

208030 2393

RS-4378 B



AMENDED RECORD OF SURVEY

SITUATE IN A PORTION OF THE E 1/2 OF SECTION 25, E 1/2 OF SECTION 36, TOWNSHIP 38 NORTH,
RANGE 2 EAST, W.M., & WEST 1/2 SECTION 30, NW 1/4 OF SECTION 31, TOWNSHIP 38 NORTH,
RANGE 3 EAST, W.M., CITY OF BELLINGHAM, WHATCOM COUNTY, WASHINGTON

PACIFIC SURVEY & ENGINEERING INC
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MONUMENT ID	NORTHING	EASTING	LATITUDE	LONGITUDE	SCALE FACTOR	CONVERGENCE ANGLE	NAVD88	COB1909	MLLW 1983-2001	NGVD29	DESCRIPTION
271	641665.3912	1243480.7003	N 48°44'50.60717"	W 122°28'42.98313"	1.000002674	- 1°13'30"	89.96	91.67	90.42	86.03	FOUND BRASS CAP
511	644207.5836	1242092.2884	N 48°45'15.39229"	W 122°29'04.50816"	1.000004006	- 1°13'46"	17.95	19.66	18.42	14.02	FOUND BRASS CAP
564	637539.3158	1239141.6443	N 48°44'08.98356"	W 122°29'46.37927"	1.000000470	- 1°14'17"	74.55	76.27	75.02	70.62	FOUND BRASS CAP
588	639988.1596	1240757.7416	N 48°44'33.48509"	W 122°29'23.06336"	1.000001763	- 1°14'00"	13.35	15.06	13.82	9.42	FOUND BRASS CAP
592	641439.9108	1242247.1066	N 48°44'48.12221"	W 122°29'01.31274"	1.000002541	- 1°13'44"	20.92	22.64	21.39	16.99	FOUND BRASS CAP
593	641803.6004	1242619.5688	N 48°44'51.78876"	W 122°28'55.87298"	1.000002737	- 1°13'40"	39.30	41.01	39.77	35.37	FOUND BRASS CAP
705	645499.0277	1240450.4854	N 48°45'27.78392"	W 122°29'29.41772"	1.000004677	- 1°14'04"	63.47	65.19	63.94	59.54	FOUND BRASS CAP
805	645123.7604	1240838.7532	N 48°45'24.16446"	W 122°29'23.50414"	1.000004481	- 1°13'59"	58.35	60.07	58.82	54.42	FOUND BRASS CAP
808	644564.3698	1241382.6561	N 48°45'18.76157"	W 122°29'15.20973"	1.000004188	- 1°13'54"	24.89	26.61	25.36	20.96	FOUND BRASS CAP
1248	645307.2348	1240123.2210	N 48°45'25.82231"	W 122°29'34.23885"	1.000004571	- 1°14'08"	17.34	19.05	17.81	13.41	FOUND BRASS CAP
1332	644822.5058	1239900.4258	N 48°45'20.99311"	W 122°29'37.40689"	1.000004309	- 1°14'10"	18.09	19.81	18.56	14.16	FOUND BRASS CAP
1860	643845.1349	1241719.8032	N 48°45'11.73788"	W 122°29'09.94919"	1.000003809	- 1°13'50"	18.91	20.63	19.38	14.98	FOUND BRASS CAP
1925	640212.8550	1241990.7457	N 48°44'35.96314"	W 122°29'04.74405"	1.000001894	- 1°13'46"	71.95	73.67	72.42	68.02	FOUND BRASS CAP
2071	640939.0715	1242735.6740	N 48°44'43.28478"	W 122°28'53.86474"	1.000002283	- 1°13'38"	75.37	77.08	75.83	71.44	FOUND BRASS CAP
2100	643300.5262	1241160.3128	N 48°45'06.24674"	W 122°29'18.12140"	1.000003513	- 1°13'56"	13.76	15.47	14.23	9.83	FOUND BRASS CAP
3872	645264.9470	1240210.0591	N 48°45'25.42362"	W 122°29'32.92961"	1.000004549	- 1°14'07"	17.53	19.25	18.00	13.60	FOUND BRASS CAP
4457	644441.9927	1239508.9746	N 48°45'17.15604"	W 122°29'43.12457"	1.000004101	- 1°14'15"	18.38	20.10	18.85	14.45	FOUND BRASS CAP
4488	641770.3187	1242564.1736	N 48°44'51.44872"	W 122°28'56.68868"	1.000002719	- 1°13'40"	39.57	41.28	40.04	35.64	FOUND BRASS CAP
5420	638142.9260	1239416.4060	N 48°44'14.99669"	W 122°29'42.47596"	1.000000786	- 1°14'14"	16.00	17.72	16.47	12.07	FOUND BRASS CAP
5584	640353.0452	1241236.7963	N 48°44'37.18633"	W 122°29'16.03491"	1.000001956	- 1°13'54"	16.11	17.82	16.58	12.18	SET 2" ALUM. MON.
5585	641127.3620	1241960.1780	N 48°44'44.97821"	W 122°29'05.49278"	1.000002374	- 1°13'47"	19.26	20.98	19.73	15.33	SET 2" ALUM. MON.
5586	642170.0193	1243024.6310	N 48°44'55.48904"	W 122°28'49.94756"	1.000002935	- 1°13'35"	58.34	60.06	58.81	54.41	SET 2" ALUM. MON.
5587	642520.8115	1242611.4781	N 48°44'58.86228"	W 122°28'56.22295"	1.000003116	- 1°13'40"	46.18	47.89	46.65	42.25	SET 2" ALUM. MON.
5588	643391.0183	1242172.0242	N 48°45'07.35383"	W 122°29'03.05718"	1.000003572	- 1°13'45"	18.97	20.68	19.44	15.04	SET 2" ALUM. MON.
5589	642946.2913	1242415.4654	N 48°45'03.01815"	W 122°28'59.28313"	1.000003339	- 1°13'42"	34.06	35.78	34.53	30.13	SET 2" ALUM. MON.
5590	643964.3850	1241657.7638	N 48°45'12.90112"	W 122°29'10.91296"	1.000003871	- 1°13'50"	18.69	20.41	19.16	14.76	SET 2" ALUM. MON.
5591	644384.5241	1241091.5625	N 48°45'16.92566"	W 122°29'19.49496"	1.000004089	- 1°13'57"	17.95	19.67	18.42	14.02	SET 2" ALUM. MON.
5592	644995.4295	1240571.9625	N 48°45'22.84181"	W 122°29'27.44338"	1.000004409	- 1°14'03"	17.70	19.42	18.17	13.77	SET 2" ALUM. MON.
5593	643973.7918	1241986.9958	N 48°45'13.06366"	W 122°29'06.00416"	1.000003880	- 1°13'47"	18.74	20.46	19.21	14.81	SET 2" ALUM. MON.
5594	643511.0077	1242381.6698	N 48°45'08.58187"	W 122°28'59.96796"	1.000003640	- 1°13'43"	26.24	27.96	26.71	22.31	SET 2" ALUM. MON.
5595	643023.4451	1242921.0673	N 48°45'03.88614"	W 122°28'51.76510"	1.000003390	- 1°13'37"	63.29	65.00	63.76	59.36	SET 2" ALUM. MON.
5596	640054.2043	1241394.9987	N 48°44'34.27184"	W 122°29'13.57934"	1.000001804	- 1°13'53"	79.59	81.30	80.06	75.66	SET 2" ALUM. MON.
5597	639791.0453	1241097.0617	N 48°44'31.61260"	W 122°29'17.93889"	1.000001663	- 1°13'56"	85.04	86.75	85.51	81.11	SET 2" ALUM. MON.
5598	639145.7397	1240444.6106	N 48°44'25.10816"	W 122°29'27.46325"	1.000001319	- 1°14'03"	81.72	83.44	82.19	77.79	SET 2" ALUM. MON.
5599	638577.0652	1240040.4946	N 48°44'19.41230"	W 122°29'33.30777"	1.000001019	- 1°14'07"	96.12	97.84	96.59	92.19	SET 2" ALUM. MON.
5600	638166.5742	1239651.8602	N 48°44'15.28012"	W 122°29'38.97195"	1.000000801	- 1°14'11"	89.10	90.82	89.57	85.17	SET 2" ALUM. MON.
5601	642025.6559	1243887.9416	N 48°44'54.24702"	W 122°28'37.02302"	1.000002869	- 1°13'25"	90.60	92.32	91.07	86.67	SET 2" ALUM. MON.
5602	642494.2342	1243369.1944	N 48°44'58.76013"	W 122°28'44.91094"	1.000003111	- 1°13'31"	74.11	75.83	74.58	70.18	SET 2" ALUM. MON.
5603	641091.5556	1240489.9277	N 48°44'44.31310"	W 122°29'27.41256"	1.000002338	- 1°14'03"	13.82	15.54	14.29	9.89	SET 2" ALUM. MON.
5604	639238.4340	1239943.3553	N 48°44'25.91599"	W 122°29'34.96933"	1.000001362	- 1°14'08"	16.24	17.95	16.70	12.31	SET 2" ALUM. MON.

HORIZONTAL CONTROL: NAD83/98 WASHINGTON STATE PLANE, NORTH ZONE

DURING THE MONTH OF JANUARY 2008, PACIFIC SURVEYING & ENGINEERING TRAVERSED BETWEEN RECORD MONUMENTS DEPICTED ON A.F. NO. 2071002449, TO COORDINATE 21 NEW MONUMENTS (#5584-#5604). ALL OF THE NEW MONUMENTS ARE 2 INCH ALUMINUM CAPS STAMPED WITH THE POINT NUMBER AND "COB VBM". ALL COORDINATE VALUES HAVE A RELATIVE POSITION OF LESS THAN 0.07 FEET (22 MM) HORIZONTALLY.

COORDINATES SHOWN ARE STATE PLANE COORDINATES IN US SURVEY FEET.

SEE RECORD OF SURVEY RECORDED AT THE WHATCOM COUNTY AUDITOR'S OFFICE FILE NO. 2071002449 FOR ADDITIONAL INFORMATION.

SURVEY AMENDMENT NOTE

THIS AMENDED RECORD OF SURVEY SUPERSEDES A RECORD OF SURVEY FILED UNDER AUDITOR'S FILE NUMBER 2080300401 ON MARCH 4, 2008. THE PURPOSE OF THIS AMENDMENT IS TO CORRECT THE EASTING OF CONTROL POINT NUMBER 4457 AND TO REMOVE CONTROL POINT 596 FROM THE LIST ABOVE AND SURVEY MAP (SHEET 1).

VERTICAL CONTROL NOTE: NAVD88

CLOSED DIFFERENTIAL VERTICAL TRAVERSE LOOPS WERE RUN FROM NATIONAL GEODETIC SURVEY (NGS) SURVEY CONTROL POINTS V-454 (PID #TR0036) (CITY OF BELLINGHAM #5420) AND U-454 (PID #TR0034) (CITY OF BELLINGHAM #4488) OVER ALL THE POINTS LISTED. THE PUBLISHED NAVD88 ELEVATIONS WERE FIXED AT BOTH MONUMENTS WITH LOOP CLOSURES MEETING THIRD CLASS, THIRD ORDER STANDARDS.

NGS SUPERSEDED AND PUBLISHED NGVD29 ELEVATIONS WERE USED ON THE MONUMENTS LISTED ABOVE TO ESTABLISH NGVD29 ELEVATIONS. NGVD 29 IS 3.93 FEET LOWER THAN NAVD88 IN THIS MAPPING AREA.

U-454 IS ALSO A TIDAL BENCH MARK (VM #9293) THE MOST CURRENT MLLW ELEVATION (EPOCH 1983 THROUGH 2001) LISTS THE MLLW VALUES AT 40.04 FEET, WHICH IS 0.47 FEET LOWER THAN NAVD88 IN THIS MAPPING AREA.

THE PUBLISHED CITY OF BELLINGHAM NAVD88 ELEVATION AT "PRIMAL BENCH MARK" (CITY OF BELLINGHAM #4244) IS 103.705. THE CITY MUNICIPAL CODE (1.12.020) ESTABLISHED AN ELEVATION OF 105.42 FEET IN 1909 AT "PRIMAL BENCH MARK". THE CITY OF BELLINGHAM MUNICIPAL CODE ELEVATION IS 1.71 FEET HIGHER THAN NAVD88.



AUDITOR'S CERTIFICATE

Filed for record this day of , 20 at
in book of surveys at page at the request of
PACIFIC SURVEYING AND ENGINEERING SERVICES INC.

County Auditor

AMENDED RECORD OF SURVEY

WATERFRONT DISTRICT
FOR CITY OF BELLINGHAM, PUBLIC WORKS
210 LOTTIE STREET
BELLINGHAM, WA 98225

SURVEYOR'S CERTIFICATE

This map correctly represents a survey made by me or under my direction in conformance with the requirements of the Survey Recording Act at the request of CITY OF BELLINGHAM, JANUARY, 2008.

Certificate No.: 35147

