

# PRE-CONSTRUCTION RECORD OF SURVEY

FOR WASHINGTON COUNTY PROJECT NO. 100170

LOCATED IN THE SOUTHWEST ONE-QUARTER OF SECTION 27,  
THE SOUTHEAST ONE-QUARTER OF SECTION 33, AND THE WEST ONE-HALF  
OF SECTION 34, TOWNSHIP 1 NORTH, RANGE 1 WEST, W.M.,  
WASHINGTON COUNTY, OREGON

JULY 12, 2011

## ABBREVIATIONS

- BC = BRASS CAP
- IP = IRON PIPE
- IR = IRON ROD
- PP = PARTITION PLAT
- SN = SURVEY NUMBER
- W/OPC = WITH ORANGE PLASTIC CAP
- W/RPC = WITH RED PLASTIC CAP
- W/YPC = WITH YELLOW PLASTIC CAP
- (M) = MEASURED
- (#) = MEASUREMENT PER REFERENCE

## REFERENCE PLATS

GROVES HEIGHTS, HICKETHIER PARK (14), HICKETHIER PARK  
NO. 2, JESTA HILLS, JESTA HILLS NO. 3, MAPLE HILL (3),  
MCGILL ACRES, MCDANIEL VILLAGE (2), MOOREFIELD (5),  
SAN MARINO PARK, SETTLEMENT PLACE, SPEAR ESTATE (6),  
THE BLUFFS PLAT NO. 1 (1), TUALAVUE (7),  
VALLEY HILLS (9), VAUGHAN'S COURT, WILLAMETTE RIDGE,  
PP 2002-034, PP 2003-051, PP 2005-004

## REFERENCE SURVEYS

SN4628, SN5814, SN5815, SN6472, SN8353, SN8668,  
SN8882, SN9216, SN9666, SN10096, SN10111, SN11113,  
SN11181, SN11294, SN13959, SN14890, SN15810,  
SN16723, SN17383, SN17479 (4), SN17934, SN18397,  
SN19018, SN21138, SN21364 (11), SN21770, SN23879,  
SN24570, SN25725 (10), SN27238, SN27727, SN28160,  
SN29166, SN29650, SN29867 (12), SN30073, SN30245,  
SN30467, SN30604, SN30801, SN30989, SN31026,  
SN31806 (8), SN31646

## DEDICATIONS - WASHINGTON COUNTY RECORDS

COUNTY ROADS A-95, B-95, 1055, 2000, 2446, BOOK  
841 PAGE 881, DOCUMENTS 81013668, 86031438,  
90-06146 (13), 92005583, 2001064426, 2006-014913,  
2010-006103, 2011-017531

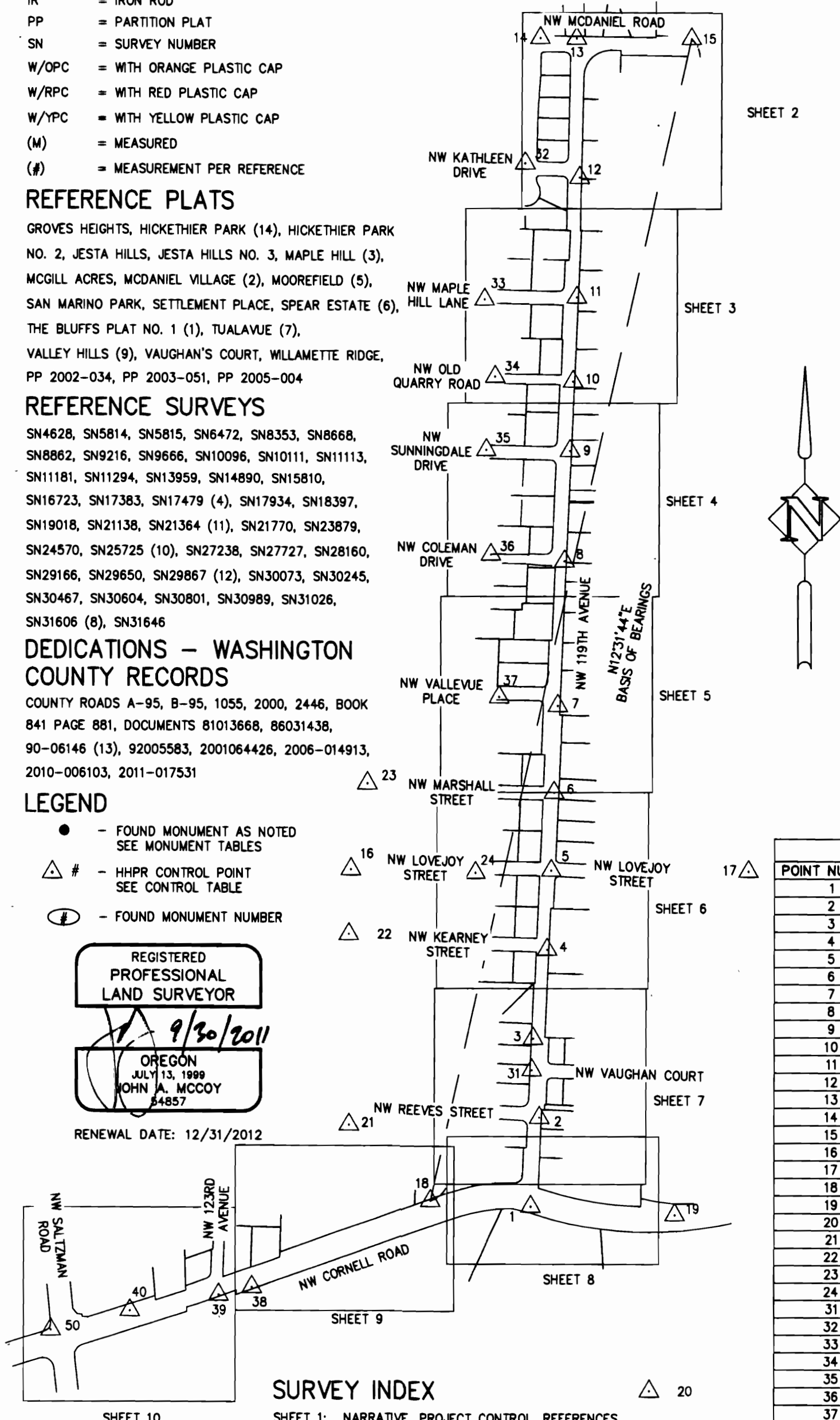
## LEGEND

- - FOUND MONUMENT AS NOTED  
SEE MONUMENT TABLES
- △ # - HHPR CONTROL POINT  
SEE CONTROL TABLE
- ① - FOUND MONUMENT NUMBER

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

9/30/2011  
OREGON  
JULY 13, 1999  
JOHN A. MCCOY  
64857

RENEWAL DATE: 12/31/2012



## SURVEY INDEX

- SHEET 1: NARRATIVE, PROJECT CONTROL, REFERENCES,  
LEGEND
- SHEETS 2 - 10: PLAN SHEETS

## NARRATIVE

### PURPOSE

THE PURPOSE OF THIS SURVEY IS TO MAKE RECORD OF FOUND SURVEY MONUMENTS THAT MAY BE SUBJECT TO REMOVAL, DESTRUCTION OR DISTURBANCE DURING CONSTRUCTION AS PART OF WASHINGTON COUNTY PROJECT NUMBER 100170 PURSUANT TO O.R.S. 209.155(B) WITH RESPECT TO THE CONTROLLING CENTERLINES AND CONTROL USED, AND DETERMINE THE RIGHT OF WAY LINES OF N.W. 119TH AVENUE AND N.W. CORNELL ROAD.

### BASIS OF BEARINGS

NORTH 12°31'44" EAST, IS AN OPUS (ONLINE POSITIONING USER SERVICE) DERIVED STATE PLANE BEARING BETWEEN HHPR CONTROL POINTS 18 AND 15.

### HORIZONTAL DATUM AND COORDINATES

HORIZONTAL COORDINATES ARE APPROXIMATE OREGON NORTH (ZONE 3601) STATE PLANE COORDINATES (GROUND DISTANCES). PER CONTRACT, STATE PLANE COORDINATES WERE COMPUTED AND SCALED DOWN TO MATCH GROUND MEASUREMENTS.

CONTROL POINTS 14, 15, 16, 17, 18, AND 20 WERE OCCUPIED WITH TOPCON GPS RECEIVERS. THE RESULTS OF THESE MEASUREMENTS WERE SCALED BY A CALCULATED COMBINED PROJECT SCALE FACTOR OF 0.999897805 TO CONVERT TO GROUND MEASUREMENTS. THE OPUS DERIVED STATE PLANE BEARING (GRID) BETWEEN POINTS 18 AND 15 WAS HELD. ALL POINTS WERE TRANSLATED, THUS ROTATED, SO THAT POINT 16 WAS AT ITS OPUS DERIVED STATE PLANE COORDINATE.

CONVENTIONAL TRAVERSING METHODS WERE THEN USED TO TIE THE GPS POINTS TOGETHER AND ESTABLISH PROJECT CONTROL. CONVENTIONAL TRAVERSE CONTROL WAS ADJUSTED TO THE GPS CONTROL UTILIZING STARNET LEAST SQUARES ADJUSTMENT SOFTWARE.

### VERTICAL DATUM

ELEVATION DATUM (PER CONTRACT) IS WASHINGTON COUNTY VERTICAL DATUM, WHICH IS APPROXIMATELY NGVD29 (PER THE NATIONAL GEODETIC SURVEY (NGS) NGVD29 IS A SUPERCEDED DATUM, SO ANY INFORMATION UTILIZING IT SHOULD BE CONSIDERED APPROXIMATE). COUNTY BENCHMARKS 69 (ELEVATION 282.30') AND 171 (ELEVATION 509.074') WERE HELD FOR THIS SURVEY. DIFFERENTIAL LEVEL LOOPS WERE MEASURED AND BALANCED BETWEEN SAID BENCH MARKS AND CONTROL POINTS 1 THROUGH 37.

### CENTERLINE OF N.W. CORNELL ROAD

THE CENTERLINE OF N.W. CORNELL ROAD (COUNTY ROAD A-95/B-95) WEST OF STATION 94+41.58 WAS HELD BETWEEN FOUND MONUMENTS 103, 336 AND 334. RECORD GEOMETRY OF SURVEY NUMBER 25725 WAS HELD EAST OF SAID STATION. SAID ROAD WAS ESTABLISHED AS 60.00 FEET WIDE IN 1901.

### CENTERLINE OF N.W. 119TH AVENUE

N.W. 119TH AVENUE WAS ESTABLISHED IN JUNE OF 1928 AS COUNTY ROAD 1055 HAVING A WIDTH OF 40.00 FEET FOR THIS PORTION OF THE ROAD NORTH OF N.W. CORNELL ROAD AND SOUTH OF N.W. MCDANIEL ROAD. THE CENTERLINE OF N.W. 119TH AVENUE WAS DETERMINED BY HOLDING FOUND MONUMENT 160 AS THE CENTERLINE INTERSECTION OF SAID N.W. 119TH WITH N.W. LOVEJOY STREET TO A POINT BETWEEN FOUND MONUMENTS 199 AND 235 WHICH LIES 24.00 FEET EAST OF FOUND MONUMENT 196. THIS LINE WAS PROLONGATED SOUTH TO INTERSECT THE CENTERLINE OF N.W. CORNELL ROAD. THIS SOLUTION WORKED VERY WELL WITH THE COMPUTED CORNELL ROAD CENTERLINE AT STATION 92+85.74 AND WAS HELD. FOUND MONUMENT 345 WAS BADLY BENT AND WAS NOT HELD. THE NOTES FOR SAID ROAD CENTERLINE TRAVEL NORTH FROM THE NORTH LINE N.W. CORNELL ROAD TO THE SOUTH LINE OF THE HASKELL TRACT OF LAND AND SUBSEQUENTLY TRAVELS WEST A DISTANCE OF 4.00 FEET. FOUND MONUMENTS 199 AND 235 WERE HELD TO DETERMINE THE DIRECTION OF THIS WESTERLY LINE. THE CENTERLINE NORTH OF THIS LINE WAS HELD 30.00 FEET EAST OF FOUND MONUMENTS 199 AND 216 AT THE SOUTHEAST CORNERS OF LOTS 2 AND 56 OF "THE BLUFFS PLAT NO. 1" RESPECTIVELY. THE 50' CURVE TO THE RIGHT HAVING A TANGENT LENGTH OF 114.2 FEET WAS CALCULATED AS HAVING A RADIUS OF 114.59 FEET. THIS RADIUS WAS HELD BETWEEN SAID LINE 30.00 FEET EAST OF SAID FOUND MONUMENTS 199 AND 216, AND A LINE 30.00 FEET SOUTH OF FOUND MONUMENTS 218 AND 223 AT THE SOUTHEAST CORNERS OF LOTS 54 AND 50 OF SAID "THE BLUFFS PLAT NO. 1". THE INTERSECTION OF SAID CURVE WITH SAID LINE 30.00 FEET SOUTH OF FOUND MONUMENTS 218 AND 223 MARKS THE END OF IMPROVEMENTS FOR SAID COUNTY PROJECT. THE POSITION OF THIS CENTERLINE WAS FURTHER CONFIRMED BY ITS RELATIONSHIP TO FOUND MONUMENTS 112, 116, 127, 157, 159, 180, 181, 200, 201, 235, 249, 315 AND 323 NEAR THE EAST 20.00 FOOT WIDE RIGHT OF WAY LINE.

### NORTH RIGHT OF WAY LINE OF N.W. CORNELL ROAD

THE NORTH RIGHT OF WAY LINE OF N.W. CORNELL ROAD WAS ESTABLISHED BY RETRACING SN25725. IMMEDIATELY WEST OF N.W. 119TH AVENUE THE ROAD WIDTH IS 49.00 FEET PER DEDICATION RECORDED AS DOCUMENT 90-06146 TO THE WEST BOUNDARY OF "HICKETHIER PARK". THIS DEDICATION FOLLOWS THE CENTERLINE DEPICTED ON SHEETS 8 AND 9 OF THIS SURVEY AND IS FURTHER DEPICTED ON SAID SN25725. THE RETRACED CENTERLINE PER SN25725 AND THE CENTERLINE USED IN SAID DOCUMENT 90-06146 JOIN ONE ANOTHER AT STATION

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	686592.80	7612810.98	277.03	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
2	686917.76	7612841.42	299.75	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
3	687205.38	7612819.16	325.75	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
4	687528.69	7612869.24	349.93	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
5	687814.53	7612883.77	369.50	SET MAGNETIC NAIL WITH WASHER INSCRIBED "HHPR CONTROL"
6	688097.45	7612893.12	397.18	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
7	688412.33	7612905.62	431.08	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
8	688939.24	7612929.22	470.45	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
9	689347.26	7612948.51	475.27	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
10	689602.29	7612958.68	482.42	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
11	689910.55	7612971.88	495.69	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
12	690347.15	7612980.75	521.07	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
13	690852.69	7612968.29	513.85	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
14	690854.24	7612835.80	506.21	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
15	690852.09	7613387.86	525.28	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
16	687816.27	7612153.52	377.53	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
17	687812.64	7613602.67	372.44	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
18	686613.37	7612445.90	284.19	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
19	686562.97	7613336.20	289.57	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
20	685916.10	7613244.09	323.52	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
21	686888.80	7612148.61	316.90	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
22	687582.48	7612148.83	355.79	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
23	688127.45	7612211.88	406.23	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
24	687806.68	7612607.72	376.41	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
31	687090.66	7612814.43	315.41	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
32	690398.83	7612782.68	529.39	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
33	689903.10	7612636.47	534.07	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
34	689620.12	7612675.80	512.03	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
35	689350.21	7612643.47	495.92	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
36	688963.87	7612661.73	480.23	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
37	688443.55	7612692.08	442.94	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
38	686291.85	7611795.36	300.33	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
39	686263.48	7611673.78	300.28	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
40	686204.86	7611350.69	293.66	SET MAGNETIC NAIL WITH WASHER INSCRIBED "HHPR CONTROL"
50	686134.39	7611061.81	288.01	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"

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1/10

## NARRATIVE - CONTINUED

85+60.31 DEPICTED ON SHEET 2 OF SN25725. THE EXCEPTION TO THIS WIDTH OF 49.00 FEET IS A SHORT SEGMENT AS DEDICATED PER THE PLAT OF SAID "HICKETHIER PARK". THAT PORTION SOUTH OF TRACTS 38 AND 39, "MCGILL ACRES" IS 30.00 FEET WIDE. THE EXCEPTION TO THIS WIDTH IS PER DEDICATION RECORDED AS DOCUMENT 86031438 WHICH DEDICATED AN ADDITIONAL 15.00 FEET TO N.W. CORNELL ROAD AND AN ADDITIONAL 5.00 FEET TO N.W. 123RD AVENUE. AS SHOWN, THE RIGHT OF WAY IS 45.00 FEET WIDE SOUTH OF PARTITION PLAT NO. 2002-034 PER DEDICATION RECORDED AS DOCUMENT 81013668, AND WIDENS FURTHER AT THE INTERSECTION WITH N.W. SALTZMAN ROAD PER DEDICATION RECORDED AS DOCUMENT 2010-006103.

### WEST RIGHT OF WAY LINE OF N.W. 119TH AVENUE

DURING THE PROCESS OF SUBSEQUENT SURVEYS, PLATS AND ROAD DEDICATIONS ALONG THE WEST RIGHT OF WAY LINE, I BELIEVE THAT AN ERROR MAY HAVE OCCURRED BY HOLDING THE IRON PIPE SET PER COUNTY ROAD 1055 AT STATION 35+34.3, 24 FEET LEFT OF CENTERLINE AT SAID HASKELL TRACT, AS BEING ON THE 20.00 FOOT RIGHT OF WAY LINE SOUTH OF SAID HASKELL TRACT. FOUND MONUMENTS FROM SEVERAL SURVEYS AND PLATS WERE FOUND TO BE FURTHER WEST BY 3 TO 5 FEET FROM CENTERLINE THAN THEY SHOULD BE.

THE WEST RIGHT OF WAY LINE OF N.W. 119TH AVENUE WAS HELD 20.00 FEET WEST OF THE ABOVE DESCRIBED CENTERLINE. THE EXCEPTION TO THIS ARE AS FOLLOWS:

THE ADDITIONAL 20.00 FOOT (LYING SOUTH OF LOT 50 "HICKETHIER PARK") AND 10.00 FOOT DEDICATION PER SAID "HICKETHIER PARK".

THE ADDITIONAL VARIABLE WIDTH DEDICATION PER "VALLEY HILLS". FOUND MONUMENT 156 AT THE SOUTHEAST CORNER OF LOT 8 BLOCK 6 AND FOUND MONUMENT 173 AT THE NORTHEAST CORNER OF LOT 8 BLOCK 9 OF SAID "VALLEY HILLS" WERE HELD TO DETERMINE THE POSITION OF THIS LINE. MONUMENT 156 WAS FOUND TO BE 25.91 FEET WEST OF CENTERLINE (24.42 FEET PER PLAT) AND MONUMENT 173 WAS FOUND TO BE 27.25 FEET WEST OF CENTERLINE (23.4 FEET PER PLAT).

FOUND MONUMENT 174 WAS HELD TO CONTROL THE ADDITIONAL DEDICATION PER DOCUMENT 2011-017531. THIS DEDICATION LIES NORTH OF SAID "VALLEY HILLS" AND SOUTH OF N.W. VALLEVUE PLACE AND DEPICTS A 17.00 FOOT WIDE DEDICATION FOR A WIDTH OF 37.00 FEET WEST OF CENTERLINE. FOUND MONUMENT 174 WAS FOUND TO LIE 40.83 FEET WEST OF CENTERLINE.

FOUND MONUMENT 252 AT THE NORTHEAST CORNER OF LOT 8, "TUALAVUE" AND FOUND MONUMENT 247 AT THE EASTERLY SOUTHEAST CORNER OF LOT 7, "TUALAVUE" WERE HELD TO DETERMINE THE POSITION OF THE RIGHT OF WAY LINE AS DEDICATED BY SAID "TUALAVUE". THIS DEDICATION IS DEPICTED AT 9.6 FEET ON SAID PLAT TO BE A ROAD WIDTH OF 26.2 FEET WEST OF SAID CENTERLINE. MONUMENT 252 WAS FOUND TO BE 29.94 FEET WEST OF CENTERLINE AND MONUMENT 247 WAS FOUND TO BE 29.57 FEET WEST OF CENTERLINE.

FOUND MONUMENT 188 WAS HELD TO CONTROL THE POSITION OF THE DEDICATIONS PER "SPEAR ESTATE" AND DOCUMENT NO. 2001064426. MONUMENT 188 WAS FOUND TO BE 33.60 FEET WEST OF CENTERLINE, (33.00 FEET PER SAID "SPEAR ESTATE" AND DOCUMENT NO. 2001064426).

THIS WIDTH OF 33.60 FEET WAS ALSO HELD AS THE WEST RIGHT OF WAY LINE AS DEDICATED BY THE PLAT OF "MOOREFIELD". THE PLAT OF SAID "MOOREFIELD" DEPICTS A 30.00 FOOT DEDICATION, HOWEVER THE WIDTH OF 33.60 FEET MEASURED WITHIN 0.10 FOOT OF THE EAST-WEST POSITIONS OF FOUND MONUMENTS 191, 193, 194 AND 195 AND WAS HELD.

RIGHT OF WAY WIDTHS OF 30.26 FEET AND 34.82 FEET WERE HELD NORTH OF N.W. OLD QUARRY ROAD AND SOUTH OF N.W. MAPLE HILL LANE. RECORD GEOMETRY PER SN17479 WAS ANCHORED AT FOUND MONUMENT 202 AND ROTATED TO FOUND MONUMENT 204. THIS SURVEY DEPICTS THE POSITION OF MONUMENT 202 AS 30.00 FEET WEST OF CENTERLINE. MONUMENT 202 WAS FOUND TO BE 34.82 FEET WEST OF CENTERLINE AND MEASURED WELL TO MONUMENT 204 WHEN COMPARED TO RECORD. FOUND MONUMENT 243 DID NOT MEASURE WELL WITH COMPUTED MEASUREMENTS TO MONUMENTS 195, 202 AND 204 AND WAS NOT HELD. THE ROAD DEDICATION OF 5.64 FEET AND 10 FEET AS DEPICTED ON SAID SN17479 WAS DETERMINED TO BE PER DOCUMENT 77-20610.

FOUND MONUMENT 238 WAS HELD TO DETERMINE THE POSITION OF THE ADDITIONAL DEDICATION PER "MAPLE HILL". SAID "MAPLE HILL" DEPICTS AN ADDITIONAL DEDICATION OF 10.00 FEET. MONUMENT 238 WAS FOUND TO BE 34.23 FEET WEST OF CENTERLINE. SAID MONUMENT 238 ALSO MEASURED WELL TO FOUND MONUMENTS 202, 203 AND 239 WHEN COMPARED TO RECORD.

LYING NORTH OF SAID HASKELL TRACT IS ALSO THE ADDITIONAL 10.00 FEET OF DEDICATION TO THE WEST RIGHT OF WAY OF SAID N.W. 119TH AVENUE AND THE ADDITIONAL 10.00 FEET OF DEDICATION TO THE NORTH RIGHT OF WAY OF N.W. MCDANIEL ROAD PER "THE BLUFFS PLAT NO. 1".

### EAST RIGHT OF WAY LINE OF N.W. 119TH AVENUE

THE EAST RIGHT OF WAY LINE OF N.W. 119TH AVENUE WAS HELD 20.00 FEET EAST OF THE ABOVE DESCRIBED CENTERLINE. THE EXCEPTION TO THIS ARE THE 10.00 FOOT ADDITIONAL DEDICATION PER "SETTLEMENT PLACE", THE 15.00 FOOT ADDITIONAL DEDICATION PER "VAUGHAN'S COURT", THE ADDITIONAL 10.00 FOOT DEDICATIONS PER "JESTA HILLS", "JESTA HILLS NO. 3" AND "SAN MARINO PARK", AND THE ADDITIONAL 17.00 FOOT DEDICATION TO THE SOUTH RIGHT OF WAY OF N.W. MCDANIEL ROAD PER "MCDANIEL VILLAGE".

### ADJACENT STREETS

THE CENTERLINES OF ADJACENT STREETS WERE DETERMINED AS FOLLOWS: N.W. 123RD AVENUE, HELD MONUMENT 327 AT 20.00 FEET WEST OF CENTERLINE AND HELD RECORD ANGLE PER SN21364 AT N.W. CORNELL ROAD; N.W. REEVES STREET, HELD FOUND MONUMENT 117 AND 150 ON NORTH RIGHT OF WAY LINE, AND HELD RECORD PLAT STREET WIDTH AND CURVE RADIUS; N.W. VAUGHAN COURT, HELD FOUND MONUMENT 347 FOR NORTH-SOUTH POSITION AND HELD RECORD PLAT STREET WIDTH AND CURVE RADIUS; N.W. KEARNEY STREET, N.W. LOVEJOY STREET (WEST), N.W. MARSHALL STREET, HELD PROPORTIONED POSITIONS BETWEEN FOUND MONUMENTS 156 AND 173 AND HELD FOUND MONUMENT 161, HELD PROPORTIONED POSITIONS BETWEEN FOUND MONUMENTS 158 AND 171 TO DETERMINE DIRECTION OF CENTERLINES, HELD 25.00 FEET NORTH OF SAID MONUMENT 171 FOR CENTERLINE OF N.W. MARSHALL STREET; N.W. LOVEJOY STREET (EAST), HELD FOUND MONUMENT 160, HELD RECORD PLAT ANGLE AT CENTERLINE, ROAD WIDTH AND RADIUS; N.W. VALLEVUE PLACE, HELD FOUND MONUMENT 177 TO A POINT 50.00 FEET SOUTH OF FOUND MONUMENT 178, HELD RECORD CURVE RADIUS; N.W. COLEMAN DRIVE, HELD RECORD PLAT GEOMETRY ANCHORED AT FOUND MONUMENT 226 ROTATED THROUGH FOUND MONUMENT 227 WITH CENTERLINE PASSING THROUGH FOUND MONUMENT 185; N.W. SUNNINGDALE DRIVE, HELD FOUND MONUMENTS 190 AND 193, RECORD PLAT ROAD WIDTH AND CURVE RADIUS; N.W. OLD QUARRY ROAD, HELD FOUND MONUMENT 195 AND RECORD PLAT ANGLE; N.W. MAPLE HILL LANE, HELD FOUND MONUMENTS 203 AND 239, RECORD PLAT ROAD WIDTH AND CURVE RADIUS; N.W. KATHLEEN DRIVE, HELD FOUND MONUMENTS 209 AND 210, RECORD PLAT ROAD WIDTH AND CURVE RADIUS.

WASHINGTON COUNTY  
SURVEYOR'S OFFICE  
ACCEPTED FOR FILING  
10-6-11

0 200 400 800  
SCALE: 1" = 400'

Harper  
Houf Peterson  
Righellis Inc.

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SHEET 1 OF 10 09/30/2011 WAS-20

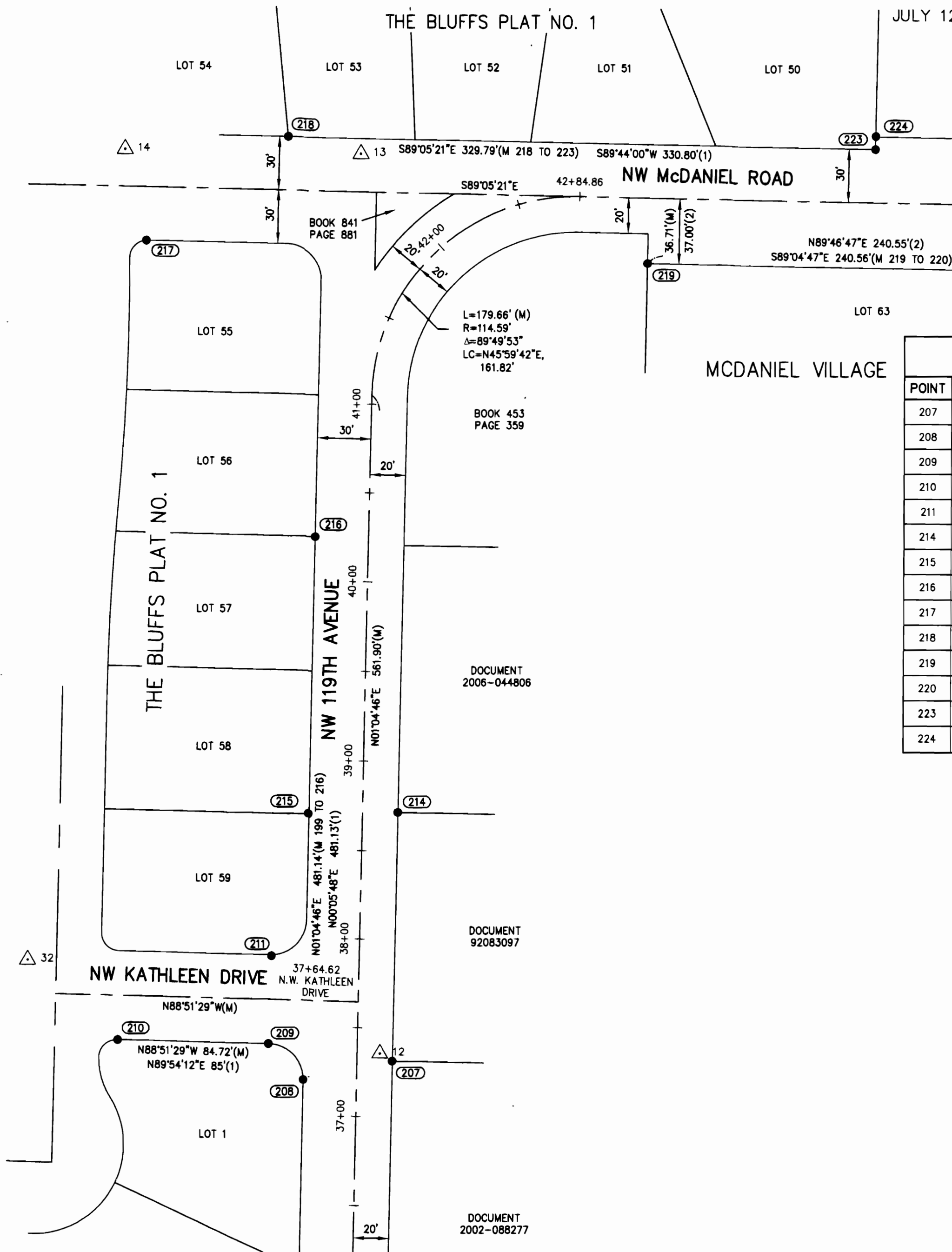


# PRE-CONSTRUCTION RECORD OF SURVEY

FOR WASHINGTON COUNTY PROJECT NO. 100170  
 LOCATED IN THE SOUTHWEST ONE-QUARTER OF OF SECTION 27, THE SOUTHEAST  
 ONE-QUARTER OF SECTION 33, AND THE WEST ONE-HALF OF SECTION 34,  
 TOWNSHIP 1 NORTH, RANGE 1 WEST, W.M., WASHINGTON COUNTY, OREGON

31682  
 2/10

JULY 12, 2011



SEE SHEET 3

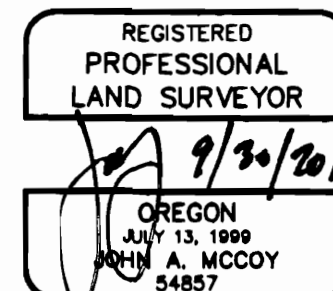
A NEGATIVE OFFSET INDICATES OFFSET LEFT OF CENTERLINE  
 N/A - BEYOND CALCULATED CENTERLINE STATIONS

FOUND MONUMENT TABLE

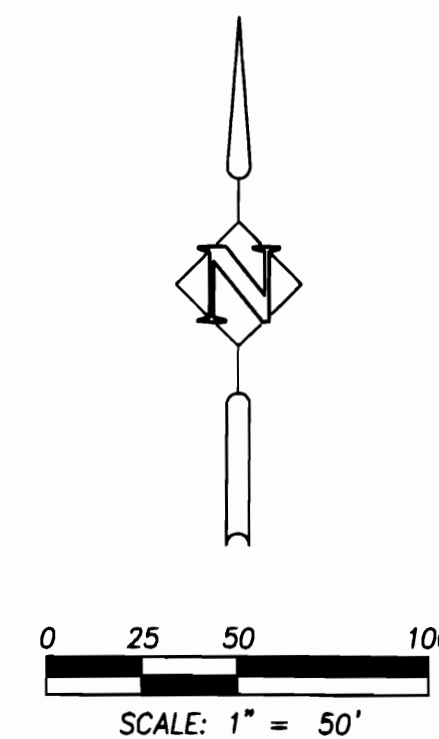
POINT	NORTHING	EASTING	DESCRIPTION	ORIGIN	STATION	OFFSET
207	690336.311	7612990.152	FD 5/8" IR W/YPC INSCRIBED "BANCROFT PLS 1124", DOWN 0.3' UNDER WATER METER	SN21138	37+31.51	19.85
208	690331.958	7612937.691	FD 1/2" IR, NO CAP, DOWN 1.2'	"THE BLUFFS PLAT NO. 1"	37+19.70	-29.96
209	690352.305	7612918.057	FD BENT 5/8" IR, NO CAP, TIED AT BEND DOWN 1', HELD	"THE BLUFFS PLAT NO. 1"	37+39.68	-49.98
210	690353.993	7612833.357	FD BENT 5/8" IR, NO CAP, TIED AT BEND DOWN 1', HELD	"THE BLUFFS PLAT NO. 1"	37+39.77	-134.69
211	690401.735	7612919.681	FD 5/8" IR, NO CAP, DOWN 0.7'	"THE BLUFFS PLAT NO. 1"	37+89.13	-49.28
214	690489.012	7612993.512	5/8" IR W/YPC INSCRIBED "BANCROFT PLS 1124", UP 1', AGAINST POWER POLE	SN21138	38+71.81	19.89
215	690482.182	7612940.052	FD 1/2" IR, NO CAP	"THE BLUFFS PLAT NO. 1"	38+69.94	-30.43
216	690636.766	7612943.396	FD 1/2" IR, NO CAP, DOWN 0.7', HELD	"THE BLUFFS PLAT NO. 1"	40+24.56	-30.00
217	690803.074	7612847.881	FD 5/8" IR, NO CAP	"THE BLUFFS PLAT NO. 1"	41+43.24	-142.68
218	690861.853	7612927.395	FD 1/2" IR, NO CAP, HELD	"THE BLUFFS PLAT NO. 1"	41+87.53	-104.35
219	690791.920	7613129.378	FD 5/8" IR W/YPC INSCRIBED "ALPHA ENG. INC.", UP 0.2'	"MCDANIEL VILLAGE"	N/A	N/A
220	690788.057	7613369.902	FD BENT 5/8" IR, MANGLED CAP, UP 0.6'	"MCDANIEL VILLAGE"	N/A	N/A
223	690856.611	7613257.148	FD 1/2" IR, NO CAP, UP 0.2', HELD	"THE BLUFFS PLAT NO. 1"	N/A	N/A
224	690863.890	7613257.328	FD 5/8" IR W/OPC INSCRIBED "HHPR INC"	SN30801	N/A	N/A

SURVEY CONTROL TABLE - PROJECT GROUND COORDINATES

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
12	690347.15	7612980.75	521.07	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
13	690852.69	7612968.29	513.85	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
14	690854.24	7612835.80	506.21	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
15	690852.09	7613387.86	525.28	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
32	690398.83	7612782.68	529.39	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"



RENEWAL DATE: 12/31/2012



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 205 SE Spokane Street, Suite 200, Portland, OR 97202  
 phone: 503.221.1131 www.hhpr.com fax: 503.221.1171

**PRE-CONSTRUCTION RECORD OF SURVEY** 31682  
 FOR WASHINGTON COUNTY PROJECT NO. 100170 3/10  
 LOCATED IN THE SOUTHWEST ONE-QUARTER OF OF SECTION 27, THE SOUTHEAST  
 ONE-QUARTER OF SECTION 33, AND THE WEST ONE-HALF OF SECTION 34,  
 TOWNSHIP 1 NORTH, RANGE 1 WEST, W.M., WASHINGTON COUNTY, OREGON  
 JULY 12, 2011

SEE SHEET 2

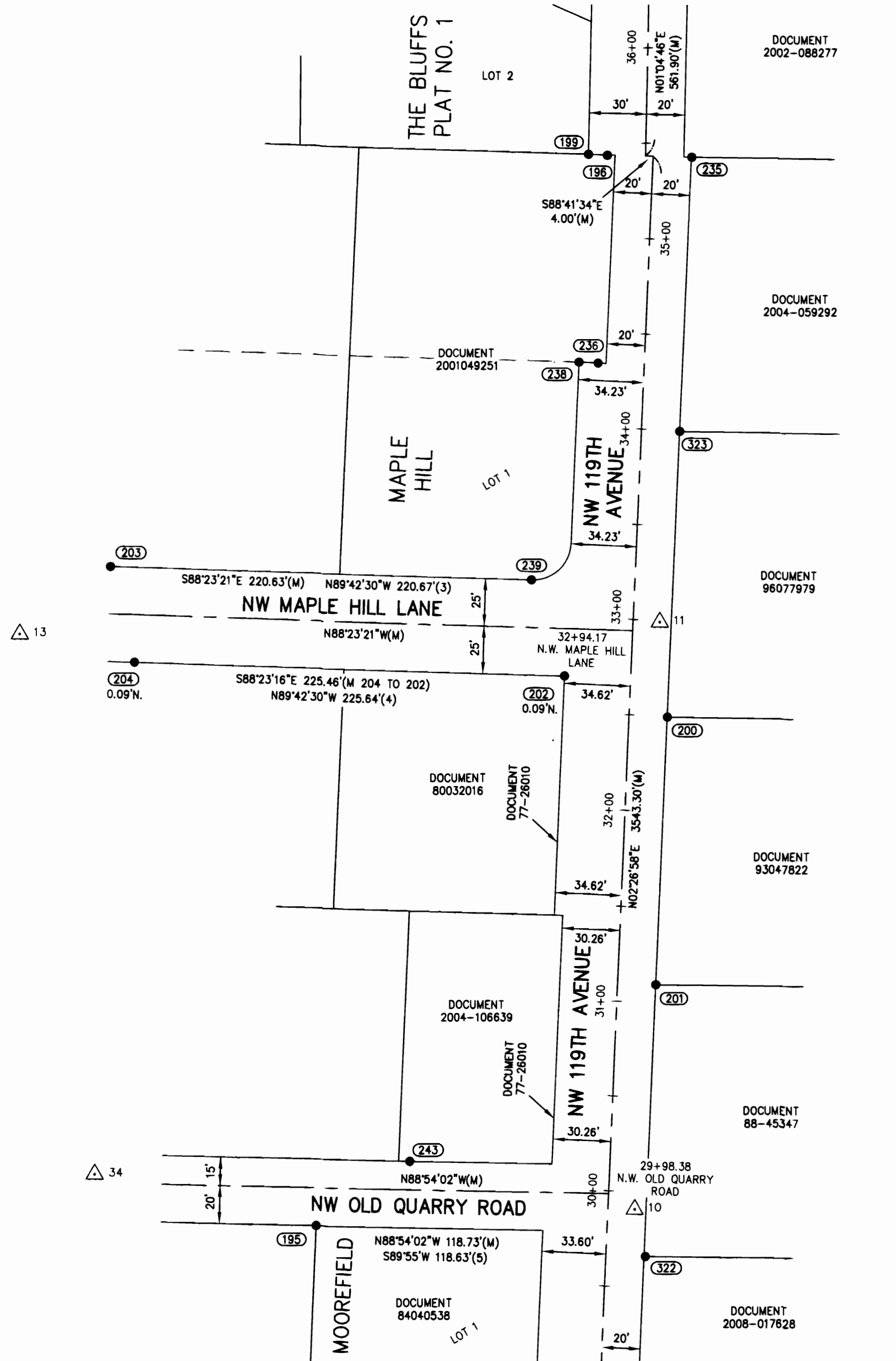
A NEGATIVE OFFSET INDICATES OFFSET LEFT OF CENTERLINE

**FOUND MONUMENT TABLE**

POINT	NORTHING	EASTING	DESCRIPTION	ORIGIN	STATION	OFFSET
195	689593.443	7612791.870	FD 5/8" IR, NO CAP, DOWN 0.3', HELD	"MOOREFIELD"	29+74.79	-152.29
196	690155.276	7612944.317	FD 3/4" IP, NO CAP, DOWN 0.3', HELD	COUNTY ROAD 1055	35+42.62	-24.00
199	690155.707	7612934.332	FD 5/8" IR, NO CAP, HELD	"THE BLUFFS PLAT NO. 1"	35+43.42	-30.00
200	689860.702	7612975.873	FD 5/8" IR, NO CAP, DOWN 0.2'	SN4628	32+49.66	20.12
201	689720.942	7612969.826	FD 5/8" IR, NO CAP, DOWN 1.3'	SN4628	31+09.77	20.05
202	689882.110	7612922.005	FD 1/2" IR, NO CAP, DOWN 0.8', HELD	"MAPLE HILL"	32+68.75	-34.62
203	689938.733	7612684.075	FD 5/8" IR, NO CAP, HELD	"MAPLE HILL"	33+15.15	-274.75
204	689888.453	7612696.632	FD 5/8" IR, NO CAP	SN17479	32+65.46	-260.06
235	690154.471	7612988.509	FD 3/4" IP, NO CAP, DOWN 0.3'	COUNTY ROAD 1055	35+43.30	20.19
236	690046.271	7612939.399	FD 5/8" IR, NO CAP, DOWN 0.2', HELD	SN14890	34+33.51	-24.25
238	690046.724	7612929.433	FD 5/8" IR, NO CAP, DOWN 0.9', HELD	"MAPLE HILL"	34+33.53	-34.23
239	689932.531	7612904.614	FD PK NAIL, HELD	ORIGIN UNKNOWN	33+18.38	-54.15
243	689627.571	7612840.941	FD 5/8" IR, NO CAP, DOWN 0.6'	SN17479	30+10.98	-104.73
322	689571.597	7612967.401	FD 1" IP, NO CAP, DOWN 0.6'	SN5814	29+66.35	20.72
323	690010.585	7612982.257	FD 5/8" IR, NO CAP	SN4628	33+99.68	20.09

**SURVEY CONTROL TABLE - PROJECT GROUND COORDINATES**

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	689602.29	7612958.68	482.42	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
11	689910.55	7612971.88	495.69	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
13	690852.69	7612968.29	513.85	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
34	689620.12	7612675.80	512.03	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"

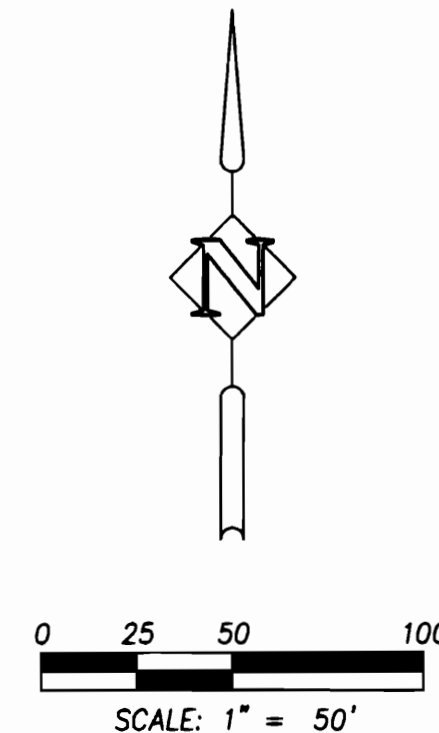


SEE SHEET 4

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

9/30/2011  
 OREGON  
 JULY 13, 1999  
 JOHN A. MCCOY  
 #4857

RENEWAL DATE: 12/31/2012



**Harper Houf Peterson Righellis Inc.**

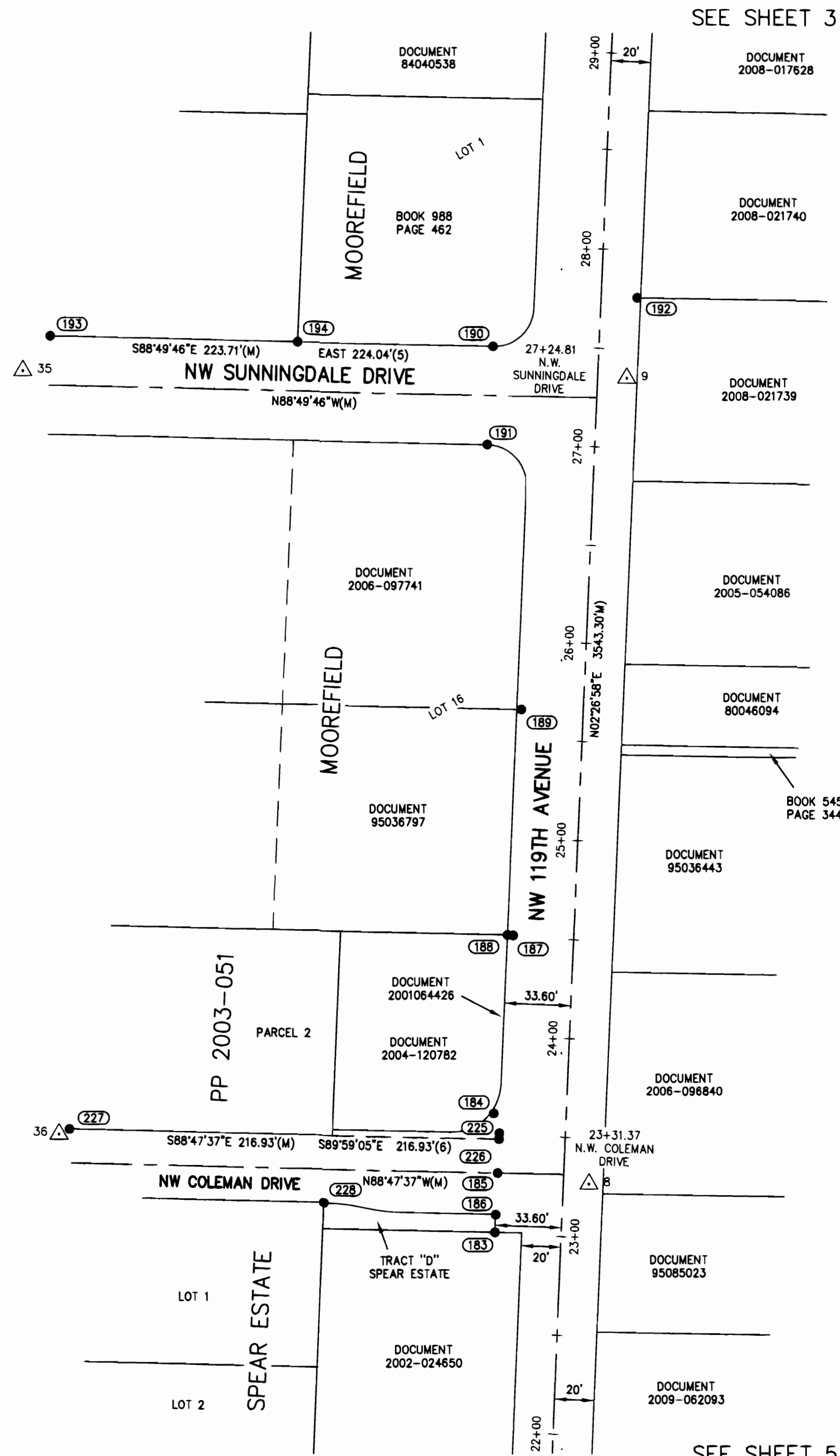
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 phone: 503.221.1131 www.hhpr.com fax: 503.221.1171

**PRE-CONSTRUCTION RECORD OF SURVEY** 31682  
 FOR WASHINGTON COUNTY PROJECT NO. 100170 4/10  
 LOCATED IN THE SOUTHWEST ONE-QUARTER OF OF SECTION 27, THE SOUTHEAST  
 ONE-QUARTER OF SECTION 33, AND THE WEST ONE-HALF OF SECTION 34,  
 TOWNSHIP 1 NORTH, RANGE 1 WEST, W.M., WASHINGTON COUNTY, OREGON  
 JULY 12, 2011

A NEGATIVE OFFSET INDICATES OFFSET LEFT OF CENTERLINE

FOUND MONUMENT TABLE						
POINT	NORTHING	EASTING	DESCRIPTION	ORIGIN	STATION	OFFSET
183	688914.884	7612881.764	FD 5/8" IR W/RPC INSCRIBED "CENTERLINE CONCEPTS INC"	"SPEAR ESTATE"	23+00.69	-33.48
184	688974.890	7612881.231	FD 5/8", UP 1'	ORIGIN UNKNOWN	23+60.62	-36.58
185	688944.809	7612883.119	FD 2" ALUMINUM CAP INSCRIBED "CENTERLINE CONCEPTS INC", FLUSH IN PAVEMENT	"SPEAR ESTATE"	23+30.64	-33.41
186	688923.769	7612882.140	FD 5/8" IR W/RPC, ILLEGIBLE, FLUSH IN PAVEMENT	"SPEAR ESTATE"	23+09.58	-33.49
187	689064.808	7612891.093	FD 5/8" IR, NO CAP, UP 0.3'	SN9666	24+50.87	-30.57
188	689065.034	7612888.071	FD BENT 1" IP, NO CAP, DOWN 0.5', HELD	"MOOREFIELD"	24+50.97	-33.60
189	689178.798	7612895.227	FD BENT 5/8" IR, NO CAP, TIED AT BEND DOWN 0.5'	SN9666	25+64.94	-31.31
190	689363.263	7612881.002	FD BENT 1/2" IR, NO CAP, DOWN 0.3'	"MOOREFIELD"	27+48.63	-53.41
191	689313.454	7612878.090	FD 3/4" IP, NO CAP, DOWN 0.8'	"MOOREFIELD"	26+98.74	-54.19
192	689387.745	7612953.684	FD 1-1/4" IP, NO CAP, DOWN 0.8'	ORIGIN UNKNOWN	27+76.19	18.16
193	689367.833	7612657.343	FD 1/2" IP, NO CAP	"MOOREFIELD"	27+43.63	-277.06
194	689365.248	7612782.246	FD 5/8" IR, NO CAP, DOWN 0.2'	"MOOREFIELD"	27+46.39	-152.16
225	688964.829	7612884.016	FD BS WITH 3/4" WASHER INSCRIBED "CCI LS2276"	"SPEAR ESTATE"	23+50.68	-33.37
226	688961.838	7612883.848	FD BS WITH 3/4" WASHER INSCRIBED "CCI LS2276"	"SPEAR ESTATE"	23+47.69	-33.41
227	688966.406	7612666.970	FD BS WITH 3/4" WASHER INSCRIBED "CENTERLINE CONCEPTS"	"SPEAR ESTATE"	23+42.98	-250.28
228	688929.690	7612795.488	FD BS WITH 3/4" WASHER INSCRIBED "CENTERLINE CONCEPTS"	"SPEAR ESTATE"	23+11.79	-120.31

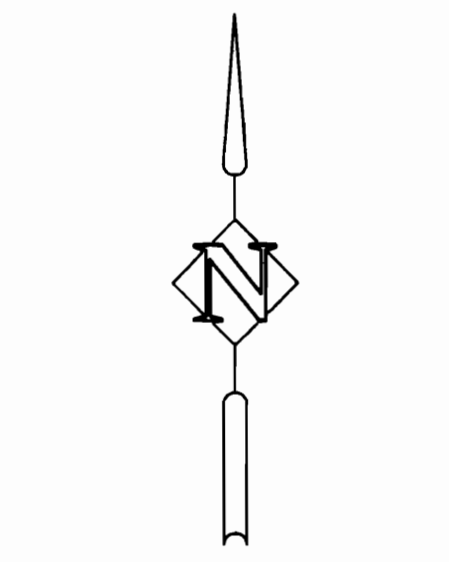
SURVEY CONTROL TABLE - PROJECT GROUND COORDINATES					
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION	
8	688939.24	7612929.22	470.45	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"	
9	689347.26	7612948.51	475.27	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"	
35	689350.21	7612643.47	495.92	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"	
36	688963.87	7612681.73	480.23	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"	



REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

OREGON  
JULY 13, 1989  
JOHN A. MCCOY  
54857

RENEWAL DATE: 12/31/2012



SCALE: 1" = 50'

**HHPR** Harper Houf Peterson Righellis Inc.

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**PRE-CONSTRUCTION RECORD OF SURVEY**  
 FOR WASHINGTON COUNTY PROJECT NO. 100170  
 LOCATED IN THE SOUTHWEST ONE-QUARTER OF SECTION 27, THE SOUTHEAST  
 ONE-QUARTER OF SECTION 33, AND THE WEST ONE-HALF OF SECTION 34,  
 TOWNSHIP 1 NORTH, RANGE 1 WEST, W.M., WASHINGTON COUNTY, OREGON

31682  
5/10

JULY 12, 2011

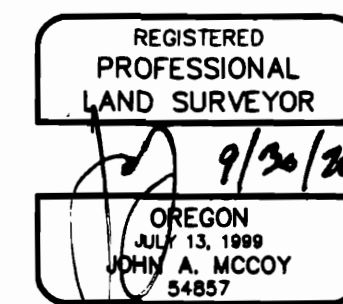
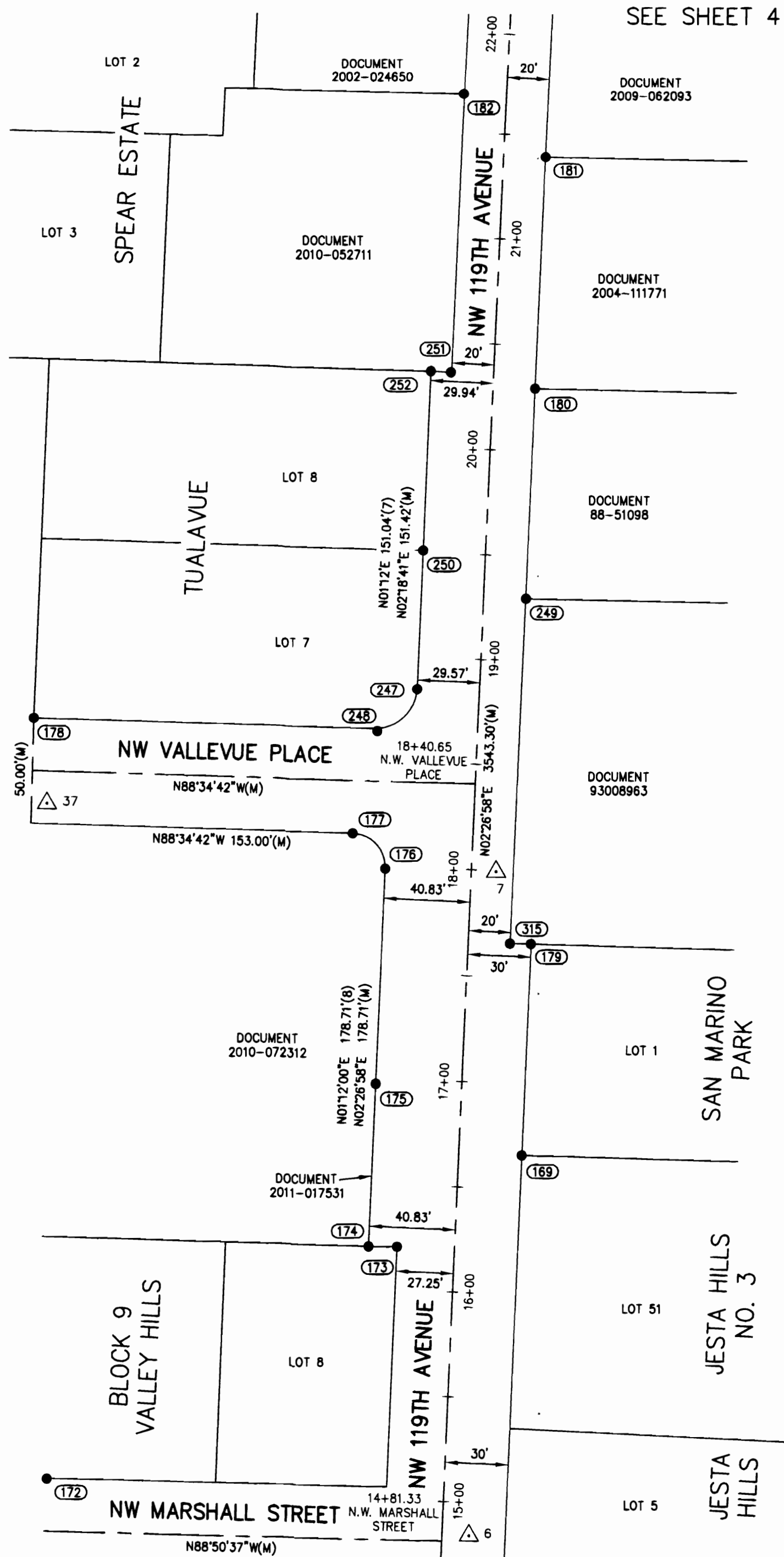
A NEGATIVE OFFSET INDICATES OFFSET LEFT OF CENTERLINE

**FOUND MONUMENT TABLE**

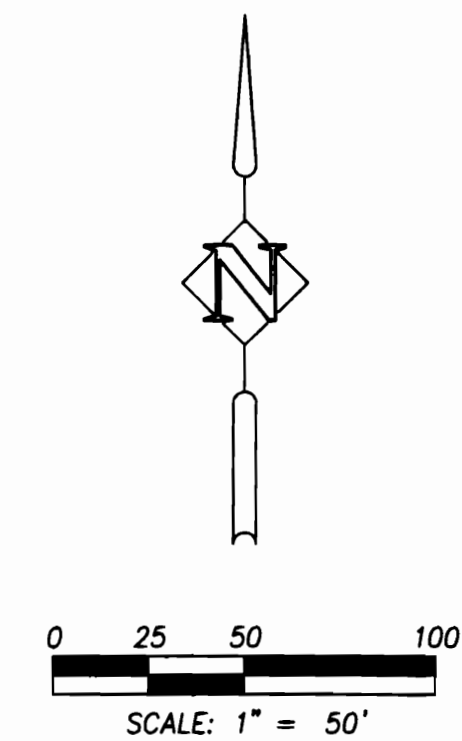
POINT	NORTHING	EASTING	DESCRIPTION	ORIGIN	STATION	OFFSET
169	688278.302	7612917.981	FD 5/8" IR W/YPC INSCRIBED "CASWELL PLS 737", DOWN 0.2' IN CONCRETE FENCE FOOTING	"JESTA HILLS NO. 3"	16+66.24	29.91
172	688123.572	7612692.534	FD 5/8" IR, NO CAP, DOWN 0.3'	"VALLEY HILLS"	15+02.01	-188.72
173	688234.900	7612858.914	FD 5/8" IR, NO CAP, UP 0.3', HELD	"VALLEY HILLS"	16+20.35	-27.25
174	688235.039	7612845.328	FD 5/8" IR W/YPC INSCRIBED "ZTEC LS 1944", HELD	SN31606	16+19.91	-40.83
175	688312.201	7612848.686	FD 5/8" IR W/YPC INSCRIBED "ZTEC LS 1944"	SN31606	16+97.14	-40.77
176	688413.545	7612852.974	FD 5/8" IR W/YPC INSCRIBED "ZTEC LS 1944", DOWN 0.3'	SN31606	17+98.58	-40.82
177	688430.264	7612837.446	FD 5/8" IR W/YPC INSCRIBED "ZTEC LS 1944" IN SIDEWALK, HELD	SN31606	18+14.62	-57.05
178	688484.045	7612685.730	FD 5/8" IR, NO CAP, HELD	"TUALAVUE"	18+61.87	-210.92
179	688378.297	7612922.182	FD 2" IP, NO CAP, HELD	"SAN MARINO PARK"	17+66.32	29.83
180	688642.086	7612923.566	FD BENT 5/8" IR, NO CAP, TIED AT BEND DOWN 0.4'	ORIGIN UNKNOWN	20+29.93	19.94
181	688752.034	7612928.353	FD 5/8" IR, NO CAP, DOWN 0.3'	ORIGIN UNKNOWN - FOUND BY SN23879	21+39.98	20.02
182	688782.937	7612889.299	FD 5/8" IR, NO CAP, DOWN 0.3'	SN9062	21+69.18	-20.32
247	688498.912	7612867.881	FD 3/4" IP, NO CAP	"TUALAVUE"	18+84.50	-29.57
248	688478.855	7612849.092	FD 3/4" IP, BADLY DAMAGED	"TUALAVUE"	18+63.66	-47.49
249	688542.224	7612919.441	FD 1" IP, NO CAP, DOWN 0.5' UNDER BOULDER	COUNTY ROAD 1055	19+29.98	20.09
250	688565.051	7612870.552	FD 5/8" IR, NO CAP, DOWN 0.5'	"TUALAVUE"	19+50.70	-29.73
251	688649.733	7612883.565	FD 5/8" IR W/RPC INSCRIBED "CENTERLINE CONCEPTS INC", DOWN 0.4', HELD	SN28160	20+35.86	-20.35
252	688650.209	7612873.987	FD 5/8" IR, NO CAP, DOWN 0.7'	"TUALAVUE"	20+35.92	-29.94
315	688378.498	7612912.251	FD 3/4" IP, NO CAP, DOWN 0.2'	SN10096	17+66.10	19.90

**SURVEY CONTROL TABLE - PROJECT GROUND COORDINATES**

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
6	688097.45	7612893.12	397.18	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
7	688412.33	7612905.62	431.08	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
37	688443.55	7612692.08	442.94	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"



RENEWAL DATE: 12/31/2012



**Harper  
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Righellis Inc.**

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# PRE-CONSTRUCTION RECORD OF SURVEY

31682

FOR WASHINGTON COUNTY PROJECT NO. 100170

6/10

LOCATED IN THE SOUTHWEST ONE-QUARTER OF OF SECTION 27, THE SOUTHEAST ONE-QUARTER OF SECTION 33, AND THE WEST ONE-HALF OF SECTION 34, TOWNSHIP 1 NORTH, RANGE 1 WEST, W.M., WASHINGTON COUNTY, OREGON

JULY 12, 2011

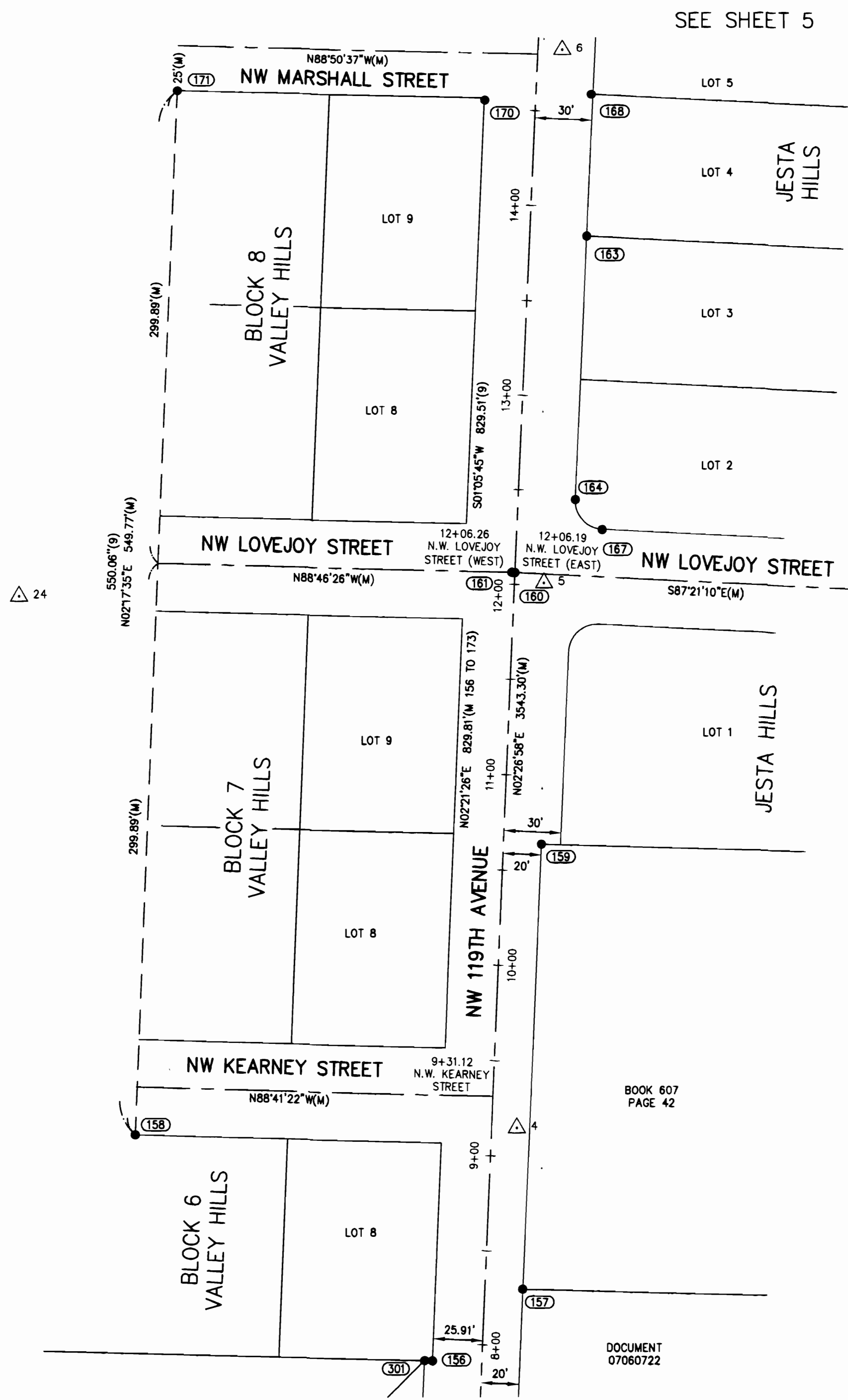
A NEGATIVE OFFSET INDICATES OFFSET LEFT OF CENTERLINE

## FOUND MONUMENT TABLE

POINT	NORTHING	EASTING	DESCRIPTION	ORIGIN	STATION	OFFSET
156	687405.793	7612824.786	FD BENT 5/8" IR, NO CAP, TIED AT BEND, DOWN 1', HELD	"VALLEY HILLS"	7+90.54	-25.91
157	687443.510	7612872.245	FD 1/2" IP, NO CAP	SNB353	8+30.25	19.89
158	687524.423	7612668.756	FD 5/8" IR, NO CAP, DOWN 0.5', HELD	"VALLEY HILLS"	9+02.40	-186.87
159	687677.572	7612882.318	FD 3/4" IP, NO CAP, DOWN 1.5'	COUNTY ROAD 1055	10+64.53	19.95
160	687819.955	7612868.438	FD 5/8" IR W/YPC, ILLEGIBLE, IN MONUMENT BOX, HELD	"JESTA HILLS"	12+06.19	0.00
161	687814.336	7612843.002	FD 5/8" IR, NO CAP, IN WATER VALVE BOX	"VALLEY HILLS"	12+06.26	-1.63
163	687997.685	7612906.071	FD 5/8" IR W/YPC INSCRIBED "CASWELL PLS 737", DOWN 0.3'	"JESTA HILLS"	13+85.37	-30.00
164	687858.568	7612900.179	FD 5/8" IR, NO CAP, DOWN 0.3'	"JESTA HILLS"	12+46.13	30.06
167	687832.391	7612914.976	FD 5/8" IR, NO CAP	"JESTA HILLS"	12+30.88	44.89
168	688072.646	7612908.442	FD 5/8" IR W/YPC INSCRIBED "CASWELL PLS 737", IN CONCRETE FENCE FOOTING	"JESTA HILLS"	14+60.36	29.17
170	688069.264	7612852.408	FD BENT 5/8" IR, TIED AT BEND DOWN 0.8'	"VALLEY HILLS"	14+54.59	-26.67
171	688073.758	7612690.753	FD 5/8" IR, NO CAP, DOWN 0.5', HELD	"VALLEY HILLS"	14+52.17	-188.37
301	687405.958	7612820.777	FD 5/8" IR W/YPC INSCRIBED "DRINKWATER PLS 926", INSIDE 2" IP, DOWN 0.8'	"HICKETHIER PARK"	7+90.53	-29.92

## SURVEY CONTROL TABLE - PROJECT GROUND COORDINATES

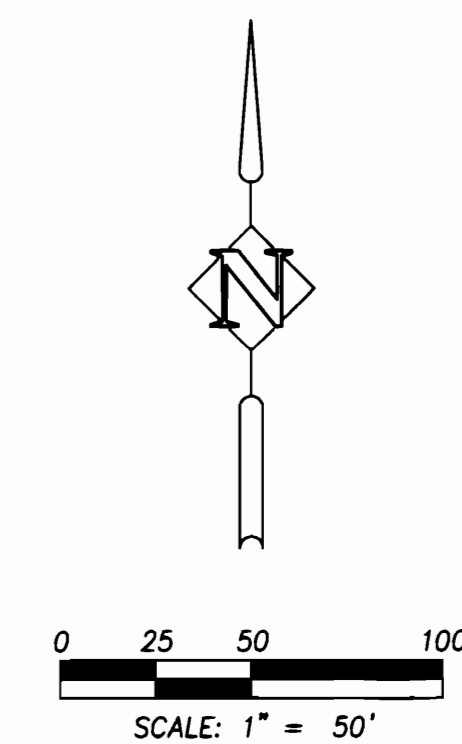
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
4	687528.69	7612869.24	349.93	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
5	687814.53	7612883.77	369.50	SET MAGNETIC NAIL WITH WASHER INSCRIBED "HHPR CONTROL"
6	688097.45	7612893.12	397.18	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
24	687806.68	7612607.72	376.41	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"



REGISTERED PROFESSIONAL LAND SURVEYOR

9/30/2011  
 OREGON  
 JULY 13, 1999  
 JOHN A. MCCOY  
 54857

RENEWAL DATE: 12/31/2012



**HHPR** Harper Houf Peterson Righellis Inc.

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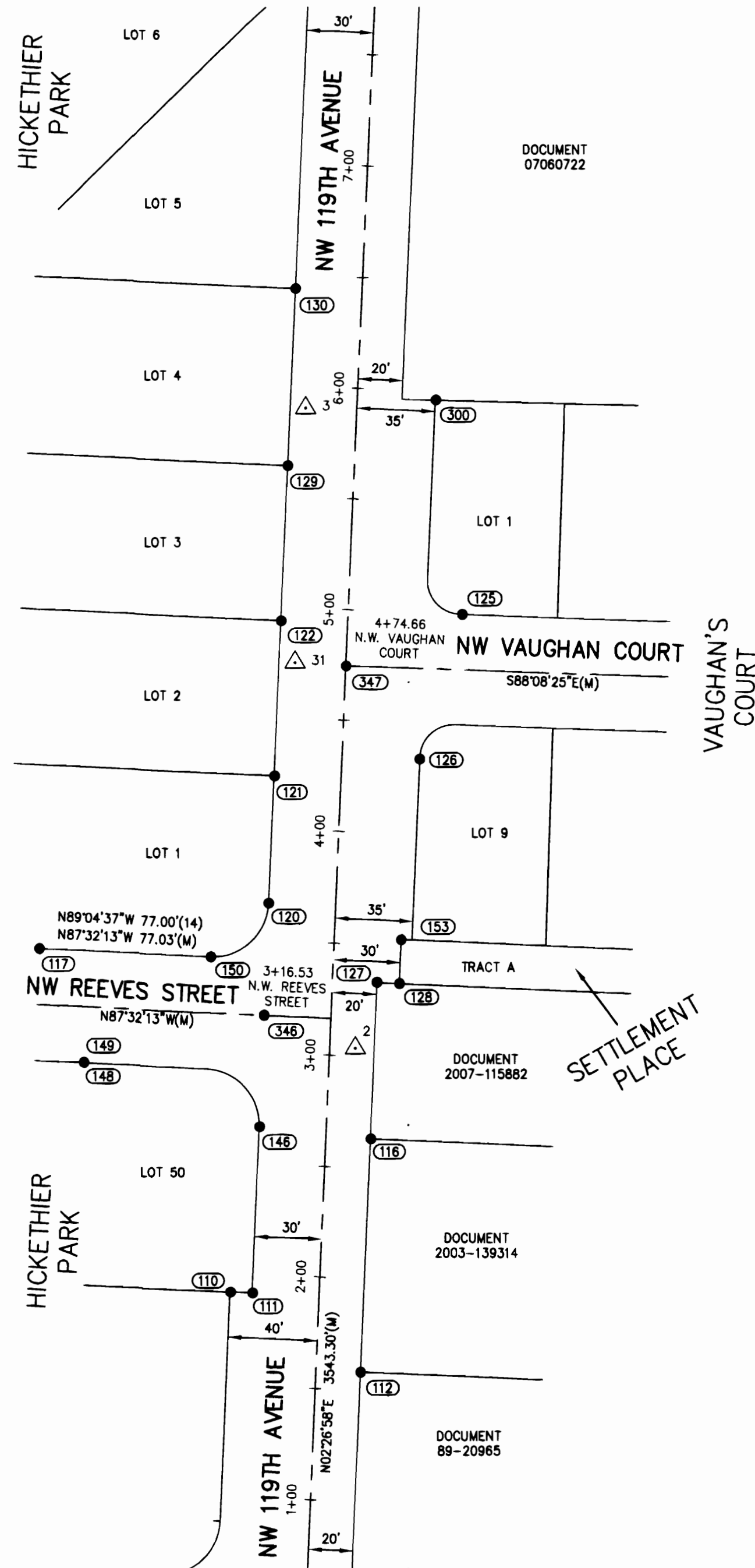
PRE-CONSTRUCTION RECORD OF SURVEY

31682  
7/10

FOR WASHINGTON COUNTY PROJECT NO. 100170  
LOCATED IN THE SOUTHWEST ONE-QUARTER OF OF SECTION 27, THE SOUTHEAST  
ONE-QUARTER OF SECTION 33, AND THE WEST ONE-HALF OF SECTION 34,  
TOWNSHIP 1 NORTH, RANGE 1 WEST, W.M., WASHINGTON COUNTY, OREGON

JULY 12, 2011

SEE SHEET 6



DOCUMENT  
07060722

DOCUMENT  
2007-115882

DOCUMENT  
2003-139314

DOCUMENT  
89-20965

HICKETHIER  
PARK NO. 2  
VACATED  
90-10886

SEE SHEET 8

A NEGATIVE OFFSET INDICATES OFFSET LEFT OF CENTERLINE

FOUND MONUMENT TABLE

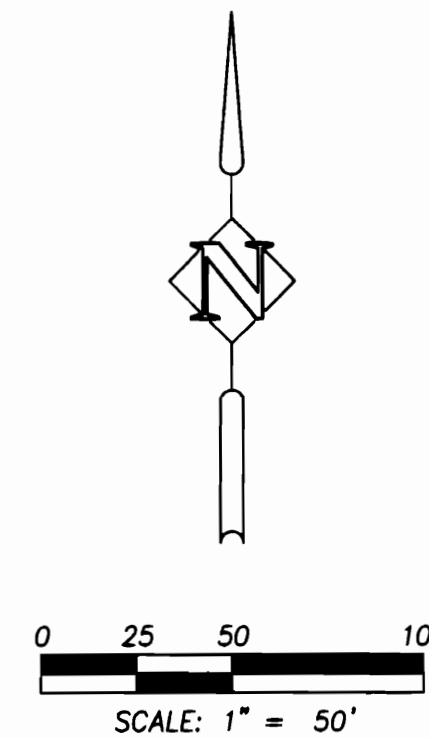
POINT	NORTHING	EASTING	DESCRIPTION	ORIGIN	STATION	OFFSET
110	686807.894	7612785.449	FD 5/8" IR W/YPC INSCRIBED "DRINKWATER PLS 926" INSIDE 2" IP	"HICKETHIER PARK"	1+91.51	-39.66
111	686807.567	7612795.414	FD 5/8" IR, NO CAP	"HICKETHIER PARK"	1+91.61	-29.69
112	686771.958	7612843.736	FD 5/8" IR, NO CAP	SN19018	1+58.10	20.11
116	686876.953	7612848.370	FD 5/8" IR, NO CAP, DOWN 1.8'	SN6472	2+63.19	20.25
117	686961.749	7612699.813	FD 5/8" IR, NO CAP, DOWN 0.3', HELD	"HICKETHIER PARK"	3+41.56	-131.79
120	686982.457	7612802.696	FD BENT 5/8" IR, NO CAP, TIED AT BEND	"HICKETHIER PARK"	3+66.65	-29.89
121	687039.505	7612805.288	FD 5/8" IR, NO CAP	"HICKETHIER PARK"	4+23.76	-29.74
122	687109.416	7612808.258	FD 5/8" IR W/YPC INSCRIBED "DRINKWATER PLS 926"	"HICKETHIER PARK"	4+93.73	-29.76
125	687112.413	7612889.550	FD BENT 5/8" IR, NO CAP, TIED AT BEND, DOWN 1'	"VAUGHAN'S COURT"	5+00.20	51.33
126	687047.117	7612870.413	FD 5/8" IR, NO CAP, HELD	"VAUGHAN'S COURT"	4+34.14	35.00
127	686947.119	7612851.182	FD BENT 1" IP, NO CAP	ORIGIN UNKNOWN - FOUND BY SN15810	3+33.42	20.06
128	686946.574	7612861.284	FD 5/8" IR W/YPC INSCRIBED "DRINKWATER PLS 926"	"SETTLEMENT PLACE"	3+33.30	30.18
129	687179.304	7612811.159	FD 5/8" IR, NO CAP	"HICKETHIER PARK"	5+63.68	-29.85
130	687259.299	7612814.598	FD 5/8" IR, NO CAP, UP 0.3'	"HICKETHIER PARK"	6+43.75	-29.83
146	686882.471	7612798.551	FD 5/8" IR, NO CAP	"HICKETHIER PARK"	2+66.58	-29.76
148	686911.016	7612719.721	FD 5/8" IR, NO CAP	"HICKETHIER PARK"	2+91.73	-109.73
149	686911.072	7612719.708	FD 1/2" IR, NO CAP	ORIGIN UNKNOWN	2+91.78	-109.75
150	686958.439	7612776.772	FD 5/8" IR W/YPC INSCRIBED "DRINKWATER PLS 926", DOWN 0.7', HELD	"HICKETHIER PARK"	3+41.54	-54.76
153	686966.085	7612862.079	FD 5/8" IR, NO CAP	"SETTLEMENT PLACE"	3+52.83	30.14
300	687209.147	7612877.613	FD 5/8" IR W/YPC INSCRIBED "ALPHA ENGINEERING INC", DOWN 0.3'	"VAUGHAN'S COURT"	5+96.33	35.27
346	686932.491	7612800.645	FD 2" BC, DOWN 0.2'	"HICKETHIER PARK"	3+16.64	-29.80
347	687089.089	7612837.370	FD 5/8" IR, NO CAP, DOWN 0.2'	"VAUGHAN'S COURT"	4+74.66	0.20

SURVEY CONTROL TABLE - PROJECT GROUND COORDINATES

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
2	686917.76	7612841.42	299.75	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
3	687205.38	7612819.16	325.75	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
31	687090.66	7612814.43	315.41	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"



RENEWAL DATE: 12/31/2012



**HHPR** Harper  
Houf Peterson  
Righellis Inc.

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LANDSCAPE ARCHITECTS • SURVEYORS  
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phone: 503.221.1131 www.hhpr.com fax: 503.221.1171

# PRE-CONSTRUCTION RECORD OF SURVEY

FOR WASHINGTON COUNTY PROJECT NO. 100170  
 LOCATED IN THE SOUTHWEST ONE-QUARTER OF SECTION 27, THE SOUTHEAST  
 ONE-QUARTER OF SECTION 33, AND THE WEST ONE-HALF OF SECTION 34,  
 TOWNSHIP 1 NORTH, RANGE 1 WEST, W.M., WASHINGTON COUNTY, OREGON

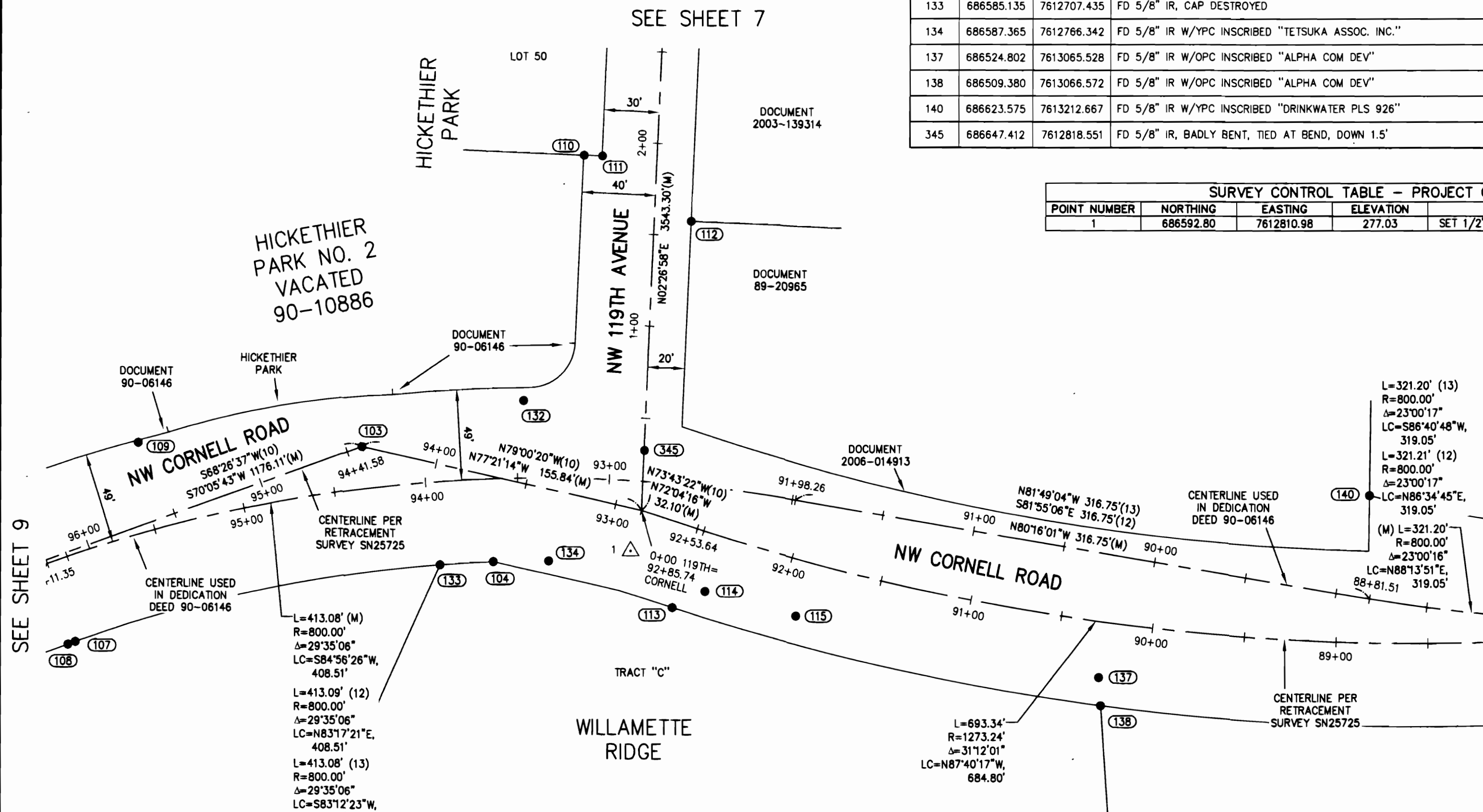
JULY 12, 2011

A NEGATIVE OFFSET INDICATES OFFSET LEFT OF CENTERLINE

31682 8/10

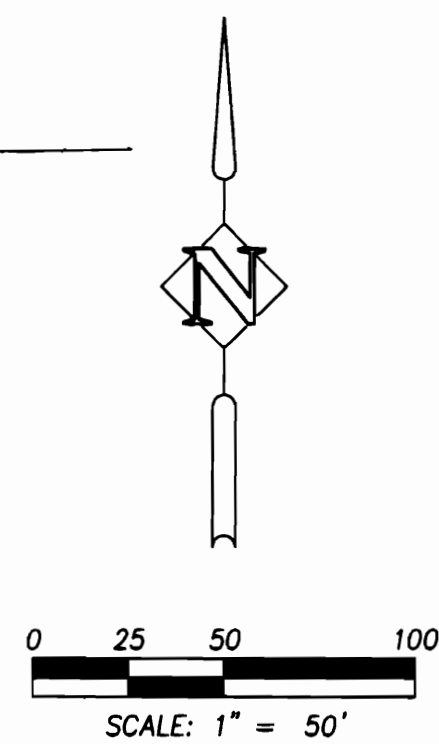
FOUND MONUMENT TABLE						
POINT	NORTHING	EASTING	DESCRIPTION	ORIGIN	STATION	OFFSET
103	686648.990	7612664.807	FD 1-1/2" ALUMINUM CAP, INSCRIBED "WASH CO SURVEYOR", DOWN 0.5', HELD	SN25725	94+41.58	0.00
104	686586.878	7612736.314	FD 5/8" IR W/OPC INSCRIBED "ALPHA COM DEV"	"WILLAMETTE RIDGE"	93+58.21	-44.95
107	686542.520	7612508.932	FD 5/8" IR W/YPC INSCRIBED "HERTEL PLS 1896"	SN29867	96+24.39	-47.04
108	686541.022	7612504.898	FD 5/8" IR W/YPC INSCRIBED "HERTEL PLS 1896"	SN29867	96+28.69	-47.08
109	686650.469	7612543.028	FD 5/8" IR, NO CAP, DOWN 0.7'	"HICKETHIER PARK"	95+55.58	42.85
110	686807.894	7612785.449	FD 5/8" IR W/YPC INSCRIBED "DRINKWATER PLS 926" INSIDE 2" IP	"HICKETHIER PARK"	1+91.51	-39.66
111	686807.567	7612795.414	FD 5/8" IR, NO CAP	"HICKETHIER PARK"	1+91.61	-29.69
112	686771.958	7612843.736	FD 5/8" IR, NO CAP	SN19018	1+58.10	20.11
113	686562.038	7612833.670	FD 5/8" IR W/OPC INSCRIBED "ALPHA COM DEV"	"WILLAMETTE RIDGE"	92+53.49	-45.10
114	686571.034	7612851.476	FD 5/8" IR W/YPC INSCRIBED "TETSUKA ASSOC. INC."	SN29650	92+39.66	-31.13
115	686557.812	7612900.828	FD 5/8" IR W/YPC INSCRIBED "TETSUKA ASSOC. INC."	SN29650	91+89.77	-30.08
132	686674.192	7612752.725	FD 5/8" IR W/YPC INSCRIBED "DRINKWATER PLS 926", DOWN 0.8'	"HICKETHIER PARK"	0+56.53	-66.64
133	686585.135	7612707.435	FD 5/8" IR, CAP DESTROYED	SN29650	93+86.01	-52.97
134	686587.365	7612766.342	FD 5/8" IR W/YPC INSCRIBED "TETSUKA ASSOC. INC."	SN29650	93+29.02	-37.90
137	686524.802	7613065.528	FD 5/8" IR W/OPC INSCRIBED "ALPHA COM DEV"	"WILLAMETTE RIDGE"	90+25.56	-30.00
138	686509.380	7613066.572	FD 5/8" IR W/OPC INSCRIBED "ALPHA COM DEV"	"WILLAMETTE RIDGE"	90+22.57	-45.15
140	686623.575	7613212.667	FD 5/8" IR W/YPC INSCRIBED "DRINKWATER PLS 926"	"SETTLEMENT PLACE"	88+83.71	80.11
345	686647.412	7612818.551	FD 5/8" IR, BADLY BENT, TIED AT BEND, DOWN 1.5'	COUNTY ROAD 1055	0+32.59	0.27

SURVEY CONTROL TABLE -- PROJECT GROUND COORDINATES				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	686592.80	7612810.98	277.03	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"



REGISTERED PROFESSIONAL LAND SURVEYOR  
 JULY 13, 1999  
 JOHN A. MCCOY  
 54857

RENEWAL DATE: 12/31/2012



**Harper Houf Peterson Righellis Inc.**  
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SHEET 8 OF 10 09/30/2011 WAS-20



# PRE-CONSTRUCTION RECORD OF SURVEY

FOR WASHINGTON COUNTY PROJECT NO. 100170  
 LOCATED IN THE SOUTHWEST ONE-QUARTER OF SECTION 27, THE SOUTHEAST  
 ONE-QUARTER OF SECTION 33, AND THE WEST ONE-HALF OF SECTION 34,  
 TOWNSHIP 1 NORTH, RANGE 1 WEST, W.M., WASHINGTON COUNTY, OREGON

JULY 12, 2011

31682  
 9/10

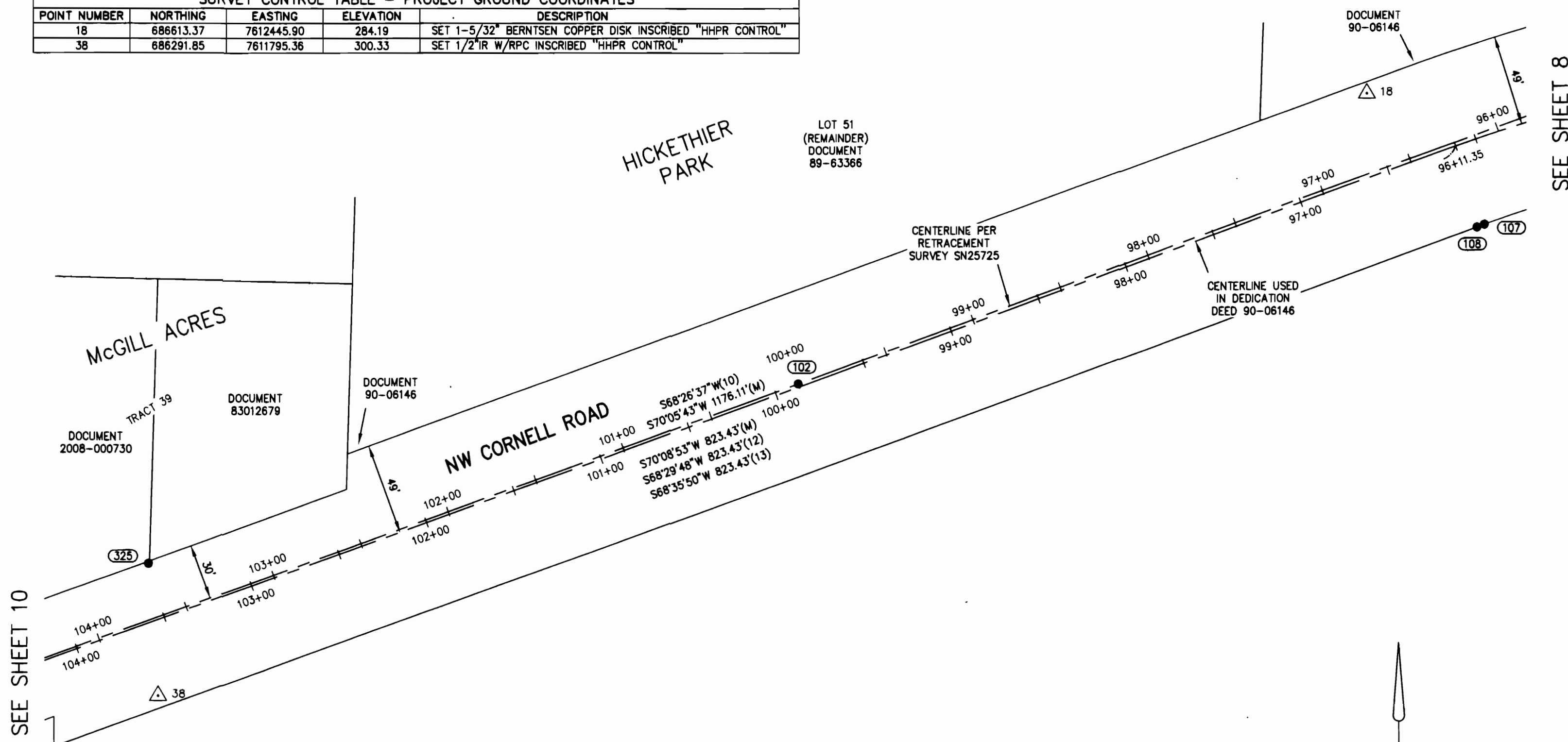
A NEGATIVE OFFSET INDICATES OFFSET LEFT OF CENTERLINE

FOUND MONUMENT TABLE

POINT	NORTHING	EASTING	DESCRIPTION	ORIGIN	STATION	OFFSET
102	686458.875	7612139.757	FD 1-1/2" ALUMINUM CAP, INSCRIBED "WASH CO SURVEYOR", FLUSH IN ASPHALT, HELD	SN25725	99+99.99	0.00
107	686542.520	7612508.932	FD 5/8" IR W/YPC INSCRIBED "HERTEL PLS 1896"	SN29867	96+24.39	-47.04
108	686541.022	7612504.898	FD 5/8" IR W/YPC INSCRIBED "HERTEL PLS 1896"	SN29867	96+28.69	-47.08
325	686363.196	7611790.451	FD 5/8" IR, NO CAP, UP 0.3'	SN8862	103+61.00	28.96

SURVEY CONTROL TABLE - PROJECT GROUND COORDINATES

POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
18	686613.37	7612445.90	284.19	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"
38	686291.85	7611795.36	300.33	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"



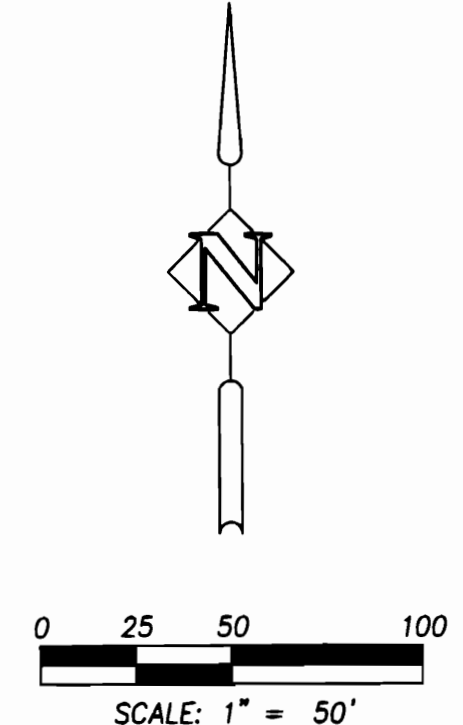
SEE SHEET 8

SEE SHEET 10

REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR

9/30/2011  
 OREGON  
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**PRE-CONSTRUCTION RECORD OF SURVEY**  
 FOR WASHINGTON COUNTY PROJECT NO. 100170  
 LOCATED IN THE SOUTHWEST ONE-QUARTER OF SECTION 27, THE SOUTHEAST  
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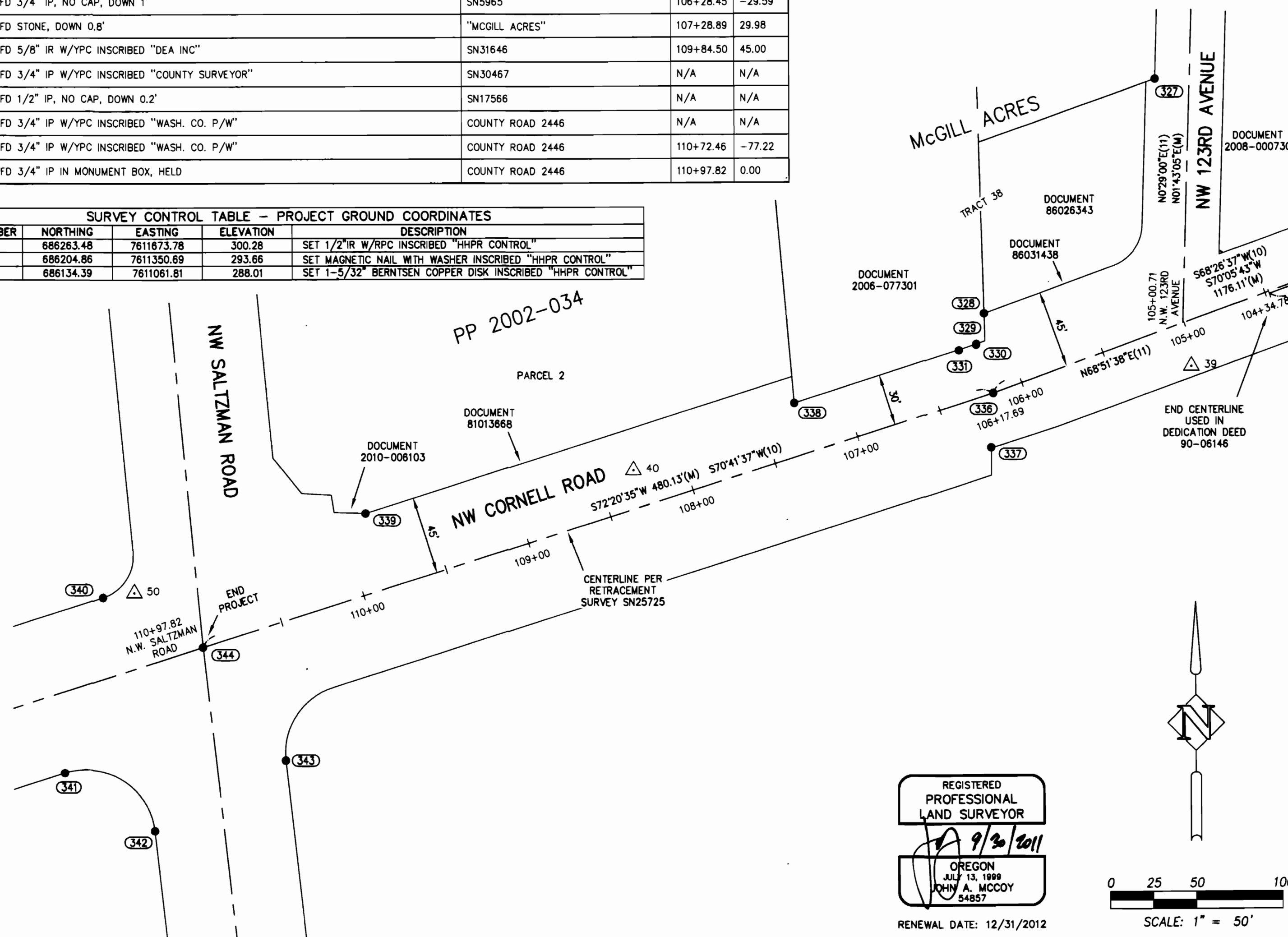
JULY 12, 2011

A NEGATIVE OFFSET INDICATES OFFSET LEFT OF CENTERLINE  
 N/A - BEYOND CALCULATED CENTERLINE STATIONS

**FOUND MONUMENT TABLE**

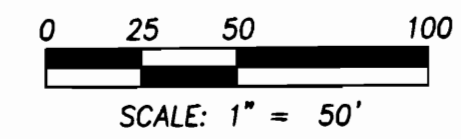
POINT	NORTHING	EASTING	DESCRIPTION	ORIGIN	STATION	OFFSET
327	686430.488	7611653.201	FD ALUMINUM CAP INSCRIBED "PETTJOHN ENGR CO INC LS 812"	SN21364	104+67.14	138.96
328	686294.587	7611553.857	FD 5/8" IR W/YPC INSCRIBED "STACY PLS 57191"	SN30604	106+06.82	45.00
329	686276.952	7611549.297	FD 5/8" IR W/YPC INSCRIBED "STACY PLS 57191"	SN30604	106+18.29	29.97
330	686276.596	7611549.222	FD 5/8" IR, NO CAP, UP 0.3'	SN21364	106+18.47	29.66
331	686273.406	7611539.154	FD 1" IP, NO CAP	ORIGIN UNKNOWN - FOUND BY SN25725	106+29.03	29.67
336	686248.571	7611558.955	FD 5/8" IR W/YPC INSCRIBED "STACY PLS 57191" IN MONUMENT BOX, HELD	SN30604	106+17.69	0.00
337	686217.111	7611557.685	FD 3/4" IP, NO CAP, DOWN 1'	SN5965	106+28.45	-29.59
338	686243.413	7611443.902	FD STONE, DOWN 0.8'	"MCGILL ACRES"	107+28.89	29.98
339	686180.193	7611195.783	FD 5/8" IR W/YPC INSCRIBED "DEA INC"	SN31646	109+84.50	45.00
340	686131.788	7611043.745	FD 3/4" IP W/YPC INSCRIBED "COUNTY SURVEYOR"	SN30467	N/A	N/A
341	686030.118	7611021.222	FD 1/2" IP, NO CAP, DOWN 0.2'	SN17566	N/A	N/A
342	685996.425	7611073.187	FD 3/4" IP W/YPC INSCRIBED "WASH. CO. P/W"	COUNTY ROAD 2446	N/A	N/A
343	686037.051	7611149.032	FD 3/4" IP W/YPC INSCRIBED "WASH. CO. P/W"	COUNTY ROAD 2446	110+72.46	-77.22
344	686102.939	7611101.444	FD 3/4" IP IN MONUMENT BOX, HELD	COUNTY ROAD 2446	110+97.82	0.00

SURVEY CONTROL TABLE - PROJECT GROUND COORDINATES				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
39	686263.48	7611673.78	300.28	SET 1/2" IR W/RPC INSCRIBED "HHPR CONTROL"
40	686204.86	7611350.69	293.66	SET MAGNETIC NAIL WITH WASHER INSCRIBED "HHPR CONTROL"
50	686134.39	7611061.81	288.01	SET 1-5/32" BERNTSEN COPPER DISK INSCRIBED "HHPR CONTROL"



SEE SHEET 9

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