

# HARTFORD BENCHMARKS

This is a PDF of **all mapped Benchmarks 1997 forward** in T10E
R18W ordered by section number.

For pre-1997 benchmarks, click to view index map and scanned images of benchmark sheets.

Please scroll to your desired benchmark.



For more information or to report problems, contact: Scott M. Schmidt, PE, RLS Washington County Engineer/Surveyor Washington County Public Agency Center (PAC) 333 East Washington St, Suite 2300 P.O. Box 2003

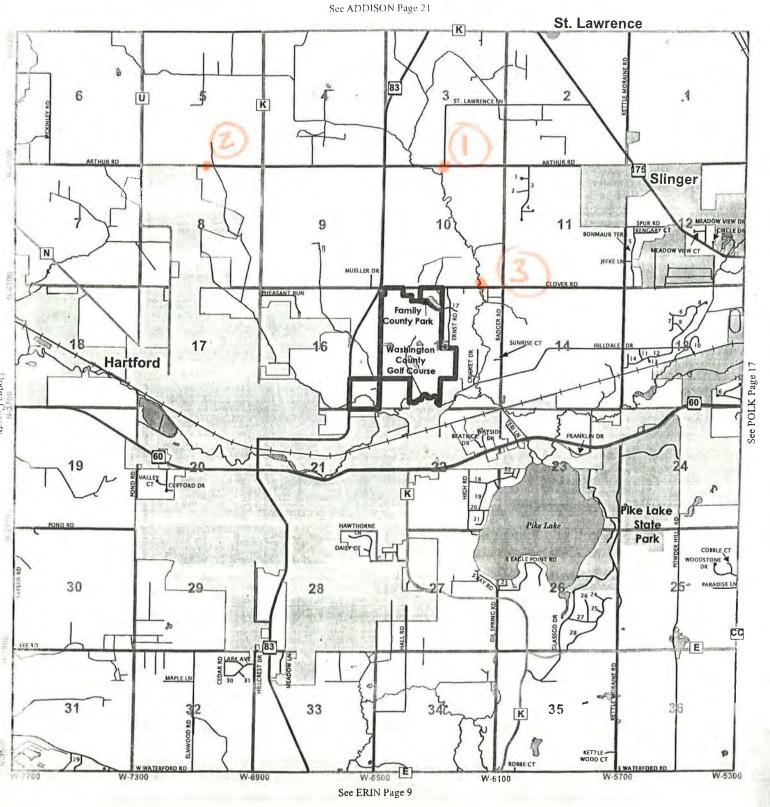
West Bend, WI 53095-2003 Phone: 262-335-6881 Fax: 262-335-4171

Email: scott.schmidt@co.washington.wi.us

## HARTFORD



T.10N. - R.18E.



- MAGNOLIA CT HONEYSUCKLE LN
- BRAMBLE WOOD SHAGBARK LN
- BONMAUR TER ROYAL AVE KING'S WAY
- **ELAINE'S WAY**
- **QUEEN'S WAY** 10. WILDLIFE CT

- THORNAPPLE RD
- STONEFIELD RD
- BRANDYWINE CT RIEGLE CT
- 15. 16. 17. KETTLE VIEW DR
- KETTLE VIEW CT LOGAN DR
- FIRST ST
- LAKE DR SECOND ST

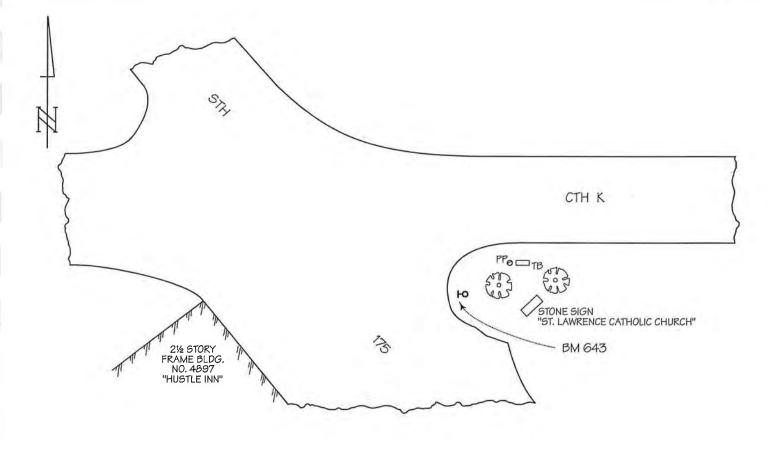
- LAKE DR NORTH AVE SHADY LN PARK LN

- LOVER'S LN OLD OAK RD
- PARKVIEW DR ROLAINE PKWY
- 28, CLEARWATER BEACH RD
- MEADOWDALE DR

31. ROBIN CIR

SECTION 2 T.	<u>10</u> N. R. <u>18</u> E.	WASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.:	643	ELEVATION:	1098.232
BM SET BY:	AERO-METRIC, INC.	YEAR:	2003
BM CONTROL SURVEY	BY:AERO-METRIC, INC.	YEAR:	2003
DATUM: NATIONAL GE	EODETIC VERTICAL DATUM OF 1929		
CONTROL ACCURACY:	SECOND ORDER, CLASS II		

### LOCATION SKETCH:



### **DETAILED DESCRIPTION:**

Benchmark 643 is a railroad spike set in the west face of power pole No. 91-02136, 0.5 ft. above grade.

RECOVERED BY: \_\_\_\_\_\_ DATE: \_\_\_\_ 5 FEBRUARY 2004

 SECTION
 3
 T.
 10
 N.
 R.
 18
 E.
 WASHINGTON
 COUNTY, WISCONSIN

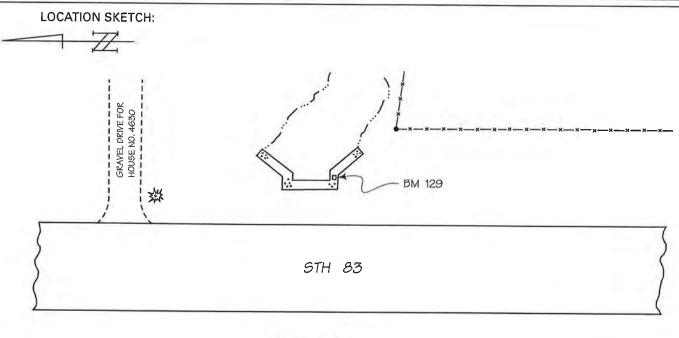
 BENCH MARK NO.:
 129
 ELEVATION
 1030.469

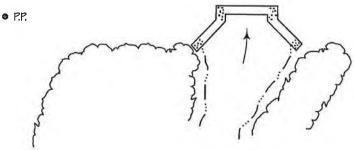
 BM SET BY:
 AERO-METRIC, INC.
 YEAR:
 2003

 BM CONTROL SURVEY BY:
 AERO-METRIC, INC.
 YEAR:
 2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II





**DETAILED DESCRIPTION:** 

Benchmark 129 is a chiseled square set in the top of the southeast concrete wingwall of a concrete box culvert.

RECOVERED BY: SEWRPC DATE: 5 FEBRUARY 2004

SECTION 6 T. 10 N. R. 18 E. WASHINGTON

\_\_\_\_ COUNTY, WISCONSIN

BENCH MARK NO.: 633

ELEVATION \_\_\_\_\_ 1042.357

BM SET BY: AERO-METRIC, INC.

2003 YEAR: \_\_\_

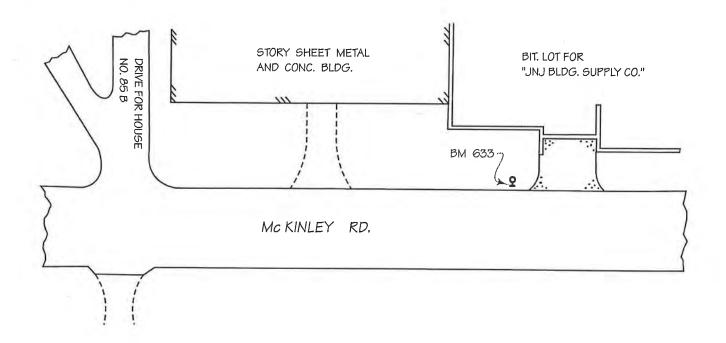
BM CONTROL SURVEY BY: AERO-METRIC, INC.

YEAR: \_\_\_\_\_2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II

LOCATION SKETCH:



### **DETAILED DESCRIPTION:**

Benchmark 633 is a railroad spike set in the east face of power pole No. 83-01675, 0.4 ft. above grade.

RECOVERED BY: \_\_\_\_\_ SEWRPC

DATE: 10 FEBRUARY 2004

SECTION 6 T. 10 N. R. 18 E. WA	ASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.: 644	ELEVATION1035.352	
BM SET BY: AERO-METRIC, INC.	YEAR: <u>2003</u>	
BM CONTROL SURVEY BY: AERO-METRIC, INC.	YEAR:2003	
DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929		

# LOCATION SKETCH: BM 644 Mc KINLEY RD.

### **DETAILED DESCRIPTION:**

CONTROL ACCURACY: SECOND ORDER, CLASS II

Benchmark 644 is a chiseled cross set in the top of a 24-inch-diameter CMCP, 0.3 ft. southwest of the northeast end, approximately 800 ft. west of house No. 4786.

RECOVERED BY: <u>SEWRPC</u> DATE: <u>10 FEBRUARY 2004</u>

SECTION \_\_\_7 T.\_\_\_10 N. R.\_\_18 E. \_\_\_\_\_ WASHINGTON

\_\_\_\_\_ COUNTY, WISCONSIN

BENCH MARK NAME: HARTPORT

ELEVATION \_\_\_\_\_\_\_

BM SET BY: WisDOT

YEAR: 1989

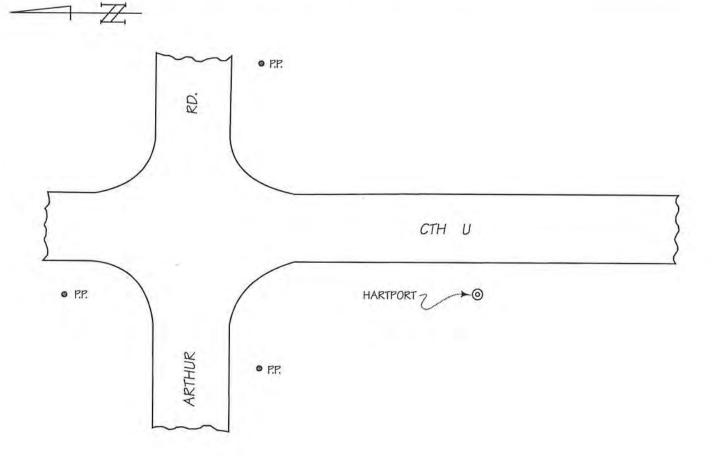
BM CONTROL SURVEY BY: AERO-METRIC, INC.

YEAR: 2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II

LOCATION SKETCH:



**DETAILED DESCRIPTION:** 

HARTPORT is a concrete monument with N.G.S. brass cap.

RECOVERED BY: <u>SEWRPC</u>

DATE: 10 FEBRUARY 2004

 SECTION
 7
 T.
 10
 N.
 R.
 18
 E.
 WASHINGTON
 COUNTY, WISCONSIN

 BENCH MARK NAME:
 HARTPORT AZ. MK.
 ELEVATION
 1038.944

 BM SET BY:
 WisDOT
 YEAR:
 1989

YEAR: \_2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

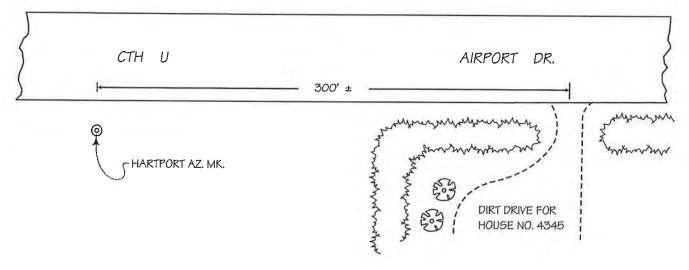
BM CONTROL SURVEY BY: AERO-METRIC, INC.

CONTROL ACCURACY: SECOND ORDER, CLASS II

LOCATION SKETCH:

T Z

P.P. NO. 2124 (LAST POLE)



**DETAILED DESCRIPTION:** 

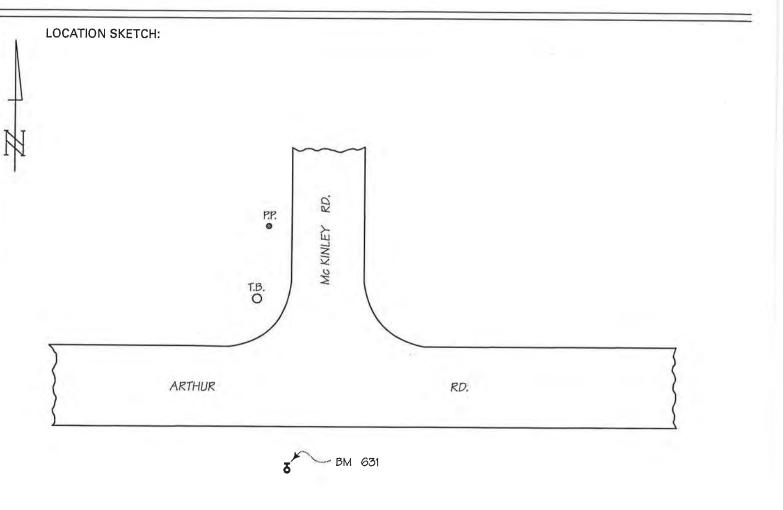
HARTPORT AZ. MK. is a concrete monument with N.G.S. brass cap.

RECOVERED BY: <u>SEWRPC</u> DATE: <u>10 FEBRUARY 2004</u>

SECTION \_\_7 T. \_\_10 N. R. \_\_18 E. \_\_\_\_ WASHINGTON \_\_\_\_\_ COUNTY, WISCONSIN ELEVATION \_\_\_\_1014.782 BENCH MARK NO.: 631 BM SET BY: AERO-METRIC, INC. YEAR: 2003 BM CONTROL SURVEY BY: AERO-METRIC, INC. YEAR: 2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II



DETAILED DESCRIPTION:

Benchmark 631 is a railroad spike set in the north face of power pole No. E57-16570, 0.4 ft. above grade.

RECOVERED BY: <u>SEWRPC</u>

DATE: \_\_10 FEBRUARY 2004

SECTION8	T. <u>10</u> N. R. <u>18</u> E.	WASHINGTON	COUNTY, WISCONSII

BENCH MARK NO.: 632 ELEVATION

ELEVATION 1034.166

BM SET BY: AERO-METRIC, INC.

YEAR: \_\_2003

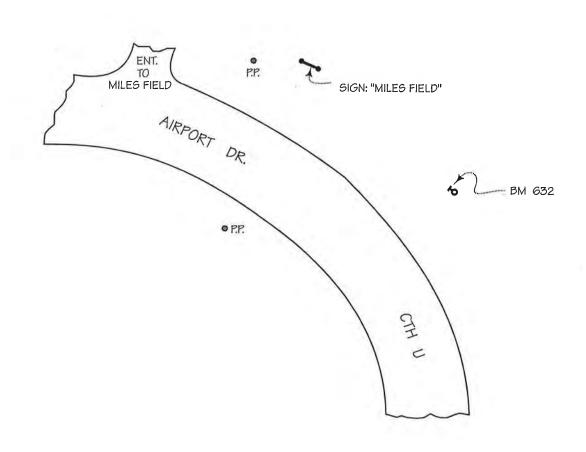
BM CONTROL SURVEY BY: AERO-METRIC, INC.

YEAR: \_2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II

LOCATION SKETCH:



**DETAILED DESCRIPTION:** 

Benchmark 632 is a railroad spike set in the northwest face of power pole No. 59-2131, 0.4 ft. above grade.

RECOVERED BY: \_SEWRPC

DATE: 10 FEBRUARY 2004

(2)

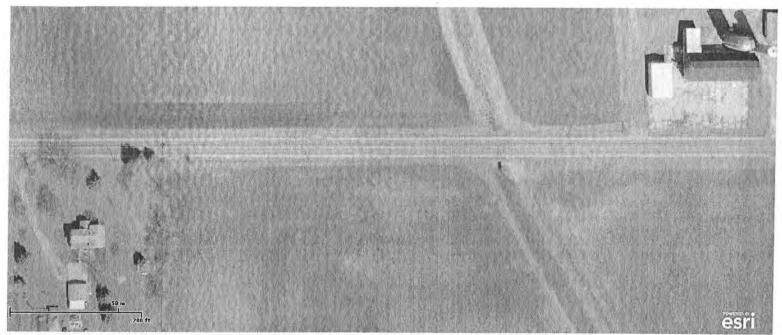
RECORD OF U.S.	PUBLIC LAND SURVEY CONTROL STATION
U.S. PUBLIC LAND	SURVEY CORNER 5 5 5 T 10 N, R 18 E,  COUNTY: WASHINGTON
	O-METRIC, INC. YEAR: 1998
STATE PLANE COORDINATES OF:  NORTH: EAST:  2,428	TER_SECTION_CORNER
	ANE COORDINATE SYSTEM, SOUTH ZONE - NORTH AMERICAN DATUM OF 1927
VERTICAL DATUM: WISCONSIN STATE PER	
CONTROL ACCURACY: HORIZONTAL: THIRD ORDER, CLAS	
REF. MK + RBM: FOUND R.R. SPIKE IN NORTH FACE 2.7' A.B.G. OF POWER POLE # 82-04897 ELEV:: 1082.005  FOUND R.R. SPIKE IN NORTHWEST FACE 1.8' A.B.G. OF 18" CEDAR TREE.	LONG. TOO STATE OF CENTER OF COMMENT
STATE OF WISCONSIN)  OZAUKEE COUNTY)  SEPTEMB A BRASS FOUND T MARK TH	J. SCHNEIDER, HEREBY CERTIFY THAT: ON ER 30, 2004 I FOUND A CONCRETE MONUMENT WITH C CAP, AS SET BY RON GRIEVE IN 1990. I HAVE IS AS SET BY RON GRIEVE S-1225 IN 1990 TO HIS CORNER, SET ADDITIONAL TIES, HAVE REFERENCED IE AS SHOWN HEREON, AND THAT THIS RECORD IS AND COMPLETE TO THE BEST OF MY KNOWLEDGE.  ALLEN J. SCHNEIDER S-2194 Greenfield, WI  REGISTERED LAND SURVEYOR

N:\810\51003111\Cod\dwg\61003111TE-5-5-10-18-R1.dwg

RECORD OF VERTICAL	CONTROL STATION	
SECTION 8 T. 10 N. R. 18 E.	WASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.: BM-435	ELEVATION	
REFERENCE BENCH MARK NO.: RBM-435	ELEVATION 1077.48	
BM /RBM SETAYRES ASSOCIATES	YEAR:2011	
BM/RBM CONTROL SURVEY BY: AYRES ASSOCIATES	YEAR:2011	
DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929		
CONTROL ACCURACY: DERIVED FROM GPS OBSERVATION		
LOCATION SKETCH:		
1078.634 2.691 1099.825 5.456 1075,869		
2501		
250'		-9
RBM-435 1077.48' R.R. SPIKE IN POWER POLE #82-04896	TO UT-2 TO UT-2	BM-435 1076.01' R.R. SPIKE IN POWER POLE #E62-15492 Pole (0 an ) M,
DETAILED DESCRIPTION: STRUCTURE NO. 435 IS A CORRUGATED METAL CULVERT PIR CTH-K ON ARTHUR ROAD IN THE TOWN OF HARTFORD.	PE LOCATED APPROXIMATEL	Y 0.4 MILE WEST OF
RECOVERED BY: DATE:		

FORM PREPARED BY SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

# Му Мар



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RECORD OF VERTIC	AL CONTROL STATION	1.
SECTION 10 T. 10 N. R. 18 E.	WASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.: BM-320	ELEVATION1011.25	
REFERENCE BENCH MARK NO.: RBM-320	ELEVATION1012.82	
BM /RBM SET AYRES ASSOCIATES	YEAR:2011	
BM/RBM CONTROL SURVEY BY: AYRES ASSOCIATES	YEAR:2011	4.4
DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929		
CONTROL ACCURACY: DERIVED FROM GPS OBSERVATION	PN .	
LOCATION SKETCH:	ARTHUR	
LOCATION SKETCH.	ROAD	
ARM IELD  BM-320 1011.25 R.R. SPIKE SET IN 30" ELM	1.0 1015 9 FARM FIELD 3.0 101 8 9	727 547 HI 616 131 TP #1 SPK 1 0) 570 H2#Z
IN 30" ELM		
DETAILED DESCRIPTION:		
STRUCTURE NO. 320 IS LOCATED APPROXIMATELY 250' SO OF SAINT LAURENCE LANE.		•
		16,3 <b>4</b> 2 2.467
	10 %	1.309 451
RECOVERED BY: DATE:		2 9 8 0
	AV BI ANNING COMMISSION	1.619
FORM PREPARED BY SOUTHEASTERN WISCONSIN REGION.	TE FEATVIVING COMMISSION	V. 5 3 8 115 112

RECORD OF U. S. PUBLIC LAI	ID SURVEY CO	NIHOL SIATIO	
U. S. PUBLIC LAND SURVEY CORNER 3 7 10 N	.R 18 F. WA	and wants	== # 32 ==
GEODETIC SUBVEY BY		32.26(0)	
GEODETIC SURVEY BY: AERO-METRIC, INC.	-		YEAR: 1998
STATE PLANE COORDINATES OF: QUARTER SECTION NORTH 497.740.21	CORNER	-	
NORTH 497.740.21 EAST 2,439,277.92			<del></del>
ELEVATION OF STATION: 1019.806			
HORIZONTAL DATUM: WISCONSIN STATE PLANE COC	RDINATE SYSTEM	, SOUTH ZONE	
VERTICAL DATUM: NATIONAL GEODETIC VERTICAL D.			
	10141 01 1323		± 1_08_n¢
CONTROL ACCURACY: HORIZONTAL: THIRD ORDER, CLASS I	VERTICAL:	THETA ANGLE:	2 // MSC TT
		JECOND ONDE	7, CEH 33 II
LOCATION SKETCH:  REF. MK + RBM: RR SPK. E. FACE PPNO. 77-39/7, O. 7' ABU. GRD. ELEV.: 1016. 466  OH  S. 9  OH  DITTUDE:  DITT	50	2.50.	
8 - 47.30			
SO. DAIL IN TAP		SET P. K	
D. 4ACE - 3.8' aloc > 7		N. face	i - 2.7 al
7.P. E64- 48462	حر_ ح	O CLM	al.
المحمد محمد	TAP		0.00.04.55.13
LAYOR	2.1 abc		s 89-01-10 W or. Sec. 9, 10-18
SURVEYOR'S AFFIDAVIT: I hereby certify and found old roa At 2.5 feet I found old roa A			
STATE OF WISCONSIN)  Jaukesha COUNTY)  monument with Washington Co. cap; correct and complete to the best On 7/21/94 I checked ties.	eplaced same and that th	with concretis record is dge and beli	te RONALD H
1111	- 1 4		
DATE OF SURVEY: 1/11/91	alax A. I	me	S- 1225

RECORD OF VERTICA           SECTION 10 & 15         T. 10         N. R. 18         E.	WASHINGTON	
BENCH MARK NO.: _BM-315		COUNTY, WISCONSIN
REFERENCE BENCH MARK NO.: RBM-315	- ELEVATION1007.37	
BM /RBM SET AYRES ASSOCIATES	ELEVATION	
3307/1120	YEAR:2011	
BM/RBM CONTROL SURVEY BY: AYRES ASSOCIATES	YEAR:2011	
DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929		
CONTROL ACCURACY: DERIVED FROM GPS OBSERVATION		
LOCATION SKETCH:		
\ 7\		
RUTICON RIVER	1007,352	
7	BM-315 1007.37	DDM 215
1	R.R. SPIKE IN POWER POLE #83 01659	RBM-315 1007.61 R.R. SPIKE IN POLE #77 1120
<u> </u>	250	POLE #77 1120
1 1 1	5.678	5 77 /5
		5,326
	5 932	
CLOVER \ \ ROAD	2	
ROAD		
	ast-	
	1013, 482	
1007.7/58	5.678	-
5,274	1	
1003032		
ETAILED DESCRIPTION: 5, 526		
FRUCTURE NO. 315 IS A CULVERT PIPE LOCATED ON CLOVER RO EST OF BADGER ROAD.	DAD APPROXIMATELY 0.2 MILE	
COVERED BY:		
DATE: RM PREPARED BY SOUTHEASTERN WISCONSIN REGIONAL PLAN		

YEAR: 1934

SECTION 13 T. 10 N. R. 18 E. WASHINGTON COUNTY, WISCONSIN

BENCH MARK NO.: C 86 ELEVATION 1018.184

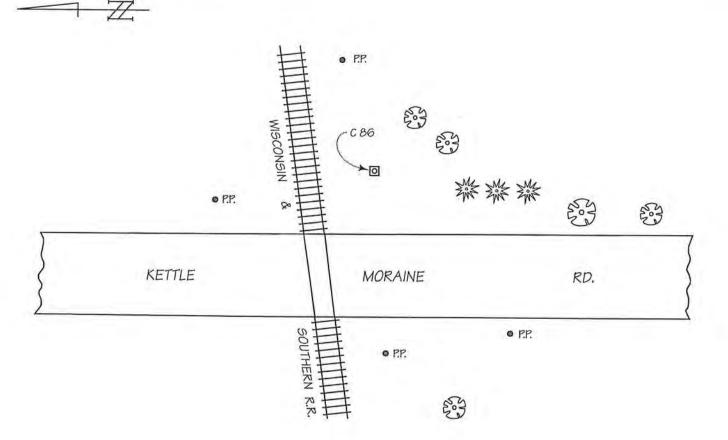
BM SET BY: U.S.C. & G.S.

BM CONTROL SURVEY BY: U.S.C. & G.S. YEAR: 1934

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II

### LOCATION SKETCH:



**DETAILED DESCRIPTION:** 

Benchmark C 86 is a concrete monument with U.S.C. & G.S. brass cap.

RECOVERED BY: <u>SEWRPC</u>

DATE: 10 FEBRUARY 2004

FORM PREPARED BY SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SECTION 15 T. 10 N. R. 18 E. WASHINGTON COUNTY, WISCONSIN

BENCH MARK NO.: 125 ELEVATION 1007.758

BM SET BY: AERO-METRIC, INC. YEAR: 2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CLOVER RD.

### **DETAILED DESCRIPTION:**

CONTROL ACCURACY: SECOND ORDER, CLASS II

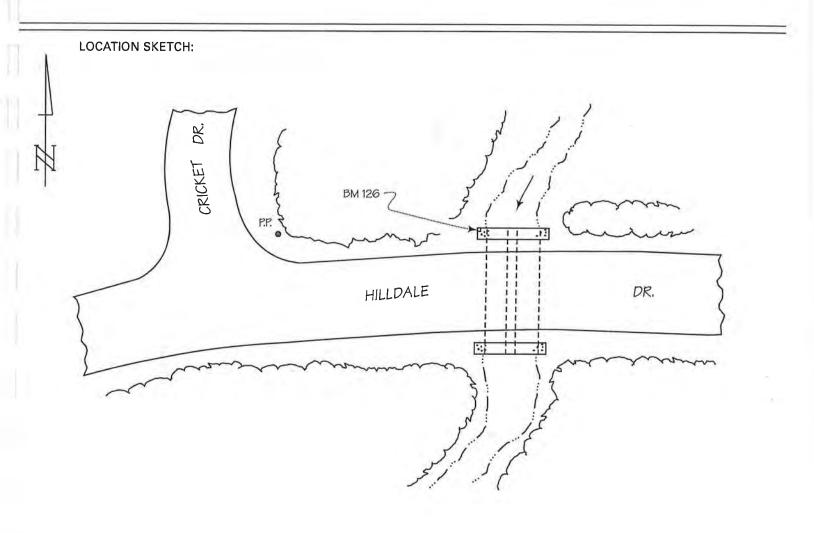
Benchmark 125 is a chiseled square set in the south side of the limestone endwall of a corrugated metal pipe arch culvert. The benchmark is 5.8 ft. east of the west end of the wall.

RECOVERED BY: SEWRPC DATE: 5 FEBRUARY 2004

SECTION 15 T. 10 N. R. 18 E	WASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.: 126	ELEVATION999.502	
BM SET BY:AERO-METRIC, INC.	YEAR: 2003	
BM CONTROL SURVEY BY: AERO-METRIC, INC.	YEAR: 2003	

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II



### **DETAILED DESCRIPTION:**

Benchmark 126 is a chiseled square in the top of the northwest corner of a concrete headwall over a twin 72" CMCP.

RECOVERED BY: \_SEWRPC DATE: \_21 JANUARY 2004

RECORD OF VERTICAL O	CONTROL STATION		
SECTION 15 T. 10 N. R. 18 E.	WASHINGTON	COUNTY, WISCO	NSIN
BENCH MARK NO.: 628	ELEVATION:	1034.740	
BM SET BY: AERO-METRIC, INC.	YEAR:	2003	
BM CONTROL SURVEY BY:AERO-METRIC, INC.	YEAR:	2003	
DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929			
CONTROL ACCURACY: SECOND ORDER, CLASS II			
LOCATION SKETCH:			
MASNIMMANNANTON BADGER RD.  BADGER RD.  GRAVEL DRIVE FOR HSE NO. 6093	PP P P P P P P P P P P P P P P P P P P	o PP	

### **DETAILED DESCRIPTION:**

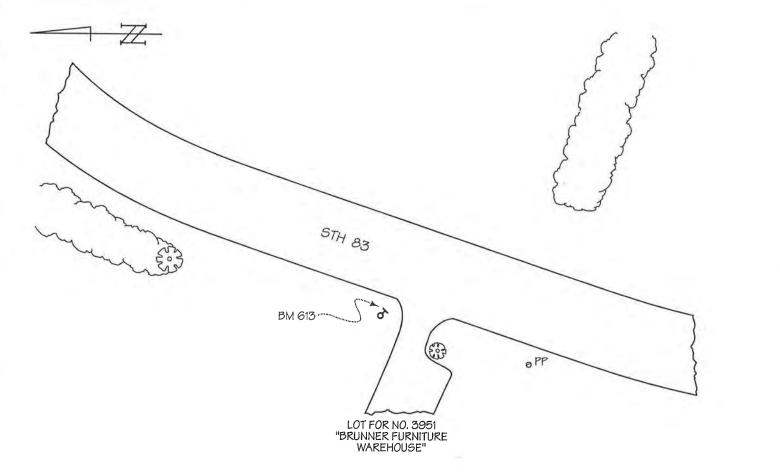
Benchmark 628 is a railroad spike set in the southeast face of power pole No. 80-02031, 0.6 ft. above grade.

RECOVERED BY: \_\_\_\_\_SEWRPC

DATE: 21 JANUARY 2004

SECTION 16 T.	<u>10</u> N. R. <u>18</u> E	WASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.:	613	ELEVATION:	998.508
BM SET BY:	AERO-METRIC, INC.	YEAR:	2003
BM CONTROL SURVEY B	Y: AERO-METRIC, INC.	YEAR:	2003
DATUM: NATIONAL GEO	DDETIC VERTICAL DATUM OF 1929		
CONTROL ACCURACY: _	SECOND ORDER, CLASS II		

### LOCATION SKETCH:



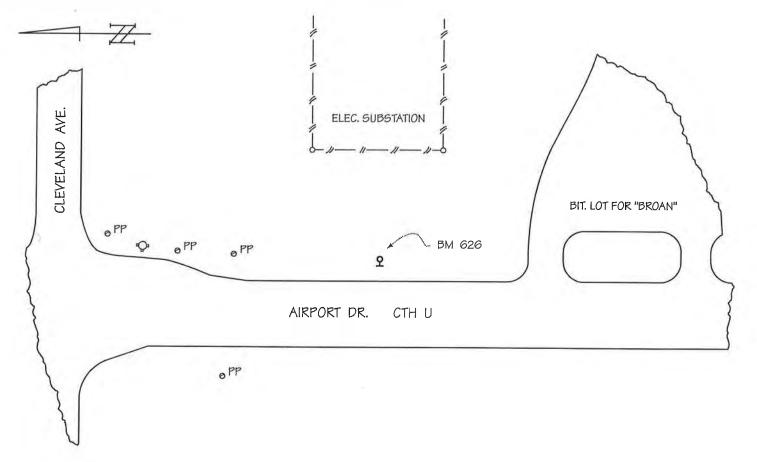
### **DETAILED DESCRIPTION:**

Benchmark 613 is a railroad spike set in the southeast face of power pole No. 77-11163, 1.7 ft. above grade.

RECOVERED BY: SEWRPC DATE: 5 FEBRUARY 2004

CONTROL ACCURACY: SECOND ORDER, CLASS II

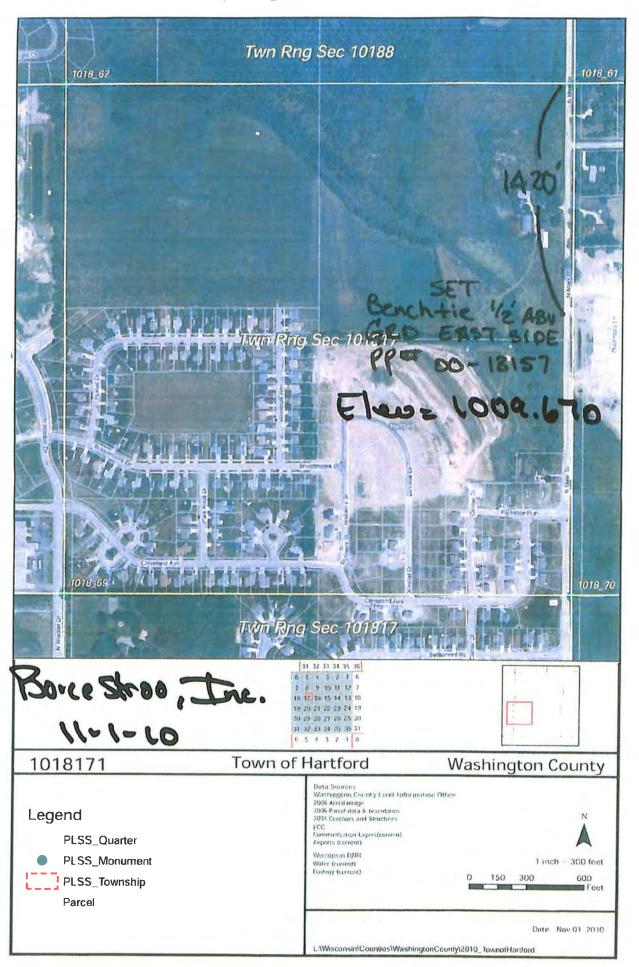
### LOCATION SKETCH:



### **DETAILED DESCRIPTION:**

Benchmark 626 is a railroad spike set in the west face of power pole No. 1980, 0.5 ft. above grade.

RECOVERED BY: \_\_\_\_\_ SEWRPC DATE: \_\_\_\_ 10 FEBRUARY 2004



SECTION _	18	T. <u>10</u> N. I	R. <u>18</u> E.	WASHINGTON	COUNTY, WISCONSIN

BENCH MARK NO.: 127 ELEVATION: 964.806

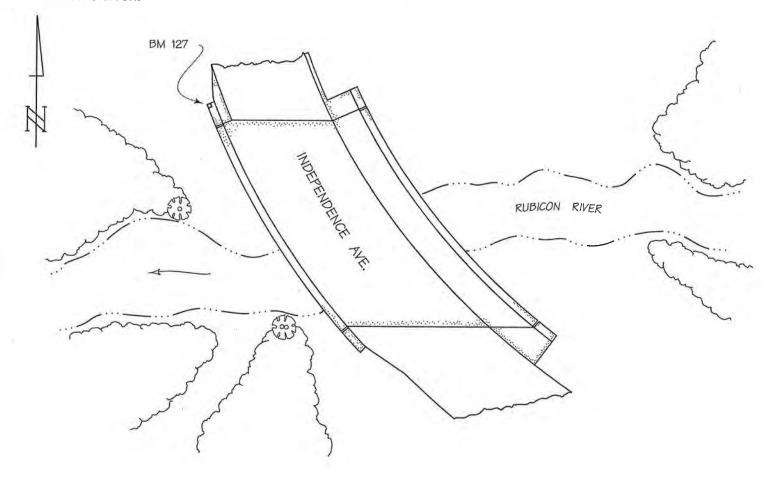
BM SET BY: \_\_\_\_\_ AERO-METRIC, INC. YEAR: \_\_\_\_ 2003

BM CONTROL SURVEY BY: AERO-METRIC, INC. YEAR: 2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II

### **LOCATION SKETCH:**



### **DETAILED DESCRIPTION:**

Benchmark 127 is a chiseled square in the top of the northwest corner of the concrete parapet wall of Bridge No. B-66-0714-95, 2.5 ft. above the concrete curb.

RECOVERED BY: \_\_\_\_\_ SEWRPC DATE: \_\_\_ 5 FEBRUARY 2004

SECTION 18 T. 10 N. R. 18 E. WASHINGTON COUNTY, WISCONSIN

BENCH MARK NO.: 624

\_\_\_\_\_\_ ELEVATION: \_\_\_\_\_ 988.806

BM SET BY: AERO-METRIC, INC.

YEAR: \_\_\_\_\_ 2003

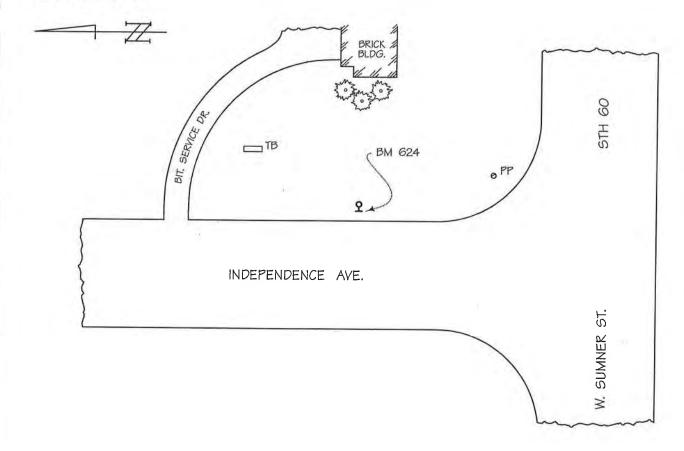
BM CONTROL SURVEY BY: AERO-METRIC, INC.

YEAR: \_\_\_\_\_ 2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II

### LOCATION SKETCH:



### **DETAILED DESCRIPTION:**

Benchmark 624 is a railroad spike set in the west face of power pole No. 22-5, 0.5 ft. above grade.

RECOVERED BY: SEWRPC DATE: 8 JANUARY 2004

SECTION 18 T. 10 N. R. 18 E. WASHINGTON COUNTY, WISCONSIN

BENCH MARK NO.: 625 ELEVATION: 988.508

BM SET BY: AERO-METRIC, INC. YEAR: 2003

BM CONTROL SURVEY BY: \_\_\_\_AERO-METRIC, INC.

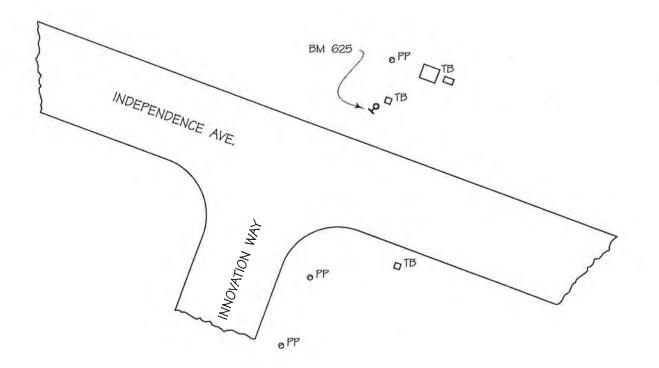
YEAR: \_\_\_\_\_ 2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: \_\_\_\_\_SECOND ORDER, CLASS II

### LOCATION SKETCH:





### **DETAILED DESCRIPTION:**

Benchmark 625 is a railroad spike set in the northwest face of power pole No. 93-2335, 0.3 ft. above grade.

RECOVERED BY: SEWRPC DATE: 8 JANUARY 2004

RECORD OF VERTICAL CONTROL STATION						
	SECTION 19 T. 10 N. R. 18 E.	WASHINGTON	COUNTY, WISCONSIN			
	BENCH MARK NO.: 2K42	ELEVATION:	998.263			
	BM SET BY: WisDOT	YEAR:	1999			
	BM CONTROL SURVEY BY:AERO-METRIC, INC.	YEAR:	2003			
	DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929					
	CONTROL ACCURACY: SECOND ORDER, CLASS II					
	LOCATION SKETCH:   WYWYWYY  STH 60	W. SUMN	EK ST.			

### **DETAILED DESCRIPTION:**

Benchmark 2K42 is a concrete monument with WisDOT brass cap, located 312.36 ft. southeast of the N ¼ Cor. of Sec. 19, T 10 N, R 18 E.

RECOVERED BY: SEWRPC DATE: 5 FEBRUARY 2004

SECTION 20 T. 10 N. R. 18 E. WASHINGTON COUNTY, WISCONSIN

YEAR: \_\_1934

ELEVATION \_\_\_982.793 BENCH MARK NO.: 983

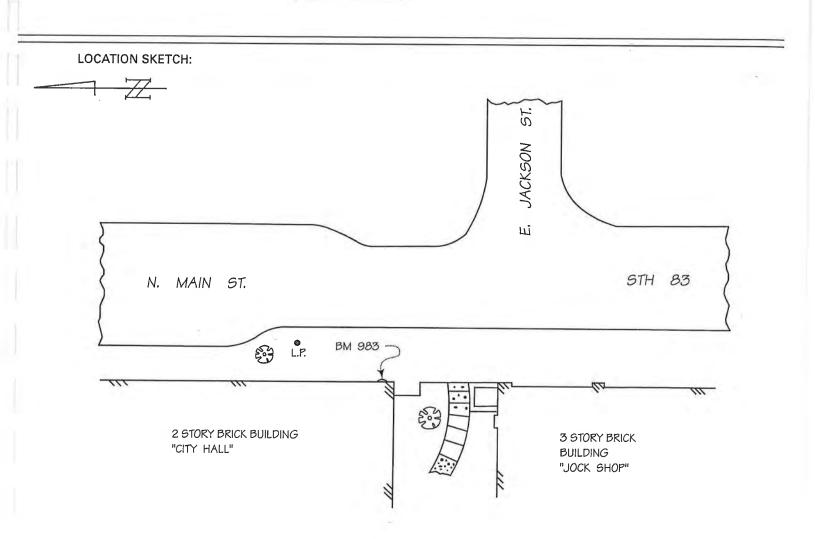
BM SET BY: U.S.C. & G.S.

BM CONTROL SURVEY BY: U.S.C. & G.S.

YEAR: 1934

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER



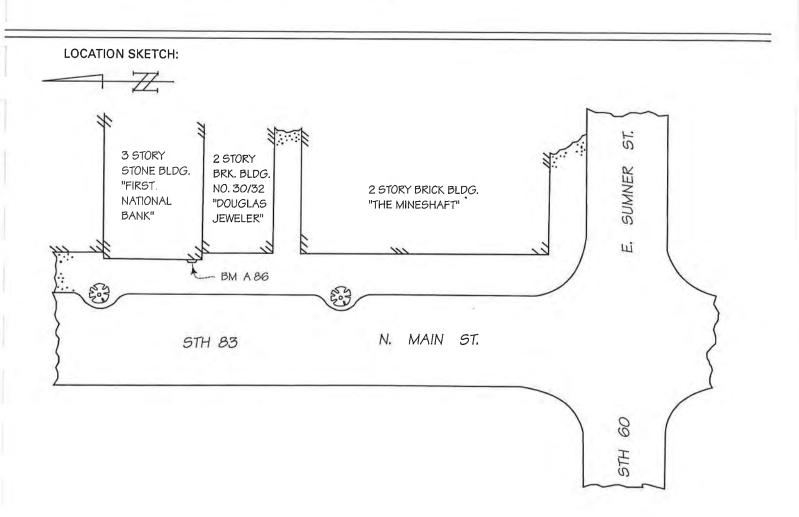
### **DETAILED DESCRIPTION:**

Benchmark 983 is a U.S.G.S. brass cap set vertically in the east face of the Hartford City Hall, 0.5 ft. above the concrete walk, 1.6 ft. north of the southeast corner of the building.

DATE: 5 FEBRUARY 2004 RECOVERED BY: <u>SEWRPC</u>

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER



### **DETAILED DESCRIPTION:**

Benchmark A 86 is a U.S.C. & G.S. brass cap set vertically in the west face of the First National Bank building, 3.9 ft. above the concrete walk, 0.8 ft. north of the southwest corner of building.

RECOVERED BY: \_SEWRPC DATE: \_5 FEBRUARY 2004

SECTION21	T. <u>10</u> N. R. <u>18</u> E.	WASHINGTON	COUNTY, WISCONSIN
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BENCH MARK NO.: 124

ELEVATION \_\_\_988.708

BM SET BY: AERO-METRIC, INC.

YEAR: \_2003

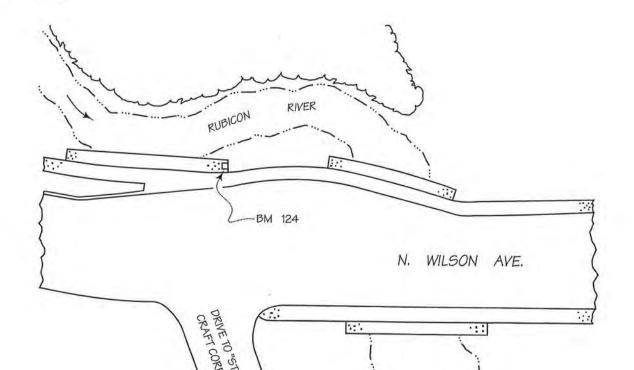
BM CONTROL SURVEY BY: AERO-METRIC, INC.

YEAR: 2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II

LOCATION SKETCH:



**DETAILED DESCRIPTION:** 

Benchmark 124 is a chiseled square set in the top of the south end of a concrete retaining wall.

RECOVERED BY: SEWRPC

DATE: 10 MAY 2004

SECTION 21 T. 10 N. R. 18 E. WASHINGTON

\_\_\_\_\_ COUNTY, WISCONSIN

BENCH MARK NO.: \_\_\_\_\_

988.664 ELEVATION \_\_\_\_\_

BM SET BY: AERO-METRIC, INC.

YEAR: \_\_\_\_\_

2003

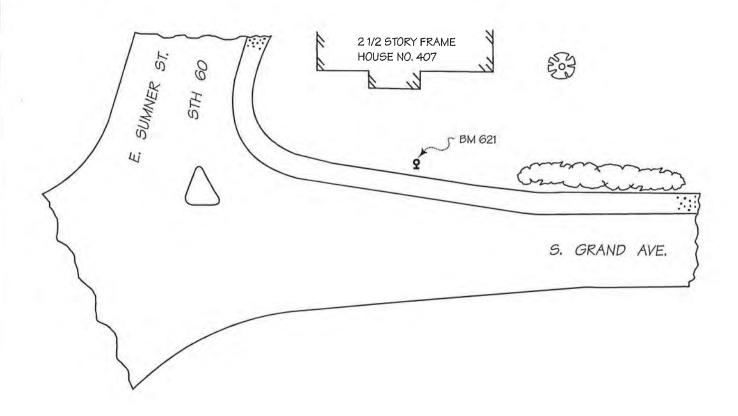
BM CONTROL SURVEY BY: AERO-METRIC, INC.

YEAR: \_\_\_\_\_\_2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II

LOCATION SKETCH:



**DETAILED DESCRIPTION:** 

Benchmark 621 is a railroad spike set in the west face of power pole No. 96-63, 0.3' above grade.

RECOVERED BY: \_\_\_\_\_SEWRPC

\_\_\_\_ DATE: \_8 JANUARY 2004

# **RECORD OF VERTICAL CONTROL STATION** SECTION 20 T. 10 N. R. 18 E. WASHINGTON \_\_\_\_\_COUNTY, WISCONSIN ELEVATION 969.13 BENCH MARK NO.: BM-135 REFERENCE BENCH MARK NO.: RBM-135 ELEVATION 969.32 AYRES ASSOCIATES YEAR: \_\_\_\_\_2011 BM /RBM SET YEAR: \_\_\_\_\_2011 BM/RBM CONTROL SURVEY BY: AYRES ASSOCIATES DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929 CONTROL ACCURACY: DERIVED FROM GPS OBSERVATION LOCATION SKETCH: 175' NORTH JOHNSON STREET **DETAILED DESCRIPTION:** STRUCTURE NO. 135 IS A BRIDGE LOCATED ON NORTH JOHNSON STREET APPROXIMATELY 750 FEET NORTH OF STH-60 (SUMNER STREET) IN THE CITY OF HARTFORD.

FORM PREPARED BY SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

RECOVERED BY: \_\_\_

\_\_\_\_ DATE:\_\_

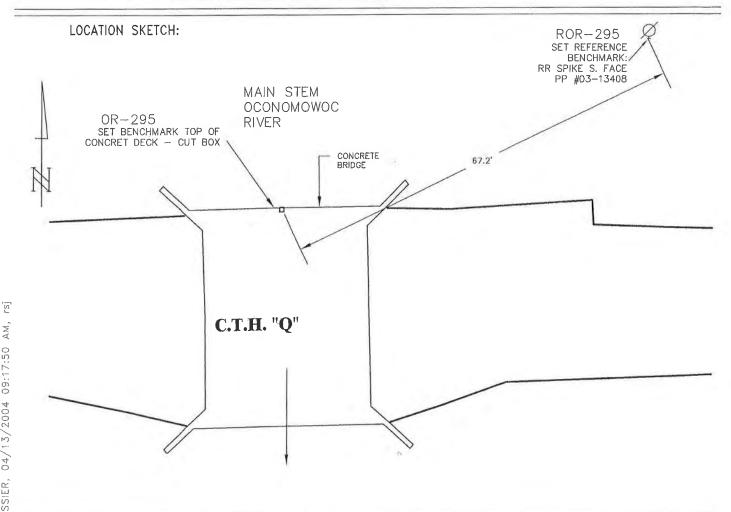
YEAR:

2004

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

BM CONTROL SURVEY 8: NATIONAL SURVEY & ENGINEERING

CONTROL ACCURACY: THIRD ORDER



### DETAILED DESCRIPTION:

Structure No. 295 is located about 0.1 mile E of the Southwest corner of Section 35, T 9 N, R 18 E.

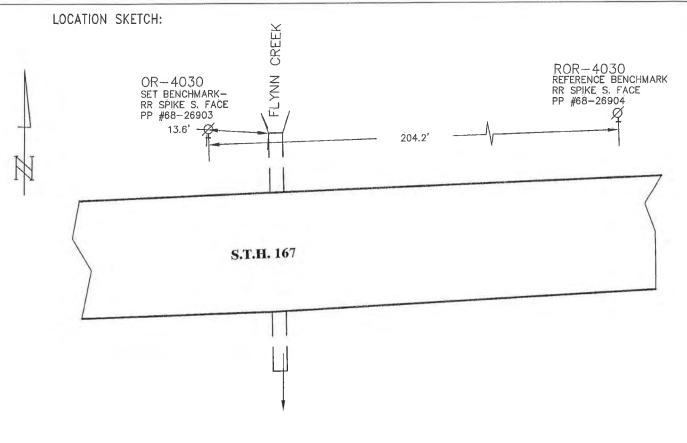
RECOVERED BY: NATIONAL SURVEY & ENG.

DATE: 23 FEBRUARY 2004

FORM PREPARED BY SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

WASHINGTON \_ COUNTY, WISCONSIN SECTION 12 T. 9 N. R. 18 E. 1015.83 BENCH MARK NO .: OR-4030 **ELEVATION** REFERENCE BENCH MARK NO.: ROR-4030 1018.11 **ELEVATION** 2004 BM/RBM SET BY: NATIONAL SURVEY & ENGINEERING YEAR: \_\_\_ YEAR:\_\_\_\_ BM CONTROL SURVEY IN: NATIONAL SURVEY & ENGINEERING 2004 DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: \_\_\_\_\_THIRD\_ORDER



### **DETAILED DESCRIPTION:**

Structure No. 4030 is located about 0.4 mile west of the Southeast corner of Section 12, T 9 N, R 18 E.

RECOVERED BY: NATIONAL SURVEY & ENG.

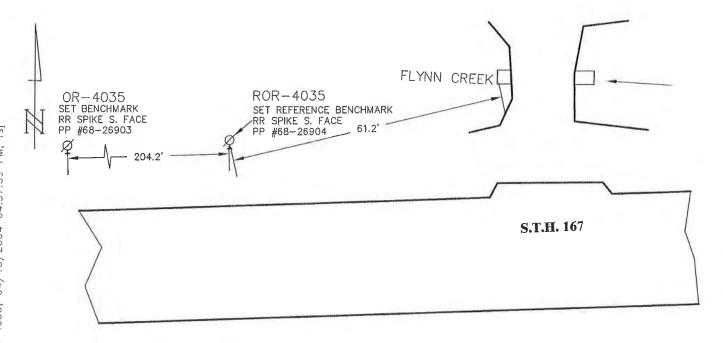
DATE: 2 FEBRUARY 2004

SECTION 12 T. 9 N. R. 18 E.	WASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.: OR-4035	ELEVATION	1015.83
REFERENCE BENCH MARK NO.: _ROR-4035	ELEVATION	1018.11
BM/RBM SET BY: NATIONAL SURVEY & ENGINEERING	YEAR:	2004
BM CONTROL SURVEY BY: NATIONAL SURVEY & ENGINEERII	NG YEAR:	2004

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: THIRD ORDER

### LOCATION SKETCH:



### DETAILED DESCRIPTION:

Structure No. 4035 is located about 0.3 mile W of the Southeast corner of Section 12, T 9 N, R 18 E.

RECOVERED BY: NATIONAL SURVEY & ENG.

DATE: 2 FEBRUARY 2004

FORM PREPARED BY SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SECTION 12 T. 9 N. R. 18 E. WASHINGTON COUNTY, WISCONSIN
BENCH MARK NO.: OR-4040 ELEVATION 1022.65

REFERENCE BENCH MARK NO.: ROR-4040 ELEVATION 1024.65

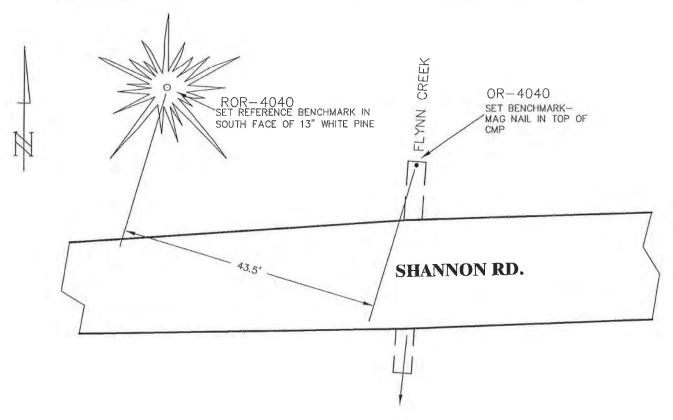
BM/RBM SET BY: NATIONAL SURVEY & ENGINEERING YEAR: 2004

BM CONTROL SURVEY W: NATIONAL SURVEY & ENGINEERING YEAR: 2004

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: \_\_\_\_THIRD ORDER

### LOCATION SKETCH:



### DETAILED DESCRIPTION:

Structure No. 4040 os located about 0.2 mile W of the East quarter corner of Section 12, T 9 N, R 18 E.

RECOVERED BY: NATIONAL SURVEY & ENG.

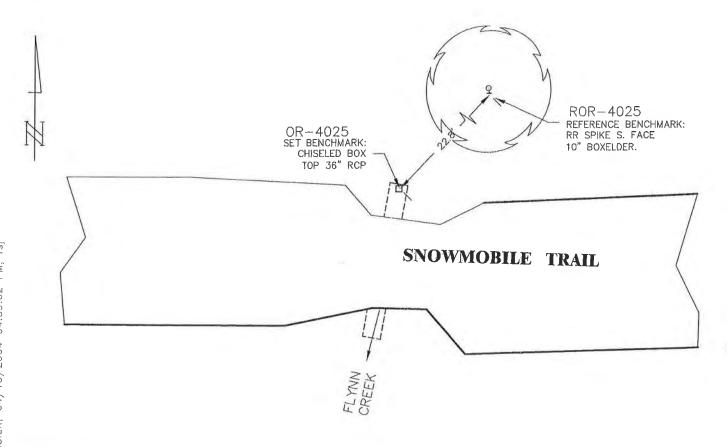
DATE: 2 FEBRUARY 2004

FORM PREPARED BY SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SECTION 13 T. 9 N. R. 18 E. W.	ASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.: OR-4025	ELEVATION	1010.78
REFERENCE BENCH MARK NO.: ROR-4025	ELEVATION	1011.68
BM/RBM SET BY: NATIONAL SURVEY & ENGINEERING	YEAR:	2004
BM CONTROL SURVEY 81: NATIONAL SURVEY & ENGINEERING	YEAR:	2004
DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929		

CONTROL ACCURACY: \_\_\_\_THIRD ORDER

## LOCATION SKETCH:



## **DETAILED DESCRIPTION:**

Structure No. 4025 is located about 0.3 mile NE of the center of Section 13, T 9 N, R 18  $E_{\rm s}$ 

RECOVERED BY: NATIONAL SURVEY & ENG.

DATE: 25 FEBRUARY 2004

SECTION 23 T. 9 N. R. 18 E.	VASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.: OR-4015	ELEVATION	997.19
REFERENCE BENCH MARK NO .: ROR-4015	ELEVATION	998.47
BM/RBM SET BY: NATIONAL SURVEY & ENGINEERING	YEAR:	2004
BM CONTROL SURVEY 8: NATIONAL SURVEY & ENGINEERIN	G YEAR:	2004
DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929		
CONTROL ACCURACY: THIRD ORDER		

LOCATION SKETCH:

OR-4045 SET BENCHMARK MAG NAIL IN TOP 3.5' CMP 25.7 ROR-4015 SET REFERENCE BENCHMARK: RR SPIKE S. FAI PP #246483 SHAMROCK ROAD

DETAILED DESCRIPTION:

Structure No. 4015 is located about 0.3 mile W of the East quarter corner of Section 23, T 9 N, R 18 E.

RECOVERED BY: NATIONAL SURVEY & ENG.

DATE: 19 FEBRUARY 2004

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BM CON
DATUM:
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LOC

N <u>24</u> T<u>9</u> N. R<u>18</u> E.

WASHINGTON

COUNTY, WISCONSIN

OR-4020 MARK NO.:

ELEVATION

1004.95

NCE BENCH MARK NO .: ROR-4020

1006.14 ELEVATION

M SET BY: NATIONAL SURVEY & ENGINEERING

2004 YEAR: \_

ITROL SURVEY BY: NATIONAL SURVEY & ENGINEERING

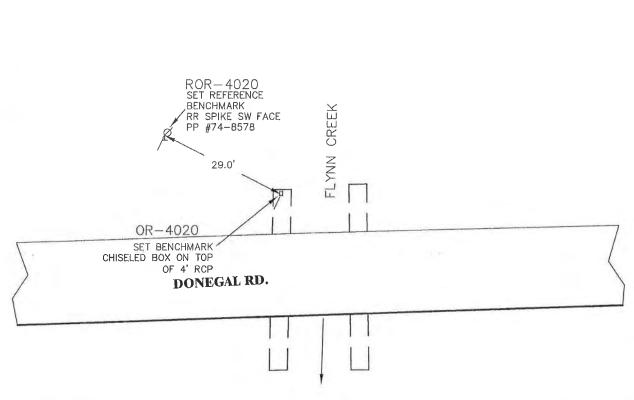
2004 YEAR: \_\_\_\_\_

NATIONAL GEODETIC VERTICAL DATUM OF 1929

L ACCURACY: \_

THIRD ORDER

CATION SKETCH:



DETAILED DESCRIPTION:

Structure No. 4020 is located about 0.15 mile E of the Northwest corner of Section 24, T 9 N, R 18 E.

RECOVERED BY: NATIONAL SURVEY & ENG.

DATE: 27 JANUARY 2004

FORM PREPARED BY SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

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SECTION 24 T. 9 N. R. 18 E. WASHINGTON

\_\_\_\_\_ COUNTY, WISCONSIN

BENCH MARK NO .: OR-4050

937.92 ELEVATION \_\_\_

REFERENCE BENCH MARK NO.: ROR-4050

938.10 ELEVATION \_\_\_\_

BM/RBM SET BY: NATIONAL SURVEY & ENGINEERING

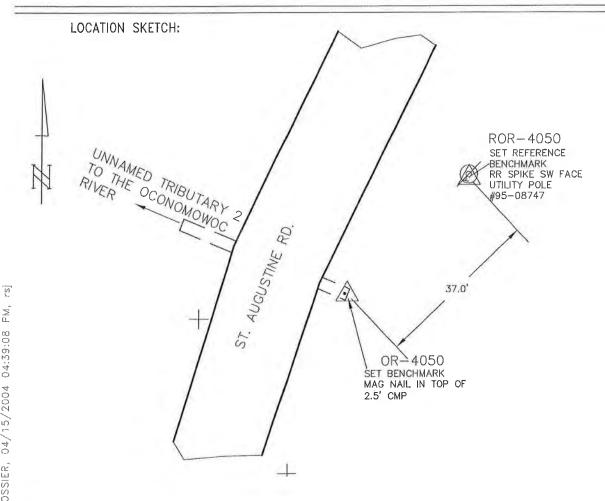
2004 YEAR: \_\_\_\_\_

BM CONTROL SURVEY BY: NATIONAL SURVEY & ENGINEERING

2004 YEAR:

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: \_\_\_THIRD ORDER



## DETAILED DESCRIPTION:

Structure No. 4050 is located about 0.3 mile W of the East quarter corner of Section 24, T 9 N, R 18 E.

RECOVERED BY: NATIONAL SURVEY & ENG.

DATE: 3 FEBRUARY 2004

SECTION 26 T. 9 N. R. 18 E.

WASHINGTON

\_\_ COUNTY, WISCONSIN

BENCH MARK NO .: OR-4000

ELEVATION.

953.97

REFERENCE BENCH MARK NO .: ROR-4000

ELEVATION

955.87

BM/RBM SET BY: NATIONAL SURVEY & ENGINEERING

YEAR: -

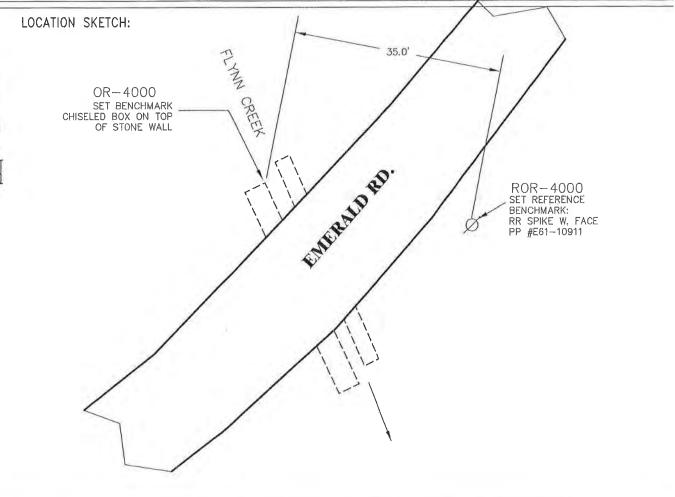
YEAR: \_\_

2004 2004

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY:

THIRD ORDER



## DETAILED DESCRIPTION:

Structure No. 4000 is located about 0.2 mile N and 0.15 mile E of the Southwest corner of Secvtion 26, T 9 N, R 18 E.

RECOVERED BY: NATIONAL SURVEY & ENG. DATE: 27 JANUARY 2004

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WASHINGTON SECTION 26 T. 9 N. R. 18 E. \_\_ COUNTY, WISCONSIN BENCH MARK NO .: OR-4005 957.40 ELEVATION \_ 962.03 REFERENCE BENCH MARK NO .: ROR-4005 ELEVATION \_\_\_ 2004 BM/RBM SET BY: NATIONAL SURVEY & ENGINEERING YEAR: \_\_\_\_

2004

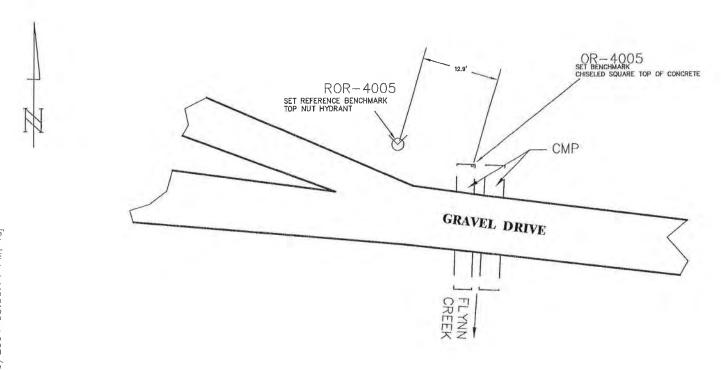
YEAR: \_\_\_\_\_

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

BM CONTROL SURVEY BY: NATIONAL SURVEY & ENGINEERING

THIRD ORDER CONTROL ACCURACY: \_\_

# LOCATION SKETCH:



## DETAILED DESCRIPTION:

Structure No. 4005 is located at the center of Section 26, T 9 N, R 18 E.

RECOVERED BY: NATIONAL SURVEY & ENG. DATE: 19 FEBRUARY 2004

SECTIO	/IV <u>~</u>
BENCH	MARK
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CECTION

26 T. 9 N. R. 18 E.

WASHINGTON

\_ COUNTY, WISCONSIN

NO.: \_\_\_

OR-4010

960.43 **ELEVATION** 

REFERENCE BENCH MARK NO.: ROR-4010

960.16 **ELEVATION** 

BM/RBM SET BY: NATIONAL SURVEY & ENGINEERING

2004 YEAR: \_

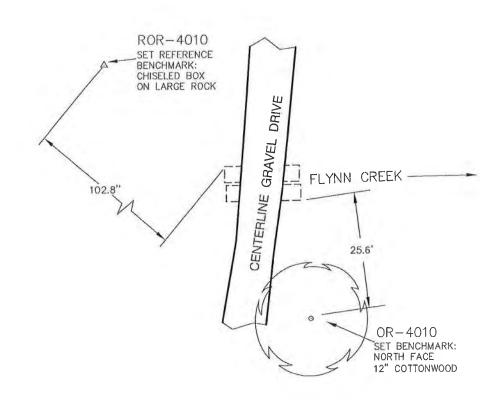
BM CONTROL SURVEY BY: NATIONAL SURVEY & ENGINEERING

2004 YEAR: \_\_\_\_\_

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929 CONTROL ACCURACY:

THIRD ORDER

LOCATION SKETCH:



#### DETAILED DESCRIPTION:

Structure No. 4010 is located about 0.1 mile W and 0.35 mile S of the North quarter corner of Section 26, T 9 N, R 18 E.

RECOVERED BY:

NATIONAL SURVEY & ENG.

19 FEBRUARY 2004

FORM PREPARED BY SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

TS.

SECTION 35 T. 9 N. R. 18 E.	WASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.: OR-L53	ELEVATION	938.92
REFERENCE BENCH MARK NO.:ROR-L53	ELEVATION	934.93
BM/RBM SET BY: NATIONAL SURVEY & ENGINEERING	YEAR:	2004
BM CONTROL SURVEY M: NATIONAL SURVEY & ENGINEER	ING YEAR:	2004

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIRD ORDER CONTROL ACCURACY:

LOCATION SKETCH:

SET BENCHMARK CHISELED BOX ON TOP OF CONCRETE PIER OR-L53

34.8

MAIN STEM OCONOMOWOC RIVER

STEEL BRIDGE SET REFERENCE

BENCHMARK: RR SPIKE W. FACE 13" COTTONWOOD ROR-L53

DETAILED DESCRIPTION:

Structure No. L-53 is located about 0.1 mile N and 0.3 mile E of the West quarter corner of Section 25, T 9 N, R 18 E.

RECOVERED BY: NATIONAL SURVEY & ENG.

DATE: 23 FEBRUARY 2004

RECORD OF VERTICAL C	ONTROL STATION		
SECTION 22 T. 10 N. R. 18 E.	WASHINGTON	COUNTY, WISCONSIN	
BENCH MARK NAME: HARTFORD C GPS	ELEVATION:	1009.886	
BM SET BY: WisDOT	YEAR:	1999	
BM CONTROL SURVEY BY:AERO-METRIC, INC.	YEAR:	2003	
DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929			
CONTROL ACCURACY: SECOND ORDER, CLASS II			
LOCATION SKETCH:			
N 6 PP	HARTFORD C GP	PIKE LAKE DRIVE (DEAD END)	

**DETAILED DESCRIPTION:** 

 $\ensuremath{\mathsf{HARTFORD}}$  C GPS is a concrete monument with WisDOT brass cap.

RECOVERED BY: SEWRPC DATE: 8 JANUARY 2004

 SECTION
 22
 T.
 10
 N.
 R.
 18
 E.
 WASHINGTON
 COUNTY, WISCONSIN

 BENCH MARK NO.:
 623
 ELEVATION:
 1000.990

 REFERENCE BENCH MARK NO.:
 REF. 623
 ELEVATION:
 1007.344

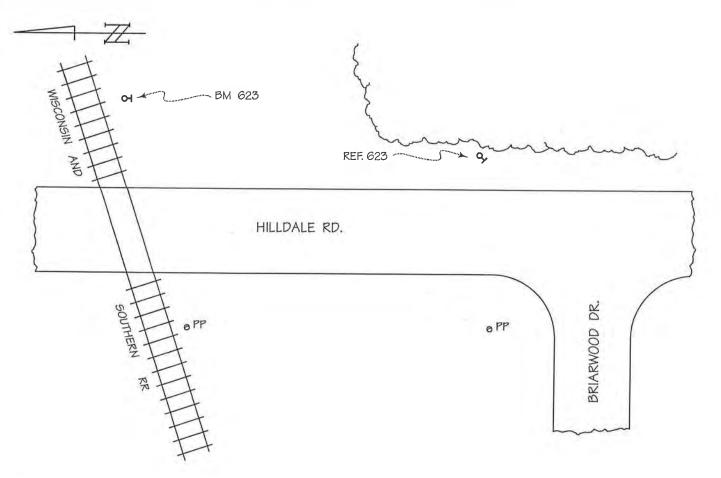
 BM / RBM SET BY:
 AERO-METRIC, INC. / SEWRPC
 YEAR:
 2003/2004

 BM / RBM CONTROL SURVEY BY:
 AERO-METRIC, INC./SEWRPC
 YEAR:
 2003/2004

 DATUM:
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

 CONTROL ACCURACY:
 SECOND ORDER, CLASS II

#### LOCATION SKETCH:



# **DETAILED DESCRIPTION:**

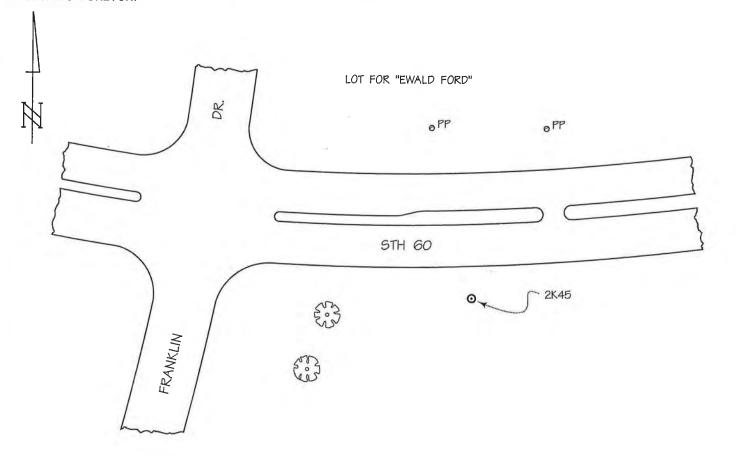
Benchmark 623 is a railroad spike set in the south face of power pole No. 80-10957, 0.5 ft. above grade.

REF. 623 is a railroad spike set in the southwest face of power pole No. 2104, 1.0 ft. above grade.

RECOVERED BY: SEWRPC DATE: 21 JANUARY 2004

SECTION 23 T.	<u>10</u> N. R. <u>18</u> E	WASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.:	2K45	ELEVATION:	1021.870
BM SET BY:	WisDOT	YEAR:	1999
BM CONTROL SURVEY BY	:AERO-METRIC, INC.	YEAR:	2003
DATUM: NATIONAL GEO	DETIC VERTICAL DATUM OF 1929		
CONTROL ACCURACY:	SECOND ORDER, CLASS II		

## LOCATION SKETCH:



# DETAILED DESCRIPTION:

Benchmark 2K45 is a concrete monument with WisDOT brass cap.

RECOVERED BY: \_\_\_\_\_\_ DATE: \_\_\_\_\_ 10 FEBRUARY 2004

FORM PREPARED BY SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION

SECTION <u>24</u> T. <u>10</u> N. R. <u>18</u> E.

\_\_\_\_\_ WASHINGTON COUNTY, WISCONSIN

BENCH MARK NO.: 2K46 ELEVATION: 1062.715

BM SET BY: WisDOT

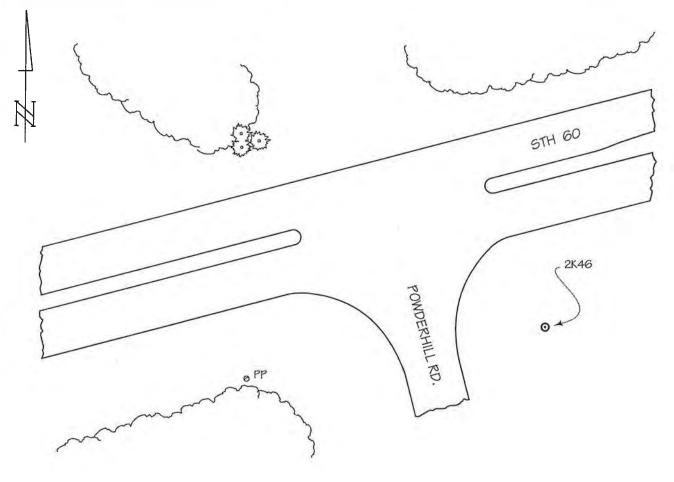
YEAR: \_\_\_\_\_ 1999

BM CONTROL SURVEY BY: AERO-METRIC, INC. YEAR: 2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II

#### LOCATION SKETCH:



## **DETAILED DESCRIPTION:**

Benchmark 2K46 is a concrete monument with WisDOT brass cap.

RECOVERED BY: SEWRPC DATE: 10 FEBRUARY 2004

SECTION 27 T. 10 N. R. 18 E. WASHINGTON COUNTY, WISCONSIN BM SET BY: \_\_\_\_\_AERO-METRIC, INC. YEAR: \_\_\_\_\_\_ 2003 BM CONTROL SURVEY BY: \_\_\_\_AERO-METRIC, INC. YEAR: 2003 DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929 CONTROL ACCURACY: SECOND ORDER, CLASS II LOCATION SKETCH: 11/2 STORY FRAME HOUSE DR. MORNING GLORY BM 617 OLP HALL RD. oPP

## **DETAILED DESCRIPTION:**

Benchmark 617 is a chiseled cross set in the top of a hydrant nozzle, 2.7 ft. above grade.

RECOVERED BY: SEWRPC DATE: 5 FEBRUARY 2004

KECORD OF VERTICA	AL CONTROL STATION		
SECTION 27 T. 10 N. R. 18 E.	WASHINGTON	COUNTY, WISCONSIN	
BENCH MARK NO.: 618	ELEVATION:	1048.980	
BM SET BY: AERO-METRIC, INC.	YEAR:	2003	
BM CONTROL SURVEY BY:AERO-METRIC, INC.	YEAR:	2003	
DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929			
CONTROL ACCURACY: SECOND ORDER, CLASS II	_		
LOCATION SKETCH:			
	СТН К		
Menten montenten monten	BM 618 6PP	оРР	
EB		Z.	
		NOTTAN • Lb	
		AZ	
	Į		
DETAILED DESCRIPTION:			

RECOVERED BY: SEWRPC DATE: 5 FEBRUARY 2004

Benchmark 618 is a railroad spike set in the east face of a power pole (no number), 0.3 ft. above grade.

SECTION <u>28</u> T. <u>10</u> N. R. <u>18</u> E.	WASHINGTON	COUNTY, WISCONSIN
BENCH MARK NO.: 619	ELEVATION:	1009.884
BM SET BY: AERO-METRIC, INC.	YEAR:	2003
BM CONTROL SURVEY BY:AERO-METRIC, INC.	YEAR:	2003
DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929		
CONTROL ACCURACY: SECOND ORDER, CLASS II		
LOCATION SKETCH:		
<del></del>		
		1
		}
WHEELOCK AVE.		{
	BM 619	
	M W W	
BIT. PARKING LOT FOR	E. MONROE AVE.	
BIT. PARKING LOT FOR APARTMENT COMPLEX	MONI	
	ni	
·		

## **DETAILED DESCRIPTION:**

Benchmark 619 is a railroad spike set in the south face of power pole No. 1805, 0.4 ft. above grade.

RECOVERED BY: SEWRPC DATE: 8 JANUARY 2004

SECTION \_\_28 T. \_\_10 N. R. \_\_18 E. WASHINGTON COUNTY, WISCONSIN

BENCH MARK NO.: 622 ELEVATION: 1001.425

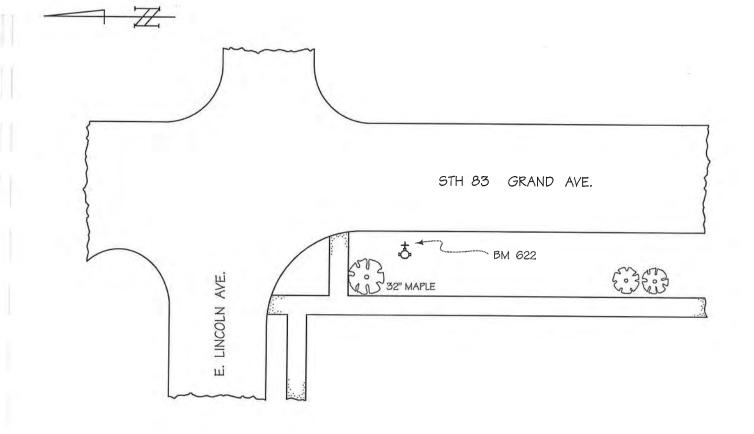
BM SET BY: AERO-METRIC, INC. YEAR: 2003

BM CONTROL SURVEY BY: AERO-METRIC, INC. YEAR: 2003

DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929

CONTROL ACCURACY: SECOND ORDER, CLASS II

LOCATION SKETCH:



# **DETAILED DESCRIPTION:**

Benchmark 622 is a chiseled cross set in the top of the east nozzle of a hydrant, 1.8 ft. above grade.

RECOVERED BY: \_\_\_\_\_ SEWRPC DATE: \_\_\_\_ 8 JANUARY 2004