

**Final Application for New License for
Major Water Power Project — Existing Dam**

Vernon Project (FERC No. 1904)

EXHIBIT G: PROJECT AREA MAPS

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EXHIBIT G: MAPS OF LOCATION, BOUNDARY, FEDERAL LANDS, AND NONFEDERAL LAND OWNERSHIP

Section 5.18(a)(5)(iii) of Title 18 of the Code of Federal Regulations (CFR) refers to Section 4.51 (License for Major Project—Existing Dam) for a description of information that an applicant must include in Exhibit G of its license application. Exhibit G contains a set of Project maps that conform to requirements stated in Section 4.39.

G1 Project Area Maps

Exhibit G drawings are maps of the Project area showing the existing FERC Project boundary for the current license. No tentative boundary is indicated because there are no proposed developments and there are no other adjustments to the boundary.

G1.1 Federal Lands

No federal lands are located within the Project boundary.

G1.2 Non-Federal Lands

The Exhibit G drawings identify lands that Great River Hydro, LLC (Great River Hydro), owns in fee, and lands over which Great River Hydro has acquired, or plans to acquire rights to occupancy and use other than fee title, including rights acquired or to be acquired by easement or lease. These drawings are electronically filed separately as large format documents and Project boundary files as ArcGIS files (in zipfile format).

G2 Exhibit G Drawings

The Exhibit G maps and Project boundary description tables are identified as shown in Table G2.1.

Table G2-1. Exhibit G drawings.

Exhibit No.	Sheet No.	Title
G-1	Sheet 1	Exhibit G: Vernon Project – No. 1904 (Plant Area)
G-2	Sheet 2	Exhibit G: Vernon Project – No. 1904 (Project Boundary Sheet)
G-3	Sheet 3	Exhibit G: Vernon Project – No. 1904 (Project Boundary Sheet)
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G-19	Pages 1-4	Vernon Project, P-1904 - Project Boundary Description table

Vernon Project, P-1904

Map Projection: UTM Zone 18N

Project Boundary Description

Map Datum: NAD 83

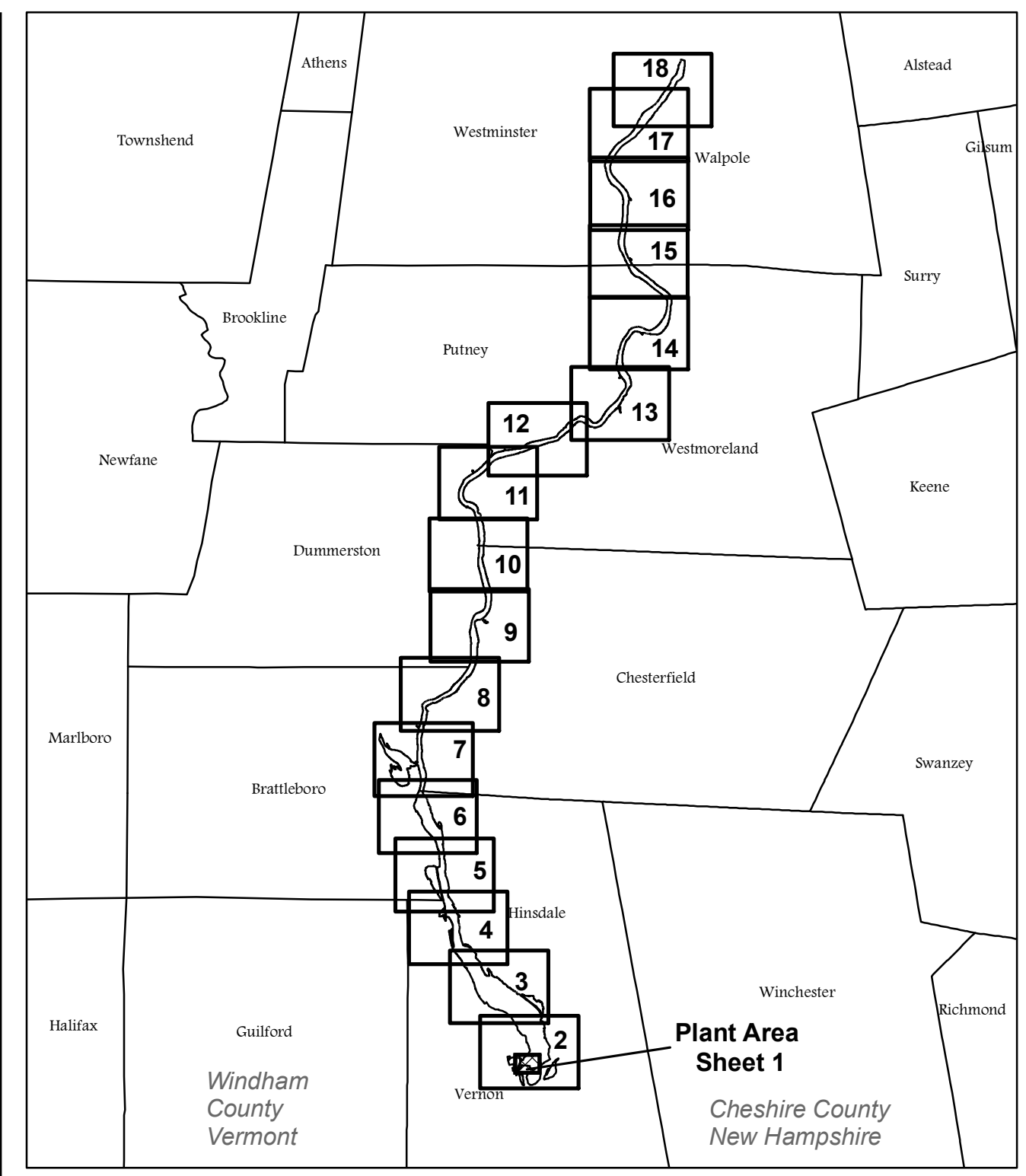
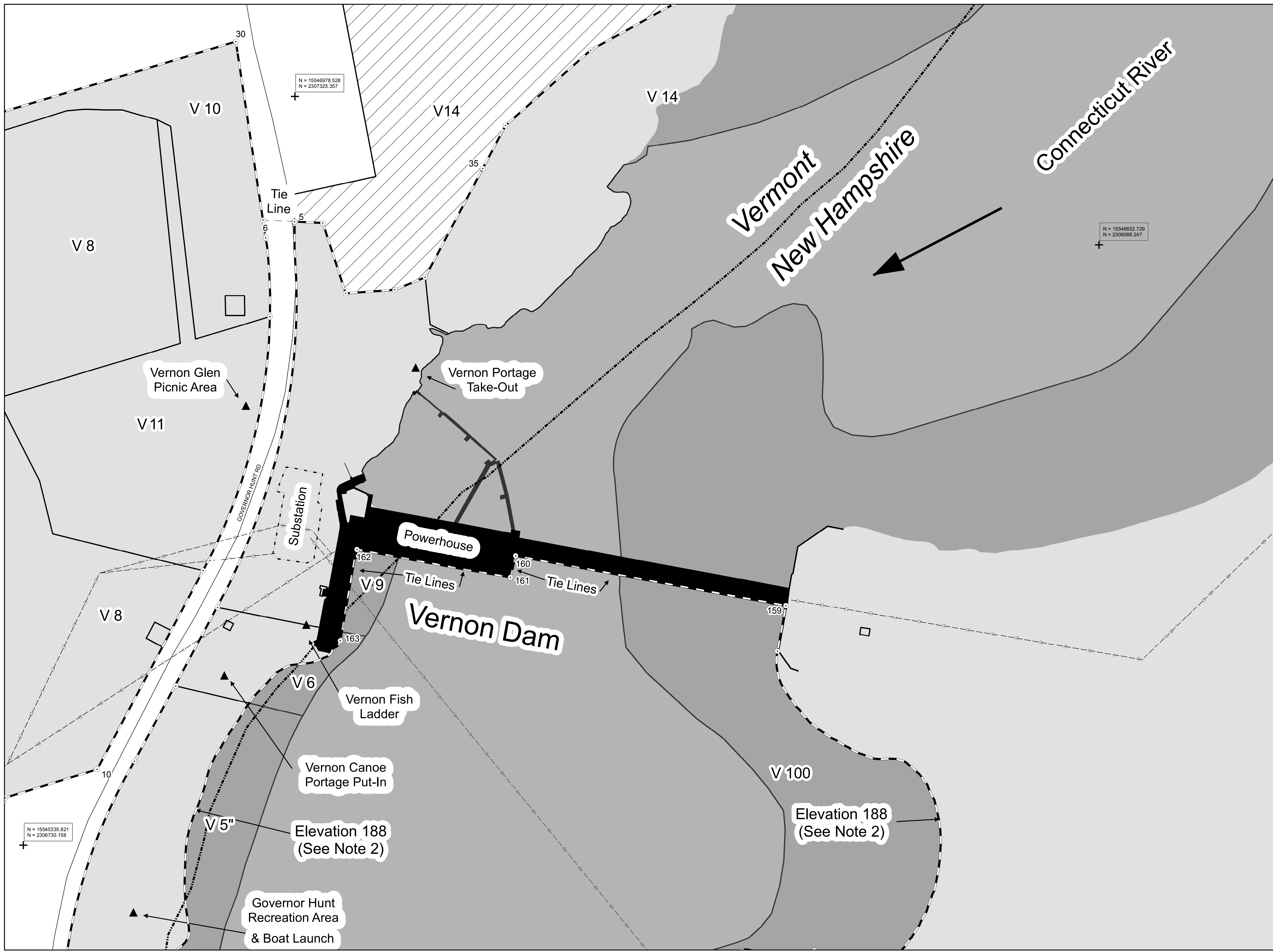
The Vernon Project Boundary (P-1904) generally follows the outside lines of Licensee's fee-owned land and otherwise to the elevation of the impoundment's inundation limit at normal operation where the Licensee holds flowage rights. This description begins at Turning Point '1', being the southwesterly corner of the Licensee's fee-owned tract V-5" along the easterly sideline of Governor Hunt Road in Vernon, Windham County, Vermont, and continues from point to point as described below:

Point No.	Northing (ft)	Easting (ft)	Direction	Distance (ft)	Description
1	15544865.908	2306815.534	Northerly	721	Along easterly sideline of Governor Hunt Road
2	15545520.451	2306973.548	N28-8E	172	Along easterly sideline of Governor Hunt Road
3	15545685.475	2307064.253	N28-1E	195	Along easterly sideline of Governor Hunt Road
4	15545857.502	2307155.837	Northerly	875	Along easterly sideline of Governor Hunt Road
5	15546703.808	2307324.493	N87-13W	69	Along Tie Line crossing Governor Hunt Road
6	15546707.001	2307255.250	S08-45E	39	Along westerly sideline of Governor Hunt Road
7	15546668.000	2307261.251	Southerly	173	Along westerly sideline of Governor Hunt Road
8	15546495.370	2307270.575	Southerly	581	Along westerly sideline of Governor Hunt Road
9	15545938.239	2307123.949	S28-1W	494	Along westerly sideline of Governor Hunt Road
10	15545502.381	2306891.916	S72-56W	211	
11	15545439.958	2306690.049	S25-17W	10	
12	15545430.791	2306685.777	S72-43W	240	
13	15545359.691	2306457.581	N16-37W	145	
14	15545499.678	2306419.424	N15-11W	145	
15	15545691.109	2306361.476	N72-41E	225	
16	15545757.889	2306575.814	N16-28W	195	
17	15545944.999	2306521.001	N16-28W	195	
18	15546132.088	2306465.744	S72-44W	441	
19	15546001.000	2306044.499	N14-56W	560	Along easterly sideline of Fort Bridgman Road
20	15546542.462	2305900.293	N72-54E	100	
21	15546572.291	2305996.031	N16-42W	47	
22	15546618.664	2305982.026	N71-11E	96	
23	15546652.694	2306072.028	N16-55W	101	
24	15546750.338	2306042.541	S73-27W	39	
25	15546739.144	2306005.466	S73-21W	157	
26	15546693.676	2305854.912	N11-56W	278	Along easterly sideline of Fort Bridgman Road
27	15546950.028	2305800.793	N73-59E	290	
28	15547031.332	2306081.218	S18-40E	273	
29	15546786.719	2306163.025	N73-11E	1,078	
30	15547098.568	2307195.745	S08-38E	396	Along westerly sideline of Governor Hunt Road
6	15546707.001	2307255.250	S87-13E	69	Along Tie Line crossing Governor Hunt Road
5	15546703.808	2307324.493	S87-13E	62	
31	15546701.000	2307386.250	S17-58E	163	
32	15546546.423	2307436.391	N85-45E	108	
33	15546554.134	2307544.114	N67-15E	72	
34	15546581.700	2307610.627	N27-51E	270	
35	15546820.544	2307737.030	N27-53E	106	
36	15546914.537	2307786.769	N48-32E	249	
37	15547079.581	2307973.389	N60-54E	208	
38	15547180.775	2308155.117	N27-38E	442	
39	15547573.464	2308360.162	N01-42E	42	
40	15547615.121	2308361.610	N02-3E	133	

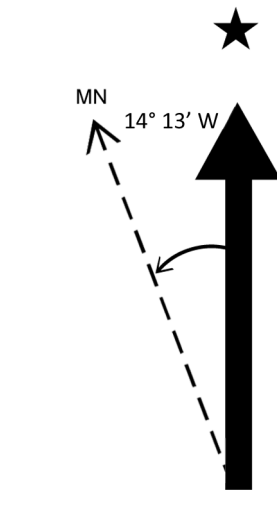
Point No.	Northing (ft)	Easting (ft)	Direction	Distance (ft)	Description
41	15547748.357	2308366.237	N16-42W	434	
42	15548159.501	2308243.059	N21-30W	388	
43	15548525.034	2308098.542	N21-20W	78	
44	15548597.690	2308070.753	S64-20W	92	
45	15548558.274	2307987.607	N06-56W	673	
46	15549222.867	2307906.656	NO6-53W	115	
47	15549339.700	2307892.424	N66-54W	194	
48	15549416.242	2307714.164	S84-26W	165	
49	15549400.110	2307549.955	N44-25W	293	
50	15549609.496	2307345.184	N44-2W	63	
51	15549653.986	2307301.674	N39-43W	460	
52	15550007.959	2307007.856	N13-35W	395	
53	15550391.766	2306914.897	N43-04W	246	
54	15550571.755	2306746.863	N27-02W	298	
55	15550837.118	2306611.488	N35-25W	158	
56	15550966.462	2306519.645	N26-60W	299	
57	15551231.876	2306384.371	N26-56W	274	
58	15551475.529	2306260.188	N27-15W	56	
59	15551525.902	2306234.514	S85-54W	168	
60	15551514.068	2306067.373	N28-36W	132	
61	15551629.676	2306003.979	N28-57W	70	
62	15551691.038	2305970.335	N47-50W	371	
63	15551939.622	2305695.202	N61-14W	465	
64	15552164.071	2305287.331	N72-54W	500	
65	15552311.291	2304809.469	N82-59W	360	
66	15552354.733	2304452.279	N66-59W	222	
67	15552441.779	2304247.420	N66-55W	186	
68	15552514.518	2304076.232	N67-29W	81	
69	15552546.309	2304001.412	N55-12W	350	
70	15552745.711	2303713.766	N31-39W	101	
71	15552831.848	2303660.760	N31-38W	230	
72	15553028.083	2303540.000	N41-36W	182	
73	15553163.542	2303419.176	S46-19W	54	
74	15553126.948	2303380.377	S46-40W	194	
75	15552994.188	2303239.622	N37-36W	95	Along easterly sideline of Railroad ROW
76	15553069.033	2303181.807	N37-38W	179	Along easterly sideline of Railroad ROW
77	15553210.730	2303072.196	N82-34W	23	Along easterly sideline of Railroad ROW
78	15553214.027	2303049.135	N37-51W	443	Along easterly sideline of Railroad ROW
79	15553564.358	2302777.304	N34-16W	287	Along easterly sideline of Railroad ROW
80	15553801.057	2302615.705	N54-53E	28	Along easterly sideline of Railroad ROW
81	15553816.117	2302637.205	N35-51W	101	Along easterly sideline of Railroad ROW
82	15553898.931	2302579.289	S69-1W	20	Along easterly sideline of Railroad ROW
83	15553892.103	2302561.082	N27-58W	374	Along easterly sideline of Railroad ROW
84	15554222.124	2302385.831	N24-23W	423	Along easterly sideline of Railroad ROW
85	15554606.626	2302211.225	N24-31W	88	Along easterly sideline of Railroad ROW
86	15554686.912	2302174.762	N71-21E	22	Along easterly sideline of Railroad ROW
87	15554693.585	2302194.608	N21-44W	292	Along easterly sideline of Railroad ROW
88	15554964.833	2302087.618	N48-5E	33	Along easterly sideline of Railroad ROW
89	15554987.239	2302111.884	N18-42W	472	Along easterly sideline of Railroad ROW
90	15555434.352	2301960.668	S81-40W	21	Along easterly sideline of Railroad ROW
91	15555430.618	2301940.133	N18-58W	127	Along easterly sideline of Railroad ROW

Point No.	Northing (ft)	Easting (ft)	Direction	Distance (ft)	Description
92	1555550.869	2301899.015	N20-5W	127	Along easterly sideline of Railroad ROW
93	15555670.263	2301855.473	N21-8W	128	Along easterly sideline of Railroad ROW
94	15555788.752	2301809.524	N22-25W	127	Along easterly sideline of Railroad ROW
95	15555906.287	2301761.185	N23-27W	128	Along easterly sideline of Railroad ROW
96	15556022.818	2301710.478	N24-45W	127	Along easterly sideline of Railroad ROW
97	15556138.299	2301657.423	N25-46W	128	Along easterly sideline of Railroad ROW
98	15556252.683	2301602.041	N27-4W	127	Along easterly sideline of Railroad ROW
99	15556365.924	2301544.355	N51-20E	24	Along easterly sideline of Railroad ROW
100	15556379.934	2301561.865	N34-38W	762	Along easterly sideline of Railroad ROW
101	15557005.942	2301131.417	N48-47E	80	Along easterly sideline of Railroad ROW
102	15557060.832	2301190.376	Northerly	4,089	Along 221' Contour
103	15560484.162	2299299.758	N87-32E	15	Along Tie Line crossing Connecticut River to island
104	15560484.787	2299315.209	Various	4,182	Along 221' Contour
104	15560484.787	2299315.209	S87-32W	15	Along Tie Line crossing Connecticut River to VT mainland
103	15560484.162	2299299.758	Various	6,524	Along 221' Contour
105	15562949.489	2298046.129	N2-17E	86	Along Tie Line across Fort Bridgman Road bridge
106	15563035.761	2298049.563	Various	3,736	Along 221' Contour
107	15564781.265	2298520.579	N86-37W	77	Along Tie Line crossing Railroad ROW
108	15564785.819	2298443.486	N86-37W	135	
109	15564794.262	2298308.087	N32-52W	731	Along easterly sideline of Vernon Street
110	15565408.405	2297911.629	N72-13E	42	Along easterly sideline of Vernon Street
111	15565421.085	2297951.223	Various	4,667	Along 221' Contour
112	15568700.370	2297426.046	Various	1,049	Along 221' Contour
113	15567816.771	2297795.960	Southerly	2,348	Along 221' Contour
114	15565525.300	2298276.498	S12-44E	758	Along westerly sideline of Railroad ROW
108	15564785.819	2298443.486	S86-37E	77	Along Tie Line crossing Railroad ROW
107	15564781.265	2298520.579	Northerly	3,840	Along easterly sideline of Railroad ROW
115	15568546.369	2297768.776	N81-31E	315	
116	15568594.797	2298093.617	Various	28,970	Along 221' Contour
117	15583191.178	2291213.250	N11-4E	586	Along Tie Line crossing the West River
118	15583760.921	2291325.744	Various	36,934	Along 221' Contour
119	15605265.197	2302456.844	N5-59E	26	Along Tie Line on easterly sideline of Railroad ROW
120	15605290.547	2302459.501	Various	15,933	Along 221' Contour
121	15616227.096	2305485.712	N75-36E	58	Along Tie Line on easterly sideline of Railroad ROW
122	15616241.507	2305541.820	Various	66,499	Along 221' Contour
123	15660663.478	2325644.524	S76-16E	402	Along Tie Line crossing the Connecticut River at the Rt. 123 Walpole Bridge
124	15660568.163	2326034.625	Various	54,107	Along 221' Contour
125	15620394.078	2318772.830	S63-35W	43	Along Tie Line on westerly sideline of River Road
126	15620375.076	2318734.570	Various	68,777	Along 221' Contour
127	15574805.274	2297116.861	S49-36E	108	
128	15574735.109	2297198.984	S20-51E	45	
129	15574692.800	2297214.957	S20-27E	61	
130	15574583.107	2297247.736	S12-6E	80	Along Tie Line crossing Brattleboro Road
131	15574504.286	2297264.645	S08-18E	126	
132	15574360.016	2297287.030	S16-6E	128	
133	15574237.068	2297322.530	Various	11,411	Along 221' Contour
134	15565136.185	2299126.713	N70-15E	28	
135	15565144.700	2299152.975	S36-13E	547	
136	15564700.853	2299478.099	S32-11E	235	
137	15564502.257	2299603.058	S21-14E	183	

Point No.	Northing (ft)	Easting (ft)	Direction	Distance (ft)	Description
138	15564331.951	2299669.231	S66-52W	118	
139	15564285.601	2299560.758	Various	18,088	Along 221' Contour
140	15554040.053	2306974.298	N61-14E	149	
141	15554111.723	2307104.822	S85-2E	284	Along Tie Line crossing Railroad ROW
142	15554088.171	2307387.767	Various	8,299	Along 221' Contour
142	15554088.171	2307387.767	N85-2W	284	Along Tie Line crossing Railroad ROW
141	15554111.723	2307104.822	Various	6,715	Along 221' Contour
143	15549075.928	2310025.298	N89-10E	207	
144	15549078.185	2310182.274	S12-20E	303	
145	15548781.633	2310247.089	S34-3E	641	
146	15548251.244	2310605.848	S34-6E	107	
147	15548162.344	2310665.979	S02-28E	192	
148	15547969.654	2310674.357	S39-55W	188	
149	15547825.557	2310553.718	S04-14W	362	
150	15547465.309	2310526.907	S14-32W	114	
151	15547354.724	2310498.424	S11-36W	159	
152	15547197.113	2310467.256	S20-33E	143	
153	15547064.852	2310516.856	S21-43E	272	
154	15546811.842	2310617.388	S30-49E	118	
155	15546711.307	2310677.710	S28-27E	48	
156	15546681.473	2310692.100	N86-45E	839	Along Tie Line crossing Connecticut River to island
157	15546721.617	2311533.686	Various	7,811	Along 188' Contour
157	15546721.617	2311533.686	S86-45W	839	Along Tie Line crossing Connecticut River to NH mainland
156	15546681.473	2310692.100	Various	7,126	Along 188' Contour
158	15545761.565	2308383.263	N10-22E	102	
159	15545861.418	2308401.539	N79-33W	602	Along Tie Line at base of Vernon Dam
160	15545970.602	2307809.148	S13-31W	49	Along Tie Line at easterly side of Vernon Powerhouse
161	15545923.426	2307797.802	N79-39W	342	Along Tie Line at southerly side of Vernon Powerhouse
162	15545984.887	2307461.181	S10-18W	207	Along Tie Line at easterly side of Vernon Fishladder
163	15545784.494	2307424.769	Various	862	Along 188' Contour
164	15545090.410	2307050.812	S35-12E	181	Along Tie Line crossing Connecticut River to island
165	15544941.206	2307154.343	Various	3,092	Along 188' Contour
165	15544941.206	2307154.343	N35-12W	181	Along Tie Line crossing Connecticut River to VT mainland
164	15545090.410	2307050.812	Westerly	459	Along centerline of brook to point of beginning



Index Not to Scale



Map Projection:
UTM Zone 18N, NAD 83 feet

Vertical Datum:
NGVD 1929

- Notes:
- 1) The Licensee possesses all necessary land rights for operation and maintenance of the Project. The property lines and the limits of the flowage rights are shown for geographical purposes only, and are based upon historic project maps and Licensee's records, tax assessor's information, and deeds and plans of record. Reference should be made to the specific title information for precise descriptions of each tract.
 - 2) The Project Boundary generally follows the outside lines of Licensee's fee-owned land and otherwise to the elevation of the impoundment's inundation limit at normal operation where the Licensee holds flowage rights. However, the exact location of a line delineating the outside limits of such flowage rights cannot be precisely determined since it changes under varying stream flow, ice, and other conditions. The 221 foot contour line is utilized for depicting that inundation limit elevation for the purposes of this Exhibit "G". Below the Vernon Dam, the Project Boundary follows the shoreline around the Licensee's fee-owned property (including islands), depicted as the 188-foot contour line for the purposes of this Exhibit "G".
 - 3) Existing Project recreation facilities, including private access roads, are wholly contained within the Project Boundary.
 - 4) The state boundary is depicted here for reference only. The actual state boundary is "along the western side of the [Connecticut] River at low water mark." See U.S. Supreme Court 290 U.S. 579 for details.
 - 5) Available USGS quadrangle information was supplemented with most current publicly-available GIS data from USGS, New Hampshire GRANIT, and the Vermont Center for Geographic Information, including hydrography, transportation and transmission infrastructure features, and aerial imagery. Furthermore, the Licensee acquired and developed a series of data sets, including high resolution LIDAR imagery (taken between April 29, 2013 and May 7, 2013) and LIDAR-derived topographic data that was interpolated for development of the contour-based portions of the Project Boundary.

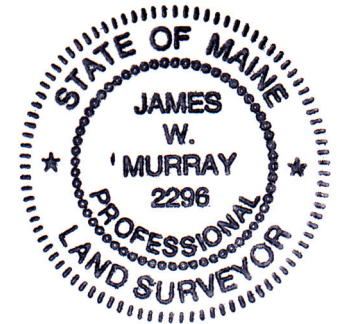
EXHIBIT G SHEET 1 OF 18

Great River Hydro, LLC
Vernon Project-No.1904

1 inch = 100 feet 1:1,200

Legend

Ownership	Project Boundary	Dam/Bridge	Water Bodies	Transmission Line	Windham County County Name
Flowage Rights	Turning Point (See Project Boundary table for Turning Point metes and Bounds)	Project Recreation Area	Stream or River	State Line	River Rd/RIVER RD Street Name
Fee Ownership	Tie Line	Non-Project Recreation Area	Roads	Town Boundaries	Lily Pond Brook Brook/Stream Name
V 120 Parcel ID		Reference Point	Railroad	Vermont Town Name	

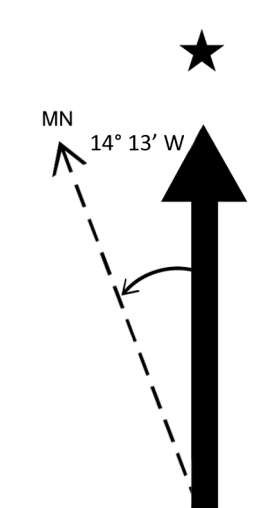
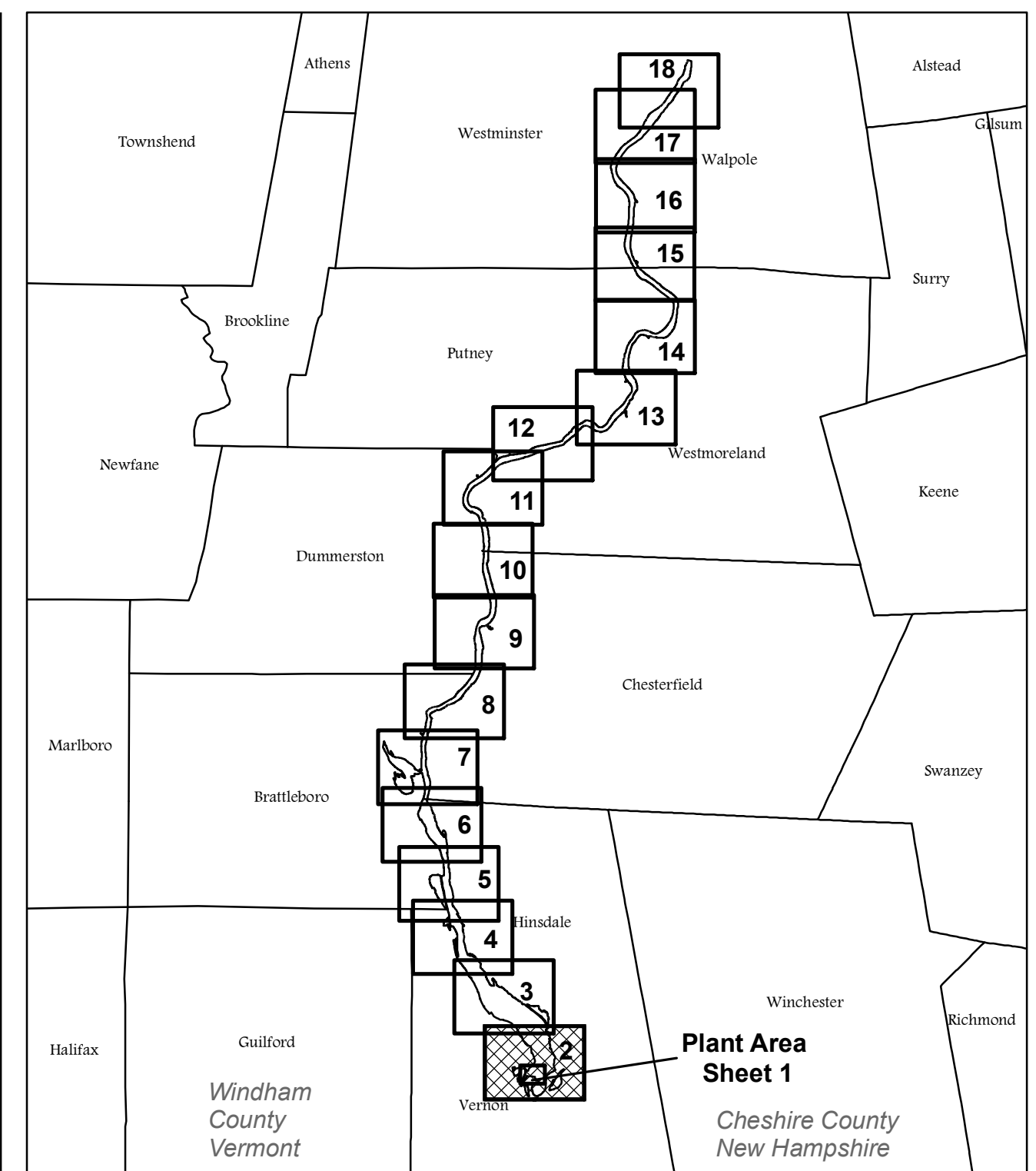


BY James W. Murray, PLS ME 2296 Date 4/26/2017

SURVEYOR'S STATEMENT:

I hereby state that the Project Boundary delineation for the Vernon Project (FERC #P-1904 as shown on this Exhibit "G" drawing was developed within reasonable accuracies as required in 18 CFR 4.41, geographically positioned in reference to USGS quadrangle mapping within ±40 feet, and adjusted and/or related to best fit the USGS quadrangle map features and other supplemental data listed as item 5 under "Notes". This Exhibit "G" is not a boundary survey; no field survey or field verification was conducted. Approximate bearings and distances shown were generated using mapping software and do not represent dimensions from deeds or plans. The Project Boundary and property interests depicted on this drawing should not be used for purposes of developing property boundary descriptions.





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- 1) The Licensee possesses all necessary land rights for operation and maintenance of the Project. The property lines and the limits of the flowage rights are shown for geographical purposes only, and are based upon historic project maps and Licensee's records, tax assessor's information, and deeds and plans of record. Reference should be made to the specific title information for precise descriptions of each tract.
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EXHIBIT G SHEET 2 OF 18

Great River Hydro, LLC
Vernon Project-No.1904

0 200 400 800 1,200 1,600 2,000 Feet

1 inch = 400 feet 1:4,800

Legend

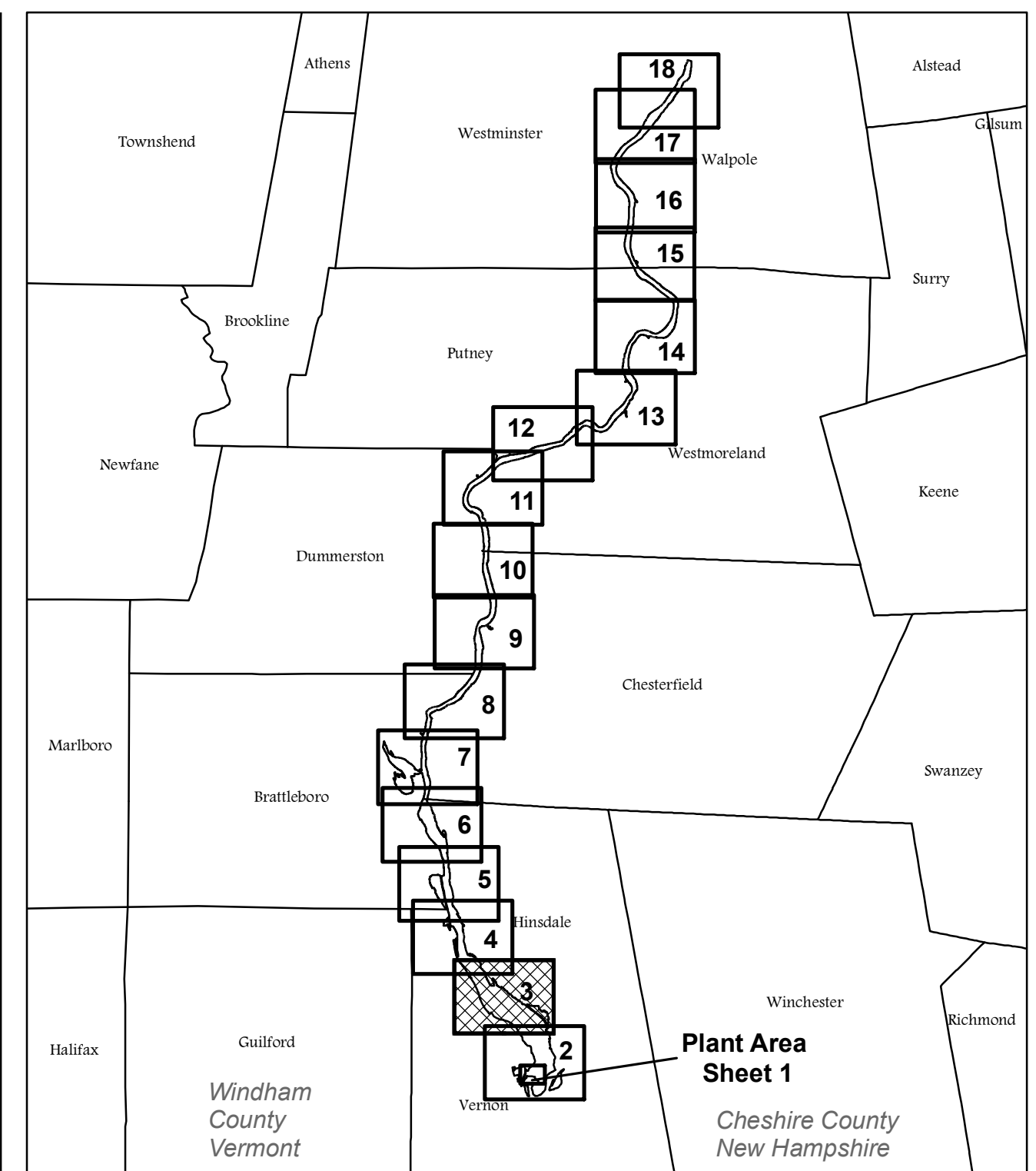
Flowage Rights	Project Boundary	Dam/Bridge	Water Bodies	Transmission Line	Windham County County Name
Fee Ownership	Turning Point (See Project Boundary table for Turning Point metes and Bounds)	Project Recreation Area	Stream or River	State Line	River Rd/RIVER RD Street Name
Parcel ID	Tie Line	Non-Project Recreation Area	Roads	Town Boundaries	Lily Pond Brook Brook/Stream Name
		Reference Point	Railroad	Vermont Town Name	

SEWALL
Division of Geographic Information Systems
JWS REFERENCE: 83662T

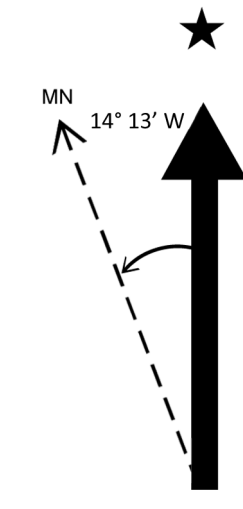
STATE OF MAINE
JAMES W. MURRAY
 2296
 PROFESSIONAL LAND SURVEYOR

BY James W. Murray, PLS ME 2296 Date 4/26/2017

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Index Not to Scale



Map Projection:
UTM Zone 18N, NAD 83 feet

Vertical Datum:
NGVD 1929

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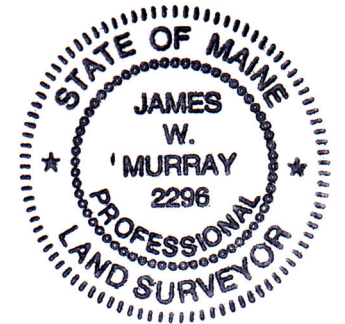
EXHIBIT G **SHEET 3 OF 18**

Great River Hydro, LLC
Vernon Project-No.1904

1 inch = 400 feet 1:4,800

Legend

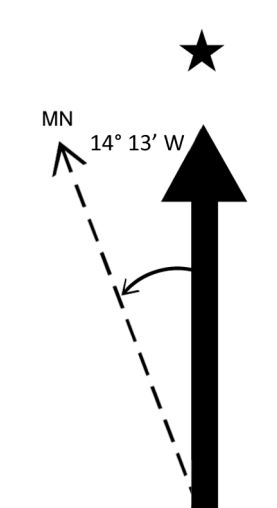
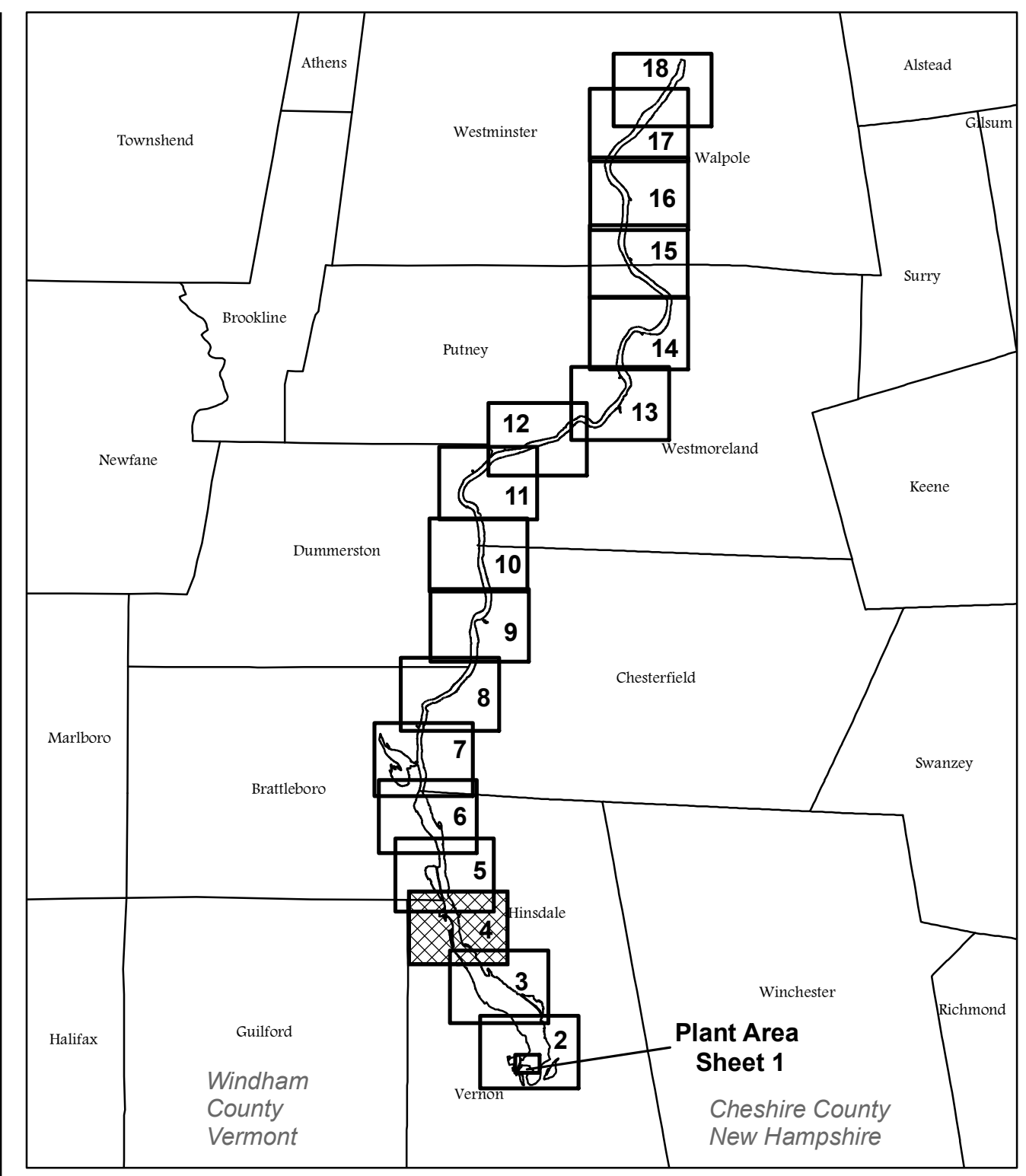
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V 120 Parcel ID	Tie Line	Non-Project Recreation Area	Roads	Town Boundaries	Lily Pond Brook	Brook/Stream Name
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BY James W. Murray, PLS ME 2296
Date 4/26/2017

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EXHIBIT G SHEET 4 OF 18

Great River Hydro, LLC
Vernon Project-No.1904

0 200 400 800 1,200 1,600 2,000 Feet

1 inch = 400 feet 1:4,800

Legend

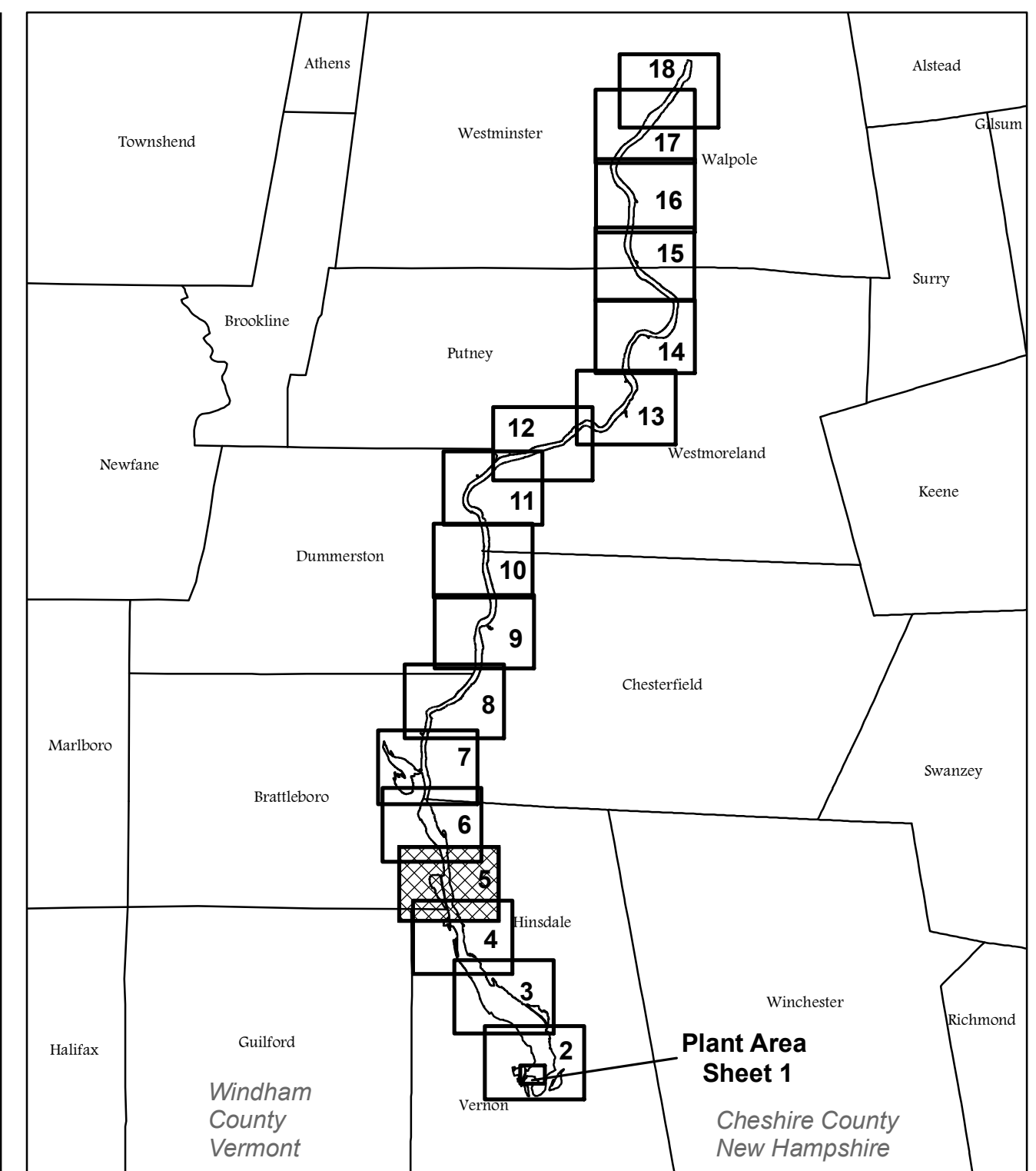
Flowage Rights	Project Boundary	Dam/Bridge	Water Bodies	Transmission Line	Windham County	County Name
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SEWALL
JWS REFERENCE: 83662T

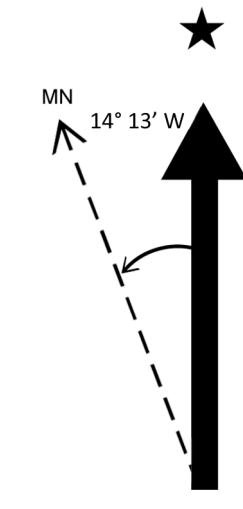
STATE OF MAINE
JAMES W. MURRAY
2296
PROFESSIONAL
LAND SURVEYOR

BY: James W. Murray, PLS ME 2296 Date: 4/26/2017

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Index Not to Scale



Map Projection:
UTM Zone 18N, NAD 83 feet

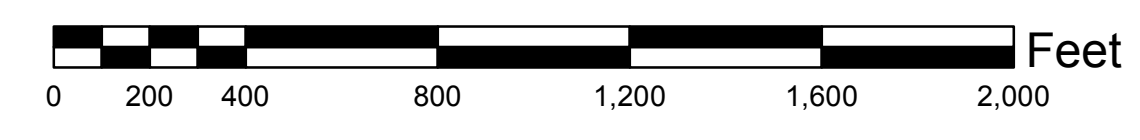
Vertical Datum:
NGVD 1929

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EXHIBIT G SHEET 5 OF 18

Great River Hydro, LLC
Vernon Project-No.1904

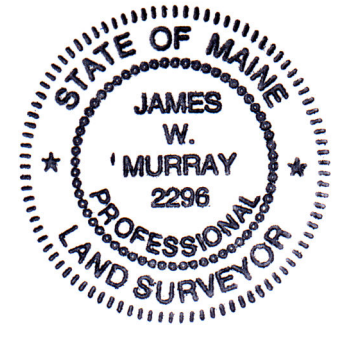


1 inch = 400 feet

1:4,800

Legend

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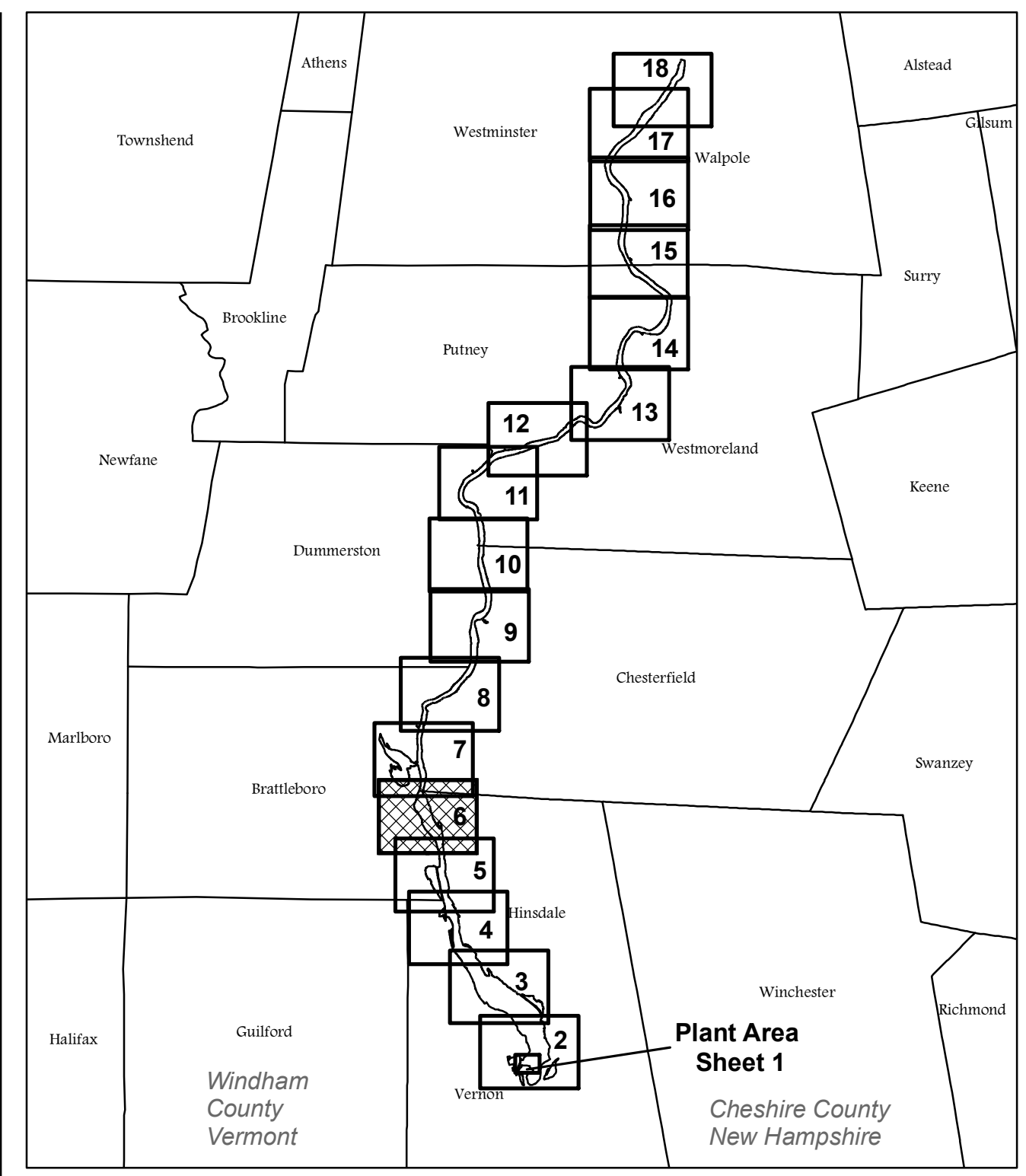


BY James W. Murray, PLS ME 2296
Date 4/26/2017

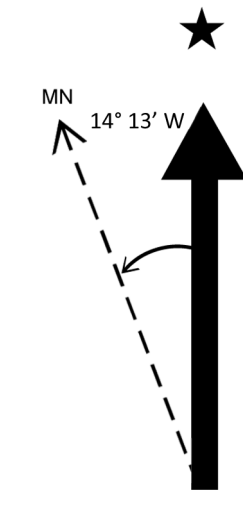
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Index Not to Scale



Map Projection:
UTM Zone 18N, NAD 83 feet

Vertical Datum:
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EXHIBIT G SHEET 6 OF 18

Great River Hydro, LLC
Vernon Project-No.1904

1 inch = 400 feet 1:4,800

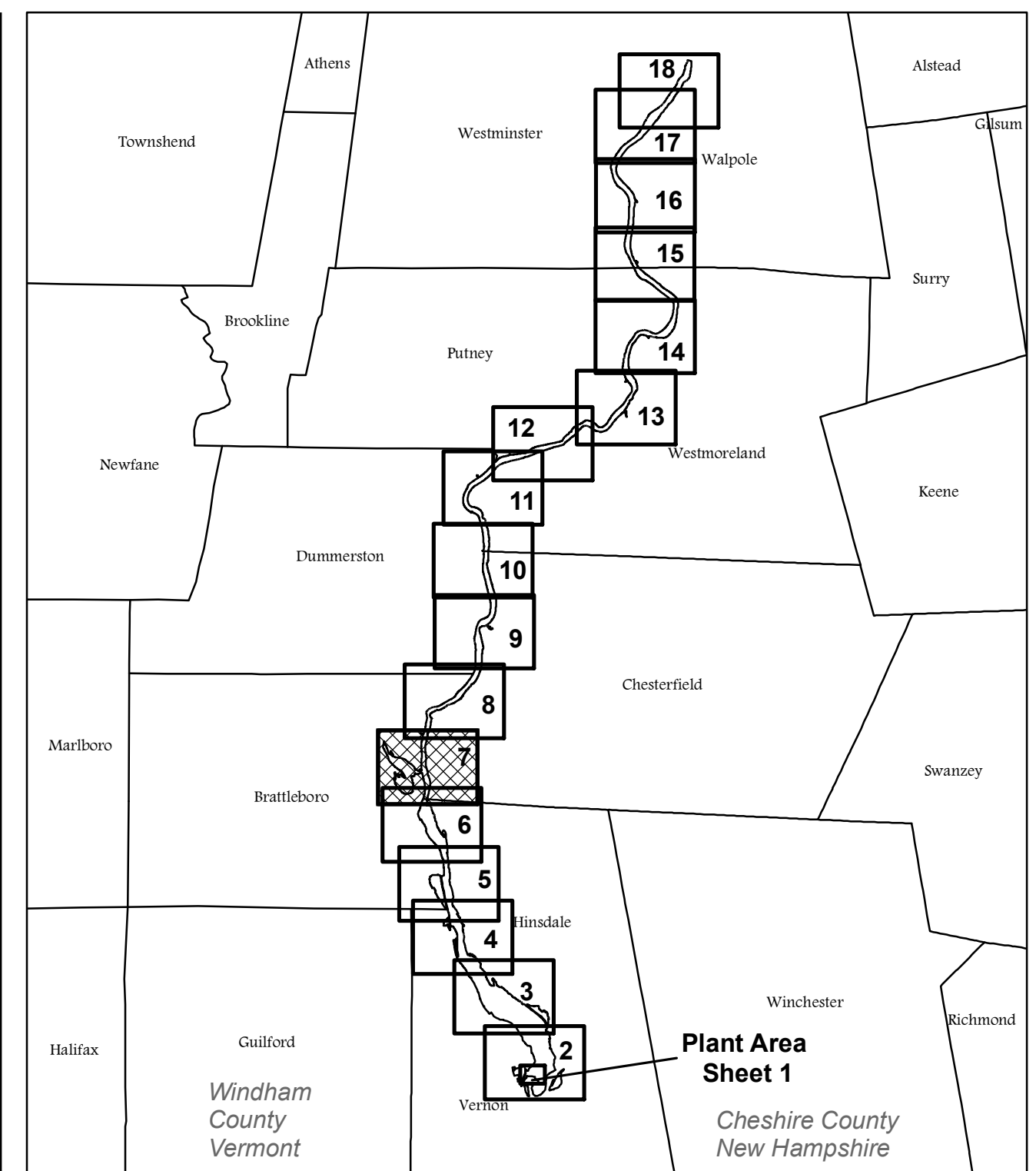
Ownership		Project Boundary		Dam/Bridge		Water Bodies		Transmission Line		<i>Windham County</i>	County Name
	Flowage Rights		Project Boundary		Dam/Bridge		Water Bodies		Transmission Line	<i>River Rd/RIVER RD</i>	Street Name
	Fee Ownership		Turning Point (See Project Boundary table for Turning Point metes and Bounds)		Project Recreation Area		Stream or River		State Line	<i>Lily Pond Brook</i>	Brook/Stream Name
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					Reference Point		Railroad		Vernon		

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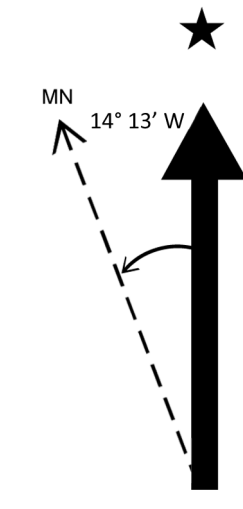
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BY: James W. Murray, PLS ME 2296 4/26/2017 Date





Index Not to Scale



Map Projection:
UTM Zone 18N, NAD 83 feet

Vertical Datum:
NGVD 1929

Notes:

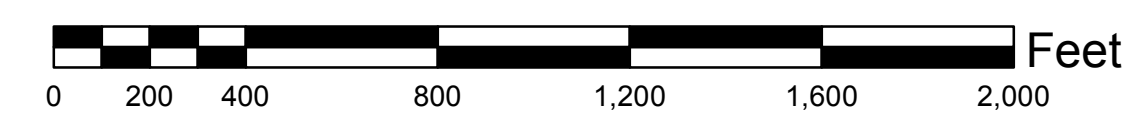
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N = 2301237.082

N = 15577309.606
N = 2291131.566

EXHIBIT G SHEET 7 OF 18

Great River Hydro, LLC
Vernon Project-No.1904

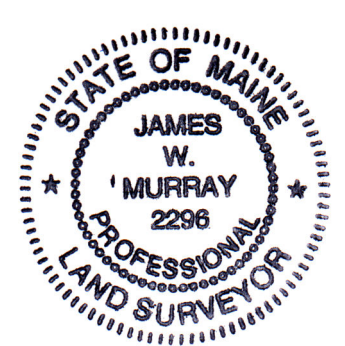


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1:4,800

Legend

Flowage Rights	Project Boundary	Dam/Bridge	Water Bodies	Transmission Line	Windham County	County Name
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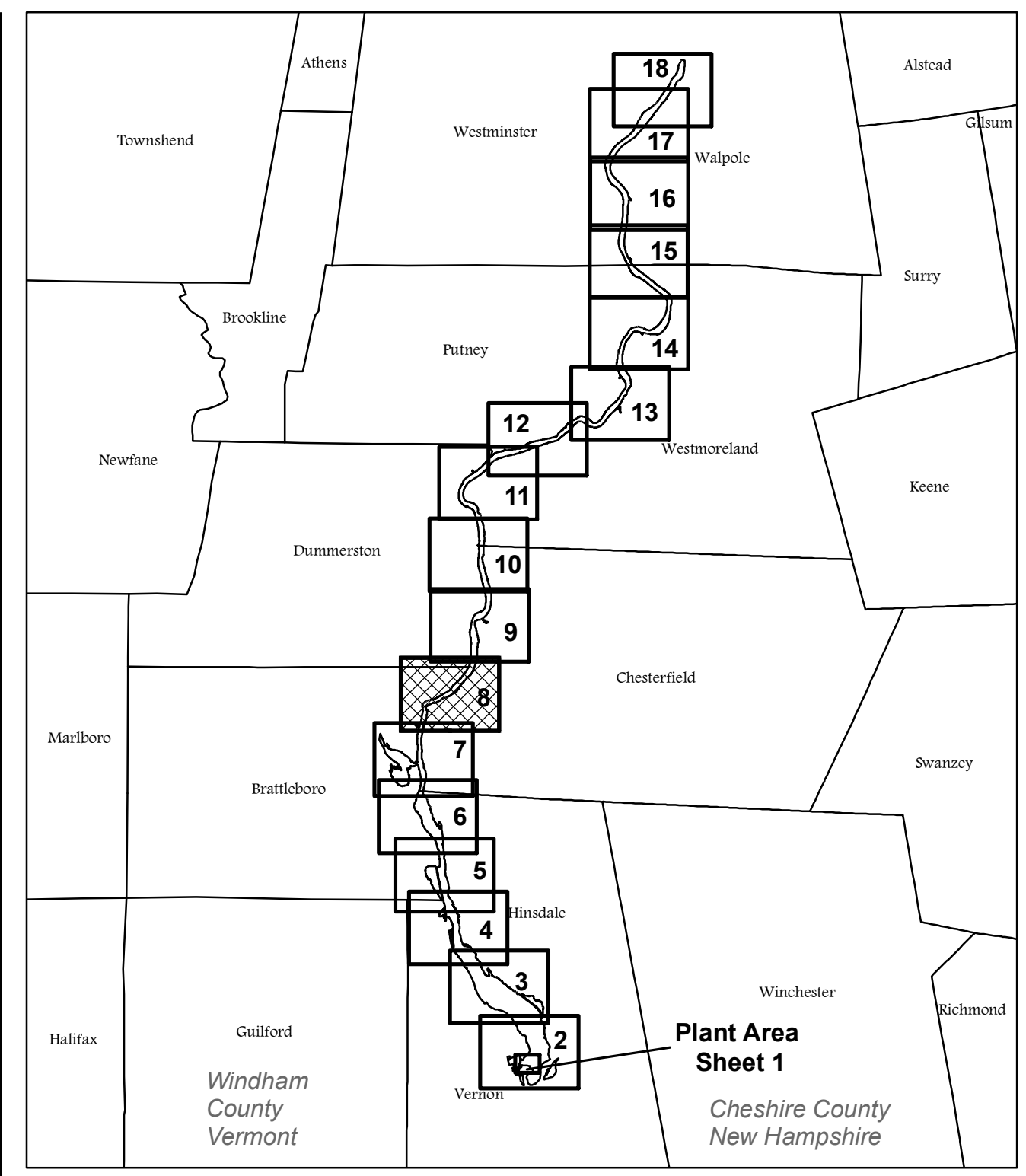
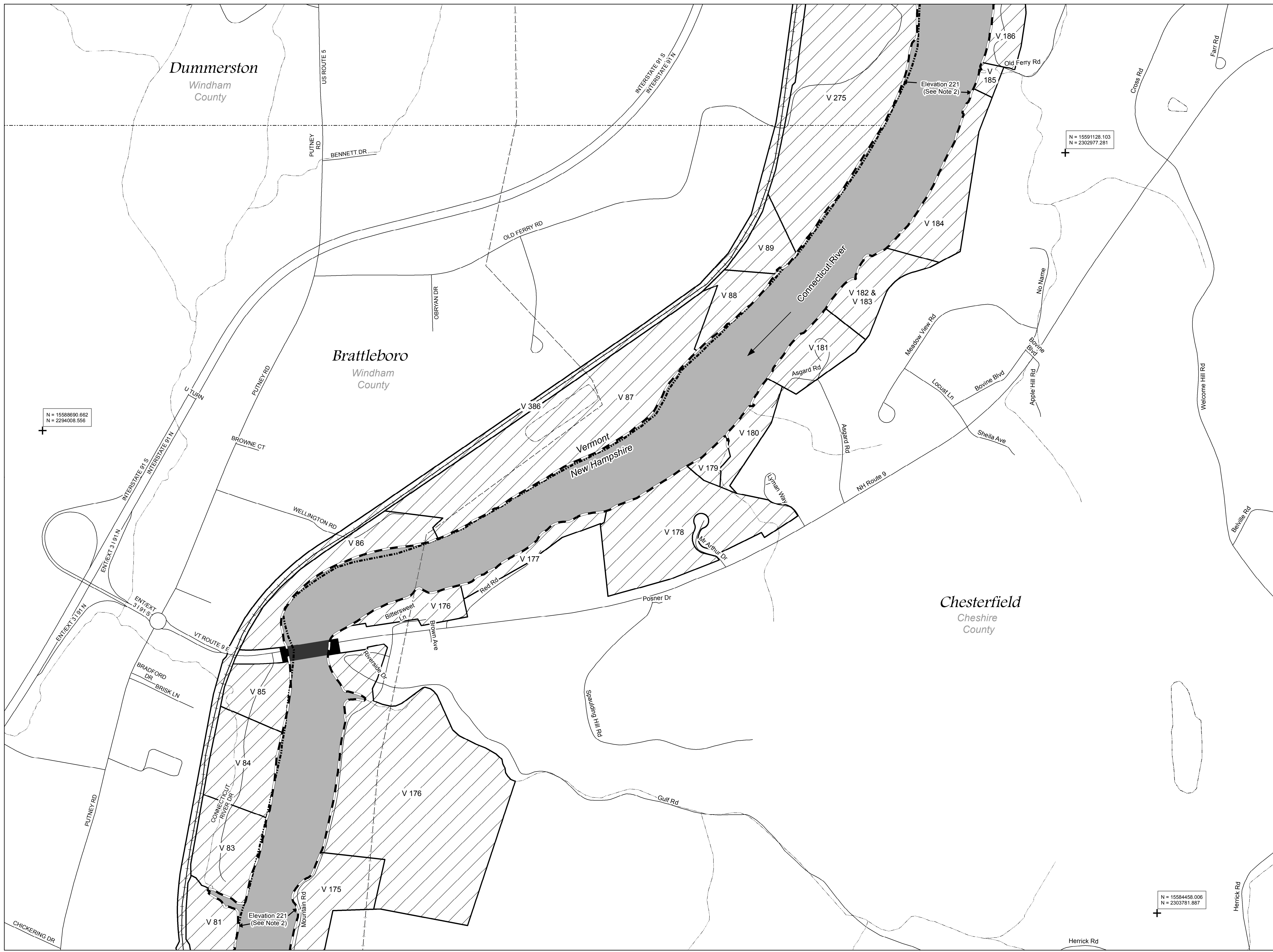


BY James W. Murray, PLS ME 2296
Date 4/26/2017

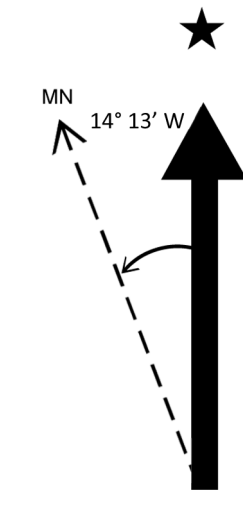
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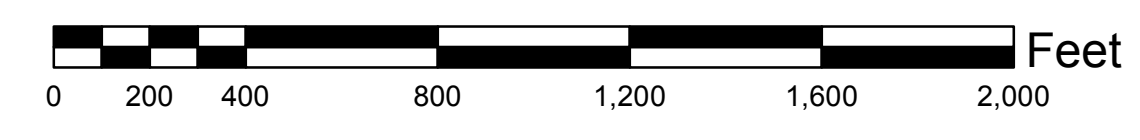
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EXHIBIT G SHEET 8 OF 18

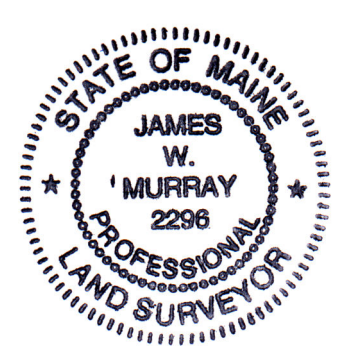
Great River Hydro, LLC
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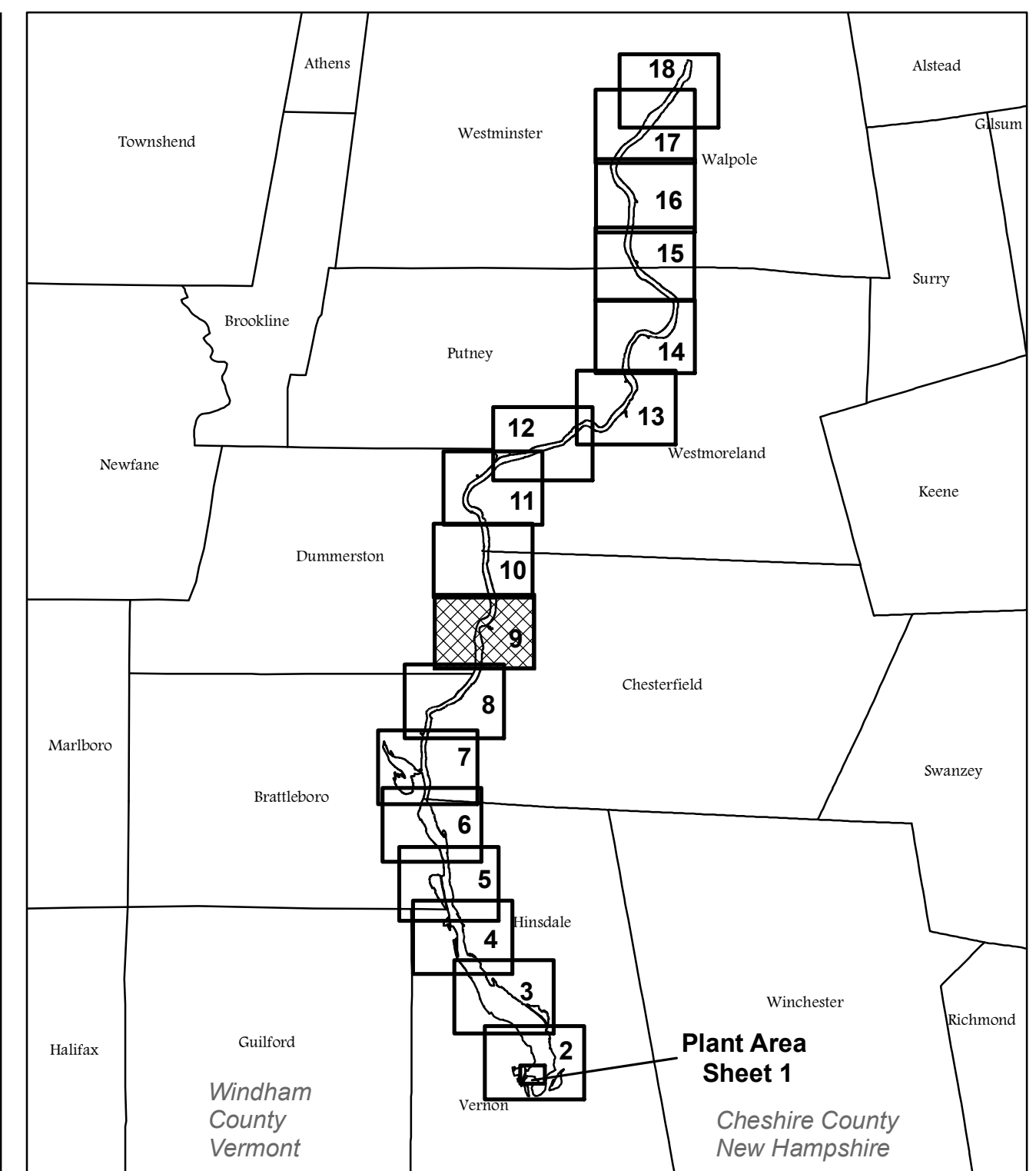


BY James W. Murray, PLS ME 2296
Date 4/26/2017

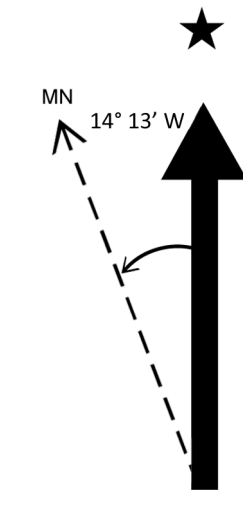
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EXHIBIT G SHEET 9 OF 18

Great River Hydro, LLC
Vernon Project-No.1904

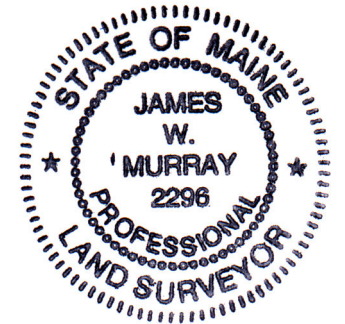


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1:4,800

Legend

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V 120 Parcel ID		Reference Point	Railroad	Vermont Town Name	

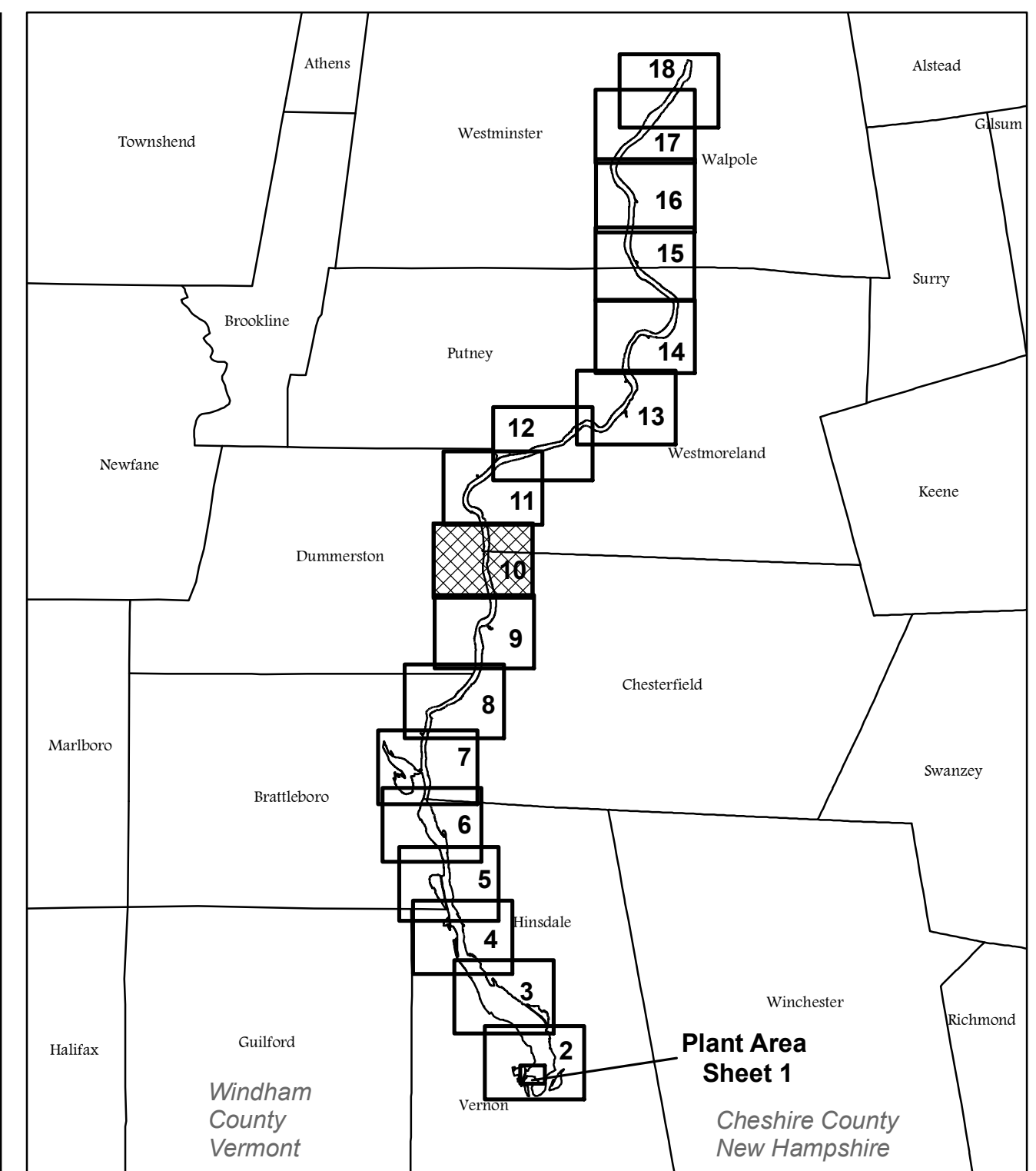
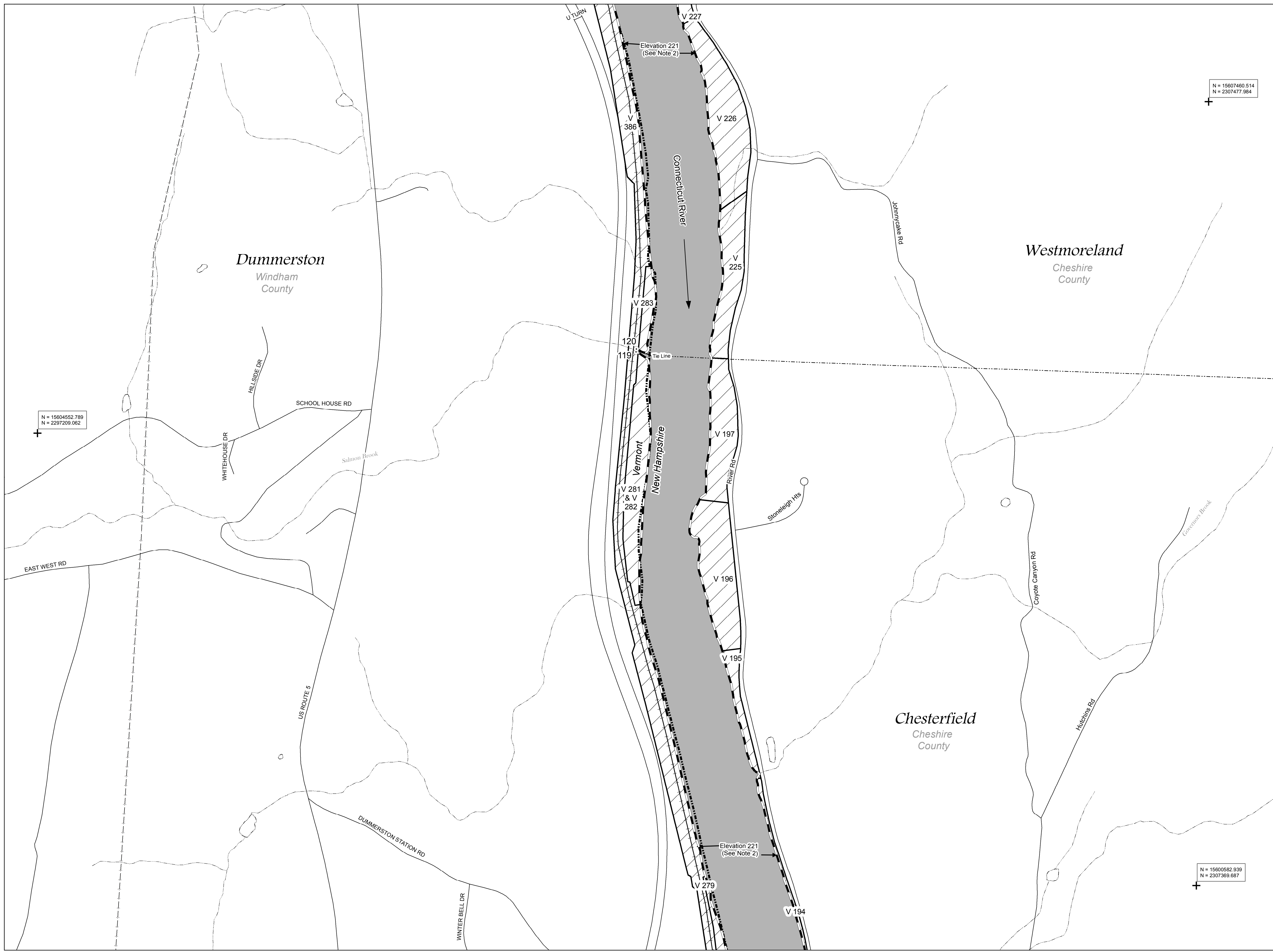


BY James W. Murray, PLS ME 2296 Date 4/26/2017

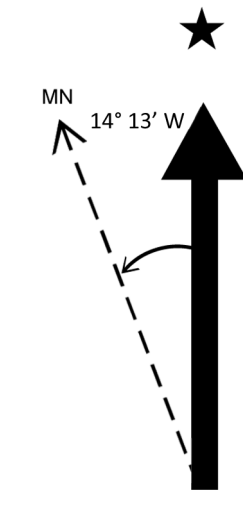
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Index Not to Scale



Map Projection:
UTM Zone 18N, NAD 83 feet

Vertical Datum:
NGVD 1929

- Notes:
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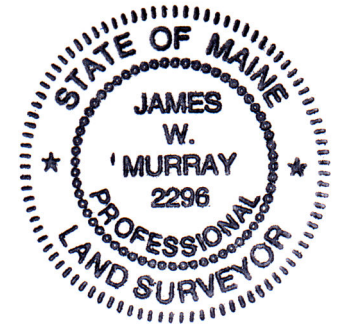
EXHIBIT G SHEET 10 OF 18

Great River Hydro, LLC
Vernon Project-No.1904

1 inch = 400 feet 1:4,800

Legend

Flowage Rights	Project Boundary	Dam/Bridge	Water Bodies	Transmission Line	Windham County	County Name
Fee Ownership	100 Turning Point <small>(See Project Boundary table for Turning Point metes and Bounds)</small>	Project Recreation Area	Stream or River	State Line	River Rd/RIVER RD	Street Name
V 120 Parcel ID	Tie Line	Non-Project Recreation Area	Roads	Town Boundaries	Lily Pond Brook	Brook/Stream Name
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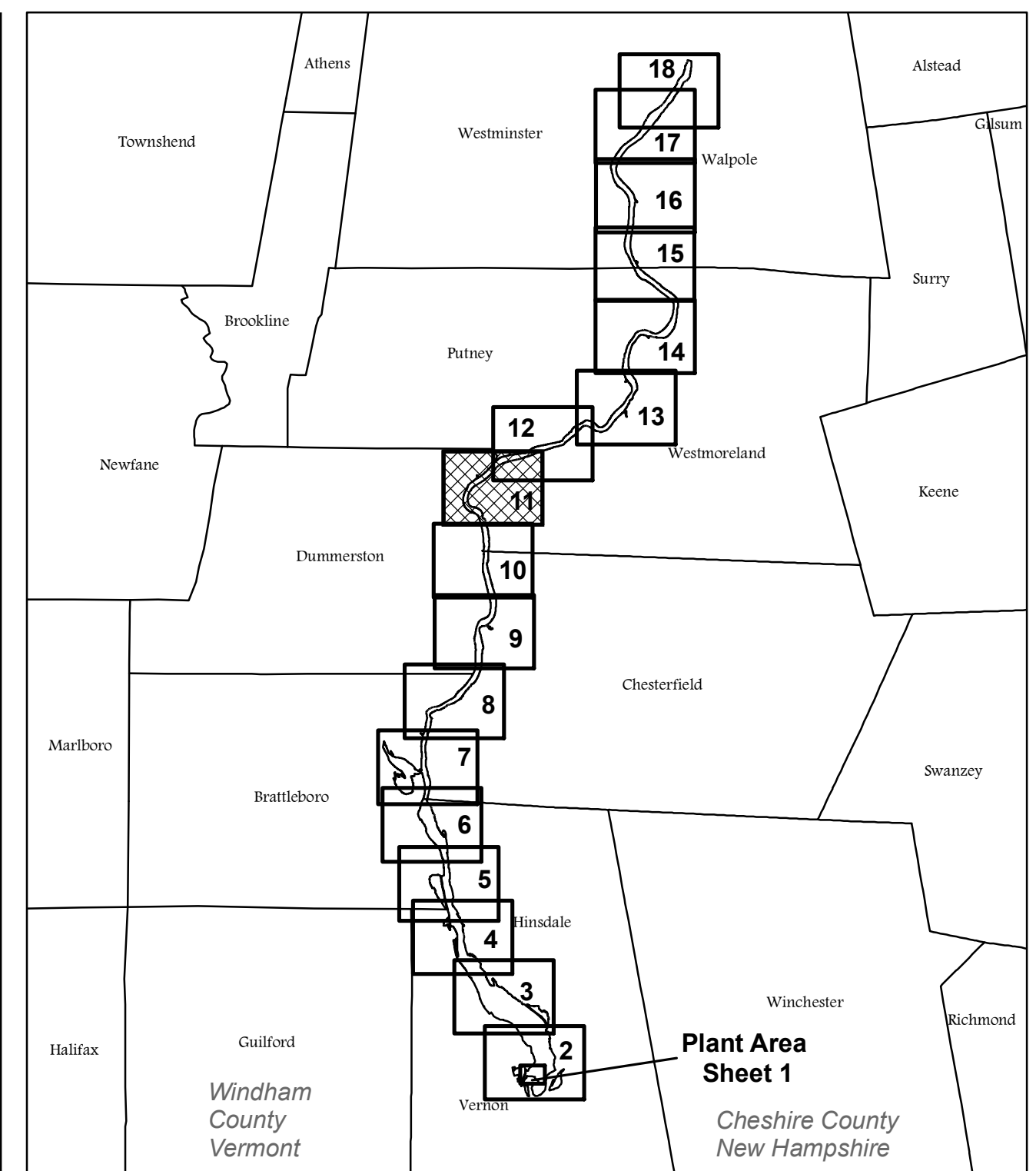
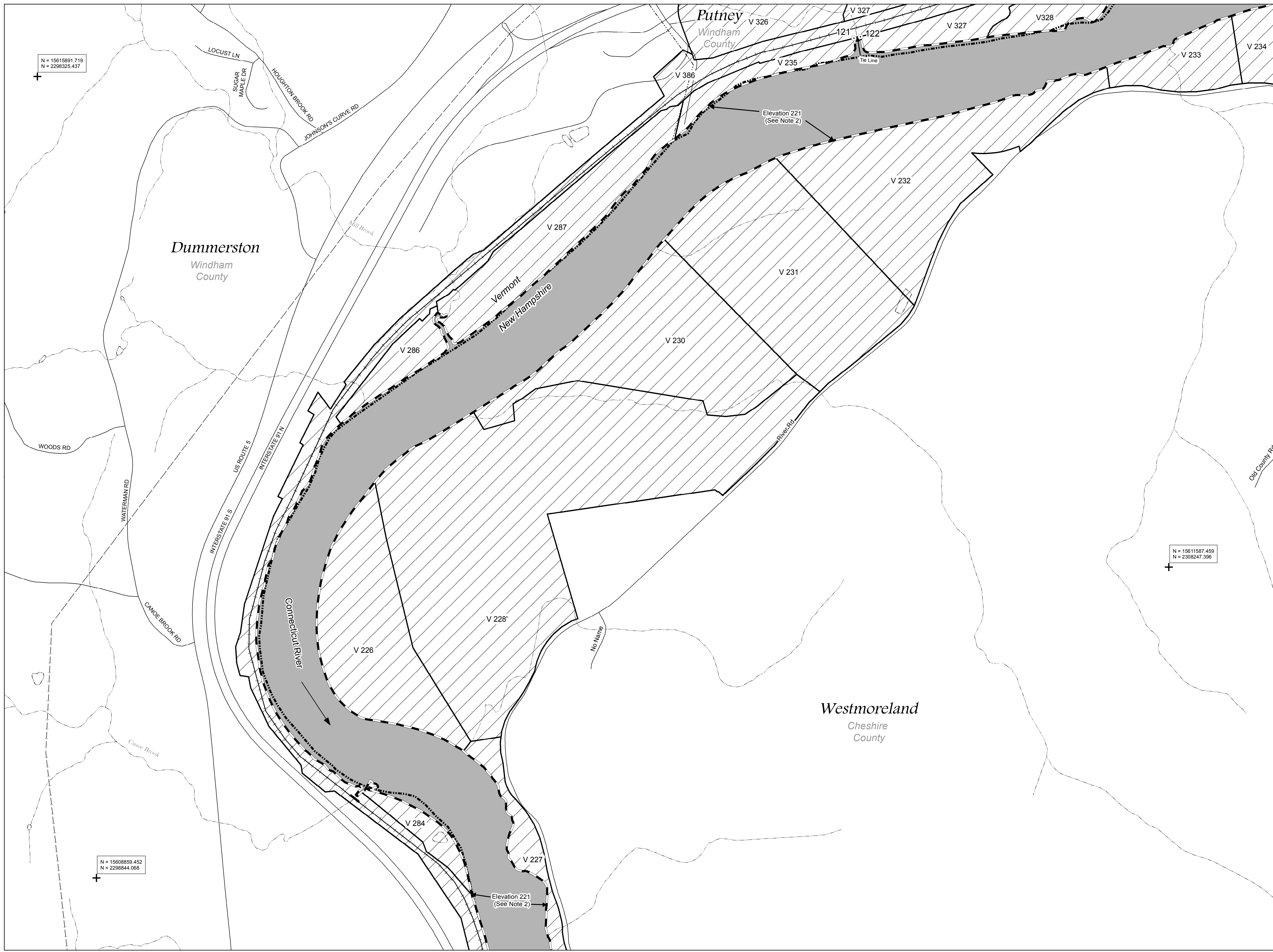


BY 4/26/2017
James W. Murray, PLS ME 2296 Date

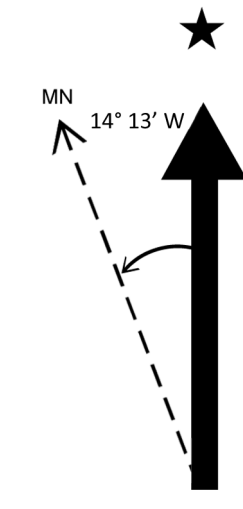
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Index Not to Scale



Map Projection:
UTM Zone 18N, NAD 83 feet

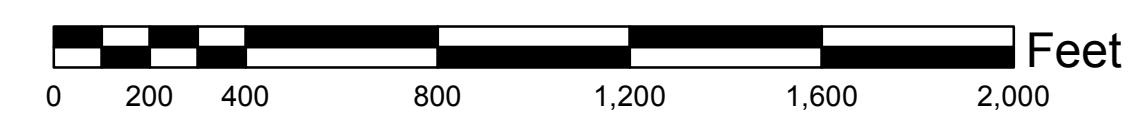
Vertical Datum:
NGVD 1929

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EXHIBIT G SHEET 11 OF 18

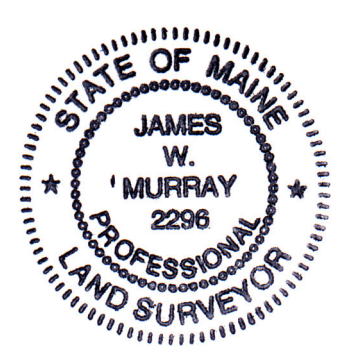
Great River Hydro, LLC
Vernon Project-No.1904



1 inch = 400 feet 1:4,800

Legend

Flowage Rights	Project Boundary	Dam/Bridge	Water Bodies	Transmission Line	Windham County	County Name
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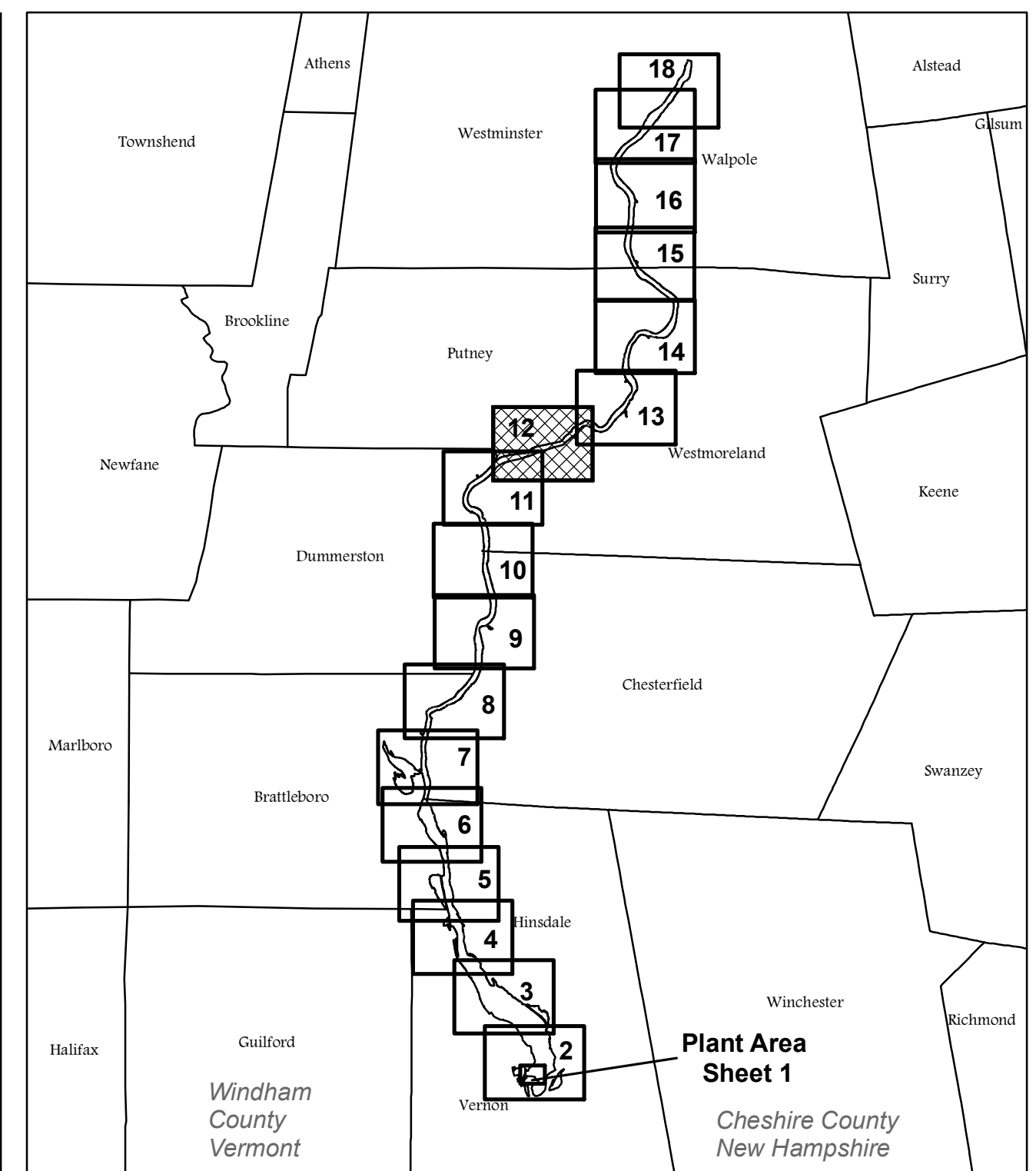
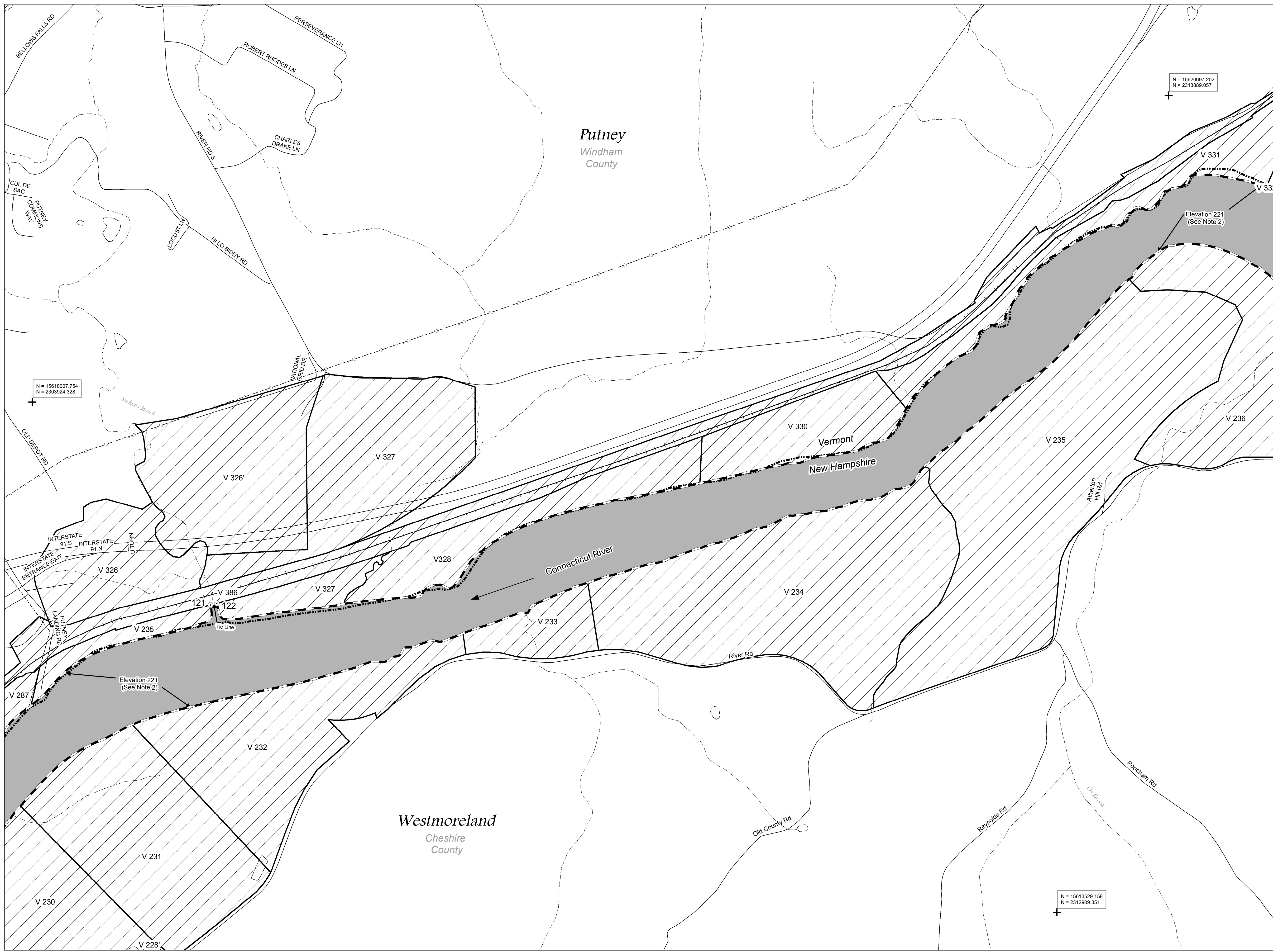


BY James W. Murray, PLS ME 2296
Date 4/26/2017

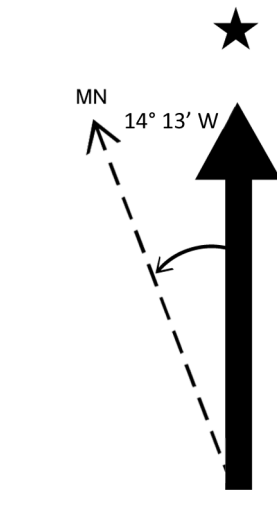
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Index Not to Scale



Map Projection:
UTM Zone 18N, NAD 83 feet

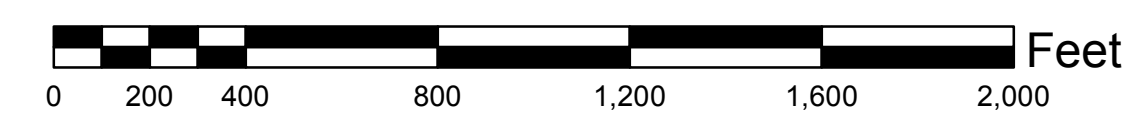
Vertical Datum:
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EXHIBIT G SHEET 12 OF 18

Great River Hydro, LLC
Vernon Project-No.1904

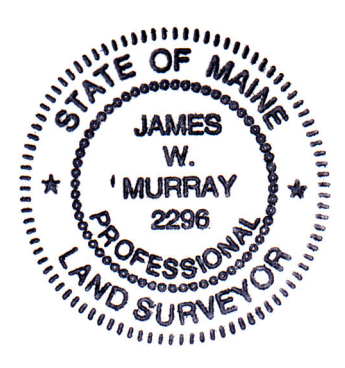


1 inch = 400 feet

1:4,800

Legend

Ownership	Project Boundary	Dam/Bridge	Water Bodies	Transmission Line	Windham County	County Name
Flowage Rights	Turning Point (See Project Boundary table for Turning Point metes and Bounds)	Project Recreation Area	Stream or River	State Line	River Rd/RIVER RD	Street Name
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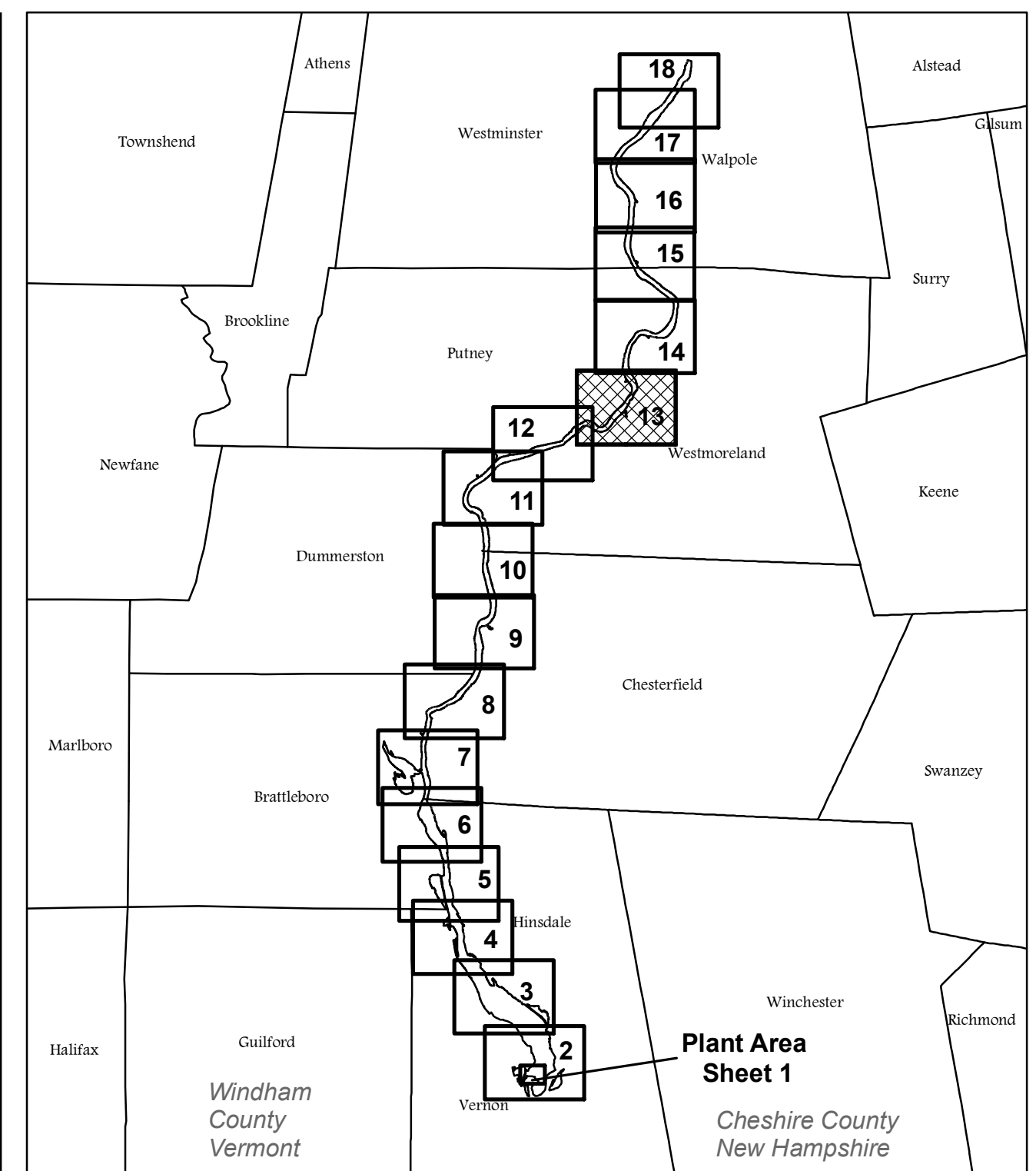


BY James W. Murray, PLS ME 2296
Date 4/26/2017

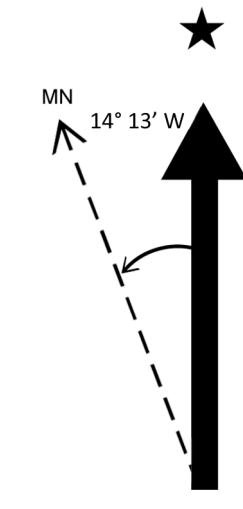
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Vertical Datum:
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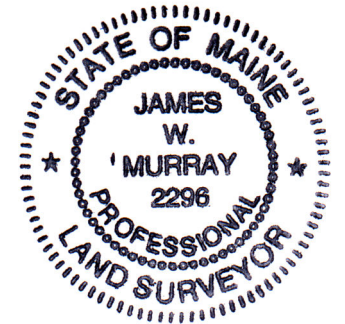
EXHIBIT G **SHEET 13 OF 18**

Great River Hydro, LLC
Vernon Project-No.1904

1 inch = 400 feet 1:4,800

Legend

Flowage Rights	Project Boundary	Dam/Bridge	Water Bodies	Transmission Line	Windham County	County Name
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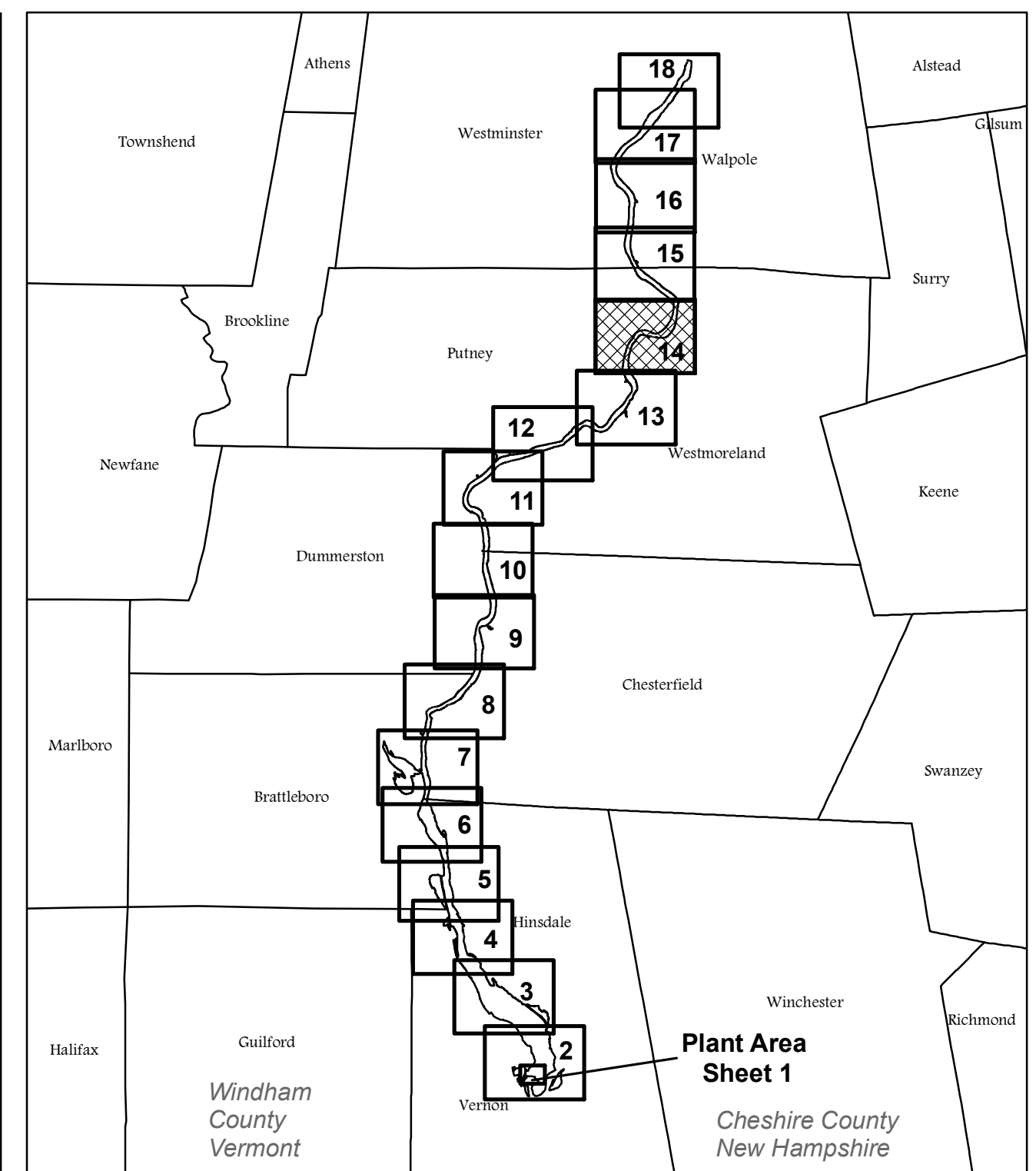


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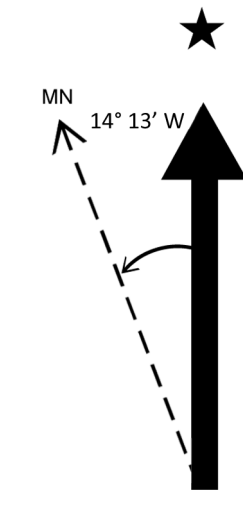
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BY: James W. Murray, PLS ME 2296 4/26/2017
Date





Index Not to Scale



Map Projection:
UTM Zone 18N, NAD 83 feet

Vertical Datum:
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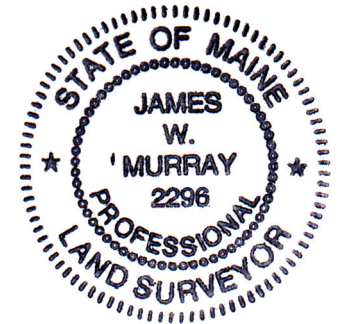
EXHIBIT G SHEET 14 OF 18

**Great River Hydro, LLC
Vernon Project-No.1904**

1 inch = 400 feet 1:4,800

Legend

Flowage Rights	Turning Point (See Project Boundary table for Turning Point metes and Bounds)	Dam/Bridge	Water Bodies	Transmission Line	Windham County County Name
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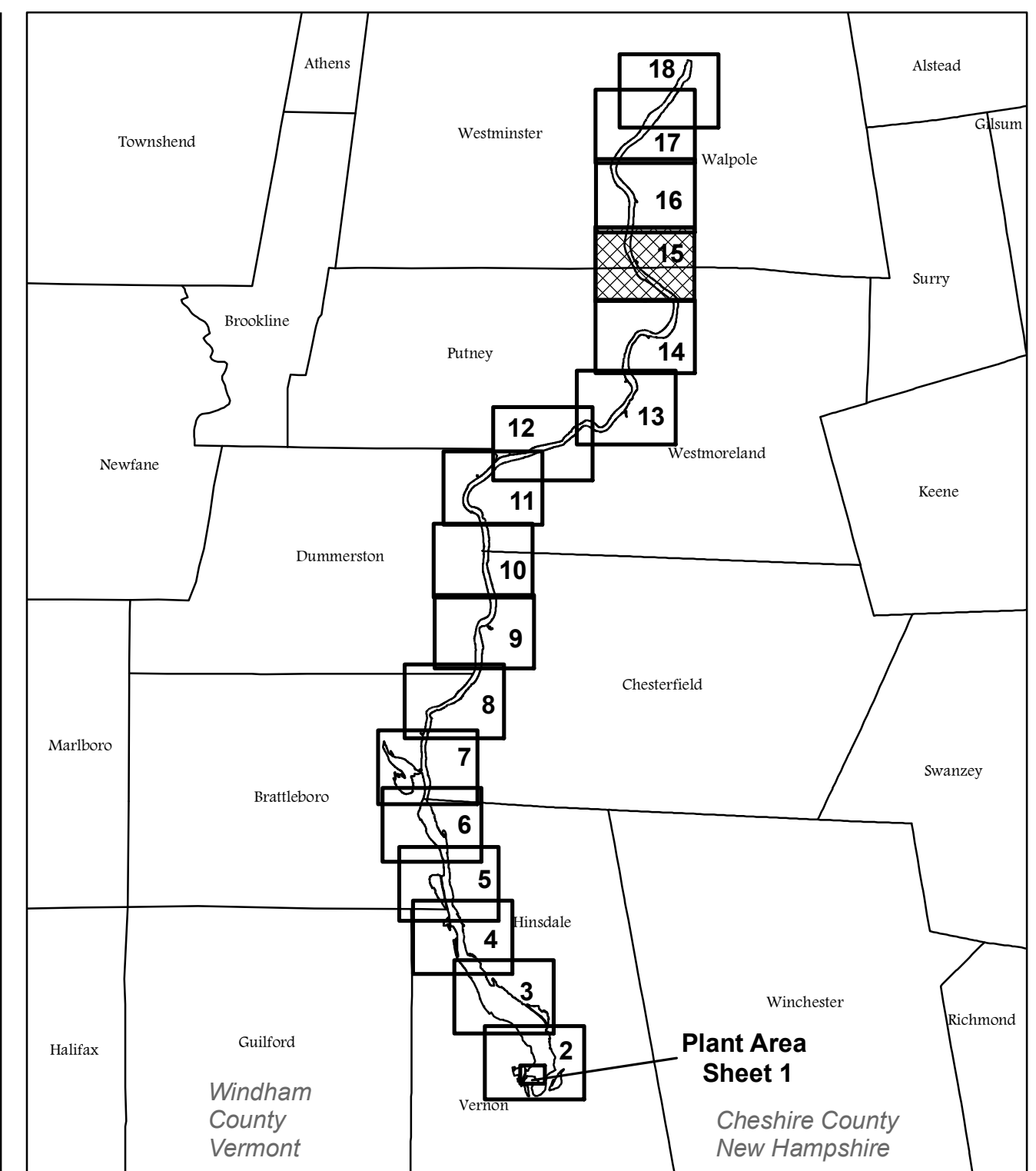


BY James W. Murray, PLS ME 2296 Date 4/26/2017

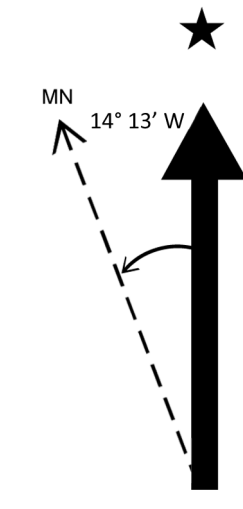
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EXHIBIT G SHEET 15 OF 18

**Great River Hydro, LLC
Vernon Project-No.1904**

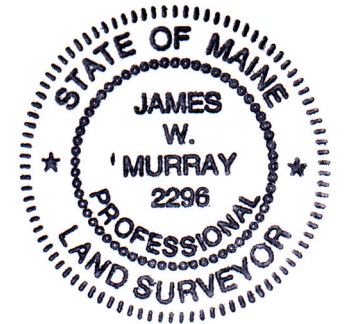


1 inch = 400 feet

1:4,800

Legend

Flowage Rights	Project Boundary	Dam/Bridge	Water Bodies	Transmission Line	Windham County	County Name
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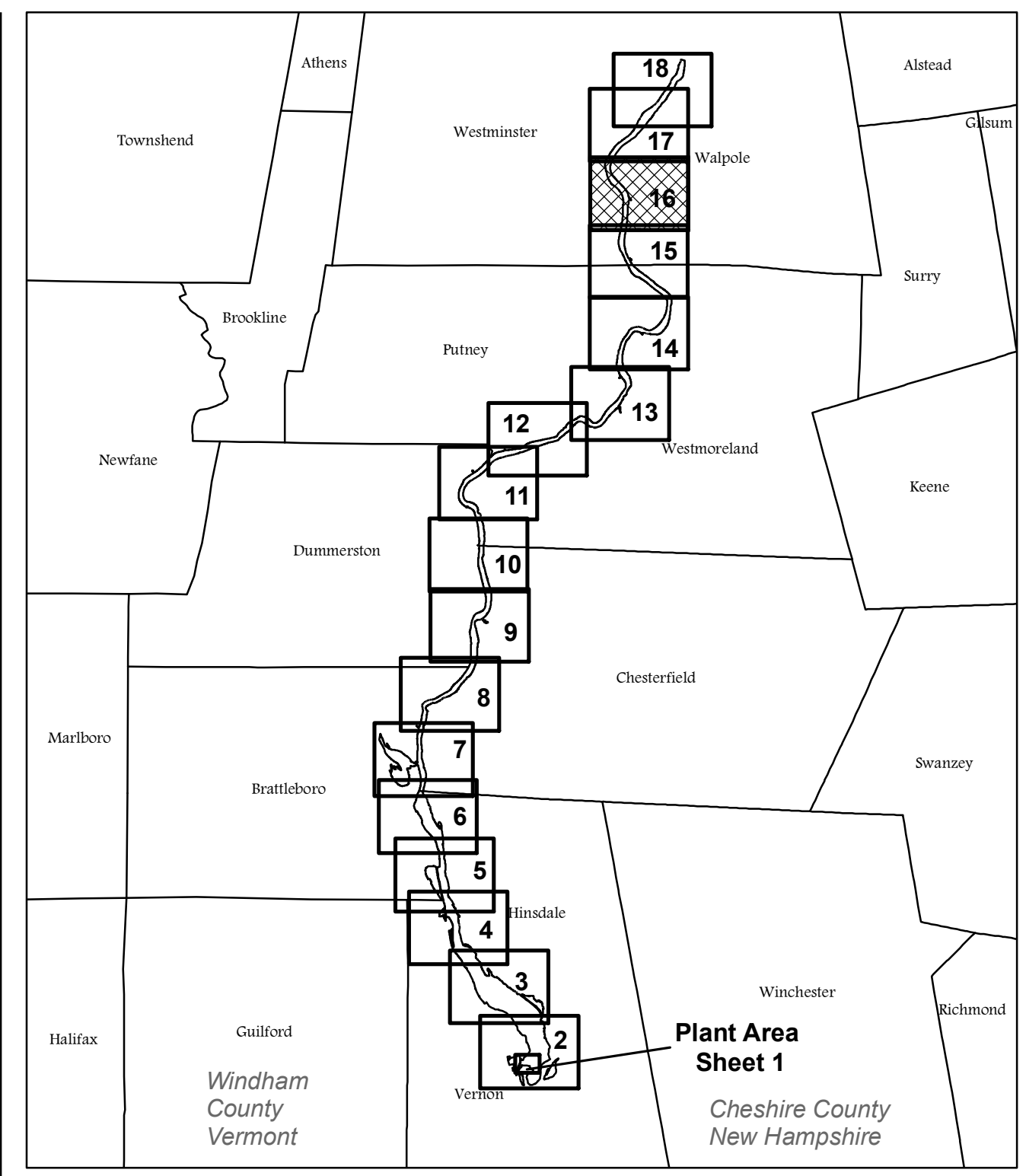


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Date 4/26/2017

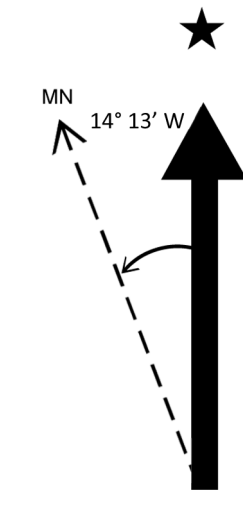
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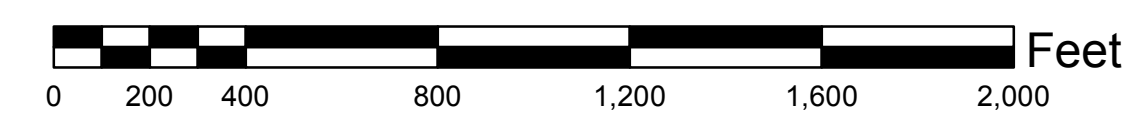
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EXHIBIT G SHEET 16 OF 18

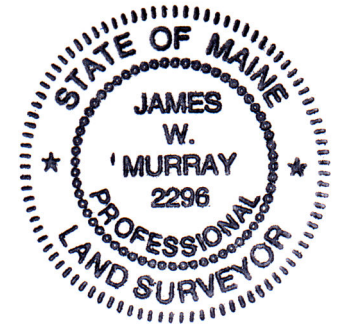
Great River Hydro, LLC
Vernon Project-No.1904



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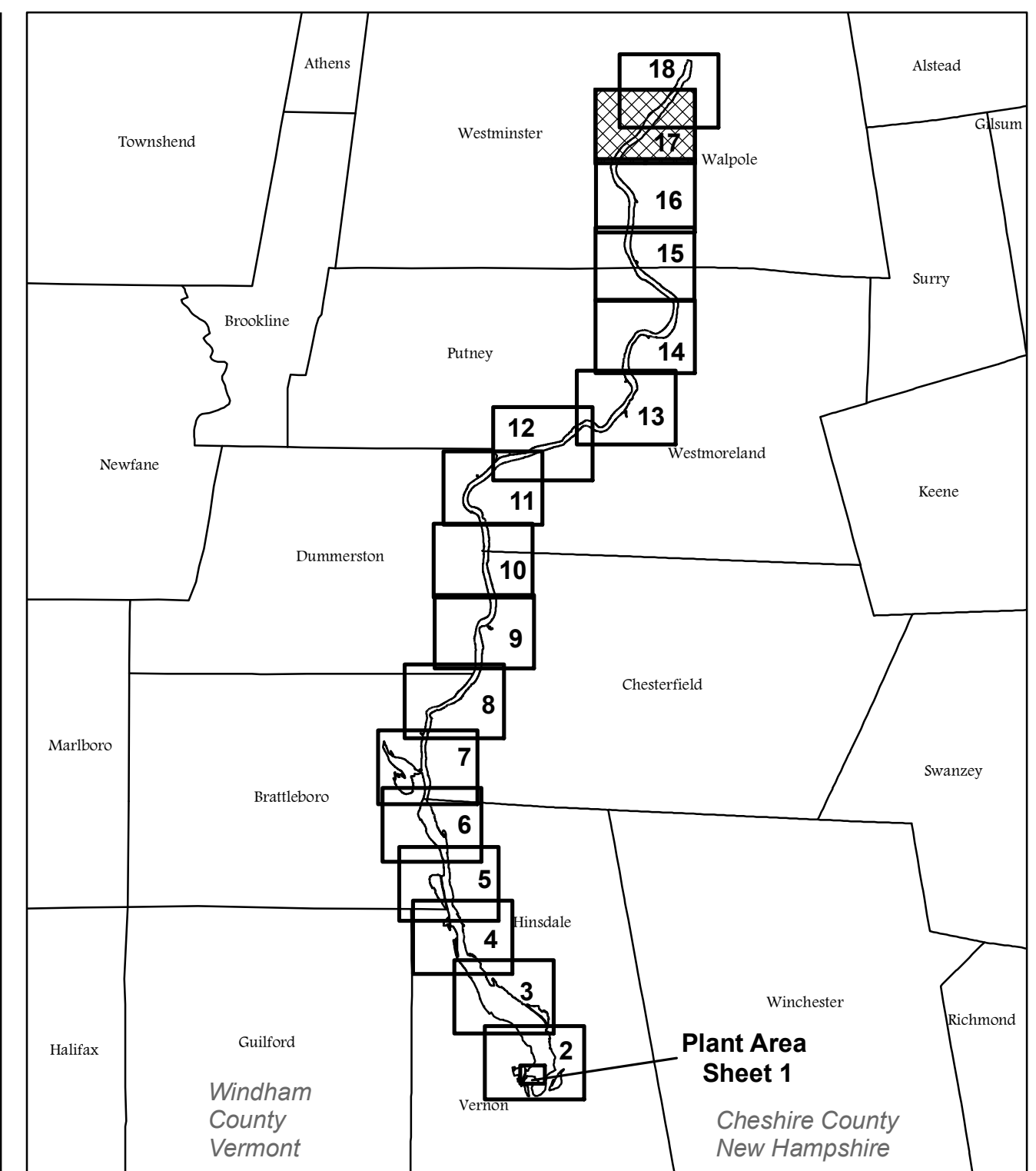


BY James W. Murray, PLS ME 2296
Date 4/26/2017

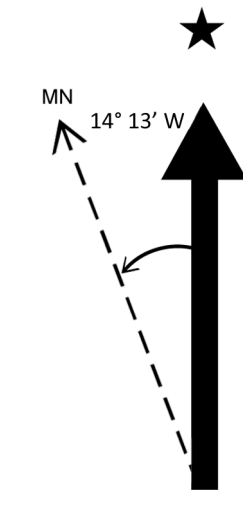
SURVEYOR'S STATEMENT:

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Index Not to Scale



Map Projection:
UTM Zone 18N, NAD 83 feet

Vertical Datum:
NGVD 1929

Notes:

- 1) The Licensee possesses all necessary land rights for operation and maintenance of the Project. The property lines and the limits of the flowage rights are shown for geographical purposes only, and are based upon historic project maps and Licensee's records, tax assessor's information, and deeds and plans of record. Reference should be made to the specific title information for precise descriptions of each tract.
- 2) The Project Boundary generally follows the outside lines of Licensee's fee-owned land and otherwise to the elevation of the impoundment's inundation limit at normal operation where the Licensee holds flowage rights. However, the exact location of a line delineating the outside limits of such flowage rights cannot be precisely determined since it changes under varying stream flow, ice, and other conditions. The 221 foot contour line is utilized for depicting that inundation limit elevation for the purposes of this Exhibit "G". Below the Vernon Dam, the Project Boundary follows the shoreline around the Licensee's fee-owned property (including islands), depicted as the 188-foot contour line for the purposes of this Exhibit "G".
- 3) Existing Project recreation facilities, including private access roads, are wholly contained within the Project Boundary.
- 4) The state boundary is depicted here for reference only. The actual state boundary is "along the western side of the [Connecticut] River at low water mark." See U.S. Supreme Court 290 U.S. 579 for details.
- 5) Available USGS quadrangle information was supplemented with most current publicly-available GIS data from USGS, New Hampshire GRANIT, and the Vermont Center for Geographic Information, including hydrography, transportation and transmission infrastructure features, and aerial imagery. Furthermore, the Licensee acquired and developed a series of data sets, including high resolution LiDAR imagery (taken between April 29, 2013 and May 7, 2013) and LiDAR-derived topographic data that was interpolated for development of the contour-based portions of the Project Boundary.

EXHIBIT G SHEET 17 OF 18

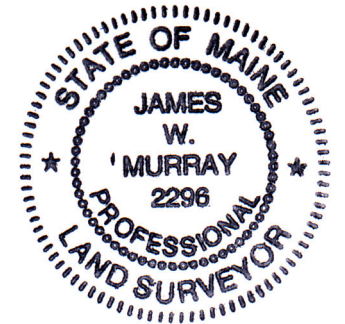
**Great River Hydro, LLC
Vernon Project-No.1904**



1 inch = 400 feet 1:4,800

Legend

Flowage Rights	Project Boundary	Dam/Bridge	Water Bodies	Transmission Line	Windham County	County Name
Fee Ownership	100 Turning Point (See Project Boundary table for Turning Point metes and Bounds)	Project Recreation Area	Stream or River	State Line	River Rd/RIVER RD	Street Name
V 120 Parcel ID	Tie Line	Non-Project Recreation Area	Roads	Town Boundaries	Lily Pond Brook	Brook/Stream Name
		Reference Point	Railroad	Vernon Town Name		

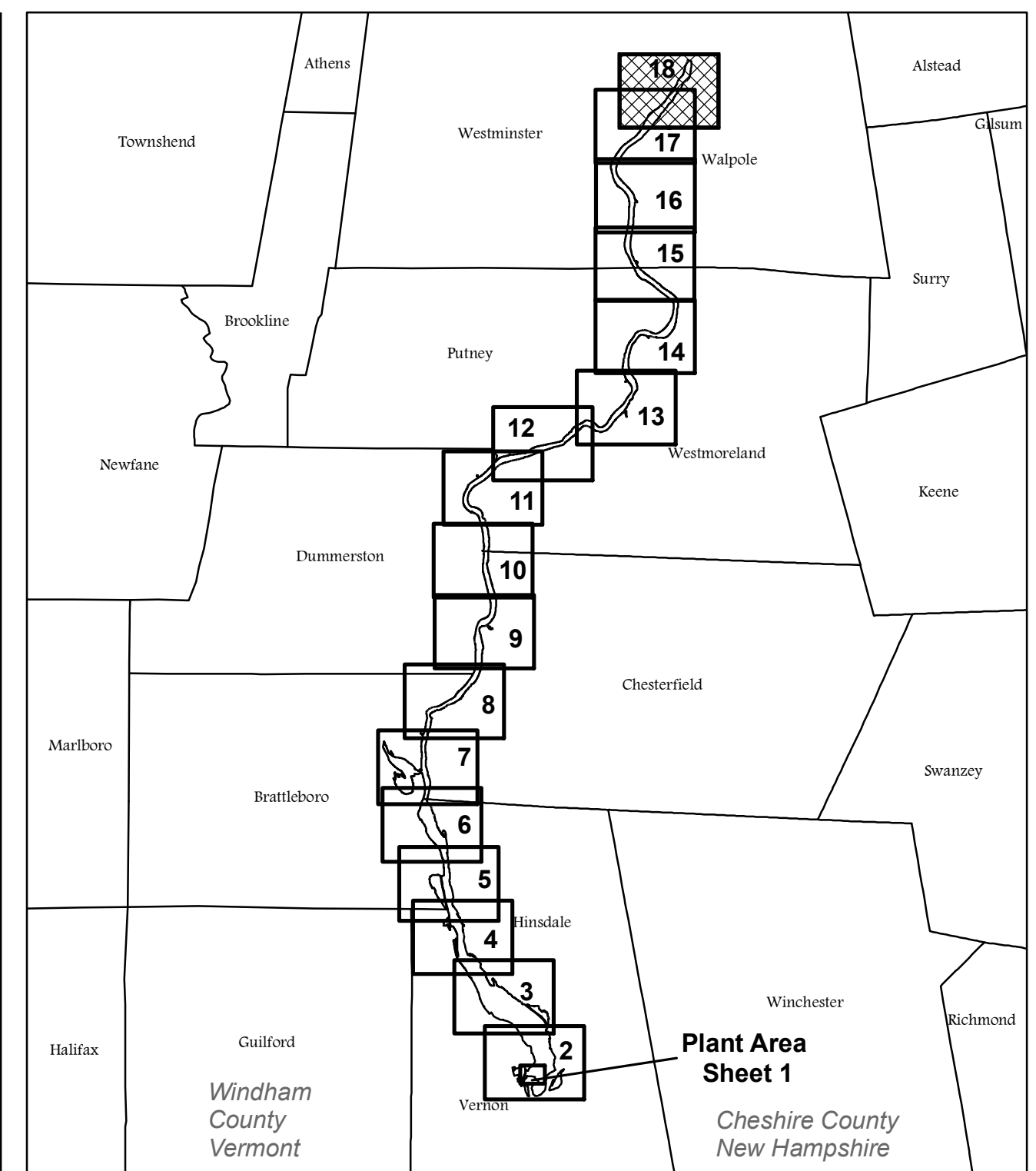
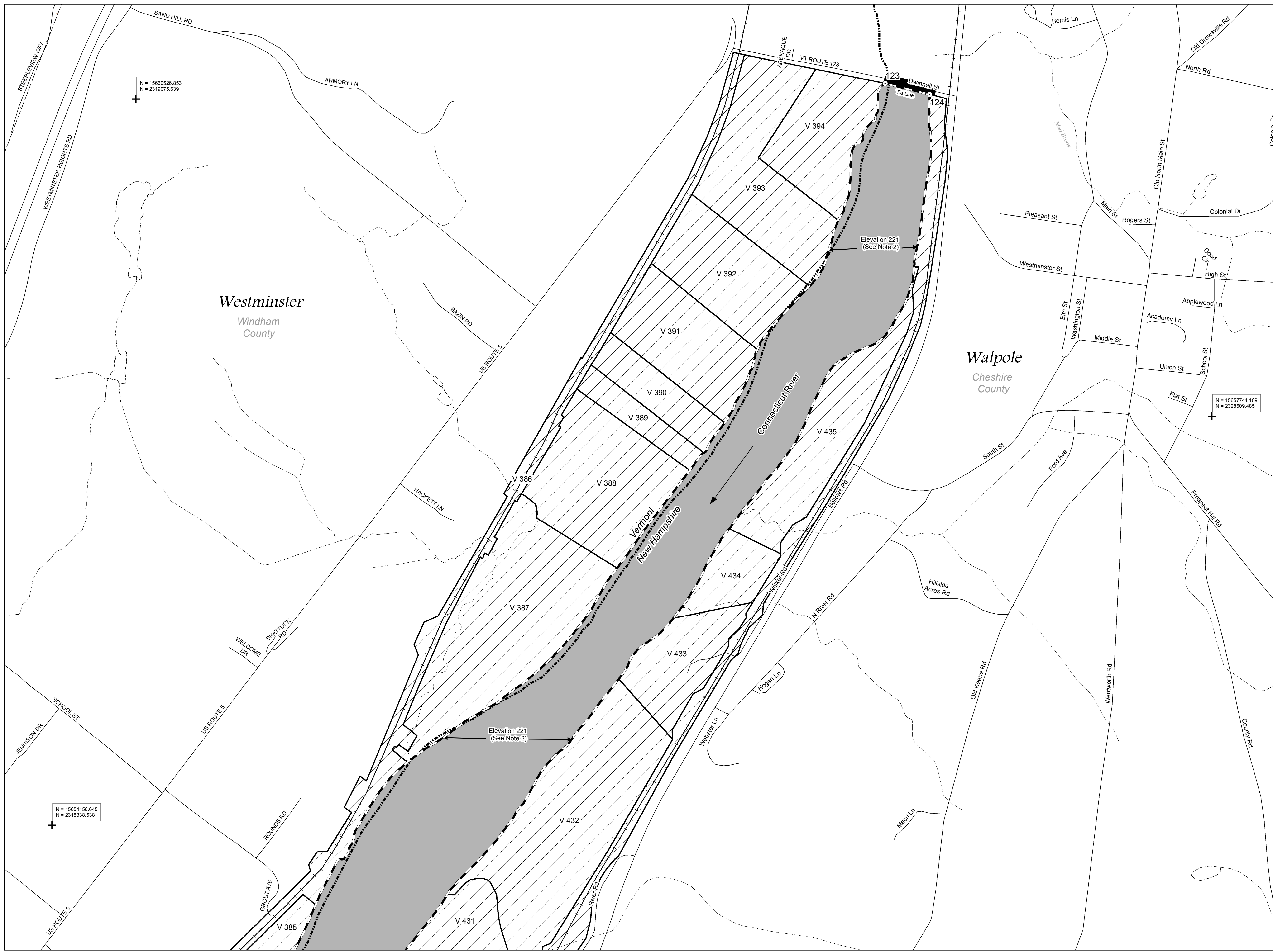


BY James W. Murray, PLS ME 2296
Date 4/26/2017

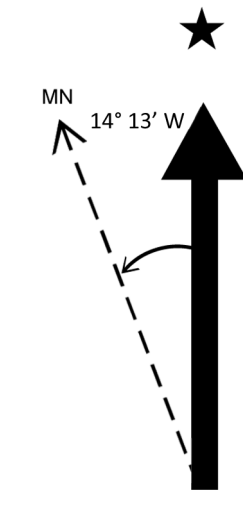
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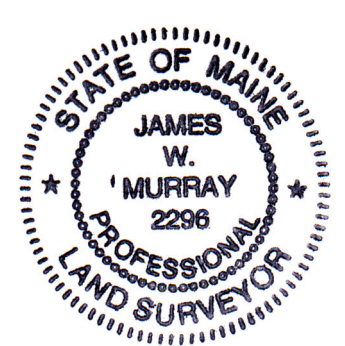
EXHIBIT G **SHEET 18 OF 18**

Great River Hydro, LLC
Vernon Project-No.1904

1 inch = 400 feet 1:4,800

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BY 4/26/2017
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