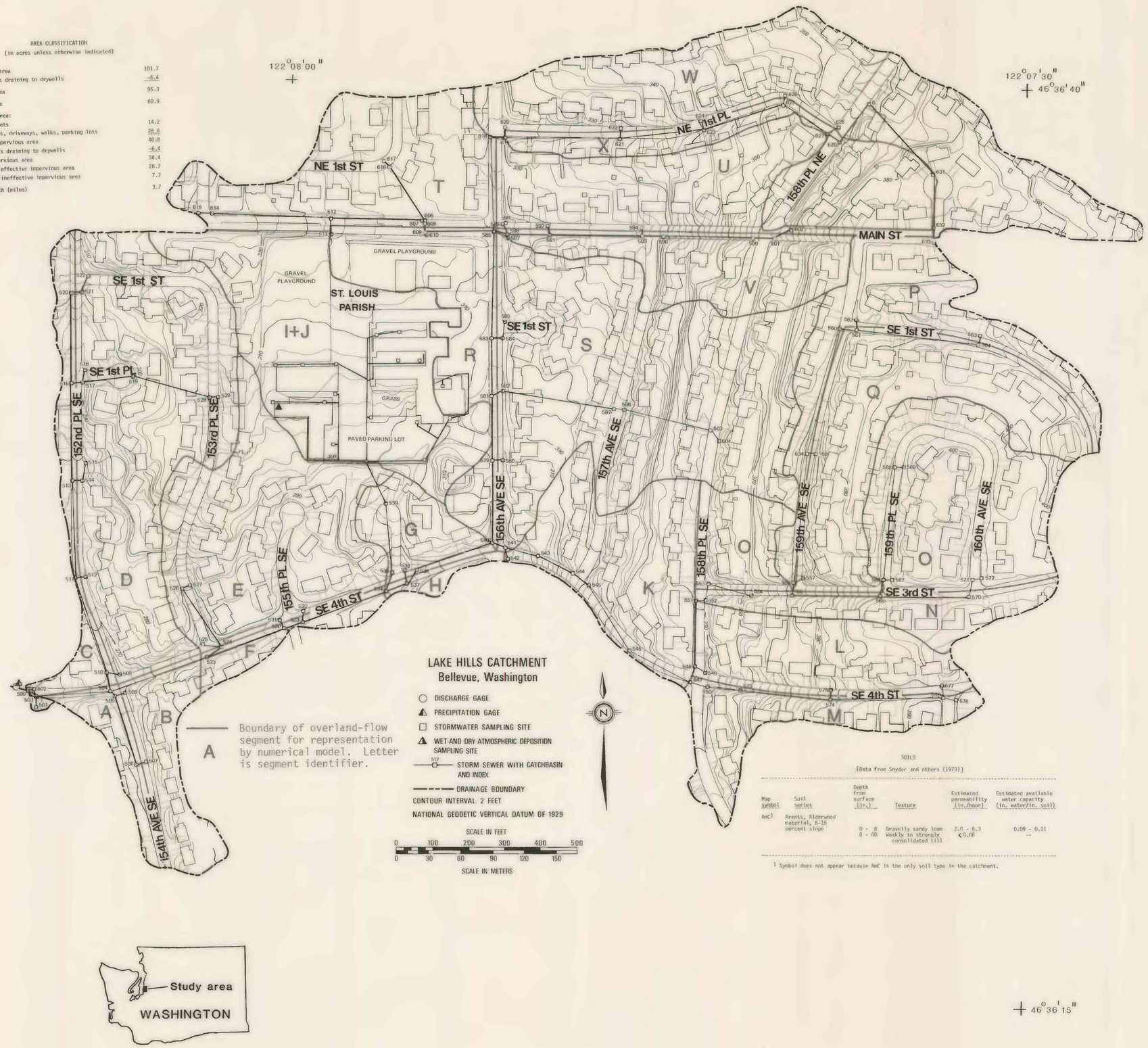
STORM-SEWER DATA

CATCHBASIN INDEX DOWN-STREAM	CATCHBASIN INDEX UP-STREAM	PIPE SIZE, IN INCHES, AND TYPE	PIPE LENGTH, IN FT.	PIPE SLOPE, IN FT/FT	PIPE INVERT ALTITUDE, IN FT. DOWN-STREAM	PIPE INVERT ALTITUDE, IN FT. UP-STREAM	DOWNSTREAM CATCHBASIN ALTITUDE IN FT. TOP	DOWNSTREAM CATCHBASIN ALTITUDE IN FT. BOTTOM
500	503	42 CP	36	-.041	253.62	252.15	CULVERT	CULVERT
502							260.79	259.42
503	502	8 CP	21	0.027	258.88	259.44	261.00	251.79
503	504	24 CP	209	0.032	254.32	261.03	261.00	251.79
504	505	12 CP	18	-.014	263.10	262.85	266.26	260.73
504	510	24 CP	56	0.013	261.41	262.15	266.26	260.73
504	523	20 CP	268	0.040	261.20	272.59	266.26	261.00
505	506	12 CP	201	0.012	262.83	265.30	266.00	261.54
505	508	8 CP	30	0.021	263.70	254.33	266.00	261.54
506	507	8 CP	29	0.051	265.78	267.27	268.88	261.54
507							266.72	267.17
508							266.13	264.39
509							266.59	264.94
510	509	8 CP	37	0.047	263.25	264.99	266.76	261.01
510	511	12 CP	279	0.033	262.27	271.42	266.70	261.01
511	512	8 CP	28	0.071	272.22	274.20	275.86	270.05
511	513	12 CP	274	0.013	271.59	275.08	275.86	270.05
512							275.64	274.20
513	514	12 CP	28	0.036	275.18	276.18	279.66	274.17
513	516	12 CP	275	0.045	275.16	287.43	279.66	274.17
514	515	8 CP	50	0.047	277.09	279.43	279.61	275.05
515							280.78	279.43
516	517	12 CP	33	0.026	287.57	288.42	292.99	286.82
516	520	12 CP	255	0.031	287.67	295.60	292.99	286.82
517	518	8 CP	30	0.073	289.42	291.61	292.77	287.18
517	519	12 CP	135	0.061	288.52	296.75	292.77	287.18
518							293.02	291.61
519	528	12 CP	225	0.023	296.75	301.83	298.99	296.13
520	521	12 CP	30	0.055	295.65	297.59	300.91	294.43
521	522	8 CP	50	0.069	297.59	301.02	300.79	294.43
522							302.67	301.02
523	524	12 CP	50	0.003	272.89	273.06	275.54	272.07
523	530	20 CP	229	0.006	273.09	274.50	275.54	273.07
524	525	8 CP	39	0.020	273.40	274.17	275.72	271.82
524	526	12 CP	165	0.027	273.12	277.58	275.72	271.82
525							275.92	274.14
526	527	8 CP	25	0.081	278.54	280.56	281.76	276.61
527							281.92	280.51
528	529	8 CP	24	0.096	302.51	304.82	306.27	300.56
529							306.24	304.82
530	531	8 CP	28	0.058	274.55	276.16	277.77	274.08
530	533	18 CP	56	0.007	274.44	274.82	277.77	274.08
531							277.85	276.16
532							278.52	276.97
533	532	8 CP	31	0.045	275.56	276.97	278.48	274.30
533	534	18 CP	250	0.017	274.78	278.91	278.48	274.30
534	535	15 CP	58	0.056	279.63	282.86	282.61	278.91
534	537	18 CP	62	0.020	279.85	283.12	282.61	278.91
535	539	15 CP	192	0.027	282.84	288.07	285.14	281.40
536							285.07	283.62
537	536	8 CP	36	0.064	281.32	283.62	285.02	279.72
537	538	18 CP	48	0.067	279.72	282.94	285.02	279.72
538	540	18 CP	226	0.016	283.20	286.87	286.64	282.54
539							294.57	287.62
540	541	18 CP	36	0.014	287.02	287.52	293.87	286.97
540	579	18 CP	234	0.042	287.07	296.79	293.87	286.97
541	542	12 CP	35	0.021	287.45	288.58	293.70	285.85
541	543	18 CP	95	0.100	287.65	297.18	293.70	285.85
542							293.54	288.04
543	544	12 CP	110	0.118	297.38	310.31	301.13	294.73
544	545	12 CP	56	0.091	310.66	315.76	314.26	309.56
545	546	12 CP	216	0.075	315.56	331.45	320.46	315.53
546	547	12 CP	143	0.052	331.90	341.92	335.05	330.70
547	548	12 CP	47	0.042	341.82	343.81	346.92	341.17
547	550	12 CP	49	0.020	341.88	342.85	346.92	341.17
548	549	12 CP	35	0.023	343.41	344.63	347.61	342.91
548	551	12 CP	185	0.017	343.76	346.93	347.61	342.91
549							347.43	343.91
550	573	12 CP	94	0.091	342.74	351.34	347.35	342.53
551	552	12 CP	29	0.010	346.98	347.27	350.73	345.86
552	553	12 CP	47	0.021	347.32	348.31	350.87	346.25
553	554	12 CP	126	0.072	348.76	357.63	351.16	347.30
554	555	12 CP	113	0.063	358.40	365.54	361.73	
555	556	12 CP	35	0.056	365.94	367.90	370.74	364.57
556	557	8 CP	30	0.061	368.55	370.37	370.90	366.94
556	634	12 CP	364	0.017	368.65	374.32	370.90	366.94
557							371.67	370.37
559							377.44	375.92
560	561	12 CP	49	0.027	380.45	381.76	384.00	379.41
561	562	8 CP	29	0.027	382.21	383.00	384.86	380.74
561	564	12 CP	344	0.019	381.71	388.40	384.86	380.74
562							384.40	383.00
563							391.53	390.27
564	563	8 CP	25	0.061	388.75	390.27	391.50	387.02
565	566	12 CP	46	0.018	385.56	386.41	390.49	384.67
565	570	12 CP	248	0.019	385.54	390.23	390.49	384.67
566	567	8 CP	24	0.062	387.76	389.25	390.71	385.38
566	568	12 CP	318	0.014	386.41	390.91	390.71	385.38
567							390.72	389.25
568	569	8 CP	24	0.039	391.54	392.47	393.89	389.89
569							393.82	392.47
570	571	12 CP	48	0.019	390.26	391.20	393.48	388.98
571	572	8 CP	25	0.017	391.35	391.77	392.85	390.10
572							393.12	391.77
573	574	12 CP	253	0.092	351.91	375.26	356.47	351.05
574	575	8 CP	29	0.037	375.51	376.57	378.01	374.46
574	576	12 CP	317	0.034	375.46	386.28	378.01	374.46
575							377.92	376.57
576	577	8 CP	36	0.049	386.80	388.55	389.58	384.78
576	578	8 CP	36	0.043	386.98	388.54	389.58	384.78
577							390.08	388.55
578							389.94	384.54
579	580	12 CP	28	0.041	297.24	298.38	303.56	295.79
579	581	18 CP	179	0.020	296.94	300.51	303.56	295.79
580							303.66	297.48
581	582	12 CP	37	0.018	301.31	301.96	305.46	299.08
581	583	18 CP	182	0.011	300.49	302.29	305.46	299.08
582	597	12 CP	317	0.030	302.29	311.75	305.55	301.55
583	584	12 CP	32	0.010	303.29	303.60	306.59	300.41
583	586	18 CP	302	0.014	302.51	306.61	306.59	300.41
584	585	8 CP	49	0.019	304.69	305.63	308.40	302.58
585							307.04	305.58
586	588	12 CP	37	0.060	307.43	309.64	313.49	305.44
586	609	12 CP	193	0.003	306.79	307.36	313.49	305.44
586	618	12 CP	268	0.026	308.09	315.18	313.49	305.44
587							313.79	312.44
588	587	8 CP	6	0.047	312.21	312.49	314.06	309.16
588	589	8 CP	32	0.057	310.60	312.43	314.06	309.16
588	591	12 CP	119	0.047	309.73	315.27	314.06	309.16
589	590	8 CP	7	0.056	312.68	313.07	314.33	312.48
590							314.32	313.07
591	592	12 CP	29	0.009	315.50	315.75	319.55	314.88
591	593	12 CP	261	0.018	315.53	320.33	319.55	314.88
592							319.59	314.49
593	594	12 CP	29	0.020	320.50	321.07	323.90	320.00
593	596	12 CP	60	0.028	320.37	322.03	323.90	320.00
594							323.72	320.02
596	599	12 CP	251	0.117	323.96	353.04	327.83	321.83
597	598	12 CP	28	0.035	311.95	312.94	317.35	311.00
598	603	12 CP	250	0.143	312.97	348.80	317.44	312.94
599	601	12 CP	62	0.045	353.19	356.00	357.39	352.03
601	602	12 CP	55	0.049	356.45	361.90	361.60	356.23
602							365.90	360.85
603	604	12 CP	38	0.062	348.85	351.98	354.15	348.48
604							354.28	351.31
606							311.72	310.12
607	606	6 CP	5	0.034	309.95	310.12	311.90	307.50
607	612	12 CP	262	0.014	308.18	311.93	311.90	307.50
607	616	12 CP	182	0.006	307.88	308.93	311.90	307.50
608	607	12 CP	6	-.020	307.82	307.70	312.02	307.62
609	608	12 CP	29	0.014	307.31	307.72	312.06	306.56
609	610	8 CMP	7	0.013	309.81	309.90	312.06	306.56
610							311.86	310.00
612	613	8 CMP	42	0.046	312.28	314.21	316.88	311.23
612	614	12 CMP	334	0.034	311.18	322.58	316.88	311.23
613							316.81	314.21
614	615	8 CMP	42	0.025	322.76	323.84	325.48	321.73
615							325.54	323.84
616	617	8 CP	24	0.026	309.28	309.91	311.16	307.73
617							311.36	309.91
618	619	12 CP	45	0.022	315.08	316.09	320.41	313.46
619	620	12 CP	28	0.029	316.33	317.14	320.23	315.08
619	621	12 CP	320	0.022	316.19	323.34	320.23	315.08
620							320.20	316.08
621	622	12 CP	29	0.007	323.22	323.43	327.36	322.38
621	623	12 CP	235	0.057	323.23	336.60	327.16	322.38
622							327.53	323.03
623	624	12 CP	29	0.012	336.68	337.04	339.90	336.10
623	625	12 CP	233	0.049	336.92	348.32	339.90	336.10
624							339.74	336.24
625	626	12 CP	28	0.025	348.59	349.29	352.15	347.50
625	627	12 CP	151	0.032	348.88	353.67	352.15	347.50
626							352.16	348.80
627	628	12 CP	40	0.026	353.73	354.75	357.23	353.03
627	629	12 CP	44	0.015	353.85	354.49	357.23	353.03
628							358.12	353.97
629	630	12 CP	133	0.040	354.56	359.84	358.14	353.91
630	631	12 CP	269	0.056	359.99	375.13	362.84	358.74
631	632	12 CP	149	0.040	375.13	381.12	381.18	374.63
632	633	12 CP	44	0.048	381.12	383.25	386.61	380.46
633							387.17	382.18
634	559	8 CP	25	0.034	375.07	375.92	377.42	373.32
634	560	12 CP	360	0.017	374.32	380.42	377.42	373.02

CP DENOTES CONCRETE PIPE
CMP DENOTES CORRUGATED METAL PIPE
PVC DENOTES PLASTIC PIPE

AREA CLASSIFICATION
(in acres unless otherwise indicated)

Gross total area	101.7
Roofs draining to drywells	-6.4
Net total area	95.3
Pervious area	60.9
Impervious area:	
Streets	14.2
Roofs, driveways, walks, parking lots	26.6
Total impervious area	40.8
Roofs draining to drywells	-6.4
Net impervious area	34.4
Net effective impervious area	26.7
Net ineffective impervious area	7.7
Street length (miles)	3.7



SOILS

[Data from Snyder and others (1973)]

Map symbol	Soil series	Depth from surface (in.)	Texture	Estimated permeability (in./hour)	Estimated available water capacity (in. water/in. soil)
AmC[1]	Arents, Alderwood material, 6-15 percent slope	0 - 8	Gravelly sandy loam	2.0 - 6.3	0.09 - 0.11
		8 - 60	Weakly to strongly consolidated till	<0.06	--

[1] Symbol does not appear because AmC is the only soil type in the catchment.

Base from City of Bellevue
Engineering Department

PLATE 1.--PHYSICAL FEATURES, DATA-COLLECTION SITES, AND SEGMENTATION OF THE AREA FOR THE RAINFALL-RUNOFF MODEL FOR LAKE HILLS.