QUAD - ANDERSON SOUTH
LA1428
LA1428 HORZ DATUM - NAD 83
LA1428 VERT DATUM - NAVD 88
LA1428
LA1428 POSITION - 40 05 45. (N) 085 42 31. (W) SCALED
LA1428 83 minus 27 - +00. -00. NADCON
LA1428
LA1428 HEIGHT - 269.556 (meters) 884.37 (feet) ADJUST
LA1428 88 minus 29 - -0.139 ADJ UNCHK
LA1428 **********
LA1428 GEOID HEIGHT- -34.04 GEOID93
LA1428 MODELED GRAV- 980,070.6 NAVD88
LA1428
LA1428 VERT ORDER - SECOND CLASS 0
LA1428
LA1428 The horizontal coordinates were scaled from a topographic map and have
LA1428 an estimated accuracy of +/- 6 seconds.
LA1428
LA1428 The orthometric height was determined by differential leveling
LA1428 and adjusted by the National Geodetic Survey in June 1991.
LA1428
LA1428 The geoid height was determined by GEOID93.
LA1428
LA1428 The modeled gravity was interpolated from observed gravity values.
LA1428
LA1428 STATION MARK IS A BENCH MARK DISK
LA1428 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1428 THE MARK IS STAMPED: E 42 1934
LA1428 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1428 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1428
LA1428 HISTORY - Year Condition Recov. By
LA1428 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1428 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
LA1428
LA1428 STATION DESCRIPTION
LA1428
LA1428 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1428 ABOUT 1.65 MILES WEST ALONG THE CENTRAL INDIANA RAILROAD FROM THE
LA1428 MERIDIAN STREET STATION AT ANDERSON, 60 YARDS EAST OF THE INTERSECTION
LA1428 OF THE PENNSYLVANIA RAILROAD, AT THE NORTH SIDE OF THE WEST WELL
LA1428 PARK, 135 FEET WEST OF THE CENTER LINE OF A DIRT ROAD CROSSING
LA1428 THE TRACK AND RUNNING THROUGH THE PARK, 13.7 FEET SOUTH OF THE
LA1428 SOUTH RAIL OF THE C.I. RR, 16.5 FEET NORTH OF THE NORTH RAIL OF A
LA1428 SPUR TRACK OFF THE PENNSYLVANIA RAILROAD, 9 FEET NORTHEAST OF THE
LA1428 EAST ONE OF A GROUP OF TREES, 2 FEET NORTH OF A WHITE WOODEN
LA1428 WITNESS POST, ABOUT LEVEL WITH THE TRACK AND SET IN THE TOP OF A
LA1428 CONCRETE POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1429 ***
LA1429 DESIGNATION - F 42
LA1429 PID   - LA1429
LA1429 STATE/COUNTY- IN/MADISON
LA1429 USGS QUAD   - ANDERSON SOUTH
LA1429
LA1429 HORZ DATUM - NAD 83
LA1429 VERT DATUM - NAVD 88
LA1429
LA1429 POSITION   - 40 05 44.   (N)   085 42 37.   (W)   SCALED
LA1429 83 minus 27 -   +00.   -00.   NADCON
LA1429
LA1429 HEIGHT   -   269.021 (meters)   882.61   (feet) ADJUST
LA1429 88 minus 29 -   -0.136   ADJ UNCHK
LA1429 ***
LA1429 GEOID HEIGHT-   -34.04   GEOID93
LA1429 MODELED GRAV-   980,070.3   NAVD88
LA1429
LA1429 VERT ORDER - SECOND   CLASS 0
LA1429
LA1429 The horizontal coordinates were scaled from a topographic map and have
LA1429 an estimated accuracy of +/- 6 seconds.
LA1429
LA1429 The orthometric height was determined by differential leveling
LA1429 and adjusted by the National Geodetic Survey in June 1991.
LA1429
LA1429 The geoid height was determined by GEOID93.
LA1429
LA1429 The modeled gravity was interpolated from observed gravity values.
LA1429
LA1429 STATION MARK IS A BENCH MARK DISK
LA1429 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1429 THE MARK IS STAMPED: F 42 1934
LA1429 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1429 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1429
LA1429 HISTORY   - Year Condition   Recov. By
LA1429 HISTORY   - 1934 STATION MONUMENTED   COAST AND GEODETIC SURVEY
LA1429 HISTORY   - 1947 GOOD   NATIONAL GEODETIC SURVEY
LA1429
LA1429   STATION DESCRIPTION
LA1429
LA1429 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1429 ABOUT 1.75 MILES WEST ALONG THE CENTRAL INDIANA RAILROAD FROM THE
LA1429 MERIDIAN STREET STATION AT ANDERSON, NORTH AND ACROSS THE TRACKS
LA1429 FROM WEST WELL PARK, INSIDE A GARAGE BUILDING OF A GASOLINE
LA1429 STORAGE YARD, ABOUT 75 YARDS WEST OF THE INTERSECTION OF THE
LA1429 PENNSYLVANIA RAILROAD, 65 YARDS EAST OF A PAVED ROAD, 28 FEET
LA1429 NORTH OF THE NORTH RAIL OF THE MAIN TRACK, 1.5 FEET EAST OF THE WEST
LA1429 WALL OF THE BUILDING, 5.5 FEET NORTH OF THE SOUTH WALL OF THE
LA1429 BUILDING, 0.5 FOOT BELOW THE CONCRETE FLOOR, AND SET IN THE TOP
LA1429 OF A CONCRETE POST. NOTE-- A HOLE WAS LEFT IN THE CONCRETE FLOOR
LA1429 WHEN THE GARAGE WAS BUILT TO GIVE ACCESS TO THE MARK.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1430 **********

LA1430 DESIGNATION - N 250
LA1430 PID - LA1430
LA1430 STATE/COUNTY- IN/MADISON
LA1430 USGS QUAD - ANDERSON SOUTH
LA1430
LA1430 HORZ DATUM - NAD 83
LA1430 VERT DATUM - NAVD 88
LA1430
LA1430 POSITION - 40 05 29. (N) 085 43 47. (W) SCALED
LA1430 83 minus 27 - +00. -00. NADCON
LA1430
LA1430 HEIGHT - 266.517 (meters) 874.40 (feet) ADJUST
LA1430 88 minus 29 - -0.135 ADJ UNCHK

LA1430 **********

LA1430 GEOID HEIGHT- -34.05 GEOID93
LA1430 MODELED GRAV- 980,069.7 NAVD88
LA1430
LA1430 VERT ORDER - SECOND CLASS 0
LA1430
LA1430 The horizontal coordinates were scaled from a topographic map and have
LA1430 an estimated accuracy of +/- 6 seconds.
LA1430
LA1430 The orthometric height was determined by differential leveling
LA1430 and adjusted by the National Geodetic Survey in June 1991.
LA1430
LA1430 The geoid height was determined by GEOID93.
LA1430
LA1430 The modeled gravity was interpolated from observed gravity values.
LA1430
LA1430 STATION MARK IS A BENCH MARK DISK
LA1430 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1430 THE MARK IS STAMPED: N 250 1947
LA1430 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1430 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1430
LA1430 HISTORY - Year Condition Recov. By
LA1430 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1430

STATION DESCRIPTION

LA1430
LA1430 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1430 ABOUT 2.75 MILES WEST ALONG THE CENTRAL INDIANA RAILROAD FROM THE
LA1430 MERIDIAN STREET STATION AT ANDERSON, ABOUT 0.3 MILE EAST OF AN
LA1430 EAST-WEST PAVED ROAD CROSSING, AT A NORTH-SOUTH GRAVEL ROAD
LA1430 CROSSING, 15.7 FEET NORTH OF THE NORTH RAIL, 28 FEET EAST OF THE
LA1430 CENTER LINE OF THE GRAVEL ROAD, 11 FEET EAST OF A FENCE CORNER,
LA1430 1.8 FEET SOUTH OF THE FENCE LINE, 2 FEET WEST OF A WHITE WOODEN
LA1430 WITNESS POST, ABOUT 1 FOOT BELOW THE TRACK AND SET IN THE TOP OF A
LA1430 CONCRETE POST PROJECTING 4 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1431 **********

LA1431 DESIGNATION - G 42
LA1431 PID - LA1431
LA1431 STATE/COUNTY- IN/MADISON
LA1431 USGS QUAD - ANDERSON SOUTH
LA1431
LA1431 HORZ DATUM - NAD 83
LA1431 VERT DATUM - NAVD 88
LA1431
LA1431 POSITION - 40 05 16. (N) 085 44 55. (W) SCALED
LA1431 83 minus 27 - +00. -00. NADCON
LA1431
LA1431 HEIGHT - 268.297 (meters) 880.24 (feet) ADJUST
LA1431 88 minus 29 - -0.135 ADJ UNCHK

LA1431 **********

LA1431 GEOID HEIGHT- -34.06 GEOID93
LA1431 MODELED GRAV- 980,070.7 NAVD88
LA1431
LA1431 VERT ORDER - SECOND CLASS 0
LA1431
LA1431 The horizontal coordinates were scaled from a topographic map and have
LA1431 an estimated accuracy of +/- 6 seconds.
LA1431
LA1431 The orthometric height was determined by differential leveling
LA1431 and adjusted by the National Geodetic Survey in June 1991.
LA1431
LA1431 The geoid height was determined by GEOID93.
LA1431
LA1431 The modeled gravity was interpolated from observed gravity values.
LA1431
LA1431 STATION MARK IS A BENCH MARK DISK
LA1431 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1431 THE MARK IS STAMPED: G 42 1934
LA1431 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1431 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1431
LA1431 HISTORY - Year Condition Recov. By
LA1431 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1431 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
LA1431

STATION DESCRIPTION

LA1431
LA1431 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1431 ABOUT 3.75 MILES WEST ALONG THE CENTRAL INDIANA RAILROAD FROM
LA1431 THE MERIDIAN STREET STATION AT ANDERSON, AT A GRAVEL ROAD CROSSING,
LA1431 14.2 FEET SOUTH OF THE SOUTH RAIL, 33 FEET EAST OF THE CENTER
LA1431 LINE OF THE GRAVEL ROAD, 2.5 FEET NORTH OF THE FENCE LINE, 17
LA1431 FEET EAST OF A FENCE CORNER POST, 2 FEET WEST OF A WHITE WOODEN
LA1431 WITNESS POST, ABOUT 1 FOOT BELOW THE TRACK AND SET IN THE TOP
LA1431 OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1432 **********

LA1432 DESIGNATION - M 250
LA1432 PID - LA1432
LA1432 STATE/COUNTY- IN/MADISON
LA1432 USGS QUAD - LAPEL
LA1432
LA1432 HORZ DATUM - NAD 83
LA1432 VERT DATUM - NAVD 88
LA1432
LA1432 POSITION - 40 05 03. (N) 085 46 04. (W) SCALED
LA1432 83 minus 27 - +00. -00. NADCON
LA1432
LA1432 HEIGHT - 265.346 (meters) 870.56 (feet) ADJUST
LA1432 88 minus 29 - -0.135 ADJ UNCHK

LA1432 **********

LA1432 GEOID HEIGHT- -34.07 GEOID93
LA1432 MODELED GRAV- 980,072.0 NAVD88
LA1432
LA1432 VERT ORDER - SECOND CLASS 0
LA1432
LA1432 The horizontal coordinates were scaled from a topographic map and have
LA1432 an estimated accuracy of +/- 6 seconds.
LA1432
LA1432 The orthometric height was determined by differential leveling
LA1432 and adjusted by the National Geodetic Survey in June 1991.
LA1432
LA1432 The geoid height was determined by GEOID93.
LA1432
LA1432 The modeled gravity was interpolated from observed gravity values.
LA1432
LA1432 STATION MARK IS A BENCH MARK DISK
LA1432 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1432 THE MARK IS STAMPED: M 250 1947
LA1432 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1432 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1432
LA1432 HISTORY - Year Condition Recov. By
LA1432 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1432

STATION DESCRIPTION

LA1432
LA1432 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1432 ABOUT 4.75 MILES WEST ALONG THE CENTRAL INDIANA RAILROAD FROM THE
LA1432 MERIDIAN STREET STATION AT ANDERSON, AT A BLACK TOP ROAD CROSSING
LA1432 WITH A CANNING PLANT IN THE NORTHWEST QUARTER OF THE INTERSECTION,
LA1432 36 FEET EAST OF THE CENTER LINE OF THE ROAD, 68 FEET NORTH OF THE
LA1432 NORTH RAIL OF THE MAIN TRACK, 14 FEET EAST OF THE WEST END POST
LA1432 OF THE RAILROAD RIGHT-OF-WAY FENCE, 2 FEET SOUTH OF THE FENCE
LA1432 LINE, 2 FEET NORTH OF A WHITE WOODEN WITNESS POST, ABOUT 1 FOOT
LA1432 BELOW THE TRACK AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1432 3 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1433 **********

LA1433 DESIGNATION - H 42
LA1433 PID - LA1433
LA1433 STATE/COUNTY- IN/MADISON
LA1433 USGS QUAD - LAPEL
LA1433
LA1433 HORZ DATUM - NAD 83
LA1433 VERT DATUM - NAVD 88
LA1433
LA1433 POSITION - 40 04 49. (N) 085 47 11. (W) SCALED
LA1433 83 minus 27 - +00. -00. NADCON
LA1433
LA1433 HEIGHT - 265.995 (meters) 872.69 (feet) ADJUST
LA1433 88 minus 29 - -0.134 ADJ UNCHK

LA1433 **********

LA1433 GEOID HEIGHT- -34.07 GEOID93
LA1433 MODELED GRAV- 980,073.3 NAVD88
LA1433
LA1433 VERT ORDER - SECOND CLASS 0
LA1433
LA1433 The horizontal coordinates were scaled from a topographic map and have
LA1433 an estimated accuracy of +/- 6 seconds.
LA1433
LA1433 The orthometric height was determined by differential leveling
LA1433 and adjusted by the National Geodetic Survey in June 1991.
LA1433
LA1433 The geoid height was determined by GEOID93.
LA1433
LA1433 The modeled gravity was interpolated from observed gravity values.
LA1433
LA1433 STATION MARK IS A BENCH MARK DISK
LA1433 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1433 THE MARK IS STAMPED: H 42 1934
LA1433 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1433 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1433

LA1433 HISTORY	- Year Condition	Recov. By
LA1433 HISTORY	- 1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1433 HISTORY	- 1947 GOOD	NATIONAL GEODETIC SURVEY

LA1433
LA1433 STATION DESCRIPTION
LA1433
LA1433 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1433 5.8 MILES WEST ALONG THE CENTRAL INDIANA RAILWAY FROM THE MERIDIAN
LA1433 STREET STATION AT ANDERSON, MADISON COUNTY, ABOUT 160 YARDS SOUTH
LA1433 OF THE D. SEARS HOUSE, 60 YARDS SOUTHEAST OF THE L.D. DAY HOME,
LA1433 IN THE NORTHEAST ANGLE OF THE CROSSING OF A GRAVEL ROAD, 24 FEET
LA1433 EAST OF THE CENTERLINE OF THE GRAVEL ROAD, 15 FEET NORTH OF THE
LA1433 NORTH RAIL, AND 3 FEET SOUTH OF A FENCE LINE. A STANDARD DISK,
LA1433 STAMPED H 42 1934 AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1433 6 INCHES ABOVE GROUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1434 **********

LA1434 DESIGNATION - L 250
LA1434 PID - LA1434
LA1434 STATE/COUNTY- IN/MADISON
LA1434 USGS QUAD - LAPEL
LA1434
LA1434 HORZ DATUM - NAD 83
LA1434 VERT DATUM - NAVD 88
LA1434
LA1434 POSITION - 40 04 35. (N) 085 48 22. (W) SCALED
LA1434 83 minus 27 - +00. -00. NADCON
LA1434
LA1434 HEIGHT - 264.892 (meters) 869.07 (feet) ADJUST
LA1434 88 minus 29 - -0.134 ADJ UNCHK

LA1434 **********

LA1434 GEOID HEIGHT- -34.08 GEOID93
LA1434 MODELED GRAV- 980,074.8 NAVD88
LA1434
LA1434 VERT ORDER - SECOND CLASS 0
LA1434
LA1434 The horizontal coordinates were scaled from a topographic map and have
LA1434 an estimated accuracy of +/- 6 seconds.
LA1434
LA1434 The orthometric height was determined by differential leveling
LA1434 and adjusted by the National Geodetic Survey in June 1991.
LA1434
LA1434 The geoid height was determined by GEOID93.
LA1434
LA1434 The modeled gravity was interpolated from observed gravity values.
LA1434
LA1434 STATION MARK IS A BENCH MARK DISK
LA1434 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1434 THE MARK IS STAMPED: L 250 1947
LA1434 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1434 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1434
LA1434 HISTORY - Year Condition Recov. By
LA1434 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1434

STATION DESCRIPTION

LA1434
LA1434 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1434 ABOUT 6.75 MILES WEST ALONG THE CENTRAL INDIANA RAILROAD FROM
LA1434 THE MERIDIAN STREET STATION AT ANDERSON, ABOUT 0.3 MILE EAST OF A
LA1434 GRAVEL ROAD CROSSING, AT A NORTH-SOUTH GRAVEL ROAD CROSSING, 15.5
LA1434 FEET SOUTH OF THE SOUTH RAIL OF THE TRACK, 27 FEET WEST OF THE
LA1434 CENTER LINE OF THE GRAVEL ROAD, 11.5 FEET WEST OF POWER POLE NO.
LA1434 65/771, 8.5 FEET WEST OF A FENCE CORNER POST, 2 FEET NORTH OF THE
LA1434 FENCE LINE, 2 FEET WEST OF A WHITE WOODEN WITNESS POST, 1 FOOT
LA1434 BELOW THE TRACK AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1434 4 INCHES. NOTE-- MARK IS ABOUT 2.3 MILES EAST OF THE STATION
LA1434 AT LAPEL, MADISON COUNTY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1435 **********

LA1435 DESIGNATION - J 42
LA1435 PID - LA1435
LA1435 STATE/COUNTY- IN/MADISON
LA1435 USGS QUAD - LAPEL
LA1435
LA1435 HORZ DATUM - NAD 83
LA1435 VERT DATUM - NAVD 88
LA1435
LA1435 POSITION - 40 04 18. (N) 085 49 46. (W) SCALED
LA1435 83 minus 27 - +00. -00. NADCON
LA1435
LA1435 HEIGHT - 264.300 (meters) 867.12 (feet) ADJUST
LA1435 88 minus 29 - -0.130 ADJ UNCHK
LA1435 **********
LA1435 GEOID HEIGHT- -34.08 GEOID93
LA1435 MODELED GRAV- 980,076.2 NAVD88
LA1435
LA1435 VERT ORDER - SECOND CLASS 0
LA1435
LA1435 The horizontal coordinates were scaled from a topographic map and have
LA1435 an estimated accuracy of +/- 6 seconds.
LA1435
LA1435 The orthometric height was determined by differential leveling
LA1435 and adjusted by the National Geodetic Survey in June 1991.
LA1435
LA1435 The geoid height was determined by GEOID93.
LA1435
LA1435 The modeled gravity was interpolated from observed gravity values.
LA1435
LA1435 STATION MARK IS A BENCH MARK DISK
LA1435 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1435 THE MARK IS STAMPED: J 42 1934
LA1435 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1435

LA1435 HISTORY	- Year	Condition	Recov. By
LA1435 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1435 HISTORY	- 1947	GOOD	NATIONAL GEODETIC SURVEY

LA1435

LA1435 STATION DESCRIPTION

LA1435

LA1435 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1435 1.0 MILE EAST ALONG THE CENTRAL INDIANA RAILWAY FROM THE STATION
LA1435 AT LAPEL, MADISON COUNTY, 0.2 MILE SOUTHEAST OF THE GWINN VIEW
LA1435 STOCK FARM BUILDINGS, IN THE NORTHEAST ANGLE OF A GRAVEL-ROAD
LA1435 CROSSING, 27 FEET NORTH OF THE NORTH RAIL, 15 FEET EAST OF THE
LA1435 CENTERLINE OF THE GRAVEL ROAD, IN THE CENTER OF THE TOP OF A CONCRETE
LA1435 SECTION-CORNER POST, ABOUT 4 FEET HIGHER THAN THE GROUND, AND 6
LA1435 INCHES HIGHER THAN THE TRACK. A STANDARD DISK, STAMPED J 42 1934.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1436 **********

LA1436 DESIGNATION - E 209
LA1436 PID - LA1436
LA1436 STATE/COUNTY- IN/MADISON
LA1436 USGS QUAD - LAPEL
LA1436
LA1436 HORZ DATUM - NAD 83
LA1436 VERT DATUM - NAVD 88
LA1436
LA1436 POSITION - 40 04 30. (N) 085 49 44. (W) SCALED
LA1436 83 minus 27 - +00. -00. NADCON
LA1436
LA1436 HEIGHT - 264.102 (meters) 866.48 (feet) ADJUST
LA1436 88 minus 29 - -0.134 ADJ UNCHK

LA1436 **********

LA1436 GEOID HEIGHT- -34.08 GEOID93
LA1436 MODELED GRAV- 980,076.6 NAVD88
LA1436
LA1436 VERT ORDER - SECOND CLASS 0
LA1436
LA1436 The horizontal coordinates were scaled from a topographic map and have
LA1436 an estimated accuracy of +/- 6 seconds.
LA1436
LA1436 The orthometric height was determined by differential leveling
LA1436 and adjusted by the National Geodetic Survey in June 1991.
LA1436
LA1436 The geoid height was determined by GEOID93.
LA1436
LA1436 The modeled gravity was interpolated from observed gravity values.
LA1436
LA1436 STATION MARK IS A BENCH MARK DISK
LA1436 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1436 THE MARK IS STAMPED: E 209 1946
LA1436 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1436 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1436
LA1436 HISTORY - Year Condition Recov. By
LA1436 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1436

STATION DESCRIPTION

LA1436
LA1436 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1436 ABOUT 1.0 MILE EAST ALONG THE CENTRAL INDIANA RAILWAY FROM THE
LA1436 STATION AT LAPEL, THENCE ABOUT 0.25 MILE NORTH ALONG A GRAVEL ROAD,
LA1436 SET IN THE SOUTHWEST CORNER OF THE LAPEL AIRPORT, AT AN EAST-WEST
LA1436 GRAVEL ROAD CROSSING, ABOUT 0.1 MILE SOUTH OF THE ADMINSTRATION
LA1436 BUILDING, 94 FEET EAST OF THE CENTER LINE OF THE NORTH-SOUTH
LA1436 ROAD, 16 FEET NORTH OF THE CENTER LINE OF THE EAST-WEST ROAD,
LA1436 5 FEET NORTHWEST OF POWER POLE 5/151/350, ABOUT 0.5 FOOT ABOVE
LA1436 THE INTERSECTION, AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1436 6 INCHES. NOTE-- IT WAS REPORTED IN JULY 1953 THAT LAPEL AIRPORT
LA1436 HAS BEEN DISCONTINUED AND IS NO LONGER MAINTAINED, THE LAND AREA
LA1436 IS NOW CULTIVATED AND IN FARM USE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1437 **********

LA1437 DESIGNATION - F 209
LA1437 PID - LA1437
LA1437 STATE/COUNTY- IN/MADISON
LA1437 USGS QUAD - LAPEL
LA1437
LA1437 HORZ DATUM - NAD 83
LA1437 VERT DATUM - NAVD 88
LA1437
LA1437 POSITION - 40 04 35. (N) 085 49 46. (W) SCALED
LA1437 83 minus 27 - +00. -00. NADCON
LA1437
LA1437 HEIGHT - 263.026 (meters) 862.94 (feet) ADJUST
LA1437 88 minus 29 - -0.134 ADJ UNCHK

LA1437 **********

LA1437 GEOID HEIGHT- -34.09 GEOID93
LA1437 MODELED GRAV- 980,076.8 NAVD88
LA1437
LA1437 VERT ORDER - SECOND CLASS 0
LA1437
LA1437 The horizontal coordinates were scaled from a topographic map and have
LA1437 an estimated accuracy of +/- 6 seconds.
LA1437
LA1437 The orthometric height was determined by differential leveling
LA1437 and adjusted by the National Geodetic Survey in June 1991.
LA1437
LA1437 The geoid height was determined by GEOID93.
LA1437
LA1437 The modeled gravity was interpolated from observed gravity values.
LA1437
LA1437 STATION MARK IS A BENCH MARK DISK
LA1437 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1437 THE MARK IS STAMPED: F 209 1946
LA1437 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1437 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1437
LA1437 HISTORY - Year Condition Recov. By
LA1437 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1437

STATION DESCRIPTION

LA1437
LA1437 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1437 ABOUT 1.0 MILE EAST ALONG THE CENTRAL INDIANA RAILWAY FROM THE
LA1437 STATION AT LAPEL, THENCE ABOUT 0.35 MILE NORTH ALONG A GRAVEL ROAD,
LA1437 AT THE LAPEL AIRPORT, 129 FEET WEST AND ACROSS THE NORTH-SOUTH
LA1437 ROAD FROM THE SOUTHWEST CORNER OF THE ADMINSTRATION BUILDING,
LA1437 159 FEET SOUTH OF A T FENCE CORNER IN THE WEST RIGHT-OF-WAY FENCE,
LA1437 16 FEET WEST OF THE CENTER LINE OF THE ROAD, 9 FEET NORTH OF
LA1437 TRANSFORMER POWER POLE NO. 65-617 AND IN LINE WITH THE ROW OF POLES,
LA1437 ABOUT 1 FOOT ABOVE THE ROAD, AND SET IN THE TOP OF A CONCRETE
LA1437 POST PROJECTING 6 IN. NOTE-- IT WAS REPORTED IN JULY 1953 THAT
LA1437 THE AIRPORT IS NO LONGER IN OPERATION AND THE ADMINISTRATION
LA1437 BUILDING HAS BEEN CONVERTED INTO A DWELLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1438 **********

LA1438 DESIGNATION - G 209
LA1438 PID - LA1438
LA1438 STATE/COUNTY- IN/MADISON
LA1438 USGS QUAD - LAPEL
LA1438
LA1438 HORZ DATUM - NAD 83
LA1438 VERT DATUM - NAVD 88
LA1438
LA1438 POSITION - 40 04 41. (N) 085 49 45. (W) SCALED
LA1438 83 minus 27 - +00. -00. NADCON
LA1438
LA1438 HEIGHT - 262.359 (meters) 860.76 (feet) ADJUST
LA1438 88 minus 29 - -0.135 ADJ UNCHK

LA1438 **********

LA1438 GEOID HEIGHT- -34.09 GEOID93
LA1438 MODELED GRAV- 980,077.0 NAVD88
LA1438
LA1438 VERT ORDER - SECOND CLASS 0
LA1438
LA1438 The horizontal coordinates were scaled from a topographic map and have
LA1438 an estimated accuracy of +/- 6 seconds.
LA1438
LA1438 The orthometric height was determined by differential leveling
LA1438 and adjusted by the National Geodetic Survey in June 1991.
LA1438
LA1438 The geoid height was determined by GEOID93.
LA1438
LA1438 The modeled gravity was interpolated from observed gravity values.
LA1438
LA1438 STATION MARK IS A BENCH MARK DISK
LA1438 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1438 THE MARK IS STAMPED: G 209 1946
LA1438 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1438 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1438
LA1438 HISTORY - Year Condition Recov. By
LA1438 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1438

STATION DESCRIPTION

LA1438
LA1438 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1438 ABOUT 1.0 MILE EAST ALONG THE CENTRAL INDIANA RAILWAY FROM THE
LA1438 STATION AT LAPEL, THENCE ABOUT 0.45 MILE NORTH ALONG A GRAVEL ROAD,
LA1438 AT THE NORTHWEST CORNER OF THE LAPEL AIRPORT, ABOUT 0.1 MILE NORTH
LA1438 OF THE ADMINSTRATION BUILDING, 33 FEET NORTHEAST AND ACROSS THE
LA1438 ROAD FROM POWER POLE 65/621, 16 FEET EAST OF THE CENTER LINE OF
LA1438 THE ROAD, 2 FEET SOUTH OF A CORNER FENCE POST AND IN LINE WITH
LA1438 THE FENCE LEADING NORTH, ABOUT 0.5 FOOT ABOVE THE ROAD, AND SET
LA1438 IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES. NOTE-- IT WAS
LA1438 REPORTED IN JULY 1953 THAT THE AIRPORT IS NO LONGER IN OPERATION,
LA1438 THE LAND HAS BEEN CULTIVATED AND PUT IN FARM USE, AND THE
LA1438 ADMINISTRATION BUILDING HAS BEEN CONVERTED INTO A DWELLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1439 **********
LA1439 DESIGNATION - K 42
LA1439 PID - LA1439
LA1439 STATE/COUNTY- IN/MADISON
LA1439 USGS QUAD - LAPEL
LA1439
LA1439 HORZ DATUM - NAD 83
LA1439 VERT DATUM - NAVD 88
LA1439
LA1439 POSITION - 40 04 06. (N) 085 50 50. (W) SCALED
LA1439 83 minus 27 - +00. -00. NADCON
LA1439
LA1439 HEIGHT - 261.499 (meters) 857.93 (feet) ADJUST
LA1439 88 minus 29 - -0.132 ADJ UNCHK
LA1439 **********
LA1439 GEOID HEIGHT- -34.08 GEOID93
LA1439 MODELED GRAV- 980,076.4 NAVD88
LA1439
LA1439 VERT ORDER - SECOND CLASS 0
LA1439
LA1439 The horizontal coordinates were scaled from a topographic map and have
LA1439 an estimated accuracy of +/- 6 seconds.
LA1439
LA1439 The orthometric height was determined by differential leveling
LA1439 and adjusted by the National Geodetic Survey in June 1991.
LA1439
LA1439 The geoid height was determined by GEOID93.
LA1439
LA1439 The modeled gravity was interpolated from observed gravity values.
LA1439
LA1439 STATION MARK IS A BENCH MARK DISK
LA1439 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1439 THE MARK IS STAMPED: K 42 1934
LA1439 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1439 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1439
LA1439 HISTORY - Year Condition Recov. By
LA1439 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1439 HISTORY - 1974 UNKNOWN - MARK NOT F LOCAL SURVEYOR
LA1439
LA1439 STATION DESCRIPTION
LA1439
LA1439 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA1439 AT LAPEL, MADISON COUNTY, ON THE CENTRAL INDIANA RAILWAY, 29.1 FEET
LA1439 WEST OF THE WEST END OF THE STATION, 64 YARDS EAST OF THE EAST
LA1439 EDGE OF MAIN STREET, 55.2 FEET NORTHWEST OF THE NORTHWEST CORNER
LA1439 OF THE STANDARD ELEVATOR CO. BUILDING, 1 FOOT SOUTH OF A POLE,
LA1439 AND 2 INCHES HIGHER THAN THE TRACK. A STANDARD DISK, STAMPED
LA1439 K 42 1934 AND SET IN THE TOP OF A CONCRETE POST. NOTE-- STANDARD
LA1439 ELEVATOR CO. BLDG. HAS BURNED AND BEEN REBUILT AND THE FIRE DEPT
LA1439 HAS BUILT WITHIN 20 FT PLUS OR MINUS OF WEST END OF STATION.
LA1439
LA1439 STATION RECOVERY (1974)
LA1439
LA1439 RECOVERY NOTE BY LOCAL SURVEYOR (INDIVIDUAL OR FIRM) 1974
LA1439 MARK NOT FOUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1446 **********

LA1446 DESIGNATION - W 185
LA1446 PID - LA1446
LA1446 STATE/COUNTY- IN/MADISON
LA1446 USGS QUAD - ALEXANDRIA
LA1446
LA1446 HORZ DATUM - NAD 83
LA1446 VERT DATUM - NAVD 88
LA1446
LA1446 POSITION - 40 16 37. (N) 085 41 23. (W) SCALED
LA1446 83 minus 27 - +00. -00. NADCON
LA1446
LA1446 HEIGHT - 259.782 (meters) 852.30 (feet) ADJUST
LA1446 88 minus 29 - -0.142 ADJ UNCHK

LA1446 **********

LA1446 GEOID HEIGHT- -34.12 GEOID93
LA1446 MODELED GRAV- 980,095.3 NAVD88
LA1446
LA1446 VERT ORDER - SECOND CLASS 0
LA1446
LA1446 The horizontal coordinates were scaled from a topographic map and have
LA1446 an estimated accuracy of +/- 6 seconds.
LA1446
LA1446 The orthometric height was determined by differential leveling
LA1446 and adjusted by the National Geodetic Survey in June 1991.
LA1446
LA1446 The geoid height was determined by GEOID93.
LA1446
LA1446 The modeled gravity was interpolated from observed gravity values.
LA1446
LA1446 STATION MARK IS A BENCH MARK DISK
LA1446 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1446 THE MARK IS STAMPED: W 185 1946
LA1446 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1446
LA1446 HISTORY - Year Condition Recov. By
LA1446 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1446

STATION DESCRIPTION

LA1446
LA1446 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1446 ABOUT 1.05 MILES WEST ALONG STATE HIGHWAY 28 FROM THE
LA1446 INTERSECTION OF STATE HIGHWAY 9 AT ALEXANDRIA, ABOUT 0.3 MILE
LA1446 WEST OF THE ENTRANCE TO THE RACE TRACK, ABOUT 0.2 MILE EAST OF A
LA1446 GRAVEL ROAD LEADING NORTH AND A DIM ROAD LEADING SOUTH, SET IN
LA1446 THE TOP OF THE NORTHWEST END OF THE SOUTHEAST CONCRETE WING WALL
LA1446 OF A 40 FOOT CONCRETE BRIDGE OVER MUD CREEK, 14 FEET SOUTH OF THE
LA1446 CENTER LINE OF THE HIGHWAY, AND ABOUT 0.5 FOOT ABOVE THE
LA1446 BRIDGE FLOOR.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1447 **********

LA1447 DESIGNATION - X 185
LA1447 PID - LA1447
LA1447 STATE/COUNTY- IN/MADISON
LA1447 USGS QUAD - ALEXANDRIA
LA1447
LA1447 HORZ DATUM - NAD 83
LA1447 VERT DATUM - NAVD 88
LA1447
LA1447 POSITION - 40 16 40. (N) 085 42 43. (W) SCALED
LA1447 83 minus 27 - +00. -00. NADCON
LA1447
LA1447 HEIGHT - 258.555 (meters) 848.27 (feet) ADJUST
LA1447 88 minus 29 - -0.141 ADJ UNCHK

LA1447 **********

LA1447 GEOID HEIGHT- -34.14 GEOID93
LA1447 MODELED GRAV- 980,094.1 NAVD88
LA1447
LA1447 VERT ORDER - SECOND CLASS 0
LA1447
LA1447 The horizontal coordinates were scaled from a topographic map and have
LA1447 an estimated accuracy of +/- 6 seconds.
LA1447
LA1447 The orthometric height was determined by differential leveling
LA1447 and adjusted by the National Geodetic Survey in June 1991.
LA1447
LA1447 The geoid height was determined by GEOID93.
LA1447
LA1447 The modeled gravity was interpolated from observed gravity values.
LA1447
LA1447 STATION MARK IS A BENCH MARK DISK
LA1447 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1447 THE MARK IS STAMPED: X 185 1946
LA1447 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1447
LA1447 HISTORY - Year Condition Recov. By
LA1447 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1447
LA1447 STATION DESCRIPTION
LA1447
LA1447 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1447 ABOUT 2.25 MILES WEST ALONG STATE HIGHWAY 28 FROM ITS
LA1447 INTERSECTION WITH STATE HIGHWAY 9 AT ALEXANDRIA, ABOUT 0.2 MILE
LA1447 WEST OF A NORTH-SOUTH CROSS ROAD, SET IN THE TOP OF THE NORTH
LA1447 END OF THE EAST CONCRETE ABUTMENT OF A 60 FOOT CONCRETE BRIDGE
LA1447 OVER LILLY CREEK, 14 FEET NORTH OF THE CENTER LINE OF THE
LA1447 HIGHWAY, 1 FOOT NORTH OF THE NORTH CONCRETE BRIDGE RAILING, AND
LA1447 ABOUT 0.5 FOOT ABOVE THE BRIDGE FLOOR.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1448 **********

LA1448 DESIGNATION - Y 185
LA1448 PID - LA1448
LA1448 STATE/COUNTY- IN/MADISON
LA1448 USGS QUAD - ALEXANDRIA
LA1448
LA1448 HORZ DATUM - NAD 83
LA1448 VERT DATUM - NAVD 88
LA1448
LA1448 POSITION - 40 16 39. (N) 085 43 39. (W) SCALED
LA1448 83 minus 27 - +00. -00. NADCON
LA1448
LA1448 HEIGHT - 265.847 (meters) 872.20 (feet) ADJUST
LA1448 88 minus 29 - -0.139 ADJ UNCHK

LA1448 **********

LA1448 GEOID HEIGHT- -34.15 GEOID93
LA1448 MODELED GRAV- 980,093.3 NAVD88
LA1448
LA1448 VERT ORDER - SECOND CLASS 0
LA1448
LA1448 The horizontal coordinates were scaled from a topographic map and have
LA1448 an estimated accuracy of +/- 6 seconds.
LA1448
LA1448 The orthometric height was determined by differential leveling
LA1448 and adjusted by the National Geodetic Survey in June 1991.
LA1448
LA1448 The geoid height was determined by GEOID93.
LA1448
LA1448 The modeled gravity was interpolated from observed gravity values.
LA1448
LA1448 STATION MARK IS A BENCH MARK DISK
LA1448 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1448 THE MARK IS STAMPED: Y 185 1946
LA1448 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1448 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1448
LA1448 HISTORY - Year Condition Recov. By
LA1448 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1448

STATION DESCRIPTION

LA1448
LA1448 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1448 ABOUT 3.05 MILES WEST ALONG STATE HIGHWAY 28 FROM ITS
LA1448 INTERSECTION WITH STATE HIGHWAY 9 IN THE NORTHEAST PART OF
LA1448 ALEXANDRIA, ABOUT 125 YARDS EAST OF WALKERS MARATHON SERVICE
LA1448 STATION AND GENERAL STORE, 29 FEET NORTH OF THE CENTER LINE OF
LA1448 THE HIGHWAY, 24 FEET EAST OF THE CENTER LINE OF A NORTH-SOUTH
LA1448 GRAVEL ROAD, 6 FEET EAST SOUTHEAST OF A FENCE CORNER POST, 4
LA1448 FEET EAST OF TELEPHONE POLE NO. 123, 3 FEET SOUTHWEST OF A
LA1448 HIGHWAY R.O.W. MARKER, ABOUT 1 FOOT BELOW THE INTERSECTION, AND
LA1448 SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1449 **********

LA1449 DESIGNATION - Z 185
LA1449 PID - LA1449
LA1449 STATE/COUNTY- IN/MADISON
LA1449 USGS QUAD - ALEXANDRIA
LA1449
LA1449 HORZ DATUM - NAD 83
LA1449 VERT DATUM - NAVD 88
LA1449
LA1449 POSITION - 40 16 39. (N) 085 44 47. (W) SCALED
LA1449 83 minus 27 - +00. -00. NADCON
LA1449
LA1449 HEIGHT - 266.079 (meters) 872.96 (feet) ADJUST
LA1449 88 minus 29 - -0.138 ADJ UNCHK

LA1449 **********

LA1449 GEOID HEIGHT- -34.17 GEOID93
LA1449 MODELED GRAV- 980,092.3 NAVD88
LA1449
LA1449 VERT ORDER - SECOND CLASS 0
LA1449
LA1449 The horizontal coordinates were scaled from a topographic map and have
LA1449 an estimated accuracy of +/- 6 seconds.
LA1449
LA1449 The orthometric height was determined by differential leveling
LA1449 and adjusted by the National Geodetic Survey in June 1991.
LA1449
LA1449 The geoid height was determined by GEOID93.
LA1449
LA1449 The modeled gravity was interpolated from observed gravity values.
LA1449
LA1449 STATION MARK IS A BENCH MARK DISK
LA1449 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1449 THE MARK IS STAMPED: Z 185 1946
LA1449 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1449 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1449
LA1449 HISTORY - Year Condition Recov. By
LA1449 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1449

STATION DESCRIPTION

LA1449
LA1449 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1449 ABOUT 4.95 MILES EAST ALONG STATE HIGHWAY 28 FROM THE
LA1449 INTERSECTION OF STATE HIGHWAY 13 AT ELWOOD, ABOUT 0.5 MILE EAST
LA1449 OF JOE STURBOIS GENERAL STORE, AT A NORTH-SOUTH GRAVEL ROAD, 134
LA1449 FEET NORTHEAST AND ACROSS THE INTERSECTION FROM THE NORTHEAST
LA1449 CORNER OF A WHITE FARM HOUSE, 28 FEET NORTH OF THE CENTER LINE
LA1449 OF THE HIGHWAY, 34 FEET EAST OF THE CENTER LINE OF THE GRAVEL
LA1449 ROAD, 19 FEET EAST OF THE EAST END OF A 14 INCH CLAY PIPE
LA1449 CULVERT UNDER THE SIDE ROAD, 3.5 FEET EAST OF TELEPHONE POLE
LA1449 NO. 163, ABOUT 1 FOOT BELOW THE INTERSECTION, AND SET IN THE TOP
LA1449 OF A CONCRETE POST PROJECTING 6 INCHES. NOTE-- MARK IS ABOUT
LA1449 4.1 MILES WEST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION WITH
LA1449 STATE HIGHWAY 9 AT THE NORTHEAST PART OF ALEXANDRIA.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1450 **********

LA1450 DESIGNATION - K 206
LA1450 PID - LA1450
LA1450 STATE/COUNTY- IN/MADISON
LA1450 USGS QUAD - ELWOOD
LA1450
LA1450 HORZ DATUM - NAD 83
LA1450 VERT DATUM - NAVD 88
LA1450
LA1450 POSITION - 40 16 39. (N) 085 45 55. (W) SCALED
LA1450 83 minus 27 - +00. -00. NADCON
LA1450
LA1450 HEIGHT - 265.598 (meters) 871.38 (feet) ADJUST
LA1450 88 minus 29 - -0.137 ADJ UNCHK

LA1450 **********

LA1450 GEOID HEIGHT- -34.19 GEOID93
LA1450 MODELED GRAV- 980,091.5 NAVD88
LA1450
LA1450 VERT ORDER - SECOND CLASS 0
LA1450
LA1450 The horizontal coordinates were scaled from a topographic map and have
LA1450 an estimated accuracy of +/- 6 seconds.
LA1450
LA1450 The orthometric height was determined by differential leveling
LA1450 and adjusted by the National Geodetic Survey in June 1991.
LA1450
LA1450 The geoid height was determined by GEOID93.
LA1450
LA1450 The modeled gravity was interpolated from observed gravity values.
LA1450
LA1450 STATION MARK IS A BENCH MARK DISK
LA1450 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1450 THE MARK IS STAMPED: K 206 1946
LA1450 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1450
LA1450 HISTORY - Year Condition Recov. By
LA1450 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1450 HISTORY - 1971 GOOD LOCAL SURVEYOR
LA1450
LA1450 STATION DESCRIPTION
LA1450
LA1450 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1450 ABOUT 3.9 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS
LA1450 INTERSECTION WITH STATE HIGHWAY 13 AT ELWOOD, ABOUT 0.5 MILE
LA1450 WEST OF JOE STURBOIS GENERAL STORE, SET IN THE SOUTHEAST QUARTER
LA1450 OF THE INTERSECTION OF A NORTH-SOUTH ROAD, SET IN THE TOP OF THE
LA1450 EAST END OF THE SOUTH CONCRETE HEAD WALL OF A 14 INCH CLAY TILE
LA1450 PIPE CULVERT, 75 FEET EAST OF THE CENTER LINE OF THE GRAVEL
LA1450 ROAD, 19 FEET SOUTH OF THE CENTER LINE OF THE HIGHWAY, AND ABOUT
LA1450 LEVEL WITH THE INTERSECTION.
LA1450
LA1450 STATION RECOVERY (1971)
LA1450
LA1450 RECOVERY NOTE BY LOCAL SURVEYOR (INDIVIDUAL OR FIRM) 1971
LA1450 RECOVERED IN GOOD CONDITION.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1452 **********

LA1452 DESIGNATION - M 206
LA1452 PID - LA1452
LA1452 STATE/COUNTY- IN/MADISON
LA1452 USGS QUAD - ELWOOD
LA1452
LA1452 HORZ DATUM - NAD 83
LA1452 VERT DATUM - NAVD 88
LA1452
LA1452 POSITION - 40 16 38. (N) 085 48 11. (W) SCALED
LA1452 83 minus 27 - +00. -00. NADCON
LA1452
LA1452 HEIGHT - 264.479 (meters) 867.71 (feet) ADJUST
LA1452 88 minus 29 - -0.134 ADJ UNCHK

LA1452 **********

LA1452 GEOID HEIGHT- -34.22 GEOID93
LA1452 MODELED GRAV- 980,090.1 NAVD88
LA1452
LA1452 VERT ORDER - SECOND CLASS 0
LA1452
LA1452 The horizontal coordinates were scaled from a topographic map and have
LA1452 an estimated accuracy of +/- 6 seconds.
LA1452
LA1452 The orthometric height was determined by differential leveling
LA1452 and adjusted by the National Geodetic Survey in June 1991.
LA1452
LA1452 The geoid height was determined by GEOID93.
LA1452
LA1452 The modeled gravity was interpolated from observed gravity values.
LA1452
LA1452 STATION MARK IS A BENCH MARK DISK
LA1452 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1452 THE MARK IS STAMPED: M 206 1946
LA1452 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1452
LA1452 HISTORY - Year Condition Recov. By
LA1452 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1452
LA1452 STATION DESCRIPTION
LA1452
LA1452 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1452 ABOUT 1.9 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1452 WITH STATE HIGHWAY 13 AT ELWOOD, ABOUT 0.3 MILE EAST OF THE
LA1452 INTERSECTION OF STATE HIGHWAY 37, SET VERTICALLY IN THE WEST
LA1452 FACE OF THE NORTHWEST CORNER OF THE RED CORNER SCHOOL BUILDING,
LA1452 1 FOOT SOUTH OF THE NORTHWEST CORNER AND ABOUT 0.8 FOOT ABOVE
LA1452 THE GROUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1453 **********
LA1453 DESIGNATION - N 206
LA1453 PID - LA1453
LA1453 STATE/COUNTY- IN/MADISON
LA1453 USGS QUAD - ELWOOD
LA1453
LA1453 HORZ DATUM - NAD 83
LA1453 VERT DATUM - NAVD 88
LA1453
LA1453 POSITION - 40 16 38. (N) 085 48 34. (W) SCALED
LA1453 83 minus 27 - +00. -00. NADCON
LA1453
LA1453 HEIGHT - 264.204 (meters) 866.81 (feet) ADJUST
LA1453 88 minus 29 - -0.133 ADJ UNCHK
LA1453 **********
LA1453 GEOID HEIGHT- -34.22 GEOID93
LA1453 MODELED GRAV- 980,089.9 NAVD88
LA1453
LA1453 VERT ORDER - SECOND CLASS 0
LA1453
LA1453 The horizontal coordinates were scaled from a topographic map and have
LA1453 an estimated accuracy of +/- 6 seconds.
LA1453
LA1453 The orthometric height was determined by differential leveling
LA1453 and adjusted by the National Geodetic Survey in June 1991.
LA1453
LA1453 The geoid height was determined by GEOID93.
LA1453
LA1453 The modeled gravity was interpolated from observed gravity values.
LA1453
LA1453 STATION MARK IS A SURVEY DISK
LA1453 WITH SETTING: SET INTO TOP OF METAL PIPE DRIVEN INTO GROUND
LA1453 THE MARK IS STAMPED: N 206 1946
LA1453 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1453
LA1453 HISTORY - Year Condition Recov. By
LA1453 HISTORY - 1946 STATION MONUMENTED INDIANA HIGHWAY DEPARTMENT
LA1453
LA1453 STATION DESCRIPTION
LA1453
LA1453 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1453 ABOUT 1.6 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS
LA1453 INTERSECTION WITH STATE HIGHWAY 13 AT ELWOOD, AT THE INTERSECTION
LA1453 OF STATE HIGHWAY 37, 155 FEET WEST OF THE CENTER LINE OF HIGHWAY
LA1453 37, 105 FEET SOUTHEAST OF THE SOUTHEAST CORNER OF A WHITE HOUSE
LA1453 (OFFICE FOR TRAILER CAMP AND TOURIST COURT), 37 FEET NORTH OF THE
LA1453 CENTER LINE OF HIGHWAY 28, 17.5 FEET NORTHEAST OF POWER POLE
LA1453 MA 26 114, 16 FEET NORTHEAST OF A HIGHWAY R.O.W. MARKER, ABOUT
LA1453 LEVEL WITH THE INTERSECTION, AND SET IN THE TOP OF A 6 INCH IRON
LA1453 PIPE FILLED WITH CEMENT PROJECTING 10 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1455 **********
LA1455 DESIGNATION - P 206
LA1455 PID - LA1455
LA1455 STATE/COUNTY- IN/MADISON
LA1455 USGS QUAD - ELWOOD
LA1455
LA1455 HORZ DATUM - NAD 83
LA1455 VERT DATUM - NAVD 88
LA1455
LA1455 POSITION - 40 16 37. (N) 085 49 34. (W) SCALED
LA1455 83 minus 27 - +00. -00. NADCON
LA1455
LA1455 HEIGHT - 264.799 (meters) 868.76 (feet) ADJUST
LA1455 88 minus 29 - -0.134 ADJ UNCHK
LA1455 **********
LA1455 GEOID HEIGHT- -34.23 GEOID93
LA1455 MODELED GRAV- 980,089.6 NAVD88
LA1455
LA1455 VERT ORDER - SECOND CLASS 0
LA1455
LA1455 The horizontal coordinates were scaled from a topographic map and have
LA1455 an estimated accuracy of +/- 6 seconds.
LA1455
LA1455 The orthometric height was determined by differential leveling
LA1455 and adjusted by the National Geodetic Survey in June 1991.
LA1455
LA1455 The geoid height was determined by GEOID93.
LA1455
LA1455 The modeled gravity was interpolated from observed gravity values.
LA1455
LA1455 STATION MARK IS A BENCH MARK DISK
LA1455 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1455 THE MARK IS STAMPED: P 206 1946
LA1455 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1455
LA1455 HISTORY - Year Condition Recov. By
LA1455 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1455
LA1455 STATION DESCRIPTION
LA1455
LA1455 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1455 AT ELWOOD, ABOUT 0.8 MILE EAST ALONG STATE HIGHWAY 28 FROM ITS
LA1455 INTERSECTION WITH HIGHWAY 13, SET VERTICALLY IN THE EAST FACE
LA1455 OF THE CONCRETE BLOCK FOUNDATION OF THE WESLEYAN METHODIST
LA1455 CHURCH ON THE CORNER OF EAST MAIN STREET AND 27TH STREET, 1
LA1455 FOOT SOUTH OF THE NORTHEAST CORNER AND ABOUT 2 FEET ABOVE THE
LA1455 GROUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1456 **********

LA1456 DESIGNATION - Q 206
LA1456 PID - LA1456
LA1456 STATE/COUNTY- IN/MADISON
LA1456 USGS QUAD - ELWOOD
LA1456
LA1456 HORZ DATUM - NAD 83
LA1456 VERT DATUM - NAVD 88
LA1456
LA1456 POSITION - 40 16 39. (N) 085 50 27. (W) SCALED
LA1456 83 minus 27 - +00. -00. NADCON
LA1456
LA1456 HEIGHT - 263.629 (meters) 864.92 (feet) ADJUST
LA1456 88 minus 29 - -0.133 ADJ UNCHK

LA1456 **********

LA1456 GEOID HEIGHT- -34.25 GEOID93
LA1456 MODELED GRAV- 980,089.3 NAVD88
LA1456
LA1456 VERT ORDER - SECOND CLASS 0
LA1456
LA1456 The horizontal coordinates were scaled from a topographic map and have
LA1456 an estimated accuracy of +/- 6 seconds.
LA1456
LA1456 The orthometric height was determined by differential leveling
LA1456 and adjusted by the National Geodetic Survey in June 1991.
LA1456
LA1456 The geoid height was determined by GEOID93.
LA1456
LA1456 The modeled gravity was interpolated from observed gravity values.
LA1456
LA1456 STATION MARK IS A BENCH MARK DISK
LA1456 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1456 THE MARK IS STAMPED: Q 206 1946
LA1456 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1456
LA1456 HISTORY - Year Condition Recov. By
LA1456 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1456
LA1456 STATION DESCRIPTION
LA1456
LA1456 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1456 AT ELWOOD, SET VERTICALLY IN THE EAST FACE OF THE LIMESTONE
LA1456 MASONERY WALL AT THE SOUTHEAST CORNER OF THE POST OFFICE
LA1456 BUILDING, 1 FOOT NORTH OF THE SOUTHEAST CORNER AND ABOUT 3.8
LA1456 FEET ABOVE THE SIDE WALK.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1457 **********

LA1457 DESIGNATION - ELWOOD
LA1457 PID - LA1457
LA1457 STATE/COUNTY- IN/MADISON
LA1457 USGS QUAD - ELWOOD
LA1457
LA1457 HORZ DATUM - NAD 83
LA1457 VERT DATUM - NAVD 88
LA1457
LA1457 POSITION - 40 16 33.18528(N) 085 51 22.19820(W) ADJUSTED
LA1457 83 minus 27 - +00.13828 -00.07280 ADJUSTED
LA1457
LA1457 HEIGHT - 264.385 (meters) 867.40 (feet) ADJUST
LA1457 88 minus 29 - -0.132 ADJ UNCHK

LA1457 **********

LA1457 LAPLACE CORR- 1.44 DEFLEC93
LA1457 GEOID HEIGHT- -34.26 GEOID93
LA1457 MODELED GRAV- 980,089.0 NAVD88
LA1457
LA1457 HORZ ORDER - FIRST
LA1457 VERT ORDER - SECOND CLASS 0
LA1457
LA1457 The horizontal position was established by classical geodetic methods
LA1457 and adjusted by the National Geodetic Survey in July 1986.
LA1457
LA1457 The orthometric height was determined by differential leveling
LA1457 and adjusted by the National Geodetic Survey in June 1991.
LA1457
LA1457 The Laplace correction was computed from DEFLEC93 derived deflections.
LA1457
LA1457 The geoid height was determined by GEOID93.
LA1457
LA1457 The modeled gravity was interpolated from observed gravity values.
LA1457

		North	East	Scale	Converg.	
SPC IN E	-	558,167.344	83,883.751	0.99996986	-0 07 21.0	MT
UTM 16	-	4,459,006.022	597,244.317	0.99971641	+0 44 22.2	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	ELWOOD AZ MK	192 02 46.1
UTM 16	-	ELWOOD AZ MK	191 11 02.9

Pid	Reference Object	Distance	Geod. AZ
			dddmmss.s
LA2155	ELWOOD MC BETH EVANS GLASS TK	APPROX. 1.3 KM	0224912.0
LA1458	ELWOOD RM 1	47.412 METERS	08405
LA2152	ELWOOD CITY HALL DOME	APPROX. 1.4 KM	0862136.3
LA2153	ELWOOD ST JOSEPH CATH CH SPIRE	APPROX. 1.0 KM	0883225.7
	ELWOOD RM 2	54.081 METERS	16806
	ELWOOD AZ MK		1915525.1

LA1457
LA1457 STATION MARK IS A TRIANGULATION STATION DISK
LA1457 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1457 THE MARK IS STAMPED: ELWOOD 1934
LA1457 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1457 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1457

LA1457 HISTORY - Year Condition Recov. By
LA1457 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1457 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1457 HISTORY - 1948 GOOD COAST AND GEODETIC SURVEY
LA1457 HISTORY - 1976 GOOD NATIONAL GEODETIC SURVEY
LA1457 HISTORY - 1981 GOOD US ARMY CORPS OF ENGINEERS
LA1457 HISTORY - 1982 GOOD NATIONAL GEODETIC SURVEY
LA1457
LA1457 STATION DESCRIPTION
LA1457
LA1457 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA1457 IN WESTERN PART OF ELWOOD ON PROPERTY OF VAN CAMP PACKING CO., AT THE
LA1457 SOUTHEAST CORNER OF SOUTH A STREET
LA1457 AND FOURTH STREET, 0.8 MILE WEST ALONG A
LA1457 STREET FROM THE JUNCTION OF STATE
LA1457 HIGHWAYS 13 AND 28, (THE MAIN
LA1457 STREET INTERSECTION OF TOWN), 40 FEET SOUTH OF
LA1457 CENTER LINE OF
LA1457 SOUTH A STREET, 114-1/2 FEET EAST OF CENTER LINE OF FOURTH
LA1457 STREET, AND 119
LA1457 FEET NORTHWEST OF NORTH-WEST CORNER OF LOADING PLATFORM
LA1457 OF VAN CAMP PACKING CO.
LA1457 PLANT AND PROJECTS 5 INCHES.
LA1457
LA1457 SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD
LA1457 BRONZE DISKS SET IN CONCRETE.
LA1457
LA1457 REFERENCE MARK NO. 1 IS EAST OF STATION, AT SOUTH EDGE OF
LA1457 SIDEWALK, ON SOUTH
LA1457 SIDE OF SOUTH A STREET, 24 FEET SOUTH OF CENTER
LA1457 LINE OF A STREET, 75 FEET WEST OF THE
LA1457 PROLOGATION OF CENTER LINE
LA1457 OF FIFTH STREET, AND FLUSH WITH SIDEWALK. REFERENCE
LA1457 MARK NO. 2
LA1457 IS SOUTHEAST OF STATION, 2 FEET NORTH OF NORTHWEST CORNER OF WEST
LA1457 WING OF CONCRETE
LA1457 BUILDING OF VAN CAMP PACKING CO., 150 FEET EAST
LA1457 OF CENTER LINE OF FOURTH STREET,
LA1457 215 FEET SOUTH OF CENTER LINE OF
LA1457 SOUTH A STREET, AND PROJECTS 6 INCHES.
LA1457
LA1457 AZIMUTH MARK IS SOUTH-SOUTHWEST OF STATION, 55 FEET WEST OF
LA1457 CENTER LINE OF
LA1457 FOURTH STREET, 15 FEET SOUTH OF CENTER LINE OF D
LA1457 STREET, 18 FEET WEST OF POWER
LA1457 LINE POLE NO. IGS 27, 12 FEET EAST
LA1457 OF WALK LEADING TO BETHEL SMITHS HOUSE ON SOUTH
LA1457 SIDE OF D STREET,
LA1457 AND PROJECTS 8 INCHES.
LA1457
LA1457 HEIGHT OF LIGHT ABOVE STATION MARK 34 METERS.
LA1457
LA1457
LA1457 STATION RECOVERY (1946)
LA1457
LA1457 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1946
LA1457 AT ELWOOD, ABOUT 0.75 MILE WEST ALONG STATE HIGHWAY 28 FROM ITS
LA1457 INTERSECTION WITH STATE HIGHWAY 13, THENCE 1 BLOCK SOUTH ALONG
LA1457 4TH STREET, AT THE JUNCTION OF A STREET, 89 FEET NORTHWEST OF
LA1457 THE NORTHWEST CORNER OF THE LOADING PLATFORM OF THE STOKELY

LA1457 FOOD, INC. PLANT NO. 31, 51 FEET SOUTHEAST OF A TELEPHONE POLE,
LA1457 114 FEET EAST OF THE PROLONGED CENTER LINE OF 4TH STREET, 40
LA1457 FEET SOUTH OF THE CENTER LINE OF A STREET, ABOUT 1 FOOT ABOVE
LA1457 THE STREET, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6
LA1457 INCHES.
LA1457
LA1457 STATION RECOVERY (1948)
LA1457
LA1457 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (JMN)
LA1457 STATION RECOVERED. IT IS 89.3 FEET NW OF THE NW CORNER OF THE
LA1457 LOADING PLATFORM. R.M. 2 WAS NOT FOUND, THE
LA1457 BUILDING HAS BEEN EXTENDED AND THE LOADING PLATFORM ENLARGED.
LA1457 THE PLATFORM WAS
LA1457 COVERED WITH TOMATOES AND A GOOD SEARCH COULD
LA1457 NOT BE MADE FOR THE REFERENCE MARK.
LA1457
LA1457
LA1457 STATION RECOVERY (1976)
LA1457
LA1457 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1976 (CLN)
LA1457 STATION MARK, REFERENCE MARK 1 AND THE AZIMUTH MARK WERE FOUND AS
LA1457 DESCRIBED. AFTER A LONG SEARCH AND QUESTIONING LOCAL RESIDENTS
LA1457 REFERENCE MARK 2 WAS FOUND INSIDE OF THE PACKING PLANT WITH THE
LA1457 BUILDING ADDITION AND FLOOR BUILT AROUND THE MARK, HOWEVER THE
LA1457 MARK IS NOT VISIBLE TO THE STATION AND REFERENCE MARK 3 WAS
LA1457 ESTABLISHED. THE PACKING PLANT IS ON LINE TO THE AZIMUTH
LA1457 MARK WHICH WILL BE DESTROYED BY SEWER AND WATER SERVICE LINE. AS
LA1457 THE AZIMUTH CARRIES AN ELEVATION A BENCH MARK WAS SET AND THE
LA1457 ELEVATION TRANSFERED. AT THIS TIME THERE WAS NO OBJECT
LA1457 VISIBLE TO RELOCATE ANOTHER AZIMUTH MARK.
LA1457
LA1457 THE ORIGINAL DESCRIPTION AND TO REACH IS ADEQUATE.
LA1457
LA1457 REFERENCE MARK 3 IS 13 FEET EAST OF A POWER POLE, 17 FEET SOUTH OF
LA1457 THE CENTERLINE OF A STREET AND 5 FEET NORTH OF THE NORTH EDGE OF THE
LA1457 SIDEWALK. THE MARK IS A STANDARD REFERENCE MARK DISK CEMENTED IN A
LA1457 DRILL HOLE IN THE SOUTH CURBING OF A STREET. THE DISK IS STAMPED
LA1457 ELWOOD 1934 NO 3 1976.
LA1457
LA1457 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN--AT THE WEST EDGE
LA1457 OF ELWOOD.
LA1457
LA1457
LA1457 STATION RECOVERY (1981)
LA1457
LA1457 RECOVERY NOTE BY US ARMY CORPS OF ENGINEERS 1981 (MKF)
LA1457 ELWOOD 1934 RECOVERED GOOD.
LA1457
LA1457 RECOVERED USING 1934 DESCRIPTION.
LA1457 WITNESS POST NOT SET MOWED AREA.
LA1457 AZIMUTH MARK BLOCKED BY BLDG.
LA1457 AZIMUTH MK REC., LEANING AND LOOSE IN GROUND.
LA1457
LA1457
LA1457 STATION RECOVERY (1982)
LA1457
LA1457 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1982
LA1457 THE PLANT IS NOW OWNED BY THE LAFAYETTE MFG COMPANY INSTEAD OF THE
LA1457 STROKELY FOOD INC PLANT NO 31 AS DESCRIBED IN 1934.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1458 **********
LA1458 DESIGNATION - ELWOOD RM 1
LA1458 PID - LA1458
LA1458 STATE/COUNTY- IN/MADISON
LA1458 USGS QUAD - ELWOOD
LA1458
LA1458 HORZ DATUM - NAD 83
LA1458 VERT DATUM - NAVD 88
LA1458
LA1458 POSITION - 40 16 33. (N) 085 51 21. (W) SCALED
LA1458 83 minus 27 - +00. -00. NADCON
LA1458
LA1458 HEIGHT - 264.046 (meters) 866.29 (feet) ADJUST
LA1458 88 minus 29 - -0.132 ADJ UNCHK
LA1458 **********
LA1458 GEOID HEIGHT- -34.26 GEOID93
LA1458 MODELED GRAV- 980,089.0 NAVD88
LA1458
LA1458 VERT ORDER - SECOND CLASS 0
LA1458
LA1458 The horizontal coordinates were scaled from a topographic map and have
LA1458 an estimated accuracy of +/- 6 seconds.
LA1458
LA1458 The orthometric height was determined by differential leveling
LA1458 and adjusted by the National Geodetic Survey in June 1991.
LA1458
LA1458 The geoid height was determined by GEOID93.
LA1458
LA1458 The modeled gravity was interpolated from observed gravity values.
LA1458
LA1458 STATION MARK IS A REFERENCE MARK DISK
LA1458 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1458 THE MARK IS STAMPED: ELWOOD NO 1 1934
LA1458 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1458 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1458
LA1458 HISTORY - Year Condition Recov. By
LA1458 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1458 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1458
LA1458 STATION DESCRIPTION
LA1458
LA1458 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1458 AT ELWOOD, ABOUT 0.7 MILE WEST ALONG STATE HIGHWAY 28 FROM THE
LA1458 INTERSECTION OF STATE HIGHWAY 13 AT ELWOOD, THENCE ONE BLOCK
LA1458 SOUTH ALONG 5TH STREET, 133 FEET NORTHEAST OF THE NORTHEAST
LA1458 CORNER OF THE LOADING PLATFORM OF THE STOKLEY FOODS, INC. PLANT
LA1458 NO. 31, 154 FEET EAST OF STATION ELWOOD, 79 FEET WEST OF THE
LA1458 PROLONGED CENTER LINE OF 5TH STREET, 24 FEET SOUTH OF THE CENTER
LA1458 LINE OF A STREET, 6 INCHES SOUTH OF THE SOUTH EDGE OF THE SIDE
LA1458 WALK, LEVEL WITH THE SIDE WALK, AND SET IN THE TOP OF A CONCRETE
LA1458 POST PROJECTING 2 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1459 ***
LA1459 DESIGNATION - ELWOOD AZ
LA1459 PID   - LA1459
LA1459 STATE/COUNTY- IN/MADISON
LA1459 USGS QUAD   - ELWOOD
LA1459
LA1459 HORZ DATUM - NAD 83
LA1459 VERT DATUM - NAVD 88
LA1459
LA1459 POSITION   - 40 16 25.   (N)   085 51 23.   (W)   SCALED
LA1459 83 minus 27 -   +00.   -00.   NADCON
LA1459
LA1459 HEIGHT   -   262.943 (meters)   862.67   (feet) ADJUST
LA1459 88 minus 29 -   -0.132   ADJ UNCHK
LA1459 ***
LA1459 GEOID HEIGHT-   -34.26   GEOID93
LA1459 MODELED GRAV-   980,088.8   NAVD88
LA1459
LA1459 VERT ORDER - SECOND   CLASS 0
LA1459
LA1459 The horizontal coordinates were scaled from a topographic map and have
LA1459 an estimated accuracy of +/- 6 seconds.
LA1459
LA1459 The orthometric height was determined by differential leveling
LA1459 and adjusted by the National Geodetic Survey in June 1991.
LA1459
LA1459 The geoid height was determined by GEOID93.
LA1459
LA1459 The modeled gravity was interpolated from observed gravity values.
LA1459
LA1459 STATION MARK IS A REFERENCE MARK DISK
LA1459 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1459 THE MARK IS STAMPED: ELWOOD AZIMUTH 1934
LA1459 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1459 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1459
LA1459 HISTORY   - Year Condition   Recov. By
LA1459 HISTORY   - 1934 STATION MONUMENTED   COAST AND GEODETIC SURVEY
LA1459 HISTORY   - 1946 GOOD   NATIONAL GEODETIC SURVEY
LA1459 HISTORY   - 1982 GOOD   NATIONAL GEODETIC SURVEY
LA1459
LA1459   STATION DESCRIPTION
LA1459
LA1459 DESCRIBED BY NATIONAL GEODETIC SURVEY 1946
LA1459 AT ELWOOD, ABOUT 0.8 MILE WEST ALONG STATE HIGHWAY 28 FROM ITS
LA1459 INTERSECTION WITH STATE HIGHWAY 13 AT ELWOOD, THENCE ABOUT 0.25
LA1459 MILE SOUTH ALONG 3RD STREET TO ITS JUNCTION WITH D STREET, ABOUT
LA1459 95 YARDS EAST OF THE CENTER LINE OF 3RD STREET, SET ON THE LAWN
LA1459 OF THE HOUSE AT 327 D STREET, 64.3 FEET NORTHEAST OF THE
LA1459 NORTHWEST CORNER OF THE HOUSE, 47.4 FEET NORTHWEST OF A 32 INCH
LA1459 ASH TREE, 51 FEET NORTH-NORTHEAST OF THE NORTHEAST CORNER OF THE
LA1459 HOUSE, 38.2 FEET NORTHEAST OF A 32 INCH ASH TREE, ABOUT LEVEL
LA1459 WITH THE STREET, AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1459 3 INCHES. NOTE-- D STREET IS THE FIRST STREET SOUTH OF THE NEW
LA1459 YORK, CHICAGO AND ST. LOUIS RAILROAD.
LA1459
LA1459   STATION RECOVERY (1982)
LA1459
LA1459 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1982

LA1459 RECOVERED IN GOOD CONDITION.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1477 **********

LA1477 DESIGNATION - U 193
LA1477 PID - LA1477
LA1477 STATE/COUNTY- IN/MADISON
LA1477 USGS QUAD - ANDERSON NORTH
LA1477
LA1477 HORZ DATUM - NAD 83
LA1477 VERT DATUM - NAVD 88
LA1477
LA1477 POSITION - 40 11 38. (N) 085 41 25. (W) SCALED
LA1477 83 minus 27 - +00. -00. NADCON
LA1477
LA1477 HEIGHT - 270.379 (meters) 887.07 (feet) ADJUST
LA1477 88 minus 29 - -0.142 ADJ UNCHK

LA1477 **********

LA1477 GEOID HEIGHT- -34.09 GEOID93
LA1477 MODELED GRAV- 980,086.3 NAVD88
LA1477
LA1477 VERT ORDER - SECOND CLASS 0
LA1477
LA1477 The horizontal coordinates were scaled from a topographic map and have
LA1477 an estimated accuracy of +/- 6 seconds.
LA1477
LA1477 The orthometric height was determined by differential leveling
LA1477 and adjusted by the National Geodetic Survey in June 1991.
LA1477
LA1477 The geoid height was determined by GEOID93.
LA1477
LA1477 The modeled gravity was interpolated from observed gravity values.
LA1477
LA1477 STATION MARK IS A BENCH MARK DISK
LA1477 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1477 THE MARK IS STAMPED: U 193 1946
LA1477 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1477 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1477
LA1477 HISTORY - Year Condition Recov. By
LA1477 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1477 HISTORY - 1958 UNKNOWN - MARK NOT F NATIONAL GEODETIC SURVEY
LA1477
LA1477 STATION DESCRIPTION
LA1477
LA1477 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1477 ABOUT 0.3 MILE WEST ALONG A COUNTY ROAD FROM THE DISTRICT 11,
LA1477 LA FAYETTE TOWNSHIP SCHOOL AT LINWOOD, SET IN THE NORTHWEST ANGLE
LA1477 OF THE INTERSECTION OF A GRAVEL CROSS ROAD, 32 FEET NORTH OF THE
LA1477 CENTER LINE OF THE EAST-WEST ROAD, 15 FEET WEST OF THE CENTER
LA1477 LINE OF THE NORTH-SOUTH ROAD, 11.5 FEET NORTH OF A FENCE CORNER,
LA1477 0.8 FOOT EAST OF THE FENCE LINE, ABOUT 1 FOOT BELOW THE ROADS,
LA1477 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.
LA1477 NOTE-- THE NORTH-SOUTH COUNTY ROAD HAS BEEN REBUILT AND THE
LA1477 REFERENCE DISTANCES NOW FALL WITHIN THE ROADWAY.
LA1477
LA1477 STATION RECOVERY (1958)
LA1477
LA1477 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1958
LA1477 MARK NOT FOUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1478 **********

LA1478 DESIGNATION - V 193
LA1478 PID - LA1478
LA1478 STATE/COUNTY- IN/MADISON
LA1478 USGS QUAD - ANDERSON NORTH
LA1478
LA1478 HORZ DATUM - NAD 83
LA1478 VERT DATUM - NAVD 88
LA1478
LA1478 POSITION - 40 11 36. (N) 085 42 33. (W) SCALED
LA1478 83 minus 27 - +00. -00. NADCON
LA1478
LA1478 HEIGHT - 268.716 (meters) 881.61 (feet) ADJUST
LA1478 88 minus 29 - -0.140 ADJ UNCHK

LA1478 **********

LA1478 GEOID HEIGHT- -34.10 GEOID93
LA1478 MODELED GRAV- 980,085.1 NAVD88
LA1478
LA1478 VERT ORDER - SECOND CLASS 0
LA1478
LA1478 The horizontal coordinates were scaled from a topographic map and have
LA1478 an estimated accuracy of +/- 6 seconds.
LA1478
LA1478 The orthometric height was determined by differential leveling
LA1478 and adjusted by the National Geodetic Survey in June 1991.
LA1478
LA1478 The geoid height was determined by GEOID93.
LA1478
LA1478 The modeled gravity was interpolated from observed gravity values.
LA1478
LA1478 STATION MARK IS A BENCH MARK DISK
LA1478 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1478 THE MARK IS STAMPED: V 193 1946
LA1478 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1478 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1478
LA1478 HISTORY - Year Condition Recov. By
LA1478 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1478

STATION DESCRIPTION

LA1478
LA1478 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1478 ABOUT 1.35 MILES WEST ALONG A COUNTY ROAD FROM DISTRICT 11
LA1478 LA FAYETTE TOWNSHIP SCHOOL AT LINWOOD, AT A NORTH-SOUTH GRAVEL
LA1478 CROSS ROAD, 33 FEET SOUTH OF THE CENTER LINE OF THE EAST-WEST
LA1478 ROAD, 15 FEET WEST OF THE CENTER LINE OF THE NORTH-SOUTH ROAD,
LA1478 9 FEET SOUTH OF A FENCE CORNER, 1 FOOT EAST OF THE FENCE LINE,
LA1478 3 FEET SOUTH OF POWER POLE NO. MA 53 52 WITH A TRANSFORMER,
LA1478 ABOUT LEVEL WITH THE ROADS, AND SET IN THE TOP OF A CONCRETE
LA1478 POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1480 **********

LA1480 DESIGNATION - X 193
LA1480 PID - LA1480
LA1480 STATE/COUNTY- IN/MADISON
LA1480 USGS QUAD - ANDERSON NORTH
LA1480
LA1480 HORZ DATUM - NAD 83
LA1480 VERT DATUM - NAVD 88
LA1480
LA1480 POSITION - 40 11 37. (N) 085 44 49. (W) SCALED
LA1480 83 minus 27 - +00. -00. NADCON
LA1480
LA1480 HEIGHT - 267.808 (meters) 878.63 (feet) ADJUST
LA1480 88 minus 29 - -0.14 UNADJ DIF

LA1480 **********

LA1480 GEOID HEIGHT- -34.14 GEOID93
LA1480 MODELED GRAV- 980,083.7 NAVD88
LA1480
LA1480 VERT ORDER - SECOND CLASS 0
LA1480
LA1480 The horizontal coordinates were scaled from a topographic map and have
LA1480 an estimated accuracy of +/- 6 seconds.
LA1480
LA1480 The orthometric height was determined by differential leveling
LA1480 and adjusted by the National Geodetic Survey in June 1991.
LA1480
LA1480 The geoid height was determined by GEOID93.
LA1480
LA1480 The modeled gravity was interpolated from observed gravity values.
LA1480
LA1480 STATION MARK IS A BENCH MARK DISK
LA1480 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1480 THE MARK IS STAMPED: X 193 1946
LA1480 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1480 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1480
LA1480 HISTORY - Year Condition Recov. By
LA1480 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1480

STATION DESCRIPTION

LA1480
LA1480 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1480 ABOUT 3.4 MILES WEST ALONG A COUNTY ROAD FROM THE DISTRICT 11
LA1480 LA FAYETTE TOWNSHIP SCHOOL AT LINWOOD, SET IN THE NORTHEAST ANGLE
LA1480 OF A NORTH-SOUTH GRAVEL CROSS ROAD, AND AT THE CROSSING OF THE
LA1480 PENNSYLVANIA RAILROAD, 62 FEET SOUTHWEST OF THE SOUTHWEST RAIL
LA1480 OF THE PENNSYLVANIA RAILROAD, 30 FEET EAST OF THE CENTER LINE OF
LA1480 THE NORTH-SOUTH ROAD, 19 FEET NORTH OF THE CENTER LINE OF THE
LA1480 EAST-WEST ROAD, 33 FEET SOUTHEAST OF POWER POLE MA 53 122, ABOUT
LA1480 LEVEL WITH THE ROADS, AND SET IN THE TOP OF A CONCRETE POST
LA1480 PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1481 **********

LA1481 DESIGNATION - Y 193
LA1481 PID - LA1481
LA1481 STATE/COUNTY- IN/MADISON
LA1481 USGS QUAD - FRANKTON
LA1481
LA1481 HORZ DATUM - NAD 83
LA1481 VERT DATUM - NAVD 88
LA1481
LA1481 POSITION - 40 11 36. (N) 085 45 56. (W) SCALED
LA1481 83 minus 27 - +00. -00. NADCON
LA1481
LA1481 HEIGHT - 263.347 (meters) 864.00 (feet) ADJUST
LA1481 88 minus 29 - -0.13 UNADJ DIF

LA1481 **********

LA1481 GEOID HEIGHT- -34.15 GEOID93
LA1481 MODELED GRAV- 980,083.5 NAVD88
LA1481
LA1481 VERT ORDER - SECOND CLASS 0
LA1481
LA1481 The horizontal coordinates were scaled from a topographic map and have
LA1481 an estimated accuracy of +/- 6 seconds.
LA1481
LA1481 The orthometric height was determined by differential leveling
LA1481 and adjusted by the National Geodetic Survey in June 1991.
LA1481
LA1481 The geoid height was determined by GEOID93.
LA1481
LA1481 The modeled gravity was interpolated from observed gravity values.
LA1481
LA1481 STATION MARK IS A BENCH MARK DISK
LA1481 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1481 THE MARK IS STAMPED: Y 193 1946
LA1481 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1481 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1481
LA1481 HISTORY - Year Condition Recov. By
LA1481 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1481 HISTORY - 1962 UNKNOWN - MARK NOT F US GEOLOGICAL SURVEY
LA1481
LA1481 STATION DESCRIPTION
LA1481
LA1481 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1481 ABOUT 4.4 MILES WEST ALONG A COUNTY ROAD FROM DISTRICT 11
LA1481 LA FAYETTE TOWNSHIP SCHOOL AT LINWOOD, AT A NORTH-SOUTH PAVED
LA1481 ROAD CROSSING, 22 FEET SOUTH OF THE CENTER LINE OF THE GRAVEL
LA1481 ROAD, 24 FEET EAST OF THE PAVED ROAD, 7.5 FEET SOUTH OF A
LA1481 TELEPHONE POLE, NEAR THE NORTHWEST CORNER OF A CULTIVATED FIELD,
LA1481 ABOUT 1 FOOT BELOW THE ROADS, AND SET IN THE TOP OF A CONCRETE
LA1481 POST PROJECTING 6 INCHES.
LA1481
LA1481 STATION RECOVERY (1962)
LA1481
LA1481 RECOVERY NOTE BY US GEOLOGICAL SURVEY 1962
LA1481 MARK NOT FOUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1482 **********

LA1482 DESIGNATION - Z 193
LA1482 PID - LA1482
LA1482 STATE/COUNTY- IN/MADISON
LA1482 USGS QUAD - FRANKTON
LA1482
LA1482 HORZ DATUM - NAD 83
LA1482 VERT DATUM - NAVD 88
LA1482
LA1482 POSITION - 40 10 42. (N) 085 45 58. (W) SCALED
LA1482 83 minus 27 - +00. -00. NADCON
LA1482
LA1482 HEIGHT - 265.091 (meters) 869.72 (feet) ADJUST
LA1482 88 minus 29 - -0.14 UNADJ DIF

LA1482 **********

LA1482 GEOID HEIGHT- -34.14 GEOID93
LA1482 MODELED GRAV- 980,081.7 NAVD88
LA1482
LA1482 VERT ORDER - SECOND CLASS 0
LA1482
LA1482 The horizontal coordinates were scaled from a topographic map and have
LA1482 an estimated accuracy of +/- 6 seconds.
LA1482
LA1482 The orthometric height was determined by differential leveling
LA1482 and adjusted by the National Geodetic Survey in June 1991.
LA1482
LA1482 The geoid height was determined by GEOID93.
LA1482
LA1482 The modeled gravity was interpolated from observed gravity values.
LA1482
LA1482 STATION MARK IS A BENCH MARK DISK
LA1482 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1482 THE MARK IS STAMPED: Z 193 1946
LA1482 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1482 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1482
LA1482 HISTORY - Year Condition Recov. By
LA1482 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1482

STATION DESCRIPTION

LA1482
LA1482 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1482 ABOUT 4.4 MILES WEST ALONG A COUNTY ROAD FROM THE DISTRICT 11
LA1482 LA FAYETTE TOWNSHIP SCHOOL AT LINWOOD, THENCE ABOUT 1.05 MILES
LA1482 SOUTH ALONG A PAVED COUNTY ROAD, SET IN THE SOUTHWEST QUARTER
LA1482 OF A GRAVEL ROAD CROSSING, 25 FEET WEST OF THE CENTER LINE OF THE
LA1482 PAVED ROAD, 21 FEET SOUTH OF THE CENTER LINE OF THE GRAVEL ROAD,
LA1482 6 FEET SOUTH OF A FENCE CORNER, 1 FOOT EAST OF THE FENCE LINE,
LA1482 ABOUT LEVEL WITH THE INTERSECTION, AND SET IN THE TOP OF A CONCRETE
LA1482 POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1483 **********

LA1483 DESIGNATION - A 194
LA1483 PID - LA1483
LA1483 STATE/COUNTY- IN/MADISON
LA1483 USGS QUAD - FRANKTON
LA1483
LA1483 HORZ DATUM - NAD 83
LA1483 VERT DATUM - NAVD 88
LA1483
LA1483 POSITION - 40 10 42. (N) 085 47 08. (W) SCALED
LA1483 83 minus 27 - +00. -00. NADCON
LA1483
LA1483 HEIGHT - 261.093 (meters) 856.60 (feet) ADJUST
LA1483 88 minus 29 - -0.14 UNADJ DIF

LA1483 **********

LA1483 GEOID HEIGHT- -34.16 GEOID93
LA1483 MODELED GRAV- 980,082.0 NAVD88
LA1483
LA1483 VERT ORDER - SECOND CLASS 0
LA1483
LA1483 The horizontal coordinates were scaled from a topographic map and have
LA1483 an estimated accuracy of +/- 6 seconds.
LA1483
LA1483 The orthometric height was determined by differential leveling
LA1483 and adjusted by the National Geodetic Survey in June 1991.
LA1483
LA1483 The geoid height was determined by GEOID93.
LA1483
LA1483 The modeled gravity was interpolated from observed gravity values.
LA1483
LA1483 STATION MARK IS A BENCH MARK DISK
LA1483 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1483 THE MARK IS STAMPED: A 194 1946
LA1483 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1483 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1483
LA1483 HISTORY - Year Condition Recov. By
LA1483 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1483

STATION DESCRIPTION

LA1483
LA1483 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1483 ABOUT 4.4 MILES WEST ALONG A COUNTY ROAD FROM DISTRICT 11
LA1483 LA FAYETTE TOWNSHIP SCHOOL AT LINWOOD, THENCE ABOUT 1.05 MILES
LA1483 SOUTH ALONG A COUNTY PAVED ROAD, THENCE ABOUT 1.1 MILES WEST ALONG
LA1483 A GRAVEL ROAD, AT A CORRECTION JOG IN THE EAST-WEST SECTION LINE
LA1483 ROAD, SET IN THE SOUTHWEST ANGLE OF A NORTH-SOUTH GRAVEL ROAD AND
LA1483 THE WEST TANGENT OF THE SECTION LINE ROAD, ABOUT 200 FEET
LA1483 SOUTH OF THE CENTER LINE OF THE EAST TANGENT OF THE SECTION
LA1483 LINE ROAD, 17 FEET WEST OF THE CENTER LINE OF THE NORTH-SOUTH
LA1483 ROAD, 26 FEET SOUTH OF THE CENTER LINE OF THE WEST TANGENT OF
LA1483 THE ROAD, 9.3 FEET SOUTH OF A FENCE CORNER, 1 FOOT EAST OF THE
LA1483 FENCE LINE, 8.2 FEET SOUTH OF POWER POLE MA 595, ABOUT LEVEL
LA1483 WITH THE ROADS, AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1483 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1484 **********

LA1484 DESIGNATION - B 194
LA1484 PID - LA1484
LA1484 STATE/COUNTY- IN/MADISON
LA1484 USGS QUAD - FRANKTON
LA1484
LA1484 HORZ DATUM - NAD 83
LA1484 VERT DATUM - NAVD 88
LA1484
LA1484 POSITION - 40 10 41. (N) 085 48 17. (W) SCALED
LA1484 83 minus 27 - +00. -00. NADCON
LA1484
LA1484 HEIGHT - 255.045 (meters) 836.76 (feet) ADJUST
LA1484 88 minus 29 - -0.136 ADJ UNCHK

LA1484 **********

LA1484 GEOID HEIGHT- -34.17 GEOID93
LA1484 MODELED GRAV- 980,082.5 NAVD88
LA1484
LA1484 VERT ORDER - SECOND CLASS 0
LA1484
LA1484 The horizontal coordinates were scaled from a topographic map and have
LA1484 an estimated accuracy of +/- 6 seconds.
LA1484
LA1484 The orthometric height was determined by differential leveling
LA1484 and adjusted by the National Geodetic Survey in June 1991.
LA1484
LA1484 The geoid height was determined by GEOID93.
LA1484
LA1484 The modeled gravity was interpolated from observed gravity values.
LA1484
LA1484 STATION MARK IS A BENCH MARK DISK
LA1484 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1484 THE MARK IS STAMPED: B 194 1946
LA1484 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1484
LA1484 HISTORY - Year Condition Recov. By
LA1484 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1484

STATION DESCRIPTION

LA1484
LA1484 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1484 ABOUT 4.4 MILES WEST ALONG A COUNTY ROAD FROM DISTRICT 11
LA1484 LA FAYETTE TOWNSHIP SCHOOL AT LINWOOD, THENCE ABOUT 1.05 MILES
LA1484 SOUTH ALONG A PAVED COUNTY ROAD, THENCE ABOUT 2.1 MILES WEST
LA1484 ALONG A GRAVEL ROAD, AT A NORTH-SOUTH GRAVEL CROSS ROAD, SET
LA1484 IN THE TOP OF THE EAST END OF THE NORTHWEST WING WALL OF A
LA1484 20 FOOT CONCRETE BRIDGE ON THE CROSS ROAD, 23 FEET SOUTH OF THE
LA1484 EAST-WEST ROAD, 8.5 FEET WEST OF THE CENTER LINE OF THE
LA1484 NORTH-SOUTH ROAD, ABOUT LEVEL WITH THE INTERSECTION.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1485 **********

LA1485 DESIGNATION - C 194
LA1485 PID - LA1485
LA1485 STATE/COUNTY- IN/MADISON
LA1485 USGS QUAD - FRANKTON
LA1485
LA1485 HORZ DATUM - NAD 83
LA1485 VERT DATUM - NAVD 88
LA1485
LA1485 POSITION - 40 10 41. (N) 085 49 16. (W) SCALED
LA1485 83 minus 27 - +00. -00. NADCON
LA1485
LA1485 HEIGHT - 246.789 (meters) 809.67 (feet) ADJUST
LA1485 88 minus 29 - -0.135 ADJ UNCHK
LA1485 **********
LA1485 GEOID HEIGHT- -34.18 GEOID93
LA1485 MODELED GRAV- 980,082.9 NAVD88
LA1485
LA1485 VERT ORDER - SECOND CLASS 0
LA1485
LA1485 The horizontal coordinates were scaled from a topographic map and have
LA1485 an estimated accuracy of +/- 6 seconds.
LA1485
LA1485 The orthometric height was determined by differential leveling
LA1485 and adjusted by the National Geodetic Survey in June 1991.
LA1485
LA1485 The geoid height was determined by GEOID93.
LA1485
LA1485 The modeled gravity was interpolated from observed gravity values.
LA1485
LA1485 STATION MARK IS A BENCH MARK DISK
LA1485 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1485 THE MARK IS STAMPED: C 194 1946
LA1485 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1485
LA1485 HISTORY - Year Condition Recov. By
LA1485 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1485

STATION DESCRIPTION

LA1485
LA1485 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1485 ABOUT 4.4 MILES WEST ALONG A COUNTY ROAD FROM THE DISTRICT 11,
LA1485 LA FAYETTE TOWNSHIP SCHOOL AT LINWOOD, THENCE ABOUT 1.05 MILES
LA1485 SOUTH ALONG A PAVED COUNTY ROAD, THENCE ABOUT 3.0 MILES WEST
LA1485 ALONG A GRAVEL ROAD, SET IN THE TOP OF THE SOUTHEAST END OF THE
LA1485 NORTHWEST WING WALL OF A 150 FEET CONCRETE DECK STEEL BRIDGE
LA1485 OVER PIPE CREEK, 12 FEET NORTH OF AND ABOUT LEVEL WITH THE
LA1485 CENTER LINE OF THE ROAD.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1486 **********

LA1486 DESIGNATION - D 194
LA1486 PID - LA1486
LA1486 STATE/COUNTY- IN/MADISON
LA1486 USGS QUAD - FRANKTON
LA1486
LA1486 HORZ DATUM - NAD 83
LA1486 VERT DATUM - NAVD 88
LA1486
LA1486 POSITION - 40 10 40. (N) 085 50 37. (W) SCALED
LA1486 83 minus 27 - +00. -00. NADCON
LA1486
LA1486 HEIGHT - 254.730 (meters) 835.73 (feet) ADJUST
LA1486 88 minus 29 - -0.134 ADJ UNCHK

LA1486 **********

LA1486 GEOID HEIGHT- -34.19 GEOID93
LA1486 MODELED GRAV- 980,083.4 NAVD88
LA1486
LA1486 VERT ORDER - SECOND CLASS 0
LA1486
LA1486 The horizontal coordinates were scaled from a topographic map and have
LA1486 an estimated accuracy of +/- 6 seconds.
LA1486
LA1486 The orthometric height was determined by differential leveling
LA1486 and adjusted by the National Geodetic Survey in June 1991.
LA1486
LA1486 The geoid height was determined by GEOID93.
LA1486
LA1486 The modeled gravity was interpolated from observed gravity values.
LA1486
LA1486 STATION MARK IS A BENCH MARK DISK
LA1486 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1486 THE MARK IS STAMPED: D 194 1946
LA1486 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1486 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1486
LA1486 HISTORY - Year Condition Recov. By
LA1486 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1486

STATION DESCRIPTION

LA1486
LA1486 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1486 ABOUT 4.4 MILES WEST ALONG A COUNTY ROAD FROM DISTRICT 11
LA1486 LA FAYETTE TOWNSHIP SCHOOL AT LINWOOD, THENCE ABOUT 1.05 MILES
LA1486 SOUTH ALONG A PAVED COUNTY ROAD, THENCE ABOUT 4.2 MILES WEST
LA1486 ALONG A GRAVEL ROAD, ABOUT 1.2 MILES WEST OF THE BRIDGE OVER
LA1486 PIPE CREEK, SET IN THE SOUTHWEST ANGLE OF THE INTERSECTION OF
LA1486 A NORTH-SOUTH GRAVEL ROAD, 27 FEET SOUTH OF THE CENTER LINE OF
LA1486 THE EAST-WEST ROAD, 17 FEET WEST OF THE CENTER LINE OF THE
LA1486 NORTH-SOUTH ROAD, 9 FEET SOUTH OF A FENCE CORNER, 1 FOOT EAST
LA1486 OF THE FENCE LINE, ABOUT LEVEL WITH THE ROADS, AND SET IN THE
LA1486 TP OF A CONCRETE POST PROJECTING 5 INCHES. NOTE-- MARK MAY BE
LA1486 REACHED BY GOING ABOUT 2.5 MILES NORTH ALONG STATE HIGHWAY 13
LA1486 FROM THE CONCRETE BRIDGE OVER WEST FORK WHITE RIVER AT
LA1486 PERKINSVILLE, THENCE ABOUT 1.0 MILE EAST ALONG A GRAVEL ROAD.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1504 **********

LA1504 DESIGNATION - X 218
LA1504 PID - LA1504
LA1504 STATE/COUNTY- IN/MADISON
LA1504 USGS QUAD - ANDERSON NORTH
LA1504
LA1504 HORZ DATUM - NAD 83
LA1504 VERT DATUM - NAVD 88
LA1504
LA1504 POSITION - 40 11 35. (N) 085 40 11. (W) SCALED
LA1504 83 minus 27 - +00. -00. NADCON
LA1504
LA1504 HEIGHT - 264.667 (meters) 868.33 (feet) ADJUST
LA1504 88 minus 29 - -0.142 ADJ UNCHK

LA1504 **********

LA1504 GEOID HEIGHT- -34.07 GEOID93
LA1504 MODELED GRAV- 980,087.5 NAVD88
LA1504
LA1504 VERT ORDER - SECOND CLASS 0
LA1504
LA1504 The horizontal coordinates were scaled from a topographic map and have
LA1504 an estimated accuracy of +/- 6 seconds.
LA1504
LA1504 The orthometric height was determined by differential leveling
LA1504 and adjusted by the National Geodetic Survey in June 1991.
LA1504
LA1504 The geoid height was determined by GEOID93.
LA1504
LA1504 The modeled gravity was interpolated from observed gravity values.
LA1504
LA1504 STATION MARK IS A BENCH MARK DISK
LA1504 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1504 THE MARK IS STAMPED: X 218 1947
LA1504 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1504 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1504
LA1504 HISTORY - Year Condition Recov. By
LA1504 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1504

STATION DESCRIPTION

LA1504
LA1504 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1504 ABOUT 0.55 MILE EAST ALONG A COUNTY ROAD FROM THE GRAIN ELEVATOR
LA1504 AT LINWOOD, SET IN THE SOUTHWEST ANGLE OF THE INTERSECTION OF
LA1504 STATE HIGHWAY 9, 75.5 FEET WEST OF THE CENTER LINE OF THE
LA1504 HIGHWAY, 30 FEET SOUTH OF THE CENTER LINE OF THE COUNTY ROAD,
LA1504 4.0 FEET EAST OF POWER POLE NO. IGS/MA 54145, 15.5 FEET SOUTHWEST
LA1504 OF THE WEST END OF THE SOUTH CONCRETE HEAD WALL OF A 15-INCH
LA1504 PIPE CULVERT UNDER THE COUNTY ROAD, 1 FOOT NORTH OF A WHITE
LA1504 WOODEN WITNESS POST, 1.5 FEET BELOW THE ROAD AND SET IN THE
LA1504 TOP OF A CONCRETE POST PROJECTING 4 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1505 **********

LA1505 DESIGNATION - Y 218
LA1505 PID - LA1505
LA1505 STATE/COUNTY- IN/MADISON
LA1505 USGS QUAD - ANDERSON NORTH
LA1505
LA1505 HORZ DATUM - NAD 83
LA1505 VERT DATUM - NAVD 88
LA1505
LA1505 POSITION - 40 11 37. (N) 085 39 12. (W) SCALED
LA1505 83 minus 27 - +00. -00. NADCON
LA1505
LA1505 HEIGHT - 263.858 (meters) 865.67 (feet) ADJUST
LA1505 88 minus 29 - -0.142 ADJ UNCHK

LA1505 **********

LA1505 GEOID HEIGHT- -34.06 GEOID93
LA1505 MODELED GRAV- 980,088.4 NAVD88
LA1505
LA1505 VERT ORDER - SECOND CLASS 0
LA1505
LA1505 The horizontal coordinates were scaled from a topographic map and have
LA1505 an estimated accuracy of +/- 6 seconds.
LA1505
LA1505 The orthometric height was determined by differential leveling
LA1505 and adjusted by the National Geodetic Survey in June 1991.
LA1505
LA1505 The geoid height was determined by GEOID93.
LA1505
LA1505 The modeled gravity was interpolated from observed gravity values.
LA1505
LA1505 STATION MARK IS A BENCH MARK DISK
LA1505 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1505 THE MARK IS STAMPED: Y 218 1947
LA1505 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1505
LA1505 HISTORY - Year Condition Recov. By
LA1505 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1505
LA1505 STATION DESCRIPTION
LA1505
LA1505 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1505 ABOUT 1.45 MILES EAST ALONG A COUNTY ROAD TO MOONVILLE FROM THE
LA1505 GRAIN ELEVATOR AT LINWOOD, ABOUT 0.1 MILE WEST OF THE JUNCTION
LA1505 OF A ROAD SOUTH, SET IN THE TOP OF THE SOUTHEAST WING WALL
LA1505 OF A 40-FOOT CONCRETE DECK STEEL BRIDGE OVER LITTLE KILBUCK
LA1505 CREEK, 11.5 FEET SOUTH OF THE CENTER LINE OF THE ROAD, 6 FEET
LA1505 NORTHWEST OF THE SOUTHEAST END OF THE WING WALL AND ABOUT 1
LA1505 FOOT BELOW THE ROAD.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1506 **********

LA1506 DESIGNATION - Z 218
LA1506 PID - LA1506
LA1506 STATE/COUNTY- IN/MADISON
LA1506 USGS QUAD - ANDERSON NORTH
LA1506
LA1506 HORZ DATUM - NAD 83
LA1506 VERT DATUM - NAVD 88
LA1506
LA1506 POSITION - 40 11 38. (N) 085 37 54. (W) SCALED
LA1506 83 minus 27 - +00. -00. NADCON
LA1506
LA1506 HEIGHT - 271.397 (meters) 890.41 (feet) ADJUST
LA1506 88 minus 29 - -0.141 ADJ UNCHK

LA1506 **********

LA1506 GEOID HEIGHT- -34.04 GEOID93
LA1506 MODELED GRAV- 980,089.4 NAVD88
LA1506
LA1506 VERT ORDER - SECOND CLASS 0
LA1506
LA1506 The horizontal coordinates were scaled from a topographic map and have
LA1506 an estimated accuracy of +/- 6 seconds.
LA1506
LA1506 The orthometric height was determined by differential leveling
LA1506 and adjusted by the National Geodetic Survey in June 1991.
LA1506
LA1506 The geoid height was determined by GEOID93.
LA1506
LA1506 The modeled gravity was interpolated from observed gravity values.
LA1506
LA1506 STATION MARK IS A BENCH MARK DISK
LA1506 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1506 THE MARK IS STAMPED: Z 218 1947
LA1506 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1506 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1506
LA1506 HISTORY - Year Condition Recov. By
LA1506 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1506

STATION DESCRIPTION

LA1506
LA1506 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1506 ABOUT 2.55 MILES EAST ALONG A COUNTY ROAD LEADING TO MOONVILLE
LA1506 FROM THE GRAIN ELEVATOR AT LINWOOD, ABOUT 1.65 MILES WEST OF THE
LA1506 CROSSROADS AT MOONVILLE, AT A CROSS ROAD, 32 FEET NORTH OF THE
LA1506 CENTER LINE OF THE EAST-WEST ROAD, 15 FEET EAST OF THE CENTER
LA1506 LINE OF THE NORTH-SOUTH ROAD, 64.5 FEET EAST AND ACROSS THE
LA1506 NORTH-SOUTH ROAD FROM THE NORTHEAST GAS PUMP OF A PHILLIPS
LA1506 SERVICE STATION, 12.5 FEET NORTH OF A FENCE CORNER, 1.0 FOOT
LA1506 WEST OF A FENCE LINE, 1.5 FEET SOUTH OF A WHITE WOODEN WITNESS
LA1506 POST, 1 FOOT BELOW THE INTERSECTION AND SET IN THE TOP OF A
LA1506 CONCRETE POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1507 **********

LA1507 DESIGNATION - A 219
LA1507 PID - LA1507
LA1507 STATE/COUNTY- IN/MADISON
LA1507 USGS QUAD - GILMAN
LA1507
LA1507 HORZ DATUM - NAD 83
LA1507 VERT DATUM - NAVD 88
LA1507
LA1507 POSITION - 40 11 37. (N) 085 36 47. (W) SCALED
LA1507 83 minus 27 - +00. -00. NADCON
LA1507
LA1507 HEIGHT - 269.539 (meters) 884.31 (feet) ADJUST
LA1507 88 minus 29 - -0.142 ADJ UNCHK

LA1507 **********

LA1507 GEOID HEIGHT- -34.02 GEOID93
LA1507 MODELED GRAV- 980,089.9 NAVD88
LA1507
LA1507 VERT ORDER - SECOND CLASS 0
LA1507
LA1507 The horizontal coordinates were scaled from a topographic map and have
LA1507 an estimated accuracy of +/- 6 seconds.
LA1507
LA1507 The orthometric height was determined by differential leveling
LA1507 and adjusted by the National Geodetic Survey in June 1991.
LA1507
LA1507 The geoid height was determined by GEOID93.
LA1507
LA1507 The modeled gravity was interpolated from observed gravity values.
LA1507
LA1507 STATION MARK IS A BENCH MARK DISK
LA1507 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1507 THE MARK IS STAMPED: A 219 1947
LA1507 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1507 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1507
LA1507 HISTORY - Year Condition Recov. By
LA1507 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1507
LA1507 STATION DESCRIPTION
LA1507
LA1507 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1507 ABOUT 0.65 MILE WEST ALONG A COUNTY ROAD FROM THE CROSSROADS
LA1507 AT MOONVILLE, AT A GRAVEL CROSS ROAD, 47.5 FEET WEST OF THE
LA1507 CENTER LINE OF THE NORTH-SOUTH ROAD, 18 FEET SOUTH OF THE
LA1507 CENTER LINE OF THE EAST-WEST ROAD, 12 FEET WEST OF THE WEST
LA1507 CONCRETE GATEPOST, 32 FEET WEST OF A CONCRETE GATE POST AND
LA1507 FENCE CORNER POST, 1 FOOT NORTH OF THE FENCE LINE, 1.5 FEET
LA1507 EAST OF A WHITE WOODEN WITNESS POST, 1 FOOT BELOW THE ROAD AND
LA1507 SET IN THE TOP OF A CONCRETE POST PROJECTING 4 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1508 **********

LA1508 DESIGNATION - B 219
LA1508 PID - LA1508
LA1508 STATE/COUNTY- IN/MADISON
LA1508 USGS QUAD - GILMAN
LA1508
LA1508 HORZ DATUM - NAD 83
LA1508 VERT DATUM - NAVD 88
LA1508
LA1508 POSITION - 40 11 37. (N) 085 35 36. (W) SCALED
LA1508 83 minus 27 - +00. -00. NADCON
LA1508
LA1508 HEIGHT - 264.064 (meters) 866.35 (feet) ADJUST
LA1508 88 minus 29 - -0.142 ADJ UNCHK
LA1508 **********
LA1508 GEOID HEIGHT- -34.01 GEOID93
LA1508 MODELED GRAV- 980,090.2 NAVD88
LA1508
LA1508 VERT ORDER - SECOND CLASS 0
LA1508
LA1508 The horizontal coordinates were scaled from a topographic map and have
LA1508 an estimated accuracy of +/- 6 seconds.
LA1508
LA1508 The orthometric height was determined by differential leveling
LA1508 and adjusted by the National Geodetic Survey in June 1991.
LA1508
LA1508 The geoid height was determined by GEOID93.
LA1508
LA1508 The modeled gravity was interpolated from observed gravity values.
LA1508
LA1508 STATION MARK IS A BENCH MARK DISK
LA1508 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1508 THE MARK IS STAMPED: B 219 1947
LA1508 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1508
LA1508 HISTORY - Year Condition Recov. By
LA1508 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1508 HISTORY - 1972 GOOD LOCAL SURVEYOR
LA1508

STATION DESCRIPTION

LA1508
LA1508 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1508 ABOUT 0.4 MILE EAST ALONG A GRAVEL COUNTY ROAD FROM THE CROSSROADS
LA1508 AT MOONVILLE, ABOUT 0.95 MILE WEST OF THE MADISON-DELAWARE COUNTY
LA1508 LINE CROSSROAD, SET IN THE TOP OF THE SOUTHEAST WING WALL OF A
LA1508 100-FOOT CONCRETE DECK STEEL BRIDGE OVER BIG KILBUCK CREEK, 13
LA1508 FEET SOUTH OF AND ABOUT LEVEL WITH THE CENTER LINE OF THE ROAD.
LA1508 NOTE-- MARK MAY BE REACHED FROM THE CROSSROADS AT GILMAN, MADISON
LA1508 COUNTY BY GOING ABOUT 2.7 MILE SOUTH ALONG THE DELAWARE-MADISON
LA1508 COUNTY LINE ROAD THENCE ABOUT 0.95 MILE WEST ALONG A ROAD LEADING
LA1508 TO LINWOOD VIA MOONVILLE.
LA1508

STATION RECOVERY (1972)

LA1508
LA1508 RECOVERY NOTE BY LOCAL SURVEYOR (INDIVIDUAL OR FIRM) 1972
LA1508 RECOVERED IN GOOD CONDITION.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1512 **********
LA1512 DESIGNATION - S 218
LA1512 PID - LA1512
LA1512 STATE/COUNTY- IN/MADISON
LA1512 USGS QUAD - MIDDLETOWN
LA1512
LA1512 HORZ DATUM - NAD 83
LA1512 VERT DATUM - NAVD 88
LA1512
LA1512 POSITION - 40 07 11. (N) 085 34 32. (W) SCALED
LA1512 83 minus 27 - +00. -00. NADCON
LA1512
LA1512 HEIGHT - 265.138 (meters) 869.87 (feet) ADJUST
LA1512 88 minus 29 - -0.138 ADJ UNCHK
LA1512 **********
LA1512 GEOID HEIGHT- -33.96 GEOID93
LA1512 MODELED GRAV- 980,083.7 NAVD88
LA1512
LA1512 VERT ORDER - SECOND CLASS 0
LA1512
LA1512 The horizontal coordinates were scaled from a topographic map and have
LA1512 an estimated accuracy of +/- 6 seconds.
LA1512
LA1512 The orthometric height was determined by differential leveling
LA1512 and adjusted by the National Geodetic Survey in June 1991.
LA1512
LA1512 The geoid height was determined by GEOID93.
LA1512
LA1512 The modeled gravity was interpolated from observed gravity values.
LA1512
LA1512 STATION MARK IS A BENCH MARK DISK
LA1512 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1512 THE MARK IS STAMPED: S 218 1947
LA1512 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1512
LA1512 HISTORY - Year Condition Recov. By
LA1512 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1512

STATION DESCRIPTION

LA1512
LA1512 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1512 ABOUT 1.2 MILES EAST ALONG STATE HIGHWAY 32 FROM THE GRAMMAR
LA1512 SCHOOL AT CHESTERFIELD, THENCE ABOUT 0.3 MILE NORTH ALONG THE
LA1512 DELAWARE-MADISON COUNTY LINE ROAD, SET IN THE TOP OF THE WEST
LA1512 END OF THE NORTH ABUTMENT OF CONCRETE DECK STEEL BRIDGE OVER
LA1512 WEST FORK OF WHITE RIVER, 11 FEET WEST OF THE CENTER LINE OF THE
LA1512 ROAD, 1.5 FEET WEST OF THE STEEL BEAM, 1 FOOT NORTH OF THE SOUTH
LA1512 EDGE OF THE ABUTMENT, AND ABOUT 1.5 FEET BELOW THE ROAD.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1517 **********

LA1517 DESIGNATION - M 218
LA1517 PID - LA1517
LA1517 STATE/COUNTY- IN/MADISON
LA1517 USGS QUAD - GILMAN
LA1517
LA1517 HORZ DATUM - NAD 83
LA1517 VERT DATUM - NAVD 88
LA1517
LA1517 POSITION - 40 11 38. (N) 085 34 31. (W) SCALED
LA1517 83 minus 27 - +00. -00. NADCON
LA1517
LA1517 HEIGHT - 274.363 (meters) 900.14 (feet) ADJUST
LA1517 88 minus 29 - -0.141 ADJ UNCHK

LA1517 **********

LA1517 GEOID HEIGHT- -34.00 GEOID93
LA1517 MODELED GRAV- 980,090.3 NAVD88
LA1517
LA1517 VERT ORDER - SECOND CLASS 0
LA1517
LA1517 The horizontal coordinates were scaled from a topographic map and have
LA1517 an estimated accuracy of +/- 6 seconds.
LA1517
LA1517 The orthometric height was determined by differential leveling
LA1517 and adjusted by the National Geodetic Survey in June 1991.
LA1517
LA1517 The geoid height was determined by GEOID93.
LA1517
LA1517 The modeled gravity was interpolated from observed gravity values.
LA1517
LA1517 STATION MARK IS A BENCH MARK DISK
LA1517 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1517 THE MARK IS STAMPED: M 218 1947
LA1517 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1517 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1517
LA1517 HISTORY - Year Condition Recov. By
LA1517 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1517
LA1517 STATION DESCRIPTION
LA1517
LA1517 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1517 ABOUT 2.7 MILES SOUTH ALONG THE DELAWARE-MADISON COUNTY LINE
LA1517 ROAD FROM THE CROSSROADS AT GILMAN, AT AN EAST-WEST GRAVEL CROSS
LA1517 ROAD, 49.5 FEET NORTH OF THE CENTER LINE OF THE EAST-WEST ROAD, 16
LA1517 FEET WEST OF THE CENTER LINE OF THE COUNTY LINE ROAD, 32 FEET
LA1517 NORTH OF POWER POLE NO. MA 561, IN LINE WITH THE ROW OF POLES,
LA1517 1 FOOT SOUTH OF A WHITE WOODEN WITNESS POST, ABOUT LEVEL WITH
LA1517 THE ROADS AND SET IN THE TOP OF A CONCRETE POST PROJECTING
LA1517 5 INCHES. NOTE-- MARK MAY BE REACHED FROM THE CROSSROADS
LA1517 AT MOONVILLE, MADISON COUNTY BY GOING ABOUT 1.35 MILES EAST
LA1517 ALONG A GRAVEL COUNTY ROAD.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1518 ***
LA1518 DESIGNATION - L 218
LA1518 PID   - LA1518
LA1518 STATE/COUNTY- IN/MADISON
LA1518 USGS QUAD   - GILMAN
LA1518
LA1518 HORZ DATUM - NAD 83
LA1518 VERT DATUM - NAVD 88
LA1518
LA1518 POSITION   - 40 12 26.   (N)   085 34 31.   (W)   SCALED
LA1518 83 minus 27 -   +00.   -00.   NADCON
LA1518
LA1518 HEIGHT   -   264.794 (meters)   868.74   (feet) ADJUST
LA1518 88 minus 29 -   -0.142   ADJ UNCHK
LA1518 ***
LA1518 GEOID HEIGHT-   -34.00   GEOID93
LA1518 MODELED GRAV-   980,091.5   NAVD88
LA1518
LA1518 VERT ORDER - SECOND   CLASS 0
LA1518
LA1518 The horizontal coordinates were scaled from a topographic map and have
LA1518 an estimated accuracy of +/- 6 seconds.
LA1518
LA1518 The orthometric height was determined by differential leveling
LA1518 and adjusted by the National Geodetic Survey in June 1991.
LA1518
LA1518 The geoid height was determined by GEOID93.
LA1518
LA1518 The modeled gravity was interpolated from observed gravity values.
LA1518
LA1518 STATION MARK IS A BENCH MARK DISK
LA1518 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1518 THE MARK IS STAMPED: L 218 1947
LA1518 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1518
LA1518 HISTORY   - Year Condition   Recov. By
LA1518 HISTORY   - 1947 STATION MONUMENTED   COAST AND GEODETIC SURVEY
LA1518
LA1518   STATION DESCRIPTION
LA1518
LA1518 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1518 ABOUT 1.8 MILES SOUTH ALONG THE DELAWARE-MADISON COUNTY LINE
LA1518 ROAD FROM THE CROSSROADS AT GILMAN, SET IN THE TOP OF THE
LA1518 NORTH END OF THE WEST CONCRETE HEAD WALL OF A 4-FOOT CONCRETE
LA1518 ARCH CULVERT, 34.0 FEET SOUTH OF THE SOUTHWEST CORNER OF A
LA1518 WOODEN DECK STEEL BRIDGE OVER BIG KILBUCK CREEK, 13.5 FEET
LA1518 WEST OF THE CENTER LINE OF THE COUNTY LINE ROAD AND IN LINE
LA1518 WITH THE CENTER OF A ROAD LEADING EAST, AND ABOUT 1 FOOT BELOW
LA1518 THE ROAD.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1521 **********
LA1521 DESIGNATION - H 218
LA1521 PID - LA1521
LA1521 STATE/COUNTY- IN/MADISON
LA1521 USGS QUAD - GILMAN
LA1521
LA1521 HORZ DATUM - NAD 83
LA1521 VERT DATUM - NAVD 88
LA1521
LA1521 POSITION - 40 14 53. (N) 085 34 32. (W) SCALED
LA1521 83 minus 27 - +00. -00. NADCON
LA1521
LA1521 HEIGHT - 278.317 (meters) 913.11 (feet) ADJUST
LA1521 88 minus 29 - -0.139 ADJ UNCHK
LA1521 **********
LA1521 GEOID HEIGHT- -34.02 GEOID93
LA1521 MODELED GRAV- 980,094.9 NAVD88
LA1521
LA1521 VERT ORDER - SECOND CLASS 0
LA1521
LA1521 The horizontal coordinates were scaled from a topographic map and have
LA1521 an estimated accuracy of +/- 6 seconds.
LA1521
LA1521 The orthometric height was determined by differential leveling
LA1521 and adjusted by the National Geodetic Survey in June 1991.
LA1521
LA1521 The geoid height was determined by GEOID93.
LA1521
LA1521 The modeled gravity was interpolated from observed gravity values.
LA1521
LA1521 STATION MARK IS A BENCH MARK DISK
LA1521 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1521 THE MARK IS STAMPED: H 218 1947
LA1521 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1521 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1521
LA1521 HISTORY - Year Condition Recov. By
LA1521 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1521
LA1521 STATION DESCRIPTION
LA1521
LA1521 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1521 ABOUT 1.0 MILE NORTH ALONG THE MADISON-DELAWARE COUNTY LINE
LA1521 ROAD FROM THE CROSSROADS AT GILMAN, AT THE INTERSECTION OF AN
LA1521 EAST-WEST GRAVEL ROAD, 32 FEET SOUTH OF THE CENTER LINE OF THE
LA1521 EAST-WEST ROAD, 16.5 FEET WEST OF THE CENTER LINE OF THE
LA1521 COUNTY LINE ROAD, 13.5 FEET SOUTH OF A CONCRETE FENCE CORNER
LA1521 POST, 13 FEET SOUTH OF POWER POLE NO. MA 4087, 1.5 FEET EAST OF
LA1521 THE FENCE LINE, 1.5 FEET NORTH OF A WHITE WOODEN WITNESS POST,
LA1521 ABOUT LEVEL WITH THE ROADS AND SET IN THE TOP OF A CONCRETE
LA1521 POST PROJECTING 4 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1524 **********

LA1524 DESIGNATION - L 44
LA1524 PID - LA1524
LA1524 STATE/COUNTY- IN/MADISON
LA1524 USGS QUAD - ANDERSON SOUTH
LA1524
LA1524 HORZ DATUM - NAD 83
LA1524 VERT DATUM - NAVD 88
LA1524
LA1524 POSITION - 40 00 14. (N) 085 38 02. (W) SCALED
LA1524 83 minus 27 - +00. -00. NADCON
LA1524
LA1524 HEIGHT - 280.781 (meters) 921.20 (feet) ADJUST
LA1524 88 minus 29 - -0.135 ADJ UNCHK

LA1524 **********

LA1524 GEOID HEIGHT- -34.00 GEOID93
LA1524 MODELED GRAV- 980,067.1 NAVD88
LA1524
LA1524 VERT ORDER - SECOND CLASS 0
LA1524
LA1524 The horizontal coordinates were scaled from a topographic map and have
LA1524 an estimated accuracy of +/- 6 seconds.
LA1524
LA1524 The orthometric height was determined by differential leveling
LA1524 and adjusted by the National Geodetic Survey in June 1991.
LA1524
LA1524 The geoid height was determined by GEOID93.
LA1524
LA1524 The modeled gravity was interpolated from observed gravity values.
LA1524
LA1524 STATION MARK IS A BENCH MARK DISK
LA1524 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1524 THE MARK IS STAMPED: L 44 1934
LA1524 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1524 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1524
LA1524 HISTORY - Year Condition Recov. By
LA1524 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1524 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
LA1524 HISTORY - 1960 UNKNOWN - MARK NOT F US GEOLOGICAL SURVEY
LA1524
LA1524 STATION DESCRIPTION
LA1524
LA1524 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1524 AT EMPORIA, ALONG THE CLEVELAND, CINCINNATI, CHICAGO AND ST.
LA1524 LOUIS RAILROAD, 32.5 FEET SOUTH OF THE SOUTHEAST CORNER OF A
LA1524 CONCRETE BLOCK STORAGE BUILDING OF THE EMPORIA ELEVATOR COMPANY,
LA1524 38.5 FEET SOUTHEAST OF THE SOUTHWEST CORNER OF THE BUILDING, 25.2
LA1524 FEET SOUTHWEST OF POLE 172/24, 36 FEET SOUTHWEST OF THE SOUTHWEST
LA1524 RAIL OF THE MAIN TRACK, ABOUT 2 FEET BELOW THE TRACK AND SET IN
LA1524 THE TOP OF A CONCRETE POST. NOTE-- THE MARK HAPPENED TO BE
LA1524 UNCOVERED AT THE TIME OF RECOVERY BUT IS UNDER A COAL PILE AND IS
LA1524 APT TO BE COVERED.
LA1524
LA1524 STATION RECOVERY (1960)
LA1524
LA1524 RECOVERY NOTE BY US GEOLOGICAL SURVEY 1960
LA1524 MARK NOT FOUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1525 **********

LA1525 DESIGNATION - M 44
LA1525 PID - LA1525
LA1525 STATE/COUNTY- IN/MADISON
LA1525 USGS QUAD - ANDERSON SOUTH
LA1525
LA1525 HORZ DATUM - NAD 83
LA1525 VERT DATUM - NAVD 88
LA1525
LA1525 POSITION - 40 01 46. (N) 085 38 54. (W) SCALED
LA1525 83 minus 27 - +00. -00. NADCON
LA1525
LA1525 HEIGHT - 279.808 (meters) 918.00 (feet) ADJUST
LA1525 88 minus 29 - -0.136 ADJ UNCHK

LA1525 **********

LA1525 GEOID HEIGHT- -34.00 GEOID93
LA1525 MODELED GRAV- 980,070.8 NAVD88
LA1525
LA1525 VERT ORDER - SECOND CLASS 0
LA1525
LA1525 The horizontal coordinates were scaled from a topographic map and have
LA1525 an estimated accuracy of +/- 6 seconds.
LA1525
LA1525 The orthometric height was determined by differential leveling
LA1525 and adjusted by the National Geodetic Survey in June 1991.
LA1525
LA1525 The geoid height was determined by GEOID93.
LA1525
LA1525 The modeled gravity was interpolated from observed gravity values.
LA1525
LA1525 STATION MARK IS A BENCH MARK DISK
LA1525 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1525 THE MARK IS STAMPED: M 44 1934
LA1525 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1525 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1525

LA1525 HISTORY	- Year	Condition	Recov. By
LA1525 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1525 HISTORY	- 1947	GOOD	NATIONAL GEODETIC SURVEY
LA1525 HISTORY	- 1971	GOOD	LOCAL SURVEYOR

LA1525
LA1525 STATION DESCRIPTION
LA1525
LA1525 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1525 1.9 MILES NORTH ALONG THE CLEVELAND, CINCINNATI, CHICAGO AND
LA1525 ST. LOUIS RAILWAY FROM THE STATION AT EMPORIA, MADISON COUNTY,
LA1525 0.3 MILE SOUTH OF A DIRT-ROAD CROSSING, TWO RAILS SOUTH OF A
LA1525 WHISTLE POST, ACROSS THE TRACK FROM POLE 170/32, 28.4 FEET EAST
LA1525 OF THE EAST RAIL, 2.4 FEET WEST OF A WIRE FENCE, AND LEVEL WITH
LA1525 THE TOP OF THE RAIL. A STANDARD DISK, STAMPED M 44 1934 AND SET
LA1525 IN THE TOP OF A CONCRETE POST.
LA1525
LA1525 STATION RECOVERY (1971)
LA1525
LA1525 RECOVERY NOTE BY LOCAL SURVEYOR (INDIVIDUAL OR FIRM) 1971
LA1525 RECOVERED IN GOOD CONDITION.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1526 **********
LA1526 DESIGNATION - N 44
LA1526 PID - LA1526
LA1526 STATE/COUNTY- IN/MADISON
LA1526 USGS QUAD - ANDERSON SOUTH
LA1526
LA1526 HORZ DATUM - NAD 83
LA1526 VERT DATUM - NAVD 88
LA1526
LA1526 POSITION - 40 03 15. (N) 085 39 46. (W) SCALED
LA1526 83 minus 27 - +00. -00. NADCON
LA1526
LA1526 HEIGHT - 277.855 (meters) 911.60 (feet) ADJUST
LA1526 88 minus 29 - -0.137 ADJ UNCHK
LA1526 **********
LA1526 GEOID HEIGHT- -34.00 GEOID93
LA1526 MODELED GRAV- 980,074.3 NAVD88
LA1526
LA1526 VERT ORDER - SECOND CLASS 0
LA1526
LA1526 The horizontal coordinates were scaled from a topographic map and have
LA1526 an estimated accuracy of +/- 6 seconds.
LA1526
LA1526 The orthometric height was determined by differential leveling
LA1526 and adjusted by the National Geodetic Survey in June 1991.
LA1526
LA1526 The geoid height was determined by GEOID93.
LA1526
LA1526 The modeled gravity was interpolated from observed gravity values.
LA1526
LA1526 STATION MARK IS A BENCH MARK DISK
LA1526 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1526 THE MARK IS STAMPED: N 44 1934
LA1526 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1526 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1526

LA1526	HISTORY	Year Condition	Recov. By
LA1526	HISTORY	1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1526	HISTORY	1947 GOOD	NATIONAL GEODETIC SURVEY

LA1526
LA1526 STATION DESCRIPTION
LA1526
LA1526 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1526 3.3 MILES SOUTH ALONG THE CLEVELAND, CINCINNATI, CHICAGO AND
LA1526 ST. LOUIS RAILWAY FROM THE STATION AT ANDERSON, MADISON COUNTY,
LA1526 8.5 FEET SOUTHWEST OF POLE 168/35, IN THE SOUTHWEST ANGLE OF A
LA1526 DIRT-ROAD CROSSING AT THE H.Y. WILSON FARMHOUSE, 57 FEET SOUTH
LA1526 OF THE CENTERLINE OF THE ROAD, 28.4 FEET WEST OF THE WEST RAIL,
LA1526 2.1 FEET EAST OF A WIRE FENCE, AND ABOUT 2 FEET LOWER THAN THE
LA1526 TOP OF THE RAIL. A STANDARD DISK, STAMPED N 44 1934 AND SET
LA1526 IN THE TOP OF A CONCRETE POST.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1527 **********
LA1527 DESIGNATION - P 44
LA1527 PID - LA1527
LA1527 STATE/COUNTY- IN/MADISON
LA1527 USGS QUAD - ANDERSON SOUTH
LA1527
LA1527 HORZ DATUM - NAD 83
LA1527 VERT DATUM - NAVD 88
LA1527
LA1527 POSITION - 40 05 08. (N) 085 40 20. (W) SCALED
LA1527 83 minus 27 - +00. -00. NADCON
LA1527
LA1527 HEIGHT - 271.821 (meters) 891.80 (feet) ADJUST
LA1527 88 minus 29 - -0.139 ADJ UNCHK
LA1527 **********
LA1527 GEOID HEIGHT- -34.02 GEOID93
LA1527 MODELED GRAV- 980,079.6 NAVD88
LA1527
LA1527 VERT ORDER - SECOND CLASS 0
LA1527
LA1527 The horizontal coordinates were scaled from a topographic map and have
LA1527 an estimated accuracy of +/- 6 seconds.
LA1527
LA1527 The orthometric height was determined by differential leveling
LA1527 and adjusted by the National Geodetic Survey in June 1991.
LA1527
LA1527 The geoid height was determined by GEOID93.
LA1527
LA1527 The modeled gravity was interpolated from observed gravity values.
LA1527
LA1527 STATION MARK IS A BENCH MARK DISK
LA1527 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1527 THE MARK IS STAMPED: P 44 1934
LA1527 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1527
LA1527 HISTORY - Year Condition Recov. By
LA1527 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1527 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
LA1527
LA1527 STATION DESCRIPTION
LA1527
LA1527 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1527 1.0 MILE SOUTH ALONG THE CLEVELAND, CINCINNATI, CHICAGO AND ST.
LA1527 LOUIS RAILWAY FROM THE STATION AT ANDERSON, MADISON COUNTY, AT
LA1527 THE SOUTH ANDERSON FLAG STOP, ACROSS THE TRACK FROM POLE 166/30,
LA1527 52 YARDS NORTH OF AN ASPHALT-ROAD CROSSING, AT THE NORTHWEST
LA1527 CORNER OF SIGNAL 1662, IN THE TOP OF THE CONCRETE BASE, 6.8
LA1527 FEET EAST OF THE EAST RAIL, AND ABOUT 1/2 FOOT HIGHER THAN THE
LA1527 RAIL. A STANDARD DISK, STAMPED P 44 1934.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1528 **********
LA1528 DESIGNATION - S 247
LA1528 PID - LA1528
LA1528 STATE/COUNTY- IN/MADISON
LA1528 USGS QUAD - MIDDLETOWN
LA1528
LA1528 HORZ DATUM - NAD 83
LA1528 VERT DATUM - NAVD 88
LA1528
LA1528 POSITION - 40 00 16. (N) 085 36 53. (W) SCALED
LA1528 83 minus 27 - +00. -00. NADCON
LA1528
LA1528 HEIGHT - 285.788 (meters) 937.62 (feet) ADJUST
LA1528 88 minus 29 - -0.131 ADJ UNCHK
LA1528 **********
LA1528 GEOID HEIGHT- -33.99 GEOID93
LA1528 MODELED GRAV- 980,067.6 NAVD88
LA1528
LA1528 VERT ORDER - SECOND CLASS 0
LA1528
LA1528 The horizontal coordinates were scaled from a topographic map and have
LA1528 an estimated accuracy of +/- 6 seconds.
LA1528
LA1528 The orthometric height was determined by differential leveling
LA1528 and adjusted by the National Geodetic Survey in June 1991.
LA1528
LA1528 The geoid height was determined by GEOID93.
LA1528
LA1528 The modeled gravity was interpolated from observed gravity values.
LA1528
LA1528 STATION MARK IS A BENCH MARK DISK
LA1528 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1528 THE MARK IS STAMPED: S 247 1947
LA1528 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1528
LA1528 HISTORY - Year Condition Recov. By
LA1528 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1528
LA1528 STATION DESCRIPTION
LA1528
LA1528 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1528 ABOUT 1.05 MILES EAST ALONG U.S. HIGHWAY 36 FROM THE JUNCTION
LA1528 OF STATE HIGHWAY 109 AT EMPORIA, AT A CROSS ROAD (BLACK TOP-SOUTH
LA1528 AND GRAVEL NORTH), 130 FEET WEST OF THE CENTER LINE OF THE CROSS
LA1528 ROAD, 12 FEET SOUTH OF THE CENTER LINE OF THE HIGHWAY, IN THE
LA1528 TOP OF THE WEST END OF THE 5 FOOT CONCRETE HEAD WALL OF A 16-INCH
LA1528 PIPE CULVERT, AND ABOUT LEVEL WITH THE HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1529 **********
LA1529 DESIGNATION - S 247 RESET 1960
LA1529 PID - LA1529
LA1529 STATE/COUNTY- IN/MADISON
LA1529 USGS QUAD - MIDDLETOWN
LA1529
LA1529 HORZ DATUM - NAD 83
LA1529 VERT DATUM - NGVD 29
LA1529
LA1529 POSITION - 40 00 14. (N) 085 36 53. (W) SCALED
LA1529 83 minus 27 - +00. -00. NADCON
LA1529
LA1529 HEIGHT - 285.57 (meters) 936.9 (feet) RESET COMP
LA1529 88 minus 29 - -0.13 VERTCON
LA1529 **********
LA1529 GEOID HEIGHT- -33.99 GEOID93
LA1529
LA1529 VERT ORDER - ?
LA1529
LA1529 The horizontal coordinates were scaled from a topographic map and have
LA1529 an estimated accuracy of +/- 6 seconds.
LA1529
LA1529 The orthometric height was computed from unverified reset data.
LA1529
LA1529 The geoid height was determined by GEOID93.
LA1529
LA1529 STATION MARK IS A BENCH MARK DISK
LA1529 WITH SETTING: SET IN A LIGHT STRUCTURE
LA1529 THE MARK IS STAMPED: S 247 RESET 1960
LA1529 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
LA1529
LA1529 HISTORY - Year Condition Recov. By
LA1529 HISTORY - 1960 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1529 HISTORY - 1961 GOOD NATIONAL GEODETIC SURVEY
LA1529
LA1529 STATION DESCRIPTION
LA1529
LA1529 DESCRIBED BY NATIONAL GEODETIC SURVEY 1961
LA1529 THIS MARK IS LOCATED 1.05 MILES EAST ALONG U.S. HIGHWAY FROM
LA1529 THE JUNCTION OF STATE HIGHWAY 109 AT EMPORIA, AT A CROSS ROAD
LA1529 (BLACK TOP-SOUTH AND NORTH), 130 FEET WEST OF THE CENTERLINE OF
LA1529 THE CROSS ROAD, 24 FEET NORTH OF THE CENTERLINE OF THE HIGHWAY,
LA1529 IN THE CENTER OF A 6 FT-8 IN CONCRETE HEADWALL OF A 36 X 22 INCH
LA1529 PIPE CULVERT, AND ABOUT LEVEL WITH THE HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1530 **********

LA1530 DESIGNATION - T 247
LA1530 PID - LA1530
LA1530 STATE/COUNTY- IN/MADISON
LA1530 USGS QUAD - MIDDLETOWN
LA1530
LA1530 HORZ DATUM - NAD 83
LA1530 VERT DATUM - NAVD 88
LA1530
LA1530 POSITION - 40 00 17. (N) 085 35 43. (W) SCALED
LA1530 83 minus 27 - +00. -00. NADCON
LA1530
LA1530 HEIGHT - 293.794 (meters) 963.89 (feet) ADJUST
LA1530 88 minus 29 - -0.131 ADJ UNCHK

LA1530 **********

LA1530 GEOID HEIGHT- -33.98 GEOID93
LA1530 MODELED GRAV- 980,068.0 NAVD88
LA1530
LA1530 VERT ORDER - SECOND CLASS 0
LA1530
LA1530 The horizontal coordinates were scaled from a topographic map and have
LA1530 an estimated accuracy of +/- 6 seconds.
LA1530
LA1530 The orthometric height was determined by differential leveling
LA1530 and adjusted by the National Geodetic Survey in June 1991.
LA1530
LA1530 The geoid height was determined by GEOID93.
LA1530
LA1530 The modeled gravity was interpolated from observed gravity values.
LA1530
LA1530 STATION MARK IS A BENCH MARK DISK
LA1530 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1530 THE MARK IS STAMPED: T 247 1947
LA1530 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1530 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1530
LA1530 HISTORY - Year Condition Recov. By
LA1530 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1530

STATION DESCRIPTION

LA1530
LA1530 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1530 ABOUT 2.05 MILES WEST ALONG U.S. HIGHWAY 36 FROM THE MAIN
LA1530 CROSSROADS AT MECHANICSBURG, ABOUT 2.05 MILES EAST ALONG U.S.
LA1530 HIGHWAY 36 FROM ITS JUNCTION WITH STATE HIGHWAY 109 AT EMPORIA,
LA1530 ABOUT 1.0 MILE WEST OF THE HENRY-MADISON COUNTY LINE CROSSROAD,
LA1530 AT A CROSS ROAD, 136 FEET NORTH OF THE CENTER LINE OF THE
LA1530 HIGHWAY, 14 FEET WEST OF THE CENTER LINE OF THE CROSS ROAD, 17
LA1530 FEET NORTH OF AN 18-INCH LOCUST TREE USED AS A FENCE CORNER AND
LA1530 GATE POST, 1 FOOT EAST OF THE FENCE, ABOUT LEVEL WITH THE CROSS
LA1530 ROAD AND SET IN THE TOP OF A CONCRETE POST PROJECTING 4 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1548 **********

LA1548 DESIGNATION - U 217
LA1548 PID - LA1548
LA1548 STATE/COUNTY- IN/MADISON
LA1548 USGS QUAD - ALEXANDRIA
LA1548
LA1548 HORZ DATUM - NAD 83
LA1548 VERT DATUM - NAVD 88
LA1548
LA1548 POSITION - 40 16 40. (N) 085 39 09. (W) SCALED
LA1548 83 minus 27 - +00. -00. NADCON
LA1548
LA1548 HEIGHT - 271.750 (meters) 891.56 (feet) ADJUST
LA1548 88 minus 29 - -0.143 ADJ UNCHK

LA1548 **********

LA1548 GEOID HEIGHT- -34.09 GEOID93
LA1548 MODELED GRAV- 980,097.1 NAVD88
LA1548
LA1548 VERT ORDER - SECOND CLASS 0
LA1548
LA1548 The horizontal coordinates were scaled from a topographic map and have
LA1548 an estimated accuracy of +/- 6 seconds.
LA1548
LA1548 The orthometric height was determined by differential leveling
LA1548 and adjusted by the National Geodetic Survey in June 1991.
LA1548
LA1548 The geoid height was determined by GEOID93.
LA1548
LA1548 The modeled gravity was interpolated from observed gravity values.
LA1548
LA1548 STATION MARK IS A BENCH MARK DISK
LA1548 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1548 THE MARK IS STAMPED: U 217 1947
LA1548 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1548 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1548
LA1548 HISTORY - Year Condition Recov. By
LA1548 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1548 HISTORY - 1971 GOOD LOCAL SURVEYOR
LA1548
LA1548 STATION DESCRIPTION
LA1548
LA1548 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1548 ABOUT 1.0 MILE EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1548 WITH STATE HIGHWAY 9 AT ALEXANDRIA, AT A GRAVEL CROSS ROAD
LA1548 (LEADING NORTH TO SUMMITVILLE), 32 FEET SOUTH OF THE CENTER LINE
LA1548 OF THE HIGHWAY, 28 FEET WEST OF THE CENTER LINE OF THE CROSS
LA1548 ROAD, 4.5 FEET EAST OF A CONCRETE FENCE CORNER POST, 2 FEET
LA1548 NORTHEAST OF THE FENCE LINE, 1.5 FEET NORTH OF A WHITE WOODEN
LA1548 WITNESS POST, ABOUT 2 FEET ABOVE THE HIGHWAY AND SET IN THE TOP
LA1548 OF A CONCRETE POST PROJECTING 6 INCHES.
LA1548
LA1548 STATION RECOVERY (1971)
LA1548
LA1548 RECOVERY NOTE BY LOCAL SURVEYOR (INDIVIDUAL OR FIRM) 1971
LA1548 RECOVERED IN GOOD CONDITION.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1549 **********

LA1549 DESIGNATION - V 217
LA1549 PID - LA1549
LA1549 STATE/COUNTY- IN/MADISON
LA1549 USGS QUAD - ALEXANDRIA
LA1549
LA1549 HORZ DATUM - NAD 83
LA1549 VERT DATUM - NAVD 88
LA1549
LA1549 POSITION - 40 16 40. (N) 085 37 59. (W) SCALED
LA1549 83 minus 27 - +00. -00. NADCON
LA1549
LA1549 HEIGHT - 270.960 (meters) 888.97 (feet) ADJUST
LA1549 88 minus 29 - -0.143 ADJ UNCHK

LA1549 **********

LA1549 GEOID HEIGHT- -34.07 GEOID93
LA1549 MODELED GRAV- 980,097.3 NAVD88
LA1549
LA1549 VERT ORDER - SECOND CLASS 0
LA1549
LA1549 The horizontal coordinates were scaled from a topographic map and have
LA1549 an estimated accuracy of +/- 6 seconds.
LA1549
LA1549 The orthometric height was determined by differential leveling
LA1549 and adjusted by the National Geodetic Survey in June 1991.
LA1549
LA1549 The geoid height was determined by GEOID93.
LA1549
LA1549 The modeled gravity was interpolated from observed gravity values.
LA1549
LA1549 STATION MARK IS A BENCH MARK DISK
LA1549 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1549 THE MARK IS STAMPED: V 217 1947
LA1549 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1549 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1549
LA1549 HISTORY - Year Condition Recov. By
LA1549 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1549

STATION DESCRIPTION

LA1549
LA1549 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1549 ABOUT 2.0 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1549 WITH STATE HIGHWAY 9 AT ALEXANDRIA, AT A GRAVEL CROSS ROAD, 55.5
LA1549 FEET NORTH OF THE CENTER LINE OF THE HIGHWAY, 21 FEET WEST OF
LA1549 THE CENTER LINE OF THE CROSSROAD, 5.5 FEET SOUTHWEST OF A FENCE
LA1549 CORNER, 2.0 FEET SOUTHEAST OF THE FENCE LINE, 1.5 FEET EAST OF A
LA1549 WHITE WOODEN WITNESS POST, 1 FOOT ABOVE THE HIGHWAY AND SET IN
LA1549 THE TOP OF A CONCRETE POST PROJECTING 3 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1550 **********

LA1550 DESIGNATION - W 217
LA1550 PID - LA1550
LA1550 STATE/COUNTY- IN/MADISON
LA1550 USGS QUAD - GASTON
LA1550
LA1550 HORZ DATUM - NAD 83
LA1550 VERT DATUM - NAVD 88
LA1550
LA1550 POSITION - 40 16 38. (N) 085 36 52. (W) SCALED
LA1550 83 minus 27 - +00. -00. NADCON
LA1550
LA1550 HEIGHT - 271.418 (meters) 890.48 (feet) ADJUST
LA1550 88 minus 29 - -0.143 ADJ UNCHK

LA1550 **********

LA1550 GEOID HEIGHT- -34.06 GEOID93
LA1550 MODELED GRAV- 980,097.3 NAVD88
LA1550
LA1550 VERT ORDER - SECOND CLASS 0
LA1550
LA1550 The horizontal coordinates were scaled from a topographic map and have
LA1550 an estimated accuracy of +/- 6 seconds.
LA1550
LA1550 The orthometric height was determined by differential leveling
LA1550 and adjusted by the National Geodetic Survey in June 1991.
LA1550
LA1550 The geoid height was determined by GEOID93.
LA1550
LA1550 The modeled gravity was interpolated from observed gravity values.
LA1550
LA1550 STATION MARK IS A BENCH MARK DISK
LA1550 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1550 THE MARK IS STAMPED: W 217 1947
LA1550 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1550 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1550
LA1550 HISTORY - Year Condition Recov. By
LA1550 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1550

STATION DESCRIPTION

LA1550
LA1550 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1550 ABOUT 3.0 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1550 WITH STATE HIGHWAY 9 AT ALEXANDRIA, AT A GRAVEL CROSS ROAD, 38
LA1550 FEET WEST OF THE CENTER LINE OF THE CROSS ROAD, 29 FEET SOUTH
LA1550 OF THE CENTER LINE OF THE HIGHWAY, 3.8 FEET WEST OF A FENCE
LA1550 CORNER, 1.2 FEET NORTH OF THE FENCE LINE, 1.5 FEET EAST OF A
LA1550 WHITE WOODEN WITNESS POST, ABOUT LEVEL WITH THE HIGHWAY AND SET
LA1550 IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1551 **********

LA1551 DESIGNATION - X 217
LA1551 PID - LA1551
LA1551 STATE/COUNTY- IN/MADISON
LA1551 USGS QUAD - GASTON
LA1551
LA1551 HORZ DATUM - NAD 83
LA1551 VERT DATUM - NAVD 88
LA1551
LA1551 POSITION - 40 16 37. (N) 085 35 43. (W) SCALED
LA1551 83 minus 27 - +00. -00. NADCON
LA1551
LA1551 HEIGHT - 273.074 (meters) 895.91 (feet) ADJUST
LA1551 88 minus 29 - -0.142 ADJ UNCHK

LA1551 **********

LA1551 GEOID HEIGHT- -34.05 GEOID93
LA1551 MODELED GRAV- 980,097.3 NAVD88
LA1551
LA1551 VERT ORDER - SECOND CLASS 0
LA1551
LA1551 The horizontal coordinates were scaled from a topographic map and have
LA1551 an estimated accuracy of +/- 6 seconds.
LA1551
LA1551 The orthometric height was determined by differential leveling
LA1551 and adjusted by the National Geodetic Survey in June 1991.
LA1551
LA1551 The geoid height was determined by GEOID93.
LA1551
LA1551 The modeled gravity was interpolated from observed gravity values.
LA1551
LA1551 STATION MARK IS A BENCH MARK DISK
LA1551 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1551 THE MARK IS STAMPED: X 217 1947
LA1551 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1551 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1551
LA1551 HISTORY - Year Condition Recov. By
LA1551 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1551

STATION DESCRIPTION

LA1551
LA1551 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1551 ABOUT 3.9 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1551 WITH STATE HIGHWAY 9 AT ALEXANDRIA, AT A GRAVEL CROSS ROAD, ABOUT
LA1551 1.0 MILE WEST OF THE MADISON-DELAWARE COUNTY LINE CROSSROAD, 42
LA1551 FEET NORTH OF THE CENTER LINE OF THE HIGHWAY, 18 FEET EAST OF
LA1551 THE CENTER LINE OF THE CROSS ROAD, 6.0 FEET SOUTHEAST OF A FENCE
LA1551 CORNER POST, 2 FEET SOUTHWEST OF THE FENCE LINE, 1 FOOT EAST OF
LA1551 A WHITE WOODEN WITNESS POST, ABOUT 1.5 FEET ABOVE THE HIGHWAY
LA1551 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1552 **********

LA1552 DESIGNATION - Y 217
LA1552 PID - LA1552
LA1552 STATE/COUNTY- IN/MADISON
LA1552 USGS QUAD - GASTON
LA1552
LA1552 HORZ DATUM - NAD 83
LA1552 VERT DATUM - NAVD 88
LA1552
LA1552 POSITION - 40 16 34. (N) 085 34 33. (W) SCALED
LA1552 83 minus 27 - +00. -00. NADCON
LA1552
LA1552 HEIGHT - 272.458 (meters) 893.89 (feet) ADJUST
LA1552 88 minus 29 - -0.141 ADJ UNCHK

LA1552 **********

LA1552 GEOID HEIGHT- -34.03 GEOID93
LA1552 MODELED GRAV- 980,097.2 NAVD88
LA1552
LA1552 VERT ORDER - SECOND CLASS 0
LA1552
LA1552 The horizontal coordinates were scaled from a topographic map and have
LA1552 an estimated accuracy of +/- 6 seconds.
LA1552
LA1552 The orthometric height was determined by differential leveling
LA1552 and adjusted by the National Geodetic Survey in June 1991.
LA1552
LA1552 The geoid height was determined by GEOID93.
LA1552
LA1552 The modeled gravity was interpolated from observed gravity values.
LA1552
LA1552 STATION MARK IS A BENCH MARK DISK
LA1552 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1552 THE MARK IS STAMPED: Y 217 1947
LA1552 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1552
LA1552 HISTORY - Year Condition Recov. By
LA1552 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1552 HISTORY - 1958 UNKNOWN - MARK NOT F NATIONAL GEODETIC SURVEY
LA1552
LA1552 STATION DESCRIPTION
LA1552
LA1552 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1552 ABOUT 4.9 MILES EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1552 WITH STATE HIGHWAY 9 AT ALEXANDRIA, AT THE DELAWARE-MADISON
LA1552 COUNTY LINE CROSS ROAD 18.5 FEET WEST OF THE CENTER LINE OF THE
LA1552 COUNTY LINE ROAD, 16 FEET SOUTH OF THE CENTER LINE OF THE
LA1552 HIGHWAY, AND SET IN THE TOP OF THE SOUTHEAST WING WALL OF A
LA1552 12-FOOT CONCRETE HIGHWAY BRIDGE, ABOUT LEVEL WITH THE HIGHWAY.
LA1552 NOTE-- THE BRIDGE HAS BEEN WIDENED AND ALL EVIDENCE INDICATES THAT
LA1552 THE MARK HAS BEEN DESTROYED.
LA1552
LA1552 STATION RECOVERY (1958)
LA1552
LA1552 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1958
LA1552 MARK NOT FOUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1569 **********

LA1569 DESIGNATION - Y 208
LA1569 PID - LA1569
LA1569 STATE/COUNTY- IN/MADISON
LA1569 USGS QUAD - ELWOOD
LA1569
LA1569 HORZ DATUM - NAD 83
LA1569 VERT DATUM - NAVD 88
LA1569
LA1569 POSITION - 40 21 51. (N) 085 51 42. (W) SCALED
LA1569 83 minus 27 - +00. -00. NADCON
LA1569
LA1569 HEIGHT - 265.077 (meters) 869.67 (feet) ADJUST
LA1569 88 minus 29 - -0.128 ADJ UNCHK

LA1569 **********

LA1569 GEOID HEIGHT- -34.30 GEOID93
LA1569 MODELED GRAV- 980,094.5 NAVD88
LA1569
LA1569 VERT ORDER - SECOND CLASS 0
LA1569
LA1569 The horizontal coordinates were scaled from a topographic map and have
LA1569 an estimated accuracy of +/- 6 seconds.
LA1569
LA1569 The orthometric height was determined by differential leveling
LA1569 and adjusted by the National Geodetic Survey in June 1991.
LA1569
LA1569 The geoid height was determined by GEOID93.
LA1569
LA1569 The modeled gravity was interpolated from observed gravity values.
LA1569
LA1569 STATION MARK IS A BENCH MARK DISK
LA1569 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1569 THE MARK IS STAMPED: Y 208 1946
LA1569 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1569 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1569
LA1569 HISTORY - Year Condition Recov. By
LA1569 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1569

STATION DESCRIPTION

LA1569
LA1569 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1569 ABOUT 0.95 MILES WEST ALONG A COUNTY ROAD FROM THE HARMONY CHRISTIAN
LA1569 CHURCH AT LEISURE, SET IN THE NORTHEAST QUARTER OF THE INTERSECTION
LA1569 OF THE TIPTON-MADISON COUNTY LINE ROAD, 128 FEET NORTHEAST AND
LA1569 ACROSS THE INTERSECTION FROM THE NORTHEAST CORNER OF A WHITE FARM
LA1569 HOUSE, 37 FEET NORTH OF THE CENTER LINE OF THE EAST-WEST ROAD,
LA1569 15 FEET EAST OF THE CENTER LINE OF THE COUNTY LINE ROAD, 13.5
LA1569 FEET NORTH OF A 10 INCH ROUND FENCE CORNER POST, 3.5 FEET SOUTH
LA1569 OF A TELEPHONE POLE, 1 FOOT WEST OF THE FENCE LINE, ABOUT 0.5
LA1569 FOOT BELOW THE INTERSECTION, AND SET IN THE TOP OF A CONCRETE
LA1569 POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1570 **********

LA1570 DESIGNATION - Z 208
LA1570 PID - LA1570
LA1570 STATE/COUNTY- IN/MADISON
LA1570 USGS QUAD - ELWOOD
LA1570
LA1570 HORZ DATUM - NAD 83
LA1570 VERT DATUM - NAVD 88
LA1570
LA1570 POSITION - 40 21 50. (N) 085 50 37. (W) SCALED
LA1570 83 minus 27 - +00. -00. NADCON
LA1570
LA1570 HEIGHT - 266.571 (meters) 874.58 (feet) ADJUST
LA1570 88 minus 29 - -0.129 ADJ UNCHK

LA1570 **********

LA1570 GEOID HEIGHT- -34.29 GEOID93
LA1570 MODELED GRAV- 980,095.0 NAVD88
LA1570
LA1570 VERT ORDER - SECOND CLASS 0
LA1570
LA1570 The horizontal coordinates were scaled from a topographic map and have
LA1570 an estimated accuracy of +/- 6 seconds.
LA1570
LA1570 The orthometric height was determined by differential leveling
LA1570 and adjusted by the National Geodetic Survey in June 1991.
LA1570
LA1570 The geoid height was determined by GEOID93.
LA1570
LA1570 The modeled gravity was interpolated from observed gravity values.
LA1570
LA1570 STATION MARK IS A BENCH MARK DISK
LA1570 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1570 THE MARK IS STAMPED: Z 208 1946
LA1570 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1570
LA1570 HISTORY - Year Condition Recov. By
LA1570 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1570
LA1570 STATION DESCRIPTION
LA1570
LA1570 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1570 AT LEISURE SET VERTICALLY IN THE NORTH FACE OF THE BRICK WALL OF
LA1570 THE NORTHWEST CORNER OF THE HARMONY CHRISTIAN CHURCH, 1 FOOT EAST
LA1570 OF THE NORTHWEST CORNER, AND ABOUT 3.0 FEET ABOVE THE GROUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1571 **********

LA1571 DESIGNATION - A 209
LA1571 PID - LA1571
LA1571 STATE/COUNTY- IN/MADISON
LA1571 USGS QUAD - ELWOOD
LA1571
LA1571 HORZ DATUM - NAD 83
LA1571 VERT DATUM - NAVD 88
LA1571
LA1571 POSITION - 40 21 49. (N) 085 49 25. (W) SCALED
LA1571 83 minus 27 - +00. -00. NADCON
LA1571
LA1571 HEIGHT - 264.432 (meters) 867.56 (feet) ADJUST
LA1571 88 minus 29 - -0.130 ADJ UNCHK

LA1571 **********

LA1571 GEOID HEIGHT- -34.27 GEOID93
LA1571 MODELED GRAV- 980,095.7 NAVD88
LA1571
LA1571 VERT ORDER - SECOND CLASS 0
LA1571
LA1571 The horizontal coordinates were scaled from a topographic map and have
LA1571 an estimated accuracy of +/- 6 seconds.
LA1571
LA1571 The orthometric height was determined by differential leveling
LA1571 and adjusted by the National Geodetic Survey in June 1991.
LA1571
LA1571 The geoid height was determined by GEOID93.
LA1571
LA1571 The modeled gravity was interpolated from observed gravity values.
LA1571
LA1571 STATION MARK IS A BENCH MARK DISK
LA1571 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1571 THE MARK IS STAMPED: A 209 1946
LA1571 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1571 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1571
LA1571 HISTORY - Year Condition Recov. By
LA1571 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1571

STATION DESCRIPTION

LA1571
LA1571 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1571 ABOUT 1.1 MILES EAST ALONG A COUNTY ROAD FROM A HARMONY CHRISTIAN
LA1571 CHURCH AT LEISURE, SET IN THE SOUTHWEST QUARTER OF THE INTERSECTION
LA1571 OF A NORTH-SOUTH CROSS ROAD, 40 FEET SOUTHWEST AND ACROSS THE
LA1571 NORTH-SOUTH ROAD FROM THE SOUTH END OF A 36 INCH PIPE CULVERT
LA1571 UNDER THE EAST-WEST ROAD, 36 FEET SOUTH OF THE CENTER LINE OF THE
LA1571 EAST-WEST ROAD, 13 FEET WEST OF THE CENTER LINE OF THE NORTH-SOUTH
LA1571 ROAD, ABOUT 0.5 FOOT BELOW THE INTERSECTION, AND SET IN THE TOP OF
LA1571 A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1572 **********
LA1572 DESIGNATION - B 209
LA1572 PID - LA1572
LA1572 STATE/COUNTY- IN/MADISON
LA1572 USGS QUAD - ELWOOD
LA1572
LA1572 HORZ DATUM - NAD 83
LA1572 VERT DATUM - NAVD 88
LA1572
LA1572 POSITION - 40 21 51. (N) 085 48 15. (W) SCALED
LA1572 83 minus 27 - +00. -00. NADCON
LA1572
LA1572 HEIGHT - 266.480 (meters) 874.28 (feet) ADJUST
LA1572 88 minus 29 - -0.131 ADJ UNCHK
LA1572 **********
LA1572 GEOID HEIGHT- -34.25 GEOID93
LA1572 MODELED GRAV- 980,096.4 NAVD88
LA1572
LA1572 VERT ORDER - SECOND CLASS 0
LA1572
LA1572 The horizontal coordinates were scaled from a topographic map and have
LA1572 an estimated accuracy of +/- 6 seconds.
LA1572
LA1572 The orthometric height was determined by differential leveling
LA1572 and adjusted by the National Geodetic Survey in June 1991.
LA1572
LA1572 The geoid height was determined by GEOID93.
LA1572
LA1572 The modeled gravity was interpolated from observed gravity values.
LA1572
LA1572 STATION MARK IS A BENCH MARK DISK
LA1572 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1572 THE MARK IS STAMPED: B 209 1946
LA1572 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1572 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1572
LA1572 HISTORY - Year Condition Recov. By
LA1572 HISTORY - 1946 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1572

STATION DESCRIPTION

LA1572
LA1572 DESCRIBED BY COAST AND GEODETIC SURVEY 1946
LA1572 ABOUT 2.15 MILES EAST ALONG A GRAVEL ROAD FROM THE HARMONY CHRISTIAN
LA1572 CHURCH AT LEISURE, AT A NORTH-SOUTH GRAVEL CROSS ROAD AND AN OLD
LA1572 ABANDONED SCHOOL IN THE NORTHEAST QUARTER OF THE INTERSECTION,
LA1572 57 FEET SOUTH AND ACROSS THE EAST-WEST ROAD FROM THE SOUTHWEST
LA1572 CORNER OF THE SCHOOL, 37 FEET EAST OF THE CENTER LINE OF THE
LA1572 NORTH-SOUTH ROAD, 15 FEET SOUTH OF THE CENTER LINE OF THE EAST-WEST
LA1572 ROAD, 1 FOOT NORTH OF THE RIGHT-OF-WAY FENCE, 21 FEET EAST OF THE
LA1572 FENCE CORNER POST, ABOUT LEVEL WITH THE INTERSECTION, AND SET IN
LA1572 THE TOP OF A CONCRETE POST PROJECTING 6 INCHES. NOTE-- MARK MAY
LA1572 BE REACHED FROM THE METHODIST CHURCH AT RIGDON BY GOING ABOUT 0.95
LA1572 MILE SOUTH ALONG STATE HIGHWAY 37 THENCE ABOUT 1.0 MILE WEST ALONG
LA1572 A GRAVEL ROAD.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1573 **********

LA1573 DESIGNATION - F 236
LA1573 PID - LA1573
LA1573 STATE/COUNTY- IN/MADISON
LA1573 USGS QUAD - LAPEL
LA1573
LA1573 HORZ DATUM - NAD 83
LA1573 VERT DATUM - NAVD 88
LA1573
LA1573 POSITION - 40 00 08. (N) 085 50 34. (W) SCALED
LA1573 83 minus 27 - +00. -00. NADCON
LA1573
LA1573 HEIGHT - 262.741 (meters) 862.01 (feet) ADJUST
LA1573 88 minus 29 - -0.132 ADJ UNCHK

LA1573 **********

LA1573 GEOID HEIGHT- -34.04 GEOID93
LA1573 MODELED GRAV- 980,067.9 NAVD88
LA1573
LA1573 VERT ORDER - SECOND CLASS 0
LA1573
LA1573 The horizontal coordinates were scaled from a topographic map and have
LA1573 an estimated accuracy of +/- 6 seconds.
LA1573
LA1573 The orthometric height was determined by differential leveling
LA1573 and adjusted by the National Geodetic Survey in June 1991.
LA1573
LA1573 The geoid height was determined by GEOID93.
LA1573
LA1573 The modeled gravity was interpolated from observed gravity values.
LA1573
LA1573 STATION MARK IS A BENCH MARK DISK
LA1573 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1573 THE MARK IS STAMPED: F 236 1947
LA1573 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1573 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1573
LA1573 HISTORY - Year Condition Recov. By
LA1573 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1573

STATION DESCRIPTION

LA1573
LA1573 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1573 ABOUT 5.1 MILES NORTH ALONG STATE HIGHWAY 13 FROM THE JUNCTION
LA1573 OF STATE HIGHWAY 238 AT FORTVILLE, ABOUT 1.05 MILE NORTH OF CENTER
LA1573 SCHOOL, 1.2 MILES SOUTH OF THE INTERSECTION OF STATE HIGHWAY 38,
LA1573 AT AN EAST-WEST GRAVEL CROSS ROAD, 49 FEET NORTH OF THE CENTER LINE
LA1573 OF THE CROSS ROAD, 28.5 FEET WEST OF THE CENTER LINE OF THE HIGHWAY,
LA1573 35 FEET NORTH OF POWER POLE 64-658, 32.5 FEET NORTH OF A FENCE
LA1573 CORNER, 1.5 FEET EAST OF THE FENCE LINE, ABOUT LEVEL WITH THE
LA1573 HIGHWAY AND SET IN THE TOP OF A CONCRETE POST PROJECTING 5 INCHES.
LA1573 NOTE-- MARK IS ABOUT 4.25 MILES SOUTH OF THE JUNCTION OF STATE
LA1573 HIGHWAY 132 AT LAPEL.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1575 **********

LA1575 DESIGNATION - D 236
LA1575 PID - LA1575
LA1575 STATE/COUNTY- IN/MADISON
LA1575 USGS QUAD - LAPEL
LA1575
LA1575 HORZ DATUM - NAD 83
LA1575 VERT DATUM - NAVD 88
LA1575
LA1575 POSITION - 40 01 54. (N) 085 50 35. (W) SCALED
LA1575 83 minus 27 - +00. -00. NADCON
LA1575
LA1575 HEIGHT - 261.252 (meters) 857.12 (feet) ADJUST
LA1575 88 minus 29 - -0.132 ADJ UNCHK

LA1575 **********

LA1575 GEOID HEIGHT- -34.05 GEOID93
LA1575 MODELED GRAV- 980,071.7 NAVD88
LA1575
LA1575 VERT ORDER - SECOND CLASS 0
LA1575
LA1575 The horizontal coordinates were scaled from a topographic map and have
LA1575 an estimated accuracy of +/- 6 seconds.
LA1575
LA1575 The orthometric height was determined by differential leveling
LA1575 and adjusted by the National Geodetic Survey in June 1991.
LA1575
LA1575 The geoid height was determined by GEOID93.
LA1575
LA1575 The modeled gravity was interpolated from observed gravity values.
LA1575
LA1575 STATION MARK IS A BENCH MARK DISK
LA1575 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1575 THE MARK IS STAMPED: D 236 1947
LA1575 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1575 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1575

LA1575 HISTORY	- Year Condition	Recov. By
LA1575 HISTORY	- 1947 STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA1575 HISTORY	- 1974 POOR	LOCAL SURVEYOR

LA1575
LA1575 STATION DESCRIPTION
LA1575
LA1575 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1575 ABOUT 2.25 MILES SOUTH ALONG STATE HIGHWAY 13 FROM ITS JUNCTION
LA1575 WITH STATE HIGHWAY 132 AT LAPEL, ABOUT 0.8 MILE NORTH OF THE
LA1575 INTERSECTION OF STATE HIGHWAY 38, AT AN EAST-WEST GRAVEL CROSS ROAD,
LA1575 28 FEET WEST OF THE CENTER LINE OF THE HIGHWAY, 45 FEET NORTH
LA1575 OF THE CENTER LINE OF THE CROSS ROAD, 27.5 FEET NORTH OF A FENCE
LA1575 CORNER, 1.3 FEET EAST OF THE FENCE LINE, 2 FEET SOUTH OF A WHITE
LA1575 WOODEN WITNESS POST, ABOUT LEVEL WITH THE HIGHWAY AND SET IN
LA1575 THE TOP OF A CONCRETE POST PROJECTING 4 INCHES. NOTE-- DISC
LA1575 IN CONCRETE POST. CONCRETE POST TIPPED, ASSUME BY FARM MACHINERY
LA1575 OR IN THE REMOVAL OF FENCE LINE.
LA1575
LA1575 STATION RECOVERY (1974)
LA1575
LA1575 RECOVERY NOTE BY LOCAL SURVEYOR (INDIVIDUAL OR FIRM) 1974
LA1575 MARK RECOVERED IN POOR CONDITION.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1576 **********

LA1576 DESIGNATION - C 236
LA1576 PID - LA1576
LA1576 STATE/COUNTY- IN/MADISON
LA1576 USGS QUAD - LAPEL
LA1576
LA1576 HORZ DATUM - NAD 83
LA1576 VERT DATUM - NAVD 88
LA1576
LA1576 POSITION - 40 02 44. (N) 085 50 35. (W) SCALED
LA1576 83 minus 27 - +00. -00. NADCON
LA1576
LA1576 HEIGHT - 264.321 (meters) 867.19 (feet) ADJUST
LA1576 88 minus 29 - -0.132 ADJ UNCHK

LA1576 **********

LA1576 GEOID HEIGHT- -34.06 GEOID93
LA1576 MODELED GRAV- 980,073.5 NAVD88
LA1576
LA1576 VERT ORDER - SECOND CLASS 0
LA1576
LA1576 The horizontal coordinates were scaled from a topographic map and have
LA1576 an estimated accuracy of +/- 6 seconds.
LA1576
LA1576 The orthometric height was determined by differential leveling
LA1576 and adjusted by the National Geodetic Survey in June 1991.
LA1576
LA1576 The geoid height was determined by GEOID93.
LA1576
LA1576 The modeled gravity was interpolated from observed gravity values.
LA1576
LA1576 STATION MARK IS A BENCH MARK DISK
LA1576 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1576 THE MARK IS STAMPED: C 236 1947
LA1576 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1576 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1576
LA1576 HISTORY - Year Condition Recov. By
LA1576 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1576

STATION DESCRIPTION

LA1576
LA1576 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1576 ABOUT 1.25 MILES SOUTH ALONG STATE HIGHWAY 13 FROM ITS JUNCTION
LA1576 WITH STATE HIGHWAY 132 AT LAPEL, AT A CORRECTION JOG IN THE HIGHWAY
LA1576 (THE SOUTH TANGENT BEING FARTHER EAST), AND AN EAST-WEST CROSS
LA1576 ROAD, 16 FEET NORTH OF THE CENTER LINE OF THE CROSS ROAD, 37 FEET
LA1576 NORTHEAST OF THE CENTER LINE OF THE HIGHWAY, 1.8 FEET WEST OF A
LA1576 FENCE CORNER, 18 FEET SOUTH OF A TELEPHONE POLE, 1.5 FEET SOUTH
LA1576 OF A WHITE WOODEN WITNESS POST, ABOUT LEVEL WITH THE HIGHWAY AND
LA1576 SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1577 **********

LA1577 DESIGNATION - B 236
LA1577 PID - LA1577
LA1577 STATE/COUNTY- IN/MADISON
LA1577 USGS QUAD - LAPEL
LA1577
LA1577 HORZ DATUM - NAD 83
LA1577 VERT DATUM - NAVD 88
LA1577
LA1577 POSITION - 40 03 36. (N) 085 50 37. (W) SCALED
LA1577 83 minus 27 - +00. -00. NADCON
LA1577
LA1577 HEIGHT - 263.808 (meters) 865.51 (feet) ADJUST
LA1577 88 minus 29 - -0.132 ADJ UNCHK

LA1577 **********

LA1577 GEOID HEIGHT- -34.07 GEOID93
LA1577 MODELED GRAV- 980,075.3 NAVD88
LA1577
LA1577 VERT ORDER - SECOND CLASS 0
LA1577
LA1577 The horizontal coordinates were scaled from a topographic map and have
LA1577 an estimated accuracy of +/- 6 seconds.
LA1577
LA1577 The orthometric height was determined by differential leveling
LA1577 and adjusted by the National Geodetic Survey in June 1991.
LA1577
LA1577 The geoid height was determined by GEOID93.
LA1577
LA1577 The modeled gravity was interpolated from observed gravity values.
LA1577
LA1577 STATION MARK IS A BENCH MARK DISK
LA1577 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1577 THE MARK IS STAMPED: B 236 1947
LA1577 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1577 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1577
LA1577 HISTORY - Year Condition Recov. By
LA1577 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1577

STATION DESCRIPTION

LA1577
LA1577 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
LA1577 ABOUT 0.25 MILE SOUTH ALONG STATE HIGHWAY 13 FROM ITS JUNCTION
LA1577 WITH STATE HIGHWAY 132 AT LAPEL, AT AN EAST-WEST CROSS ROAD, 30
LA1577 FEET WEST OF THE CENTER LINE OF THE HIGHWAY, 30 FEET NORTH OF
LA1577 THE CENTER LINE OF THE CROSS ROAD, 5 FEET SOUTH OF POWER POLE
LA1577 NO. 812/1818, 16 FEET NORTH OF A FENCE CORNER, 2 FEET EAST OF THE
LA1577 FENCE LINE, 1.5 FEET NORTH OF A WHITE WOODEN WITNESS POST, ABOUT
LA1577 LEVEL WITH THE HIGHWAY AND SET IN THE TOP OF A CONCRETE POST
LA1577 PROJECTING 4 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2113 **********

LA2113 DESIGNATION - ALEXANDRIA MUNICIPAL STANDPIPE
LA2113 PID - LA2113
LA2113 STATE/COUNTY- IN/MADISON
LA2113 USGS QUAD - ALEXANDRIA
LA2113
LA2113 HORZ DATUM - NAD 83
LA2113 VERT DATUM - N/A
LA2113
LA2113 POSITION - 40 15 24.93269(N) 085 40 30.38537(W) ADJUSTED
LA2113 83 minus 27 - +00.14569 -00.08763 ADJUSTED
LA2113
LA2113 HEIGHT -

LA2113 **********

LA2113 HORZ ORDER - THIRD
LA2113
LA2113 The horizontal position was established by classical geodetic methods
LA2113 and adjusted by the National Geodetic Survey in July 1986.
LA2113

		North	East	Scale	Converg.	
LA2113 SPC IN E	-	556,045.011	99,281.976	0.99996667	-0 00 19.6	MT
LA2113 UTM 16	-	4,457,115.984	612,669.145	0.99975627	+0 51 22.5	MT

LA2113
LA2113 THE LANDMARK IS A STANDPIPE TANK
LA2113
LA2113 HISTORY - Year Condition Recov. By
LA2113 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2113
LA2113 STATION DESCRIPTION
LA2113
LA2113 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2113 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2114 **********
LA2114 DESIGNATION - ALEXANDRIA ALLADIN INDUST TANK
LA2114 PID - LA2114
LA2114 STATE/COUNTY- IN/MADISON
LA2114 USGS QUAD - ALEXANDRIA
LA2114
LA2114 HORZ DATUM - NAD 83
LA2114 VERT DATUM - N/A
LA2114
LA2114 POSITION - 40 15 42.66189(N) 085 41 07.93028(W) ADJUSTED
LA2114 83 minus 27 - +00.14389 -00.08672 ADJUSTED
LA2114
LA2114 HEIGHT -
LA2114 **********
LA2114 HORZ ORDER - THIRD
LA2114
LA2114 The horizontal position was established by classical geodetic methods
LA2114 and adjusted by the National Geodetic Survey in July 1986.
LA2114

		North	East	Scale	Converg.	
LA2114 SPC IN E	-	556,591.974	98,394.884	0.99996670	-0 00 43.9	MT
LA2114 UTM 16	-	4,457,649.431	611,774.117	0.99975379	+0 50 58.6	MT

LA2114
LA2114 THE LANDMARK IS A TANK
LA2114
LA2114 HISTORY - Year Condition Recov. By
LA2114 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2114
LA2114 STATION DESCRIPTION
LA2114
LA2114 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2114 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2115 **********

LA2115 DESIGNATION - QUINN
LA2115 PID - LA2115
LA2115 STATE/COUNTY- IN/MADISON
LA2115 USGS QUAD - ALEXANDRIA
LA2115
LA2115 HORZ DATUM - NAD 83
LA2115 VERT DATUM - NGVD 29
LA2115
LA2115 POSITION - 40 19 39.94097(N) 085 39 54.31476(W) ADJUSTED
LA2115 83 minus 27 - +00.13757 -00.08674 ADJUSTED
LA2115
LA2115 HEIGHT - 275. (meters) 902. (feet) SCALED
LA2115 88 minus 29 - -0. VERTCON

LA2115 **********

LA2115 LAPLACE CORR- 1.59 DEFLEC93
LA2115 GEOID HEIGHT- -34.11 GEOID93
LA2115
LA2115 HORZ ORDER - FIRST
LA2115
LA2115 The horizontal position was established by classical geodetic methods
LA2115 and adjusted by the National Geodetic Survey in July 1986.
LA2115
LA2115 The orthometric height was scaled from a topographic map.
LA2115
LA2115 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2115
LA2115 The geoid height was determined by GEOID93.
LA2115

		North	East	Scale	Converg.	
SPC IN E	-	563,910.322	100,134.205	0.99996667	+0 00 03.7	MT
UTM 16	-	4,464,991.581	613,402.750	0.99975830	+0 51 50.4	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	QUINN AZ MK	297 01 16.4
UTM 16	-	QUINN AZ MK	296 09 29.7

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2122	FAIRMOUNT MUNICIPAL TANK	APPROX. 9.8 KM	0060627.7
LA2103	UPLAND TAYLOR U ADMIN BLDG TWR	APPROX.20.4 KM	0444819.9
LA2116	SUMMITVILLE MUNICIPAL TANK	APPROX. 2.3 KM	0512731.9
	QUINN RM 1	34.156 METERS	18042
	QUINN RM 2	39.959 METERS	28649
	QUINN AZ MK		2970120.1

	Year	Condition	Recov. By
HISTORY	1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
HISTORY	1948	GOOD	COAST AND GEODETIC SURVEY
HISTORY	1955	GOOD	COAST AND GEODETIC SURVEY

STATION DESCRIPTION

LA2115 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA2115 ABOUT 4.5 MILES
LA2115 NORTH OF
LA2115 ALEXANDRIA, 2 MILES SOUTHWEST OF SUMMITVILLE, IN A SMALL

LA2115 HOG LOT OWNED BY MARTHA
LA2115 QUINN, 0.35 MILE EAST OF STATE HIGHWAY 9,
LA2115 ON THE SOUTH SIDE OF A GRAVEL CROSS ROAD,
LA2115 112 FEET EAST OF THE
LA2115 NORTHEAST CORNER OF THE BARN, 129 FEET SOUTH OF THE SOUTH
LA2115 RIGHT-OF-WAY FENCE
LA2115 OF THE GRAVEL ROAD, 22 FEET WEST OF THE EAST PASTURE
LA2115 FENCE, AND IS SET 14 INCHES UNDERGROUND.
LA2115
LA2115 TO REACH FROM THE INTERSECTION OF STATE HIGHWAYS 9 AND 28
LA2115 1 MILE NORTH OF
LA2115 ALEXANDRIA, GO NORTH ON STATE HIGHWAY 9 FOR 3.5
LA2115 MILES, THEN EAST ON GRAVEL CROSS
LA2115 ROAD 0.35 MILE TO THE STATION.
LA2115
LA2115 SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD
LA2115 BRONZE DISKS IN CONCRETE.
LA2115
LA2115 REFERENCE MARK NO. 1 IS SOUTH OF THE STATION, IN THE SOUTH
LA2115 LANE FENCE, 5 FEET
LA2115 WEST OF THE NORTHEAST CORNER OF A FIELD, 194.72
LA2115 FEET SOUTHEAST OF REFERENCE MARK NO.
LA2115 2, AND PROJECTS 5 INCHES.
LA2115 REFERENCE MARK NO. 2 IS WEST OF THE STATION, IN THE
LA2115 WEST FENCE OF
LA2115 THE HOG LOT, 57 FEET NORTH OF THE NORTHEAST CORNER OF THE BARN,
LA2115 AND PROJECTS 5 INCHES.
LA2115
LA2115 AZIMUTH MARK IS WEST-NORTHWEST OF THE STATION, 0.15 MILE NORTH
LA2115 OF THE GRAVEL
LA2115 ROAD, IN THE SOUTH FENCE OF A GARDEN PLOT, 100 FEET
LA2115 SOUTH OF THE FIRST HOUSE NORTH
LA2115 OF THE GRAVEL ROAD, 53 FEET EAST OF
LA2115 THE CENTER LINE OF STATE HIGHWAY 9, AND PROJECTS 5 INCHES.
LA2115
LA2115 NO SUITABLE OBJECTS VISIBLE FROM THE GROUND.
LA2115
LA2115 90-FOOT TOWER WILL CLEAR ALL LINES.
LA2115
LA2115
LA2115 STATION RECOVERY (1948)
LA2115
LA2115 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (RCB)
LA2115 STATION WAS RECOVERED AS DESCRIBED AND ALL
LA2115 MARKS WERE FOUND
LA2115 TO BE IN GOOD CONDITION. SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH
LA2115 MARKS ARE STANDARD BRONZE DISKS SET IN CONCRETE.
LA2115 MEASUREMENTS TO ALL MARKS CHECKED AND DIRECTION TO
LA2115 REFERENCE MARKS ALSO CHECKED. OLD
LA2115 DESCRIPTION WAS CHECKED AND FOUND TO BE ADEQUATE.
LA2115
LA2115 HEIGHT OF LIGHT ABOVE STATION- 30 METERS.
LA2115
LA2115
LA2115 STATION RECOVERY (1955)
LA2115
LA2115 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1955 (JSB)
LA2115 THE STATION MARK AND REFERENCE MARKS WERE RECOVERED IN GOOD
LA2115 CONDITION.
LA2115

LA2115 THE STATION IS LOCATED 3.5 MILES NORTH OF THE JUNCTION OF
LA2115 STATE HIGHWAYS 9
LA2115 AND 28, WHICH 1.0 MILE NORTH OF ALEXANDRIA, 6.5
LA2115 MILES SOUTH OF THE JUNCTION OF
LA2115 STATE HIGHWAYS 9 AND 26, 0.3 MILE
LA2115 EAST OF STATE HIGHWAY 9, ON SOUTH SIDE OF A
LA2115 GRAVEL ROAD, AT EAST
LA2115 SIDE OF A HOG LOT OWNED BY MRS. QUINN (WHOSE TENANT HOUSE IS
LA2115 ABOUT 75 YARDS
LA2115 WEST OF STATION), 129.0 FEET SOUTH OF THE SOUTH RIGHT-OF-WAY
LA2115 FENCE OF THE ROAD ALONG
LA2115 NORTH SIDE OF HOG LOT, 147.7 FEET SOUTH
LA2115 OF CENTER LINE OF GRAVEL ROAD, 112.0 FEET
LA2115 EAST OF SOUTH-EAST CORNER
LA2115 OF BARN, 22.0 FEET WEST OF FENCE ALONG EAST SIDE OF PASTURE,
LA2115 AND 14 INCHES
LA2115 BELOW THE SURFACE.
LA2115
LA2115 REACHED FROM THE SOUTH AS DESCRIBED ABOVE.
LA2115
LA2115 TO REACH FROM THE NORTH, GO TO THE JUNCTION OF STATE HIGHWAYS
LA2115 9 AND 26, THERE GO
LA2115 SOUTH ON STATE HIGHWAY 9 FOR 6.5 MILES TO
LA2115 A GRAVEL CROSS ROAD, THEN EAST 0.3
LA2115 MILE TO MRS. QUINNS TENANT
LA2115 HOUSE AND STATION ON SOUTH SIDE OF ROAD.
LA2115
LA2115 REFERENCE MARK NO. 1 IS DISTANT 112.2 FEET, BEARING 179 DEG
LA2115 (MAGNETIC).
LA2115 REFERENCE MARK NO. 2 IS DISTANT 131.1 FEET, BEARING
LA2115 285 DEG (MAGNETIC). BOTH
LA2115 REFERENCE MARKS ARE STANDARD BRONZE DISKS
LA2115 SET IN CONCRETE, AND PROJECT 5 INCHES.
LA2115
LA2115 ALL MARKS WERE RECOVERED AND FOUND TO BE IN GOOD CONDITION. TWO
LA2115 DESCREPANCIES WERE NOTED- THE
LA2115 DISTANCE FROM THE NORTHEAST CORNER OF THE BARN TO THE STATION WAS
LA2115 FOUND TO BE 123 FEET, AND THE AZIMUTH
LA2115 MARK WAS FOUND TO BE 56 FEET EAST OF THE CENTER OF THE HIGHWAY.
LA2115 THE ORIGINAL DESCRIPTION IS CORRECT AND ADEQUATE.
LA2115
LA2115 HEIGHT OF LIGHT PLATE- 34 METERS.
LA2115

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2116 **********
LA2116 DESIGNATION - SUMMITVILLE MUNICIPAL TANK
LA2116 PID - LA2116
LA2116 STATE/COUNTY- IN/MADISON
LA2116 USGS QUAD - ALEXANDRIA
LA2116
LA2116 HORZ DATUM - NAD 83
LA2116 VERT DATUM - N/A
LA2116
LA2116 POSITION - 40 20 26.29064(N) 085 38 38.26559(W) ADJUSTED
LA2116 83 minus 27 - +00.13664 -00.08641 ADJUSTED
LA2116
LA2116 HEIGHT -
LA2116 **********
LA2116 HORZ ORDER - THIRD
LA2116
LA2116 The horizontal position was established by classical geodetic methods
LA2116 and adjusted by the National Geodetic Survey in July 1986.
LA2116

		North	East	Scale	Converg.	
LA2116 SPC IN E	-	565,340.164	101,929.050	0.99996671	+0 00 52.9	MT
LA2116 UTM 16	-	4,466,447.997	615,175.488	0.99976329	+0 52 40.4	MT

LA2116
LA2116 THE LANDMARK IS A TANK
LA2116

LA2116 HISTORY	- Year	Condition	Recov. By
LA2116 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA2116 HISTORY	- 1955	GOOD	COAST AND GEODETIC SURVEY

LA2116
LA2116 STATION DESCRIPTION
LA2116
LA2116 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA2116
LA2116
LA2116 STATION RECOVERY (1955)
LA2116
LA2116 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1955 (WFD)
LA2116 THE STATION WAS RECOVERED IN GOOD CONDITION.
LA2116

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2117 **********

LA2117 DESIGNATION - ALEXANDRIA MUNICIPAL TANK
LA2117 PID - LA2117
LA2117 STATE/COUNTY- IN/MADISON
LA2117 USGS QUAD - ALEXANDRIA
LA2117
LA2117 HORZ DATUM - NAD 83
LA2117 VERT DATUM - N/A
LA2117
LA2117 POSITION - 40 16 23.00970(N) 085 40 58.27790(W) ADJUSTED
LA2117 83 minus 27 - +00.14310 -00.08591 ADJUSTED
LA2117
LA2117 HEIGHT -

LA2117 **********

LA2117 HORZ ORDER - THIRD
LA2117
LA2117 The horizontal position was established by classical geodetic methods
LA2117 and adjusted by the National Geodetic Survey in July 1986.
LA2117

		North	East	Scale	Converg.	
LA2117 SPC IN E	-	557,836.391	98,623.186	0.99996669	-0 00 37.7	MT
LA2117 UTM 16	-	4,458,896.876	611,983.629	0.99975437	+0 51 05.5	MT

LA2117
LA2117 HISTORY - Year Condition Recov. By
LA2117 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2117

STATION DESCRIPTION

LA2117
LA2117 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2117 ALEXANDRIA MUNICIPAL WATER TANK IS LOCATED IN THE NORTH PART OF
LA2117 ALEXANDRIA, ABOUT 0.3 MILE SOUTH OF STATE HIGHWAY 28 IN THE PART
LA2117 OF AN OPEN FIELD.
LA2117
LA2117 THE STATION IS THE CAP ATOP THE 6 LEGGED, OVAL STEEL TANK,
LA2117 WHICH IS PAINTED SILVER AND HAS AN OVERALL HEIGHT OF ABOUT 125
LA2117 FEET. THE LETTERS ALEXANDRIA ARE PAINTED IN BLACK LETTERS ON THE
LA2117 NORTH AND SOUTH SIDE.
LA2117

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2118 ***
LA2118 DESIGNATION - RIGDON
LA2118 PID - LA2118
LA2118 STATE/COUNTY- IN/MADISON
LA2118 USGS QUAD - FAIRMOUNT
LA2118
LA2118 HORZ DATUM - NAD 83
LA2118 VERT DATUM - NGVD 29
LA2118
LA2118 POSITION - 40 22 45.48847(N) 085 40 18.46090(W) ADJUSTED
LA2118 83 minus 27 - +00.13837 -00.08430 ADJUSTED
LA2118
LA2118 HEIGHT - 271. (meters) 889. (feet) SCALED
LA2118 88 minus 29 - -0. VERTCON
LA2118 ***
LA2118 LAPLACE CORR- 1.44 DEFLEC93
LA2118 GEOID HEIGHT- -34.15 GEOID93
LA2118
LA2118 HORZ ORDER - THIRD
LA2118
LA2118 The horizontal position was established by classical geodetic methods
LA2118 and adjusted by the National Geodetic Survey in July 1986.
LA2118
LA2118 The orthometric height was scaled from a topographic map.
LA2118
LA2118 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2118
LA2118 The geoid height was determined by GEOID93.
LA2118

		North	East	Scale	Converg.	
LA2118 SPC IN E	-	569,633.326	99,564.545	0.99996667	-0 00 12.0	MT
LA2118 UTM 16	-	4,470,704.156	612,747.052	0.99975648	+0 51 38.0	MT

LA2118

		Primary Azimuth Mark	Grid Az
LA2118 SPC IN E	-	RIGDON AZ MK	003 15 09.9
LA2118 UTM 16	-	RIGDON AZ MK	002 23 19.9

LA2118

LA2118 Pid	Reference Object	Distance	Geod. AZ
			dddmmss.s
	RIGDON AZ MK		0031457.9
	RIGDON RM 1	23.577 METERS	09013
	RIGDON RM 2	26.095 METERS	18609

LA2118

LA2118 HISTORY	- Year	Condition	Recov. By
LA2118 HISTORY	- 1955	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA2118 HISTORY	- 1977	GOOD	NATIONAL GEODETIC SURVEY

LA2118

LA2118 STATION DESCRIPTION

LA2118

LA2118 DESCRIBED BY COAST AND GEODETIC SURVEY 1955 (WFD)
LA2118 THE STATION IS ABOUT 3 MILES SOUTHWEST OF FAIRMOUNT, ON LAND OWNED BY
LA2118 THE STATE. IT IS 79 FEET
LA2118 SOUTH OF THE CENTER OF A GRAVELED ROAD, 40 FEET WEST OF THE CENTER OF
LA2118 STATE HIGHWAY 9, 11 FEET EAST OF
LA2118 A FENCE AND 10 FEET EAST OF A 4 X 4 INCH WHITE WITNESS
LA2118 POST.
LA2118

LA2118 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 9 AND 26, 1
LA2118 MILE WEST OF FAIRMOUNT, GO
LA2118 SOUTH ON HIGHWAY 9 FOR 2.7 MILES TO THE AZIMUTH MARK ON THE LEFT,
LA2118 CONTINUE SOUTH FOR 0.3 MILE TO THE
LA2118 STATION ON THE RIGHT.
LA2118
LA2118 THE STATION MARK IS FLUSH WITH THE GROUND, AND THE DISK IS STAMPED
LA2118 RIGDON 1955.
LA2118
LA2118 REFERENCE MARK 1 IS 2 FEET WEST OF A TELEPHONE POLE AND 38 FEET EAST
LA2118 OF THE CENTER OF THE HIGHWAY.
LA2118 THE MARK PROJECTS 6 INCHES, AND THE DISK IS STAMPED RIGDON NO 1 1955.
LA2118
LA2118 REFERENCE MARK 2 IS 50 FEET WEST OF THE CENTER OF THE HIGHWAY AND 1
LA2118 FOOT EAST OF A FENCE. THE
LA2118 MARK PROJECTS 6 INCHES, AND THE DISK IS STAMPED RIGDON NO 2 1955.
LA2118
LA2118 THE AZIMUTH MARK IS 50 FEET EAST OF THE CENTER OF THE HIGHWAY, 10
LA2118 FEET SOUTH OF A TELEPHONE POLE
LA2118 AND 1 FOOT WEST OF A FENCE. THE MARK PROJECTS 6 INCHES, AND THE DISK
LA2118 IS STAMPED RIGDON 1955.
LA2118
LA2118 HEIGHT OF LIGHT ABOVE STATION MARK 30 METERS.
LA2118
LA2118
LA2118 STATION RECOVERY (1977)
LA2118
LA2118 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1977 (CLN)
LA2118 FENCE AND TREE ON LINE RM 2 TO RM 3.
LA2118
LA2118 STATION MARK, REFERENCE MARK 2 AND THE AZIMUTH MARK FOUND IN GOOD
LA2118 CONDITION AND AS DESCRIBED. REFERENCE MARK 1 WAS NOT FOUND AND
LA2118 ASSUMED DESTROYED BY PARKING LOT CONSTRUCTION TO RESTAURANT. THE
LA2118 AZIMUTH MARK WAS NOT VISIBLE AT THIS TIME AS A LARGE SCHOOL SIGN
LA2118 OBSTRUCTS IT. REFERENCE MARK 3 WAS SET. THE DISTANCE TO
LA2118 REFERENCE MARK 2 WAS SHORTER BY 0.02 FOOT. THE DESCRIPTION IS
LA2118 ADEQUATE WITH THE ADDITION BELOW.
LA2118
LA2118 THE STATION IS 79 FEET SOUTH OF THE GRANT-MADISON COUNTY LINE, 30
LA2118 FEET SOUTHEAST OF A METAL WITNESS POST, 23 FEET SOUTHEAST OF A 18
LA2118 INCH WILD CHERRY TREE.
LA2118
LA2118 THE AZIMUTH MARK IS ON THE EAST SIDE OF STATE HIGHWAY 9 AND ACROSS
LA2118 THE HIGHWAY FROM THE NEW MADISON- GRANT HIGH SCHOOL AND 1 FOOT SOUTH
LA2118 OF A METAL WITNESS POST.
LA2118
LA2118 REFERENCE MARK 3 IS 51 FEET SOUTH OF THE CENTERLINE OF THE COUNTY
LA2118 LINE ROAD, 50 FEET WEST OF THE CENTERLINE OF THE HIGHWAY, 7.3 FEET
LA2118 NORTH OF THE WILD CHERRY TREE AND 1 FOOT NORTH OF THE METAL WITNESS
LA2118 POST. THE MONUMENT PROJECTS 1 INCH AND THE DISK STAMPED RIGDON
LA2118 1955 NO 3 1977.
LA2118
LA2118 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN--3 MILES SOUTHWEST
LA2118 OF FAIRMOUNT.
LA2118
LA2118 HEIGHT OF LIGHT ABOVE STATION MARK 5 FEET.
LA2118

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2129 **********
LA2129 DESIGNATION - CHESTERFIELD MUNICIPAL TANK
LA2129 PID - LA2129
LA2129 STATE/COUNTY- IN/MADISON
LA2129 USGS QUAD - MIDDLETOWN
LA2129
LA2129 HORZ DATUM - NAD 83
LA2129 VERT DATUM - N/A
LA2129
LA2129 POSITION - 40 06 33.72788(N) 085 35 54.09290(W) ADJUSTED
LA2129 83 minus 27 - +00.15888 -00.10110 ADJUSTED
LA2129
LA2129 HEIGHT -
LA2129 **********
LA2129 HORZ ORDER - THIRD
LA2129
LA2129 The horizontal position was established by classical geodetic methods
LA2129 and adjusted by the National Geodetic Survey in July 1986.
LA2129

		North	East	Scale	Converg.	
LA2129 SPC IN E	-	539,663.314	105,823.533	0.99996708	+0 02 38.4	MT
LA2129 UTM 16	-	4,440,837.636	619,454.595	0.99977566	+0 54 11.2	MT

LA2129
LA2129 THE LANDMARK IS A TANK
LA2129
LA2129 HISTORY - Year Condition Recov. By
LA2129 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2129
LA2129 STATION DESCRIPTION
LA2129
LA2129 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2129 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2131 **********

LA2131 DESIGNATION - EMPORIA PIPELINE CO MW KJI
LA2131 PID - LA2131
LA2131 STATE/COUNTY- IN/MADISON
LA2131 USGS QUAD - MIDDLETOWN
LA2131
LA2131 HORZ DATUM - NAD 83
LA2131 VERT DATUM - N/A
LA2131
LA2131 POSITION - 40 00 06.80395(N) 085 35 46.24336(W) ADJUSTED
LA2131 83 minus 27 - +00.16993 -00.07914 ADJUSTED
LA2131
LA2131 HEIGHT -

LA2131 **********

LA2131 HORZ ORDER - THIRD
LA2131
LA2131 The horizontal position was established by classical geodetic methods
LA2131 and adjusted by the National Geodetic Survey in July 1986.
LA2131

		North	East	Scale	Converg.	
LA2131 SPC IN E	-	527,729.864	106,018.872	0.99996711	+0 02 43.1	MT
LA2131 UTM 16	-	4,428,910.727	619,828.567	0.99977677	+0 54 09.0	MT

LA2131
LA2131 THE LANDMARK IS A MICROWAVE MAST
LA2131

LA2131 HISTORY	-	Year Condition	Recov. By
LA2131 HISTORY	-	1970 STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2131

STATION DESCRIPTION

LA2131
LA2131 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2131 EMPORIA, PANHANDLE EASTERN PIPELINE COMPANY MICROWAVE KJI 68 IS
LA2131 LOCATED ABOUT 2 MILES EAST OF THE VILLAGE OF EMPORIA.
LA2131
LA2131 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 109 AND
LA2131 U.S. HIGHWAY 36 IN EMPORIA, GO EAST ON U.S. HIGHWAY 36 FOR 2.0
LA2131 MILES TO A CROSSROAD. TURN RIGHT AND GO SOUTH ON ROAD 400 E
LA2131 FOR 0.2 MILE TO THE STATION ON THE RIGHT.
LA2131
LA2131 STATION IS THE RED LIGHT ATOP THE RED AND WHITE, TRIANGULAR
LA2131 STEEL MAST. THE MAST HAS AN OVERALL HEIGHT OF 240 FEET AND HAS
LA2131 2 OCTAGON SHAPED REFLECTORS AT THE TOP.
LA2131

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2132 **********

LA2132 DESIGNATION - ANDERSON DELCO REMY CO STACK
LA2132 PID - LA2132
LA2132 STATE/COUNTY- IN/MADISON
LA2132 USGS QUAD - ANDERSON SOUTH
LA2132
LA2132 HORZ DATUM - NAD 83
LA2132 VERT DATUM - N/A
LA2132
LA2132 POSITION - 40 05 28.82571(N) 085 40 08.23493(W) ADJUSTED
LA2132 83 minus 27 - +00.15271 -00.09007 ADJUSTED
LA2132
LA2132 HEIGHT -

LA2132 **********

LA2132 HORZ ORDER - THIRD
LA2132
LA2132 The horizontal position was established by classical geodetic methods
LA2132 and adjusted by the National Geodetic Survey in July 1986.
LA2132

		North	East	Scale	Converg.	
LA2132 SPC IN E	-	537,659.338	99,804.930	0.99996667	-0 00 05.3	MT
LA2132 UTM 16	-	4,438,744.080	613,467.906	0.99975849	+0 51 26.3	MT

LA2132
LA2132 THE LANDMARK IS A STACK
LA2132
LA2132 HISTORY - Year Condition Recov. By
LA2132 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2132
LA2132 STATION DESCRIPTION
LA2132
LA2132 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2132 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2133 **********
LA2133 DESIGNATION - ANDERSON DELCO REMY CO TANK
LA2133 PID - LA2133
LA2133 STATE/COUNTY- IN/MADISON
LA2133 USGS QUAD - ANDERSON SOUTH
LA2133
LA2133 HORZ DATUM - NAD 83
LA2133 VERT DATUM - N/A
LA2133
LA2133 POSITION - 40 05 32.57725(N) 085 40 09.23977(W) ADJUSTED
LA2133 83 minus 27 - +00.15225 -00.09023 ADJUSTED
LA2133
LA2133 HEIGHT -
LA2133 **********
LA2133 HORZ ORDER - THIRD
LA2133
LA2133 The horizontal position was established by classical geodetic methods
LA2133 and adjusted by the National Geodetic Survey in July 1986.
LA2133

		North	East	Scale	Converg.	
LA2133 SPC IN E	-	537,775.045	99,781.131	0.99996667	-0 00 06.0	MT
LA2133 UTM 16	-	4,438,859.394	613,442.380	0.99975842	+0 51 25.7	MT

LA2133
LA2133 THE LANDMARK IS A TANK
LA2133
LA2133 HISTORY - Year Condition Recov. By
LA2133 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2133
LA2133 STATION DESCRIPTION
LA2133
LA2133 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2133 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2134 **********

LA2134 DESIGNATION - ANDERSON IND RR SHOPS N STACK
LA2134 PID - LA2134
LA2134 STATE/COUNTY- IN/MADISON
LA2134 USGS QUAD - ANDERSON SOUTH
LA2134
LA2134 HORZ DATUM - NAD 83
LA2134 VERT DATUM - N/A
LA2134
LA2134 POSITION - 40 07 19.97894(N) 085 40 39.58389(W) ADJUSTED
LA2134 83 minus 27 - +00.15794 -00.09411 ADJUSTED
LA2134
LA2134 HEIGHT -

LA2134 **********

LA2134 HORZ ORDER - THIRD
LA2134
LA2134 The horizontal position was established by classical geodetic methods
LA2134 and adjusted by the National Geodetic Survey in July 1986.
LA2134

		North	East	Scale	Converg.	
LA2134 SPC IN E	-	541,087.636	99,062.757	0.99996668	-0 00 25.5	MT
LA2134 UTM 16	-	4,442,160.151	612,674.583	0.99975629	+0 51 08.0	MT

LA2134
LA2134 THE LANDMARK IS A STACK
LA2134

LA2134 HISTORY	-	Year Condition	Recov. By
LA2134 HISTORY	-	1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2134
LA2134 STATION DESCRIPTION
LA2134
LA2134 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2134 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2135 **********

LA2135 DESIGNATION - ANDERSON ST MARYS CATH CHURCH
LA2135 PID - LA2135
LA2135 STATE/COUNTY- IN/MADISON
LA2135 USGS QUAD - ANDERSON SOUTH
LA2135
LA2135 HORZ DATUM - NAD 83
LA2135 VERT DATUM - N/A
LA2135
LA2135 POSITION - 40 06 18.87581(N) 085 40 31.78142(W) ADJUSTED
LA2135 83 minus 27 - +00.15581 -00.08858 ADJUSTED
LA2135
LA2135 HEIGHT -

LA2135 **********

LA2135 HORZ ORDER - THIRD
LA2135
LA2135 The horizontal position was established by classical geodetic methods
LA2135 and adjusted by the National Geodetic Survey in July 1986.
LA2135

		North	East	Scale	Converg.	
LA2135 SPC IN E	-	539,203.040	99,247.312	0.99996667	-0 00 20.5	MT
LA2135 UTM 16	-	4,440,278.930	612,887.332	0.99975688	+0 51 12.0	MT

LA2135
LA2135 THE LANDMARK IS A CHURCH SPIRE
LA2135
LA2135 HISTORY - Year Condition Recov. By
LA2135 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2135
LA2135 STATION DESCRIPTION
LA2135
LA2135 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2135 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2136 **********

LA2136 DESIGNATION - ANDERSON MUN POWER PLANT STACK
LA2136 PID - LA2136
LA2136 STATE/COUNTY- IN/MADISON
LA2136 USGS QUAD - ANDERSON SOUTH
LA2136
LA2136 HORZ DATUM - NAD 83
LA2136 VERT DATUM - N/A
LA2136
LA2136 POSITION - 40 06 19.50910(N) 085 40 23.25772(W) ADJUSTED
LA2136 83 minus 27 - +00.15910 -00.09328 ADJUSTED
LA2136
LA2136 HEIGHT -

LA2136 **********

LA2136 HORZ ORDER - THIRD
LA2136
LA2136 The horizontal position was established by classical geodetic methods
LA2136 and adjusted by the National Geodetic Survey in July 1986.
LA2136

		North	East	Scale	Converg.	
LA2136 SPC IN E	-	539,222.555	99,449.183	0.99996667	-0 00 15.0	MT
LA2136 UTM 16	-	4,440,301.464	613,088.845	0.99975744	+0 51 17.5	MT

LA2136
LA2136 THE LANDMARK IS A STACK
LA2136
LA2136 HISTORY - Year Condition Recov. By
LA2136 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2136
LA2136 STATION DESCRIPTION
LA2136
LA2136 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2136 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2137 **********
LA2137 DESIGNATION - ANDERSON MADISON CO CTHSE DOME
LA2137 PID - LA2137
LA2137 STATE/COUNTY- IN/MADISON
LA2137 USGS QUAD - ANDERSON SOUTH
LA2137
LA2137 HORZ DATUM - NAD 83
LA2137 VERT DATUM - N/A
LA2137
LA2137 POSITION - 40 06 26.97649(N) 085 40 43.35951(W) ADJUSTED
LA2137 83 minus 27 - +00.15849 -00.09349 ADJUSTED
LA2137
LA2137 HEIGHT -
LA2137 **********
LA2137 HORZ ORDER - THIRD
LA2137
LA2137 The horizontal position was established by classical geodetic methods
LA2137 and adjusted by the National Geodetic Survey in July 1986.
LA2137

		North	East	Scale	Converg.	
LA2137 SPC IN E	-	539,452.917	98,973.139	0.99996668	-0 00 27.9	MT
LA2137 UTM 16	-	4,440,524.617	612,609.502	0.99975611	+0 51 04.7	MT

LA2137
LA2137 THE LANDMARK IS A DOME
LA2137

LA2137 HISTORY	-	Year Condition	Recov. By
LA2137 HISTORY	-	1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2137
LA2137 STATION DESCRIPTION
LA2137
LA2137 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2137 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2138 **********

LA2138 DESIGNATION - ANDERSON IND RR SHOPS S STACK
LA2138 PID - LA2138
LA2138 STATE/COUNTY- IN/MADISON
LA2138 USGS QUAD - ANDERSON SOUTH
LA2138
LA2138 HORZ DATUM - NAD 83
LA2138 VERT DATUM - N/A
LA2138
LA2138 POSITION - 40 07 17.12603(N) 085 40 40.13940(W) ADJUSTED
LA2138 83 minus 27 - +00.15703 -00.09460 ADJUSTED
LA2138
LA2138 HEIGHT -

LA2138 **********

LA2138 HORZ ORDER - THIRD
LA2138
LA2138 The horizontal position was established by classical geodetic methods
LA2138 and adjusted by the National Geodetic Survey in July 1986.
LA2138

		North	East	Scale	Converg.	
LA2138 SPC IN E	-	540,999.647	99,049.593	0.99996668	-0 00 25.9	MT
LA2138 UTM 16	-	4,442,071.993	612,662.743	0.99975625	+0 51 07.6	MT

LA2138
LA2138 THE LANDMARK IS A STACK
LA2138

		Year	Condition	Recov. By
LA2138 HISTORY	-	1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2138
LA2138 STATION DESCRIPTION
LA2138
LA2138 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2138 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2139 **********

LA2139 DESIGNATION - ANDERSON RAD STA WHBU MAST
LA2139 PID - LA2139
LA2139 STATE/COUNTY- IN/MADISON
LA2139 USGS QUAD - ANDERSON SOUTH
LA2139
LA2139 HORZ DATUM - NAD 83
LA2139 VERT DATUM - N/A
LA2139
LA2139 POSITION - 40 06 17.39462(N) 085 40 43.48876(W) ADJUSTED
LA2139 83 minus 27 - +00.15652 -00.09588 ADJUSTED
LA2139
LA2139 HEIGHT -

LA2139 **********

LA2139 HORZ ORDER - THIRD
LA2139
LA2139 The horizontal position was established by classical geodetic methods
LA2139 and adjusted by the National Geodetic Survey in July 1986.
LA2139

		North	East	Scale	Converg.	
LA2139 SPC IN E	-	539,157.389	98,970.038	0.99996668	-0 00 28.0	MT
LA2139 UTM 16	-	4,440,229.138	612,610.831	0.99975611	+0 51 04.4	MT

LA2139
LA2139 HISTORY - Year Condition Recov. By
LA2139 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2139

STATION DESCRIPTION

LA2139
LA2139 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2139 ANDERSON, RADIO STATION WHBU MAST IS LOCATED IN ANDERSON ATOP
LA2139 THE 6 STORY CITIZENS BANK BUILDING AND OPERATED BY THE ANDERSON
LA2139 BROADCASTING COMPANY, OFFICES AT 640 CITIZENS BANK BUILDING.
LA2139
LA2139 STATION IS THE RED LIGHT ATOP THE 4 LEGGED, RED AND WHITE STEEL
LA2139 MAST. THE OVERALL HEIGHT OF THE MAST IS 179 FEET ABOVE THE ROOF
LA2139 OF THE BUILDING AND 288 FEET ABOVE GROUND LEVEL.
LA2139

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2140 **********
LA2140 DESIGNATION - ANDERSON RAD STA WAFM MAST
LA2140 PID - LA2140
LA2140 STATE/COUNTY- IN/MADISON
LA2140 USGS QUAD - ANDERSON SOUTH
LA2140
LA2140 HORZ DATUM - NAD 83
LA2140 VERT DATUM - N/A
LA2140
LA2140 POSITION - 40 03 43.12581(N) 085 42 34.60419(W) ADJUSTED
LA2140 83 minus 27 - +00.15864 -00.09472 ADJUSTED
LA2140
LA2140 HEIGHT -
LA2140 **********
LA2140 HORZ ORDER - THIRD
LA2140
LA2140 The horizontal position was established by classical geodetic methods
LA2140 and adjusted by the National Geodetic Survey in July 1986.
LA2140

		North	East	Scale	Converg.	
LA2140 SPC IN E	-	534,400.187	96,336.149	0.99996683	-0 01 39.5	MT
LA2140 UTM 16	-	4,435,434.027	610,049.074	0.99974909	+0 49 50.2	MT

LA2140
LA2140 HISTORY - Year Condition Recov. By
LA2140 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2140
LA2140 STATION DESCRIPTION
LA2140
LA2140 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2140 ANDERSON, RADIO STATION WAFM MAST IS LOCATED IN ANDERSON.
LA2140
LA2140 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 109 AND 67
LA2140 IN ANDERSON, GO SOUTHWESTERLY ON STATE HIGHWAY 67 FOR 2.3 MILES
LA2140 TO THE STATION ON THE RIGHT.
LA2140
LA2140 STATION IS THE RED LIGHT ATOP THE 4 LEGGED, RED AND WHITE STEEL
LA2140 MAST. THE MAST HAS AN OVERALL HEIGHT OF 565 FEET AND THE TOP
LA2140 40 FEET IS A STEEL POLE.
LA2140

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LA2141 **********
LA2141 DESIGNATION - ANDERSON BEL TEL MW KSV 86
LA2141 PID - LA2141
LA2141 STATE/COUNTY- IN/MADISON
LA2141 USGS QUAD - ANDERSON SOUTH
LA2141
LA2141 HORZ DATUM - NAD 83
LA2141 VERT DATUM - N/A
LA2141
LA2141 POSITION - 40 05 36.90605(N) 085 42 55.20913(W) ADJUSTED
LA2141 83 minus 27 - +00.15663 -00.09487 ADJUSTED
LA2141
LA2141 HEIGHT -
LA2141 **********
LA2141 HORZ ORDER - THIRD
LA2141
LA2141 The horizontal position was established by classical geodetic methods
LA2141 and adjusted by the National Geodetic Survey in July 1986.
LA2141

		North	East	Scale	Converg.	
LA2141 SPC IN E	-	537,909.687	95,849.767	0.99996688	-0 01 52.8	MT
LA2141 UTM 16	-	4,438,935.081	609,510.280	0.99974763	+0 49 38.8	MT

LA2141
LA2141 HISTORY - Year Condition Recov. By
LA2141 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2141
LA2141 STATION DESCRIPTION
LA2141
LA2141 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2141 ANDERSON, INDIANA BELL TELEPHONE COMPANY MICROWAVE KSV 86 IS
LA2141 LOCATED IN ANDERSON, AT 23RD STREET AND RAIBLE STREET.
LA2141
LA2141 STATION IS THE RED LIGHT ATOP A SMALL POLE ON THE TOP CENTER OF
LA2141 A LARGE 4 LEGGED, RED AND WHITE STEEL TOWER. THE TOWER HAS AN
LA2141 OVERALL HEIGHT OF 333 FEET AND HAS 2 OCTAGON SHAPED REFLECTORS
LA2141 ON TOP.
LA2141

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2142 **********

LA2142 DESIGNATION - ALEXANDRIA PAPER CO TANK
LA2142 PID - LA2142
LA2142 STATE/COUNTY- IN/MADISON
LA2142 USGS QUAD - ANDERSON NORTH
LA2142
LA2142 HORZ DATUM - NAD 83
LA2142 VERT DATUM - N/A
LA2142
LA2142 POSITION - 40 14 48.57224(N) 085 40 07.96063(W) ADJUSTED
LA2142 83 minus 27 - +00.14224 -00.08937 ADJUSTED
LA2142
LA2142 HEIGHT -

LA2142 **********

LA2142 HORZ ORDER - THIRD
LA2142
LA2142 The horizontal position was established by classical geodetic methods
LA2142 and adjusted by the National Geodetic Survey in July 1986.
LA2142

		North	East	Scale	Converg.	
LA2142 SPC IN E	-	554,923.504	99,811.858	0.99996667	-0 00 05.1	MT
LA2142 UTM 16	-	4,456,002.805	613,215.717	0.99975779	+0 51 36.4	MT

LA2142
LA2142 THE LANDMARK IS A TANK
LA2142
LA2142 HISTORY - Year Condition Recov. By
LA2142 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2142
LA2142 STATION DESCRIPTION
LA2142
LA2142 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2142 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2143 **********

LA2143 DESIGNATION - ELVIN
LA2143 PID - LA2143
LA2143 STATE/COUNTY- IN/MADISON
LA2143 USGS QUAD - ANDERSON NORTH
LA2143
LA2143 HORZ DATUM - NAD 83
LA2143 VERT DATUM - NGVD 29
LA2143
LA2143 POSITION - 40 13 10.41978(N) 085 40 00.10988(W) ADJUSTED
LA2143 83 minus 27 - +00.14678 -00.09012 ADJUSTED
LA2143
LA2143 HEIGHT - 270.7 (meters) 888. (feet) VERT ANGLE
LA2143 88 minus 29 - -0.1 VERTCON

LA2143 **********

LA2143 LAPLACE CORR- 1.79 DEFLEC93
LA2143 GEOID HEIGHT- -34.08 GEOID93
LA2143
LA2143 HORZ ORDER - FIRST
LA2143
LA2143 The horizontal position was established by classical geodetic methods
LA2143 and adjusted by the National Geodetic Survey in July 1986.
LA2143
LA2143 The orthometric height was determined by vertical angle observations.
LA2143
LA2143 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2143
LA2143 The geoid height was determined by GEOID93.
LA2143

		North	East	Scale	Converg.	
SPC IN E	-	551,896.168	99,997.402	0.99996667	-0 00 00.1	MT
UTM 16	-	4,452,979.232	613,446.699	0.99975843	+0 51 39.7	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	ELVIN AZ MK	026 22 11.6
UTM 16	-	ELVIN AZ MK	025 30 31.8

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
	ELVIN RM 1	46.781 METERS	01853
	ELVIN AZ MK		0262211.5
	ELVIN RM 2	40.904 METERS	26428
LA2114	ALEXANDRIA ALLADIN INDUST TANK	APPROX. 5.0 KM	3410925.1
LA2113	ALEXANDRIA MUNICIPAL STANDPIPE	APPROX. 4.2 KM	3501258.0
LA2142	ALEXANDRIA PAPER CO TANK	APPROX. 3.0 KM	3562933.8

		Year	Condition	Recov. By
HISTORY	-	1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
HISTORY	-	1935	GOOD	COAST AND GEODETIC SURVEY
HISTORY	-	1938	SEE DESCRIPTIVE TEXT	INDIANA HIGHWAY DEPARTMENT
HISTORY	-	1948	GOOD	COAST AND GEODETIC SURVEY
HISTORY	-	1980	GOOD	NATIONAL GEODETIC SURVEY

STATION DESCRIPTION

DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
ABOUT 3.5 MILES SOUTH OF ALEXANDRIA, 400 FEET WEST OF STATE HIGHWAY

LA2143 9, IN THE SOUTHWEST CORNER
LA2143 OF A SMALL ORCHARD OWNED BY JAMES ELVIN, 30 FEET
LA2143 NORTH OF THE CENTER LINE OF AN
LA2143 EAST-WEST GRAVEL ROAD, 17 FEET EAST
LA2143 OF THE WEST ORCHARD FENCE, AND IS SET FLUSH.
LA2143
LA2143 TO REACH FROM THE SOUTH CITY LIMITS OF ALEXANDRIA, GO SOUTH
LA2143 ON STATE HIGHWAY 9
LA2143 FOR 3.3 MILES, TURN WEST ON A GRAVEL CROSS ROAD
LA2143 AND GO 400 FEET TO THE STATION.
LA2143
LA2143 SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD
LA2143 BRONZE DISKS SET IN CONCRETE.
LA2143
LA2143 REFERENCE MARK NO. 1 IS NORTH-NORTHEAST OF THE STATION, IN
LA2143 THE EAST ORCHARD
LA2143 FENCE, 242.04 FEET NORTHEAST OF REFERENCE MARK
LA2143 NO. 2, AND PROJECTS 6 INCHES.
LA2143 REFERENCE MARK NO. 2 IS WEST OF STATION,
LA2143 IN THE NORTH RIGHT-OF-WAY FENCE OF THE GRAVEL
LA2143 ROAD, AND PROJECTS 6 INCHES.
LA2143
LA2143 AZIMUTH MARK IS NORTH-NORTHEAST OF THE STATION, IN THE SOUTH
LA2143 FENCE OF A SMALL
LA2143 GRAVEYARD, 45 FEET EAST OF THE CENTER LINE OF
LA2143 STATE HIGHWAY 9, AND PROJECTS 7 INCHES.
LA2143
LA2143 A 90-FOOT TOWER WILL SEE ALL LINES EXCEPT TO GASTON, WHICH
LA2143 NEEDS A 103-FOOT TOWER.
LA2143
LA2143
LA2143 STATION RECOVERY (1935)
LA2143
LA2143 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1935 (JSB)
LA2143 RECOVERED IN GOOD CONDITION, AS DESCRIBED BY G.L.A., 1934. REACHED
LA2143 AS DESCRIBED.
LA2143
LA2143
LA2143 STATION RECOVERY (1938)
LA2143
LA2143 RECOVERY NOTE BY INDIANA HIGHWAY DEPARTMENT 1938 (CFM)
LA2143 REFERENCE MARK NO. 2 IS ON ROAD CONSTRUCTION JOB, IN THE
LA2143 CONSTRUCTION LIMITS.
LA2143
LA2143 PERMISSION GRANTED TO REMOVE MARK NOVEMBER 15, 1938.
LA2143
LA2143 REFERENCE MARK DISK, STAMPED ELVIN NO 2, 1934 RECEIVED
LA2143 11/21/38.
LA2143
LA2143
LA2143 STATION RECOVERY (1948)
LA2143
LA2143 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (JMN)
LA2143 RECOVERED. THE SURFACE MARK WAS DESTROYED BY ROAD CONSTRUCTION BUT
LA2143 THE SUBSURFACE MARK IS STILL IN PLACE.
LA2143
LA2143 R.M. 1 IS 140.5 FEET N OF E-W FENCE, 70.4 FEET E OF W ORCHARD
LA2143 FENCE, AND
LA2143 PROJECTS 12 INCHES.
LA2143

LA2143 R.M. 2 IS DESTROYED.
LA2143
LA2143
LA2143 STATION RECOVERY (1980)
LA2143
LA2143 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1980 (CLN)
LA2143 ONLY THE UNDERGROUND MARK WAS LOCATED. THE SURFACE MARK BEING
LA2143 DESTROYED BY ROAD IMPROVEMENT. THE 1970 DESCRIPTION IS COMPLETE AND
LA2143 ACCURATE TO RECOVER THE MARK.
LA2143

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2144 **********

LA2144 DESIGNATION - ELVIN 2
LA2144 PID - LA2144
LA2144 STATE/COUNTY- IN/MADISON
LA2144 USGS QUAD - ANDERSON NORTH
LA2144
LA2144 HORZ DATUM - NAD 83
LA2144 VERT DATUM - NGVD 29
LA2144
LA2144 POSITION - 40 13 12.63032(N) 085 40 00.00247(W) ADJUSTED
LA2144 83 minus 27 - +00.14668 -00.09026 ADJUSTED
LA2144
LA2144 HEIGHT - 271.5 (meters) 891. (feet) VERT ANGLE
LA2144 88 minus 29 - -0.1 VERTCON

LA2144 **********

LA2144 LAPLACE CORR- 1.79 DEFLEC93
LA2144 GEOID HEIGHT- -34.08 GEOID93
LA2144
LA2144 HORZ ORDER - FIRST
LA2144
LA2144 The horizontal position was established by classical geodetic methods
LA2144 and adjusted by the National Geodetic Survey in July 1986.
LA2144
LA2144 The orthometric height was determined by vertical angle observations.
LA2144
LA2144 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2144
LA2144 The geoid height was determined by GEOID93.
LA2144

		North	East	Scale	Converg.	
LA2144 SPC IN E	-	551,964.348	99,999.942	0.99996667	-0 00 00.0	MT
LA2144 UTM 16	-	4,453,047.428	613,448.213	0.99975844	+0 51 39.8	MT

LA2144

		Primary Azimuth Mark	Grid Az
LA2144 SPC IN E	-	ELVIN AZ MK	030 33 07.7
LA2144 UTM 16	-	ELVIN AZ MK	029 41 27.9

LA2144

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
	ELVIN AZ MK		0303307.7
	ELVIN 2 RM 3	37.148 METERS	09636
LA2143	ELVIN	68.229 METERS	18208
LA2145	ELVIN 2 RM A 1970	26.440 METERS	34804

LA2144

		Year	Condition	Recov. By
LA2144 HISTORY	-	1970	STATION MONUMENTED	NATIONAL GEODETIC SURVEY
LA2144 HISTORY	-	1980	GOOD	NATIONAL GEODETIC SURVEY

LA2144

LA2144 STATION DESCRIPTION

LA2144
LA2144 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2144 THE STATION IS LOCATED IN THE SOUTHWEST CORNER OF SECTION 31,
LA2144 T. 21 N., R. 8 E. AND ON PROPERTY OF MR. WILLIAM BLAIR OF
LA2144 1002 GARNET DRIVE, ANDERSON, INDIANA. IT IS ABOUT 6 MILES
LA2144 EAST OF FRANKTON AND 3 MILES SOUTH OF ALEXANDRIA.
LA2144
LA2144 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND

LA2144 9 IN THE NORTHEAST EDGE OF ALEXANDRIA, GO SOUTH ON STATE
LA2144 HIGHWAY 9 FOR 3.7 MILES TO A SMALL GRAVEYARD ON THE LEFT AND THE
LA2144 AZIMUTH MARK. CONTINUE SOUTH ON STATE HIGHWAY 9 FOR 0.3 MILE
LA2144 TO A CROSSROAD. TURN RIGHT AND GO WEST ON STATE HIGHWAY 128
LA2144 FOR 0.1 MILE TO THE ENTRANCE TO THE HOLLAND MOTOR EXPRESS
LA2144 INCORPORATED ON THE RIGHT. TURN RIGHT AND GO NORTH ACROSS
LA2144 PAVED PARKING AREA FOR 0.05 MILE TO THE NORTHEAST CORNER OF
LA2144 THE PARKING AREA AND THE STATION.
LA2144
LA2144 THE STATION MARK IS A STANDARD DISK STAMPED ELVIN 2 1970, SET
LA2144 IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT FLUSH
LA2144 WITH THE GROUND. IT IS 87 FEET NORTH-NORTHWEST OF THE
LA2144 NORTHWEST CORNER OF A HOUSE, 40 FEET EAST-SOUTHEAST OF FLOOD
LA2144 LAMP POLE NUMBER MA 46 267, 40 FEET EAST OF THE EAST EDGE OF
LA2144 OF THE PARKING AREA AND IN THE NORTH EDGE OF A LAWN.
LA2144
LA2144 REFERENCE MARK 3 IS A STANDARD DISK STAMPED ELVIN 2 NO 3 1970
LA2144 SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT WHICH
LA2144 PROJECTS 2 INCHES ABOVE THE GROUND. IT IS 103 FEET NORTHEAST
LA2144 OF THE NORTHEAST CORNER OF THE HOUSE, 19 FEET NORTHWEST OF A
LA2144 TWIN TRUNKED PLUM TREE AND IN THE SOUTH EDGE OF A CULTIVATED
LA2144 FIELD.
LA2144
LA2144 ELVIN 2 RM A IS A STANDARD STATION MARK DISK STAMPED ELVIN 2
LA2144 RM A 1970, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE
LA2144 MONUMENT 16 INCHES BELOW THE GROUND SURFACE. IT IS 131 FEET
LA2144 EAST OF FLOOD LAMP POLE NUMBER MA 46-268 AND 72.5 FEET
LA2144 NORTH-NORTHEAST OF THE FLOOD LAMP POLE.
LA2144
LA2144 ELVIN 1934 IS A STANDARD STATION MARK DISK STAMPED ELVIN 1934,
LA2144 A BLOCK OF CONCRETE ABOUT 6 INCHES BELOW THE GROUND
LA2144 SURFACE. (NOTE--THIS IS THE UNDERGROUND MARK FOR TRIANGULATION
LA2144 STATION ELVIN 1934.) IT IS 108 FEET SOUTH-SOUTHWEST OF THE
LA2144 SOUTHWEST CORNER OF THE HOUSE, 96.6 FEET WEST OF A TELEPHONE
LA2144 POLE, 29.5 FEET NORTH OF THE CENTER OF STATE HIGHWAY 128 AND
LA2144 19.4 FEET EAST-SOUTHEAST OF A RIGHT-OF-WAY MARKER.
LA2144
LA2144 THE AZIMUTH MARK IS A STANDARD REFERENCE DISK STAMPED ELVIN
LA2144 1934 AZIMUTH, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE
LA2144 MONUMENT WHICH PROJECTS 1 FOOT ABOVE THE GROUND. IT IS 22 FEET
LA2144 EAST OF A POWER LINE POLE, 20 FEET EAST OF A FENCE CORNER AT
LA2144 THE SOUTHWEST CORNER OF THE GRAVEYARD AND 1 FOOT SOUTH OF AN
LA2144 EAST-WEST WIRE FENCE.
LA2144
LA2144 HEIGHT OF LIGHT ABOVE STATION MARK 34.5 METERS.
LA2144
LA2144
LA2144 STATION RECOVERY (1980)
LA2144
LA2144 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1980 (CLN)
LA2144 STATION SURFACE MARK AND RM 3 WERE FOUND OUT OF THE GROUND. RM A
LA2144 WAS NOT FOUND. AFTER A LONG SEARCH THE STATION UNDERGROUND MARK WAS
LA2144 FOUND. THE AZIMUTH MARK WAS FOUND IN GOOD CONDITION. ELVIN 1934
LA2144 UNDERGROUND MARK FOUND IN GOOD CONDITION ALTHOUGH IT WAS NOT VISIBLE
LA2144 AT GROUND LEVEL A LARGE BUSH BLOCKED THE LINE OF SIGHT. THE DIRECTION
LA2144 ALEXANDRIA MUN WATER TANK TO THE AZIMUTH MARK CHECKED. REFERENCE
LA2144 MARKS 4 AND 5 WERE ESTABLISHED AT THIS TIME. A NEW STATION SURFACE
LA2144 MARK WAS SET AT THIS TIME HOLDING THE PLUMB POINT OF THE UNDERGROUND
LA2144 MARK.
LA2144

LA2144 TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAYS 9 AND 28
LA2144 AT THE N EDGE OF ALEXANDRIA, GO S ON HIGHWAY 9 FOR 3.2 MILES TO THE
LA2144 INTERSECTION OF STATE HIGHWAY 128. TURN RIGHT, GO W ON HIGHWAY 128
LA2144 FOR 0.05 MILE TO ENTRANCE TO THE HOLLAND TRUCKING FIRM. TURN RIGHT
LA2144 AND GO N ON PARKING LOT TO THE NE EDGE OF PAVEMENT ABOUT 300 FT AND
LA2144 STATION AS DESCRIBED.
LA2144
LA2144 STATION IS ABOUT 3 MILES S OF ALEXANDRIA, NEAR THE NE EDGE OF THE
LA2144 HOLLAND TRUCKING COMPANY. IT IS IN A NEWLY COMMERCIAL ZONING AREA.
LA2144
LA2144 STATION MARK IS A STANDARD DISK, STAMPED---ELVIN 2 1970 1980---. IT
LA2144 IS 102 FT NW OF THE NE CORNER OF HOUSE, 87 FT NNW OF THE NW CORNER
LA2144 OF THE HOUSE, 40 FT E OF THE E EDGE OF PAVED PARKING LOT, 40 FT ESE
LA2144 OF POWER LINE POLE MA 46 267 WITH A FLOODLIGHT ON TOP, 1 FT E OF
LA2144 A METAL WITNESS POST AND 28 FT N OF A METAL WITNESS POST. THE MARK
LA2144 IS FLUSH.
LA2144
LA2144 REFERENCE MARK 4 IS A 3 FOOT PRECAST ALUMINUM STANDARD MARK,
LA2144 STAMPED---ELVIN 2 1970 NO 4 1980---. IT IS 59 FT NNW OF NW CORNER
LA2144 OF HOUSE, 41 FT E OF E EDGE OF PARKING LOT AREA AND 1 FT E OF A
LA2144 METAL WITNESS POST. THE MARK PROJECTS 4 INCHES.
LA2144
LA2144 REFERENCE MARK 5 IS A STANDARD DISK, STAMPED---ELVIN 2 1970 NO 5
LA2144 1980---. IT IS 37 FT NW OF A METAL WITNESS POST, 6 FT E OF THE
LA2144 E EDGE OF PAVED PARKING LOT AND 1 FT ESE OF POWER LINE POLE NUMBER
LA2144 MA 46 267 WITH A FLOODLIGHT ATOP. THE MARK IS FLUSH.
LA2144
LA2144 AZIMUTH MARK IS A STANDARD REFERENCE MARK DISK, STAMPED---ELVIN 1934
LA2144 AZIMUTH---. IT IS LOCATED NEAR THE SW CORNER OF A CEMETERY, 22.5 FT
LA2144 E OF POWER LINE POLE NUMBER 46 158, 20.5 FT E OF A CONCRETE RIGHT OF
LA2144 WAY MARKER, 4 FT SW OF AN 18 INCH WILD CHERRY TREE AND 0.5 FT S OF THE
LA2144 S CEMETERY FENCE LINE. THE MARK PROJECTS 1 FOOT.
LA2144
LA2144 TO REACH THE AZIMUTH MARK FROM THE INTERSECTION OF STATE HIGHWAYS 9
LA2144 AND 128, GO N ON HIGHWAY 9 FOR 0.2 MILE TO CEMETERY ON RIGHT AND MARK
LA2144 AS DESCRIBED.
LA2144
LA2144 NOTE. THE STATION IS ON PROPERTY OF A MR WILLIAM BLAIR. MR BLAIR
LA2144 STATED THAT SOMETIME IN THE FUTURE THE AREA WHERE STATION IS LOCATED
LA2144 COULD BE COMMERCIAL BUILDINGS AS THE COMPLETE AREA IS NOW ZONED FOR
LA2144 COMMERCIAL BUILDINGS. MR BLAIR CAN BE CONTACTED AT ANDERSON. NO
LA2144 PHONE NUMBER OR ADDRESS AT THIS WRITING.
LA2144

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2145 **********

LA2145 DESIGNATION - ELVIN 2 RM A 1970
LA2145 PID - LA2145
LA2145 STATE/COUNTY- IN/MADISON
LA2145 USGS QUAD - ANDERSON NORTH
LA2145
LA2145 HORZ DATUM - NAD 83
LA2145 VERT DATUM - NGVD 29
LA2145
LA2145 POSITION - 40 13 13.46901(N) 085 40 00.23371(W) ADJUSTED
LA2145 83 minus 27 - +00.14665 -00.09029 ADJUSTED
LA2145
LA2145 HEIGHT - 270.9 (meters) 889. (feet) VERT ANGLE
LA2145 88 minus 29 - -0.1 VERTCON

LA2145 **********

LA2145 LAPLACE CORR- 1.80 DEFLEC93
LA2145 GEOID HEIGHT- -34.08 GEOID93
LA2145
LA2145 HORZ ORDER - FIRST
LA2145
LA2145 The horizontal position was established by classical geodetic methods
LA2145 and adjusted by the National Geodetic Survey in July 1986.
LA2145
LA2145 The orthometric height was determined by vertical angle observations.
LA2145
LA2145 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2145
LA2145 The geoid height was determined by GEOID93.
LA2145

		North	East	Scale	Converg.	
SPC IN E	-	551,990.216	99,994.474	0.99996667	-0 00 00.2	MT
UTM 16	-	4,453,073.205	613,442.359	0.99975842	+0 51 39.7	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	ALEXANDRIA MUNICIPAL TANK	346 47 57.4
UTM 16	-	ALEXANDRIA MUNICIPAL TANK	345 56 17.5

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2144	ELVIN 2	26.440 METERS	16804
LA2146	FRANKTON MUNICIPAL TANK	APPROX. 9.6 KM	2693653.6
LA2117	ALEXANDRIA MUNICIPAL TANK	APPROX. 6.0 KM	3464757.2

LA2145 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA2145 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA2145

		Year	Condition	Recov. By
LA2145 HISTORY	-	1970	STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2145

STATION DESCRIPTION

LA2145
LA2145 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2145 THE STATION IS LOCATED IN THE SOUTHWEST CORNER OF SECTION 31,
LA2145 T. 21 N., R. 8 E. AND ON PROPERTY OF MR. WILLIAM BLAIR OF
LA2145 1002 GARNET DRIVE, ANDERSON, INDIANA. IT IS ABOUT 6 MILES
LA2145 EAST OF FRANKTON AND 3 MILES SOUTH OF ALEXANDRIA.
LA2145
LA2145 FOR THE TO REACH SEE THE DESCRIPTION FOR TRIANGULATION

LA2145 STATION ELVIN 2.
LA2145
LA2145 THE STATION MARK IS A STANDARD DISK STAMPED ELVIN 2 RM A 1970,
LA2145 SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT 16
LA2145 INCHES BELOW THE GROUND SURFACE. IT IS 131 FEET EAST OF FLOOD
LA2145 LAMP POLE NUMBER MA 46-268 AND 72.5 FEET NORTH-NORTHEAST OF
LA2145 A FLOOD LAMP POLE. NOTES 1A AND 7A
LA2145
LA2145 NOTE--THE TRAVERSE DISTANCE NOTED BELOW HAS BEEN REDUCED TO
LA2145 SEA LEVEL.
LA2145

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2146 **********

LA2146 DESIGNATION - FRANKTON MUNICIPAL TANK
LA2146 PID - LA2146
LA2146 STATE/COUNTY- IN/MADISON
LA2146 USGS QUAD - FRANKTON
LA2146
LA2146 HORZ DATUM - NAD 83
LA2146 VERT DATUM - N/A
LA2146
LA2146 POSITION - 40 13 11.19116(N) 085 46 44.30668(W) ADJUSTED
LA2146 83 minus 27 - +00.14318 -00.08447 ADJUSTED
LA2146
LA2146 HEIGHT -

LA2146 **********

LA2146 HORZ ORDER - THIRD
LA2146
LA2146 The horizontal position was established by classical geodetic methods
LA2146 and adjusted by the National Geodetic Survey in July 1986.
LA2146

		North	East	Scale	Converg.	
LA2146 SPC IN E	-	551,926.009	90,440.772	0.99996779	-0 04 21.1	MT
LA2146 UTM 16	-	4,452,865.483	603,892.816	0.99973287	+0 47 18.6	MT

LA2146
LA2146 HISTORY - Year Condition Recov. By
LA2146 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2146

STATION DESCRIPTION

LA2146
LA2146 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2146 FRANKTON MUNICIPAL WATER TANK IS LOCATED IN THE SOUTH EDGE OF
LA2146 FRANKTON ALONG THE NORTH SIDE OF CEMETARY ROAD AND ABOUT 0.15 MILE
LA2146 SOUTHWEST OF THE FRANKTON RAILROAD DEPOT.
LA2146
LA2146 IT IS A 4-LEGGED GRAYISH BLUE, OVAL STEEL TANK AND HAS AN
LA2146 OVERALL HEIGHT OF 130 FEET.
LA2146
LA2146 THE POINT INTERSECTED WAS THE CENTER OF CAP ATOP THE TANK.
LA2146

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2152 **********
LA2152 DESIGNATION - ELWOOD CITY HALL DOME
LA2152 PID - LA2152
LA2152 STATE/COUNTY- IN/MADISON
LA2152 USGS QUAD - ELWOOD
LA2152
LA2152 HORZ DATUM - NAD 83
LA2152 VERT DATUM - N/A
LA2152
LA2152 POSITION - 40 16 36.04355(N) 085 50 23.45037(W) ADJUSTED
LA2152 83 minus 27 - +00.13655 -00.07463 ADJUSTED
LA2152
LA2152 HEIGHT -
LA2152 **********
LA2152 HORZ ORDER - THIRD
LA2152
LA2152 The horizontal position was established by classical geodetic methods
LA2152 and adjusted by the National Geodetic Survey in July 1986.
LA2152

		North	East	Scale	Converg.	
LA2152 SPC IN E	-	558,252.663	85,271.783	0.99996934	-0 06 43.0	MT
LA2152 UTM 16	-	4,459,112.187	598,630.559	0.99971975	+0 45 00.3	MT

LA2152
LA2152 THE LANDMARK IS A DOME
LA2152
LA2152 HISTORY - Year Condition Recov. By
LA2152 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2152
LA2152 STATION DESCRIPTION
LA2152
LA2152 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2152 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2153 **********

LA2153 DESIGNATION - ELWOOD ST JOSEPH CATH CH SPIRE
LA2153 PID - LA2153
LA2153 STATE/COUNTY- IN/MADISON
LA2153 USGS QUAD - ELWOOD
LA2153
LA2153 HORZ DATUM - NAD 83
LA2153 VERT DATUM - N/A
LA2153
LA2153 POSITION - 40 16 34.02611(N) 085 50 38.99745(W) ADJUSTED
LA2153 83 minus 27 - +00.13711 -00.07355 ADJUSTED
LA2153
LA2153 HEIGHT -

LA2153 **********

LA2153 HORZ ORDER - THIRD
LA2153
LA2153 The horizontal position was established by classical geodetic methods
LA2153 and adjusted by the National Geodetic Survey in July 1986.
LA2153

		North	East	Scale	Converg.	
LA2153 SPC IN E	-	558,191.165	84,904.378	0.99996947	-0 06 53.1	MT
LA2153 UTM 16	-	4,459,045.185	598,264.213	0.99971886	+0 44 50.2	MT

LA2153
LA2153 THE LANDMARK IS A CHURCH SPIRE
LA2153
LA2153 HISTORY - Year Condition Recov. By
LA2153 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2153
LA2153 STATION DESCRIPTION
LA2153
LA2153 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2153 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2154 **********

LA2154 DESIGNATION - ELWOOD SELLERS KITCHEN CAB TK
LA2154 PID - LA2154
LA2154 STATE/COUNTY- IN/MADISON
LA2154 USGS QUAD - ELWOOD
LA2154
LA2154 HORZ DATUM - NAD 83
LA2154 VERT DATUM - N/A
LA2154
LA2154 POSITION - 40 16 44.67246(N) 085 50 41.13212(W) ADJUSTED
LA2154 83 minus 27 - +00.13946 -00.07288 ADJUSTED
LA2154
LA2154 HEIGHT -

LA2154 **********

LA2154 HORZ ORDER - THIRD
LA2154
LA2154 The horizontal position was established by classical geodetic methods
LA2154 and adjusted by the National Geodetic Survey in July 1986.
LA2154

		North	East	Scale	Converg.	
LA2154 SPC IN E	-	558,519.636	84,854.609	0.99996949	-0 06 54.5	MT
LA2154 UTM 16	-	4,459,372.788	598,209.521	0.99971873	+0 44 49.0	MT

LA2154
LA2154 THE LANDMARK IS A TANK
LA2154

LA2154 HISTORY	- Year	Condition	Recov. By
LA2154 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2154
LA2154 STATION DESCRIPTION
LA2154
LA2154 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2154 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2155 **********
LA2155 DESIGNATION - ELWOOD MC BETH EVANS GLASS TK
LA2155 PID - LA2155
LA2155 STATE/COUNTY- IN/MADISON
LA2155 USGS QUAD - ELWOOD
LA2155
LA2155 HORZ DATUM - NAD 83
LA2155 VERT DATUM - N/A
LA2155
LA2155 POSITION - 40 17 11.15233(N) 085 51 01.33714(W) ADJUSTED
LA2155 83 minus 27 - +00.13733 -00.07386 ADJUSTED
LA2155
LA2155 HEIGHT -
LA2155 **********
LA2155 HORZ ORDER - THIRD
LA2155
LA2155 The horizontal position was established by classical geodetic methods
LA2155 and adjusted by the National Geodetic Survey in July 1986.
LA2155

		North	East	Scale	Converg.	
LA2155 SPC IN E	-	559,337.342	84,379.000	0.99996967	-0 07 07.6	MT
LA2155 UTM 16	-	4,460,183.041	597,721.786	0.99971755	+0 44 36.3	MT

LA2155
LA2155 THE LANDMARK IS A TANK
LA2155

		Year	Condition	Recov. By
LA2155 HISTORY	-	1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA2155 HISTORY	-	1948	SEE DESCRIPTIVE TEXT	COAST AND GEODETIC SURVEY

LA2155
LA2155 STATION DESCRIPTION
LA2155
LA2155 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA2155
LA2155
LA2155 STATION RECOVERY (1948)
LA2155
LA2155 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (JMN)
LA2155 STATION RECOVERED. THE TANK IS 150 FEET NW OF THE INTERSECTION OF
LA2155 NINTH AND J STREETS IN
LA2155 ELWOOD. ONLY THE LEGS AND THE BOTTOM OF THE TANK REMAIN.
LA2155

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2157 **********

LA2157 DESIGNATION - FRESH
LA2157 PID - LA2157
LA2157 STATE/COUNTY- IN/MADISON
LA2157 USGS QUAD - ELWOOD
LA2157
LA2157 HORZ DATUM - NAD 83
LA2157 VERT DATUM - NGVD 29
LA2157
LA2157 POSITION - 40 22 17.47216(N) 085 47 09.27475(W) ADJUSTED
LA2157 83 minus 27 - +00.14126 -00.07495 ADJUSTED
LA2157
LA2157 HEIGHT - 271. (meters) 889. (feet) SCALED
LA2157 88 minus 29 - -0. VERTCON

LA2157 **********

LA2157 LAPLACE CORR- 1.91 DEFLEC93
LA2157 GEOID HEIGHT- -34.24 GEOID93
LA2157
LA2157 HORZ ORDER - SECOND
LA2157
LA2157 The horizontal position was established by classical geodetic methods
LA2157 and adjusted by the National Geodetic Survey in July 1986.
LA2157
LA2157 The orthometric height was scaled from a topographic map.
LA2157
LA2157 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2157
LA2157 The geoid height was determined by GEOID93.
LA2157

		North	East	Scale	Converg.	
LA2157 SPC IN E	-	568,776.006	89,873.117	0.99996793	-0 04 38.1	MT
LA2157 UTM 16	-	4,469,701.053	603,071.814	0.99973077	+0 47 11.3	MT

		Primary Azimuth Mark	Grid Az
LA2157 SPC IN E	-	FRESH AZ MK	356 09 36.1
LA2157 UTM 16	-	FRESH AZ MK	355 17 46.7

LA2157

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
	FRESH RM 2	30.074 METERS	00537
	FRESH RM 1	32.269 METERS	26102
	FRESH AZ MK		3560458.0

LA2157

LA2157 HISTORY	- Year	Condition	Recov. By
LA2157 HISTORY	- 1948	STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2157

LA2157 STATION DESCRIPTION

LA2157
LA2157 DESCRIBED BY COAST AND GEODETIC SURVEY 1948 (RCB)
LA2157 THE STATION IS LOCATED 8 MILES SOUTHWEST OF FAIRMOUNT, 7 MILES
LA2157 NORTHEAST OF ELWOOD AND
LA2157 4 MILES SOUTHEAST OF PT. ISABEL IN THE SOUTHEAST ANGLE OF STATE
LA2157 HIGHWAY 37 AND A EAST-WEST GRAVEL
LA2157 CROSS ROAD. IT IS 67 FEET SOUTHEAST OF THE INTERSECTION OF STATE
LA2157 HIGHWAY 37 AND THE GRAVEL ROAD, 54 FEET
LA2157 EAST OF THE CENTER OF THE HIGHWAY, 44 FEET SOUTH OF
LA2157 THE CENTER OF THE GRAVEL ROAD, 11 FEET NORTHWEST

LA2157 OF A FENCE LINE AND 11 FEET NORTHWEST OF
LA2157 A WHITE WITNESS POST. THE MARK IS FLUSH AND THE DISK IS STAMPED
LA2157 FRESH 1948.
LA2157
LA2157 REFERENCE MARK NO. 1 IS 105.87 FEET WEST-SOUTHWEST OF THE STATION.
LA2157 IT IS 58 FEET SOUTH OF THE
LA2157 CENTER OF THE GRAVEL ROAD, 51 FEET WEST OF THE CENTER OF THE HIGHWAY
LA2157 AND 4 FEET NORTHWEST OF A FENCE
LA2157 CORNER. THE MARK PROJECTS 3 INCHES AND THE DISK IS STAMPED
LA2157 FRESH NO 1 1948.
LA2157
LA2157 REFERENCE MARK NO. 2 IS 98.67 FEET NORTH OF THE STATION. IT IS 63
LA2157 FEET EAST OF THE CENTER OF THE
LA2157 HIGHWAY, 56 FEET NORTH OF THE CENTER OF THE GRAVEL ROAD AND 1 FOOT
LA2157 SOUTHWEST OF A FENCE LINE. THE MARK
LA2157 PROJECTS 2 INCHES AND THE DISK IS STAMPED FRESH NO 2 1948.
LA2157
LA2157 THE AZIMUTH MARK IS 0.3 MILE NORTH OF THE STATION. IT IS 82 FEET
LA2157 NORTHEAST OF THE NORTHEAST
LA2157 CORNER OF A FRAME HOUSE, 53 FEET EAST OF THE CENTER OF STATE HIGHWAY
LA2157 37, 31 FEET NORTH OF A POWER
LA2157 LINE POLE, 4 FEET SOUTH OF A WHITE WITNESS POST AND
LA2157 2 FEET NORTHEAST OF A FENCE CORNER. THE MARK
LA2157 PROJECTS 2 INCHES AND THE DISK IS
LA2157 STAMPED FRESH 1948.
LA2157
LA2157 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 37 AND 26,
LA2157 10 MILES SOUTHWEST OF
LA2157 MARION, GO SOUTH ON HIGHWAY 37 FOR 4.2 MILE TO THE AZIMUTH MARK ON
LA2157 THE RIGHT AS DESCRIBED,
LA2157 CONTINUE FOR 0.3 MILE TO THE STATION ON THE LEFT AS DESCRIBED.
LA2157
LA2157 HEIGHT OF LIGHT ABOVE STATION MARK 30 METERS.
LA2157

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2158 **********

LA2158 DESIGNATION - READER RM 3
LA2158 PID - LA2158
LA2158 STATE/COUNTY- IN/MADISON
LA2158 USGS QUAD - ELWOOD
LA2158
LA2158 HORZ DATUM - NAD 83
LA2158 VERT DATUM - NGVD 29
LA2158
LA2158 POSITION - 40 20 05.19108(N) 085 50 30.33513(W) ADJUSTED
LA2158 83 minus 27 - +00.13488 -00.07327 ADJUSTED
LA2158
LA2158 HEIGHT - 266. (meters) 873. (feet) SCALED
LA2158 88 minus 29 - -0. VERTCON

LA2158 **********

LA2158 LAPLACE CORR- 1.74 DEFLEC93
LA2158 GEOID HEIGHT- -34.27 GEOID93
LA2158
LA2158 HORZ ORDER - SECOND
LA2158
LA2158 The horizontal position was established by classical geodetic methods
LA2158 and adjusted by the National Geodetic Survey in July 1986.
LA2158
LA2158 The orthometric height was scaled from a topographic map.
LA2158
LA2158 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2158
LA2158 The geoid height was determined by GEOID93.
LA2158

		North	East	Scale	Converg.	
LA2158 SPC IN E	-	564,703.842	85,121.891	0.99996939	-0 06 48.0	MT
LA2158 UTM 16	-	4,465,558.767	598,383.632	0.99971915	+0 44 59.0	MT

LA2158

		Primary Azimuth Mark	Grid Az
LA2158 SPC IN E	-	RYBOLT	009 03 27.5
LA2158 UTM 16	-	RYBOLT	008 11 40.5

LA2158

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2158 LA2151	RYBOLT	APPROX. 9.4 KM	0085639.5
LA2158 LA2159	READER RESET	25.527 METERS	19909

LA2158

LA2158 HISTORY	- Year	Condition	Recov. By
LA2158 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2158

STATION DESCRIPTION

LA2158

LA2158 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (CLA)
LA2158 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND 13 IN
LA2158 ELWOOD, GO NORTH HIGHWAY 13
LA2158 FOR 4.0 MILES TO MR. KELLEMS HOUSE ON THE RIGHT AND THE STATION ON
LA2158 THE RIGHT AS DESCRIBED.
LA2158
LA2158 REFERENCE MARK NO. 3 IS 83.75 FEET NORTHEAST OF THE STATION, 22 FEET
LA2158 SOUTH OF THE CENTER OF THE
LA2158 GRAVEL ROAD, 15 FEET SOUTHWEST OF A WHITE WITNESS POST AND 13 FEET
LA2158 SOUTHWEST OF A FENCE CORNER. THE MARK

LA2158 IS FLUSH AND THE DISK IS STAMPED READER NO 3 1934
LA2158 1954.
LA2158

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2159 **********

LA2159 DESIGNATION - READER RESET
LA2159 PID - LA2159
LA2159 STATE/COUNTY- IN/MADISON
LA2159 USGS QUAD - ELWOOD
LA2159
LA2159 HORZ DATUM - NAD 83
LA2159 VERT DATUM - NGVD 29
LA2159
LA2159 POSITION - 40 20 04.40930(N) 085 50 30.68994(W) ADJUSTED
LA2159 83 minus 27 - +00.13530 -00.07306 ADJUSTED
LA2159
LA2159 HEIGHT - 266. (meters) 873. (feet) SCALED
LA2159 88 minus 29 - -0. VERTCON

LA2159 **********

LA2159 LAPLACE CORR- 1.74 DEFLEC93
LA2159 GEOID HEIGHT- -34.27 GEOID93
LA2159
LA2159 HORZ ORDER - FIRST
LA2159
LA2159 The horizontal position was established by classical geodetic methods
LA2159 and adjusted by the National Geodetic Survey in July 1986.
LA2159
LA2159 The orthometric height was scaled from a topographic map.
LA2159
LA2159 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2159
LA2159 The geoid height was determined by GEOID93.
LA2159

		North	East	Scale	Converg.	
SPC IN E	-	564,679.746	85,113.468	0.99996939	-0 06 48.2	MT
UTM 16	-	4,465,534.552	598,375.575	0.99971913	+0 44 58.8	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	READER AZ MK RESET	352 41 52.4
UTM 16	-	READER AZ MK RESET	351 50 05.4

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2158	READER RM 3	25.527 METERS	01909
LA2152	ELWOOD CITY HALL DOME	APPROX. 6.4 KM	1782832.3
LA2153	ELWOOD ST JOSEPH CATH CH SPIRE	APPROX. 6.5 KM	1814356.5
LA2154	ELWOOD SELLERS KITCHEN CAB TK	APPROX. 6.2 KM	1821734.6
LA2155	ELWOOD MC BETH EVANS GLASS TK	APPROX. 5.4 KM	1874252.4
	READER RM 1	47.987 METERS	24620
	READER RM 2	41.587 METERS	33124
	READER AZ MK RESET		3523504.2
	READER AZ MK		3540200.7

	Year	Condition	Recov. By
HISTORY	1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
HISTORY	1935	GOOD	COAST AND GEODETIC SURVEY
HISTORY	1948	GOOD	COAST AND GEODETIC SURVEY
HISTORY	1954	GOOD	COAST AND GEODETIC SURVEY

STATION DESCRIPTION

LA2159 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA2159 10 MILES NORTHWEST
LA2159 OF ALEXANDRIA,
LA2159 3.95 MILES NORTH OF ELWOOD ON THE EAST SIDE OF STATE
LA2159 HIGHWAY 13, IN THE EAST CENTRAL
LA2159 PART OF READRER SCHOOLYARD, 40 FEET
LA2159 WEST OF FENCE LINE, 100 FEET SOUTH OF GRAVEL ROAD,
LA2159 150 FEET EAST OF
LA2159 SCHOOLHOUSE, 64 FEET NORTH OF FENCE LINE, AND PROJECTS 5 INCHES.
LA2159
LA2159 TO REACH FROM ELWOOD, GO NORTH FROM POST OFFICE ON STATE
LA2159 HIGHWAY 13 FOR
LA2159 3.95 MILES TO THE SCHOOLHOUSE AND STATION.
LA2159
LA2159 SURFACE AND UNDERGROUND MARKS ARE STANDARD BRONZE DISKS SET
LA2159 IN CONCRETE.
LA2159
LA2159 REFERENCE MARK NO. 1 IS WEST-SOUTHWEST OF THE STATION, 72
LA2159 FEET SOUTH OF
LA2159 SCHOOLHOUSE, 1 FOOT NORTH OF FENCE LINE, 75 FEET
LA2159 EAST OF STATE HIGHWAY 13, AND
LA2159 PROJECTS 4 INCHES. REFERENCE
LA2159 MARK NO. 2 IS NORTH-NORTHWEST OF THE STATION, 18 FEET
LA2159 NORTH OF CENTER LINE OF GRAVEL ROAD, 1 FOOT NORTH OF FENCE LINE,
LA2159 AND PROJECTS 7
LA2159 INCHES. THE DISTANCE BETWEEN THE REFERENCE MARKS IS 199.3 FEET.
LA2159
LA2159 AZIMUTH MARK IS NORTH OF THE STATION, 21 FEET EAST OF STATE
LA2159 HIGHWAY 13, 1 FOOT
LA2159 EAST OF THE FENCE LINE, ABOUT 50 YARDS SOUTH-SOUTHWEST
LA2159 OF WHITE FARMHOUSE, AND PROJECTS 10 INCHES.
LA2159
LA2159
LA2159 STATION RECOVERY (1935)
LA2159
LA2159 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1935 (JSB)
LA2159 STATION MARK AND REFERENCE MARKS RECOVERED AS DESCRIBED BY G.L.A.
LA2159 EXCEPT, THE
LA2159 DISTANCE FROM THE STATION MARK TO REFERENCE MARK NO. 2
LA2159 IS 136.3 FEET INSTEAD OF
LA2159 172.48 FEET AS GIVEN BY G.L.A., AND THE
LA2159 DISTANCE FROM THE STATION TO THE NORTHEAST
LA2159 CORNER OF THE SCHOOL
LA2159 IS 145.6 FEET INSTEAD OF 150 FEET AS GIVEN BY G.L.A.
LA2159
LA2159 THE STATION IS 102 FEET SOUTH FROM CENTER LINE OF THE EAST-AND-WEST
LA2159 GRAVEL ROAD, AND
LA2159 222.4 FEET EAST FROM CENTER LINE OF
LA2159 STATE HIGHWAY 13. DISTACE FROM THE
LA2159 STATION TO REFERENCE MARK
LA2159 NO. 1 AND TO THE EAST AND SOUTH SCHOOL GROUND FENCES
LA2159 CHECKS WITH
LA2159 THE DISTANCE GIVEN BY G.L.A. ALSO, THE DISTANCE BETWEEN REFERENCE
LA2159 MARK NO. 1 AND
LA2159 REFERENCE MARK NO. 2 CHECKS WITH G.L.A.S MEASUREMENT.
LA2159
LA2159 TO REACH, GO TO STATE HIGHWAY 13 AND FOLLOW TO THE STATION.
LA2159
LA2159
LA2159 STATION RECOVERY (1948)

LA2159
LA2159 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (RCB)
LA2159 STATION WAS RECOVERED AS DESCRIBED AND ALL
LA2159 MARKS WERE FOUND
LA2159 TO BE IN GOOD CONDITION. A DIFFERENCE WAS FOUND IN THE DISTANCE TO
LA2159 THE REFERENCE MARKS. THE OLD
LA2159 DESCRIPTION IS ADEQUATE.
LA2159
LA2159 HEIGHT OF LIGHT ABOVE STATION MARK 34 METERS.
LA2159
LA2159
LA2159 STATION RECOVERY (1954)
LA2159
LA2159 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1954 (ELJ)
LA2159 STATION WAS RECOVERED AND THE STATION MARK AND REFERENCE MARKS WERE
LA2159 FOUND IN GOOD CONDITION. THE
LA2159 AZIMUTH MARK HAD BEEN DESTROYED. THE DISTANCES TO THE REFERENCE
LA2159 MARKS CHECKED AND THE ANGLE BETWEEN
LA2159 THE TWO MARKS CHECKED. A NEW AZIMUTH MARK AND REFERENCE
LA2159 MARK NO. 3 WERE ESTABLISHED AT THIS TIME. THE
LA2159 TOWER WAS BUILT OVER REFERENCE MARK NO. 3
LA2159 AND ALL LINES OBSERVED FROM THIS POINT. A COMPLETE NEW
LA2159 DESCRIPTION FOLLOWS-
LA2159
LA2159 STATION IS LOCATED ON THE PROPERTY OF R.E. KELLEMS ALONG THE EAST
LA2159 SIDE OF STATE HIGHWAY 13
LA2159 ABOUT 10 MILES NORTHWEST OF ALEXANDRIA AND ABOUT 4 MILES NORTH OF
LA2159 ELWOOD. IT IS 222 FEET EAST OF THE
LA2159 CENTER OF THE HIGHWAY, 150 FEET EAST OF THE SOUTHEAST CORNER OF
LA2159 MR. KELLEMS HOUSE, 102 FEET SOUTH OF THE
LA2159 CENTER OF A GRAVEL ROAD, 96 FEET SOUTHWEST OF
LA2159 A WHITE WITNESS POST AND 64 FEET NORTH OF A FENCE. THE
LA2159 MARK IS 18 INCHES UNDERGROUND AND
LA2159 THE DISK IS STAMPED READER 1934 1954.
LA2159
LA2159 REFERENCE MARK NO. 1 IS 157.44 FEET SOUTHWEST OF THE STATION, 16 FEET
LA2159 SOUTHWEST OF THE SOUTHWEST
LA2159 CORNER OF A CONCRETE BLOCK BUILDING AND 1 FOOT NORTH OF A FENCE. THE
LA2159 MARK PROJECTS ABOUT 4 INCHES AND THE
LA2159 DISK IS STAMPED READER NO 1 1934.
LA2159
LA2159 REFERENCE MARK NO. 2 IS 136.45 FEET NORTHWEST OF THE STATION, 48 FEET
LA2159 EAST OF A TELEPHONE POLE AND
LA2159 20 FEET NORTH OF THE CENTER OF THE GRAVEL ROAD. THE MARK PROJECTS
LA2159 ABOUT 8 INCHES AND THE DISK IS
LA2159 STAMPED READER NO 2 1934.
LA2159
LA2159 REFERENCE MARK NO. 3 IS 83.75 FEET NORTHEAST OF THE STATION, 22 FEET
LA2159 SOUTH OF THE CENTER OF THE
LA2159 GRAVEL ROAD, 15 FEET SOUTHWEST OF A WHITE WITNESS POST AND 13 FEET
LA2159 SOUTHWEST OF A FENCE CORNER. THE MARK
LA2159 IS FLUSH AND THE DISK IS STAMPED READER NO 3 1934
LA2159 1954.
LA2159
LA2159 AZIMUTH MARK IS 40 FEET WEST OF THE CENTER OF HIGHWAY 13, 2 FEET
LA2159 SOUTH OF A WHITE WITNESS POST
LA2159 AND 1 FOOT EAST OF A FENCE. THE MARK PROJECTS ABOUT 4 INCHES AND THE
LA2159 DISK IS STAMPED READER 1934 RESET
LA2159 1954.
LA2159

LA2159 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND 13 IN
LA2159 ELWOOD, GO NORTH HIGHWAY 13
LA2159 FOR 4.0 MILES TO MR. KELLEMS HOUSE ON THE RIGHT AND THE STATION ON
LA2159 THE RIGHT AS DESCRIBED. CONTINUE
LA2159 NORTH ON THE HIGHWAY FOR 0.4 MILE TO THE AZIMUTH MARK ON
LA2159 THE LEFT AS DESCRIBED.
LA2159

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2160 **********

LA2160 DESIGNATION - ELWOOD MUNICIPAL TANK
LA2160 PID - LA2160
LA2160 STATE/COUNTY- IN/MADISON
LA2160 USGS QUAD - ELWOOD
LA2160
LA2160 HORZ DATUM - NAD 83
LA2160 VERT DATUM - N/A
LA2160
LA2160 POSITION - 40 16 54.89842(N) 085 50 33.75944(W) ADJUSTED
LA2160 83 minus 27 - +00.13646 -00.07387 ADJUSTED
LA2160
LA2160 HEIGHT -

LA2160 **********

LA2160 HORZ ORDER - THIRD
LA2160
LA2160 The horizontal position was established by classical geodetic methods
LA2160 and adjusted by the National Geodetic Survey in July 1986.
LA2160

		North	East	Scale	Converg.	
LA2160 SPC IN E	-	558,834.692	85,029.399	0.99996942	-0 06 49.8	MT
LA2160 UTM 16	-	4,459,690.359	598,379.509	0.99971914	+0 44 53.9	MT

LA2160
LA2160 HISTORY - Year Condition Recov. By
LA2160 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2160
LA2160 STATION DESCRIPTION
LA2160
LA2160 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2160 THE STATION IS LOCATED IN THE NORTH-CENTRAL SECTION OF
LA2160 ELWOOD, ADJACENT TO THE LITTLE LEAGUE BASEBALL PARK, IN A FENCED
LA2160 ENCLOSURE ABOUT 250 FEET WEST OF ANDERSON STREET.
LA2160
LA2160 TO REACH FROM THE JUNCTION OF INDIANA HIGHWAYS 13 AND 28 IN
LA2160 DOWNTOWN ELWOOD, GO NORTH ON HIGHWAY 13 (ANDERSON STREET) FOR 0.3
LA2160 MILE TO NORTH E STREET ON THE RIGHT. CONTINUE NORTH ON
LA2160 ANDERSON STREET FOR 0.05 MILE TO AN UNMARKED PAVED STREET ON
LA2160 THE LEFT. TURN LEFT AND GO WEST FOR 0.05 MILE TO THE WATER TANK.
LA2160
LA2160 THE STATION IS THE TOP CENTER OF A DOUBLE ELLIPSOIDAL TANK,
LA2160 PAINTED SILVER, WITH 8 TUBULAR STEEL LEGS, ABOUT 100 FEET
LA2160 HIGH WITH THE LETTERS ELWOOD HEART OF HOOSIER LAND ON ITS
LA2160 SOUTH AND EAST SIDE.
LA2160

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2440 **********

LA2440 DESIGNATION - ALEPORT
LA2440 PID - LA2440
LA2440 STATE/COUNTY- IN/MADISON
LA2440 USGS QUAD - ANDERSON NORTH
LA2440
LA2440 HORZ DATUM - NAD 83
LA2440 VERT DATUM - NGVD 29
LA2440
LA2440 POSITION - 40 13 57.61422(N) 085 38 23.76738(W) ADJUSTED
LA2440 83 minus 27 - +00.14821 -00.08990 NADCON
LA2440
LA2440 HEIGHT - 272.9 (meters) 895. (feet) GPS OBS
LA2440 88 minus 29 - -0.2 VERTCON

LA2440 **********

LA2440 LAPLACE CORR- 1.80 DEFLEC93
LA2440 GEOID HEIGHT- -34.06 GEOID93
LA2440
LA2440 HORZ ORDER - THIRD
LA2440
LA2440 The horizontal coordinates were established by GPS observations
LA2440 and adjusted by the National Geodetic Survey in February 1989.
LA2440
LA2440 The orthometric height was determined by GPS observations.
LA2440
LA2440 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2440
LA2440 The geoid height was determined by GEOID93.
LA2440

		North	East	Scale	Converg.	
SPC IN E	-	553,352.135	102,274.845	0.99996673	+0 01 02.2	MT
UTM 16	-	4,454,468.958	615,701.539	0.99976479	+0 52 42.8	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	ALEPORT AZ MK	094 56 07.0
UTM 16	-	ALEPORT AZ MK	094 04 26.4

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2441	ALEPORT AZ MK	APPROX. 0.6 KM	0945709.2

LA2440
LA2440 STATION MARK IS A HORIZONTAL CONTROL DISK
LA2440 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA2440 THE MARK IS STAMPED: ALEPORT 1986
LA2440 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA2440 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LA2440 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
LA2440

		Year	Condition	Recov. By
HISTORY	-	1988	STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2440
LA2440 STATION DESCRIPTION
LA2440
LA2440 DESCRIBED 1988
LA2440 THE STATION IS LOCATED ABOUT 16.1 KM (10.00 MI) NORTHWEST OF MUNCIE,
LA2440 6.4 KM (4.00 MI) SOUTHEAST OF ALEXANDRIA, 3.2 KM (2.00 MI) WEST OF
LA2440 INTERSTATE HIGHWAY 69 AND AT THE ALEXANDRIA AIRPORT.

LA2440 OWNERSHIP--KNOTTS FLYING SERVICE, RT 4, BOX 148, ALEXANDRIA, IN
LA2440 46001, PHONE 317-724-3848. AIRPORT MANAGER IS DUANE KNOTTS.
LA2440 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND 9
LA2440 JUST NORTH OF ALEXANDRIA, GO SOUTH ON STATE HIGHWAY 9 FOR 5.3 KM
LA2440 (3.30 MI) TO A CROSSROAD. TURN LEFT AND GO EAST ON COUNTY ROAD 900N
LA2440 FOR 2.3 KM (1.45 MI) TO AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN
LA2440 RIGHT AND GO SOUTH FOR 0.1 KM (0.05 MI) TO AIRPORT OFFICE. FROM
LA2440 OFFICE GO SOUTHERLY ACROSS AIRPORT APRON AND TAXIWAY FOR 0.1 KM
LA2440 (0.05 MI) TO ITS JUNCTION WITH RUNWAY. TURN LEFT AND GO EASTERLY
LA2440 ALONG THE RUNWAY FOR 0.1 KM (0.05 MI) TO A NORTH-SOUTH TAXIWAY AND
LA2440 THE STATION ON THE LEFT IN THE NORTHEAST QUADRANT OF THIS
LA2440 INTERSECTION.
LA2440 THE STATION IS A STANDARD NGS STATION MARK DISK STAMPED---ALEPORT
LA2440 1986---, SET IN THE TOP OF A 20 CM IN DIAMETER CONCRETE POST THAT IS
LA2440 FLUSH WITH THE GROUND. LOCATED 57.0 M (187.0 FT) SOUTH FROM THE EAST
LA2440 ONE OF TWO GAS PUMPS, 19.35 M (63.5 FT) EAST FROM CENTER OF TAXIWAY,
LA2440 15.1 M (49.5 FT) NORTH FROM CENTER OF RUNWAY AND 2.1 M (6.9 FT) NORTH
LA2440 FROM A RUNWAY LIGHT AND FIBERGLASS WITNESS POST.
LA2440 GPS SURVEY, FAA AIRPORTS, INDIANA.
LA2440 DESCRIBED BY D.A. BOWLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2441 **********

LA2441 DESIGNATION - ALEPORT AZ MK
LA2441 PID - LA2441
LA2441 STATE/COUNTY- IN/MADISON
LA2441 USGS QUAD - ANDERSON NORTH
LA2441
LA2441 HORZ DATUM - NAD 83
LA2441 VERT DATUM - NGVD 29
LA2441
LA2441 POSITION - 40 13 55.90959(N) 085 37 58.11287(W) ADJUSTED
LA2441 83 minus 27 - +00.14851 -00.09038 NADCON
LA2441
LA2441 HEIGHT - 269.9 (meters) 885. (feet) GPS OBS
LA2441 88 minus 29 - -0.2 VERTCON

LA2441 **********

LA2441 LAPLACE CORR- 1.76 DEFLEC93
LA2441 GEOID HEIGHT- -34.06 GEOID93
LA2441
LA2441 HORZ ORDER - THIRD
LA2441
LA2441 The horizontal coordinates were established by GPS observations
LA2441 and adjusted by the National Geodetic Survey in February 1989.
LA2441
LA2441 The orthometric height was determined by GPS observations.
LA2441
LA2441 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2441
LA2441 The geoid height was determined by GEOID93.
LA2441

		North	East	Scale	Converg.	
SPC IN E	-	553,299.766	102,881.313	0.99996677	+0 01 18.7	MT
UTM 16	-	4,454,425.720	616,308.603	0.99976652	+0 52 59.3	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	ALEPORT	274 56 07.1
UTM 16	-	ALEPORT	274 04 26.5

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2440	ALEPORT	APPROX. 0.6 KM	2745725.8

LA2441 STATION MARK IS AN AZIMUTH MARK DISK
LA2441 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA2441 THE MARK IS STAMPED: ALEPORT 1986
LA2441 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA2441 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LA2441 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
LA2441

		Year	Condition	Recov. By
HISTORY	-	1988	STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2441

STATION DESCRIPTION

LA2441
LA2441 DESCRIBED 1988
LA2441 THE STATION IS LOCATED ABOUT 16.1 KM (10.00 MI) NORTHWEST OF MUNCIE,
LA2441 6.4 KM (4.00 MI) SOUTHEAST OF ALEXANDRIA, 3.2 KM (2.00 MI) WEST OF
LA2441 INTERSTATE HIGHWAY 69 AND AT THE ALEXANDRIA AIRPORT.

LA2441 OWNERSHIP--KNOTTS FLYING SERVICE, RT 4, BOX 148, ALEXANDRIA, IN
LA2441 46001, PHONE 317-724-3848. AIRPORT MANAGER IS DUANE KNOTTS.
LA2441 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND 9
LA2441 JUST NORTH OF ALEXANDRIA, GO SOUTH ON STATE HIGHWAY 9 FOR 5.3 KM
LA2441 (3.30 MI) TO A CROSSROAD. TURN LEFT AND GO EAST ON COUNTY ROAD 900N
LA2441 FOR 2.3 KM (1.45 MI) TO AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN
LA2441 RIGHT AN GO SOUTH FOR 0.1 KM (0.05 MI) TO AIRPORT OFFICE. FROM
LA2441 OFFICE GO SOUTHERLY ACROSS AIRPORT APRON AND TAXIWAY FOR 0.1 KM
LA2441 (0.05 MI) TO ITS JUNCTION WITH RUNWAY. TURN LEFT AND GO EASTERLY
LA2441 ALONG THE RUNWAY FOR 0.7 KM (0.45 MI) TO ITS END AND THE MARK SET IN
LA2441 THE SOUTHEAST CORNER OF THE AIRPORT GROUNDS.
LA2441 THE STATION IS A STANDARD NGS AZIMUTH MARK DISK STAMPED---ALEPORT
LA2441 1986---, SET IN THE TOP OF A 20 CM IN DIAMETER CONCRETE POST THAT IS
LA2441 FLUSH WITH THE GROUND. LOCATED 19.0 M (62.3 FT) SOUTH FROM THE
LA2441 SOUTHEAST CORNER OF RUNWAY 27, 6.5 M (21.3 FT) WEST FROM THE CENTER
LA2441 OF COUNTY ROAD 200E, 2.1 M (6.9 FT) NORTH FROM A SQUARE CONCRETE
LA2441 CORNER POST AND 1.0 M (3.3 FT) WEST FROM A FIBERGLASS WITNESS POST.
LA2441 GPS SURVEY, FAA AIRPORTS, INDIANA.
LA2441 DESCRIBED BY D.A. BOWLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2448 **********

LA2448 DESIGNATION - ANDPORT
LA2448 PID - LA2448
LA2448 STATE/COUNTY- IN/MADISON
LA2448 USGS QUAD - MIDDLETOWN
LA2448
LA2448 HORZ DATUM - NAD 83
LA2448 VERT DATUM - NGVD 29
LA2448
LA2448 POSITION - 40 06 36.55223(N) 085 36 57.97057(W) ADJUSTED
LA2448 83 minus 27 - +00.15388 -00.08871 NADCON
LA2448
LA2448 HEIGHT - 271.0 (meters) 889. (feet) GPS OBS
LA2448 88 minus 29 - -0.1 VERTCON

LA2448 **********

LA2448 LAPLACE CORR- 1.45 DEFLEC93
LA2448 GEOID HEIGHT- -33.99 GEOID93
LA2448
LA2448 HORZ ORDER - THIRD
LA2448
LA2448 The horizontal coordinates were established by GPS observations
LA2448 and adjusted by the National Geodetic Survey in February 1989.
LA2448
LA2448 The orthometric height was determined by GPS observations.
LA2448
LA2448 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2448
LA2448 The geoid height was determined by GEOID93.
LA2448

		North	East	Scale	Converg.	
SPC IN E	-	539,749.413	104,310.742	0.99996690	+0 01 57.3	MT
UTM 16	-	4,440,901.031	617,940.976	0.99977124	+0 53 30.1	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	ANDPORT AZ MK	296 14 32.2
UTM 16	-	ANDPORT AZ MK	295 22 59.4

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2449	ANDPORT AZ MK	APPROX. 0.6 KM	2961629.5

LA2448
LA2448 STATION MARK IS A HORIZONTAL CONTROL DISK
LA2448 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA2448 THE MARK IS STAMPED: ANDPORT 1986
LA2448 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA2448 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LA2448 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
LA2448

HISTORY	-	Year Condition	Recov. By
HISTORY	-	1988 STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2448
LA2448 STATION DESCRIPTION
LA2448
LA2448 DESCRIBED 1988
LA2448 THE STATION IS LOCATED ABOUT 20.9 KM (13.00 MI) SOUTHWEST OF MUNCIE,
LA2448 19.3 KM (12.00 MI) NORTH OF INTERSTATE HIGHWAY 70, 3.2 KM (2.00 MI)
LA2448 EAST OF ANDERSON AND AT THE ANDERSON MUNICIPAL AIRPORT.

LA2448 OWNERSHIP--CITY OF ANDERSON, CITY BUILDING, ANDERSON, IN 46015, PHONE
LA2448 317-644-1238. AIRPORT MANAGER IS STEVE CARLINGTON.
LA2448 TO REACH THE FROM THE JUNCTION OF STATE HIGHWAYS 9 AND 32 ON EAST
LA2448 SIDE OF ANDERSON, GO EAST ON STATE HIGHWAY 32 FOR 3.5 KM (2.15 MI) TO
LA2448 AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN RIGHT AND GO SOUTH FOR 0.3
LA2448 KM (0.20 MI) TO AIRPORT OFFICE ON THE LEFT AND A SIDE ROAD RIGHT.
LA2448 TURN RIGHT AND GO WESTERLY FOR 0.1 KM (0.05 MI) TO WEST SIDE OF A
LA2448 LARGE TAN HANGAR. TURN LEFT AND GO SOUTHERLY ACROSS AIRPORT APRON
LA2448 AND TAXIWAY FOR 0.1 KM (0.05 MI) TO THE STATION ON THE LEFT.
LA2448 THE STATION IS A STANDARD NGS STATION MARK DISK STAMPED---ANDPORT
LA2448 1986---, SET IN THE TOP OF A 20 CM IN DIAMETER CONCRETE POST THAT IS
LA2448 FLUSH WITH THE GROUND. LOCATED 15.12 M (49.6 FT) EAST FROM A BLUE
LA2448 RUNWAY LIGHT, 14.02 M (46.0 FT) WEST FROM A BLUE RUNWAY MARKER LIGHT,
LA2448 3.96 M (13.0 FT) SOUTH-SOUTHWEST FROM THE SOUTH EDGE OF TAXIWAY AND
LA2448 0.79 M (2.6 FT) SOUTH-SOUTHWEST FROM A BLUE RUNWAY MARKER LIGHT AND
LA2448 FIBERGLASS WITNESS POST.
LA2448 GPS SURVEY, FAA AIRPORTS, INDIANA.
LA2448 DESCRIBED BY D.A. BOWLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2449 **********

LA2449 DESIGNATION - ANDPORT AZ MK
LA2449 PID - LA2449
LA2449 STATE/COUNTY- IN/MADISON
LA2449 USGS QUAD - MIDDLETOWN
LA2449
LA2449 HORZ DATUM - NAD 83
LA2449 VERT DATUM - NGVD 29
LA2449
LA2449 POSITION - 40 06 45.08398(N) 085 37 20.48048(W) ADJUSTED
LA2449 83 minus 27 - +00.15345 -00.08845 NADCON
LA2449
LA2449 HEIGHT - 267.7 (meters) 878. (feet) GPS OBS
LA2449 88 minus 29 - -0.1 VERTCON

LA2449 **********

LA2449 LAPLACE CORR- 1.46 DEFLEC93
LA2449 GEOID HEIGHT- -33.99 GEOID93
LA2449
LA2449 HORZ ORDER - THIRD
LA2449
LA2449 The horizontal coordinates were established by GPS observations
LA2449 and adjusted by the National Geodetic Survey in February 1989.
LA2449
LA2449 The orthometric height was determined by GPS observations.
LA2449
LA2449 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2449
LA2449 The geoid height was determined by GEOID93.
LA2449

		North	East	Scale	Converg.	
SPC IN E	-	540,012.270	103,777.541	0.99996684	+0 01 42.8	MT
UTM 16	-	4,441,155.813	617,403.999	0.99976968	+0 53 15.7	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	ANDPORT	116 14 32.2
UTM 16	-	ANDPORT	115 22 59.3

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2448	ANDPORT	APPROX. 0.6 KM	1161615.0

LA2449
LA2449 STATION MARK IS AN AZIMUTH MARK DISK
LA2449 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA2449 THE MARK IS STAMPED: ANDPORT 1986
LA2449 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA2449 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LA2449 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
LA2449

HISTORY	-	Year Condition	Recov. By
HISTORY	-	1988 STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2449
LA2449 STATION DESCRIPTION
LA2449
LA2449 DESCRIBED 1988
LA2449 THE STATION IS LOCATED ABOUT 20.9 KM (13.00 MI) SOUTHWEST OF MUNCIE,
LA2449 19.3 KM (12.00 MI) NORTH OF INTERSTATE HIGHWAY 70, 3.2 KM (2.00 MI)
LA2449 EAST OF ANDERSON AND AT THE ANDERSON MUNICIPAL AIRPORT.

LA2449 OWNERSHIP--CITY OF ANDERSON, CITY BUILDING, ANDERSON, IN 46015, PHONE
LA2449 317-644-1238. AIRPORT MANAGER IS STEVE CARLINGTON.
LA2449 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 9 AND 32 ON
LA2449 EAST SIDE OF ANDERSON, GO EAST ON STATE HIGHWAY 32 FOR 3.5 KM
LA2449 (2.15 MI) TO AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN RIGHT AND GO
LA2449 SOUTH FOR 0.3 KM (0.20 MI) TO AIRPORT OFFICE ON THE LEFT AND A SIDE
LA2449 ROAD RIGHT. TURN RIGHT AND GO WESTERLY FOR 0.1 KM (0.05 MI) TO WEST
LA2449 SIDE OF A LARGE TAN HANGAR. TURN LEFT AND GO SOUTHERLY ACROSS
LA2449 AIRPORT APRON TO A TAXIWAY. TURN RIGHT AND GO WESTERLY ALONG TAXIWAY
LA2449 FOR 0.56 KM (0.35 MI) TO WHERE TAXIWAY CURVES AROUND TO THE SOUTH AND
LA2449 THE MARK ON THE RIGHT.
LA2449 THE STATION IS A STANDARD NGS AZIMUTH MARK DISK STAMPED---ANDPORT
LA2449 1986 SET IN THE TOP OF A 20 CM IN DIAMETER CONCRETE POST THAT IS
LA2449 FLUSH WITH THE GROUND. LOCATED 13.11 M (43.0 FT) SOUTH FROM THE EDGE
LA2449 OF A CUTBANK, 13.11 M (43.0 FT) NORTH FROM CENTER OF TAXIWAY, 4.27 M
LA2449 (14.0 FT) NORTH FROM NORTH EDGE OF TAXIWAY AND 1.22 M (4.0 FT) NORTH
LA2449 FROM A BLUE TAXIWAY MARKER LIGHT AND FIBERGLASS WITNESS POST.
LA2449 GPS SURVEY, FAA AIRPORTS, INDIANA.
LA2449 DESCRIBED BY D.A. BOWLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2325 **********

JZ2325 DESIGNATION - K 236
JZ2325 PID - JZ2325
JZ2325 STATE/COUNTY- IN/MADISON
JZ2325 USGS QUAD - INGALLS
JZ2325
JZ2325 HORZ DATUM - NAD 83
JZ2325 VERT DATUM - NAVD 88
JZ2325
JZ2325 POSITION - 39 56 51. (N) 085 50 35. (W) SCALED
JZ2325 83 minus 27 - +00. -00. NADCON
JZ2325
JZ2325 HEIGHT - 259.985 (meters) 852.97 (feet) ADJUST
JZ2325 88 minus 29 - -0.131 ADJ UNCHK

JZ2325 **********

JZ2325 GEOID HEIGHT- -34.03 GEOID93
JZ2325 MODELED GRAV- 980,063.0 NAVD88
JZ2325
JZ2325 VERT ORDER - SECOND CLASS 0
JZ2325
JZ2325 The horizontal coordinates were scaled from a topographic map and have
JZ2325 an estimated accuracy of +/- 6 seconds.
JZ2325
JZ2325 The orthometric height was determined by differential leveling
JZ2325 and adjusted by the National Geodetic Survey in June 1991.
JZ2325
JZ2325 The geoid height was determined by GEOID93.
JZ2325
JZ2325 The modeled gravity was interpolated from observed gravity values.
JZ2325
JZ2325 STATION MARK IS A BENCH MARK DISK
JZ2325 WITH SETTING: SET IN A LIGHT STRUCTURE
JZ2325 THE MARK IS STAMPED: K 236 1947
JZ2325 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
JZ2325
JZ2325 HISTORY - Year Condition Recov. By
JZ2325 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2325

STATION DESCRIPTION

JZ2325
JZ2325 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2325 ABOUT 1.2 MILES NORTHEAST ALONG STATE HIGHWAY 13 FROM ITS
JZ2325 JUNCTION WITH STATE HIGHWAY 238 AT FORTVILLE, ABOUT 0.6 MILE
JZ2325 SOUTH OF THE BRIDGE OVER LICK CREEK, 0.25 MILE NORTH OF THE
JZ2325 MADISON-HANCOCK COUNTY LINE, SET IN THE TOP OF THE NORTH END
JZ2325 OF THE WEST CONCRETE HEAD WALL OF A 6-FOOT METAL PIPE CULVERT,
JZ2325 16 FEET WEST OF AND ABOUT 0.5 FOOT ABOVE THE CENTER LINE OF THE
JZ2325 HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2326 **********

JZ2326 DESIGNATION - J 236
JZ2326 PID - JZ2326
JZ2326 STATE/COUNTY- IN/MADISON
JZ2326 USGS QUAD - INGALLS
JZ2326
JZ2326 HORZ DATUM - NAD 83
JZ2326 VERT DATUM - NAVD 88
JZ2326
JZ2326 POSITION - 39 57 31. (N) 085 50 33. (W) SCALED
JZ2326 83 minus 27 - +00. -00. NADCON
JZ2326
JZ2326 HEIGHT - 254.690 (meters) 835.60 (feet) ADJUST
JZ2326 88 minus 29 - -0.132 ADJ UNCHK

JZ2326 **********

JZ2326 GEOID HEIGHT- -34.03 GEOID93
JZ2326 MODELED GRAV- 980,064.4 NAVD88
JZ2326
JZ2326 VERT ORDER - SECOND CLASS 0
JZ2326
JZ2326 The horizontal coordinates were scaled from a topographic map and have
JZ2326 an estimated accuracy of +/- 6 seconds.
JZ2326
JZ2326 The orthometric height was determined by differential leveling
JZ2326 and adjusted by the National Geodetic Survey in June 1991.
JZ2326
JZ2326 The geoid height was determined by GEOID93.
JZ2326
JZ2326 The modeled gravity was interpolated from observed gravity values.
JZ2326
JZ2326 STATION MARK IS A BENCH MARK DISK
JZ2326 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2326 THE MARK IS STAMPED: J 236 1947
JZ2326 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2326 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2326
JZ2326 HISTORY - Year Condition Recov. By
JZ2326 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2326

STATION DESCRIPTION

JZ2326
JZ2326 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2326 ABOUT 2.0 MILES NORTH ALONG STATE HIGHWAY 13 FROM ITS JUNCTION
JZ2326 WITH STATE HIGHWAY 238 AT FORTVILLE, ABOUT 0.5 MILE SOUTH OF THE
JZ2326 BRIDGE OVER FALL CREEK, 0.2 MILE NORTH OF THE BRIDGE OVER LICK
JZ2326 CREEK, SET AT THE JUNCTION OF A GRAVEL ROAD LEADING EAST, 41.5
JZ2326 FEET EAST OF THE CENTER LINE OF THE HIGHWAY, 36 FEET NORTH OF
JZ2326 THE CENTER LINE OF THE ROAD EAST, 121 FEET NORTHEAST AND ACROSS
JZ2326 THE HIGHWAY FROM THE NORTHEAST CORNER OF A CEMETERY, 11.5 FEET
JZ2326 NORTH OF A POWER POLE, 1.5 FEET NORTH OF A WHITE WOODEN WITNESS
JZ2326 POST, 1 FOOT ABOVE THE HIGHWAY AND SET IN THE TOP OF A CONCRETE
JZ2326 POST PROJECTING 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2327 **********

JZ2327 DESIGNATION - H 236
JZ2327 PID - JZ2327
JZ2327 STATE/COUNTY- IN/MADISON
JZ2327 USGS QUAD - INGALLS
JZ2327
JZ2327 HORZ DATUM - NAD 83
JZ2327 VERT DATUM - NAVD 88
JZ2327
JZ2327 POSITION - 39 58 23. (N) 085 50 33. (W) SCALED
JZ2327 83 minus 27 - +00. -00. NADCON
JZ2327
JZ2327 HEIGHT - 262.144 (meters) 860.05 (feet) ADJUST
JZ2327 88 minus 29 - -0.131 ADJ UNCHK

JZ2327 **********

JZ2327 GEOID HEIGHT- -34.03 GEOID93
JZ2327 MODELED GRAV- 980,066.3 NAVD88
JZ2327
JZ2327 VERT ORDER - SECOND CLASS 0
JZ2327
JZ2327 The horizontal coordinates were scaled from a topographic map and have
JZ2327 an estimated accuracy of +/- 6 seconds.
JZ2327
JZ2327 The orthometric height was determined by differential leveling
JZ2327 and adjusted by the National Geodetic Survey in June 1991.
JZ2327
JZ2327 The geoid height was determined by GEOID93.
JZ2327
JZ2327 The modeled gravity was interpolated from observed gravity values.
JZ2327
JZ2327 STATION MARK IS A BENCH MARK DISK
JZ2327 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2327 THE MARK IS STAMPED: H 236 1947
JZ2327 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2327 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2327
JZ2327 HISTORY - Year Condition Recov. By
JZ2327 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2327

STATION DESCRIPTION

JZ2327
JZ2327 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2327 ABOUT 3.05 MILES NORTH ALONG STATE HIGHWAY 13 FROM ITS JUNCTION
JZ2327 WITH STATE HIGHWAY 238 AT FORTVILLE, ABOUT 0.55 MILE NORTH OF A
JZ2327 BRIDGE OVER FALL CREEK, AT THE JUNCTION OF A ROAD LEADING WEST,
JZ2327 30 FEET WEST OF THE CENTER LINE OF THE HIGHWAY, 31 FEET SOUTH
JZ2327 OF THE CENTER LINE OF THE SIDE ROAD, 14.5 FEET SOUTH OF A
JZ2327 CONCRETE HIGHWAY RIGHT-OF-WAY MARKER POST, 1.5 FEET EAST OF THE
JZ2327 FENCE LINE, 1.5 FEET SOUTH OF A WHITE WOODEN WITNESS POST,
JZ2327 ABOUT LEVEL WITH THE HIGHWAY AND SET IN THE TOP OF A CONCRETE
JZ2327 POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2328 **********

JZ2328 DESIGNATION - G 236
JZ2328 PID - JZ2328
JZ2328 STATE/COUNTY- IN/MADISON
JZ2328 USGS QUAD - INGALLS
JZ2328
JZ2328 HORZ DATUM - NAD 83
JZ2328 VERT DATUM - NAVD 88
JZ2328
JZ2328 POSITION - 39 59 15. (N) 085 50 33. (W) SCALED
JZ2328 83 minus 27 - +00. -00. NADCON
JZ2328
JZ2328 HEIGHT - 263.394 (meters) 864.15 (feet) ADJUST
JZ2328 88 minus 29 - -0.132 ADJ UNCHK

JZ2328 **********

JZ2328 GEOID HEIGHT- -34.04 GEOID93
JZ2328 MODELED GRAV- 980,068.1 NAVD88
JZ2328
JZ2328 VERT ORDER - SECOND CLASS 0
JZ2328
JZ2328 The horizontal coordinates were scaled from a topographic map and have
JZ2328 an estimated accuracy of +/- 6 seconds.
JZ2328
JZ2328 The orthometric height was determined by differential leveling
JZ2328 and adjusted by the National Geodetic Survey in June 1991.
JZ2328
JZ2328 The geoid height was determined by GEOID93.
JZ2328
JZ2328 The modeled gravity was interpolated from observed gravity values.
JZ2328
JZ2328 STATION MARK IS A BENCH MARK DISK
JZ2328 WITH SETTING: SET IN A MASSIVE STRUCTURE
JZ2328 THE MARK IS STAMPED: G 236 1947
JZ2328 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
JZ2328
JZ2328 HISTORY - Year Condition Recov. By
JZ2328 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2328
JZ2328 STATION DESCRIPTION
JZ2328
JZ2328 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2328 ABOUT 4.05 MILES NORTH ALONG STATE HIGHWAY 13 FROM ITS JUNCTION
JZ2328 WITH STATE HIGHWAY 238 AT FORTVILLE, AT CENTER SCHOOL, SET
JZ2328 VERTICALLY IN THE WEST FACE OF THE CONCRETE FOUNDATION OF THE
JZ2328 BRICK SCHOOL, 1.5 FEET SOUTH OF THE NORTHWEST CORNER AND 1.3
JZ2328 FEET ABOVE THE GROUND.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2371 **********

JZ2371 DESIGNATION - C 235
JZ2371 PID - JZ2371
JZ2371 STATE/COUNTY- IN/MADISON
JZ2371 USGS QUAD - INGALLS
JZ2371
JZ2371 HORZ DATUM - NAD 83
JZ2371 VERT DATUM - NAVD 88
JZ2371
JZ2371 POSITION - 39 56 41. (N) 085 49 33. (W) SCALED
JZ2371 83 minus 27 - +00. -00. NADCON
JZ2371
JZ2371 HEIGHT - 260.877 (meters) 855.89 (feet) ADJUST
JZ2371 88 minus 29 - -0.131 ADJ UNCHK

JZ2371 **********

JZ2371 GEOID HEIGHT- -34.03 GEOID93
JZ2371 MODELED GRAV- 980,062.3 NAVD88
JZ2371
JZ2371 VERT ORDER - FIRST CLASS 2
JZ2371
JZ2371 The horizontal coordinates were scaled from a topographic map and have
JZ2371 an estimated accuracy of +/- 6 seconds.
JZ2371
JZ2371 The orthometric height was determined by differential leveling
JZ2371 and adjusted by the National Geodetic Survey in June 1991.
JZ2371
JZ2371 The geoid height was determined by GEOID93.
JZ2371
JZ2371 The modeled gravity was interpolated from observed gravity values.
JZ2371
JZ2371 STATION MARK IS A BENCH MARK DISK
JZ2371 WITH SETTING: SET IN A LIGHT STRUCTURE
JZ2371 THE MARK IS STAMPED: C 235 1947
JZ2371 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
JZ2371
JZ2371 HISTORY - Year Condition Recov. By
JZ2371 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2371
JZ2371 STATION DESCRIPTION
JZ2371
JZ2371 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2371 ABOUT 1.25 MILES SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
JZ2371 FROM THE POST OFFICE AT INGALLS, ABOUT 1.3 MILES NORTHEAST OF
JZ2371 THE STATION AT FORTVILLE, ABOUT 140 YARDS NORTHEAST OF THE
JZ2371 MADISON-HANCOCK COUNTY LINE, SET IN THE TOP OF THE NORTHEAST
JZ2371 END OF THE NORTHWEST HEAD WALL OF AN 8 BY 4 FOOT CONCRETE BOX
JZ2371 CULVERT UNDER STATE HIGHWAY 67, 72 FEET SOUTHEAST OF THE SOUTHEAST
JZ2371 RAIL OF THE MAIN TRACK, 55 FEET SOUTH OF POLE 261/47, 13.5 FEET
JZ2371 NORTHWEST OF THE NORTHWEST EDGE OF THE PAVEMENT OF THE HIGHWAY
JZ2371 AND ABOUT 3.5 FEET BELOW THE TRACK.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2372 **********

JZ2372 DESIGNATION - N 4
JZ2372 PID - JZ2372
JZ2372 STATE/COUNTY- IN/MADISON
JZ2372 USGS QUAD - INGALLS
JZ2372
JZ2372 HORZ DATUM - NAD 83
JZ2372 VERT DATUM - NAVD 88
JZ2372
JZ2372 POSITION - 39 57 12. (N) 085 48 36. (W) SCALED
JZ2372 83 minus 27 - +00. -00. NADCON
JZ2372
JZ2372 HEIGHT - 261.194 (meters) 856.93 (feet) ADJUST
JZ2372 88 minus 29 - -0.131 ADJ UNCHK

JZ2372 **********

JZ2372 GEOID HEIGHT- -34.03 GEOID93
JZ2372 MODELED GRAV- 980,063.1 NAVD88
JZ2372
JZ2372 VERT ORDER - FIRST CLASS 2
JZ2372
JZ2372 The horizontal coordinates were scaled from a topographic map and have
JZ2372 an estimated accuracy of +/- 6 seconds.
JZ2372
JZ2372 The orthometric height was determined by differential leveling
JZ2372 and adjusted by the National Geodetic Survey in June 1991.
JZ2372
JZ2372 The geoid height was determined by GEOID93.
JZ2372
JZ2372 The modeled gravity was interpolated from observed gravity values.
JZ2372
JZ2372 STATION MARK IS A BENCH MARK DISK
JZ2372 WITH SETTING: SET IN A MASSIVE STRUCTURE
JZ2372 THE MARK IS STAMPED: N 4 ELEV 857.364 FT
JZ2372 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
JZ2372
JZ2372 HISTORY - Year Condition Recov. By
JZ2372 HISTORY - UNK STATION MONUMENTED NATIONAL GEODETIC SURVEY
JZ2372 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
JZ2372
JZ2372 STATION DESCRIPTION
JZ2372
JZ2372 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
JZ2372 ABOUT 0.25 MILE SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
JZ2372 FROM THE POST OFFICE AT INGALLS, ABOUT 0.15 MILE NORTHEAST OF
JZ2372 MILE POST 261, SET IN THE TOP OF THE NORTHWEST END OF THE
JZ2372 NORTHEAST CONCRETE ABUTMENT OF STEEL RAILROAD BRIDGE NO. 428
JZ2372 OVER LICK CREEK, 5.5 FEET NORTHWEST OF THE NORTHWEST RAIL AND
JZ2372 ABOUT 1.5 FEET BELOW THE TRACK. NOTE-- THE DISK IS BATTERED
JZ2372 SO THAT THE STAMPING IS BARELY LEGIBLE BUT DISK IS TIGHTLY IN
JZ2372 PLACE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2373 **********
JZ2373 DESIGNATION - B 235
JZ2373 PID - JZ2373
JZ2373 STATE/COUNTY- IN/MADISON
JZ2373 USGS QUAD - INGALLS
JZ2373
JZ2373 HORZ DATUM - NAD 83
JZ2373 VERT DATUM - NAVD 88
JZ2373
JZ2373 POSITION - 39 57 36. (N) 085 47 48. (W) SCALED
JZ2373 83 minus 27 - +00. -00. NADCON
JZ2373
JZ2373 HEIGHT - 264.834 (meters) 868.88 (feet) ADJUST
JZ2373 88 minus 29 - -0.132 ADJ UNCHK
JZ2373 **********
JZ2373 GEOID HEIGHT- -34.03 GEOID93
JZ2373 MODELED GRAV- 980,063.8 NAVD88
JZ2373
JZ2373 VERT ORDER - FIRST CLASS 2
JZ2373
JZ2373 The horizontal coordinates were scaled from a topographic map and have
JZ2373 an estimated accuracy of +/- 6 seconds.
JZ2373
JZ2373 The orthometric height was determined by differential leveling
JZ2373 and adjusted by the National Geodetic Survey in June 1991.
JZ2373
JZ2373 The geoid height was determined by GEOID93.
JZ2373
JZ2373 The modeled gravity was interpolated from observed gravity values.
JZ2373
JZ2373 STATION MARK IS A BENCH MARK DISK
JZ2373 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2373 THE MARK IS STAMPED: B 235 1947
JZ2373 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2373 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2373
JZ2373 HISTORY - Year Condition Recov. By
JZ2373 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2373
JZ2373 STATION DESCRIPTION
JZ2373
JZ2373 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2373 ABOUT 0.6 MILE NORTHEAST ALONG THE NEW YORK CENTRAL RAILROAD
JZ2373 FROM THE POST OFFICE AT INGALLS, AT A GRAVEL ROAD CROSSING,
JZ2373 47 FEET SOUTHEAST AND ACROSS THE TRACK FROM MILE POST 260, 50 FEET
JZ2373 SOUTHWEST OF THE CENTER LINE OF THE GRAVEL ROAD 20 FEET NORTHWEST
JZ2373 OF THE NORTHWEST EDGE OF THE PAVEMENT OF STATE HIGHWAY 67, 17.5
JZ2373 FEET NORTHEAST OF POLE 259/54, 19 FEET SOUTHEAST OF THE SOUTHEAST
JZ2373 RAIL, 1.5 FEET NORTHEAST OF A WHITE WOODEN WITNESS POST, 1 FOOT
JZ2373 BELOW THE TRACK AND SET IN THE TOP OF A CONCRETE POST PROJECTING
JZ2373 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2374 **********

JZ2374 DESIGNATION - A 235
JZ2374 PID - JZ2374
JZ2374 STATE/COUNTY- IN/MADISON
JZ2374 USGS QUAD - INGALLS
JZ2374
JZ2374 HORZ DATUM - NAD 83
JZ2374 VERT DATUM - NAVD 88
JZ2374
JZ2374 POSITION - 39 58 06. (N) 085 46 51. (W) SCALED
JZ2374 83 minus 27 - +00. -00. NADCON
JZ2374
JZ2374 HEIGHT - 262.857 (meters) 862.39 (feet) ADJUST
JZ2374 88 minus 29 - -0.132 ADJ UNCHK

JZ2374 **********

JZ2374 GEOID HEIGHT- -34.03 GEOID93
JZ2374 MODELED GRAV- 980,064.8 NAVD88
JZ2374
JZ2374 VERT ORDER - FIRST CLASS 2
JZ2374
JZ2374 The horizontal coordinates were scaled from a topographic map and have
JZ2374 an estimated accuracy of +/- 6 seconds.
JZ2374
JZ2374 The orthometric height was determined by differential leveling
JZ2374 and adjusted by the National Geodetic Survey in June 1991.
JZ2374
JZ2374 The geoid height was determined by GEOID93.
JZ2374
JZ2374 The modeled gravity was interpolated from observed gravity values.
JZ2374
JZ2374 STATION MARK IS A BENCH MARK DISK
JZ2374 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2374 THE MARK IS STAMPED: A 235 1947
JZ2374 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2374 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2374
JZ2374 HISTORY - Year Condition Recov. By
JZ2374 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2374
JZ2374 STATION DESCRIPTION
JZ2374
JZ2374 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2374 ABOUT 1.6 MILES NORTHEAST ALONG THE NEW YORK CENTRAL RAILROAD
JZ2374 FROM THE POST OFFICE AT INGALLS, ABOUT 3 1/2 POLES SOUTHWEST
JZ2374 OF A SEMAPHORE SIGNAL TOWER, 46 FEET SOUTHEAST AND ACROSS THE
JZ2374 TRACK FROM MILE POST 259, 18.5 FEET NORTHEAST OF POLE NO. 258/53,
JZ2374 18.5 FEET SOUTHEAST OF THE SOUTHEAST RAIL, 24 FEET NORTHWEST
JZ2374 OF THE NORTHWEST EDGE OF THE PAVEMENT OF STATE HIGHWAY 67, 2
JZ2374 FEET SOUTHWEST OF A WHITE WOODEN WITNESS POST, ABOUT 3 FEET BELOW
JZ2374 THE TRACK AND SET IN THE TOP OF A CONCRETE POST PROJECTING
JZ2374 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2375 **********

JZ2375 DESIGNATION - Z 234
JZ2375 PID - JZ2375
JZ2375 STATE/COUNTY- IN/MADISON
JZ2375 USGS QUAD - INGALLS
JZ2375
JZ2375 HORZ DATUM - NAD 83
JZ2375 VERT DATUM - NAVD 88
JZ2375
JZ2375 POSITION - 39 58 35. (N) 085 45 54. (W) SCALED
JZ2375 83 minus 27 - +00. -00. NADCON
JZ2375
JZ2375 HEIGHT - 262.784 (meters) 862.15 (feet) ADJUST
JZ2375 88 minus 29 - -0.132 ADJ UNCHK

JZ2375 **********

JZ2375 GEOID HEIGHT- -34.03 GEOID93
JZ2375 MODELED GRAV- 980,066.0 NAVD88
JZ2375
JZ2375 VERT ORDER - FIRST CLASS 2
JZ2375
JZ2375 The horizontal coordinates were scaled from a topographic map and have
JZ2375 an estimated accuracy of +/- 6 seconds.
JZ2375
JZ2375 The orthometric height was determined by differential leveling
JZ2375 and adjusted by the National Geodetic Survey in June 1991.
JZ2375
JZ2375 The geoid height was determined by GEOID93.
JZ2375
JZ2375 The modeled gravity was interpolated from observed gravity values.
JZ2375
JZ2375 STATION MARK IS A BENCH MARK DISK
JZ2375 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2375 THE MARK IS STAMPED: Z 234 1947
JZ2375 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2375 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2375
JZ2375 HISTORY - Year Condition Recov. By
JZ2375 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2375

STATION DESCRIPTION

JZ2375
JZ2375 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2375 ABOUT 2.5 MILES SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
JZ2375 FROM THE STATION AT PENDLETON, ABOUT 2.6 MILES NORTHEAST OF THE
JZ2375 POST OFFICE AT INGALLS, 71.5 FEET EAST AND ACROSS THE TRACKS
JZ2375 FROM MILE POST 258, 56 FEET SOUTHWEST OF POLE NO. 257/52, 23 FEET
JZ2375 NORTHWEST OF THE NORTHWEST EDGE OF THE PAVEMENT OF STATE HIGHWAY
JZ2375 67, 18.5 FEET SOUTHEAST OF THE SOUTHEAST RAIL, 2 FEET SOUTHWEST
JZ2375 OF A WHITE WOODEN WITNESS POST, ABOUT 6 FEET BELOW THE TRACK AND
JZ2375 SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2376 ***
JZ2376 DESIGNATION - O 4
JZ2376 PID   - JZ2376
JZ2376 STATE/COUNTY- IN/MADISON
JZ2376 USGS QUAD   - INGALLS
JZ2376
JZ2376 HORZ DATUM - NAD 83
JZ2376 VERT DATUM - NAVD 88
JZ2376
JZ2376 POSITION   - 39 58 47.06822(N)   085 45 34.76671(W)   ADJUSTED
JZ2376 83 minus 27 -   +00.14897   -00.08084   NADCON
JZ2376
JZ2376 HEIGHT   -   264.553 (meters)   867.95   (feet) ADJUST
JZ2376 88 minus 29 -   -0.132   ADJ UNCHK
JZ2376 ***
JZ2376 LAPLACE CORR-   0.05   DEFLEC93
JZ2376 GEOID HEIGHT-   -34.03   GEOID93
JZ2376 MODELED GRAV-   980,066.5   NAVD88
JZ2376
JZ2376 HORZ ORDER - THIRD
JZ2376 VERT ORDER - FIRST   CLASS 2
JZ2376
JZ2376 The horizontal coordinates were established by GPS observations
JZ2376 and adjusted by the National Geodetic Survey in February 1989.
JZ2376
JZ2376 The orthometric height was determined by differential leveling
JZ2376 and adjusted by the National Geodetic Survey in June 1991.
JZ2376
JZ2376 The Laplace correction was computed from DEFLEC93 derived deflections.
JZ2376
JZ2376 The geoid height was determined by GEOID93.
JZ2376
JZ2376 The modeled gravity was interpolated from observed gravity values.
JZ2376

		North	East	Scale	Converg.	
JZ2376 SPC IN E	-	525,272.426	92,057.079	0.99996744	-0 03 35.1	MT
JZ2376 UTM 16	-	4,426,245.304	605,908.013	0.99973808	+0 47 49.3	MT

JZ2376
JZ2376 STATION MARK IS A BENCH MARK DISK
JZ2376 WITH SETTING: SET IN A LIGHT STRUCTURE
JZ2376 THE MARK IS STAMPED: O 4 ELEV 868.437 FT
JZ2376 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
JZ2376 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
JZ2376 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
JZ2376

JZ2376 HISTORY	- Year	Condition	Recov. By
JZ2376 HISTORY	- UNK	STATION MONUMENTED	NATIONAL GEODETIC SURVEY
JZ2376 HISTORY	- 1947	GOOD	NATIONAL GEODETIC SURVEY
JZ2376 HISTORY	- 1988	GOOD	NATIONAL GEODETIC SURVEY

JZ2376
JZ2376 STATION DESCRIPTION
JZ2376
JZ2376 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
JZ2376 ABOUT 2.1 MILES SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
JZ2376 FROM THE STATION AT PENDLETON, SET IN THE TOP OF THE NORTH
JZ2376 CONCRETE COPING OF THE NORTH WING WALL OF A MASONRY STONE AND
JZ2376 CONCRETE CULVERT NO. 425, BETWEEN POLES NO. 257/31 AND 257/32,
JZ2376 23.5 FEET NORTHWEST OF THE NORTHWEST RAIL OF THE MAIN TRACK, 57
JZ2376 FEET NORTHEAST OF A SIDING SWITCH STAND AND ABOUT 2.5 FEET

JZ2376 BELOW THE TRACK.
JZ2376
JZ2376 STATION RECOVERY (1988)
JZ2376
JZ2376 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1988
JZ2376 THE STATION IS LOCATED ABOUT 35.4 KM (22.00 MI) WEST OF NEW CASTLE,
JZ2376 8.0 KM (4.95 MI) SOUTH OF INTERSTATE HIGHWAY 69, 3.4 KM (2.10 MI)
JZ2376 SOUTHWEST OF PENDLETON AND ON HIGHWAY RIGHT-OF-WAY.
JZ2376 OWNERSHIP--INDIANA DEPARTMENT OF HIGHWAYS, 100 NORTH SENATE AVENUE,
JZ2376 ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS, IN 46204, PHONE
JZ2376 317-232-5533.
JZ2376 TO REACH THE STATION FROM THE STATE POLICE POST AT THE JUNCTION OF
JZ2376 STATE HIGHWAYS 9 AND 67 IN PENDLETON, GO SOUTHWEST ON STATE HIGHWAY
JZ2376 67 AND U.S. HIGHWAY 36 FOR 0.72 KM (0.45 MI) TO A LARGE STONE CULVERT
JZ2376 ON THE RIGHT AND THE STATION. TO GET CLOSER TO STATION, CONTINUE
JZ2376 SOUTHWEST FOR 1.13 KM (0.70 MI) TO A CROSSROAD. TURN RIGHT, CROSSING
JZ2376 OVER RAILROAD TRACKS, FOR 0.08 KM (0.05 MI) TO A GRAVEL ROAD RIGHT.
JZ2376 TURN RIGHT AND GO NORTHEAST ALONG THE NORTH SIDE OF TRACKS FOR 1.13
JZ2376 KM (0.70 MI) TO MARK ON THE RIGHT ABOUT 15 FEET HIGHER THAN ROADWAY.
JZ2376 THE STATION IS A STANDARD CGS BENCH MARK DISK STAMPED---0 4 ELEV
JZ2376 868.437 FT---, SET IN A DRILL IN THE TOP OF CULVERT. LOCATED 16.8 M
JZ2376 (55.1 FT) SLOPE DISTANCE, FROM CENTER OF GRAVEL ROAD, 6.8 M (22.3 FT)
JZ2376 NORTH FROM NORTH RAIL AND 0.3 M (1.0 FT) WEST FROM EAST END OF
JZ2376 CULVERT.
JZ2376 GPS SURVEY, FAA AIRPORTS, INDIANA.
JZ2376 DESCRIBED BY D.A. BOWLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2377 **********
JZ2377 DESIGNATION - Y 234
JZ2377 PID - JZ2377
JZ2377 STATE/COUNTY- IN/MADISON
JZ2377 USGS QUAD -
JZ2377
JZ2377 HORZ DATUM - NAD 83
JZ2377 VERT DATUM - NAVD 88
JZ2377
JZ2377 POSITION - 39 59 04. (N) 085 44 59. (W) SCALED
JZ2377 83 minus 27 - +00. -00. NADCON
JZ2377
JZ2377 HEIGHT - 267.964 (meters) 879.15 (feet) ADJUST
JZ2377 88 minus 29 - -0.132 ADJ UNCHK
JZ2377 **********
JZ2377 GEOID HEIGHT- -34.03 GEOID93
JZ2377 MODELED GRAV- 980,067.3 NAVD88
JZ2377
JZ2377 VERT ORDER - FIRST CLASS 2
JZ2377
JZ2377 The horizontal coordinates were scaled from a topographic map and have
JZ2377 an estimated accuracy of +/- 6 seconds.
JZ2377
JZ2377 The orthometric height was determined by differential leveling
JZ2377 and adjusted by the National Geodetic Survey in June 1991.
JZ2377
JZ2377 The geoid height was determined by GEOID93.
JZ2377
JZ2377 The modeled gravity was interpolated from observed gravity values.
JZ2377
JZ2377 STATION MARK IS A BENCH MARK DISK
JZ2377 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2377 THE MARK IS STAMPED: Y 234 1947
JZ2377 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2377 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2377
JZ2377 HISTORY - Year Condition Recov. By
JZ2377 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2377
JZ2377 STATION DESCRIPTION
JZ2377
JZ2377 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2377 ABOUT 1.5 MILES SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
JZ2377 FROM THE STATION AT PENDLETON, ABOUT 0.1 MILE NORTHEAST ALONG
JZ2377 STATE HIGHWAY 67 FROM ITS JUNCTION WITH STATE HIGHWAY 9 LEADING
JZ2377 SOUTH, 64 FEET SOUTHEAST AND ACROSS THE TRACK FROM MILE POST
JZ2377 257, 23.5 FEET NORTHWEST OF THE NORTHWEST EDGE OF STATE HIGHWAY
JZ2377 67, 7.5 FEET NORTHEAST OF POLE NO. 256/53, 35 FEET SOUTHEAST OF
JZ2377 THE SOUTHEAST RAIL OF THE TRACK, 2 FEET SOUTHWEST OF A WHITE
JZ2377 WOODEN WITNESS POST, ABOUT 1 FOOT ABOVE THE TRACK AND SET IN
JZ2377 THE TOP OF A CONCRETE POST PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2378 **********

JZ2378 DESIGNATION - X 234
JZ2378 PID - JZ2378
JZ2378 STATE/COUNTY- IN/MADISON
JZ2378 USGS QUAD - PENDLETON
JZ2378
JZ2378 HORZ DATUM - NAD 83
JZ2378 VERT DATUM - NAVD 88
JZ2378
JZ2378 POSITION - 39 59 42. (N) 085 44 17. (W) SCALED
JZ2378 83 minus 27 - +00. -00. NADCON
JZ2378
JZ2378 HEIGHT - 266.748 (meters) 875.15 (feet) ADJUST
JZ2378 88 minus 29 - -0.134 ADJ UNCHK
JZ2378 **********
JZ2378 GEOID HEIGHT- -34.03 GEOID93
JZ2378 MODELED GRAV- 980,069.0 NAVD88
JZ2378
JZ2378 VERT ORDER - FIRST CLASS 2
JZ2378
JZ2378 The horizontal coordinates were scaled from a topographic map and have
JZ2378 an estimated accuracy of +/- 6 seconds.
JZ2378
JZ2378 The orthometric height was determined by differential leveling
JZ2378 and adjusted by the National Geodetic Survey in June 1991.
JZ2378
JZ2378 The geoid height was determined by GEOID93.
JZ2378
JZ2378 The modeled gravity was interpolated from observed gravity values.
JZ2378
JZ2378 STATION MARK IS A BENCH MARK DISK
JZ2378 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2378 THE MARK IS STAMPED: X 234 1947
JZ2378 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2378 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2378
JZ2378 HISTORY - Year Condition Recov. By
JZ2378 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2378
JZ2378 STATION DESCRIPTION
JZ2378
JZ2378 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2378 ABOUT 0.5 MILE SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD FROM
JZ2378 THE STATION AT PENDLETON, 58 FEET SOUTHEAST AND ACROSS THE TRACK
JZ2378 FROM MILE POST 256, 26 FEET SOUTHEAST OF THE SOUTHEAST RAIL
JZ2378 OF THE TRACK, 8 FEET NORTHEAST OF POLE NO. 255/53, 29.5 FEET
JZ2378 NORTHWEST OF THE NORTHWEST EDGE OF THE PAVEMENT OF STATE HIGHWAYS
JZ2378 67 AND 9, 2 FEET SOUTHWEST OF A WHITE WOODEN WITNESS POST, ABOUT
JZ2378 6 FEET BELOW THE TRACK AND SET IN THE TOP OF A CONCRETE POST
JZ2378 PROJECTING 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2379 **********
JZ2379 DESIGNATION - W 234
JZ2379 PID - JZ2379
JZ2379 STATE/COUNTY- IN/MADISON
JZ2379 USGS QUAD - ANDERSON SOUTH
JZ2379
JZ2379 HORZ DATUM - NAD 83
JZ2379 VERT DATUM - NAVD 88
JZ2379
JZ2379 POSITION - 40 00 02. (N) 085 44 15. (W) SCALED
JZ2379 83 minus 27 - +00. -00. NADCON
JZ2379
JZ2379 HEIGHT - 266.564 (meters) 874.55 (feet) ADJUST
JZ2379 88 minus 29 - -0.132 ADJ UNCHK
JZ2379 **********
JZ2379 GEOID HEIGHT- -34.03 GEOID93
JZ2379 MODELED GRAV- 980,064.6 NAVD88
JZ2379
JZ2379 VERT ORDER - FIRST CLASS 2
JZ2379
JZ2379 The horizontal coordinates were scaled from a topographic map and have
JZ2379 an estimated accuracy of +/- 6 seconds.
JZ2379
JZ2379 The orthometric height was determined by differential leveling
JZ2379 and adjusted by the National Geodetic Survey in June 1991.
JZ2379
JZ2379 The geoid height was determined by GEOID93.
JZ2379
JZ2379 The modeled gravity was interpolated from observed gravity values.
JZ2379
JZ2379 STATION MARK IS A BENCH MARK DISK
JZ2379 WITH SETTING: SET IN A MASSIVE STRUCTURE
JZ2379 THE MARK IS STAMPED: W 234 1947
JZ2379 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
JZ2379
JZ2379 HISTORY - Year Condition Recov. By
JZ2379 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2379
JZ2379 STATION DESCRIPTION
JZ2379
JZ2379 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2379 ABOUT 0.1 MILE SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
JZ2379 FROM THE STATION AT PENDLETON, SET IN THE TOP OF THE NORTH WING
JZ2379 WALL OF THE RAILROAD OVERPASS BRIDGE OVER STATE HIGHWAY 38,
JZ2379 ACROSS TRACKS FROM POLE NO. 255/33, 10 FEET NORTHWEST OF AND
JZ2379 ABOUT 3 FEET BELOW THE TRACK.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2403 **********

JZ2403 DESIGNATION - G 44
JZ2403 PID - JZ2403
JZ2403 STATE/COUNTY- IN/MADISON
JZ2403 USGS QUAD - SHIRLEY
JZ2403
JZ2403 HORZ DATUM - NAD 83
JZ2403 VERT DATUM - NAVD 88
JZ2403
JZ2403 POSITION - 39 56 45. (N) 085 36 11. (W) SCALED
JZ2403 83 minus 27 - +00. -00. NADCON
JZ2403
JZ2403 HEIGHT - 299.552 (meters) 982.78 (feet) ADJUST
JZ2403 88 minus 29 - -0.129 ADJ UNCHK

JZ2403 **********

JZ2403 GEOID HEIGHT- -33.99 GEOID93
JZ2403 MODELED GRAV- 980,061.3 NAVD88
JZ2403
JZ2403 VERT ORDER - SECOND CLASS 0
JZ2403
JZ2403 The horizontal coordinates were scaled from a topographic map and have
JZ2403 an estimated accuracy of +/- 6 seconds.
JZ2403
JZ2403 The orthometric height was determined by differential leveling
JZ2403 and adjusted by the National Geodetic Survey in June 1991.
JZ2403
JZ2403 The geoid height was determined by GEOID93.
JZ2403
JZ2403 The modeled gravity was interpolated from observed gravity values.
JZ2403
JZ2403 STATION MARK IS A BENCH MARK DISK
JZ2403 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2403 THE MARK IS STAMPED: G 44 1934
JZ2403 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2403 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2403
JZ2403 HISTORY - Year Condition Recov. By
JZ2403 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2403
JZ2403 STATION DESCRIPTION
JZ2403
JZ2403 DESCRIBED BY NATIONAL GEODETIC SURVEY 1934
JZ2403 IN MADISON COUNTY, 4.1 MILES NORTHWEST ALONG THE CLEVELAND,
JZ2403 CINCINNATI, CHICAGO AND ST. LOUIS RAILWAY FROM THE STATION AT
JZ2403 SHIRLEY, HANCOCK COUNTY, 2.1 MILES SOUTHEAST OF THE STATION AT
JZ2403 MARKLEVILLE, MADISON COUNTY, 2-1/2 RAILS NORTH OF MILEPOST ST.
JZ2403 J 177, ACROSS THE TRACK FROM POLE 176/41, IN THE NORTHEAST ANGLE
JZ2403 OF A DIRT-ROAD CROSSING, 40.5 FEET NORTH OF THE CENTERLINE OF
JZ2403 THE ROAD, 28.2 FEET EAST OF THE EAST RAIL, 1.5 FEET WEST OF A
JZ2403 WIRE FENCE, AND LEVEL WITH THE TOP OF THE RAIL. A STANDARD DISK,
JZ2403 STAMPED G 44 1934 AND SET IN THE TOP OF A CONCRETE POST.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2404 **********

JZ2404 DESIGNATION - 457
JZ2404 PID - JZ2404
JZ2404 STATE/COUNTY- IN/MADISON
JZ2404 USGS QUAD - SHIRLEY
JZ2404
JZ2404 HORZ DATUM - NAD 83
JZ2404 VERT DATUM - NAVD 88
JZ2404
JZ2404 POSITION - 39 58 14. (N) 085 36 51. (W) SCALED
JZ2404 83 minus 27 - +00. -00. NADCON
JZ2404
JZ2404 HEIGHT - 290.015 (meters) 951.49 (feet) ADJUST
JZ2404 88 minus 29 - -0.131 ADJ UNCHK

JZ2404 **********

JZ2404 GEOID HEIGHT- -33.99 GEOID93
JZ2404 MODELED GRAV- 980,064.5 NAVD88
JZ2404
JZ2404 VERT ORDER - SECOND CLASS 0
JZ2404
JZ2404 The horizontal coordinates were scaled from a topographic map and have
JZ2404 an estimated accuracy of +/- 6 seconds.
JZ2404
JZ2404 The orthometric height was determined by differential leveling
JZ2404 and adjusted by the National Geodetic Survey in June 1991.
JZ2404
JZ2404 The geoid height was determined by GEOID93.
JZ2404
JZ2404 The modeled gravity was interpolated from observed gravity values.
JZ2404
JZ2404 STATION MARK IS A RIVET
JZ2404 WITH SETTING: SET IN A MASSIVE STRUCTURE
JZ2404 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
JZ2404
JZ2404 HISTORY - Year Condition Recov. By
JZ2404 HISTORY - UNK STATION MONUMENTED SOUTHERN RAILROAD
JZ2404 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
JZ2404
JZ2404 STATION DESCRIPTION
JZ2404
JZ2404 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
JZ2404 0.4 MILE SOUTH ALONG THE CLEVELAND, CINCINNATI, CHICAGO AND ST.
JZ2404 LOUIS RAILWAY FROM THE STATION AT MARKLEVILLE, MADISON COUNTY, 3
JZ2404 RAILS NORTH OF A DIRT-ROAD CROSSING, 2 RAILS SOUTH OF A SWITCH
JZ2404 TARGET, AT POLE 175/09, AT THE NORTHEAST CORNER OF BRIDGE 457,
JZ2404 IN THE TOP OF THE CONCRETE BACK WALL, 8.9 FEET EAST OF THE EAST
JZ2404 RAIL, AND ABOUT 2 FEET LOWER THAN THE TOP OF THE RAIL.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2405 **********

JZ2405 DESIGNATION - H 44
JZ2405 PID - JZ2405
JZ2405 STATE/COUNTY- IN/MADISON
JZ2405 USGS QUAD - SHIRLEY
JZ2405
JZ2405 HORZ DATUM - NAD 83
JZ2405 VERT DATUM - NAVD 88
JZ2405
JZ2405 POSITION - 39 58 33. (N) 085 36 56. (W) SCALED
JZ2405 83 minus 27 - +00. -00. NADCON
JZ2405
JZ2405 HEIGHT - 293.817 (meters) 963.97 (feet) ADJUST
JZ2405 88 minus 29 - -0.133 ADJ UNCHK

JZ2405 **********

JZ2405 GEOID HEIGHT- -33.99 GEOID93
JZ2405 MODELED GRAV- 980,065.3 NAVD88
JZ2405
JZ2405 VERT ORDER - SECOND CLASS 0
JZ2405
JZ2405 The horizontal coordinates were scaled from a topographic map and have
JZ2405 an estimated accuracy of +/- 6 seconds.
JZ2405
JZ2405 The orthometric height was determined by differential leveling
JZ2405 and adjusted by the National Geodetic Survey in June 1991.
JZ2405
JZ2405 The geoid height was determined by GEOID93.
JZ2405
JZ2405 The modeled gravity was interpolated from observed gravity values.
JZ2405
JZ2405 STATION MARK IS A BENCH MARK DISK
JZ2405 WITH SETTING: SET IN A MASSIVE STRUCTURE
JZ2405 THE MARK IS STAMPED: H 44 1934
JZ2405 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
JZ2405
JZ2405 HISTORY - Year Condition Recov. By
JZ2405 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2405 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
JZ2405
JZ2405 STATION DESCRIPTION
JZ2405
JZ2405 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
JZ2405 AT MARKLEVILLE, MADISON COUNTY, AT THE PUBLIC SCHOOL, 49 YARDS
JZ2405 NORTH OF THE CENTER LINE OF THE ROAD, IN THE SOUTH FACE OF THE
JZ2405 BUILDING, 0.8 FOOT WEST OF THE SOUTH ENTRANCE, AND 3.7 FEET ABOVE
JZ2405 THE SURFACE OF THE TOP STEP.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2406 **********

JZ2406 DESIGNATION - J 44
JZ2406 PID - JZ2406
JZ2406 STATE/COUNTY- IN/MADISON
JZ2406 USGS QUAD - SHIRLEY
JZ2406
JZ2406 HORZ DATUM - NAD 83
JZ2406 VERT DATUM - NAVD 88
JZ2406
JZ2406 POSITION - 39 58 43. (N) 085 37 08. (W) SCALED
JZ2406 83 minus 27 - +00. -00. NADCON
JZ2406
JZ2406 HEIGHT - 290.006 (meters) 951.46 (feet) ADJUST
JZ2406 88 minus 29 - -0.134 ADJ UNCHK

JZ2406 **********

JZ2406 GEOID HEIGHT- -33.99 GEOID93
JZ2406 MODELED GRAV- 980,065.6 NAVD88
JZ2406
JZ2406 VERT ORDER - SECOND CLASS 0
JZ2406
JZ2406 The horizontal coordinates were scaled from a topographic map and have
JZ2406 an estimated accuracy of +/- 6 seconds.
JZ2406
JZ2406 The orthometric height was determined by differential leveling
JZ2406 and adjusted by the National Geodetic Survey in June 1991.
JZ2406
JZ2406 The geoid height was determined by GEOID93.
JZ2406
JZ2406 The modeled gravity was interpolated from observed gravity values.
JZ2406
JZ2406 STATION MARK IS A BENCH MARK DISK
JZ2406 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2406 THE MARK IS STAMPED: J 44 1934
JZ2406 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2406 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2406
JZ2406 HISTORY - Year Condition Recov. By
JZ2406 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2406 HISTORY - 1947 GOOD NATIONAL GEODETIC SURVEY
JZ2406

STATION DESCRIPTION

JZ2406
JZ2406 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
JZ2406 AT MARKLEVILLE, MADISON COUNTY, ON THE CLEVELAND, CINCINNATI,
JZ2406 CHICAGO AND ST. LOUIS RAILWAY, 4.3 FEET SOUTHWEST OF POLE 174/25,
JZ2406 IN THE NORTHWEST ANGLE OF THE CROSSING OF STATE HIGHWAY 38, 34
JZ2406 FEET NORTH OF THE NORTH CURB OF THE HIGHWAY, 28 FEET WEST OF
JZ2406 THE WEST RAIL, 2.1 FEET EAST OF A WIRE FENCE, AND ABOUT 1 FOOT
JZ2406 LOWER THAN THE TOP OF THE RAIL.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2432 **********

JZ2432 DESIGNATION - D 240
JZ2432 PID - JZ2432
JZ2432 STATE/COUNTY- IN/MADISON
JZ2432 USGS QUAD - PENDLETON
JZ2432
JZ2432 HORZ DATUM - NAD 83
JZ2432 VERT DATUM - NAVD 88
JZ2432
JZ2432 POSITION - 39 59 52. (N) 085 43 45. (W) SCALED
JZ2432 83 minus 27 - +00. -00. NADCON
JZ2432
JZ2432 HEIGHT - 267.452 (meters) 877.47 (feet) ADJUST
JZ2432 88 minus 29 - -0.134 ADJ UNCHK

JZ2432 **********

JZ2432 GEOID HEIGHT- -34.02 GEOID93
JZ2432 MODELED GRAV- 980,069.2 NAVD88
JZ2432
JZ2432 VERT ORDER - SECOND CLASS 0
JZ2432
JZ2432 The horizontal coordinates were scaled from a topographic map and have
JZ2432 an estimated accuracy of +/- 6 seconds.
JZ2432
JZ2432 The orthometric height was determined by differential leveling
JZ2432 and adjusted by the National Geodetic Survey in June 1991.
JZ2432
JZ2432 The geoid height was determined by GEOID93.
JZ2432
JZ2432 The modeled gravity was interpolated from observed gravity values.
JZ2432
JZ2432 STATION MARK IS A BENCH MARK DISK
JZ2432 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2432 THE MARK IS STAMPED: D 240 1947
JZ2432 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2432 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2432
JZ2432 HISTORY - Year Condition Recov. By
JZ2432 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2432
JZ2432 STATION DESCRIPTION
JZ2432
JZ2432 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2432 ABOUT 0.6 MILE SOUTHEAST ALONG STATE HIGHWAY 38 FROM THE PUBLIC
JZ2432 LIBRARY AT PENDLETON, IN THE SOUTHEAST ANGLE OF THE INTERSECTION
JZ2432 WITH A NORTH-SOUTH GRAVEL ROAD, 29 FEET SOUTHWEST OF THE
JZ2432 CENTER LINE OF THE HIGHWAY, 36 FEET EAST OF THE CENTER LINE OF
JZ2432 THE NORTH-SOUTH ROAD, 15.5 FEET SOUTHEAST OF A FENCE CORNER, 4
JZ2432 FEET SOUTHEAST OF POWER LINE GUY POLE NUMBER 75-734, 1 FOOT
JZ2432 NORTHEAST OF A FENCE LINE, 2 FEET SOUTHEAST OF A WHITE WOODEN
JZ2432 WITNESS POST, 1 FOOT BELOW HIGHWAY LEVEL AND SET IN THE TOP
JZ2432 OF A CONCRETE POST PROJECTING ABOUT 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2433 **********

JZ2433 DESIGNATION - E 240
JZ2433 PID - JZ2433
JZ2433 STATE/COUNTY- IN/MADISON
JZ2433 USGS QUAD - PENDLETON
JZ2433
JZ2433 HORZ DATUM - NAD 83
JZ2433 VERT DATUM - NAVD 88
JZ2433
JZ2433 POSITION - 39 59 35. (N) 085 42 46. (W) SCALED
JZ2433 83 minus 27 - +00. -00. NADCON
JZ2433
JZ2433 HEIGHT - 272.748 (meters) 894.84 (feet) ADJUST
JZ2433 88 minus 29 - -0.133 ADJ UNCHK

JZ2433 **********

JZ2433 GEOID HEIGHT- -34.02 GEOID93
JZ2433 MODELED GRAV- 980,068.0 NAVD88
JZ2433
JZ2433 VERT ORDER - SECOND CLASS 0
JZ2433
JZ2433 The horizontal coordinates were scaled from a topographic map and have
JZ2433 an estimated accuracy of +/- 6 seconds.
JZ2433
JZ2433 The orthometric height was determined by differential leveling
JZ2433 and adjusted by the National Geodetic Survey in June 1991.
JZ2433
JZ2433 The geoid height was determined by GEOID93.
JZ2433
JZ2433 The modeled gravity was interpolated from observed gravity values.
JZ2433
JZ2433 STATION MARK IS A BENCH MARK DISK
JZ2433 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2433 THE MARK IS STAMPED: E 240 1947
JZ2433 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2433 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2433
JZ2433 HISTORY - Year Condition Recov. By
JZ2433 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2433

STATION DESCRIPTION

JZ2433
JZ2433 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2433 ABOUT 1.6 MILE SOUTHEAST ALONG STATE HIGHWAY 38 FROM THE PUBLIC
JZ2433 LIBRARY AT PENDLETON, AT THE ENTRANCE TO THE J.M. NAY FARM,
JZ2433 29.5 FEET NORTHEAST OF THE CENTER LINE OF THE HIGHWAY, 31.5 FEET
JZ2433 WEST OF THE CENTER LINE OF THE DRIVEWAY TO THE FARM HOUSE, 17.5
JZ2433 FEET NORTHWEST OF A FENCE CORNER, 27 FEET SOUTHEAST OF A
JZ2433 TELEPHONE POLE AND IN LINE WITH THE POLES, 1 FOOT SOUTHWEST
JZ2433 OF A FENCE LINE, 1 1/2 FEET SOUTHEAST OF A WHITE WOODEN WITNESS
JZ2433 POST, 1 FOOT BELOW HIGHWAY LEVEL AND SET IN THE TOP OF A CONCRETE
JZ2433 POST PROJECTING ABOUT 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2434 **********

JZ2434 DESIGNATION - F 240
JZ2434 PID - JZ2434
JZ2434 STATE/COUNTY- IN/MADISON
JZ2434 USGS QUAD - PENDLETON
JZ2434
JZ2434 HORZ DATUM - NAD 83
JZ2434 VERT DATUM - NAVD 88
JZ2434
JZ2434 POSITION - 39 59 23. (N) 085 42 04. (W) SCALED
JZ2434 83 minus 27 - +00. -00. NADCON
JZ2434
JZ2434 HEIGHT - 272.713 (meters) 894.72 (feet) ADJUST
JZ2434 88 minus 29 - -0.133 ADJ UNCHK

JZ2434 **********

JZ2434 GEOID HEIGHT- -34.02 GEOID93
JZ2434 MODELED GRAV- 980,067.2 NAVD88
JZ2434
JZ2434 VERT ORDER - SECOND CLASS 0
JZ2434
JZ2434 The horizontal coordinates were scaled from a topographic map and have
JZ2434 an estimated accuracy of +/- 6 seconds.
JZ2434
JZ2434 The orthometric height was determined by differential leveling
JZ2434 and adjusted by the National Geodetic Survey in June 1991.
JZ2434
JZ2434 The geoid height was determined by GEOID93.
JZ2434
JZ2434 The modeled gravity was interpolated from observed gravity values.
JZ2434
JZ2434 STATION MARK IS A BENCH MARK DISK
JZ2434 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2434 THE MARK IS STAMPED: F 240 1947
JZ2434 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2434 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2434
JZ2434 HISTORY - Year Condition Recov. By
JZ2434 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2434

STATION DESCRIPTION

JZ2434
JZ2434 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2434 ABOUT 2.3 MILES SOUTHEAST ALONG STATE HIGHWAY 38 FROM THE
JZ2434 PUBLIC LIBRARY AT PENDLETON, IN THE NORTHWEST ANGLE OF THE
JZ2434 INTERSECTION WITH A NORTH-SOUTH GRAVEL ROAD, 28 FEET NORTHEAST
JZ2434 OF THE CENTER LINE OF THE HIGHWAY, 29 FEET WEST OF THE CENTER
JZ2434 LINE OF THE NORTH-SOUTH ROAD, 13.5 FEET NORTHWEST OF A FENCE
JZ2434 CORNER, 1 FOOT SOUTHWEST OF A FENCE LINE, ABOUT 145 YARDS
JZ2434 SOUTHEAST OF R.C. MC CULLOUGHS VALLEY VIEW DAIRY BARN, 1.5 FEET
JZ2434 SOUTHEAST OF A WHITE WOODEN WITNESS POST, ABOUT LEVEL WITH THE
JZ2434 HIGHWAY AND SET IN THE TOP OF A CONCRETE POST PROJECTING ABOUT
JZ2434 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2435 **********

JZ2435 DESIGNATION - G 240
JZ2435 PID - JZ2435
JZ2435 STATE/COUNTY- IN/MADISON
JZ2435 USGS QUAD - PENDLETON
JZ2435
JZ2435 HORZ DATUM - NAD 83
JZ2435 VERT DATUM - NAVD 88
JZ2435
JZ2435 POSITION - 39 59 22. (N) 085 40 55. (W) SCALED
JZ2435 83 minus 27 - +00. -00. NADCON
JZ2435
JZ2435 HEIGHT - 273.465 (meters) 897.19 (feet) ADJUST
JZ2435 88 minus 29 - -0.133 ADJ UNCHK

JZ2435 **********

JZ2435 GEOID HEIGHT- -34.02 GEOID93
JZ2435 MODELED GRAV- 980,067.0 NAVD88
JZ2435
JZ2435 VERT ORDER - SECOND CLASS 0
JZ2435
JZ2435 The horizontal coordinates were scaled from a topographic map and have
JZ2435 an estimated accuracy of +/- 6 seconds.
JZ2435
JZ2435 The orthometric height was determined by differential leveling
JZ2435 and adjusted by the National Geodetic Survey in June 1991.
JZ2435
JZ2435 The geoid height was determined by GEOID93.
JZ2435
JZ2435 The modeled gravity was interpolated from observed gravity values.
JZ2435
JZ2435 STATION MARK IS A BENCH MARK DISK
JZ2435 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2435 THE MARK IS STAMPED: G 240 1947
JZ2435 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2435 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2435
JZ2435 HISTORY - Year Condition Recov. By
JZ2435 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2435
JZ2435 STATION DESCRIPTION
JZ2435
JZ2435 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2435 ABOUT 3.35 MILES SOUTHEAST ALONG STATE HIGHWAY 38 FROM THE
JZ2435 PUBLIC LIBRARY AT PENDLETON, IN THE SOUTHEAST ANGLE OF THE
JZ2435 INTERSECTION WITH A NORTH-SOUTH GRAVEL ROAD, 33 FEET SOUTH OF
JZ2435 THE CENTER LINE OF THE HIGHWAY, 35 FEET EAST OF THE CENTER LINE
JZ2435 OF THE NORTH-SOUTH ROAD, 15.5 FEET EAST OF A FENCE CORNER AND
JZ2435 POWER POLE NUMBER 68-563, 1 FOOT NORTH OF A FENCE LINE, 1 1/2
JZ2435 FEET WEST OF A WHITE WOODEN WITNESS POST, ABOUT 1 FOOT ABOVE
JZ2435 HIGHWAY LEVEL AND SET IN THE TOP OF A CONCRETE POST PROJECTING
JZ2435 ABOUT 6 INCHES. NOTE-- THIS MARK IS ABOUT 3.8 MILES NORTHWEST
JZ2435 ALONG STATE HIGHWAY 38 FROM THE CROSSROADS AT MARKLEVILLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2436 **********
JZ2436 DESIGNATION - H 240
JZ2436 PID - JZ2436
JZ2436 STATE/COUNTY- IN/MADISON
JZ2436 USGS QUAD - PENDLETON
JZ2436
JZ2436 HORZ DATUM - NAD 83
JZ2436 VERT DATUM - NAVD 88
JZ2436
JZ2436 POSITION - 39 59 23. (N) 085 40 00. (W) SCALED
JZ2436 83 minus 27 - +00. -00. NADCON
JZ2436
JZ2436 HEIGHT - 282.968 (meters) 928.37 (feet) ADJUST
JZ2436 88 minus 29 - -0.133 ADJ UNCHK
JZ2436 **********
JZ2436 GEOID HEIGHT- -34.01 GEOID93
JZ2436 MODELED GRAV- 980,067.0 NAVD88
JZ2436
JZ2436 VERT ORDER - SECOND CLASS 0
JZ2436
JZ2436 The horizontal coordinates were scaled from a topographic map and have
JZ2436 an estimated accuracy of +/- 6 seconds.
JZ2436
JZ2436 The orthometric height was determined by differential leveling
JZ2436 and adjusted by the National Geodetic Survey in June 1991.
JZ2436
JZ2436 The geoid height was determined by GEOID93.
JZ2436
JZ2436 The modeled gravity was interpolated from observed gravity values.
JZ2436
JZ2436 STATION MARK IS A BENCH MARK DISK
JZ2436 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2436 THE MARK IS STAMPED: H 240 1947
JZ2436 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2436 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2436
JZ2436 HISTORY - Year Condition Recov. By
JZ2436 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2436

STATION DESCRIPTION

JZ2436
JZ2436 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2436 ABOUT 3.0 MILES NORTHWEST ALONG STATE HIGHWAY 38 FROM THE
JZ2436 CROSSROADS AT MARKLEVILLE, IN THE NORTHWEST ANGLE OF THE JUNCTION
JZ2436 WITH A GRAVEL ROAD LEADING NORTH, 37 FEET WEST OF THE CENTER
JZ2436 LINE OF THE GRAVEL ROAD, 28 FEET NORTH OF THE CENTER LINE OF THE
JZ2436 HIGHWAY, 24 FEET WEST OF A FENCE CORNER, 15 FEET EAST OF A
JZ2436 TELEPHONE POLE, 1 FOOT SOUTH OF A FENCE LINE, 2 FEET EAST OF A
JZ2436 WHITE WOODEN WITNESS POST, ABOUT LEVEL WITH THE HIGHWAY AND
JZ2436 SET IN THE TOP OF A CONCRETE POST PROJECTING ABOUT 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2437 **********

JZ2437 DESIGNATION - J 240
JZ2437 PID - JZ2437
JZ2437 STATE/COUNTY- IN/MADISON
JZ2437 USGS QUAD - PENDLETON
JZ2437
JZ2437 HORZ DATUM - NAD 83
JZ2437 VERT DATUM - NAVD 88
JZ2437
JZ2437 POSITION - 39 59 12. (N) 085 39 08. (W) SCALED
JZ2437 83 minus 27 - +00. -00. NADCON
JZ2437
JZ2437 HEIGHT - 286.339 (meters) 939.43 (feet) ADJUST
JZ2437 88 minus 29 - -0.132 ADJ UNCHK

JZ2437 **********

JZ2437 GEOID HEIGHT- -34.01 GEOID93
JZ2437 MODELED GRAV- 980,066.7 NAVD88
JZ2437
JZ2437 VERT ORDER - SECOND CLASS 0
JZ2437
JZ2437 The horizontal coordinates were scaled from a topographic map and have
JZ2437 an estimated accuracy of +/- 6 seconds.
JZ2437
JZ2437 The orthometric height was determined by differential leveling
JZ2437 and adjusted by the National Geodetic Survey in June 1991.
JZ2437
JZ2437 The geoid height was determined by GEOID93.
JZ2437
JZ2437 The modeled gravity was interpolated from observed gravity values.
JZ2437
JZ2437 STATION MARK IS A BENCH MARK DISK
JZ2437 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2437 THE MARK IS STAMPED: J 240 1947
JZ2437 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2437 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2437
JZ2437 HISTORY - Year Condition Recov. By
JZ2437 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2437

STATION DESCRIPTION

JZ2437
JZ2437 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2437 ABOUT 2.15 MILES NORTHWEST ALONG STATE HIGHWAY 38 FROM THE
JZ2437 CROSSROADS AT MARKLEVILLE, IN THE SOUTHWEST ANGLE OF THE
JZ2437 INTERSECTION WITH A NORTH-SOUTH PAVED ROAD, 47.5 FEET WEST OF
JZ2437 THE CENTER LINE OF THE NORTH-SOUTH ROAD, 28.5 FEET SOUTHWEST
JZ2437 OF THE CENTER LINE OF THE HIGHWAY, 23 FEET NORTHWEST OF POWER POLE
JZ2437 NUMBER 812/1456, 22.5 FEET NORTHWEST OF A FENCE CORNER, 1.5
JZ2437 FEET NORTHEAST OF A FENCE LINE, 1.5 FEET SOUTHEAST OF A WHITE
JZ2437 WOODEN WITNESS POST, ABOUT LEVEL WITH THE HIGHWAY AND SET IN
JZ2437 THE TOP OF A CONCRETE POST PROJECTING ABOUT 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2438 **********

JZ2438 DESIGNATION - K 240
JZ2438 PID - JZ2438
JZ2438 STATE/COUNTY- IN/MADISON
JZ2438 USGS QUAD - PENDLETON
JZ2438
JZ2438 HORZ DATUM - NAD 83
JZ2438 VERT DATUM - NAVD 88
JZ2438
JZ2438 POSITION - 39 58 58. (N) 085 38 12. (W) SCALED
JZ2438 83 minus 27 - +00. -00. NADCON
JZ2438
JZ2438 HEIGHT - 283.676 (meters) 930.70 (feet) ADJUST
JZ2438 88 minus 29 - -0.13 UNADJ DIF

JZ2438 **********

JZ2438 GEOID HEIGHT- -34.00 GEOID93
JZ2438 MODELED GRAV- 980,066.2 NAVD88
JZ2438
JZ2438 VERT ORDER - SECOND CLASS 0
JZ2438
JZ2438 The horizontal coordinates were scaled from a topographic map and have
JZ2438 an estimated accuracy of +/- 6 seconds.
JZ2438
JZ2438 The orthometric height was determined by differential leveling
JZ2438 and adjusted by the National Geodetic Survey in June 1991.
JZ2438
JZ2438 The geoid height was determined by GEOID93.
JZ2438
JZ2438 The modeled gravity was interpolated from observed gravity values.
JZ2438
JZ2438 STATION MARK IS A BENCH MARK DISK
JZ2438 WITH SETTING: SET IN A LIGHT STRUCTURE
JZ2438 THE MARK IS STAMPED: K 240 1947
JZ2438 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
JZ2438
JZ2438 HISTORY - Year Condition Recov. By
JZ2438 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2438
JZ2438 STATION DESCRIPTION
JZ2438
JZ2438 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2438 ABOUT 1.25 MILE NORTHWEST ALONG STATE HIGHWAY 38 FROM THE CROSS
JZ2438 ROADS AT MARKLEVILLE, IN THE TOP OF THE EAST WINGWALL OF A 20-FOOT
JZ2438 CONCRETE BOX CULVERT OVER A DITCH, ABOUT 0.15 MILE NORTHWEST
JZ2438 OF THE JUNCTION WITH STATE HIGHWAY 109, 18 FEET NORTHEAST OF THE
JZ2438 CENTER LINE OF THE HIGHWAY AND ABOUT LEVEL WITH THE HIGHWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2439 **********
JZ2439 DESIGNATION - K 240 RESET 1953
JZ2439 PID - JZ2439
JZ2439 STATE/COUNTY- IN/MADISON
JZ2439 USGS QUAD - PENDLETON
JZ2439
JZ2439 HORZ DATUM - NAD 83
JZ2439 VERT DATUM - NGVD 29
JZ2439
JZ2439 POSITION - 39 58 58. (N) 085 38 12. (W) SCALED
JZ2439 83 minus 27 - +00. -00. NADCON
JZ2439
JZ2439 HEIGHT - 284.55 (meters) 933.6 (feet) RESET COMP
JZ2439 88 minus 29 - -0.13 VERTCON
JZ2439 **********
JZ2439 GEOID HEIGHT- -34.00 GEOID93
JZ2439
JZ2439 VERT ORDER - ?
JZ2439
JZ2439 The horizontal coordinates were scaled from a topographic map and have
JZ2439 an estimated accuracy of +/- 6 seconds.
JZ2439
JZ2439 The orthometric height was computed from unverified reset data.
JZ2439
JZ2439 The geoid height was determined by GEOID93.
JZ2439
JZ2439 STATION MARK IS A BENCH MARK DISK
JZ2439 WITH SETTING: SET IN A MASSIVE STRUCTURE
JZ2439 THE MARK IS STAMPED: K 240 RESET 1953
JZ2439 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
JZ2439
JZ2439 HISTORY - Year Condition Recov. By
JZ2439 HISTORY - 1953 STATION MONUMENTED INDIANA HIGHWAY DEPARTMENT
JZ2439 HISTORY - 1954 GOOD NATIONAL GEODETIC SURVEY
JZ2439
JZ2439 STATION DESCRIPTION
JZ2439
JZ2439 DESCRIBED BY NATIONAL GEODETIC SURVEY 1954
JZ2439 1.25 MILES NORTHWEST ALONG STATE HIGHWAY 38 FROM THE CROSSROADS
JZ2439 AT MARKLEVILLE, MADISON COUNTY, 0.15 MILE NORTHWEST OF THE
JZ2439 JUNCTION OF STATE HIGHWAY 109, AT A 72-FOOT REINFORCED-CONCRETE
JZ2439 SLAB BRIDGE OVER CROMWELL DITCH, IN THE EAST END OF THE NORTH
JZ2439 CURB, AND 14.5 FEET NORTH OF THE CENTERLINE OF THE ROADWAY.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2440 **********

JZ2440 DESIGNATION - L 240
JZ2440 PID - JZ2440
JZ2440 STATE/COUNTY- IN/MADISON
JZ2440 USGS QUAD - PENDLETON
JZ2440
JZ2440 HORZ DATUM - NAD 83
JZ2440 VERT DATUM - NAVD 88
JZ2440
JZ2440 POSITION - 39 59 20. (N) 085 43 46. (W) SCALED
JZ2440 83 minus 27 - +00. -00. NADCON
JZ2440
JZ2440 HEIGHT - 269.726 (meters) 884.93 (feet) ADJUST
JZ2440 88 minus 29 - -0.132 ADJ UNCHK

JZ2440 **********

JZ2440 GEOID HEIGHT- -34.02 GEOID93
JZ2440 MODELED GRAV- 980,067.8 NAVD88
JZ2440
JZ2440 VERT ORDER - SECOND CLASS 0
JZ2440
JZ2440 The horizontal coordinates were scaled from a topographic map and have
JZ2440 an estimated accuracy of +/- 6 seconds.
JZ2440
JZ2440 The orthometric height was determined by differential leveling
JZ2440 and adjusted by the National Geodetic Survey in June 1991.
JZ2440
JZ2440 The geoid height was determined by GEOID93.
JZ2440
JZ2440 The modeled gravity was interpolated from observed gravity values.
JZ2440
JZ2440 STATION MARK IS A BENCH MARK DISK
JZ2440 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2440 THE MARK IS STAMPED: L 240 1947
JZ2440 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2440 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2440
JZ2440 HISTORY - Year Condition Recov. By
JZ2440 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2440
JZ2440 STATION DESCRIPTION
JZ2440
JZ2440 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2440 ABOUT 0.6 MILE SOUTHEAST ALONG STATE HIGHWAY 38 FROM THE PUBLIC
JZ2440 LIBRARY AT PENDLETON, THENCE 0.65 MILE SOUTH ALONG A NORTH-SOUTH
JZ2440 ROAD, AT THE JUNCTION WITH A PAVED ROAD LEADING NORTHWEST, IN
JZ2440 THE FORKS OF THE JUNCTION, ABOUT 135 FEET NORTH OF THE CENTER
JZ2440 OF THE JUNCTION OF THE TWO ROADS, 17 FEET WEST OF THE CENTER
JZ2440 LINE OF THE NORTH-SOUTH ROAD, 48 FEET NORTHEAST OF THE CENTER
JZ2440 LINE OF THE ROAD LEADING NORTHWEST, 20.5 FEET NORTH OF A 20-INCH
JZ2440 WALNUT TREE, 1 1/2 FEET EAST OF A FENCE LINE, 1 1/2 FEET SOUTH OF
JZ2440 A WHITE WOODEN WITNESS POST, ABOUT LEVEL WITH THE ROAD AND
JZ2440 SET IN THE TOP OF A CONCRETE POST PROJECTING ABOUT 5 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2441 **********

JZ2441 DESIGNATION - M 240
JZ2441 PID - JZ2441
JZ2441 STATE/COUNTY- IN/MADISON
JZ2441 USGS QUAD - PENDLETON
JZ2441
JZ2441 HORZ DATUM - NAD 83
JZ2441 VERT DATUM - NAVD 88
JZ2441
JZ2441 POSITION - 39 58 28. (N) 085 43 45. (W) SCALED
JZ2441 83 minus 27 - +00. -00. NADCON
JZ2441
JZ2441 HEIGHT - 265.653 (meters) 871.56 (feet) ADJUST
JZ2441 88 minus 29 - -0.132 ADJ UNCHK

JZ2441 **********

JZ2441 GEOID HEIGHT- -34.03 GEOID93
JZ2441 MODELED GRAV- 980,065.2 NAVD88
JZ2441
JZ2441 VERT ORDER - SECOND CLASS 0
JZ2441
JZ2441 The horizontal coordinates were scaled from a topographic map and have
JZ2441 an estimated accuracy of +/- 6 seconds.
JZ2441
JZ2441 The orthometric height was determined by differential leveling
JZ2441 and adjusted by the National Geodetic Survey in June 1991.
JZ2441
JZ2441 The geoid height was determined by GEOID93.
JZ2441
JZ2441 The modeled gravity was interpolated from observed gravity values.
JZ2441
JZ2441 STATION MARK IS A BENCH MARK DISK
JZ2441 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2441 THE MARK IS STAMPED: M 240 1947
JZ2441 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2441 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2441
JZ2441 HISTORY - Year Condition Recov. By
JZ2441 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2441
JZ2441 STATION DESCRIPTION
JZ2441
JZ2441 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2441 ABOUT 0.6 MILE SOUTHEAST ALONG STATE HIGHWAY 38 FROM THE PUBLIC
JZ2441 LIBRARY AT PENDLETON, THENCE 1.7 MILE SOUTH ALONG A NORTH-SOUTH
JZ2441 ROAD, IN THE NORTHEAST ANGLE OF THE INTERSECTION WITH AN EAST-WEST
JZ2441 GRAVEL ROAD, 25 FEET EAST OF THE CENTER LINE OF THE NORTH-SOUTH
JZ2441 ROAD, 32 FEET NORTH OF THE CENTER LINE OF THE EAST-WEST ROAD,
JZ2441 16 FEET NORTHEAST OF A POWER POLE, 15.5 FEET NORTH OF A FENCE
JZ2441 CORNER, 1 FOOT WEST OF A FENCE LINE, 2 FEET SOUTH OF A WHITE
JZ2441 WOODEN WITNESS POST, ABOUT 2 FEET BELOW ROAD LEVEL AND SET IN
JZ2441 THE TOP OF A CONCRETE POST PROJECTING ABOUT 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2442 **********

JZ2442 DESIGNATION - N 240
JZ2442 PID - JZ2442
JZ2442 STATE/COUNTY- IN/MADISON
JZ2442 USGS QUAD - PENDLETON
JZ2442
JZ2442 HORZ DATUM - NAD 83
JZ2442 VERT DATUM - NAVD 88
JZ2442
JZ2442 POSITION - 39 57 34. (N) 085 43 47. (W) SCALED
JZ2442 83 minus 27 - +00. -00. NADCON
JZ2442
JZ2442 HEIGHT - 270.940 (meters) 888.91 (feet) ADJUST
JZ2442 88 minus 29 - -0.131 ADJ UNCHK

JZ2442 **********

JZ2442 GEOID HEIGHT- -34.03 GEOID93
JZ2442 MODELED GRAV- 980,062.4 NAVD88
JZ2442
JZ2442 VERT ORDER - SECOND CLASS 0
JZ2442
JZ2442 The horizontal coordinates were scaled from a topographic map and have
JZ2442 an estimated accuracy of +/- 6 seconds.
JZ2442
JZ2442 The orthometric height was determined by differential leveling
JZ2442 and adjusted by the National Geodetic Survey in June 1991.
JZ2442
JZ2442 The geoid height was determined by GEOID93.
JZ2442
JZ2442 The modeled gravity was interpolated from observed gravity values.
JZ2442
JZ2442 STATION MARK IS A BENCH MARK DISK
JZ2442 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2442 THE MARK IS STAMPED: N 240 1947
JZ2442 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2442 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2442
JZ2442 HISTORY - Year Condition Recov. By
JZ2442 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2442
JZ2442 STATION DESCRIPTION
JZ2442
JZ2442 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2442 ABOUT 0.6 MILE SOUTHEAST ALONG STATE HIGHWAY 38 FROM THE PUBLIC
JZ2442 LIBRARY AT PENDLETON, THENCE 2.75 MILES SOUTH ALONG A NORTH-SOUTH
JZ2442 ROAD, IN THE SOUTHWEST QUARTER OF AN INTERSECTION WITH AN
JZ2442 EAST-WEST ROAD, 22.5 FEET SOUTH OF THE CENTER LINE OF THE
JZ2442 EAST-WEST ROAD, 25 FEET WEST OF THE CENTER LINE OF THE NORTH-SOUTH
JZ2442 ROAD, 6 FEET SOUTH OF A CONCRETE CORNER POST, 1 FOOT EAST OF A
JZ2442 FENCE LINE, 2 FEET NORTH OF A WHITE WOODEN WITNESS POST, ABOUT
JZ2442 LEVEL WITH THE ROAD AND SET IN THE TOP OF A CONCRETE POST
JZ2442 PROJECTING ABOUT 6 INCHES.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2443 **********

JZ2443 DESIGNATION - P 240
JZ2443 PID - JZ2443
JZ2443 STATE/COUNTY- IN/MADISON
JZ2443 USGS QUAD - PENDLETON
JZ2443
JZ2443 HORZ DATUM - NAD 83
JZ2443 VERT DATUM - NAVD 88
JZ2443
JZ2443 POSITION - 39 56 42. (N) 085 43 47. (W) SCALED
JZ2443 83 minus 27 - +00. -00. NADCON
JZ2443
JZ2443 HEIGHT - 273.785 (meters) 898.24 (feet) ADJUST
JZ2443 88 minus 29 - -0.129 ADJ UNCHK

JZ2443 **********

JZ2443 GEOID HEIGHT- -34.03 GEOID93
JZ2443 MODELED GRAV- 980,059.8 NAVD88
JZ2443
JZ2443 VERT ORDER - SECOND CLASS 0
JZ2443
JZ2443 The horizontal coordinates were scaled from a topographic map and have
JZ2443 an estimated accuracy of +/- 6 seconds.
JZ2443
JZ2443 The orthometric height was determined by differential leveling
JZ2443 and adjusted by the National Geodetic Survey in June 1991.
JZ2443
JZ2443 The geoid height was determined by GEOID93.
JZ2443
JZ2443 The modeled gravity was interpolated from observed gravity values.
JZ2443
JZ2443 STATION MARK IS A BENCH MARK DISK
JZ2443 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
JZ2443 THE MARK IS STAMPED: P 240 1947
JZ2443 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
JZ2443 STABILITY: MOTION - E.G. FROST HEAVE, ETC
JZ2443
JZ2443 HISTORY - Year Condition Recov. By
JZ2443 HISTORY - 1947 STATION MONUMENTED COAST AND GEODETIC SURVEY
JZ2443

STATION DESCRIPTION

JZ2443
JZ2443 DESCRIBED BY COAST AND GEODETIC SURVEY 1947
JZ2443 ABOUT 0.6 MILE SOUTHEAST ALONG STATE HIGHWAY 38 FROM THE PUBLIC
JZ2443 LIBRARY AT PENDLETON, THENCE 3.75 MILES SOUTH ALONG A NORTH-SOUTH
JZ2443 ROAD, AT THE MADISON-HANCOCK COUNTY LINE, IN THE NORTHEAST
JZ2443 ANGLE OF THE INTERSECTION WITH THE COUNTY LINE ROAD, 35 FEET
JZ2443 NORTH OF THE CENTER LINE OF THE COUNTY LINE ROAD, 21 FEET EAST
JZ2443 OF THE CENTER LINE OF THE NORTH-SOUTH ROAD, 15 FEET NORTH OF A
JZ2443 FENCE CORNER, 23.5 FEET SOUTH OF A TELEPHONE POLE, 1 FOOT WEST
JZ2443 OF A FENCE LINE, 1 1/2 FEET SOUTH OF A WHITE WOODEN WITNESS POST,
JZ2443 ABOUT 1 FOOT ABOVE ROAD LEVEL AND SET IN THE TOP OF A CONCRETE
JZ2443 POST PROJECTING ABOUT 5 INCHES. NOTE-- THIS MARK MAY BE
JZ2443 REACHED FROM EDEN, HANCOCK COUNTY, BY GOING EAST ALONG STATE
JZ2443 HIGHWAY 234 FROM ITS INTERSECTION WITH STATE HIGHWAY 9 FOR
JZ2443 2.15 MILES, THENCE NORTH ALONG A GRAVEL ROAD FOR 3.2 MILES
JZ2443 TO THE COUNTY LINE AND THE SITE OF THE MARK.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1302 **********

LA1302 DESIGNATION - PAINTER
LA1302 PID - LA1302
LA1302 STATE/COUNTY- IN/MADISON
LA1302 USGS QUAD - ALEXANDRIA
LA1302
LA1302 HORZ DATUM - NAD 83
LA1302 VERT DATUM - NAVD 88
LA1302
LA1302 POSITION - 40 16 40.76538(N) 085 39 52.07139(W) ADJUSTED
LA1302 83 minus 27 - +00.14238 -00.08861 ADJUSTED
LA1302
LA1302 HEIGHT - 271.946 (meters) 892.21 (feet) ADJUST
LA1302 88 minus 29 - -0.144 ADJ UNCHK

LA1302 **********

LA1302 LAPLACE CORR- 1.78 DEFLEC93
LA1302 GEOID HEIGHT- -34.10 GEOID93
LA1302 MODELED GRAV- 980,096.7 NAVD88
LA1302
LA1302 HORZ ORDER - SECOND
LA1302 VERT ORDER - FIRST CLASS 2
LA1302
LA1302 The horizontal position was established by classical geodetic methods
LA1302 and adjusted by the National Geodetic Survey in July 1986.
LA1302
LA1302 The orthometric height was determined by differential leveling
LA1302 and adjusted by the National Geodetic Survey in June 1991.
LA1302
LA1302 The Laplace correction was computed from DEFLEC93 derived deflections.
LA1302
LA1302 The geoid height was determined by GEOID93.
LA1302
LA1302 The modeled gravity was interpolated from observed gravity values.
LA1302

		North	East	Scale	Converg.	
LA1302 SPC IN E	-	558,383.913	100,187.300	0.99996667	+0 00 05.1	MT
LA1302 UTM 16	-	4,459,467.748	613,539.002	0.99975869	+0 51 48.6	MT

LA1302

		Primary Azimuth Mark	Grid Az
LA1302 SPC IN E	-	PAINTER AZ MK	092 02 30.0
LA1302 UTM 16	-	PAINTER AZ MK	091 10 46.5

LA1302

	Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA1302	LA1303	PAINTER RM 1	38.743 METERS	00753
LA1302	LA2116	SUMMITVILLE MUNICIPAL TANK	APPROX. 7.2 KM	0140330.6
LA1302		PAINTER AZ MK		0920235.1
LA1302	LA2113	ALEXANDRIA MUNICIPAL STANDPIPE	APPROX. 2.5 KM	2010941.2
LA1302	LA2114	ALEXANDRIA ALLADIN INDUST TANK	APPROX. 2.5 KM	2250032.6
LA1302	LA1304	PAINTER RM 2	39.319 METERS	23321

LA1302
LA1302 STATION MARK IS A TRIANGULATION STATION DISK
LA1302 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1302 THE MARK IS STAMPED: PAINTER 1934
LA1302 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1302 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1302

LA1302 HISTORY - Year Condition Recov. By
LA1302 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1302 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1302 HISTORY - 1948 GOOD COAST AND GEODETIC SURVEY
LA1302
LA1302 STATION DESCRIPTION
LA1302
LA1302 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA1302 ABOUT 1.0 MILE
LA1302 NORTH AND 0.3 MILE
LA1302 EAST OF THE CITY OF ALEXANDRIA, 0.3 MILE EAST
LA1302 OF THE JUNCTION OF STATE HIGHWAY 9
LA1302 AND 28, ON THE NORTH SIDE OF
LA1302 STATE HIGHWAY 28, ON LAND OWNED BY C.E. PAINTER (WHO
LA1302 LIVES ON
LA1302 STATE HIGHWAY 9, 0.5 MILES NORTHWEST OF THE STATION), IN THE
LA1302 SOUTHEAST CORNER
LA1302 OF A CLEARED UNCULTIVATED FIELD, 48-1/2 FEET
LA1302 NORTH OF THE CENTER LINE OF STATE
LA1302 HIGHWAY 28, 17 FEET WEST OF
LA1302 FENCE LINE, 24 FEET NORTHWEST OF THE SOUTHEAST FENCE
LA1302 CORNER, 6
LA1302 PACES NORTH OF THE NORTH RIGHT-OF-WAY, AND 12 INCHES BELOW THE
LA1302 SURFACE.
LA1302
LA1302 TO REACH FROM ALEXANDRIA GO NORTH ABOUT 1.0 MILE TO THE
LA1302 JUNCTION OF STATE
LA1302 HIGHWAY 9 AND 28, TURN EAST FOR 0.3 MILE ON
LA1302 STATE HIGHWAY 28 TO THE STATION ON
LA1302 THE NORTH SIDE OF THE HIGHWAY.
LA1302
LA1302 SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD
LA1302 BRONZE DISKS SET IN CONCRETE.
LA1302
LA1302 REFERENCE MARK NO. 1 IS NORTH OF THE STATION, 0.8 FOOT WEST
LA1302 OF THE FENCE LINE,
LA1302 26 PACES NORTH-NORTHWEST OF THE NORTHWEST CORNER
LA1302 OF A BARN, AND PROJECTS 12 INCHES.
LA1302 REFERENCE MARK NO. 2 IS
LA1302 SOUTHWEST OF THE STATION ALONG THE SOUTH EDGE OF THE
LA1302 RIGHT-OF-WAY
LA1302 OF STATE HIGHWAY 28, 29 FEET SOUTH OF THE CENTER LINE OF THE HIGHWAY,
LA1302 0.5 FOOT NORTH OF
LA1302 FENCE LINE, AND PROJECTS 12 INCHES. 236.19
LA1302 FEET BETWEEN THE REFERENCE MARKS.
LA1302
LA1302 AZIMUTH MARK IS ON THE CREST OF THE SECOND HILL TO THE EAST,
LA1302 28 FEET SOUTH OF
LA1302 THE CENTER LINE OF THE HIGHWAY, ALONG THE SOUTH
LA1302 EDGE OF THE RIGHT-OF-WAY, 41-1/2
LA1302 FEET WEST OF A CONCRETE LINE POST,
LA1302 AND PROJECTS 12 INCHES.
LA1302
LA1302
LA1302 STATION RECOVERY (1946)
LA1302
LA1302 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1946
LA1302 ABOUT 0.4 MILE EAST ALONG STATE HIGHWAY 28 FROM ITS INTERSECTION
LA1302 WITH STATE HIGHWAY 9 AT THE NORTHEAST PART OF ALEXANDRIA, AT
LA1302 THE SOUTHEAST CORNER OF A CULTIVATED FIELD, AND A BARN ON THE

LA1302 NORTH SIDE OF THE HIGHWAY, 48.5 FEET NORTH OF THE CENTER LINE
LA1302 OF THE HIGHWAY, 46 FEET SOUTHWEST OF THE SOUTHWEST CORNER OF THE
LA1302 BARN, 17 FEET WEST OF THE BARN YARD FENCE, 24 FEET NORTHWEST OF
LA1302 AN 8 INCH WOODEN FENCE CORNER POST, 21 FEET NORTHEAST OF POWER
LA1302 POLE NO. MA 30 41, AND SET IN THE TOP OF A CONCRETE POST
LA1302 ABOUT 1 FOOT BELOW THE SURFACE OF THE GROUND.
LA1302
LA1302 STATION RECOVERY (1948)
LA1302
LA1302 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (JMN)
LA1302 RECOVERED AS DESCRIBED.
LA1302

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1347 **********

LA1347 DESIGNATION - FRANKTON
LA1347 PID - LA1347
LA1347 STATE/COUNTY- IN/MADISON
LA1347 USGS QUAD - FRANKTON
LA1347
LA1347 HORZ DATUM - NAD 83
LA1347 VERT DATUM - NAVD 88
LA1347
LA1347 POSITION - 40 14 07.09811(N) 085 49 32.73753(W) ADJUSTED
LA1347 83 minus 27 - +00.14116 -00.07407 NADCON
LA1347
LA1347 HEIGHT - 262.672 (meters) 861.78 (feet) ADJUST
LA1347 88 minus 29 - -0.134 ADJ UNCHK

LA1347 **********

LA1347 LAPLACE CORR- 1.32 DEFLEC93
LA1347 GEOID HEIGHT- -34.22 GEOID93
LA1347 MODELED GRAV- 980,086.8 NAVD88
LA1347
LA1347 HORZ ORDER - FIRST
LA1347 VERT ORDER - SECOND CLASS 0
LA1347
LA1347 The horizontal position was established by classical geodetic methods
LA1347 and adjusted by the National Geodetic Survey in July 1986.
LA1347
LA1347 The orthometric height was determined by differential leveling
LA1347 and adjusted by the National Geodetic Survey in June 1991.
LA1347
LA1347 The Laplace correction was computed from DEFLEC93 derived deflections.
LA1347
LA1347 The geoid height was determined by GEOID93.
LA1347
LA1347 The modeled gravity was interpolated from observed gravity values.
LA1347

		North	East	Scale	Converg.	
LA1347 SPC IN E	-	553,656.447	86,461.566	0.99996892	-0 06 09.9	MT
LA1347 UTM 16	-	4,454,535.517	599,889.016	0.99972283	+0 45 30.7	MT

LA1347

		Primary Azimuth Mark	Grid Az
LA1347 SPC IN E	-	FRANKTON AZ MK 2	129 49 56.4
LA1347 UTM 16	-	FRANKTON AZ MK 2	128 58 15.8

LA1347

LA1347 ----------

LA1347 Pid	Reference Object	Distance	Geod. AZ
			dddmmss.s
LA1347 LA2146	FRANKTON MUNICIPAL TANK	APPROX. 4.3 KM	1132400.1
LA1347	FRANKTON AZ MK		1294312.9
LA1347	FRANKTON AZ MK 2		1294346.5
LA1347 LA1346	FRANKTON RM 1	48.971 METERS	17322
LA1347 LA1348	FRANKTON RM 2	33.360 METERS	27623
LA1347 LA1349	FRANKTON RM 3	31.756 METERS	31646
LA1347 LA2161	ELWOOD PIPELINE MICROWAVE MST	APPROX. 7.1 KM	3325303.6
LA1347 LA2155	ELWOOD MC BETH EVANS GLASS TK	APPROX. 6.1 KM	3394552.9
LA1347 LA2153	ELWOOD ST JOSEPH CATH CH SPIRE	APPROX. 4.8 KM	3405642.4
LA1347 LA2154	ELWOOD SELLERS KITCHEN CAB TK	APPROX. 5.1 KM	3413643.0
LA1347 LA2160	ELWOOD MUNICIPAL TANK	APPROX. 5.4 KM	3442613.7
LA1347 LA2152	ELWOOD CITY HALL DOME	APPROX. 4.7 KM	3452302.7

LA1347 ----------

LA1347

LA1347 STATION MARK IS A TRIANGULATION STATION DISK
LA1347 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1347 THE MARK IS STAMPED: FRANKTON 1934
LA1347 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1347 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LA1347 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
LA1347
LA1347 HISTORY - Year Condition Recov. By
LA1347 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1347 HISTORY - 1948 GOOD COAST AND GEODETIC SURVEY
LA1347 HISTORY - 1970 NATIONAL GEODETIC SURVEY
LA1347 HISTORY - 1976 GOOD NATIONAL GEODETIC SURVEY
LA1347 HISTORY - 1988 GOOD NATIONAL GEODETIC SURVEY
LA1347
LA1347 STATION DESCRIPTION
LA1347
LA1347 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA1347 3 MILES SOUTH AND 0.8 MILE EAST FROM THE POST OFFICE IN ELWOOD, ON A
LA1347 PROMINENT KNOLL, IN THE
LA1347 NORTHWEST CORNER OF A PASTURE OWNED BY JOHN RICHWINE,
LA1347 134 FEET SOUTHEAST OF THE
LA1347 SOUTHEAST CORNER OF RICHWINES BARN,
LA1347 20 FEET WEST OF THE EAST PASTURE FENCE, 16
LA1347 FEET SOUTH OF THE SOUTH
LA1347 BARN LOT FENCE, AND 12 INCHES UNDERGROUND.
LA1347
LA1347 TO REACH FROM THE POST OFFICE IN ELWOOD, GO SOUTH ON STATE
LA1347 HIGHWAY 13 FOR 3.0
LA1347 MILES, THEN EAST ON GRAVEL CROSS ROAD 0.8 MILE,
LA1347 THEN NORTH ON LANE THROUGH PASTURE
LA1347 0.2 MILE TO STATION.
LA1347
LA1347 SURFACE AND UNDERGROUND MARKS ARE STANDARD BRONZE DISKS SET
LA1347 IN CONCRETE.
LA1347
LA1347 REFERENCE MARK NO. 1 IS SOUTH OF THE STATION, IN THE EAST
LA1347 PASTURE FENCE,
LA1347 213.79 FEET SOUTHEAST OF REFERENCE MARK NO. 2, AND
LA1347 IS SET FLUSH.
LA1347 REFERENCE MARK NO. 2 IS WEST OF THE STATION,
LA1347 AT THE SOUTHWEST CORNER OF THE BARN LOT,
LA1347 AND IS SET FLUSH.
LA1347
LA1347 AZIMUTH MARK IS SOUTHEAST OF THE STATION, IN THE NORTHWEST
LA1347 ANGLE OF A GRAVEL
LA1347 CROSSROADS, IN THE SOUTHEAST CORNER OF A FIELD,
LA1347 4 FEET WEST OF THE CORNER POST OF
LA1347 THE RIGHT-OF-WAY FENCES, AND
LA1347 PROJECTS 10 INCHES.
LA1347
LA1347 90-FOOT TOWER WILL CLEAR ALL LINES.
LA1347
LA1347
LA1347 STATION RECOVERY (1948)
LA1347
LA1347 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (JMN)
LA1347 RECOVERED AS DESCRIBED.
LA1347
LA1347
LA1347 STATION RECOVERY (1970)

LA1347
LA1347 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA1347 THE STATION MARK, REFERENCE MARKS 1 AND 2 AND THE AZIMUTH MARK
LA1347 WERE RECOVERED IN GOOD CONDITION. A DIFFERENCE WAS NOTED IN
LA1347 THE DIRECTION TO THE AZIMUTH MARK. THE PROPERTY OWNER REQUESTED
LA1347 REFERENCE MARK 2 BE REMOVED FROM HIS PASTURE. THE MARK WAS
LA1347 DESTROYED AT THIS TIME AND REFERENCE MARK 3 WAS ESTABLISHED. A
LA1347 NEW AND COMPLETE DESCRIPTION FOLLOWS.
LA1347
LA1347 THE STATION IS LOCATED ABOUT 3 MILES SOUTHEAST OF ELWOOD AND
LA1347 2 MILES NORTHWEST OF FRANKTON. THE PROPERTY IS OWNED BY MR.
LA1347 JOHN T. RICHWINE WHO LIVES AT THE STATION SITE. HIS TELEPHONE
LA1347 NUMBER IS 552-7913.
LA1347
LA1347 TO REACH THE STATION FROM THE POST OFFICE IN ELWOOD, GO SOUTH
LA1347 ON STATE HIGHWAY 13 FOR 2.0 MILES TO THE JUNCTION OF STATE
LA1347 HIGHWAY 37, CONTINUE SOUTH ON 900 W ROAD FOR 1.0 MILE TO A
LA1347 CROSSROAD, TURN LEFT AND GO EAST ON 900 N ROAD FOR 0.9 MILE TO
LA1347 A FARM LANE ON THE LEFT, (TO REACH THE AZIMUTH MARK FROM THIS
LA1347 POINT, CONTINUE EAST ON 900 N ROAD FOR 0.15 MILE TO A CROSSROAD
LA1347 AND THE MARK IN THE NORTHWEST ANGLE OF INTERSECTION), TURN LEFT
LA1347 AND GO NORTH ON THE FARM LANE FOR 0.2 MILE TO THE STATION ON THE
LA1347 RIGHT, JUST BEFORE REACHING THE HOUSE AND A LARGE RED BARN.
LA1347
LA1347 THE STATION MARK IS A STANDARD DISK STAMPED FRANKTON 1934, SET
LA1347 IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT WHICH IS
LA1347 10 INCHES UNDERGROUND. IT IS 181 FEET EAST OF THE CENTER OF THE
LA1347 FARM LANE, 104 FEET SOUTHEAST OF THE SOUTHEAST CORNER OF BARN
LA1347 AND 19.8 FEET WEST OF A METAL WITNESS POST SET IN NORTH-SOUTH
LA1347 FENCE LINE.
LA1347
LA1347 REFERENCE MARK 1 IS A STANDARD DISK STAMPED FRANKTON NO 1 1934,
LA1347 SET IN THE TOP OF A 10-INCH SQUARE CONCRETE MONUMENT WHICH PROJECTS
LA1347 1 INCH. IT IS 162 FEET SOUTH OF THE METAL WITNESS POST AND 0.5
LA1347 FOOT EAST OF THE NORTH-SOUTH WIRE FENCE.
LA1347
LA1347 REFERENCE MARK 3 IS A STANDARD DISK STAMPED FRANKTON 1934 NO 3
LA1347 1970 BM RESET, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE
LA1347 MONUMENT WHICH IS FLUSH WITH THE GROUND SURFACE. IT IS 105 FEET
LA1347 EAST OF THE CENTER OF THE FARM LANE AND 3.5 FEET WEST OF THE
LA1347 SOUTHEAST CORNER OF BARN.
LA1347
LA1347 THE AZIMUTH MARK IS A STANDARD DISK STAMPED FRANKTON AZIMUTH
LA1347 1934, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT
LA1347 WHICH PROJECTS 10 INCHES. IT IS 28 FEET NORTHWEST OF THE CENTER
LA1347 OF THE INTERSECTION, 4 FEET WEST OF THE CORNER POST OF A WIRE
LA1347 FENCE AND 1 FOOT NORTH OF AN EAST-WEST WIRE FENCE.
LA1347
LA1347 HEIGHT OF LIGHT ABOVE STATION MARK 100.7 FEET.
LA1347
LA1347 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN
LA1347 3 MILES SOUTHEAST OF ELWOOD.
LA1347
LA1347
LA1347 STATION RECOVERY (1976)
LA1347
LA1347 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1976 (DDJ)
LA1347 STATION DESCRIPTION IS ADEQUATE. STATION MARK WAS OCCUPIED AS THE
LA1347 ANTENNA SITE FOR DOPPLER STATION 51166.
LA1347

LA1347 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN--3 MILES SOUTHEAST
LA1347 OF ELWOOD, INDIANA.
LA1347
LA1347
LA1347 STATION RECOVERY (1988)
LA1347
LA1347 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1988
LA1347 THE STATION IS LOCATED ABOUT 24.1 KM (15.00 MI) NORTHWEST OF
LA1347 ANDERSON,19.3 KM (12.00 MI) WEST OF INTERSTATE HIGHWAY 69, 6.4 KM
LA1347 (4.00 MI) SOUTH OF ELWOOD AND ON PRIVATE PROPERTY. OWNERSHIP--JOHN
LA1347 RICHWINE III, UNABLE TO GET PHONE NUMBER OR ADDRESS OF OWNER.
LA1347 TO REACH THE STATION FROM THE POST OFFICE IN ELWOOD, GO SOUTH ON
LA1347 STATE HIGHWAY 13, ANDERSON STREET, FOR 3.4 KM (2.10 MI) TO THE
LA1347 JUNCTION OF STATE HIGHWAY 37. CONTINUE SOUTH ON WHAT HAS NOW TURNED
LA1347 INTO COUNTY ROAD 900W FOR 1.6 KM (1.00 MI) TO A CROSSROAD. TURN LEFT
LA1347 AND GO EAST ON COUNTY ROAD 900N FOR 1.45 KM (0.90 MI) TO A LONG
LA1347 DRIVEWAY LEFT. TURN LEFT AND GO NORTH ON DRIVEWAY FOR 0.32 KM
LA1347 (0.20 MI) TO A BARN ON THE RIGHT AND THE STATION.
LA1347 THE STATION IS A STANDARD CGS STATION MARK DISK STAMPED---FRANKTON
LA1347 1934---, SET IN THE TOP OF A CONCRETE POST THAT IS 0.3 M (1.0 FT)
LA1347 BELOW THE GROUND SURFACE. LOCATED 40.84 M (134.0 FT) SOUTHEAST FROM
LA1347 SOUTHEAST CORNER OF THE BARN, 22.95 M (75.3 FT) SOUTH FROM A
LA1347 FENCELINE AND 6.04 M (19.8 FT) WEST FROM A WITNESS POST IN A
LA1347 FENCELINE.
LA1347 GPS SURVEY, FAA AIRPORTS, INDIANA.
LA1347 DESCRIBED BY D.L. ADAMS.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1457 ***
LA1457 DESIGNATION - ELWOOD
LA1457 PID - LA1457
LA1457 STATE/COUNTY- IN/MADISON
LA1457 USGS QUAD - ELWOOD
LA1457
LA1457 HORZ DATUM - NAD 83
LA1457 VERT DATUM - NAVD 88
LA1457
LA1457 POSITION - 40 16 33.18528(N) 085 51 22.19820(W) ADJUSTED
LA1457 83 minus 27 - +00.13828 -00.07280 ADJUSTED
LA1457
LA1457 HEIGHT - 264.385 (meters) 867.40 (feet) ADJUST
LA1457 88 minus 29 - -0.132 ADJ UNCHK
LA1457 ***
LA1457 LAPLACE CORR- 1.44 DEFLEC93
LA1457 GEOID HEIGHT- -34.26 GEOID93
LA1457 MODELED GRAV- 980,089.0 NAVD88
LA1457
LA1457 HORZ ORDER - FIRST
LA1457 VERT ORDER - SECOND CLASS 0
LA1457
LA1457 The horizontal position was established by classical geodetic methods
LA1457 and adjusted by the National Geodetic Survey in July 1986.
LA1457
LA1457 The orthometric height was determined by differential leveling
LA1457 and adjusted by the National Geodetic Survey in June 1991.
LA1457
LA1457 The Laplace correction was computed from DEFLEC93 derived deflections.
LA1457
LA1457 The geoid height was determined by GEOID93.
LA1457
LA1457 The modeled gravity was interpolated from observed gravity values.
LA1457

		North	East	Scale	Converg.	
LA1457 SPC IN E	-	558,167.344	83,883.751	0.99996986	-0 07 21.0	MT
LA1457 UTM 16	-	4,459,006.022	597,244.317	0.99971641	+0 44 22.2	MT

LA1457

		Primary Azimuth Mark	Grid Az
LA1457 SPC IN E	-	ELWOOD AZ MK	192 02 46.1
LA1457 UTM 16	-	ELWOOD AZ MK	191 11 02.9

LA1457

LA1457 ---

	Pid	Reference Object	Distance	Geod. AZ
LA1457				dddmmss.s
LA1457	LA2155	ELWOOD MC BETH EVANS GLASS TK	APPROX. 1.3 KM	0224912.0
LA1457	LA1458	ELWOOD RM 1	47.412 METERS	08405
LA1457	LA2152	ELWOOD CITY HALL DOME	APPROX. 1.4 KM	0862136.3
LA1457	LA2153	ELWOOD ST JOSEPH CATH CH SPIRE	APPROX. 1.0 KM	0883225.7
LA1457		ELWOOD RM 2	54.081 METERS	16806
LA1457		ELWOOD AZ MK		1915525.1

LA1457 ---
LA1457
LA1457 STATION MARK IS A TRIANGULATION STATION DISK
LA1457 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA1457 THE MARK IS STAMPED: ELWOOD 1934
LA1457 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA1457 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA1457

LA1457 HISTORY - Year Condition Recov. By
LA1457 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA1457 HISTORY - 1946 GOOD NATIONAL GEODETIC SURVEY
LA1457 HISTORY - 1948 GOOD COAST AND GEODETIC SURVEY
LA1457 HISTORY - 1976 GOOD NATIONAL GEODETIC SURVEY
LA1457 HISTORY - 1981 GOOD US ARMY CORPS OF ENGINEERS
LA1457 HISTORY - 1982 GOOD NATIONAL GEODETIC SURVEY
LA1457
LA1457 STATION DESCRIPTION
LA1457
LA1457 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA1457 IN WESTERN PART OF ELWOOD ON PROPERTY OF VAN CAMP PACKING CO., AT THE
LA1457 SOUTHEAST CORNER OF SOUTH A STREET
LA1457 AND FOURTH STREET, 0.8 MILE WEST ALONG A
LA1457 STREET FROM THE JUNCTION OF STATE
LA1457 HIGHWAYS 13 AND 28, (THE MAIN
LA1457 STREET INTERSECTION OF TOWN), 40 FEET SOUTH OF
LA1457 CENTER LINE OF
LA1457 SOUTH A STREET, 114-1/2 FEET EAST OF CENTER LINE OF FOURTH
LA1457 STREET, AND 119
LA1457 FEET NORTHWEST OF NORTH-WEST CORNER OF LOADING PLATFORM
LA1457 OF VAN CAMP PACKING CO.
LA1457 PLANT AND PROJECTS 5 INCHES.
LA1457
LA1457 SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD
LA1457 BRONZE DISKS SET IN CONCRETE.
LA1457
LA1457 REFERENCE MARK NO. 1 IS EAST OF STATION, AT SOUTH EDGE OF
LA1457 SIDEWALK, ON SOUTH
LA1457 SIDE OF SOUTH A STREET, 24 FEET SOUTH OF CENTER
LA1457 LINE OF A STREET, 75 FEET WEST OF THE
LA1457 PROLOGATION OF CENTER LINE
LA1457 OF FIFTH STREET, AND FLUSH WITH SIDEWALK. REFERENCE
LA1457 MARK NO. 2
LA1457 IS SOUTHEAST OF STATION, 2 FEET NORTH OF NORTHWEST CORNER OF WEST
LA1457 WING OF CONCRETE
LA1457 BUILDING OF VAN CAMP PACKING CO., 150 FEET EAST
LA1457 OF CENTER LINE OF FOURTH STREET,
LA1457 215 FEET SOUTH OF CENTER LINE OF
LA1457 SOUTH A STREET, AND PROJECTS 6 INCHES.
LA1457
LA1457 AZIMUTH MARK IS SOUTH-SOUTHWEST OF STATION, 55 FEET WEST OF
LA1457 CENTER LINE OF
LA1457 FOURTH STREET, 15 FEET SOUTH OF CENTER LINE OF D
LA1457 STREET, 18 FEET WEST OF POWER
LA1457 LINE POLE NO. IGS 27, 12 FEET EAST
LA1457 OF WALK LEADING TO BETHEL SMITHS HOUSE ON SOUTH
LA1457 SIDE OF D STREET,
LA1457 AND PROJECTS 8 INCHES.
LA1457
LA1457 HEIGHT OF LIGHT ABOVE STATION MARK 34 METERS.
LA1457
LA1457
LA1457 STATION RECOVERY (1946)
LA1457
LA1457 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1946
LA1457 AT ELWOOD, ABOUT 0.75 MILE WEST ALONG STATE HIGHWAY 28 FROM ITS
LA1457 INTERSECTION WITH STATE HIGHWAY 13, THENCE 1 BLOCK SOUTH ALONG
LA1457 4TH STREET, AT THE JUNCTION OF A STREET, 89 FEET NORTHWEST OF
LA1457 THE NORTHWEST CORNER OF THE LOADING PLATFORM OF THE STOKELY

LA1457 FOOD, INC. PLANT NO. 31, 51 FEET SOUTHEAST OF A TELEPHONE POLE,
LA1457 114 FEET EAST OF THE PROLONGED CENTER LINE OF 4TH STREET, 40
LA1457 FEET SOUTH OF THE CENTER LINE OF A STREET, ABOUT 1 FOOT ABOVE
LA1457 THE STREET, AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6
LA1457 INCHES.
LA1457
LA1457 STATION RECOVERY (1948)
LA1457
LA1457 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (JMN)
LA1457 STATION RECOVERED. IT IS 89.3 FEET NW OF THE NW CORNER OF THE
LA1457 LOADING PLATFORM. R.M. 2 WAS NOT FOUND, THE
LA1457 BUILDING HAS BEEN EXTENDED AND THE LOADING PLATFORM ENLARGED.
LA1457 THE PLATFORM WAS
LA1457 COVERED WITH TOMATOES AND A GOOD SEARCH COULD
LA1457 NOT BE MADE FOR THE REFERENCE MARK.
LA1457
LA1457
LA1457 STATION RECOVERY (1976)
LA1457
LA1457 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1976 (CLN)
LA1457 STATION MARK, REFERENCE MARK 1 AND THE AZIMUTH MARK WERE FOUND AS
LA1457 DESCRIBED. AFTER A LONG SEARCH AND QUESTIONING LOCAL RESIDENTS
LA1457 REFERENCE MARK 2 WAS FOUND INSIDE OF THE PACKING PLANT WITH THE
LA1457 BUILDING ADDITION AND FLOOR BUILT AROUND THE MARK, HOWEVER THE
LA1457 MARK IS NOT VISIBLE TO THE STATION AND REFERENCE MARK 3 WAS
LA1457 ESTABLISHED. THE PACKING PLANT IS ON LINE TO THE AZIMUTH
LA1457 MARK WHICH WILL BE DESTROYED BY SEWER AND WATER SERVICE LINE. AS
LA1457 THE AZIMUTH CARRIES AN ELEVATION A BENCH MARK WAS SET AND THE
LA1457 ELEVATION TRANSFERED. AT THIS TIME THERE WAS NO OBJECT
LA1457 VISIBLE TO RELOCATE ANOTHER AZIMUTH MARK.
LA1457
LA1457 THE ORIGINAL DESCRIPTION AND TO REACH IS ADEQUATE.
LA1457
LA1457 REFERENCE MARK 3 IS 13 FEET EAST OF A POWER POLE, 17 FEET SOUTH OF
LA1457 THE CENTERLINE OF A STREET AND 5 FEET NORTH OF THE NORTH EDGE OF THE
LA1457 SIDEWALK. THE MARK IS A STANDARD REFERENCE MARK DISK CEMENTED IN A
LA1457 DRILL HOLE IN THE SOUTH CURBING OF A STREET. THE DISK IS STAMPED
LA1457 ELWOOD 1934 NO 3 1976.
LA1457
LA1457 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN--AT THE WEST EDGE
LA1457 OF ELWOOD.
LA1457
LA1457
LA1457 STATION RECOVERY (1981)
LA1457
LA1457 RECOVERY NOTE BY US ARMY CORPS OF ENGINEERS 1981 (MKF)
LA1457 ELWOOD 1934 RECOVERED GOOD.
LA1457
LA1457 RECOVERED USING 1934 DESCRIPTION.
LA1457 WITNESS POST NOT SET MOWED AREA.
LA1457 AZIMUTH MARK BLOCKED BY BLDG.
LA1457 AZIMUTH MK REC., LEANING AND LOOSE IN GROUND.
LA1457
LA1457
LA1457 STATION RECOVERY (1982)
LA1457
LA1457 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1982
LA1457 THE PLANT IS NOW OWNED BY THE LAFAYETTE MFG COMPANY INSTEAD OF THE
LA1457 STROKELY FOOD INC PLANT NO 31 AS DESCRIBED IN 1934.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2160 **********

LA2160 DESIGNATION - ELWOOD MUNICIPAL TANK
LA2160 PID - LA2160
LA2160 STATE/COUNTY- IN/MADISON
LA2160 USGS QUAD - ELWOOD
LA2160
LA2160 HORZ DATUM - NAD 83
LA2160 VERT DATUM - N/A
LA2160
LA2160 POSITION - 40 16 54.89842(N) 085 50 33.75944(W) ADJUSTED
LA2160 83 minus 27 - +00.13646 -00.07387 ADJUSTED
LA2160
LA2160 HEIGHT -

LA2160 **********

LA2160 HORZ ORDER - THIRD
LA2160
LA2160 The horizontal position was established by classical geodetic methods
LA2160 and adjusted by the National Geodetic Survey in July 1986.
LA2160

		North	East	Scale	Converg.	
LA2160 SPC IN E	-	558,834.692	85,029.399	0.99996942	-0 06 49.8	MT
LA2160 UTM 16	-	4,459,690.359	598,379.509	0.99971914	+0 44 53.9	MT

LA2160
LA2160 HISTORY - Year Condition Recov. By
LA2160 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2160
LA2160 STATION DESCRIPTION
LA2160
LA2160 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2160 THE STATION IS LOCATED IN THE NORTH-CENTRAL SECTION OF
LA2160 ELWOOD, ADJACENT TO THE LITTLE LEAGUE BASEBALL PARK, IN A FENCED
LA2160 ENCLOSURE ABOUT 250 FEET WEST OF ANDERSON STREET.
LA2160
LA2160 TO REACH FROM THE JUNCTION OF INDIANA HIGHWAYS 13 AND 28 IN
LA2160 DOWNTOWN ELWOOD, GO NORTH ON HIGHWAY 13 (ANDERSON STREET) FOR 0.3
LA2160 MILE TO NORTH E STREET ON THE RIGHT. CONTINUE NORTH ON
LA2160 ANDERSON STREET FOR 0.05 MILE TO AN UNMARKED PAVED STREET ON
LA2160 THE LEFT. TURN LEFT AND GO WEST FOR 0.05 MILE TO THE WATER TANK.
LA2160
LA2160 THE STATION IS THE TOP CENTER OF A DOUBLE ELLIPSOIDAL TANK,
LA2160 PAINTED SILVER, WITH 8 TUBULAR STEEL LEGS, ABOUT 100 FEET
LA2160 HIGH WITH THE LETTERS ELWOOD HEART OF HOOSIER LAND ON ITS
LA2160 SOUTH AND EAST SIDE.
LA2160

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2159 **********

LA2159 DESIGNATION - READER RESET
LA2159 PID - LA2159
LA2159 STATE/COUNTY- IN/MADISON
LA2159 USGS QUAD - ELWOOD
LA2159
LA2159 HORZ DATUM - NAD 83
LA2159 VERT DATUM - NGVD 29
LA2159
LA2159 POSITION - 40 20 04.40930(N) 085 50 30.68994(W) ADJUSTED
LA2159 83 minus 27 - +00.13530 -00.07306 ADJUSTED
LA2159
LA2159 HEIGHT - 266. (meters) 873. (feet) SCALED
LA2159 88 minus 29 - -0. VERTCON

LA2159 **********

LA2159 LAPLACE CORR- 1.74 DEFLEC93
LA2159 GEOID HEIGHT- -34.27 GEOID93
LA2159
LA2159 HORZ ORDER - FIRST
LA2159
LA2159 The horizontal position was established by classical geodetic methods
LA2159 and adjusted by the National Geodetic Survey in July 1986.
LA2159
LA2159 The orthometric height was scaled from a topographic map.
LA2159
LA2159 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2159
LA2159 The geoid height was determined by GEOID93.
LA2159

		North	East	Scale	Converg.	
SPC IN E	-	564,679.746	85,113.468	0.99996939	-0 06 48.2	MT
UTM 16	-	4,465,534.552	598,375.575	0.99971913	+0 44 58.8	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	READER AZ MK RESET	352 41 52.4
UTM 16	-	READER AZ MK RESET	351 50 05.4

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2158	READER RM 3	25.527 METERS	01909
LA2152	ELWOOD CITY HALL DOME	APPROX. 6.4 KM	1782832.3
LA2153	ELWOOD ST JOSEPH CATH CH SPIRE	APPROX. 6.5 KM	1814356.5
LA2154	ELWOOD SELLERS KITCHEN CAB TK	APPROX. 6.2 KM	1821734.6
LA2155	ELWOOD MC BETH EVANS GLASS TK	APPROX. 5.4 KM	1874252.4
	READER RM 1	47.987 METERS	24620
	READER RM 2	41.587 METERS	33124
	READER AZ MK RESET		3523504.2
	READER AZ MK		3540200.7

	Year	Condition	Recov. By
HISTORY	1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
HISTORY	1935	GOOD	COAST AND GEODETIC SURVEY
HISTORY	1948	GOOD	COAST AND GEODETIC SURVEY
HISTORY	1954	GOOD	COAST AND GEODETIC SURVEY

STATION DESCRIPTION

LA2159 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA2159 10 MILES NORTHWEST
LA2159 OF ALEXANDRIA,
LA2159 3.95 MILES NORTH OF ELWOOD ON THE EAST SIDE OF STATE
LA2159 HIGHWAY 13, IN THE EAST CENTRAL
LA2159 PART OF READRER SCHOOLYARD, 40 FEET
LA2159 WEST OF FENCE LINE, 100 FEET SOUTH OF GRAVEL ROAD,
LA2159 150 FEET EAST OF
LA2159 SCHOOLHOUSE, 64 FEET NORTH OF FENCE LINE, AND PROJECTS 5 INCHES.
LA2159
LA2159 TO REACH FROM ELWOOD, GO NORTH FROM POST OFFICE ON STATE
LA2159 HIGHWAY 13 FOR
LA2159 3.95 MILES TO THE SCHOOLHOUSE AND STATION.
LA2159
LA2159 SURFACE AND UNDERGROUND MARKS ARE STANDARD BRONZE DISKS SET
LA2159 IN CONCRETE.
LA2159
LA2159 REFERENCE MARK NO. 1 IS WEST-SOUTHWEST OF THE STATION, 72
LA2159 FEET SOUTH OF
LA2159 SCHOOLHOUSE, 1 FOOT NORTH OF FENCE LINE, 75 FEET
LA2159 EAST OF STATE HIGHWAY 13, AND
LA2159 PROJECTS 4 INCHES. REFERENCE
LA2159 MARK NO. 2 IS NORTH-NORTHWEST OF THE STATION, 18 FEET
LA2159 NORTH OF CENTER LINE OF GRAVEL ROAD, 1 FOOT NORTH OF FENCE LINE,
LA2159 AND PROJECTS 7
LA2159 INCHES. THE DISTANCE BETWEEN THE REFERENCE MARKS IS 199.3 FEET.
LA2159
LA2159 AZIMUTH MARK IS NORTH OF THE STATION, 21 FEET EAST OF STATE
LA2159 HIGHWAY 13, 1 FOOT
LA2159 EAST OF THE FENCE LINE, ABOUT 50 YARDS SOUTH-SOUTHWEST
LA2159 OF WHITE FARMHOUSE, AND PROJECTS 10 INCHES.
LA2159
LA2159
LA2159 STATION RECOVERY (1935)
LA2159
LA2159 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1935 (JSB)
LA2159 STATION MARK AND REFERENCE MARKS RECOVERED AS DESCRIBED BY G.L.A.
LA2159 EXCEPT, THE
LA2159 DISTANCE FROM THE STATION MARK TO REFERENCE MARK NO. 2
LA2159 IS 136.3 FEET INSTEAD OF
LA2159 172.48 FEET AS GIVEN BY G.L.A., AND THE
LA2159 DISTANCE FROM THE STATION TO THE NORTHEAST
LA2159 CORNER OF THE SCHOOL
LA2159 IS 145.6 FEET INSTEAD OF 150 FEET AS GIVEN BY G.L.A.
LA2159
LA2159 THE STATION IS 102 FEET SOUTH FROM CENTER LINE OF THE EAST-AND-WEST
LA2159 GRAVEL ROAD, AND
LA2159 222.4 FEET EAST FROM CENTER LINE OF
LA2159 STATION MARK NO. 1 AND TO THE EAST AND SOUTH SCHOOL GROUND FENCES
LA2159 CHECKS WITH
LA2159 THE DISTANCE GIVEN BY G.L.A. ALSO, THE DISTANCE BETWEEN REFERENCE
LA2159 MARK NO. 1 AND
LA2159 REFERENCE MARK NO. 2 CHECKS WITH G.L.A.S MEASUREMENT.
LA2159
LA2159 TO REACH, GO TO STATE HIGHWAY 13 AND FOLLOW TO THE STATION.
LA2159
LA2159
LA2159 STATION RECOVERY (1948)

LA2159
LA2159 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (RCB)
LA2159 STATION WAS RECOVERED AS DESCRIBED AND ALL
LA2159 MARKS WERE FOUND
LA2159 TO BE IN GOOD CONDITION. A DIFFERENCE WAS FOUND IN THE DISTANCE TO
LA2159 THE REFERENCE MARKS. THE OLD
LA2159 DESCRIPTION IS ADEQUATE.
LA2159
LA2159 HEIGHT OF LIGHT ABOVE STATION MARK 34 METERS.
LA2159
LA2159
LA2159 STATION RECOVERY (1954)
LA2159
LA2159 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1954 (ELJ)
LA2159 STATION WAS RECOVERED AND THE STATION MARK AND REFERENCE MARKS WERE
LA2159 FOUND IN GOOD CONDITION. THE
LA2159 AZIMUTH MARK HAD BEEN DESTROYED. THE DISTANCES TO THE REFERENCE
LA2159 MARKS CHECKED AND THE ANGLE BETWEEN
LA2159 THE TWO MARKS CHECKED. A NEW AZIMUTH MARK AND REFERENCE
LA2159 MARK NO. 3 WERE ESTABLISHED AT THIS TIME. THE
LA2159 TOWER WAS BUILT OVER REFERENCE MARK NO. 3
LA2159 AND ALL LINES OBSERVED FROM THIS POINT. A COMPLETE NEW
LA2159 DESCRIPTION FOLLOWS-
LA2159
LA2159 STATION IS LOCATED ON THE PROPERTY OF R.E. KELLEMS ALONG THE EAST
LA2159 SIDE OF STATE HIGHWAY 13
LA2159 ABOUT 10 MILES NORTHWEST OF ALEXANDRIA AND ABOUT 4 MILES NORTH OF
LA2159 ELWOOD. IT IS 222 FEET EAST OF THE
LA2159 CENTER OF THE HIGHWAY, 150 FEET EAST OF THE SOUTHEAST CORNER OF
LA2159 MR. KELLEMS HOUSE, 102 FEET SOUTH OF THE
LA2159 CENTER OF A GRAVEL ROAD, 96 FEET SOUTHWEST OF
LA2159 A WHITE WITNESS POST AND 64 FEET NORTH OF A FENCE. THE
LA2159 MARK IS 18 INCHES UNDERGROUND AND
LA2159 THE DISK IS STAMPED READER 1934 1954.
LA2159
LA2159 REFERENCE MARK NO. 1 IS 157.44 FEET SOUTHWEST OF THE STATION, 16 FEET
LA2159 SOUTHWEST OF THE SOUTHWEST
LA2159 CORNER OF A CONCRETE BLOCK BUILDING AND 1 FOOT NORTH OF A FENCE. THE
LA2159 MARK PROJECTS ABOUT 4 INCHES AND THE
LA2159 DISK IS STAMPED READER NO 1 1934.
LA2159
LA2159 REFERENCE MARK NO. 2 IS 136.45 FEET NORTHWEST OF THE STATION, 48 FEET
LA2159 EAST OF A TELEPHONE POLE AND
LA2159 20 FEET NORTH OF THE CENTER OF THE GRAVEL ROAD. THE MARK PROJECTS
LA2159 ABOUT 8 INCHES AND THE DISK IS
LA2159 STAMPED READER NO 2 1934.
LA2159
LA2159 REFERENCE MARK NO. 3 IS 83.75 FEET NORTHEAST OF THE STATION, 22 FEET
LA2159 SOUTH OF THE CENTER OF THE
LA2159 GRAVEL ROAD, 15 FEET SOUTHWEST OF A WHITE WITNESS POST AND 13 FEET
LA2159 SOUTHWEST OF A FENCE CORNER. THE MARK
LA2159 IS FLUSH AND THE DISK IS STAMPED READER NO 3 1934
LA2159 1954.
LA2159
LA2159 AZIMUTH MARK IS 40 FEET WEST OF THE CENTER OF HIGHWAY 13, 2 FEET
LA2159 SOUTH OF A WHITE WITNESS POST
LA2159 AND 1 FOOT EAST OF A FENCE. THE MARK PROJECTS ABOUT 4 INCHES AND THE
LA2159 DISK IS STAMPED READER 1934 RESET
LA2159 1954.
LA2159

LA2159 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND 13 IN
LA2159 ELWOOD, GO NORTH HIGHWAY 13
LA2159 FOR 4.0 MILES TO MR. KELLEMS HOUSE ON THE RIGHT AND THE STATION ON
LA2159 THE RIGHT AS DESCRIBED. CONTINUE
LA2159 NORTH ON THE HIGHWAY FOR 0.4 MILE TO THE AZIMUTH MARK ON
LA2159 THE LEFT AS DESCRIBED.
LA2159

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2158 **********

LA2158 DESIGNATION - READER RM 3
LA2158 PID - LA2158
LA2158 STATE/COUNTY- IN/MADISON
LA2158 USGS QUAD - ELWOOD
LA2158
LA2158 HORZ DATUM - NAD 83
LA2158 VERT DATUM - NGVD 29
LA2158
LA2158 POSITION - 40 20 05.19108(N) 085 50 30.33513(W) ADJUSTED
LA2158 83 minus 27 - +00.13488 -00.07327 ADJUSTED
LA2158
LA2158 HEIGHT - 266. (meters) 873. (feet) SCALED
LA2158 88 minus 29 - -0. VERTCON

LA2158 **********

LA2158 LAPLACE CORR- 1.74 DEFLEC93
LA2158 GEOID HEIGHT- -34.27 GEOID93
LA2158
LA2158 HORZ ORDER - SECOND
LA2158
LA2158 The horizontal position was established by classical geodetic methods
LA2158 and adjusted by the National Geodetic Survey in July 1986.
LA2158
LA2158 The orthometric height was scaled from a topographic map.
LA2158
LA2158 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2158
LA2158 The geoid height was determined by GEOID93.
LA2158

		North	East	Scale	Converg.	
SPC IN E	-	564,703.842	85,121.891	0.99996939	-0 06 48.0	MT
UTM 16	-	4,465,558.767	598,383.632	0.99971915	+0 44 59.0	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	RYBOLT	009 03 27.5
UTM 16	-	RYBOLT	008 11 40.5

Pid	Reference Object	Distance	Geod. AZ
			dddmmss.s
LA2151	RYBOLT	APPROX. 9.4 KM	0085639.5
LA2159	READER RESET	25.527 METERS	19909

HISTORY	Year	Condition	Recov. By
HISTORY	1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY

STATION DESCRIPTION

LA2158 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (CLA)
LA2158 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND 13 IN
LA2158 ELWOOD, GO NORTH HIGHWAY 13
LA2158 FOR 4.0 MILES TO MR. KELLEMS HOUSE ON THE RIGHT AND THE STATION ON
LA2158 THE RIGHT AS DESCRIBED.
LA2158
LA2158 REFERENCE MARK NO. 3 IS 83.75 FEET NORTHEAST OF THE STATION, 22 FEET
LA2158 SOUTH OF THE CENTER OF THE
LA2158 GRAVEL ROAD, 15 FEET SOUTHWEST OF A WHITE WITNESS POST AND 13 FEET
LA2158 SOUTHWEST OF A FENCE CORNER. THE MARK

LA2158 IS FLUSH AND THE DISK IS STAMPED READER NO 3 1934
LA2158 1954.
LA2158

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2157 **********

LA2157 DESIGNATION - FRESH
LA2157 PID - LA2157
LA2157 STATE/COUNTY- IN/MADISON
LA2157 USGS QUAD - ELWOOD
LA2157
LA2157 HORZ DATUM - NAD 83
LA2157 VERT DATUM - NGVD 29
LA2157
LA2157 POSITION - 40 22 17.47216(N) 085 47 09.27475(W) ADJUSTED
LA2157 83 minus 27 - +00.14126 -00.07495 ADJUSTED
LA2157
LA2157 HEIGHT - 271. (meters) 889. (feet) SCALED
LA2157 88 minus 29 - -0. VERTCON

LA2157 **********

LA2157 LAPLACE CORR- 1.91 DEFLEC93
LA2157 GEOID HEIGHT- -34.24 GEOID93
LA2157
LA2157 HORZ ORDER - SECOND
LA2157
LA2157 The horizontal position was established by classical geodetic methods
LA2157 and adjusted by the National Geodetic Survey in July 1986.
LA2157
LA2157 The orthometric height was scaled from a topographic map.
LA2157
LA2157 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2157
LA2157 The geoid height was determined by GEOID93.
LA2157

		North	East	Scale	Converg.	
LA2157 SPC IN E	-	568,776.006	89,873.117	0.99996793	-0 04 38.1	MT
LA2157 UTM 16	-	4,469,701.053	603,071.814	0.99973077	+0 47 11.3	MT

LA2157

		Primary Azimuth Mark	Grid Az
LA2157 SPC IN E	-	FRESH AZ MK	356 09 36.1
LA2157 UTM 16	-	FRESH AZ MK	355 17 46.7

LA2157

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2157	FRESH RM 2	30.074 METERS	00537
LA2157	FRESH RM 1	32.269 METERS	26102
LA2157	FRESH AZ MK		3560458.0

LA2157

LA2157 HISTORY	- Year	Condition	Recov. By
LA2157 HISTORY	- 1948	STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2157

LA2157 STATION DESCRIPTION

LA2157
LA2157 DESCRIBED BY COAST AND GEODETIC SURVEY 1948 (RCB)
LA2157 THE STATION IS LOCATED 8 MILES SOUTHWEST OF FAIRMOUNT, 7 MILES
LA2157 NORTHEAST OF ELWOOD AND
LA2157 4 MILES SOUTHEAST OF PT. ISABEL IN THE SOUTHEAST ANGLE OF STATE
LA2157 HIGHWAY 37 AND A EAST-WEST GRAVEL
LA2157 CROSS ROAD. IT IS 67 FEET SOUTHEAST OF THE INTERSECTION OF STATE
LA2157 HIGHWAY 37 AND THE GRAVEL ROAD, 54 FEET
LA2157 EAST OF THE CENTER OF THE HIGHWAY, 44 FEET SOUTH OF
LA2157 THE CENTER OF THE GRAVEL ROAD, 11 FEET NORTHWEST

LA2157 OF A FENCE LINE AND 11 FEET NORTHWEST OF
LA2157 A WHITE WITNESS POST. THE MARK IS FLUSH AND THE DISK IS STAMPED
LA2157 FRESH 1948.
LA2157
LA2157 REFERENCE MARK NO. 1 IS 105.87 FEET WEST-SOUTHWEST OF THE STATION.
LA2157 IT IS 58 FEET SOUTH OF THE
LA2157 CENTER OF THE GRAVEL ROAD, 51 FEET WEST OF THE CENTER OF THE HIGHWAY
LA2157 AND 4 FEET NORTHWEST OF A FENCE
LA2157 CORNER. THE MARK PROJECTS 3 INCHES AND THE DISK IS STAMPED
LA2157 FRESH NO 1 1948.
LA2157
LA2157 REFERENCE MARK NO. 2 IS 98.67 FEET NORTH OF THE STATION. IT IS 63
LA2157 FEET EAST OF THE CENTER OF THE
LA2157 HIGHWAY, 56 FEET NORTH OF THE CENTER OF THE GRAVEL ROAD AND 1 FOOT
LA2157 SOUTHWEST OF A FENCE LINE. THE MARK
LA2157 PROJECTS 2 INCHES AND THE DISK IS STAMPED FRESH NO 2 1948.
LA2157
LA2157 THE AZIMUTH MARK IS 0.3 MILE NORTH OF THE STATION. IT IS 82 FEET
LA2157 NORTHEAST OF THE NORTHEAST
LA2157 CORNER OF A FRAME HOUSE, 53 FEET EAST OF THE CENTER OF STATE HIGHWAY
LA2157 37, 31 FEET NORTH OF A POWER
LA2157 LINE POLE, 4 FEET SOUTH OF A WHITE WITNESS POST AND
LA2157 2 FEET NORTHEAST OF A FENCE CORNER. THE MARK
LA2157 PROJECTS 2 INCHES AND THE DISK IS
LA2157 STAMPED FRESH 1948.
LA2157
LA2157 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 37 AND 26,
LA2157 10 MILES SOUTHWEST OF
LA2157 MARION, GO SOUTH ON HIGHWAY 37 FOR 4.2 MILE TO THE AZIMUTH MARK ON
LA2157 THE RIGHT AS DESCRIBED,
LA2157 CONTINUE FOR 0.3 MILE TO THE STATION ON THE LEFT AS DESCRIBED.
LA2157
LA2157 HEIGHT OF LIGHT ABOVE STATION MARK 30 METERS.
LA2157

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2146 **********

LA2146 DESIGNATION - FRANKTON MUNICIPAL TANK
LA2146 PID - LA2146
LA2146 STATE/COUNTY- IN/MADISON
LA2146 USGS QUAD - FRANKTON
LA2146
LA2146 HORZ DATUM - NAD 83
LA2146 VERT DATUM - N/A
LA2146
LA2146 POSITION - 40 13 11.19116(N) 085 46 44.30668(W) ADJUSTED
LA2146 83 minus 27 - +00.14318 -00.08447 ADJUSTED
LA2146
LA2146 HEIGHT -

LA2146 **********

LA2146 HORZ ORDER - THIRD
LA2146
LA2146 The horizontal position was established by classical geodetic methods
LA2146 and adjusted by the National Geodetic Survey in July 1986.
LA2146

		North	East	Scale	Converg.	
LA2146 SPC IN E	-	551,926.009	90,440.772	0.99996779	-0 04 21.1	MT
LA2146 UTM 16	-	4,452,865.483	603,892.816	0.99973287	+0 47 18.6	MT

LA2146
LA2146 HISTORY - Year Condition Recov. By
LA2146 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2146
LA2146 STATION DESCRIPTION
LA2146
LA2146 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2146 FRANKTON MUNICIPAL WATER TANK IS LOCATED IN THE SOUTH EDGE OF
LA2146 FRANKTON ALONG THE NORTH SIDE OF CEMETARY ROAD AND ABOUT 0.15 MILE
LA2146 SOUTHWEST OF THE FRANKTON RAILROAD DEPOT.
LA2146
LA2146 IT IS A 4-LEGGED GRAYISH BLUE, OVAL STEEL TANK AND HAS AN
LA2146 OVERALL HEIGHT OF 130 FEET.
LA2146
LA2146 THE POINT INTERSECTED WAS THE CENTER OF CAP ATOP THE TANK.
LA2146

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2152 **********

LA2152 DESIGNATION - ELWOOD CITY HALL DOME
LA2152 PID - LA2152
LA2152 STATE/COUNTY- IN/MADISON
LA2152 USGS QUAD - ELWOOD
LA2152
LA2152 HORZ DATUM - NAD 83
LA2152 VERT DATUM - N/A
LA2152
LA2152 POSITION - 40 16 36.04355(N) 085 50 23.45037(W) ADJUSTED
LA2152 83 minus 27 - +00.13655 -00.07463 ADJUSTED
LA2152
LA2152 HEIGHT -

LA2152 **********

LA2152 HORZ ORDER - THIRD
LA2152
LA2152 The horizontal position was established by classical geodetic methods
LA2152 and adjusted by the National Geodetic Survey in July 1986.
LA2152

		North	East	Scale	Converg.	
LA2152 SPC IN E	-	558,252.663	85,271.783	0.99996934	-0 06 43.0	MT
LA2152 UTM 16	-	4,459,112.187	598,630.559	0.99971975	+0 45 00.3	MT

LA2152
LA2152 THE LANDMARK IS A DOME
LA2152

LA2152 HISTORY	-	Year Condition	Recov. By
LA2152 HISTORY	-	1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2152
LA2152 STATION DESCRIPTION
LA2152
LA2152 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2152 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2153 **********

LA2153 DESIGNATION - ELWOOD ST JOSEPH CATH CH SPIRE
LA2153 PID - LA2153
LA2153 STATE/COUNTY- IN/MADISON
LA2153 USGS QUAD - ELWOOD
LA2153
LA2153 HORZ DATUM - NAD 83
LA2153 VERT DATUM - N/A
LA2153
LA2153 POSITION - 40 16 34.02611(N) 085 50 38.99745(W) ADJUSTED
LA2153 83 minus 27 - +00.13711 -00.07355 ADJUSTED
LA2153
LA2153 HEIGHT -

LA2153 **********

LA2153 HORZ ORDER - THIRD
LA2153
LA2153 The horizontal position was established by classical geodetic methods
LA2153 and adjusted by the National Geodetic Survey in July 1986.
LA2153

		North	East	Scale	Converg.	
LA2153 SPC IN E	-	558,191.165	84,904.378	0.99996947	-0 06 53.1	MT
LA2153 UTM 16	-	4,459,045.185	598,264.213	0.99971886	+0 44 50.2	MT

LA2153
LA2153 THE LANDMARK IS A CHURCH SPIRE
LA2153

LA2153 HISTORY	-	Year Condition	Recov. By
LA2153 HISTORY	-	1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2153
LA2153 STATION DESCRIPTION
LA2153
LA2153 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2153 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2154 **********
LA2154 DESIGNATION - ELWOOD SELLERS KITCHEN CAB TK
LA2154 PID - LA2154
LA2154 STATE/COUNTY- IN/MADISON
LA2154 USGS QUAD - ELWOOD
LA2154
LA2154 HORZ DATUM - NAD 83
LA2154 VERT DATUM - N/A
LA2154
LA2154 POSITION - 40 16 44.67246(N) 085 50 41.13212(W) ADJUSTED
LA2154 83 minus 27 - +00.13946 -00.07288 ADJUSTED
LA2154
LA2154 HEIGHT -
LA2154 **********
LA2154 HORZ ORDER - THIRD
LA2154
LA2154 The horizontal position was established by classical geodetic methods
LA2154 and adjusted by the National Geodetic Survey in July 1986.
LA2154

		North	East	Scale	Converg.	
LA2154 SPC IN E	-	558,519.636	84,854.609	0.99996949	-0 06 54.5	MT
LA2154 UTM 16	-	4,459,372.788	598,209.521	0.99971873	+0 44 49.0	MT

LA2154
LA2154 THE LANDMARK IS A TANK
LA2154
LA2154 HISTORY - Year Condition Recov. By
LA2154 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2154
LA2154 STATION DESCRIPTION
LA2154
LA2154 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2154 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2155 **********

LA2155 DESIGNATION - ELWOOD MC BETH EVANS GLASS TK
LA2155 PID - LA2155
LA2155 STATE/COUNTY- IN/MADISON
LA2155 USGS QUAD - ELWOOD
LA2155
LA2155 HORZ DATUM - NAD 83
LA2155 VERT DATUM - N/A
LA2155
LA2155 POSITION - 40 17 11.15233(N) 085 51 01.33714(W) ADJUSTED
LA2155 83 minus 27 - +00.13733 -00.07386 ADJUSTED
LA2155
LA2155 HEIGHT -

LA2155 **********

LA2155 HORZ ORDER - THIRD
LA2155
LA2155 The horizontal position was established by classical geodetic methods
LA2155 and adjusted by the National Geodetic Survey in July 1986.
LA2155

		North	East	Scale	Converg.	
LA2155 SPC IN E	-	559,337.342	84,379.000	0.99996967	-0 07 07.6	MT
LA2155 UTM 16	-	4,460,183.041	597,721.786	0.99971755	+0 44 36.3	MT

LA2155
LA2155 THE LANDMARK IS A TANK
LA2155

LA2155 HISTORY	- Year	Condition	Recov. By
LA2155 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA2155 HISTORY	- 1948	SEE DESCRIPTIVE TEXT	COAST AND GEODETIC SURVEY

LA2155
LA2155 STATION DESCRIPTION
LA2155
LA2155 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA2155
LA2155
LA2155 STATION RECOVERY (1948)
LA2155
LA2155 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (JMN)
LA2155 STATION RECOVERED. THE TANK IS 150 FEET NW OF THE INTERSECTION OF
LA2155 NINTH AND J STREETS IN
LA2155 ELWOOD. ONLY THE LEGS AND THE BOTTOM OF THE TANK REMAIN.
LA2155

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2145 **********

LA2145 DESIGNATION - ELVIN 2 RM A 1970
LA2145 PID - LA2145
LA2145 STATE/COUNTY- IN/MADISON
LA2145 USGS QUAD - ANDERSON NORTH
LA2145
LA2145 HORZ DATUM - NAD 83
LA2145 VERT DATUM - NGVD 29
LA2145
LA2145 POSITION - 40 13 13.46901(N) 085 40 00.23371(W) ADJUSTED
LA2145 83 minus 27 - +00.14665 -00.09029 ADJUSTED
LA2145
LA2145 HEIGHT - 270.9 (meters) 889. (feet) VERT ANGLE
LA2145 88 minus 29 - -0.1 VERTCON
LA2145 **********
LA2145 LAPLACE CORR- 1.80 DEFLEC93
LA2145 GEOID HEIGHT- -34.08 GEOID93
LA2145
LA2145 HORZ ORDER - FIRST
LA2145
LA2145 The horizontal position was established by classical geodetic methods
LA2145 and adjusted by the National Geodetic Survey in July 1986.
LA2145
LA2145 The orthometric height was determined by vertical angle observations.
LA2145
LA2145 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2145
LA2145 The geoid height was determined by GEOID93.
LA2145

		North	East	Scale	Converg.	
SPC IN E	-	551,990.216	99,994.474	0.99996667	-0 00 00.2	MT
UTM 16	-	4,453,073.205	613,442.359	0.99975842	+0 51 39.7	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	ALEXANDRIA MUNICIPAL TANK	346 47 57.4
UTM 16	-	ALEXANDRIA MUNICIPAL TANK	345 56 17.5

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2144	ELVIN 2	26.440 METERS	16804
LA2146	FRANKTON MUNICIPAL TANK	APPROX. 9.6 KM	2693653.6
LA2117	ALEXANDRIA MUNICIPAL TANK	APPROX. 6.0 KM	3464757.2

LA2145 STABILITY: MAY HOLD, BUT OF TYPE COMMONLY SUBJECT TO SURFACE
LA2145 STABILITY: MOTION - E.G. FROST HEAVE, ETC
LA2145

LA2145 HISTORY	- Year	Condition	Recov. By
LA2145 HISTORY	- 1970	STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2145

STATION DESCRIPTION

LA2145
LA2145 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2145 THE STATION IS LOCATED IN THE SOUTHWEST CORNER OF SECTION 31,
LA2145 T. 21 N., R. 8 E. AND ON PROPERTY OF MR. WILLIAM BLAIR OF
LA2145 1002 GARNET DRIVE, ANDERSON, INDIANA. IT IS ABOUT 6 MILES
LA2145 EAST OF FRANKTON AND 3 MILES SOUTH OF ALEXANDRIA.
LA2145
LA2145 FOR THE TO REACH SEE THE DESCRIPTION FOR TRIANGULATION

LA2145 STATION ELVIN 2.
LA2145
LA2145 THE STATION MARK IS A STANDARD DISK STAMPED ELVIN 2 RM A 1970,
LA2145 SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT 16
LA2145 INCHES BELOW THE GROUND SURFACE. IT IS 131 FEET EAST OF FLOOD
LA2145 LAMP POLE NUMBER MA 46-268 AND 72.5 FEET NORTH-NORTHEAST OF
LA2145 A FLOOD LAMP POLE. NOTES 1A AND 7A
LA2145
LA2145 NOTE--THE TRAVERSE DISTANCE NOTED BELOW HAS BEEN REDUCED TO
LA2145 SEA LEVEL.
LA2145

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2113 **********

LA2113 DESIGNATION - ALEXANDRIA MUNICIPAL STANDPIPE
LA2113 PID - LA2113
LA2113 STATE/COUNTY- IN/MADISON
LA2113 USGS QUAD - ALEXANDRIA
LA2113
LA2113 HORZ DATUM - NAD 83
LA2113 VERT DATUM - N/A
LA2113
LA2113 POSITION - 40 15 24.93269(N) 085 40 30.38537(W) ADJUSTED
LA2113 83 minus 27 - +00.14569 -00.08763 ADJUSTED
LA2113
LA2113 HEIGHT -

LA2113 **********

LA2113 HORZ ORDER - THIRD
LA2113
LA2113 The horizontal position was established by classical geodetic methods
LA2113 and adjusted by the National Geodetic Survey in July 1986.
LA2113

		North	East	Scale	Converg.	
LA2113 SPC IN E	-	556,045.011	99,281.976	0.99996667	-0 00 19.6	MT
LA2113 UTM 16	-	4,457,115.984	612,669.145	0.99975627	+0 51 22.5	MT

LA2113
LA2113 THE LANDMARK IS A STANDPIPE TANK
LA2113

		Year	Condition	Recov. By
LA2113 HISTORY	-	1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2113
LA2113 STATION DESCRIPTION
LA2113
LA2113 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2113 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2114 **********

LA2114 DESIGNATION - ALEXANDRIA ALLADIN INDUST TANK
LA2114 PID - LA2114
LA2114 STATE/COUNTY- IN/MADISON
LA2114 USGS QUAD - ALEXANDRIA
LA2114
LA2114 HORZ DATUM - NAD 83
LA2114 VERT DATUM - N/A
LA2114
LA2114 POSITION - 40 15 42.66189(N) 085 41 07.93028(W) ADJUSTED
LA2114 83 minus 27 - +00.14389 -00.08672 ADJUSTED
LA2114
LA2114 HEIGHT -

LA2114 **********

LA2114 HORZ ORDER - THIRD
LA2114
LA2114 The horizontal position was established by classical geodetic methods
LA2114 and adjusted by the National Geodetic Survey in July 1986.
LA2114

		North	East	Scale	Converg.	
LA2114 SPC IN E	-	556,591.974	98,394.884	0.99996670	-0 00 43.9	MT
LA2114 UTM 16	-	4,457,649.431	611,774.117	0.99975379	+0 50 58.6	MT

LA2114
LA2114 THE LANDMARK IS A TANK
LA2114

LA2114 HISTORY	- Year	Condition	Recov. By
LA2114 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2114
LA2114 STATION DESCRIPTION
LA2114
LA2114 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2114 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2115 **********

LA2115 DESIGNATION - QUINN
LA2115 PID - LA2115
LA2115 STATE/COUNTY- IN/MADISON
LA2115 USGS QUAD - ALEXANDRIA
LA2115
LA2115 HORZ DATUM - NAD 83
LA2115 VERT DATUM - NGVD 29
LA2115
LA2115 POSITION - 40 19 39.94097(N) 085 39 54.31476(W) ADJUSTED
LA2115 83 minus 27 - +00.13757 -00.08674 ADJUSTED
LA2115
LA2115 HEIGHT - 275. (meters) 902. (feet) SCALED
LA2115 88 minus 29 - -0. VERTCON

LA2115 **********

LA2115 LAPLACE CORR- 1.59 DEFLEC93
LA2115 GEOID HEIGHT- -34.11 GEOID93
LA2115
LA2115 HORZ ORDER - FIRST
LA2115
LA2115 The horizontal position was established by classical geodetic methods
LA2115 and adjusted by the National Geodetic Survey in July 1986.
LA2115
LA2115 The orthometric height was scaled from a topographic map.
LA2115
LA2115 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2115
LA2115 The geoid height was determined by GEOID93.
LA2115

		North	East	Scale	Converg.	
LA2115 SPC IN E	-	563,910.322	100,134.205	0.99996667	+0 00 03.7	MT
LA2115 UTM 16	-	4,464,991.581	613,402.750	0.99975830	+0 51 50.4	MT

LA2115

		Primary Azimuth Mark	Grid Az
LA2115 SPC IN E	-	QUINN AZ MK	297 01 16.4
LA2115 UTM 16	-	QUINN AZ MK	296 09 29.7

LA2115

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2115 LA2122	FAIRMOUNT MUNICIPAL TANK	APPROX. 9.8 KM	0060627.7
LA2115 LA2103	UPLAND TAYLOR U ADMIN BLDG TWR	APPROX.20.4 KM	0444819.9
LA2115 LA2116	SUMMITVILLE MUNICIPAL TANK	APPROX. 2.3 KM	0512731.9
LA2115	QUINN RM 1	34.156 METERS	18042
LA2115	QUINN RM 2	39.959 METERS	28649
LA2115	QUINN AZ MK		2970120.1

LA2115

LA2115 HISTORY	- Year	Condition	Recov. By
LA2115 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA2115 HISTORY	- 1948	GOOD	COAST AND GEODETIC SURVEY
LA2115 HISTORY	- 1955	GOOD	COAST AND GEODETIC SURVEY

LA2115

LA2115 STATION DESCRIPTION

LA2115

LA2115 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA2115 ABOUT 4.5 MILES
LA2115 NORTH OF
LA2115 ALEXANDRIA, 2 MILES SOUTHWEST OF SUMMITVILLE, IN A SMALL

LA2115 HOG LOT OWNED BY MARTHA
LA2115 QUINN, 0.35 MILE EAST OF STATE HIGHWAY 9,
LA2115 ON THE SOUTH SIDE OF A GRAVEL CROSS ROAD,
LA2115 112 FEET EAST OF THE
LA2115 NORTHEAST CORNER OF THE BARN, 129 FEET SOUTH OF THE SOUTH
LA2115 RIGHT-OF-WAY FENCE
LA2115 OF THE GRAVEL ROAD, 22 FEET WEST OF THE EAST PASTURE
LA2115 FENCE, AND IS SET 14 INCHES UNDERGROUND.
LA2115
LA2115 TO REACH FROM THE INTERSECTION OF STATE HIGHWAYS 9 AND 28
LA2115 1 MILE NORTH OF
LA2115 ALEXANDRIA, GO NORTH ON STATE HIGHWAY 9 FOR 3.5
LA2115 MILES, THEN EAST ON GRAVEL CROSS
LA2115 ROAD 0.35 MILE TO THE STATION.
LA2115
LA2115 SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD
LA2115 BRONZE DISKS IN CONCRETE.
LA2115
LA2115 REFERENCE MARK NO. 1 IS SOUTH OF THE STATION, IN THE SOUTH
LA2115 LANE FENCE, 5 FEET
LA2115 WEST OF THE NORTHEAST CORNER OF A FIELD, 194.72
LA2115 FEET SOUTHEAST OF REFERENCE MARK NO.
LA2115 2, AND PROJECTS 5 INCHES.
LA2115 REFERENCE MARK NO. 2 IS WEST OF THE STATION, IN THE
LA2115 WEST FENCE OF
LA2115 THE HOG LOT, 57 FEET NORTH OF THE NORTHEAST CORNER OF THE BARN,
LA2115 AND PROJECTS 5 INCHES.
LA2115
LA2115 AZIMUTH MARK IS WEST-NORTHWEST OF THE STATION, 0.15 MILE NORTH
LA2115 OF THE GRAVEL
LA2115 ROAD, IN THE SOUTH FENCE OF A GARDEN PLOT, 100 FEET
LA2115 SOUTH OF THE FIRST HOUSE NORTH
LA2115 OF THE GRAVEL ROAD, 53 FEET EAST OF
LA2115 THE CENTER LINE OF STATE HIGHWAY 9, AND PROJECTS 5 INCHES.
LA2115
LA2115 NO SUITABLE OBJECTS VISIBLE FROM THE GROUND.
LA2115
LA2115 90-FOOT TOWER WILL CLEAR ALL LINES.
LA2115
LA2115
LA2115 STATION RECOVERY (1948)
LA2115
LA2115 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (RCB)
LA2115 STATION WAS RECOVERED AS DESCRIBED AND ALL
LA2115 MARKS WERE FOUND
LA2115 TO BE IN GOOD CONDITION. SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH
LA2115 MARKS ARE STANDARD BRONZE DISKS SET IN CONCRETE.
LA2115 MEASUREMENTS TO ALL MARKS CHECKED AND DIRECTION TO
LA2115 REFERENCE MARKS ALSO CHECKED. OLD
LA2115 DESCRIPTION WAS CHECKED AND FOUND TO BE ADEQUATE.
LA2115
LA2115 HEIGHT OF LIGHT ABOVE STATION- 30 METERS.
LA2115
LA2115
LA2115 STATION RECOVERY (1955)
LA2115
LA2115 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1955 (JSB)
LA2115 THE STATION MARK AND REFERENCE MARKS WERE RECOVERED IN GOOD
LA2115 CONDITION.
LA2115

LA2115 THE STATION IS LOCATED 3.5 MILES NORTH OF THE JUNCTION OF
LA2115 STATE HIGHWAYS 9
LA2115 AND 28, WHICH 1.0 MILE NORTH OF ALEXANDRIA, 6.5
LA2115 MILES SOUTH OF THE JUNCTION OF
LA2115 STATE HIGHWAYS 9 AND 26, 0.3 MILE
LA2115 EAST OF STATE HIGHWAY 9, ON SOUTH SIDE OF A
LA2115 GRAVEL ROAD, AT EAST
LA2115 SIDE OF A HOG LOT OWNED BY MRS. QUINN (WHOSE TENANT HOUSE IS
LA2115 ABOUT 75 YARDS
LA2115 WEST OF STATION), 129.0 FEET SOUTH OF THE SOUTH RIGHT-OF-WAY
LA2115 FENCE OF THE ROAD ALONG
LA2115 NORTH SIDE OF HOG LOT, 147.7 FEET SOUTH
LA2115 OF CENTER LINE OF GRAVEL ROAD, 112.0 FEET
LA2115 EAST OF SOUTH-EAST CORNER
LA2115 OF BARN, 22.0 FEET WEST OF FENCE ALONG EAST SIDE OF PASTURE,
LA2115 AND 14 INCHES
LA2115 BELOW THE SURFACE.
LA2115
LA2115 REACHED FROM THE SOUTH AS DESCRIBED ABOVE.
LA2115
LA2115 TO REACH FROM THE NORTH, GO TO THE JUNCTION OF STATE HIGHWAYS
LA2115 9 AND 26, THERE GO
LA2115 SOUTH ON STATE HIGHWAY 9 FOR 6.5 MILES TO
LA2115 A GRAVEL CROSS ROAD, THEN EAST 0.3
LA2115 MILE TO MRS. QUINNS TENANT
LA2115 HOUSE AND STATION ON SOUTH SIDE OF ROAD.
LA2115
LA2115 REFERENCE MARK NO. 1 IS DISTANT 112.2 FEET, BEARING 179 DEG
LA2115 (MAGNETIC).
LA2115 REFERENCE MARK NO. 2 IS DISTANT 131.1 FEET, BEARING
LA2115 285 DEG (MAGNETIC). BOTH
LA2115 REFERENCE MARKS ARE STANDARD BRONZE DISKS
LA2115 SET IN CONCRETE, AND PROJECT 5 INCHES.
LA2115
LA2115 ALL MARKS WERE RECOVERED AND FOUND TO BE IN GOOD CONDITION. TWO
LA2115 DESCREPANCIES WERE NOTED- THE
LA2115 DISTANCE FROM THE NORTHEAST CORNER OF THE BARN TO THE STATION WAS
LA2115 FOUND TO BE 123 FEET, AND THE AZIMUTH
LA2115 MARK WAS FOUND TO BE 56 FEET EAST OF THE CENTER OF THE HIGHWAY.
LA2115 THE ORIGINAL DESCRIPTION IS CORRECT AND ADEQUATE.
LA2115
LA2115 HEIGHT OF LIGHT PLATE- 34 METERS.
LA2115

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2116 **********
LA2116 DESIGNATION - SUMMITVILLE MUNICIPAL TANK
LA2116 PID   - LA2116
LA2116 STATE/COUNTY- IN/MADISON
LA2116 USGS QUAD   - ALEXANDRIA
LA2116
LA2116 HORZ DATUM - NAD 83
LA2116 VERT DATUM - N/A
LA2116
LA2116 POSITION   - 40 20 26.29064(N)   085 38 38.26559(W)   ADJUSTED
LA2116 83 minus 27 -   +00.13664   -00.08641   ADJUSTED
LA2116
LA2116 HEIGHT   -
LA2116 **********
LA2116 HORZ ORDER - THIRD
LA2116
LA2116 The horizontal position was established by classical geodetic methods
LA2116 and adjusted by the National Geodetic Survey in July 1986.
LA2116

		North	East	Scale	Converg.	
LA2116 SPC IN E	-	565,340.164	101,929.050	0.99996671	+0 00 52.9	MT
LA2116 UTM 16	-	4,466,447.997	615,175.488	0.99976329	+0 52 40.4	MT

LA2116
LA2116 THE LANDMARK IS A TANK
LA2116

LA2116 HISTORY	- Year	Condition	Recov. By
LA2116 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA2116 HISTORY	- 1955	GOOD	COAST AND GEODETIC SURVEY

LA2116
LA2116 STATION DESCRIPTION
LA2116
LA2116 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA2116
LA2116
LA2116 STATION RECOVERY (1955)
LA2116
LA2116 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1955 (WFD)
LA2116 THE STATION WAS RECOVERED IN GOOD CONDITION.
LA2116

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2117 **********

LA2117 DESIGNATION - ALEXANDRIA MUNICIPAL TANK
LA2117 PID - LA2117
LA2117 STATE/COUNTY- IN/MADISON
LA2117 USGS QUAD - ALEXANDRIA
LA2117
LA2117 HORZ DATUM - NAD 83
LA2117 VERT DATUM - N/A
LA2117
LA2117 POSITION - 40 16 23.00970(N) 085 40 58.27790(W) ADJUSTED
LA2117 83 minus 27 - +00.14310 -00.08591 ADJUSTED
LA2117
LA2117 HEIGHT -

LA2117 **********

LA2117 HORZ ORDER - THIRD
LA2117
LA2117 The horizontal position was established by classical geodetic methods
LA2117 and adjusted by the National Geodetic Survey in July 1986.
LA2117

		North	East	Scale	Converg.	
LA2117 SPC IN E	-	557,836.391	98,623.186	0.99996669	-0 00 37.7	MT
LA2117 UTM 16	-	4,458,896.876	611,983.629	0.99975437	+0 51 05.5	MT

LA2117
LA2117 HISTORY - Year Condition Recov. By
LA2117 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2117

STATION DESCRIPTION

LA2117
LA2117 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2117 ALEXANDRIA MUNICIPAL WATER TANK IS LOCATED IN THE NORTH PART OF
LA2117 ALEXANDRIA, ABOUT 0.3 MILE SOUTH OF STATE HIGHWAY 28 IN THE PART
LA2117 OF AN OPEN FIELD.
LA2117
LA2117 THE STATION IS THE CAP ATOP THE 6 LEGGED, OVAL STEEL TANK,
LA2117 WHICH IS PAINTED SILVER AND HAS AN OVERALL HEIGHT OF ABOUT 125
LA2117 FEET. THE LETTERS ALEXANDRIA ARE PAINTED IN BLACK LETTERS ON THE
LA2117 NORTH AND SOUTH SIDE.
LA2117

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2118 **********

LA2118 DESIGNATION - RIGDON
LA2118 PID - LA2118
LA2118 STATE/COUNTY- IN/MADISON
LA2118 USGS QUAD - FAIRMOUNT
LA2118
LA2118 HORZ DATUM - NAD 83
LA2118 VERT DATUM - NGVD 29
LA2118
LA2118 POSITION - 40 22 45.48847(N) 085 40 18.46090(W) ADJUSTED
LA2118 83 minus 27 - +00.13837 -00.08430 ADJUSTED
LA2118
LA2118 HEIGHT - 271. (meters) 889. (feet) SCALED
LA2118 88 minus 29 - -0. VERTCON

LA2118 **********

LA2118 LAPLACE CORR- 1.44 DEFLEC93
LA2118 GEOID HEIGHT- -34.15 GEOID93
LA2118
LA2118 HORZ ORDER - THIRD
LA2118
LA2118 The horizontal position was established by classical geodetic methods
LA2118 and adjusted by the National Geodetic Survey in July 1986.
LA2118
LA2118 The orthometric height was scaled from a topographic map.
LA2118
LA2118 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2118
LA2118 The geoid height was determined by GEOID93.
LA2118

		North	East	Scale	Converg.	
SPC IN E	-	569,633.326	99,564.545	0.99996667	-0 00 12.0	MT
UTM 16	-	4,470,704.156	612,747.052	0.99975648	+0 51 38.0	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	RIGDON AZ MK	003 15 09.9
UTM 16	-	RIGDON AZ MK	002 23 19.9

Pid	Reference Object	Distance	Geod. AZ
			dddmmss.s
	RIGDON AZ MK		0031457.9
	RIGDON RM 1	23.577 METERS	09013
	RIGDON RM 2	26.095 METERS	18609

HISTORY	- Year	Condition	Recov. By
HISTORY	- 1955	STATION MONUMENTED	COAST AND GEODETIC SURVEY
HISTORY	- 1977	GOOD	NATIONAL GEODETIC SURVEY

STATION DESCRIPTION

DESCRIBED BY COAST AND GEODETIC SURVEY 1955 (WFD)
THE STATION IS ABOUT 3 MILES SOUTHWEST OF FAIRMOUNT, ON LAND OWNED BY
THE STATE. IT IS 79 FEET
SOUTH OF THE CENTER OF A GRAVELED ROAD, 40 FEET WEST OF THE CENTER OF
STATE HIGHWAY 9, 11 FEET EAST OF
A FENCE AND 10 FEET EAST OF A 4 X 4 INCH WHITE WITNESS
POST.

LA2118 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 9 AND 26, 1
LA2118 MILE WEST OF FAIRMOUNT, GO
LA2118 SOUTH ON HIGHWAY 9 FOR 2.7 MILES TO THE AZIMUTH MARK ON THE LEFT,
LA2118 CONTINUE SOUTH FOR 0.3 MILE TO THE
LA2118 STATION ON THE RIGHT.
LA2118
LA2118 THE STATION MARK IS FLUSH WITH THE GROUND, AND THE DISK IS STAMPED
LA2118 RIGDON 1955.
LA2118
LA2118 REFERENCE MARK 1 IS 2 FEET WEST OF A TELEPHONE POLE AND 38 FEET EAST
LA2118 OF THE CENTER OF THE HIGHWAY.
LA2118 THE MARK PROJECTS 6 INCHES, AND THE DISK IS STAMPED RIGDON NO 1 1955.
LA2118
LA2118 REFERENCE MARK 2 IS 50 FEET WEST OF THE CENTER OF THE HIGHWAY AND 1
LA2118 FOOT EAST OF A FENCE. THE
LA2118 MARK PROJECTS 6 INCHES, AND THE DISK IS STAMPED RIGDON NO 2 1955.
LA2118
LA2118 THE AZIMUTH MARK IS 50 FEET EAST OF THE CENTER OF THE HIGHWAY, 10
LA2118 FEET SOUTH OF A TELEPHONE POLE
LA2118 AND 1 FOOT WEST OF A FENCE. THE MARK PROJECTS 6 INCHES, AND THE DISK
LA2118 IS STAMPED RIGDON 1955.
LA2118
LA2118 HEIGHT OF LIGHT ABOVE STATION MARK 30 METERS.
LA2118
LA2118
LA2118 STATION RECOVERY (1977)
LA2118
LA2118 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1977 (CLN)
LA2118 FENCE AND TREE ON LINE RM 2 TO RM 3.
LA2118
LA2118 STATION MARK, REFERENCE MARK 2 AND THE AZIMUTH MARK FOUND IN GOOD
LA2118 CONDITION AND AS DESCRIBED. REFERENCE MARK 1 WAS NOT FOUND AND
LA2118 ASSUMED DESTROYED BY PARKING LOT CONSTRUCTION TO RESTAURANT. THE
LA2118 AZIMUTH MARK WAS NOT VISIBLE AT THIS TIME AS A LARGE SCHOOL SIGN
LA2118 OBSTRUCTS IT. REFERENCE MARK 3 WAS SET. THE DISTANCE TO
LA2118 REFERENCE MARK 2 WAS SHORTER BY 0.02 FOOT. THE DESCRIPTION IS
LA2118 ADEQUATE WITH THE ADDITION BELOW.
LA2118
LA2118 THE STATION IS 79 FEET SOUTH OF THE GRANT-MADISON COUNTY LINE, 30
LA2118 FEET SOUTHEAST OF A METAL WITNESS POST, 23 FEET SOUTHEAST OF A 18
LA2118 INCH WILD CHERRY TREE.
LA2118
LA2118 THE AZIMUTH MARK IS ON THE EAST SIDE OF STATE HIGHWAY 9 AND ACROSS
LA2118 THE HIGHWAY FROM THE NEW MADISON- GRANT HIGH SCHOOL AND 1 FOOT SOUTH
LA2118 OF A METAL WITNESS POST.
LA2118
LA2118 REFERENCE MARK 3 IS 51 FEET SOUTH OF THE CENTERLINE OF THE COUNTY
LA2118 LINE ROAD, 50 FEET WEST OF THE CENTERLINE OF THE HIGHWAY, 7.3 FEET
LA2118 NORTH OF THE WILD CHERRY TREE AND 1 FOOT NORTH OF THE METAL WITNESS
LA2118 POST. THE MONUMENT PROJECTS 1 INCH AND THE DISK STAMPED RIGDON
LA2118 1955 NO 3 1977.
LA2118
LA2118 AIRLINE DISTANCE AND DIRECTION FROM NEAREST TOWN--3 MILES SOUTHWEST
LA2118 OF FAIRMOUNT.
LA2118
LA2118 HEIGHT OF LIGHT ABOVE STATION MARK 5 FEET.
LA2118

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2129 **********
LA2129 DESIGNATION - CHESTERFIELD MUNICIPAL TANK
LA2129 PID - LA2129
LA2129 STATE/COUNTY- IN/MADISON
LA2129 USGS QUAD - MIDDLETOWN
LA2129
LA2129 HORZ DATUM - NAD 83
LA2129 VERT DATUM - N/A
LA2129
LA2129 POSITION - 40 06 33.72788(N) 085 35 54.09290(W) ADJUSTED
LA2129 83 minus 27 - +00.15888 -00.10110 ADJUSTED
LA2129
LA2129 HEIGHT -
LA2129 **********
LA2129 HORZ ORDER - THIRD
LA2129
LA2129 The horizontal position was established by classical geodetic methods
LA2129 and adjusted by the National Geodetic Survey in July 1986.
LA2129

		North	East	Scale	Converg.	
LA2129 SPC IN E	-	539,663.314	105,823.533	0.99996708	+0 02 38.4	MT
LA2129 UTM 16	-	4,440,837.636	619,454.595	0.99977566	+0 54 11.2	MT

LA2129
LA2129 THE LANDMARK IS A TANK
LA2129
LA2129 HISTORY - Year Condition Recov. By
LA2129 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2129
LA2129 STATION DESCRIPTION
LA2129
LA2129 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2129 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2131 **********
LA2131 DESIGNATION - EMPORIA PIPELINE CO MW KJI
LA2131 PID - LA2131
LA2131 STATE/COUNTY- IN/MADISON
LA2131 USGS QUAD - MIDDLETOWN
LA2131
LA2131 HORZ DATUM - NAD 83
LA2131 VERT DATUM - N/A
LA2131
LA2131 POSITION - 40 00 06.80395(N) 085 35 46.24336(W) ADJUSTED
LA2131 83 minus 27 - +00.16993 -00.07914 ADJUSTED
LA2131
LA2131 HEIGHT -
LA2131 **********
LA2131 HORZ ORDER - THIRD
LA2131
LA2131 The horizontal position was established by classical geodetic methods
LA2131 and adjusted by the National Geodetic Survey in July 1986.
LA2131

		North	East	Scale	Converg.	
LA2131 SPC IN E	-	527,729.864	106,018.872	0.99996711	+0 02 43.1	MT
LA2131 UTM 16	-	4,428,910.727	619,828.567	0.99977677	+0 54 09.0	MT

LA2131
LA2131 THE LANDMARK IS A MICROWAVE MAST
LA2131

LA2131 HISTORY	-	Year Condition	Recov. By
LA2131 HISTORY	-	1970 STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2131
LA2131 STATION DESCRIPTION
LA2131
LA2131 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2131 EMPORIA, PANHANDLE EASTERN PIPELINE COMPANY MICROWAVE KJI 68 IS
LA2131 LOCATED ABOUT 2 MILES EAST OF THE VILLAGE OF EMPORIA.
LA2131
LA2131 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAY 109 AND
LA2131 U.S. HIGHWAY 36 IN EMPORIA, GO EAST ON U.S. HIGHWAY 36 FOR 2.0
LA2131 MILES TO A CROSSROAD. TURN RIGHT AND GO SOUTH ON ROAD 400 E
LA2131 FOR 0.2 MILE TO THE STATION ON THE RIGHT.
LA2131
LA2131 STATION IS THE RED LIGHT ATOP THE RED AND WHITE, TRIANGULAR
LA2131 STEEL MAST. THE MAST HAS AN OVERALL HEIGHT OF 240 FEET AND HAS
LA2131 2 OCTAGON SHAPED REFLECTORS AT THE TOP.
LA2131

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2132 **********
LA2132 DESIGNATION - ANDERSON DELCO REMY CO STACK
LA2132 PID - LA2132
LA2132 STATE/COUNTY- IN/MADISON
LA2132 USGS QUAD - ANDERSON SOUTH
LA2132
LA2132 HORZ DATUM - NAD 83
LA2132 VERT DATUM - N/A
LA2132
LA2132 POSITION - 40 05 28.82571(N) 085 40 08.23493(W) ADJUSTED
LA2132 83 minus 27 - +00.15271 -00.09007 ADJUSTED
LA2132
LA2132 HEIGHT -
LA2132 **********
LA2132 HORZ ORDER - THIRD
LA2132
LA2132 The horizontal position was established by classical geodetic methods
LA2132 and adjusted by the National Geodetic Survey in July 1986.
LA2132

		North	East	Scale	Converg.	
LA2132 SPC IN E	-	537,659.338	99,804.930	0.99996667	-0 00 05.3	MT
LA2132 UTM 16	-	4,438,744.080	613,467.906	0.99975849	+0 51 26.3	MT

LA2132
LA2132 THE LANDMARK IS A STACK
LA2132
LA2132 HISTORY - Year Condition Recov. By
LA2132 HISTORY - 1934 STATION MONUMENTED COAST AND GEODETIC SURVEY
LA2132
LA2132 STATION DESCRIPTION
LA2132
LA2132 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2132 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2133 **********

LA2133 DESIGNATION - ANDERSON DELCO REMY CO TANK
LA2133 PID - LA2133
LA2133 STATE/COUNTY- IN/MADISON
LA2133 USGS QUAD - ANDERSON SOUTH
LA2133
LA2133 HORZ DATUM - NAD 83
LA2133 VERT DATUM - N/A
LA2133
LA2133 POSITION - 40 05 32.57725(N) 085 40 09.23977(W) ADJUSTED
LA2133 83 minus 27 - +00.15225 -00.09023 ADJUSTED
LA2133
LA2133 HEIGHT -

LA2133 **********

LA2133 HORZ ORDER - THIRD
LA2133
LA2133 The horizontal position was established by classical geodetic methods
LA2133 and adjusted by the National Geodetic Survey in July 1986.
LA2133

		North	East	Scale	Converg.	
LA2133 SPC IN E	-	537,775.045	99,781.131	0.99996667	-0 00 06.0	MT
LA2133 UTM 16	-	4,438,859.394	613,442.380	0.99975842	+0 51 25.7	MT

LA2133
LA2133 THE LANDMARK IS A TANK
LA2133

		Year	Condition	Recov. By
LA2133 HISTORY	-	1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2133
LA2133 STATION DESCRIPTION
LA2133
LA2133 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2133 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2134 **********

LA2134 DESIGNATION - ANDERSON IND RR SHOPS N STACK
LA2134 PID - LA2134
LA2134 STATE/COUNTY- IN/MADISON
LA2134 USGS QUAD - ANDERSON SOUTH
LA2134
LA2134 HORZ DATUM - NAD 83
LA2134 VERT DATUM - N/A
LA2134
LA2134 POSITION - 40 07 19.97894(N) 085 40 39.58389(W) ADJUSTED
LA2134 83 minus 27 - +00.15794 -00.09411 ADJUSTED
LA2134
LA2134 HEIGHT -

LA2134 **********

LA2134 HORZ ORDER - THIRD
LA2134
LA2134 The horizontal position was established by classical geodetic methods
LA2134 and adjusted by the National Geodetic Survey in July 1986.
LA2134

		North	East	Scale	Converg.	
LA2134 SPC IN E	-	541,087.636	99,062.757	0.99996668	-0 00 25.5	MT
LA2134 UTM 16	-	4,442,160.151	612,674.583	0.99975629	+0 51 08.0	MT

LA2134
LA2134 THE LANDMARK IS A STACK
LA2134

		Year	Condition	Recov. By
LA2134 HISTORY	-	1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2134
LA2134 STATION DESCRIPTION
LA2134
LA2134 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2134 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2135 **********
LA2135 DESIGNATION - ANDERSON ST MARYS CATH CHURCH
LA2135 PID - LA2135
LA2135 STATE/COUNTY- IN/MADISON
LA2135 USGS QUAD - ANDERSON SOUTH
LA2135
LA2135 HORZ DATUM - NAD 83
LA2135 VERT DATUM - N/A
LA2135
LA2135 POSITION - 40 06 18.87581(N) 085 40 31.78142(W) ADJUSTED
LA2135 83 minus 27 - +00.15581 -00.08858 ADJUSTED
LA2135
LA2135 HEIGHT -
LA2135 **********
LA2135 HORZ ORDER - THIRD
LA2135
LA2135 The horizontal position was established by classical geodetic methods
LA2135 and adjusted by the National Geodetic Survey in July 1986.
LA2135

		North	East	Scale	Converg.	
LA2135 SPC IN E	-	539,203.040	99,247.312	0.99996667	-0 00 20.5	MT
LA2135 UTM 16	-	4,440,278.930	612,887.332	0.99975688	+0 51 12.0	MT

LA2135
LA2135 THE LANDMARK IS A CHURCH SPIRE
LA2135

LA2135 HISTORY	-	Year Condition	Recov. By
LA2135 HISTORY	-	1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2135
LA2135 STATION DESCRIPTION
LA2135
LA2135 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2135 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2136 **********

LA2136 DESIGNATION - ANDERSON MUN POWER PLANT STACK
LA2136 PID - LA2136
LA2136 STATE/COUNTY- IN/MADISON
LA2136 USGS QUAD - ANDERSON SOUTH
LA2136
LA2136 HORZ DATUM - NAD 83
LA2136 VERT DATUM - N/A
LA2136
LA2136 POSITION - 40 06 19.50910(N) 085 40 23.25772(W) ADJUSTED
LA2136 83 minus 27 - +00.15910 -00.09328 ADJUSTED
LA2136
LA2136 HEIGHT -

LA2136 **********

LA2136 HORZ ORDER - THIRD
LA2136
LA2136 The horizontal position was established by classical geodetic methods
LA2136 and adjusted by the National Geodetic Survey in July 1986.
LA2136

		North	East	Scale	Converg.	
LA2136 SPC IN E	-	539,222.555	99,449.183	0.99996667	-0 00 15.0	MT
LA2136 UTM 16	-	4,440,301.464	613,088.845	0.99975744	+0 51 17.5	MT

LA2136
LA2136 THE LANDMARK IS A STACK
LA2136

LA2136 HISTORY	- Year	Condition	Recov. By
LA2136 HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2136
LA2136 STATION DESCRIPTION
LA2136
LA2136 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2136 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2137 **********

LA2137 DESIGNATION - ANDERSON MADISON CO CTHSE DOME
LA2137 PID - LA2137
LA2137 STATE/COUNTY- IN/MADISON
LA2137 USGS QUAD - ANDERSON SOUTH
LA2137
LA2137 HORZ DATUM - NAD 83
LA2137 VERT DATUM - N/A
LA2137
LA2137 POSITION - 40 06 26.97649(N) 085 40 43.35951(W) ADJUSTED
LA2137 83 minus 27 - +00.15849 -00.09349 ADJUSTED
LA2137
LA2137 HEIGHT -

LA2137 **********

LA2137 HORZ ORDER - THIRD
LA2137
LA2137 The horizontal position was established by classical geodetic methods
LA2137 and adjusted by the National Geodetic Survey in July 1986.
LA2137

		North	East	Scale	Converg.	
LA2137 SPC IN E	-	539,452.917	98,973.139	0.99996668	-0 00 27.9	MT
LA2137 UTM 16	-	4,440,524.617	612,609.502	0.99975611	+0 51 04.7	MT

LA2137
LA2137 THE LANDMARK IS A DOME
LA2137

LA2137 HISTORY	-	Year Condition	Recov. By
LA2137 HISTORY	-	1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2137
LA2137 STATION DESCRIPTION
LA2137
LA2137 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2137 NO TEXT AVAILABLE.

Destroyed

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2138 ***
LA2138 DESIGNATION - ANDERSON IND RR SHOPS S STACK
LA2138 PID   - LA2138
LA2138 STATE/COUNTY- IN/MADISON
LA2138 USGS QUAD   - ANDERSON SOUTH
LA2138
LA2138 HORZ DATUM - NAD 83
LA2138 VERT DATUM - N/A
LA2138
LA2138 POSITION   - 40 07 17.12603(N)   085 40 40.13940(W)   ADJUSTED
LA2138 83 minus 27 -   +00.15703   -00.09460   ADJUSTED
LA2138
LA2138 HEIGHT   -
LA2138 ***
LA2138 HORZ ORDER - THIRD
LA2138
LA2138 The horizontal position was established by classical geodetic methods
LA2138 and adjusted by the National Geodetic Survey in July 1986.
LA2138
LA2138   North   East   Scale   Converg.
LA2138 SPC IN E   -   540,999.647   99,049.593 0.99996668   -0 00 25.9 MT
LA2138 UTM 16   - 4,442,071.993   612,662.743 0.99975625   +0 51 07.6 MT
LA2138
LA2138 THE LANDMARK IS A STACK
LA2138
LA2138 HISTORY   - Year Condition   Recov. By
LA2138 HISTORY   - 1934 STATION MONUMENTED   COAST AND GEODETIC SURVEY
LA2138
LA2138   STATION DESCRIPTION
LA2138
LA2138 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2138 NO TEXT AVAILABLE.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2139 **********
LA2139 DESIGNATION - ANDERSON RAD STA WHBU MAST
LA2139 PID - LA2139
LA2139 STATE/COUNTY- IN/MADISON
LA2139 USGS QUAD - ANDERSON SOUTH
LA2139
LA2139 HORZ DATUM - NAD 83
LA2139 VERT DATUM - N/A
LA2139
LA2139 POSITION - 40 06 17.39462(N) 085 40 43.48876(W) ADJUSTED
LA2139 83 minus 27 - +00.15652 -00.09588 ADJUSTED
LA2139
LA2139 HEIGHT -
LA2139 **********
LA2139 HORZ ORDER - THIRD
LA2139
LA2139 The horizontal position was established by classical geodetic methods
LA2139 and adjusted by the National Geodetic Survey in July 1986.
LA2139

		North	East	Scale	Converg.	
LA2139 SPC IN E	-	539,157.389	98,970.038	0.99996668	-0 00 28.0	MT
LA2139 UTM 16	-	4,440,229.138	612,610.831	0.99975611	+0 51 04.4	MT

LA2139
LA2139 HISTORY - Year Condition Recov. By
LA2139 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2139
LA2139 STATION DESCRIPTION
LA2139
LA2139 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2139 ANDERSON, RADIO STATION WHBU MAST IS LOCATED IN ANDERSON ATOP
LA2139 THE 6 STORY CITIZENS BANK BUILDING AND OPERATED BY THE ANDERSON
LA2139 BROADCASTING COMPANY, OFFICES AT 640 CITIZENS BANK BUILDING.
LA2139
LA2139 STATION IS THE RED LIGHT ATOP THE 4 LEGGED, RED AND WHITE STEEL
LA2139 MAST. THE OVERALL HEIGHT OF THE MAST IS 179 FEET ABOVE THE ROOF
LA2139 OF THE BUILDING AND 288 FEET ABOVE GROUND LEVEL.
LA2139

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LA2140 **********

LA2140 DESIGNATION - ANDERSON RAD STA WAFM MAST
LA2140 PID - LA2140
LA2140 STATE/COUNTY- IN/MADISON
LA2140 USGS QUAD - ANDERSON SOUTH
LA2140
LA2140 HORZ DATUM - NAD 83
LA2140 VERT DATUM - N/A
LA2140
LA2140 POSITION - 40 03 43.12581(N) 085 42 34.60419(W) ADJUSTED
LA2140 83 minus 27 - +00.15864 -00.09472 ADJUSTED
LA2140
LA2140 HEIGHT -

LA2140 **********

LA2140 HORZ ORDER - THIRD
LA2140
LA2140 The horizontal position was established by classical geodetic methods
LA2140 and adjusted by the National Geodetic Survey in July 1986.
LA2140

		North	East	Scale	Converg.	
LA2140 SPC IN E	-	534,400.187	96,336.149	0.99996683	-0 01 39.5	MT
LA2140 UTM 16	-	4,435,434.027	610,049.074	0.99974909	+0 49 50.2	MT

LA2140
LA2140 HISTORY - Year Condition Recov. By
LA2140 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2140
LA2140 STATION DESCRIPTION
LA2140
LA2140 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2140 ANDERSON, RADIO STATION WAFM MAST IS LOCATED IN ANDERSON.
LA2140
LA2140 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 109 AND 67
LA2140 IN ANDERSON, GO SOUTHWESTERLY ON STATE HIGHWAY 67 FOR 2.3 MILES
LA2140 TO THE STATION ON THE RIGHT.
LA2140
LA2140 STATION IS THE RED LIGHT ATOP THE 4 LEGGED, RED AND WHITE STEEL
LA2140 MAST. THE MAST HAS AN OVERALL HEIGHT OF 565 FEET AND THE TOP
LA2140 40 FEET IS A STEEL POLE.
LA2140

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LA2141 **********

LA2141 DESIGNATION - ANDERSON BEL TEL MW KSV 86
LA2141 PID - LA2141
LA2141 STATE/COUNTY- IN/MADISON
LA2141 USGS QUAD - ANDERSON SOUTH
LA2141
LA2141 HORZ DATUM - NAD 83
LA2141 VERT DATUM - N/A
LA2141
LA2141 POSITION - 40 05 36.90605(N) 085 42 55.20913(W) ADJUSTED
LA2141 83 minus 27 - +00.15663 -00.09487 ADJUSTED
LA2141
LA2141 HEIGHT -

LA2141 **********

LA2141 HORZ ORDER - THIRD
LA2141
LA2141 The horizontal position was established by classical geodetic methods
LA2141 and adjusted by the National Geodetic Survey in July 1986.
LA2141

		North	East	Scale	Converg.	
LA2141 SPC IN E	-	537,909.687	95,849.767	0.99996688	-0 01 52.8	MT
LA2141 UTM 16	-	4,438,935.081	609,510.280	0.99974763	+0 49 38.8	MT

LA2141
LA2141 HISTORY - Year Condition Recov. By
LA2141 HISTORY - 1970 STATION MONUMENTED NATIONAL GEODETIC SURVEY
LA2141
LA2141 STATION DESCRIPTION
LA2141
LA2141 DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
LA2141 ANDERSON, INDIANA BELL TELEPHONE COMPANY MICROWAVE KSV 86 IS
LA2141 LOCATED IN ANDERSON, AT 23RD STREET AND RAIBLE STREET.
LA2141
LA2141 STATION IS THE RED LIGHT ATOP A SMALL POLE ON THE TOP CENTER OF
LA2141 A LARGE 4 LEGGED, RED AND WHITE STEEL TOWER. THE TOWER HAS AN
LA2141 OVERALL HEIGHT OF 333 FEET AND HAS 2 OCTAGON SHAPED REFLECTORS
LA2141 ON TOP.
LA2141

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LA2142 **********

LA2142 DESIGNATION - ALEXANDRIA PAPER CO TANK
LA2142 PID - LA2142
LA2142 STATE/COUNTY- IN/MADISON
LA2142 USGS QUAD - ANDERSON NORTH
LA2142
LA2142 HORZ DATUM - NAD 83
LA2142 VERT DATUM - N/A
LA2142
LA2142 POSITION - 40 14 48.57224(N) 085 40 07.96063(W) ADJUSTED
LA2142 83 minus 27 - +00.14224 -00.08937 ADJUSTED
LA2142
LA2142 HEIGHT -

LA2142 **********

LA2142 HORZ ORDER - THIRD
LA2142
LA2142 The horizontal position was established by classical geodetic methods
LA2142 and adjusted by the National Geodetic Survey in July 1986.
LA2142

		North	East	Scale	Converg.	
LA2142 SPC IN E	-	554,923.504	99,811.858	0.99996667	-0 00 05.1	MT
LA2142 UTM 16	-	4,456,002.805	613,215.717	0.99975779	+0 51 36.4	MT

LA2142
LA2142 THE LANDMARK IS A TANK
LA2142

LA2142 HISTORY	-	Year Condition	Recov. By
LA2142 HISTORY	-	1934 STATION MONUMENTED	COAST AND GEODETIC SURVEY

LA2142
LA2142 STATION DESCRIPTION
LA2142
LA2142 DESCRIBED BY COAST AND GEODETIC SURVEY 1934
LA2142 NO TEXT AVAILABLE.

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LA2143 **********

LA2143 DESIGNATION - ELVIN
LA2143 PID - LA2143
LA2143 STATE/COUNTY- IN/MADISON
LA2143 USGS QUAD - ANDERSON NORTH
LA2143
LA2143 HORZ DATUM - NAD 83
LA2143 VERT DATUM - NGVD 29
LA2143
LA2143 POSITION - 40 13 10.41978(N) 085 40 00.10988(W) ADJUSTED
LA2143 83 minus 27 - +00.14678 -00.09012 ADJUSTED
LA2143
LA2143 HEIGHT - 270.7 (meters) 888. (feet) VERT ANGLE
LA2143 88 minus 29 - -0.1 VERTCON

LA2143 **********

LA2143 LAPLACE CORR- 1.79 DEFLEC93
LA2143 GEOID HEIGHT- -34.08 GEOID93
LA2143
LA2143 HORZ ORDER - FIRST
LA2143
LA2143 The horizontal position was established by classical geodetic methods
LA2143 and adjusted by the National Geodetic Survey in July 1986.
LA2143
LA2143 The orthometric height was determined by vertical angle observations.
LA2143
LA2143 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2143
LA2143 The geoid height was determined by GEOID93.
LA2143

		North	East	Scale	Converg.	
LA2143 SPC IN E	-	551,896.168	99,997.402	0.99996667	-0 00 00.1	MT
LA2143 UTM 16	-	4,452,979.232	613,446.699	0.99975843	+0 51 39.7	MT

LA2143

		Primary Azimuth Mark	Grid Az
LA2143 SPC IN E	-	ELVIN AZ MK	026 22 11.6
LA2143 UTM 16	-	ELVIN AZ MK	025 30 31.8

LA2143

	Pid	Reference Object	Distance	Geod. AZ
LA2143				dddmmss.s
LA2143		ELVIN RM 1	46.781 METERS	01853
LA2143		ELVIN AZ MK		0262211.5
LA2143		ELVIN RM 2	40.904 METERS	26428
LA2143	LA2114	ALEXANDRIA ALLADIN INDUST TANK	APPROX. 5.0 KM	3410925.1
LA2143	LA2113	ALEXANDRIA MUNICIPAL STANDPIPE	APPROX. 4.2 KM	3501258.0
LA2143	LA2142	ALEXANDRIA PAPER CO TANK	APPROX. 3.0 KM	3562933.8

LA2143

		Year	Condition	Recov. By
LA2143	HISTORY	- 1934	STATION MONUMENTED	COAST AND GEODETIC SURVEY
LA2143	HISTORY	- 1935	GOOD	COAST AND GEODETIC SURVEY
LA2143	HISTORY	- 1938	SEE DESCRIPTIVE TEXT	INDIANA HIGHWAY DEPARTMENT
LA2143	HISTORY	- 1948	GOOD	COAST AND GEODETIC SURVEY
LA2143	HISTORY	- 1980	GOOD	NATIONAL GEODETIC SURVEY

LA2143

STATION DESCRIPTION

LA2143

LA2143 DESCRIBED BY COAST AND GEODETIC SURVEY 1934 (GLA)
LA2143 ABOUT 3.5 MILES SOUTH OF ALEXANDRIA, 400 FEET WEST OF STATE HIGHWAY

LA2143 9, IN THE SOUTHWEST CORNER
LA2143 OF A SMALL ORCHARD OWNED BY JAMES ELVIN, 30 FEET
LA2143 NORTH OF THE CENTER LINE OF AN
LA2143 EAST-WEST GRAVEL ROAD, 17 FEET EAST
LA2143 OF THE WEST ORCHARD FENCE, AND IS SET FLUSH.
LA2143
LA2143 TO REACH FROM THE SOUTH CITY LIMITS OF ALEXANDRIA, GO SOUTH
LA2143 ON STATE HIGHWAY 9
LA2143 FOR 3.3 MILES, TURN WEST ON A GRAVEL CROSS ROAD
LA2143 AND GO 400 FEET TO THE STATION.
LA2143
LA2143 SURFACE, UNDERGROUND, REFERENCE AND AZIMUTH MARKS ARE STANDARD
LA2143 BRONZE DISKS SET IN CONCRETE.
LA2143
LA2143 REFERENCE MARK NO. 1 IS NORTH-NORTHEAST OF THE STATION, IN
LA2143 THE EAST ORCHARD
LA2143 FENCE, 242.04 FEET NORTHEAST OF REFERENCE MARK
LA2143 NO. 2, AND PROJECTS 6 INCHES.
LA2143 REFERENCE MARK NO. 2 IS WEST OF STATION,
LA2143 IN THE NORTH RIGHT-OF-WAY FENCE OF THE GRAVEL
LA2143 ROAD, AND PROJECTS 6 INCHES.
LA2143
LA2143 AZIMUTH MARK IS NORTH-NORTHEAST OF THE STATION, IN THE SOUTH
LA2143 FENCE OF A SMALL
LA2143 GRAVEYARD, 45 FEET EAST OF THE CENTER LINE OF
LA2143 STATE HIGHWAY 9, AND PROJECTS 7 INCHES.
LA2143
LA2143 A 90-FOOT TOWER WILL SEE ALL LINES EXCEPT TO GASTON, WHICH
LA2143 NEEDS A 103-FOOT TOWER.
LA2143
LA2143
LA2143 STATION RECOVERY (1935)
LA2143
LA2143 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1935 (JSB)
LA2143 RECOVERED IN GOOD CONDITION, AS DESCRIBED BY G.L.A., 1934. REACHED
LA2143 AS DESCRIBED.
LA2143
LA2143
LA2143 STATION RECOVERY (1938)
LA2143
LA2143 RECOVERY NOTE BY INDIANA HIGHWAY DEPARTMENT 1938 (CFM)
LA2143 REFERENCE MARK NO. 2 IS ON ROAD CONSTRUCTION JOB, IN THE
LA2143 CONSTRUCTION LIMITS.
LA2143
LA2143 PERMISSION GRANTED TO REMOVE MARK NOVEMBER 15, 1938.
LA2143
LA2143 REFERENCE MARK DISK, STAMPED ELVIN NO 2, 1934 RECEIVED
LA2143 11/21/38.
LA2143
LA2143
LA2143 STATION RECOVERY (1948)
LA2143
LA2143 RECOVERY NOTE BY COAST AND GEODETIC SURVEY 1948 (JMN)
LA2143 RECOVERED. THE SURFACE MARK WAS DESTROYED BY ROAD CONSTRUCTION BUT
LA2143 THE SUBSURFACE MARK IS STILL IN PLACE.
LA2143
LA2143 R.M. 1 IS 140.5 FEET N OF E-W FENCE, 70.4 FEET E OF W ORCHARD
LA2143 FENCE, AND
LA2143 PROJECTS 12 INCHES.
LA2143

LA2143 R.M. 2 IS DESTROYED.
LA2143
LA2143
LA2143 STATION RECOVERY (1980)
LA2143
LA2143 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1980 (CLN)
LA2143 ONLY THE UNDERGROUND MARK WAS LOCATED. THE SURFACE MARK BEING
LA2143 DESTROYED BY ROAD IMPROVEMENT. THE 1970 DESCRIPTION IS COMPLETE AND
LA2143 ACCURATE TO RECOVER THE MARK.
LA2143

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LA2144 **********

LA2144 DESIGNATION - ELVIN 2
LA2144 PID - LA2144
LA2144 STATE/COUNTY- IN/MADISON
LA2144 USGS QUAD - ANDERSON NORTH
LA2144
LA2144 HORZ DATUM - NAD 83
LA2144 VERT DATUM - NGVD 29
LA2144
LA2144 POSITION - 40 13 12.63032(N) 085 40 00.00247(W) ADJUSTED
LA2144 83 minus 27 - +00.14668 -00.09026 ADJUSTED
LA2144
LA2144 HEIGHT - 271.5 (meters) 891. (feet) VERT ANGLE
LA2144 88 minus 29 - -0.1 VERTCON

LA2144 **********

LA2144 LAPLACE CORR- 1.79 DEFLEC93
LA2144 GEOID HEIGHT- -34.08 GEOID93
LA2144
LA2144 HORZ ORDER - FIRST
LA2144
LA2144 The horizontal position was established by classical geodetic methods
LA2144 and adjusted by the National Geodetic Survey in July 1986.
LA2144
LA2144 The orthometric height was determined by vertical angle observations.
LA2144
LA2144 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2144
LA2144 The geoid height was determined by GEOID93.
LA2144

		North	East	Scale	Converg.	
SPC IN E	-	551,964.348	99,999.942	0.99996667	-0 00 00.0	MT
UTM 16	-	4,453,047.428	613,448.213	0.99975844	+0 51 39.8	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	ELVIN AZ MK	030 33 07.7
UTM 16	-	ELVIN AZ MK	029 41 27.9

Pid	Reference Object	Distance	Geod. AZ
			dddmmss.s
	ELVIN AZ MK		0303307.7
	ELVIN 2 RM 3	37.148 METERS	09636
LA2143	ELVIN	68.229 METERS	18208
LA2145	ELVIN 2 RM A 1970	26.440 METERS	34804

		Year	Condition	Recov. By
HISTORY	-	1970	STATION MONUMENTED	NATIONAL GEODETIC SURVEY
HISTORY	-	1980	GOOD	NATIONAL GEODETIC SURVEY

STATION DESCRIPTION

DESCRIBED BY NATIONAL GEODETIC SURVEY 1970 (JLC)
THE STATION IS LOCATED IN THE SOUTHWEST CORNER OF SECTION 31,
T. 21 N., R. 8 E. AND ON PROPERTY OF MR. WILLIAM BLAIR OF
1002 GARNET DRIVE, ANDERSON, INDIANA. IT IS ABOUT 6 MILES
EAST OF FRANKTON AND 3 MILES SOUTH OF ALEXANDRIA.

TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND

LA2144 9 IN THE NORTHEAST EDGE OF ALEXANDRIA, GO SOUTH ON STATE
LA2144 HIGHWAY 9 FOR 3.7 MILES TO A SMALL GRAVEYARD ON THE LEFT AND THE
LA2144 AZIMUTH MARK. CONTINUE SOUTH ON STATE HIGHWAY 9 FOR 0.3 MILE
LA2144 TO A CROSSROAD. TURN RIGHT AND GO WEST ON STATE HIGHWAY 128
LA2144 FOR 0.1 MILE TO THE ENTRANCE TO THE HOLLAND MOTOR EXPRESS
LA2144 INCORPORATED ON THE RIGHT. TURN RIGHT AND GO NORTH ACROSS
LA2144 PAVED PARKING AREA FOR 0.05 MILE TO THE NORTHEAST CORNER OF
LA2144 THE PARKING AREA AND THE STATION.
LA2144
LA2144 THE STATION MARK IS A STANDARD DISK STAMPED ELVIN 2 1970, SET
LA2144 IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT FLUSH
LA2144 WITH THE GROUND. IT IS 87 FEET NORTH-NORTHWEST OF THE
LA2144 NORTHWEST CORNER OF A HOUSE, 40 FEET EAST-SOUTHEAST OF FLOOD
LA2144 LAMP POLE NUMBER MA 46 267, 40 FEET EAST OF THE EAST EDGE OF
LA2144 OF THE PARKING AREA AND IN THE NORTH EDGE OF A LAWN.
LA2144
LA2144 REFERENCE MARK 3 IS A STANDARD DISK STAMPED ELVIN 2 NO 3 1970
LA2144 SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE MONUMENT WHICH
LA2144 PROJECTS 2 INCHES ABOVE THE GROUND. IT IS 103 FEET NORTHEAST
LA2144 OF THE NORTHEAST CORNER OF THE HOUSE, 19 FEET NORTHWEST OF A
LA2144 TWIN TRUNKED PLUM TREE AND IN THE SOUTH EDGE OF A CULTIVATED
LA2144 FIELD.
LA2144
LA2144 ELVIN 2 RM A IS A STANDARD STATION MARK DISK STAMPED ELVIN 2
LA2144 RM A 1970, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE
LA2144 MONUMENT 16 INCHES BELOW THE GROUND SURFACE. IT IS 131 FEET
LA2144 EAST OF FLOOD LAMP POLE NUMBER MA 46-268 AND 72.5 FEET
LA2144 NORTH-NORTHEAST OF THE FLOOD LAMP POLE.
LA2144
LA2144 ELVIN 1934 IS A STANDARD STATION MARK DISK STAMPED ELVIN 1934,
LA2144 A BLOCK OF CONCRETE ABOUT 6 INCHES BELOW THE GROUND
LA2144 SURFACE. (NOTE--THIS IS THE UNDERGROUND MARK FOR TRIANGULATION
LA2144 STATION ELVIN 1934.) IT IS 108 FEET SOUTH-SOUTHWEST OF THE
LA2144 SOUTHWEST CORNER OF THE HOUSE, 96.6 FEET WEST OF A TELEPHONE
LA2144 POLE, 29.5 FEET NORTH OF THE CENTER OF STATE HIGHWAY 128 AND
LA2144 19.4 FEET EAST-SOUTHEAST OF A RIGHT-OF-WAY MARKER.
LA2144
LA2144 THE AZIMUTH MARK IS A STANDARD REFERENCE DISK STAMPED ELVIN
LA2144 1934 AZIMUTH, SET IN THE TOP OF A 12-INCH CYLINDRICAL CONCRETE
LA2144 MONUMENT WHICH PROJECTS 1 FOOT ABOVE THE GROUND. IT IS 22 FEET
LA2144 EAST OF A POWER LINE POLE, 20 FEET EAST OF A FENCE CORNER AT
LA2144 THE SOUTHWEST CORNER OF THE GRAVEYARD AND 1 FOOT SOUTH OF AN
LA2144 EAST-WEST WIRE FENCE.
LA2144
LA2144 HEIGHT OF LIGHT ABOVE STATION MARK 34.5 METERS.
LA2144
LA2144
LA2144 STATION RECOVERY (1980)
LA2144
LA2144 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1980 (CLN)
LA2144 STATION SURFACE MARK AND RM 3 WERE FOUND OUT OF THE GROUND. RM A
LA2144 WAS NOT FOUND. AFTER A LONG SEARCH THE STATION UNDERGROUND MARK WAS
LA2144 FOUND. THE AZIMUTH MARK WAS FOUND IN GOOD CONDITION. ELVIN 1934
LA2144 UNDERGROUND MARK FOUND IN GOOD CONDITION ALTHOUGH IT WAS NOT VISIBLE
LA2144 AT GROUND LEVEL A LARGE BUSH BLOCKED THE LINE OF SIGHT. THE DIRECTION
LA2144 ALEXANDRIA MUN WATER TANK TO THE AZIMUTH MARK CHECKED. REFERENCE
LA2144 MARKS 4 AND 5 WERE ESTABLISHED AT THIS TIME. A NEW STATION SURFACE
LA2144 MARK WAS SET AT THIS TIME HOLDING THE PLUMB POINT OF THE UNDERGROUND
LA2144 MARK.
LA2144

LA2144 TO REACH THE STATION FROM THE INTERSECTION OF STATE HIGHWAYS 9 AND 28
LA2144 AT THE N EDGE OF ALEXANDRIA, GO S ON HIGHWAY 9 FOR 3.2 MILES TO THE
LA2144 INTERSECTION OF STATE HIGHWAY 128. TURN RIGHT, GO W ON HIGHWAY 128
LA2144 FOR 0.05 MILE TO ENTRANCE TO THE HOLLAND TRUCKING FIRM. TURN RIGHT
LA2144 AND GO N ON PARKING LOT TO THE NE EDGE OF PAVEMENT ABOUT 300 FT AND
LA2144 STATION AS DESCRIBED.
LA2144
LA2144 STATION IS ABOUT 3 MILES S OF ALEXANDRIA, NEAR THE NE EDGE OF THE
LA2144 HOLLAND TRUCKING COMPANY. IT IS IN A NEWLY COMMERCIAL ZONING AREA.
LA2144
LA2144 STATION MARK IS A STANDARD DISK, STAMPED---ELVIN 2 1970 1980---. IT
LA2144 IS 102 FT NW OF THE NE CORNER OF HOUSE, 87 FT NNW OF THE NW CORNER
LA2144 OF THE HOUSE, 40 FT E OF THE E EDGE OF PAVED PARKING LOT, 40 FT ESE
LA2144 OF POWER LINE POLE MA 46 267 WITH A FLOODLIGHT ON TOP, 1 FT E OF
LA2144 A METAL WITNESS POST AND 28 FT N OF A METAL WITNESS POST. THE MARK
LA2144 IS FLUSH.
LA2144
LA2144 REFERENCE MARK 4 IS A 3 FOOT PRECAST ALUMINUM STANDARD MARK,
LA2144 STAMPED---ELVIN 2 1970 NO 4 1980---. IT IS 59 FT NNW OF NW CORNER
LA2144 OF HOUSE, 41 FT E OF E EDGE OF PARKING LOT AREA AND 1 FT E OF A
LA2144 METAL WITNESS POST. THE MARK PROJECTS 4 INCHES.
LA2144
LA2144 REFERENCE MARK 5 IS A STANDARD DISK, STAMPED---ELVIN 2 1970 NO 5
LA2144 1980---. IT IS 37 FT NW OF A METAL WITNESS POST, 6 FT E OF THE
LA2144 E EDGE OF PAVED PARKING LOT AND 1 FT ESE OF POWER LINE POLE NUMBER
LA2144 MA 46 267 WITH A FLOODLIGHT ATOP. THE MARK IS FLUSH.
LA2144
LA2144 AZIMUTH MARK IS A STANDARD REFERENCE MARK DISK, STAMPED---ELVIN 1934
LA2144 AZIMUTH---. IT IS LOCATED NEAR THE SW CORNER OF A CEMETERY, 22.5 FT
LA2144 E OF POWER LINE POLE NUMBER 46 158, 20.5 FT E OF A CONCRETE RIGHT OF
LA2144 WAY MARKER, 4 FT SW OF AN 18 INCH WILD CHERRY TREE AND 0.5 FT S OF THE
LA2144 S CEMETERY FENCE LINE. THE MARK PROJECTS 1 FOOT.
LA2144
LA2144 TO REACH THE AZIMUTH MARK FROM THE INTERSECTION OF STATE HIGHWAYS 9
LA2144 AND 128, GO N ON HIGHWAY 9 FOR 0.2 MILE TO CEMETERY ON RIGHT AND MARK
LA2144 AS DESCRIBED.
LA2144
LA2144 NOTE. THE STATION IS ON PROPERTY OF A MR WILLIAM BLAIR. MR BLAIR
LA2144 STATED THAT SOMETIME IN THE FUTURE THE AREA WHERE STATION IS LOCATED
LA2144 COULD BE COMMERCIAL BUILDINGS AS THE COMPLETE AREA IS NOW ZONED FOR
LA2144 COMMERCIAL BUILDINGS. MR BLAIR CAN BE CONTACTED AT ANDERSON. NO
LA2144 PHONE NUMBER OR ADDRESS AT THIS WRITING.
LA2144

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

JZ2376 ***
JZ2376 DESIGNATION - O 4
JZ2376 PID   - JZ2376
JZ2376 STATE/COUNTY- IN/MADISON
JZ2376 USGS QUAD   - INGALLS
JZ2376
JZ2376 HORZ DATUM - NAD 83
JZ2376 VERT DATUM - NAVD 88
JZ2376
JZ2376 POSITION   - 39 58 47.06822(N)   085 45 34.76671(W)   ADJUSTED
JZ2376 83 minus 27 -   +00.14897   -00.08084   NADCON
JZ2376
JZ2376 HEIGHT   -   264.553 (meters)   867.95   (feet) ADJUST
JZ2376 88 minus 29 -   -0.132   ADJ UNCHK
JZ2376 ***
JZ2376 LAPLACE CORR-   0.05   DEFLEC93
JZ2376 GEOID HEIGHT-   -34.03   GEOID93
JZ2376 MODELED GRAV-   980,066.5   NAVD88
JZ2376
JZ2376 HORZ ORDER - THIRD
JZ2376 VERT ORDER - FIRST   CLASS 2
JZ2376
JZ2376 The horizontal coordinates were established by GPS observations
JZ2376 and adjusted by the National Geodetic Survey in February 1989.
JZ2376
JZ2376 The orthometric height was determined by differential leveling
JZ2376 and adjusted by the National Geodetic Survey in June 1991.
JZ2376
JZ2376 The Laplace correction was computed from DEFLEC93 derived deflections.
JZ2376
JZ2376 The geoid height was determined by GEOID93.
JZ2376
JZ2376 The modeled gravity was interpolated from observed gravity values.
JZ2376
JZ2376   North   East   Scale   Converg.
JZ2376 SPC IN E   -   525,272.426   92,057.079 0.99996744   -0 03 35.1 MT
JZ2376 UTM 16   - 4,426,245.304   605,908.013 0.99973808   +0 47 49.3 MT
JZ2376
JZ2376 STATION MARK IS A BENCH MARK DISK
JZ2376 WITH SETTING: SET IN A LIGHT STRUCTURE
JZ2376 THE MARK IS STAMPED: O 4 ELEV 868.437 FT
JZ2376 STABILITY: MARK OF QUESTIONABLE OR UNKNOWN STABILITY
JZ2376 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
JZ2376 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
JZ2376
JZ2376 HISTORY   - Year Condition   Recov. By
JZ2376 HISTORY   - UNK STATION MONUMENTED   NATIONAL GEODETIC SURVEY
JZ2376 HISTORY   - 1947 GOOD   NATIONAL GEODETIC SURVEY
JZ2376 HISTORY   - 1988 GOOD   NATIONAL GEODETIC SURVEY
JZ2376
JZ2376   STATION DESCRIPTION
JZ2376
JZ2376 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
JZ2376 ABOUT 2.1 MILES SOUTHWEST ALONG THE NEW YORK CENTRAL RAILROAD
JZ2376 FROM THE STATION AT PENDLETON, SET IN THE TOP OF THE NORTH
JZ2376 CONCRETE COPING OF THE NORTH WING WALL OF A MASONRY STONE AND
JZ2376 CONCRETE CULVERT NO. 425, BETWEEN POLES NO. 257/31 AND 257/32,
JZ2376 23.5 FEET NORTHWEST OF THE NORTHWEST RAIL OF THE MAIN TRACK, 57
JZ2376 FEET NORTHEAST OF A SIDING SWITCH STAND AND ABOUT 2.5 FEET

JZ2376 BELOW THE TRACK.
JZ2376
JZ2376 STATION RECOVERY (1988)
JZ2376
JZ2376 RECOVERY NOTE BY NATIONAL GEODETIC SURVEY 1988
JZ2376 THE STATION IS LOCATED ABOUT 35.4 KM (22.00 MI) WEST OF NEW CASTLE,
JZ2376 8.0 KM (4.95 MI) SOUTH OF INTERSTATE HIGHWAY 69, 3.4 KM (2.10 MI)
JZ2376 SOUTHWEST OF PENDLETON AND ON HIGHWAY RIGHT-OF-WAY.
JZ2376 OWNERSHIP--INDIANA DEPARTMENT OF HIGHWAYS, 100 NORTH SENATE AVENUE,
JZ2376 ROOM 1101, STATE OFFICE BUILDING, INDIANAPOLIS, IN 46204, PHONE
JZ2376 317-232-5533.
JZ2376 TO REACH THE STATION FROM THE STATE POLICE POST AT THE JUNCTION OF
JZ2376 STATE HIGHWAYS 9 AND 67 IN PENDLETON, GO SOUTHWEST ON STATE HIGHWAY
JZ2376 67 AND U.S. HIGHWAY 36 FOR 0.72 KM (0.45 MI) TO A LARGE STONE CULVERT
JZ2376 ON THE RIGHT AND THE STATION. TO GET CLOSER TO STATION, CONTINUE
JZ2376 SOUTHWEST FOR 1.13 KM (0.70 MI) TO A CROSSROAD. TURN RIGHT, CROSSING
JZ2376 OVER RAILROAD TRACKS, FOR 0.08 KM (0.05 MI) TO A GRAVEL ROAD RIGHT.
JZ2376 TURN RIGHT AND GO NORTHEAST ALONG THE NORTH SIDE OF TRACKS FOR 1.13
JZ2376 KM (0.70 MI) TO MARK ON THE RIGHT ABOUT 15 FEET HIGHER THAN ROADWAY.
JZ2376 THE STATION IS A STANDARD CGS BENCH MARK DISK STAMPED---0 4 ELEV
JZ2376 868.437 FT---, SET IN A DRILL IN THE TOP OF CULVERT. LOCATED 16.8 M
JZ2376 (55.1 FT) SLOPE DISTANCE, FROM CENTER OF GRAVEL ROAD, 6.8 M (22.3 FT)
JZ2376 NORTH FROM NORTH RAIL AND 0.3 M (1.0 FT) WEST FROM EAST END OF
JZ2376 CULVERT.
JZ2376 GPS SURVEY, FAA AIRPORTS, INDIANA.
JZ2376 DESCRIBED BY D.A. BOWLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2440 **********

LA2440 DESIGNATION - ALEPORT
LA2440 PID - LA2440
LA2440 STATE/COUNTY- IN/MADISON
LA2440 USGS QUAD - ANDERSON NORTH
LA2440
LA2440 HORZ DATUM - NAD 83
LA2440 VERT DATUM - NGVD 29
LA2440
LA2440 POSITION - 40 13 57.61422(N) 085 38 23.76738(W) ADJUSTED
LA2440 83 minus 27 - +00.14821 -00.08990 NADCON
LA2440
LA2440 HEIGHT - 272.9 (meters) 895. (feet) GPS OBS
LA2440 88 minus 29 - -0.2 VERTCON

LA2440 **********

LA2440 LAPLACE CORR- 1.80 DEFLEC93
LA2440 GEOID HEIGHT- -34.06 GEOID93
LA2440
LA2440 HORZ ORDER - THIRD
LA2440
LA2440 The horizontal coordinates were established by GPS observations
LA2440 and adjusted by the National Geodetic Survey in February 1989.
LA2440
LA2440 The orthometric height was determined by GPS observations.
LA2440
LA2440 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2440
LA2440 The geoid height was determined by GEOID93.
LA2440

		North	East	Scale	Converg.	
SPC IN E	-	553,352.135	102,274.845	0.99996673	+0 01 02.2	MT
UTM 16	-	4,454,468.958	615,701.539	0.99976479	+0 52 42.8	MT

		Primary Azimuth Mark	Grid Az
SPC IN E	-	ALEPORT AZ MK	094 56 07.0
UTM 16	-	ALEPORT AZ MK	094 04 26.4

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2441	ALEPORT AZ MK	APPROX. 0.6 KM	0945709.2

LA2440 STATION MARK IS A HORIZONTAL CONTROL DISK
LA2440 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA2440 THE MARK IS STAMPED: ALEPORT 1986
LA2440 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA2440 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LA2440 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
LA2440

	Year	Condition	Recov. By
HISTORY	1988	STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2440

STATION DESCRIPTION

LA2440
LA2440 DESCRIBED 1988
LA2440 THE STATION IS LOCATED ABOUT 16.1 KM (10.00 MI) NORTHWEST OF MUNCIE,
LA2440 6.4 KM (4.00 MI) SOUTHEAST OF ALEXANDRIA, 3.2 KM (2.00 MI) WEST OF
LA2440 INTERSTATE HIGHWAY 69 AND AT THE ALEXANDRIA AIRPORT.

LA2440 OWNERSHIP--KNOTTS FLYING SERVICE, RT 4, BOX 148, ALEXANDRIA, IN
LA2440 46001, PHONE 317-724-3848. AIRPORT MANAGER IS DUANE KNOTTS.
LA2440 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND 9
LA2440 JUST NORTH OF ALEXANDRIA, GO SOUTH ON STATE HIGHWAY 9 FOR 5.3 KM
LA2440 (3.30 MI) TO A CROSSROAD. TURN LEFT AND GO EAST ON COUNTY ROAD 900N
LA2440 FOR 2.3 KM (1.45 MI) TO AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN
LA2440 RIGHT AND GO SOUTH FOR 0.1 KM (0.05 MI) TO AIRPORT OFFICE. FROM
LA2440 OFFICE GO SOUTHERLY ACROSS AIRPORT APRON AND TAXIWAY FOR 0.1 KM
LA2440 (0.05 MI) TO ITS JUNCTION WITH RUNWAY. TURN LEFT AND GO EASTERLY
LA2440 ALONG THE RUNWAY FOR 0.1 KM (0.05 MI) TO A NORTH-SOUTH TAXIWAY AND
LA2440 THE STATION ON THE LEFT IN THE NORTHEAST QUADRANT OF THIS
LA2440 INTERSECTION.
LA2440 THE STATION IS A STANDARD NGS STATION MARK DISK STAMPED---ALEPORT
LA2440 1986---, SET IN THE TOP OF A 20 CM IN DIAMETER CONCRETE POST THAT IS
LA2440 FLUSH WITH THE GROUND. LOCATED 57.0 M (187.0 FT) SOUTH FROM THE EAST
LA2440 ONE OF TWO GAS PUMPS, 19.35 M (63.5 FT) EAST FROM CENTER OF TAXIWAY,
LA2440 15.1 M (49.5 FT) NORTH FROM CENTER OF RUNWAY AND 2.1 M (6.9 FT) NORTH
LA2440 FROM A RUNWAY LIGHT AND FIBERGLASS WITNESS POST.
LA2440 GPS SURVEY, FAA AIRPORTS, INDIANA.
LA2440 DESCRIBED BY D.A. BOWLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2441 **********

LA2441 DESIGNATION - ALEPORT AZ MK
LA2441 PID - LA2441
LA2441 STATE/COUNTY- IN/MADISON
LA2441 USGS QUAD - ANDERSON NORTH
LA2441
LA2441 HORZ DATUM - NAD 83
LA2441 VERT DATUM - NGVD 29
LA2441
LA2441 POSITION - 40 13 55.90959(N) 085 37 58.11287(W) ADJUSTED
LA2441 83 minus 27 - +00.14851 -00.09038 NADCON
LA2441
LA2441 HEIGHT - 269.9 (meters) 885. (feet) GPS OBS
LA2441 88 minus 29 - -0.2 VERTCON

LA2441 **********

LA2441 LAPLACE CORR- 1.76 DEFLEC93
LA2441 GEOID HEIGHT- -34.06 GEOID93
LA2441
LA2441 HORZ ORDER - THIRD
LA2441
LA2441 The horizontal coordinates were established by GPS observations
LA2441 and adjusted by the National Geodetic Survey in February 1989.
LA2441
LA2441 The orthometric height was determined by GPS observations.
LA2441
LA2441 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2441
LA2441 The geoid height was determined by GEOID93.
LA2441

	North	East	Scale	Converg.	
SPC IN E -	553,299.766	102,881.313	0.99996677	+0 01 18.7	MT
UTM 16 -	4,454,425.720	616,308.603	0.99976652	+0 52 59.3	MT

	Primary Azimuth Mark	Grid Az
SPC IN E -	ALEPORT	274 56 07.1
UTM 16 -	ALEPORT	274 04 26.5

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2440	ALEPORT	APPROX. 0.6 KM	2745725.8

LA2441
LA2441 STATION MARK IS AN AZIMUTH MARK DISK
LA2441 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA2441 THE MARK IS STAMPED: ALEPORT 1986
LA2441 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA2441 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LA2441 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
LA2441

	Year	Condition	Recov. By
HISTORY -	1988	STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2441
LA2441 STATION DESCRIPTION
LA2441
LA2441 DESCRIBED 1988
LA2441 THE STATION IS LOCATED ABOUT 16.1 KM (10.00 MI) NORTHWEST OF MUNCIE,
LA2441 6.4 KM (4.00 MI) SOUTHEAST OF ALEXANDRIA, 3.2 KM (2.00 MI) WEST OF
LA2441 INTERSTATE HIGHWAY 69 AND AT THE ALEXANDRIA AIRPORT.

LA2441 OWNERSHIP--KNOTTS FLYING SERVICE, RT 4, BOX 148, ALEXANDRIA, IN
LA2441 46001, PHONE 317-724-3848. AIRPORT MANAGER IS DUANE KNOTTS.
LA2441 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 28 AND 9
LA2441 JUST NORTH OF ALEXANDRIA, GO SOUTH ON STATE HIGHWAY 9 FOR 5.3 KM
LA2441 (3.30 MI) TO A CROSSROAD. TURN LEFT AND GO EAST ON COUNTY ROAD 900N
LA2441 FOR 2.3 KM (1.45 MI) TO AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN
LA2441 RIGHT AN GO SOUTH FOR 0.1 KM (0.05 MI) TO AIRPORT OFFICE. FROM
LA2441 OFFICE GO SOUTHERLY ACROSS AIRPORT APRON AND TAXIWAY FOR 0.1 KM
LA2441 (0.05 MI) TO ITS JUNCTION WITH RUNWAY. TURN LEFT AND GO EASTERLY
LA2441 ALONG THE RUNWAY FOR 0.7 KM (0.45 MI) TO ITS END AND THE MARK SET IN
LA2441 THE SOUTHEAST CORNER OF THE AIRPORT GROUNDS.
LA2441 THE STATION IS A STANDARD NGS AZIMUTH MARK DISK STAMPED---ALEPORT
LA2441 1986---, SET IN THE TOP OF A 20 CM IN DIAMETER CONCRETE POST THAT IS
LA2441 FLUSH WITH THE GROUND. LOCATED 19.0 M (62.3 FT) SOUTH FROM THE
LA2441 SOUTHEAST CORNER OF RUNWAY 27, 6.5 M (21.3 FT) WEST FROM THE CENTER
LA2441 OF COUNTY ROAD 200E, 2.1 M (6.9 FT) NORTH FROM A SQUARE CONCRETE
LA2441 CORNER POST AND 1.0 M (3.3 FT) WEST FROM A FIBERGLASS WITNESS POST.
LA2441 GPS SURVEY, FAA AIRPORTS, INDIANA.
LA2441 DESCRIBED BY D.A. BOWLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2448 **********

LA2448 DESIGNATION - ANDPORT
LA2448 PID - LA2448
LA2448 STATE/COUNTY- IN/MADISON
LA2448 USGS QUAD - MIDDLETOWN
LA2448
LA2448 HORZ DATUM - NAD 83
LA2448 VERT DATUM - NGVD 29
LA2448
LA2448 POSITION - 40 06 36.55223(N) 085 36 57.97057(W) ADJUSTED
LA2448 83 minus 27 - +00.15388 -00.08871 NADCON
LA2448
LA2448 HEIGHT - 271.0 (meters) 889. (feet) GPS OBS
LA2448 88 minus 29 - -0.1 VERTCON

LA2448 **********

LA2448 LAPLACE CORR- 1.45 DEFLEC93
LA2448 GEOID HEIGHT- -33.99 GEOID93
LA2448
LA2448 HORZ ORDER - THIRD
LA2448
LA2448 The horizontal coordinates were established by GPS observations
LA2448 and adjusted by the National Geodetic Survey in February 1989.
LA2448
LA2448 The orthometric height was determined by GPS observations.
LA2448
LA2448 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2448
LA2448 The geoid height was determined by GEOID93.
LA2448

		North	East	Scale	Converg.	
LA2448 SPC IN E	-	539,749.413	104,310.742	0.99996690	+0 01 57.3	MT
LA2448 UTM 16	-	4,440,901.031	617,940.976	0.99977124	+0 53 30.1	MT

LA2448

		Primary Azimuth Mark	Grid Az
LA2448 SPC IN E	-	ANDPORT AZ MK	296 14 32.2
LA2448 UTM 16	-	ANDPORT AZ MK	295 22 59.4

LA2448

Pid	Reference Object	Distance	Geod. AZ dddmmss.s
LA2449	ANDPORT AZ MK	APPROX. 0.6 KM	2961629.5

LA2448

LA2448 STATION MARK IS A HORIZONTAL CONTROL DISK
LA2448 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA2448 THE MARK IS STAMPED: ANDPORT 1986
LA2448 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA2448 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LA2448 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
LA2448

LA2448 HISTORY	- Year	Condition	Recov. By
LA2448 HISTORY	- 1988	STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2448

LA2448 STATION DESCRIPTION
LA2448
LA2448 DESCRIBED 1988
LA2448 THE STATION IS LOCATED ABOUT 20.9 KM (13.00 MI) SOUTHWEST OF MUNCIE,
LA2448 19.3 KM (12.00 MI) NORTH OF INTERSTATE HIGHWAY 70, 3.2 KM (2.00 MI)
LA2448 EAST OF ANDERSON AND AT THE ANDERSON MUNICIPAL AIRPORT.

LA2448 OWNERSHIP--CITY OF ANDERSON, CITY BUILDING, ANDERSON, IN 46015, PHONE
LA2448 317-644-1238. AIRPORT MANAGER IS STEVE CARLINGTON.
LA2448 TO REACH THE FROM THE JUNCTION OF STATE HIGHWAYS 9 AND 32 ON EAST
LA2448 SIDE OF ANDERSON, GO EAST ON STATE HIGHWAY 32 FOR 3.5 KM (2.15 MI) TO
LA2448 AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN RIGHT AND GO SOUTH FOR 0.3
LA2448 KM (0.20 MI) TO AIRPORT OFFICE ON THE LEFT AND A SIDE ROAD RIGHT.
LA2448 TURN RIGHT AND GO WESTERLY FOR 0.1 KM (0.05 MI) TO WEST SIDE OF A
LA2448 LARGE TAN HANGAR. TURN LEFT AND GO SOUTHERLY ACROSS AIRPORT APRON
LA2448 AND TAXIWAY FOR 0.1 KM (0.05 MI) TO THE STATION ON THE LEFT.
LA2448 THE STATION IS A STANDARD NGS STATION MARK DISK STAMPED---ANDPORT
LA2448 1986---, SET IN THE TOP OF A 20 CM IN DIAMETER CONCRETE POST THAT IS
LA2448 FLUSH WITH THE GROUND. LOCATED 15.12 M (49.6 FT) EAST FROM A BLUE
LA2448 RUNWAY LIGHT, 14.02 M (46.0 FT) WEST FROM A BLUE RUNWAY MARKER LIGHT,
LA2448 3.96 M (13.0 FT) SOUTH-SOUTHWEST FROM THE SOUTH EDGE OF TAXIWAY AND
LA2448 0.79 M (2.6 FT) SOUTH-SOUTHWEST FROM A BLUE RUNWAY MARKER LIGHT AND
LA2448 FIBERGLASS WITNESS POST.
LA2448 GPS SURVEY, FAA AIRPORTS, INDIANA.
LA2448 DESCRIBED BY D.A. BOWLING.

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA2449 **********

LA2449 DESIGNATION - ANDPORT AZ MK
LA2449 PID - LA2449
LA2449 STATE/COUNTY- IN/MADISON
LA2449 USGS QUAD - MIDDLETOWN
LA2449
LA2449 HORZ DATUM - NAD 83
LA2449 VERT DATUM - NGVD 29
LA2449
LA2449 POSITION - 40 06 45.08398(N) 085 37 20.48048(W) ADJUSTED
LA2449 83 minus 27 - +00.15345 -00.08845 NADCON
LA2449
LA2449 HEIGHT - 267.7 (meters) 878. (feet) GPS OBS
LA2449 88 minus 29 - -0.1 VERTCON

LA2449 **********

LA2449 LAPLACE CORR- 1.46 DEFLEC93
LA2449 GEOID HEIGHT- -33.99 GEOID93
LA2449
LA2449 HORZ ORDER - THIRD
LA2449
LA2449 The horizontal coordinates were established by GPS observations
LA2449 and adjusted by the National Geodetic Survey in February 1989.
LA2449
LA2449 The orthometric height was determined by GPS observations.
LA2449
LA2449 The Laplace correction was computed from DEFLEC93 derived deflections.
LA2449
LA2449 The geoid height was determined by GEOID93.
LA2449

		North	East	Scale	Converg.	
LA2449 SPC IN E	-	540,012.270	103,777.541	0.99996684	+0 01 42.8	MT
LA2449 UTM 16	-	4,441,155.813	617,403.999	0.99976968	+0 53 15.7	MT

LA2449

		Primary Azimuth Mark	Grid Az
LA2449 SPC IN E	-	ANDPORT	116 14 32.2
LA2449 UTM 16	-	ANDPORT	115 22 59.3

LA2449

Pid	Reference Object	Distance	Geod. AZ
			dddmmss.s
LA2448	ANDPORT	APPROX. 0.6 KM	1161615.0

LA2449
LA2449 STATION MARK IS AN AZIMUTH MARK DISK
LA2449 WITH SETTING: SET IN TOP OF CONCRETE MONUMENT (ROUND)
LA2449 THE MARK IS STAMPED: ANDPORT 1986
LA2449 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA2449 SATELLITE: THE SITE LOCATION WAS REPORTED AS SUITABLE FOR
LA2449 SATELLITE: SATELLITE OBSERVATIONS - June 06, 1988
LA2449

LA2449 HISTORY	- Year	Condition	Recov. By
LA2449 HISTORY	- 1988	STATION MONUMENTED	NATIONAL GEODETIC SURVEY

LA2449

LA2449 STATION DESCRIPTION
LA2449
LA2449 DESCRIBED 1988
LA2449 THE STATION IS LOCATED ABOUT 20.9 KM (13.00 MI) SOUTHWEST OF MUNCIE,
LA2449 19.3 KM (12.00 MI) NORTH OF INTERSTATE HIGHWAY 70, 3.2 KM (2.00 MI)
LA2449 EAST OF ANDERSON AND AT THE ANDERSON MUNICIPAL AIRPORT.

LA2449 OWNERSHIP--CITY OF ANDERSON, CITY BUILDING, ANDERSON, IN 46015, PHONE
LA2449 317-644-1238. AIRPORT MANAGER IS STEVE CARLINGTON.
LA2449 TO REACH THE STATION FROM THE JUNCTION OF STATE HIGHWAYS 9 AND 32 ON
LA2449 EAST SIDE OF ANDERSON, GO EAST ON STATE HIGHWAY 32 FOR 3.5 KM
LA2449 (2.15 MI) TO AIRPORT ENTRANCE ROAD ON THE RIGHT. TURN RIGHT AND GO
LA2449 SOUTH FOR 0.3 KM (0.20 MI) TO AIRPORT OFFICE ON THE LEFT AND A SIDE
LA2449 ROAD RIGHT. TURN RIGHT AND GO WESTERLY FOR 0.1 KM (0.05 MI) TO WEST
LA2449 SIDE OF A LARGE TAN HANGAR. TURN LEFT AND GO SOUTHERLY ACROSS
LA2449 AIRPORT APRON TO A TAXIWAY. TURN RIGHT AND GO WESTERLY ALONG TAXIWAY
LA2449 FOR 0.56 KM (0.35 MI) TO WHERE TAXIWAY CURVES AROUND TO THE SOUTH AND
LA2449 THE MARK ON THE RIGHT.
LA2449 THE STATION IS A STANDARD NGS AZIMUTH MARK DISK STAMPED---ANDPORT
LA2449 1986 SET IN THE TOP OF A 20 CM IN DIAMETER CONCRETE POST THAT IS
LA2449 FLUSH WITH THE GROUND. LOCATED 13.11 M (43.0 FT) SOUTH FROM THE EDGE
LA2449 OF A CUTBANK, 13.11 M (43.0 FT) NORTH FROM CENTER OF TAXIWAY, 4.27 M
LA2449 (14.0 FT) NORTH FROM NORTH EDGE OF TAXIWAY AND 1.22 M (4.0 FT) NORTH
LA2449 FROM A BLUE TAXIWAY MARKER LIGHT AND FIBERGLASS WITNESS POST.
LA2449 GPS SURVEY, FAA AIRPORTS, INDIANA.
LA2449 DESCRIBED BY D.A. BOWLING.

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation U 210 State Indiana County Clinton
Nearest town Kempton County Tipton
Distance and direction from nearest town About 4.9 miles northwest
Character of mark A bronze disk Stamping U 210 1946
Established by U.S.C.& G.S.
Detailed description About 0.15 mile east along the main street from the post office at Kempton, thence about 0.9 mile north along a black top road, thence about 2.4 miles west along a gravel road, thence about 0.85 mile north along a gravel road, about 0.15 mile south of the junction of a gravel road leading east, set in the top of the south end of the east head wall of a 12 foot concrete culvert over a creek, 8.5 feet east of and about 2 feet above the center line of the road.

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation V 210 State Indiana County Clinton
Nearest town Kempton County Tipton
Distance and direction from nearest town About 5.05 miles northwest
Character of mark A bronze disk Stamping V 210 1946
Established by U.S.C.& G.S.
Detailed description About 0.15 mile east along the main street from the post office at Kempton, thence about 0.9 mile north along a black top road, thence about 2.4 miles west, thence about 1.6 miles north along a gravel road, about 0.1 mile north of the intersection of an east-west gravel cross road, set in the top of the north end of the 50 foot west concrete head wall of a twin 18 foot arch corrugated culvert over a creek, 15 feet west of and about 1.5 feet above the center line of the road.

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation W 210 State Indiana County Clinton
Nearest town Kempton County Tipton
Distance and direction from nearest town About 5.9 miles northwest
Character of mark A bronze disk Stamping W 210 1946
Established by U.S.C.& G.S.
Detailed description About 0.15 mile east along the main street from the post office at Kempton, thence about 0.9 mile north along a black top road, thence about 2.4 miles west, thence about 2.45 miles north along a gravel road, about 0.45 mile north of a gravel cross road, about 300 feet south of the junction of a road leading east, set in the top of the southeast end of the southeast wing wall of a 15 foot concrete bridge, 11 feet east of and about 1 foot below the center line of the road.

Note: Mark may be reached from the post office at Forest, Clinton County by going about 3.2 miles east along a black top road thence about 2.6 miles south along a gravel road.

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation X 210 State Indiana County Clinton
Nearest town Forest County Clinton
Distance and direction from nearest town About 4.6 miles southeast
Character of mark A bronze disk Stamping X 210 1946
Established by U.S.C.& G.S.
Detailed description About 3.2 miles east along a black top road from the post office at Forest, thence about 1.4 miles south along a gravel road, about 0.5 mile south of the West Point Christian Church, 0.15 mile south of a gravel road leading west, set in the top of the east end of the northwest wing wall of a 30 foot concrete arch bridge over a creek, 10 feet west of and about 1.5 feet above the center line of the road.

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation Y 210 State Indiana County Clinton
Nearest town Forest County Clinton
Distance and direction from nearest town About 3.7 miles southeast
Character of mark A bronze disk Stamping Y 210 1946
Established by U.S.C.& G.S.
Detailed description About 3.2 miles east along a black top road from the post office at Forest, thence about 0.5 mile south along a gravel road, about 0.4 mile north of the West Point Christian Church, at the junction of a gravel road leading east, set in the top of the north end of the west concrete head wall of a 6 foot concrete box culvert, 18 feet north of the center line of the prolonged road east, 15 feet west of and about 1 foot above the center line of the north-south road.

Line A--Alexandria to 1 Mi. South of Boyleston.

This line follows State Highway 28.

852.77

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation W 185 State Indiana County Madison
Nearest town Alexandria County Madison
Distance and direction from nearest town About 1.05 miles west
Character of mark A bronze disk Stamping W 185 1946
Established by U.S.C.& G.S.
Detailed description About 1.05 miles west along State Highway 28 from the intersection of State Highway 9 at Alexandria, about 0.3 mile west of the entrance to the race track, about 0.2 mile east of a gravel road leading north and a dim road heading south, set in the top of the northwest end of the southeast concrete wing wall of a 40 foot concrete bridge over Mad Creek, 14 feet south of the center line of the highway, and about 0.5 foot above the bridge floor.

848.735

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation X 185 State Indiana County Madison
Nearest town Alexandria County Madison
Distance and direction from nearest town About 2.25 miles west
Character of mark A bronze disk Stamping X 185 1946
Established by U.S.C.& G.S.
Detailed description About 2.25 miles west along State Highway 28 from its intersection with State Highway 9 at Alexandria, about 0.2 mile west of a north-south cross road, set in the top of the north end of the east concrete abutment of a 60 foot concrete bridge over Lilly Creek, 14 feet north of the center line of the highway, 1 foot north of the north concrete bridge railing, and about 0.5 foot above the bridge floor.

872.66

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation Y 185 State Indiana County Madison
Nearest town Alexandria County Madison
Distance and direction from nearest town About 3.05 miles west
Character of mark A bronze disk Stamping Y 185 1946
Established by U.S.C.& G.S.
Detailed description About 3.05 miles west along State Highway 28 from its intersection with State Highway 9 in the northeast part of Alexandria, about 125 yards east of Walker's Marathon Service Station and General Store, 29 feet north of the center line of the highway, 24 feet east of the center line of a north-south gravel road, 6 feet east southeast of a fence corner post, 4 feet east of telephone pole No. 123, 3 feet southwest of a highway R.O.W. marker, about 1 foot below the intersection, and set in the top of a concrete post projecting 6 inches.

873.41

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation Z 185 State Indiana County Madison
Nearest town Elwood County Madison
Distance and direction from nearest town About 4.95 miles east
Character of mark A bronze disk Stamping Z 185 1946
Established by U.S.C.& G.S.
Detailed description About 4.95 miles east along State Highway 28 from the intersection of State Highway 13 at Elwood, about 0.5 mile east of Joe Sturbois General Store, at a north-south gravel road, 134 feet northeast and across the intersection from the northeast corner of a white farm house, 28 feet north of the center line of the highway, 34 feet east of the center line of the gravel road, 19 feet east of the east end of a 14 inch clay pipe culvert under the side road, 3.5 feet east of telephone pole No. 163, about 1foot below the intersection, and set in the top of a concrete post projecting 6 inches.

Note: Mark is about 4.1 miles west along State Highway 28 from its intersection with State Highway 9 at the northeast part of Alexandria.

871.83

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation K 206 State Indiana County Madison
Nearest town Elwood County Madison
Distance and direction from nearest town About 3.9 miles east
Character of mark A bronze disk Stamping K 206 1946
Established by U.S.C.& G.S.
Detailed description About 3.9 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, about 0.5 mile west of Joe Sturbois General Store, set in the southeast quarter of the intersection of a north-south road, set in the top of the east end of the south concrete head wall of a 14 inch clay tile pipe culvert, 75 feet east of the center line of the gravel road, 19 feet south of the center line of the highway, and about level with the intersection.

866.95

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation L 206 State Indiana County Madison
Nearest town Elwood County Madison
Distance and direction from nearest town About 2.85 miles east
Character of mark A bronze disk Stamping L 206 1946
Established by U.S.C.& G.S.
Detailed description About 2.85 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, about 1.25 miles east of the intersection of State Highway 37, set in the southwest quarter of a north-south gravel road, 190 feet southeast and across the highway from the southeast corner of a barn, 24 feet south of the center line of the highway, 47 feet west of the center line of the gravel road, 4 feet west of telephone pole No. 245, about 0.5 foot below the intersection, and set in the top of a concrete post projecting 5 inches.

868.15

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation M 206 State Indiana County Madison
Nearest town Elwood County Madison
Distance and direction from nearest town About 1.9 miles east
Character of mark A bronze disk Stamping M 206 1946
Established by U.S.C.& G.S.
Detailed description About 1.9 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, about 0.3 mile east of the intersection of State Highway 37, set vertically in the west face of the northwest corner of the Red Corner School Building, 1 foot south of the northwest corner and about 0.8 foot above the ground.

867.25

DESCRIPTION OF BENCH MARK WINDFALL AREA, IND.

Designation M 206 (I.H.C.) State Indiana County Madison
Nearest town Elwood County Madison
Distance and direction from nearest town About 1.6 miles east
Character of mark A State Highway Comm disk. Stamping M 206 1946
Established by Indiana Highway Commission
Detailed description About 1.6 miles east along State Highway 28 from its intersection with State Highway 13 at Elwood, at the intersection of State Highway 37, 155 feet west of the center line of highway 37, 105 feet southeast of the southeast corner of a white house (office for trailer camp & tourist court), 37 feet north of the center line of highway 28, 17.5 feet northeast of power pole MA 26 114, 16 feet northeast of a highway R.O.W. marker, about level with the intersection, and set in the top of a 6 inch iron pipe filled with cement projecting 10 inches.

869.20

DESCRIPTION OF BENCH MARK WINDFALL AREA

Designation P 206 State Indiana County Madison
Nearest town Elwood County Madison
Distance and direction from nearest town At Elwood
Character of mark A bronze disk Stamping P 206 1946
Established by U.S.C.& G.S.
Detailed description At Elwood, about 0.8 mile east along State Highway 28 from its intersection within Highway 13, set vertically in the east face of the concrete block foundation of the Wesleyan Methodist Church on the corner of East Main Street and 27th Street, 1 foot south of the northeast corner and about 2 feet above the ground.

865.36

DESCRIPTION OF BENCH MARK WINDFALL AREA

Designation Q 206 State Indiana County Madison
Nearest town Elwood County Madison
Distance and direction from nearest town At Elwood
Character of mark A bronze disk Stamping Q 206 1946
Established by U.S.C.& G.S.
Detailed description At Elwood, set vertically in the east face of the limestone masonry wall at the southeast corner of the Post Office building, 1 foot north of the southeast corner and about 3.8 feet above the sidewalk.

Chief of party Clarence Symns, Jr. Date Nov., 1946
Described by J.D.Cowart Checked by Diaz

National Geodetic Survey, Retrieval Date = AUGUST 15, 1993

LA1271 **********

LA1271 DESIGNATION - P 4
LA1271 PID - LA1271
LA1271 STATE/COUNTY- IN/MADISON
LA1271 USGS QUAD - ANDERSON SOUTH
LA1271
LA1271 HORZ DATUM - NAD 83
LA1271 VERT DATUM - NAVD 88
LA1271
LA1271 POSITION - 40 00 31. (N) 085 44 15. (W) SCALED
LA1271 83 minus 27 - +00. -00. NADCON
LA1271
LA1271 HEIGHT - 265.665 (meters) 871.60 (feet) ADJUST
LA1271 88 minus 29 - -0.133 ADJ UNCHK

LA1271 **********

LA1271 GEOID HEIGHT- -34.03 GEOID93
LA1271 MODELED GRAV- 980,065.4 NAVD88
LA1271
LA1271 VERT ORDER - FIRST CLASS 2
LA1271
LA1271 The horizontal coordinates were scaled from a topographic map and have
LA1271 an estimated accuracy of +/- 6 seconds.
LA1271
LA1271 The orthometric height was determined by differential leveling
LA1271 and adjusted by the National Geodetic Survey in June 1991.
LA1271
LA1271 The geoid height was determined by GEOID93.
LA1271
LA1271 The modeled gravity was interpolated from observed gravity values.
LA1271
LA1271 STATION MARK IS A CHISELED SQUARE
LA1271 WITH SETTING: SET IN A MASSIVE STRUCTURE
LA1271 STABILITY: PROBABLY HOLD POSITION/ELEVATION WELL
LA1271

LA1271 HISTORY	- Year	Condition	Recov. By
LA1271 HISTORY	- UNK	STATION MONUMENTED	NATIONAL GEODETIC SURVEY
LA1271 HISTORY	- 1947	GOOD	NATIONAL GEODETIC SURVEY
LA1271 HISTORY	- 1960	UNKNOWN - MARK NOT F	US GEOLOGICAL SURVEY

LA1271
LA1271 STATION DESCRIPTION
LA1271
LA1271 DESCRIBED BY NATIONAL GEODETIC SURVEY 1947
LA1271 ABOUT 0.6 MILE NORTHEAST ALONG THE NEW YORK CENTRAL RAILROAD
LA1271 FROM THE STATION AT PENDLETON, IN THE TOP OF THE NORTHEAST END
LA1271 OF THE NORTHWEST HEAD WALL OF THE BRIDGE OVER FALL CREEK, 7.3
LA1271 FEET NORTHWEST OF THE NORTHWEST RAIL, 2.5 FEET SOUTHWEST OF THE
LA1271 NORTHEAST END OF THE HEAD WALL AND ABOUT 1 FOOT BELOW THE TRACK.
LA1271 NOTE-- THIS MARK IS VERY INDEFINITE. THE LEVEL PARTY HIT THIS
LA1271 POINT AS IT SEEMED TO BE AT THE APPROXIMATE ORIGINAL DESCRIPTION
LA1271 AND ALTHOUGH IT CHECKED FAIRLY WELL IT IS POSSIBLE THAT
LA1271 ALMOST ANY POINT ON THE HEAD WALL WOULD HAVE CHECKED. THERE
LA1271 IS A FAINT OUTLINE OF A SQUARE BUT SHOULD BE USED WITH CAUTION.
LA1271
LA1271 STATION RECOVERY (1960)
LA1271
LA1271 RECOVERY NOTE BY US GEOLOGICAL SURVEY 1960
LA1271 MARK NOT FOUND.

4mi cl. of 1800

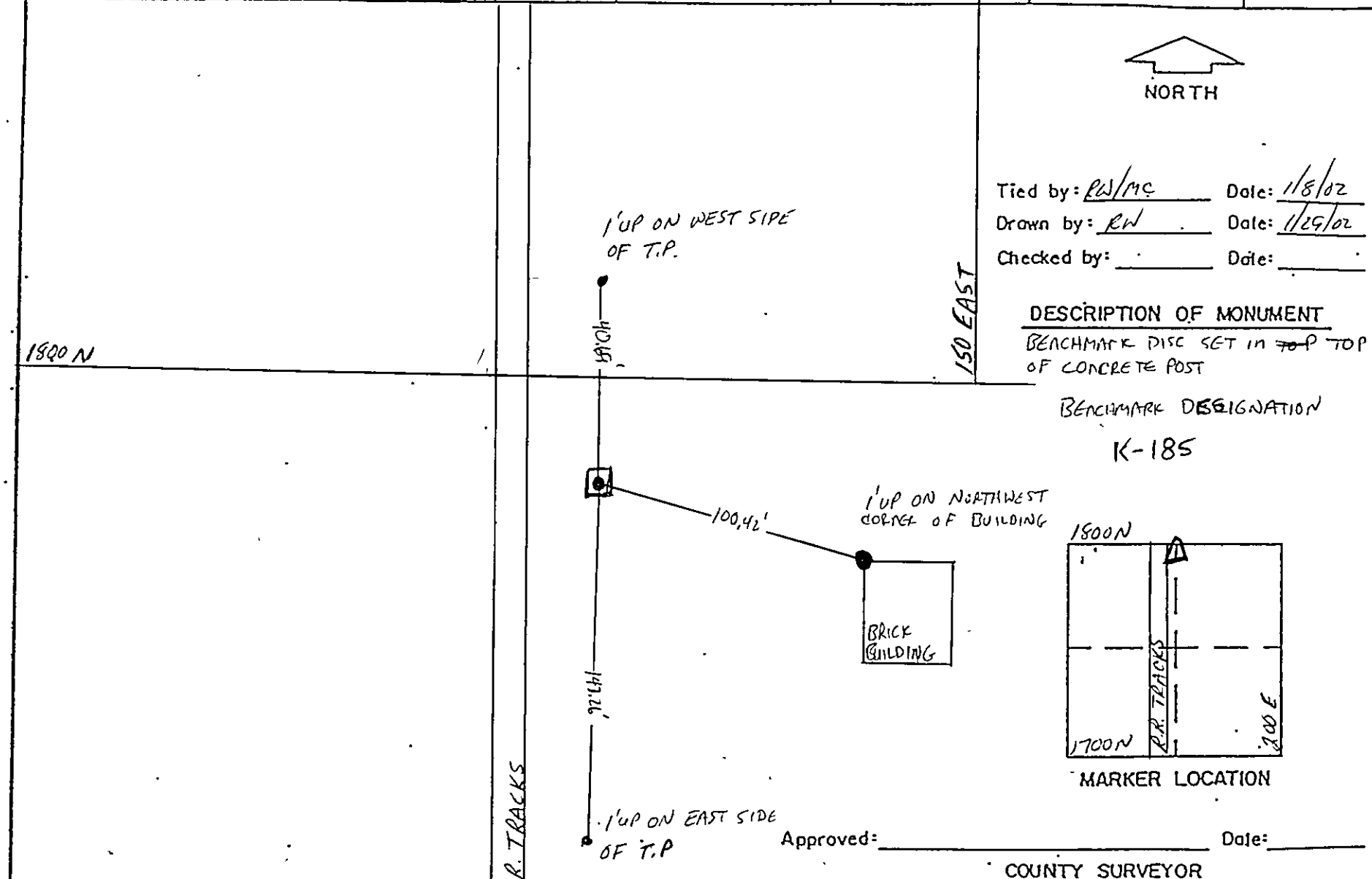
TRANFER BENCH MARK

BM Y-185	1.460	267.446			(872.66) 265.986
NEW BRONZE DISK IN CONC. ①			1.020	(874.10) 266.426	
	1.010	267.436			
BM Y-185			1.448	265.988 +.002	265.986

BRONZE DISK IN CONC. 1'x1' post 22.207 m N of ℄ ST Rd 28, 14.641 m E. of ℄ Co Rd 300 W, 27.613 m NE from sect. cor ② ℄ of ST Rd 28 & Co Rd 300.

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
						X=	Y=		
17	22	8			884.79				



NORTH

Tied by: RW/MC Date: 11/8/02

Drawn by: RW Date: 11/29/02

Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN ~~TOP~~ TOP OF CONCRETE POST

BENCHMARK DESIGNATION

K-185

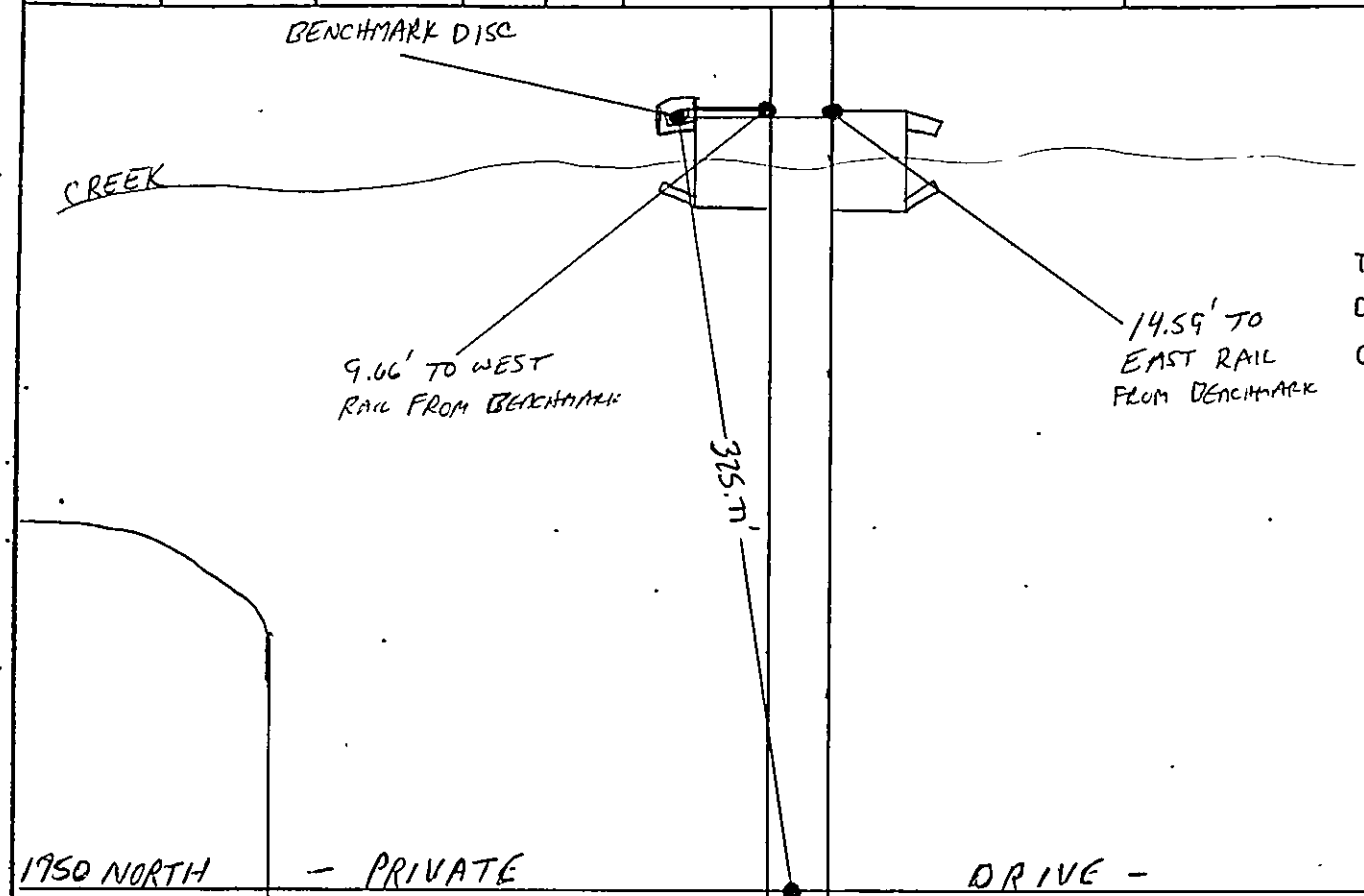
MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR

COUNTY SURVEYOR'S - SECTION CORNER TIES

SECTION	TOWNSHIP	RANGE	BOOK	PAGE	ELEVATION	UC ZONE STATE PLANE COORD		LATITUDE	LONGITUDE
17	22	8			881.76	X=	Y=		



NORTH

Tied by: MC/RW Date: 11/8/02

Drawn by: RW Date: 11/29/02

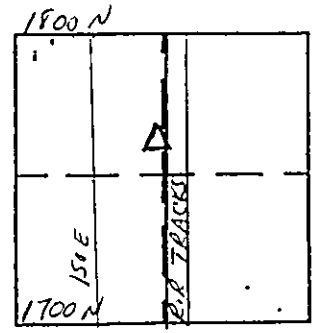
Checked by: _____ Date: _____

DESCRIPTION OF MONUMENT

BENCHMARK DISC SET IN TOP OF NORTH CONCRETE ABUTMENT ON WEST SIDE OF TRACKS

BENCHMARK DESIGNATION

J-185



MARKER LOCATION

Approved: _____ Date: _____

COUNTY SURVEYOR