

AERONAUTICAL DATA SHEET
 NATIONAL GEODETIC SURVEY

DATE GENERATED: 04/21/2005

PROJECT NUMBER: 671
 ARPT IDENTIFIER: HVN
 ARPT NAME: TWEED-NEW HAVEN AIRPORT
 CITY: NEW HAVEN
 STATE: CONNECTICUT
 ARPT ELEVATION: 12.3
 AIRPORT REFERENCE POINT

DISTANCE FROM RWY END: 20+0
 LATITUDE: 411549.5
 LONGITUDE: -725312.5

SITE NUMBER: 02858.A
 SURVEY DATE: 09/06/2004
 HORIZONTAL DATUM: NAD83
 VERTICAL DATUM: NAVD88
 ATCT FLOOR ELEV: 57.0
 DECLINATION: 14.3W

RUNWAY INFORMATION

RUNWAY: 2/20 LENGTH: 5600 WIDTH: 150 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA
 GEODETIC

DISPLACED THRESHOLD DATA

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
2	411521.7810	-725317.6887	6.3	25437	6.3				
20	411617.0384	-725313.9652	12.3	1825440	9.3	353	411613.5601	-725314.1996	9.3

PROFILE DATA

DISTANCES FROM APPROACH END 2

DISTANCES FROM APPROACH END 20

DISTANCE	ELEV
0	6.3
1361	3.9
3367	5.6
4716	6.7
5247	9.3
5600	12.3

DISTANCE	ELEV
0	12.3
353	9.3
884	6.7
2233	5.6
4239	3.9
5600	6.3

RUNWAY: 14/32 LENGTH: 3626 WIDTH: 100 SURFACE TYPE: SPECIALLY PREPARED HARD SURFACE - PAVED

RUNWAY END DATA

DISPLACED THRESHOLD DATA

GEODETIC

RWY	LATITUDE	LONGITUDE	ELEV	AZ (N)	TDZE	LENGTH	LATITUDE	LONGITUDE	ELEV
14	411601.4302	-725325.1868	4.9	1311054	5.7	361	411559.0823	-725321.6299	4.9
32	411537.8396	-725249.4543	4.4	3111117	5.7	300	411539.7909	-725252.4094	4.7

PROFILE DATA

DISTANCES FROM APPROACH END 14

DISTANCES FROM APPROACH END 32

DISTANCE	ELEV
0	4.9
361	4.9
988	5.6
3326	4.7
3626	4.4

DISTANCE	ELEV
0	4.4
300	4.7
2638	5.6
3265	4.9
3626	4.9
4163	3.9

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NAVIGATIONAL AID INFORMATION

ELECTRONIC	LATITUDE	LONGITUDE	ELEV	OFFSET DISTANCE	ALONG CNTRLN DISTANCE
DME (2)	411625.7376	-725310.8935	25.3		
GS (2)	411531.8175	-725320.4297	2.5		
GS (2) PP	411531.6868	-725317.0214	4.0	261L	1004
LOC (2)	411625.4275	-725313.3998	14.6		850
VOR/DME(HVN)	411544.3258	-725306.6864	13.0		

VISUAL	LATITUDE	LONGITUDE
ALS (2)		
APBN	411556.7577	-725305.3298
PAPI (2)		
VASI (20)		

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OBSTRUCTION INFORMATION

2 PIR

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	411619.17	-725320.33	1A	15		9	9	3	-5791		496L	3
FENCE	411618.49	-725309.89	1A	22		16	16	10	-5762		304R	10
OL ANT ON BLDG	411616.32	-725307.03	1A	61		55	55	49	-5554		*532R	49
TREE	411612.84	-725307.42	1A	87		81	81	75	-5201		*521R	78
TREE	411612.74	-725307.74	1A	84		78	78	72	-5190		497R	75
TREE	411611.02	-725308.38	1A	78		72	72	66	-5013		457R	70
OL AMOM	411601.11	-725309.79	1A	29		23	23	17	-4007		400R	23
OL WSK	411557.71	-725308.51	1A	27		21	21	15	-3668		*515R	21
BUSH	411557.46	-725322.37	1A	11		5	5	-1	-3588		*540L	5
TREE	411553.86	-725322.22	1A	42		36	36	30	-3225		*511L	37
TREE	411553.61	-725320.96	1A	42		36	36	30	-3205		413L	37
TREE	411550.27	-725322.41	1A	47		41	41	35	-2862		*506L	42
TREE	411534.32	-725309.64	1A	36		30	30	24	-1299		*549R	32
ROD ON OL POLE	411532.11	-725320.51	1A	32		26	26	20	-1033		268L	28
ROD ON OL GS	411531.82	-725320.43	1A	25		19	19	13	-1004		261L	20
TREE	411531.89	-725324.18	1A	52		46	46	40	-996		*547L	48
TREE	411526.78	-725310.17	1A	65		59	59	53	-535		*548R	59
TREE	411526.54	-725310.84	1A	50		44	44	38	-508		498R	45
TREE	411524.47	-725323.74	1A	63		57	57	51	-249		475L	57
BUSH	411521.07	-725314.16	1A	19		13	13	7	58		273R	13
OL ON POLE	411521.35	-725324.25	1A	42		36	36	30	69		498L	36
TREE	411519.83	-725324.27	1A	39		33	33	27	222		492L	33
TREE	411518.56	-725312.67	1A	36		30	30	24	306		399R	27
BUSH	411517.93	-725314.03	1A	23		17	17	11	375		299R	13
TREE	411517.20	-725324.35	1A	41		35	35	29	489		484L	29
TREE	411514.69	-725325.91	1A	46		40	40	34	749		*591L	29
TREE	411513.64	-725310.76	1A	32		26	26	20	796		570R	14
TREE	411512.22	-725325.59	1A	43		37	37	31	997		554L	21
POLE	411508.25	-725323.12	1A	45		39	39	33	1389		345L	15
TREE	411501.32	-725328.18	1A	83		77	77	71	2109		695L	38

2 PIR (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	411500.36	-725326.61	1A	85		79	79	73	2200		570L	38
TREE	411458.69	-725323.66	1A	70		64	64	58	2357		337L	21
TREE	411457.39	-725316.30	1A	81		75	75	69	2460		232R	30
TREE	411455.00	-725319.78	1A	88		82	82	76	2715		22L	31
TREE	411455.01	-725321.38	1A	87		81	81	75	2720		144L	30
TREE	411454.59	-725317.76	1A	99		93	93	87	2749		134R	42
TREE	411452.69	-725308.80	1A	77		71	71	65	2906		828R	17
TREE	411452.05	-725318.98	1A	96		90	90	84	3010		54R	33
TREE	411449.33	-725326.43	1A	80		74	74	68	3314		500L	11

20 BV

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL ON POLE	411521.35	-725324.25	1A	42		30	33	30	-5669	-5317	498R	36
BUSH	411521.07	-725314.16	1A	19		7	10	7	-5658	-5306	273L	13
TREE	411524.47	-725323.74	1A	63		51	54	51	-5351	-4999	475R	57
TREE	411526.54	-725310.84	1A	50		38	41	38	-5092	-4740	498L	45
TREE	411526.78	-725310.17	1A	65		53	56	53	-5065	-4713	*548L	59
TREE	411531.89	-725324.18	1A	52		40	43	40	-4604	-4251	*547R	48
ROD ON OL GS	411531.82	-725320.43	1A	25		13	16	13	-4596	-4244	261R	20
ROD ON OL POLE	411532.11	-725320.51	1A	32		20	23	20	-4567	-4215	268R	28
TREE	411534.32	-725309.64	1A	36		24	27	24	-4301	-3949	*549L	32
TREE	411550.27	-725322.41	1A	47		35	38	35	-2738	-2386	*506R	42
TREE	411553.61	-725320.96	1A	42		30	33	30	-2395	-2043	413R	37
TREE	411553.86	-725322.22	1A	42		30	33	30	-2375	-2022	*511R	37
BUSH	411557.46	-725322.37	1A	11		-1	2	-1	-2012	-1659	*540R	5
OL WSK	411557.71	-725308.51	1A	27		15	18	15	-1932	-1580	*515L	21
OL AMOM	411601.11	-725309.79	1A	29		17	20	17	-1593	-1241	400L	23
TREE	411611.02	-725308.38	1A	78		66	69	66	-587	-234	457L	70
TREE	411612.74	-725307.74	1A	84		72	75	72	-410	-58	497L	75
TREE	411612.84	-725307.42	1A	87		75	78	75	-399	-47	*521L	78
OL ANT ON BLDG	411616.32	-725307.03	1A	61		49	52	49	-46	307	*532L	49
FENCE	411618.49	-725309.89	1A	22		10	13	10	162	515	304L	10
FENCE	411619.17	-725320.33	1A	15		3	6	3	191	544	496R	3
RD(N)	411620.47	-725313.59	1A	24		12	15	12	348	701	11L	4

20	BV	(CONTINUED)											
OBJECT			LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN PNTR
TREE			411622.49	-725307.60	1A	70		58	61	58	576	928	457L 39
TREE			411623.02	-725306.31	1A	89		77	80	77	634	987	*553L 55
LOC			411625.43	-725313.40	1A	24		12	15	12	850	1203	0R -21
OL ON DME			411625.74	-725310.89	1A	29		17	20	17	891	1244	190L -18
ANT			411626.79	-725320.51	1A	93		81	84	81	960	1313	*550R 42
OL POLE			411627.36	-725312.50	1A	75		63	66	63	1049	1402	59L 21
OL POLE			411628.02	-725316.18	1A	87		75	78	75	1101	1454	226R 29
TREE			411629.88	-725309.30	1A	82		70	73	70	1317	1669	290L 14
TREE			411633.03	-725320.18	1A	167		155	158	155	1593	1945	556R 85
TREE			411634.42	-725317.91	1A	112		100	103	100	1742	2094	390R 23
TREE			411647.72	-725310.94	1A	143		131	134	131	3113	3465	73L -15
TREE			411653.72	-725319.13	1A	127		115	118	115	3688	4040	582R -60
TREE			411654.33	-725313.87	1A	146		134	137	134	3769	4122	184R -45

14 BV

OBJECT			LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN PNTR
TREE			411537.28	-725248.00	1A	26		21	20	14	-3747	-3386	30L 21
TREE			411556.44	-725323.54	1A	37		32	31	25	-428	-67	*297R 32
BUSH			411557.46	-725322.37	1A	11		6	5	-1	-427	-66	161R 6
OL ON LT			411557.97	-725324.38	1A	23		18	17	11	-277	84	224R 18
FENCE			411559.10	-725324.84	1A	10		5	4	-2	-175	186	160R 5
OL ON LT			411559.57	-725326.81	1A	24		19	18	12	-31	330	223R 19
TREE			411600.38	-725329.35	1A	51		46	45	39	169	530	*289R 47
OL ON LT			411601.17	-725329.21	1A	24		19	18	12	214	575	222R 18
FENCE			411601.92	-725329.09	1A	11		6	5	-1	257	618	159R 3
TREE			411603.26	-725333.58	1A	85		80	79	73	605	966	282R 60
ANT ON OL BLDG			411607.95	-725328.37	1A	72		67	66	60	617	978	*337L 46
OL POLE			411607.23	-725331.20	1A	36		31	30	24	732	1093	139L 4
POLE			411609.11	-725330.25	1A	48		43	42	36	803	1164	*330L 13
OL POLE			411608.31	-725336.72	1A	72		67	66	60	1121	1482	56R 21
TREE			411611.90	-725334.86	1A	119		114	113	107	1254	1614	311L 61
TREE			411607.82	-725341.11	1A	112		107	106	100	1341	1702	314R 50
TREE			411610.17	-725341.15	1A	123		118	117	111	1499	1860	137R 54
TREE			411614.63	-725336.58	1A	146		141	140	134	1534	1895	*432L 75

14 BV (CONTINUED)

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	411611.54	-725340.49	1A	121		116	115	109	1553	1914	1L	49
TREE	411612.90	-725340.48	1A	136		131	130	124	1643	2004	105L	59
TREE	411615.28	-725349.06	1A	124		119	118	112	2295	2656	146R	14
TREE	411617.50	-725348.50	1A	134		129	128	122	2411	2772	52L	19
TREE	411621.19	-725347.79	1A	136		131	130	124	2616	2977	369L	10
TREE	411622.50	-725349.86	1A	143		138	137	131	2823	3183	365L	7

32 C

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
TREE	411600.38	-725329.35	1A	51		47	45	39	-3795	-3495	*289L	47
OL ON LT	411559.57	-725326.81	1A	24		20	18	12	-3595	-3295	223L	19
FENCE	411559.10	-725324.84	1A	10		6	4	-2	-3451	-3151	160L	5
OL ON LT	411557.97	-725324.38	1A	23		19	17	11	-3349	-3049	224L	18
BUSH	411557.46	-725322.37	1A	11		7	5	-1	-3199	-2899	161L	6
TREE	411556.44	-725323.54	1A	37		33	31	25	-3198	-2899	*297L	32
TREE	411537.28	-725248.00	1A	26		22	20	14	121	421	30R	21
TREE	411533.43	-725248.82	1A	50		46	44	38	331	631	*304L	42
TREE	411533.38	-725247.92	1A	45		41	39	33	385	685	262L	35
TREE	411534.93	-725245.03	1A	44		40	38	32	448	748	1R	32
TREE	411535.83	-725243.69	1A	42		38	36	30	465	765	137R	29
TREE	411536.75	-725241.91	1A	56		52	50	44	506	806	*297R	42
TREE	411530.02	-725237.25	1A	73		69	67	61	1223	1523	18R	39
TREE	411525.76	-725240.23	1A	90		86	84	78	1335	1635	*456L	52
TREE	411528.53	-725232.03	1A	88		84	82	76	1622	1922	167R	42
TREE	411526.59	-725231.22	1A	109		105	103	97	1798	2098	60R	58
TREE	411524.90	-725231.89	1A	95		91	89	83	1872	2172	102L	41
TREE	411520.20	-725230.78	1A	108		104	102	96	2249	2549	404L	43
TREE	411518.18	-725230.11	1A	102		98	96	90	2422	2722	524L	32
TREE	411526.40	-725219.51	1A	107		103	101	95	2484	2783	*635R	35
TREE	411517.12	-725227.96	1A	91		87	85	79	2616	2916	497L	15
TREE	411514.55	-725227.28	1B	105		101	99	93	2826	3126	*658L	23
TREE	411520.88	-725218.83	1A	98		94	92	86	2890	3190	248R	14
TREE	411517.65	-725219.27	1A	92		88	86	80	3081	3381	19L	3
TREE	411514.90	-725209.83	1A	108		104	102	96	3806	4106	246R	-3

ARP HCT

OBJECT	LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
VOR/DME	411544.33	-725306.69	1A	32		20		15400	687	10
TREE	411550.27	-725322.41	1A	47		35		29013	761	41
TREE	411553.86	-725322.22	1A	42		30		31502	864	35
OL WSK	411557.71	-725308.51	1A	27		15		3425	885	19
TREE	411540.97	-725308.89	1A	59		47		17635	906	44
ANT + APBN ON OL ATCT	411556.76	-725305.33	1A	91		79		5100	916	48
TREE	411556.44	-725323.54	1A	37		25		32406	1097	25
TREE	411553.29	-725258.80	1A	77		65		8410	1114	7
TREE	411540.20	-725304.66	1A	56		44		16150	1115	3
TREE	411538.86	-725308.61	1A	60		48		17854	1117	41
TREE	411539.42	-725306.40	1A	77		65		16945	1122	34
TREE	411551.24	-725257.38	1A	70		58		9538	1168	12
TREE	411548.71	-725329.88	1A	99		87		28051	1330	12
TREE	411550.12	-725254.50	1A	77		65		10140	1376	10
TREE	411541.98	-725328.16	1A	81		69		25150	1418	19
TREE	411558.14	-725328.02	1A	71		59		32043	1473	46
TREE	411534.32	-725309.64	1A	36		24		18612	1552	25
TREE	411549.68	-725251.29	1A	81		69		10338	1620	-3
TREE	411539.03	-725328.69	1A	93		81		24341	1629	27
TREE	411547.34	-725250.66	1A	67		55		11146	1682	3
TREE	411600.38	-725329.35	1A	51		39		32451	1693	41
TREE	411545.96	-725250.09	1A	60		48		11608	1749	7
TREE	411538.14	-725331.99	1A	91		79		24637	1881	-9
TREE	411601.13	-725333.34	1A	80		68		32048	1980	40
TREE	411531.89	-725324.18	1A	52		40		22052	1993	41
ANT ON OL BLDG	411607.95	-725328.37	1A	72		60		34119	2226	40
TREE	411559.67	-725339.13	1B	114		102		31109	2279	8
TREE	411541.13	-725244.57	1A	47		35		12557	2295	7
TREE	411526.78	-725310.17	1A	65		53		18952	2306	53
TREE	411532.46	-725251.18	1A	49		37		15056	2372	9
TREE	411539.26	-725244.49	1A	56		44		13008	2377	36
TREE	411612.84	-725307.42	1A	87		75		2338	2394	75
POLE	411609.11	-725330.25	1A	48		36		33958	2404	10
TREE	411533.43	-725248.82	1A	50		38		14615	2433	37
OL ON LT	411612.95	-725321.69	1A	31		19		35750	2475	12
TREE	411536.75	-725241.91	1A	56		44		13312	2669	42
TREE	411538.91	-725240.27	1A	83		71		12749	2685	35

ARP	HCT	(CONTINUED)									
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
OL ANT ON BLDG		411616.32	-725307.03	1A	61		49		2302	2746	44
TREE		411522.04	-725309.78	1A	38		26		19001	2787	17
TREE		411522.04	-725325.96	1A	80		68		21435	2963	55
TREE		411519.94	-725309.78	1A	74		62		19019	3000	51
TREE		411520.16	-725306.72	1A	86		74		18550	3002	31
TREE		411618.98	-725322.44	1A	74		62		2	3079	39
TREE		411619.61	-725306.25	1A	72		60		2312	3084	45
TREE		411614.63	-725336.58	1A	146		134		33826	3138	68
TREE		411519.69	-725325.66	1A	64		52		21243	3180	44
TREE		411620.85	-725323.05	1A	92		80		3	3273	43
OL ON POLE		411517.67	-725326.51	1A	62		50		21240	3395	34
TREE		411525.65	-725241.25	1A	88		76		14937	3395	37
TREE		411623.02	-725306.31	1A	89		77		2214	3425	51
TREE		411525.76	-725240.23	1A	90		78		14834	3442	47
TREE		411617.53	-725338.42	1A	140		128		33923	3459	33
TREE		411514.69	-725325.91	1A	46		34		21030	3669	28
TREE		411514.95	-725327.93	1A	67		55		21255	3690	26
TREE		411514.78	-725330.59	1A	95		83		21545	3776	25
ANT		411626.79	-725320.51	1A	93		81		505	3824	41
TREE		411627.63	-725305.27	1A	76		64		2226	3899	10
TREE		411627.92	-725323.54	1A	185		173		204	3979	95
TREE		411629.54	-725322.31	1A	186		174		349	4122	101
TREE		411510.08	-725329.01	1A	90		78		21150	4184	42
TREE		411509.16	-725328.27	1A	88		76		21044	4257	48
TREE		411625.57	-725347.27	1A	150		138		33816	4514	-13
TREE		411633.86	-725324.98	1A	235		223		219	4590	99
TREE		411526.40	-725219.51	1A	107		95		13418	4674	29
OL ON ANT		411635.46	-725328.12	1A	249		237		35955	4802	87
TREE		411514.55	-725227.28	1B	105		93		14958	4943	21
TREE		411632.90	-725343.08	2C	168		156		34618	4974	6
TREE		411652.48	-725323.59	1A	156		144		644	6430	-6
TREE		411653.72	-725319.13	1A	127		115		950	6520	-35
TREE		411654.33	-725313.87	1A	146		134		1323	6562	-16
TREE		411653.74	-725328.58	1A	252		240		336	6616	89
TREE		411653.44	-725330.71	2C	269		257		210	6620	107
SPIRE		411641.68	-725218.18	2C	176		164		5226	6716	14
LT HOUSE		411456.28	-725413.60	1A	94		82		23512	7127	-68

ARP	HCT	(CONTINUED)									
OBJECT		LATITUDE	LONGITUDE	A	ELEV	AGL	HAA	MAG	BEARING	DISTANCE	PNTR
TREE		411700.92	-725329.39	1A	229		217		411	7343	66
TREE		411703.23	-725331.49	2C	229		217		318	7602	67
OL ON TWR		411658.52	-725414.35	1A	299	286	287		34014	8432	137
OL STK		411702.12	-725412.82	1A	404	394	392		34214	8674	242
TREE		411604.07	-725119.81	2C	209		197		9434	8732	47
SPIPE		411648.18	-725145.83	2C	202		190		6223	8893	40
TREE		411648.48	-725144.55	2C	213		201		6239	8985	51
TRMSN TWR		411718.09	-725221.65	2C	200		188		3742	9771	38
POLE		411703.64	-725147.36	2C	248		236		5511	9928	86
TREE		411705.30	-725148.17	2C	246		234		5417	10016	84
TRMSN TWR		411719.14	-725212.75	2C	277		265		4059	10156	115
TRMSN TWR		411733.16	-725314.28	1A	175		163		1333	10493	13
OL ON TRMSN TWR		411734.11	-725328.69	2C	235		223		738	10660	73
TREE		411733.76	-725338.67	2C	169		157		334	10740	6
TREE		411736.57	-725326.22	2C	210		198		846	10887	48
TREE		411736.51	-725244.42	2C	184		172		2529	11041	22
TREE		411739.36	-725328.42	2C	194		182		803	11186	32
TREE		411636.67	-725058.80	2C	193		181		7913	11270	26
OL ON TRMSN TWR		411723.17	-725136.87	2C	300		288		5153	11966	138
TREE		411744.59	-725231.25	2C	213		201		2925	12067	51
TREE		411800.35	-725315.35	2C	186		174		1321	13246	10
TREE		411802.99	-725259.39	2C	223		211		1832	13548	32
TREE		411801.33	-725239.69	2C	233		221		2456	13577	37
TREE		411800.09	-725207.13	2C	267		255		3459	14128	34
ANT ON BLDG		411752.02	-725443.65	2A	222	213	210		34500	14220	-22
TREE		411811.82	-725259.27	2C	253		241		1818	14440	17

ADDITIONAL INFORMATION:

AERONAUTICAL DATA IS AVAILABLE ON THE INTERNET AT [HTTP://WWW.NGS.NOAA.GOV](http://www.ngs.noaa.gov).

ADDITIONAL INFORMATION ON DATA STANDARDS CAN BE FOUND IN FAA NO. 405, "STANDARDS FOR AERONAUTICAL SURVEYS AND RELATED PRODUCTS".

AN ASTERISK "*" INDICATES THAT THIS OBJECT IS OUTSIDE, BUT WITHIN 50 FEET, OF THE OBSTRUCTION IDENTIFICATION SURFACE.