

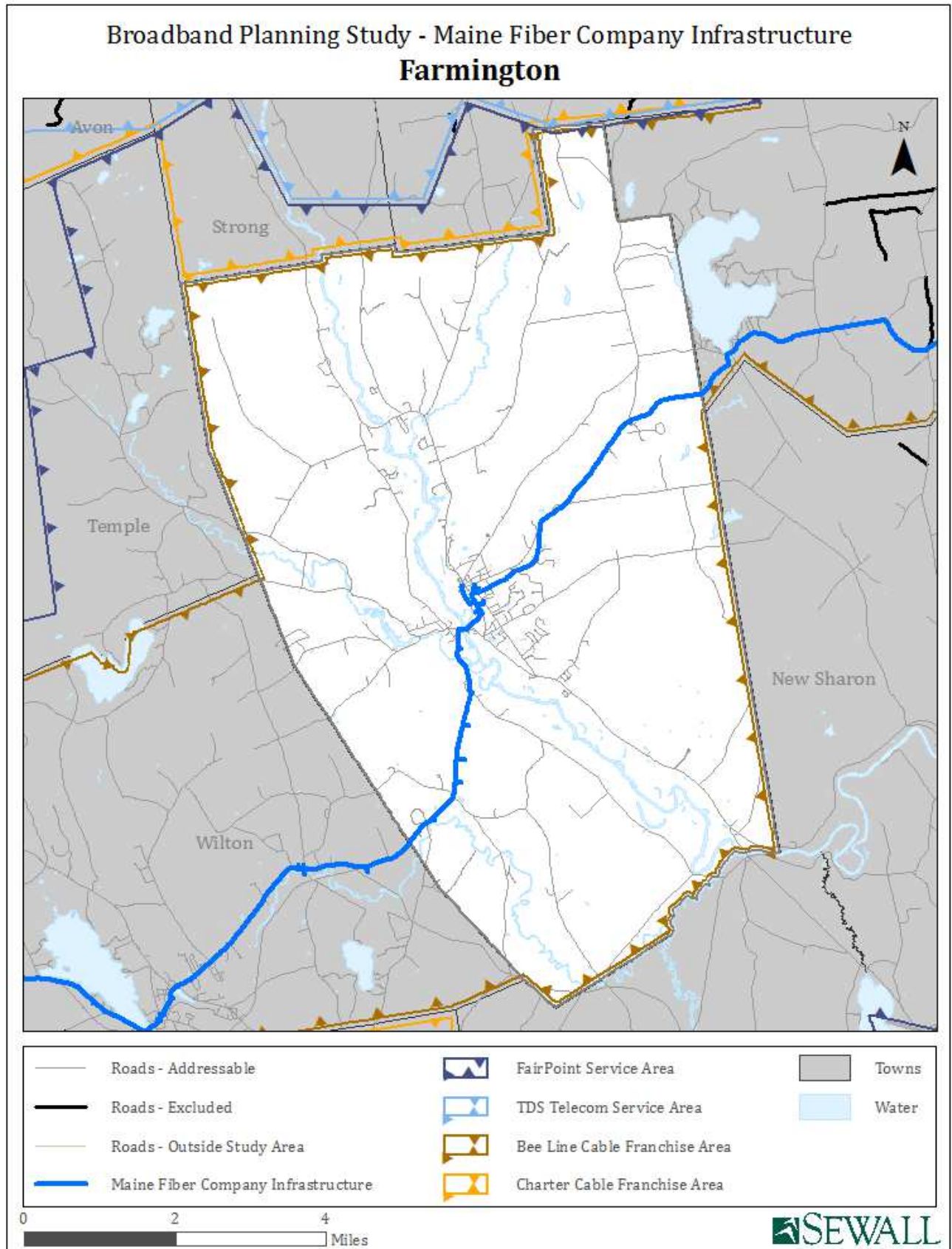
C-13 Farmington

Special Considerations

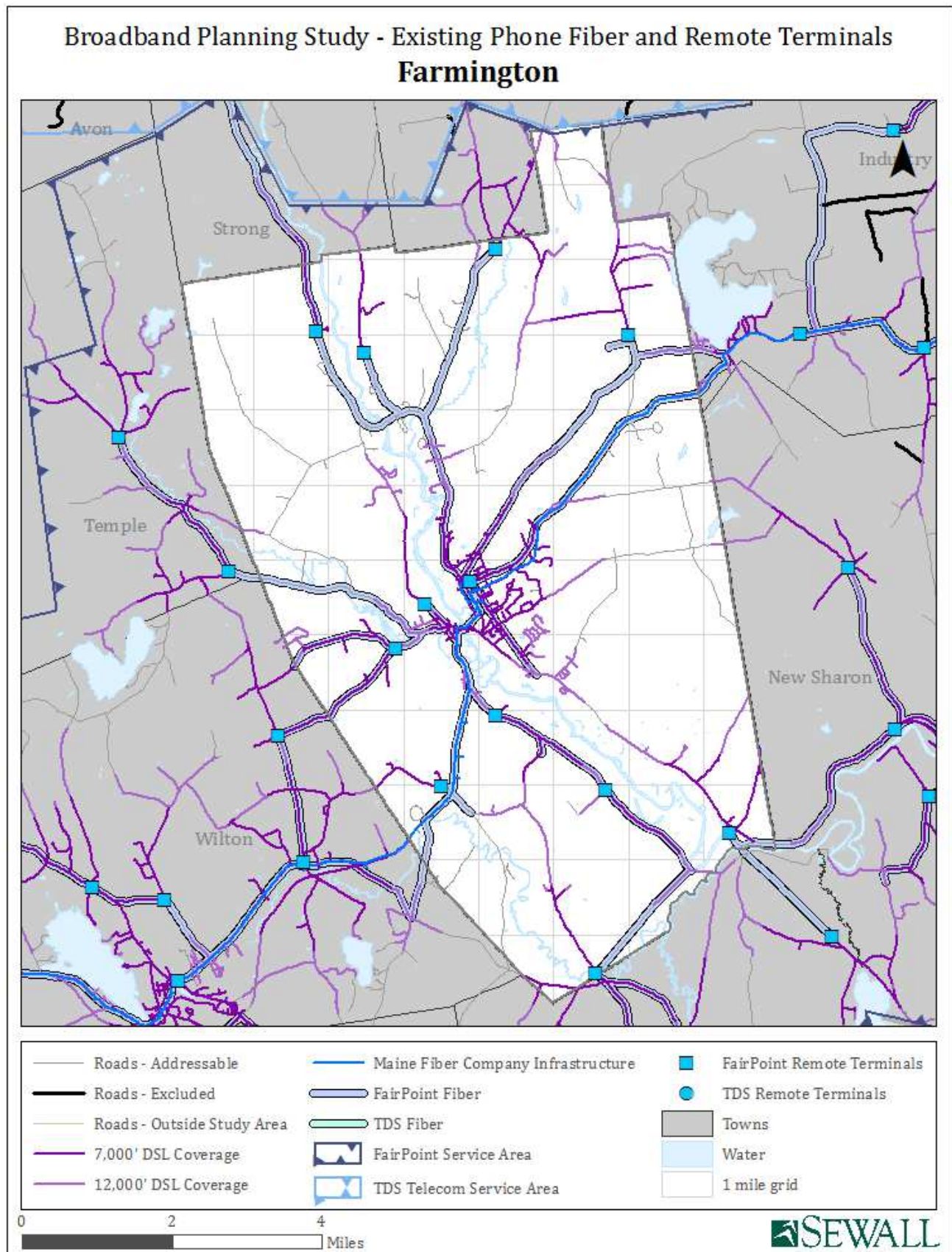
None

Farmington				
Statistical Data	Cost	Unit	Farmington	Study Area Totals
911 Addresses			4,103	22,824
Total Road Mileage			126.7	1,637
Phone Fiber Mileage			38.3	336
Hybrid Fiber/Coax Mileage			96	451
1G/1G FTTP Gap Miles	\$ 40,000	mile	126.7	1,363
1G/1G FTTP 911 Addresses	\$ 700	sub	4,046	22,500
<i>Potential Subscribers per mile</i>			32	17
Total Cost			\$7,900,192	\$70,258,775
<i>Per Potential Subscriber</i>			\$1,953	\$3,123
<i>Per Mile</i>			\$62,354	\$51,558
10M/10M Gap Miles	\$ 35,000	mile	30.8	910
10M/10M Gap 911 Addresses	\$ 350	sub	326	8,351
<i>Potential Subscribers per mile</i>			11	9
Total Cost			\$1,192,747	\$34,776,219
<i>Per Potential Subscriber</i>			\$3,659	\$4,164
<i>Per Mile</i>			\$38,702	\$38,212
Potential private investment			\$630,848	\$15,955,247
Potential public subsidy			\$561,899	\$18,820,972
25M/3M Gap Miles			24.2	650
25M/3M Gap 911 Addresses			260	4,931
25M/3M New RT Quantity	\$ 25,000		19	270
25M/3M New Fiber Miles	\$ 25,000		9.4	182
<i>Potential Subscribers per mile</i>			11	8
Total Cost			\$710,858	\$11,305,524
<i>Per Potential Subscriber</i>			\$2,734	\$2,293
Potential private investment			\$381,469	\$4,286,572
Potential public subsidy			\$329,389	\$7,018,952
10M/1M Gap Miles			15.2	407
10M/1M Gap 911 Addresses			162	2,925
10M/1M New RT Quantity	\$ 25,000		5	93
10M/1M New Fiber Miles	\$ 25,000		0.5	74
<i>Potential Subscribers per mile</i>			11	7
Total Cost			\$136,521	\$4,167,973
<i>Per Potential Subscriber</i>			\$843	\$1,425
Potential private investment			\$72,799	\$1,497,587
Potential public subsidy			\$63,722	\$2,670,386
CAF-II Funded Locations			213	2,429
A-CAM Funded Locations			-	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$364,140	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$83,622	\$899,395
Insurance	\$183	mile	\$23,244	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$25,340	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$50,575	\$281,250
Administration	\$30	sub	\$60,690	\$337,500
Total Operating Expense			\$243,471	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			\$120,669	(\$15,689)

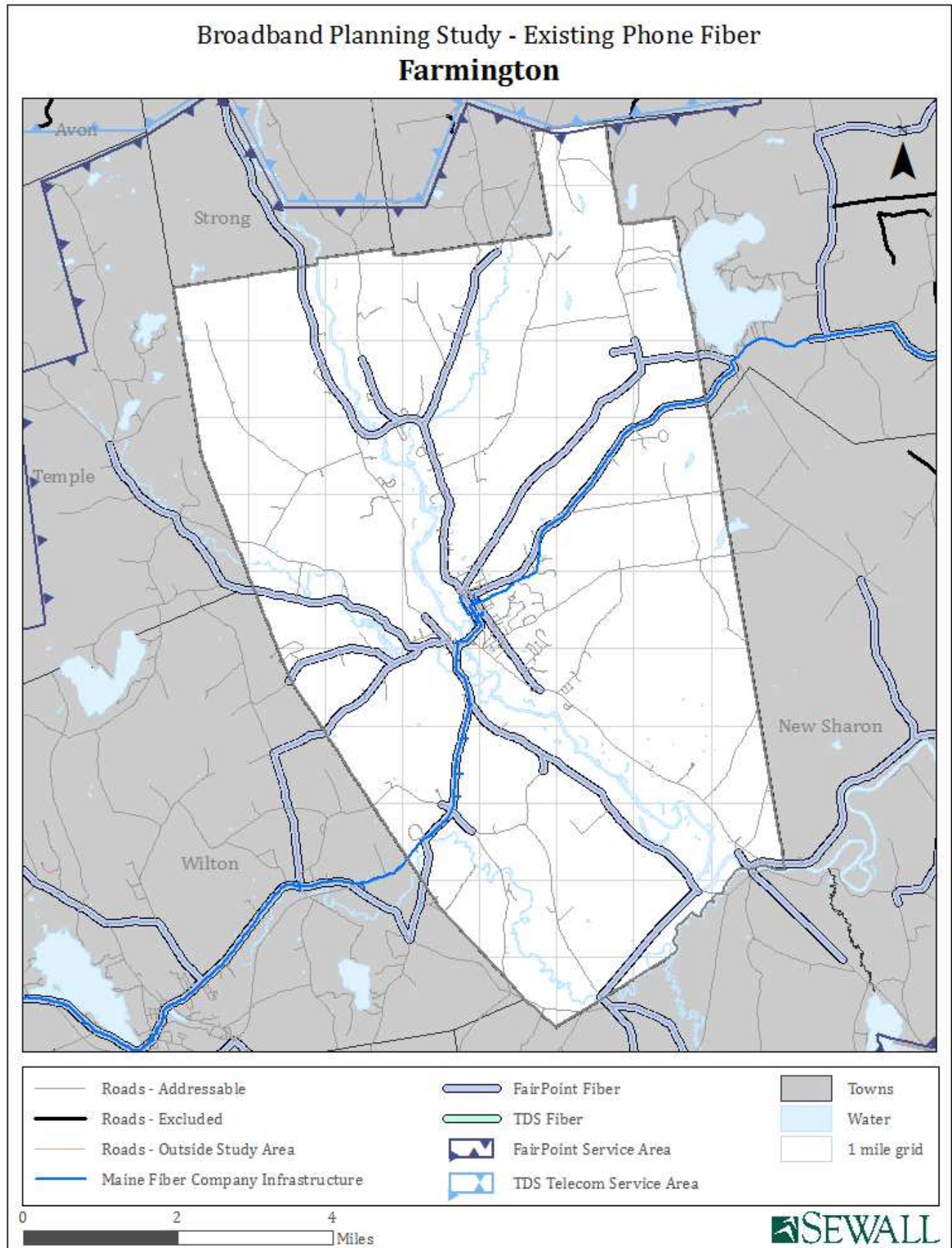
Farmington Maine Fiber Company Infrastructure Map D



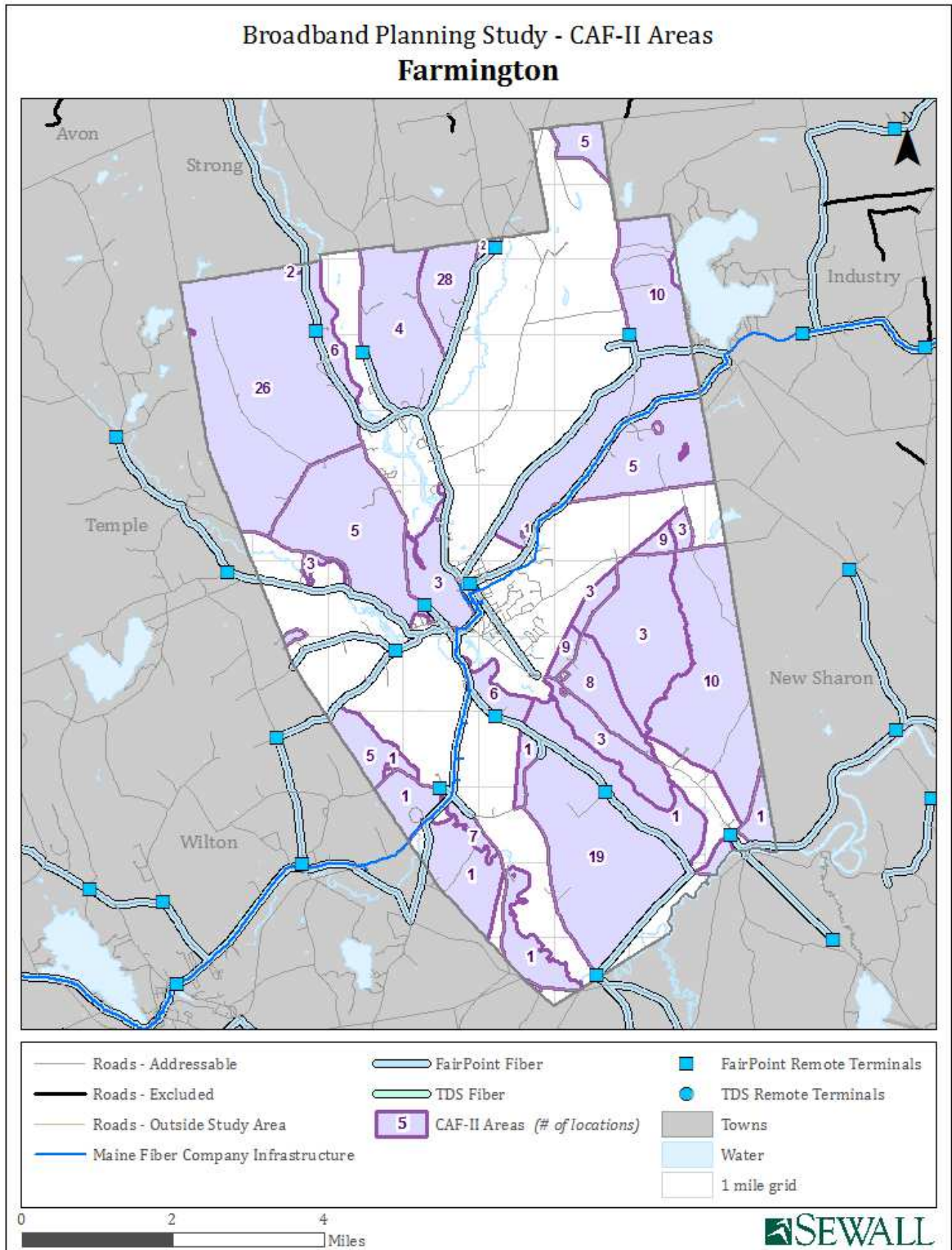
Farmington Existing Phone Fiber & Remote Terminals Map 1



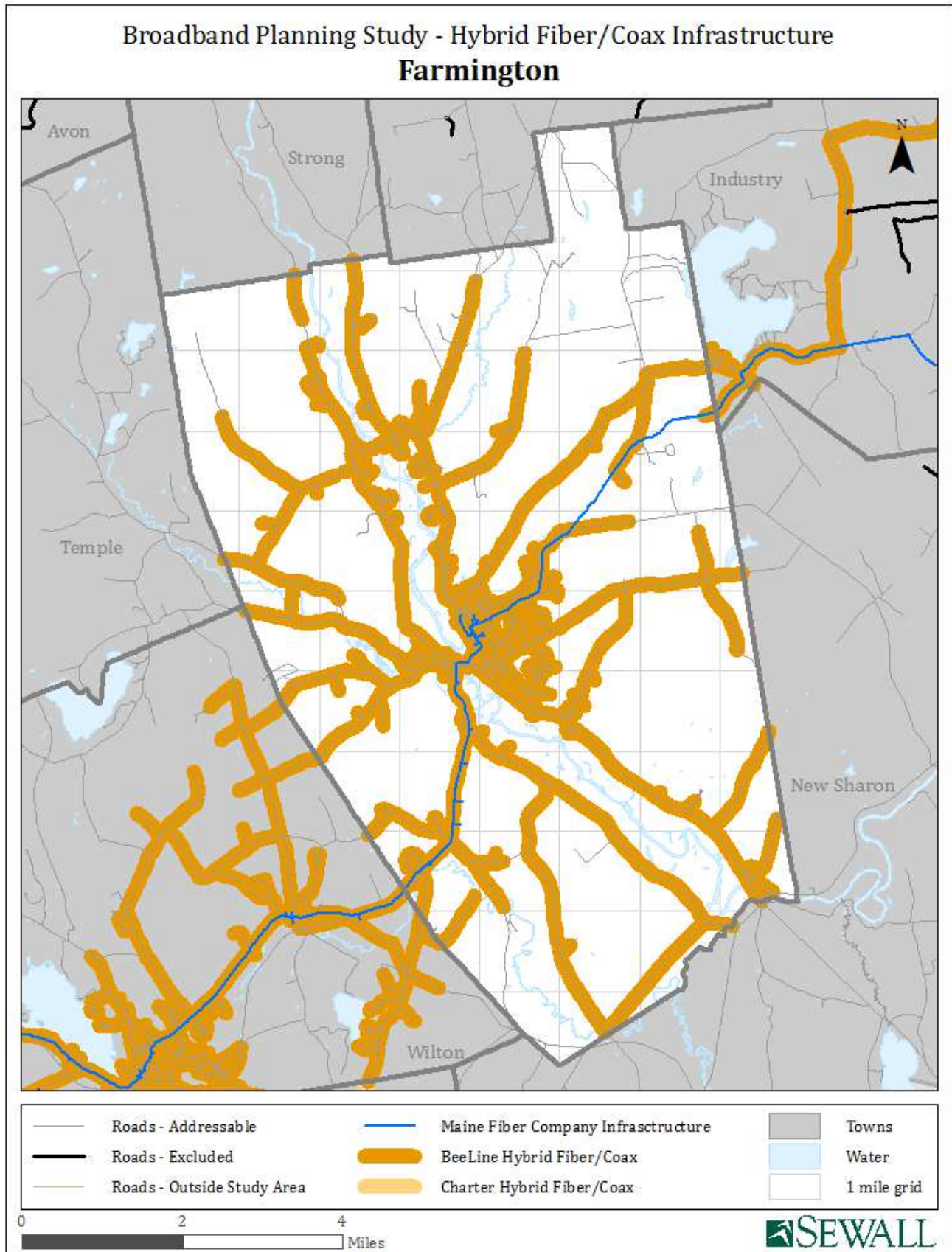
Farmington Existing Phone Fiber Map 2



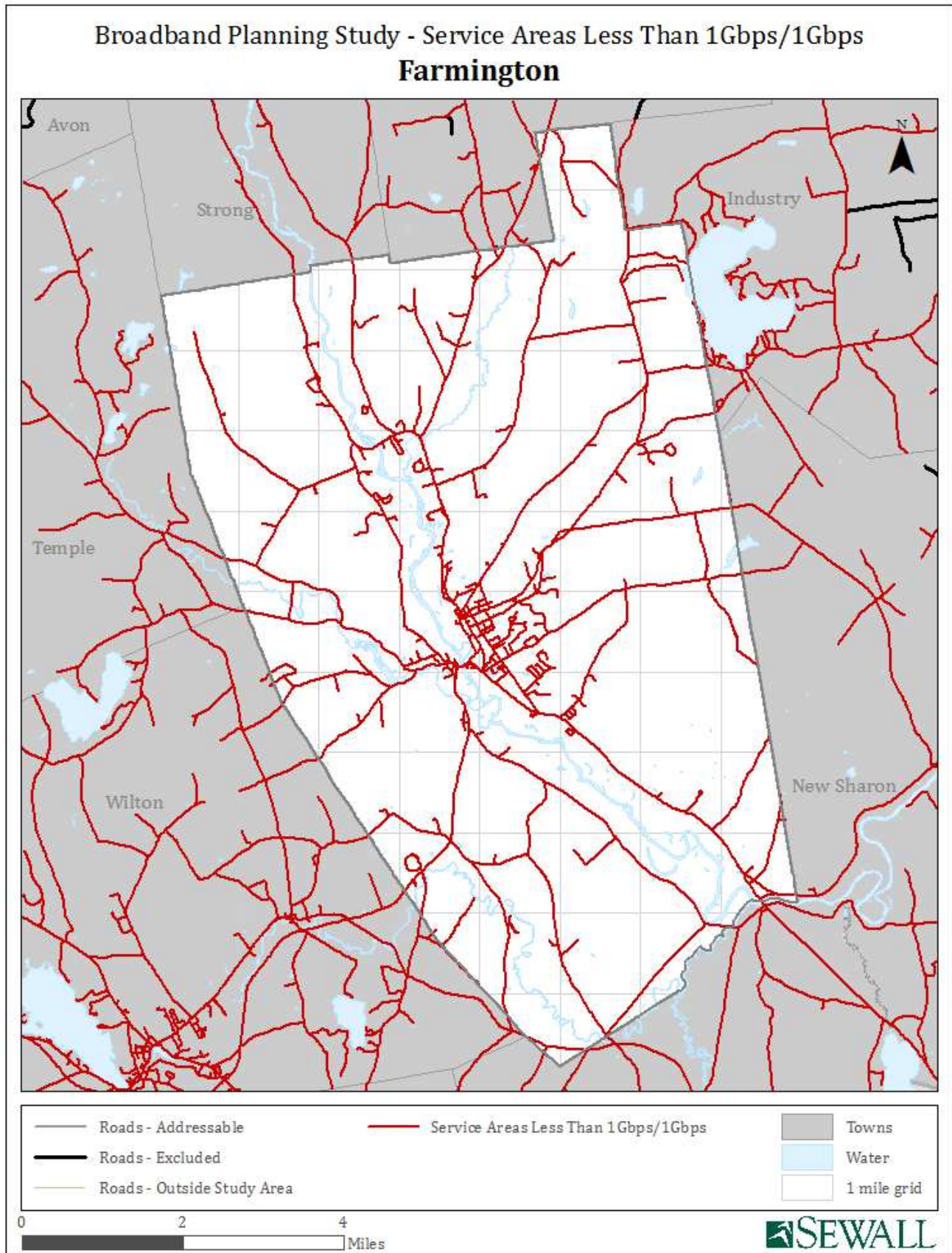
Farmington CAF-II Map 3



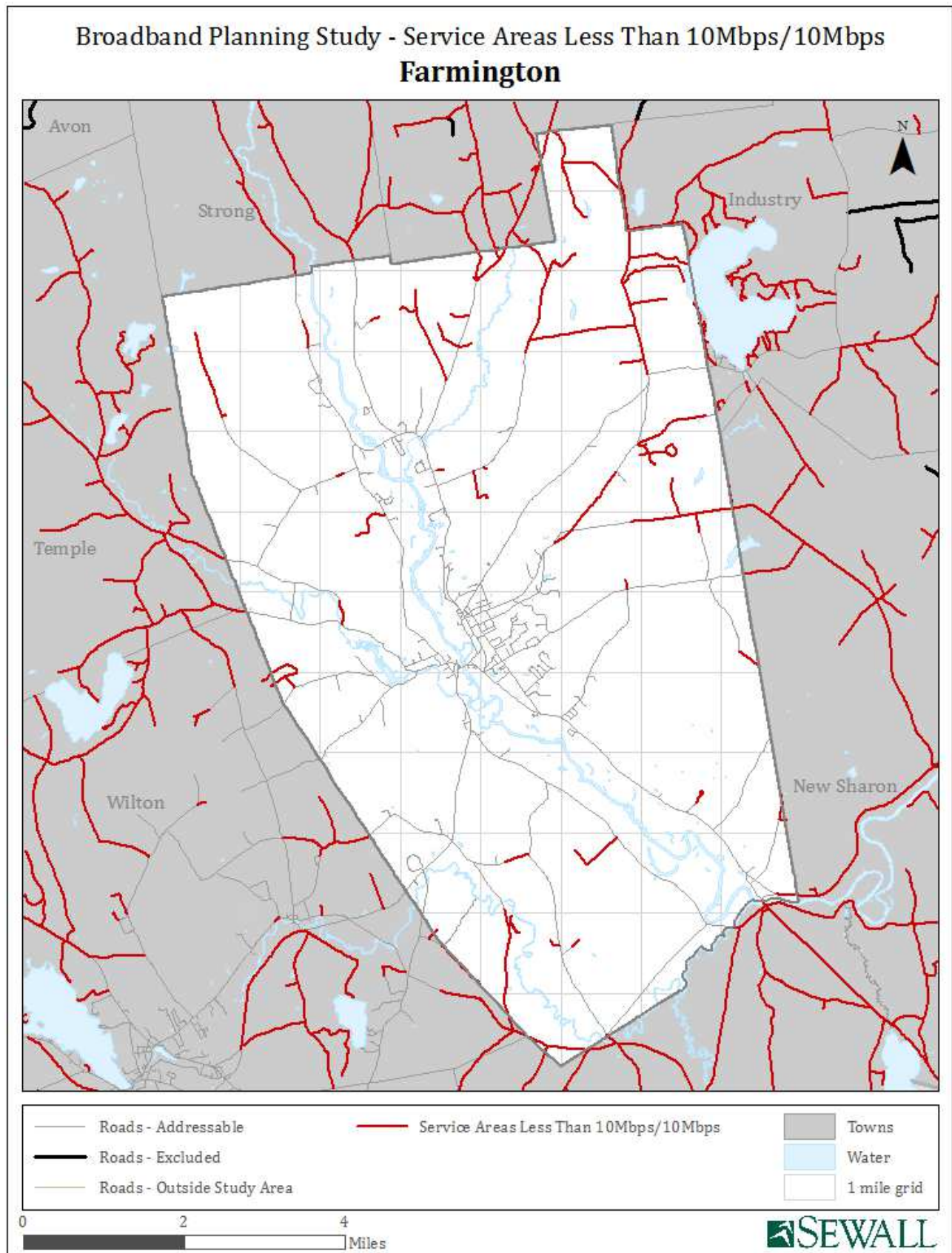
Farmington Hybrid Fiber/Coax Infrastructure Map 5



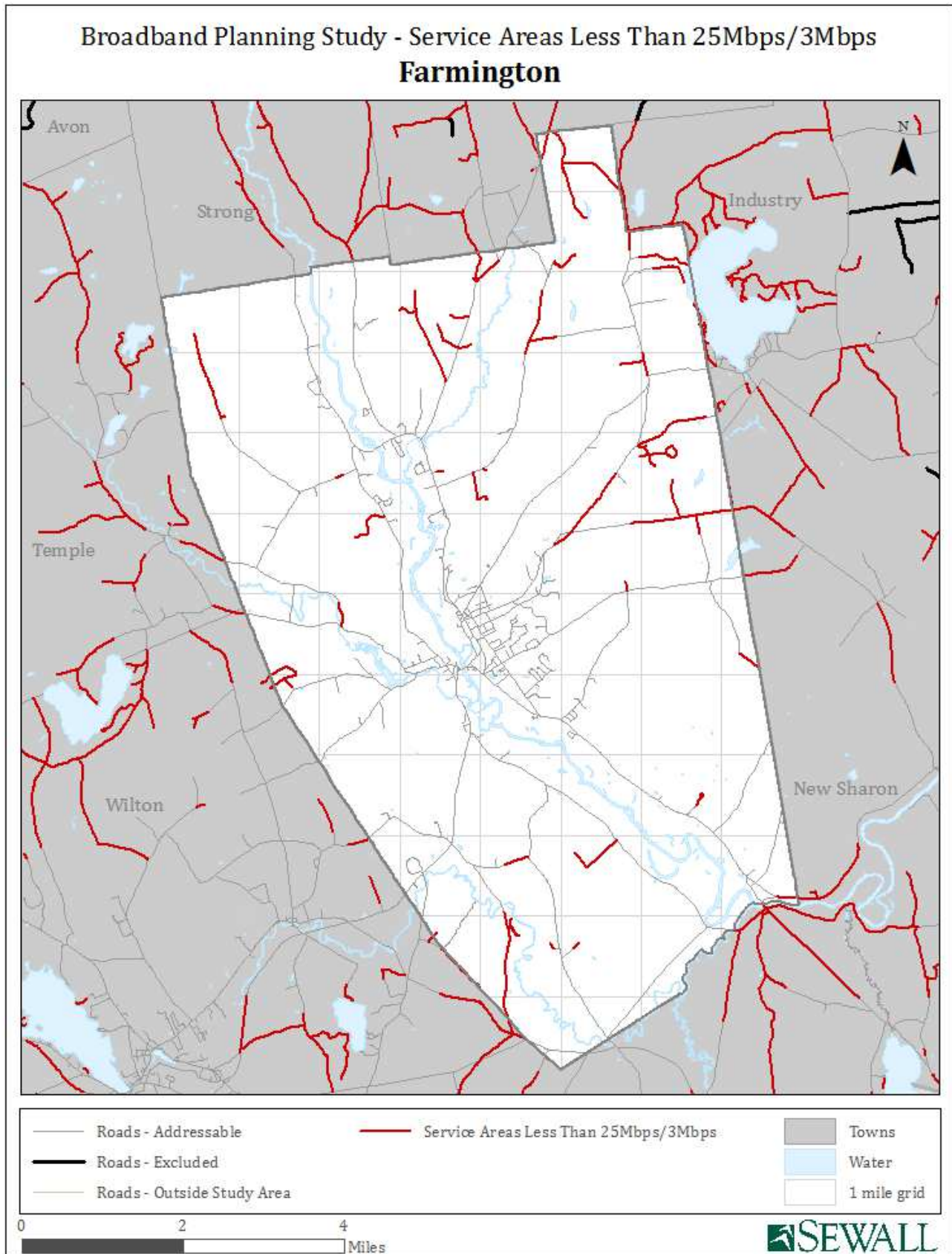
Farmington Service Areas less than 1 Gbps/1 Gbps Map 6



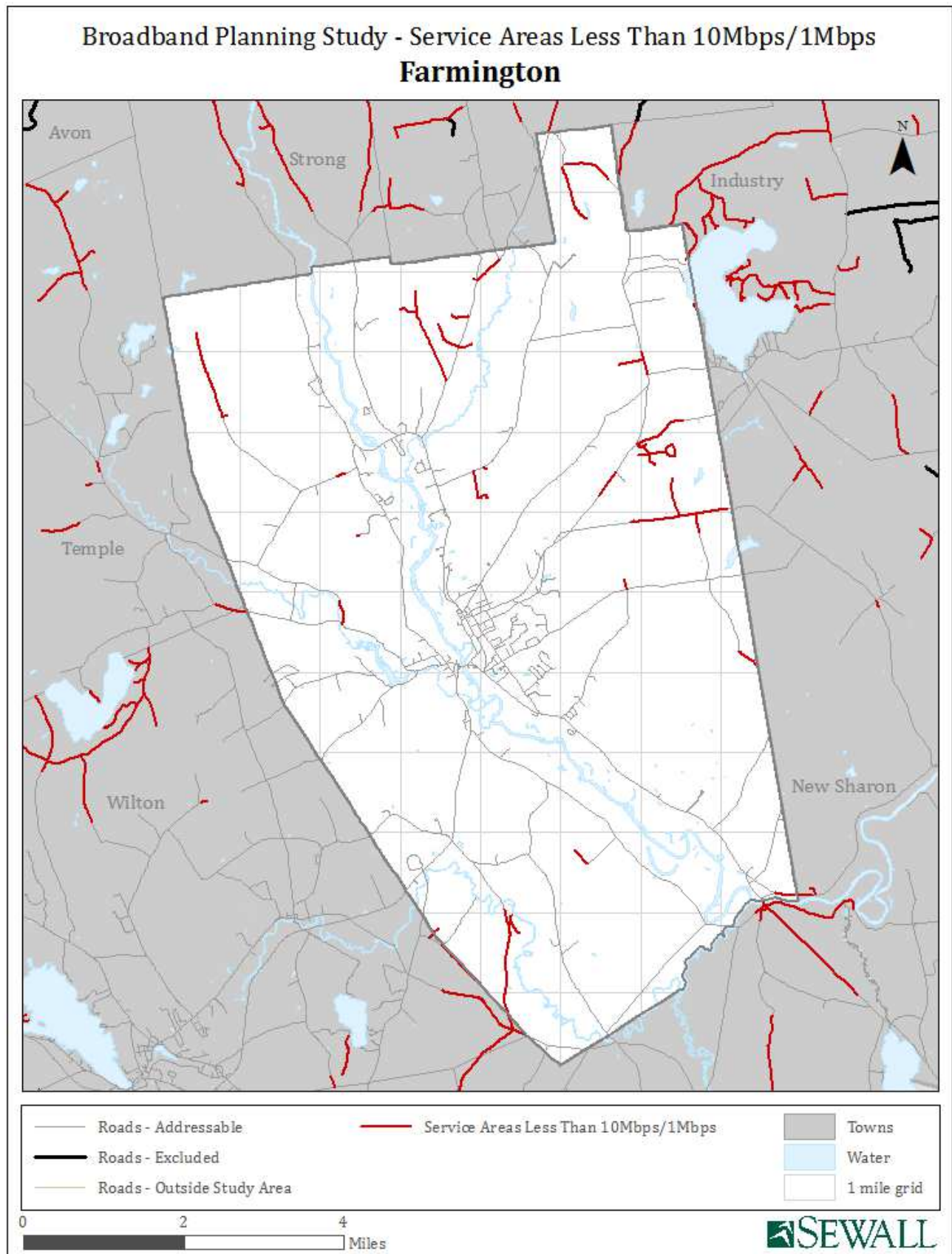
Farmington Service Areas less than 10 Mbps/10 Mbps Map 7



Farmington Service Areas less than 25 Mbps/3 Mbps Map 8

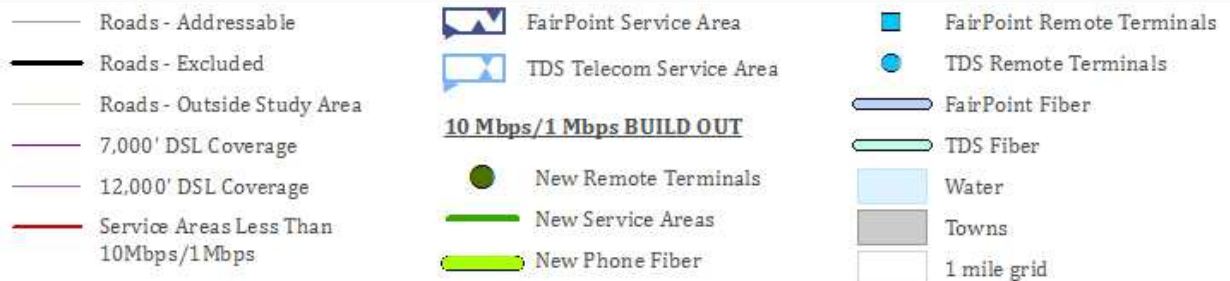
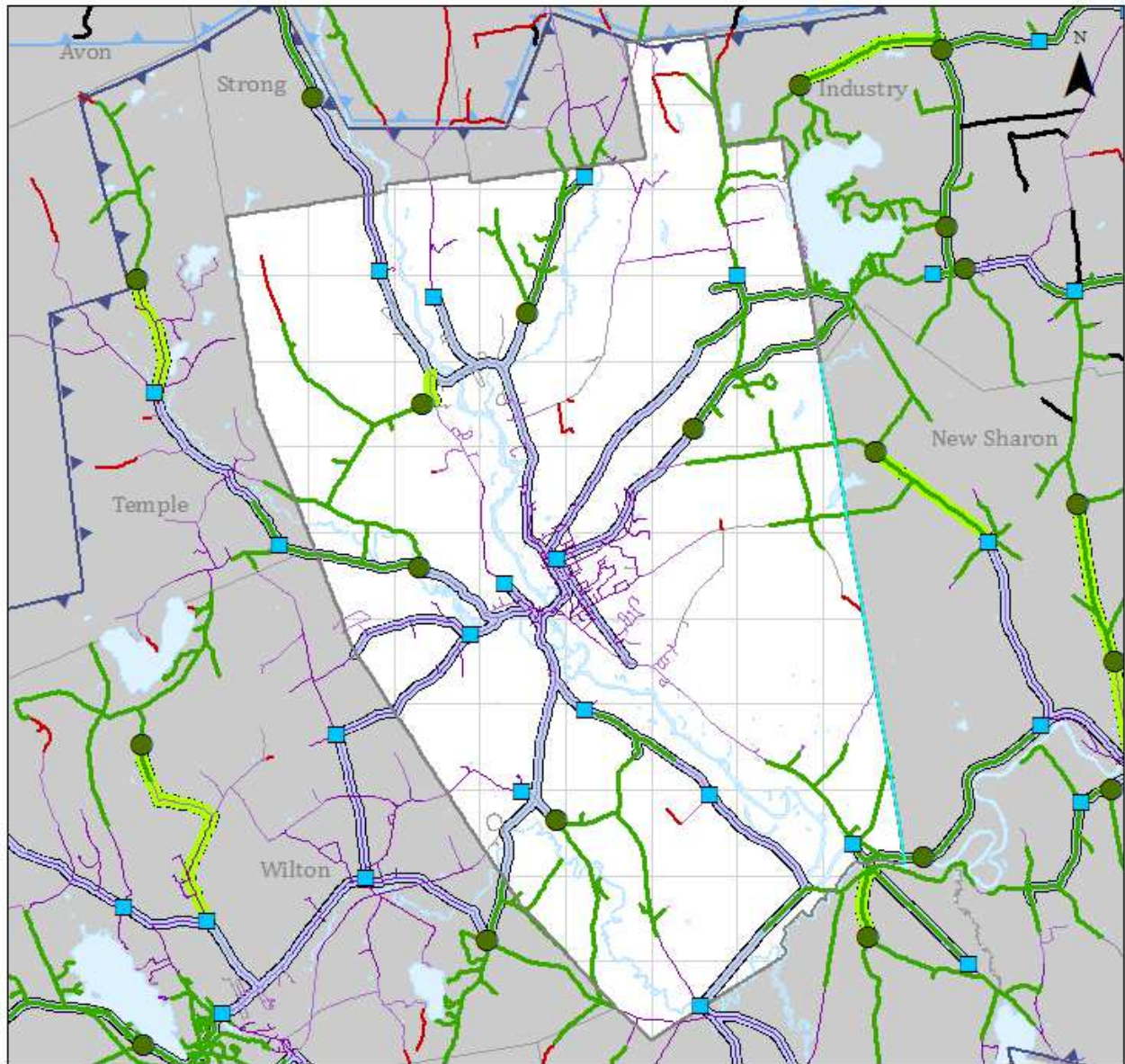


Farmington Service Areas less than 10 Mbps/1 Mbps Map 9



Farmington Design for Universal Minimum 10 Mbps/1 Mbps Map 10

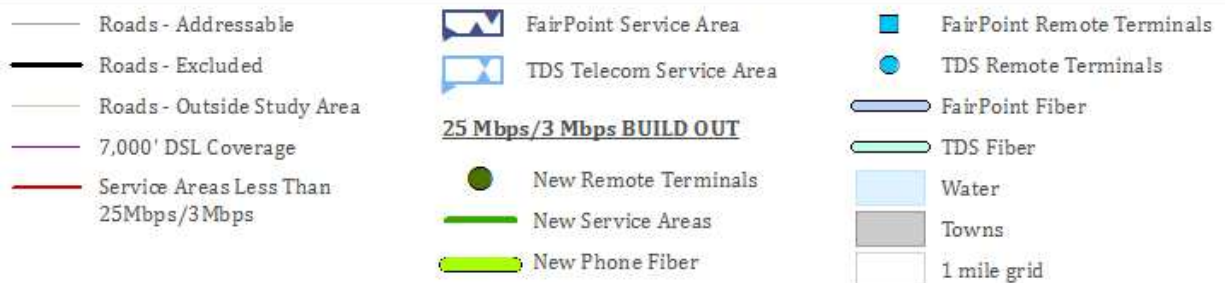
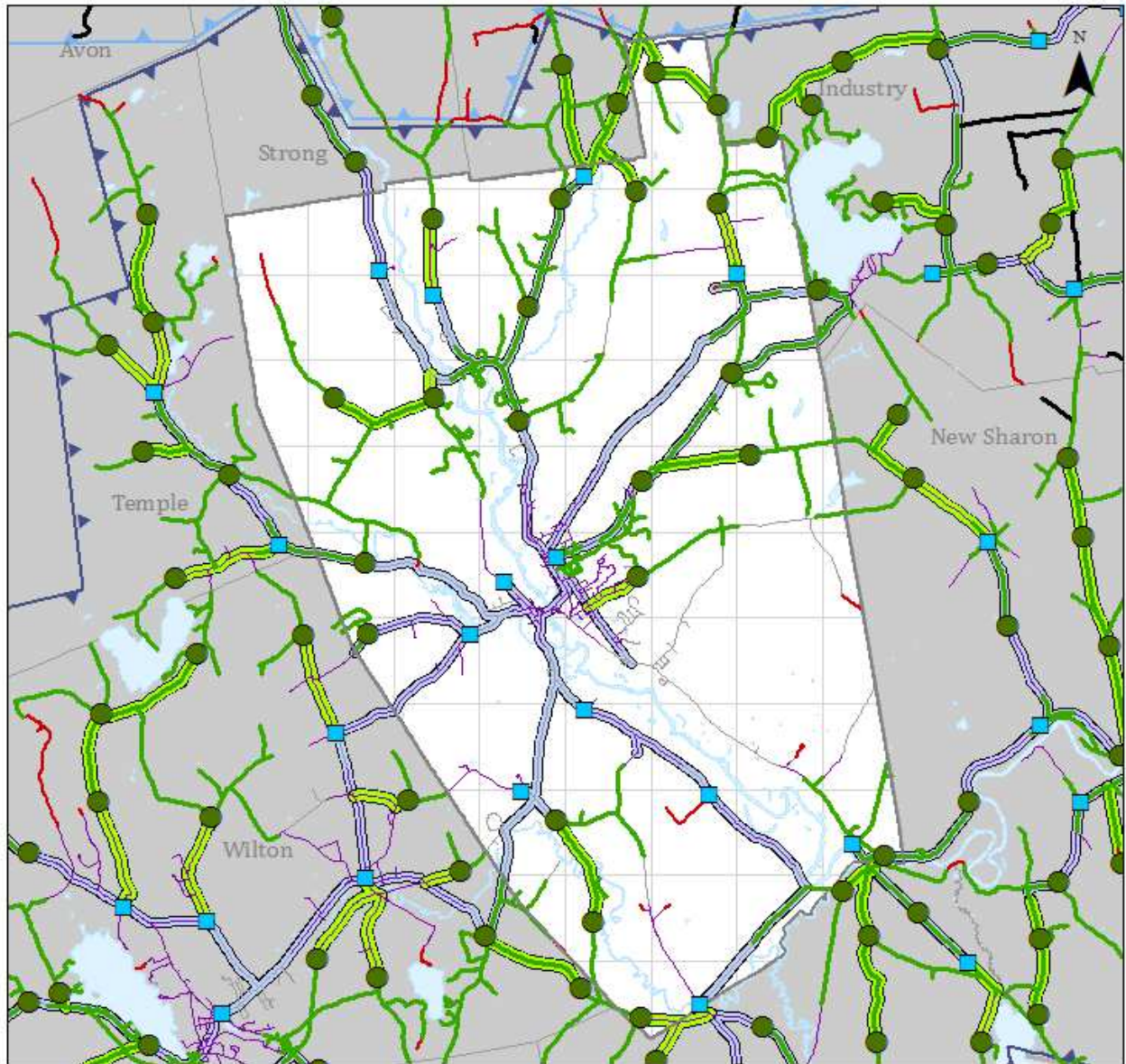
Broadband Planning Study - Design for Universal Minimum 10Mbps/1Mbps Farmington



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Miles

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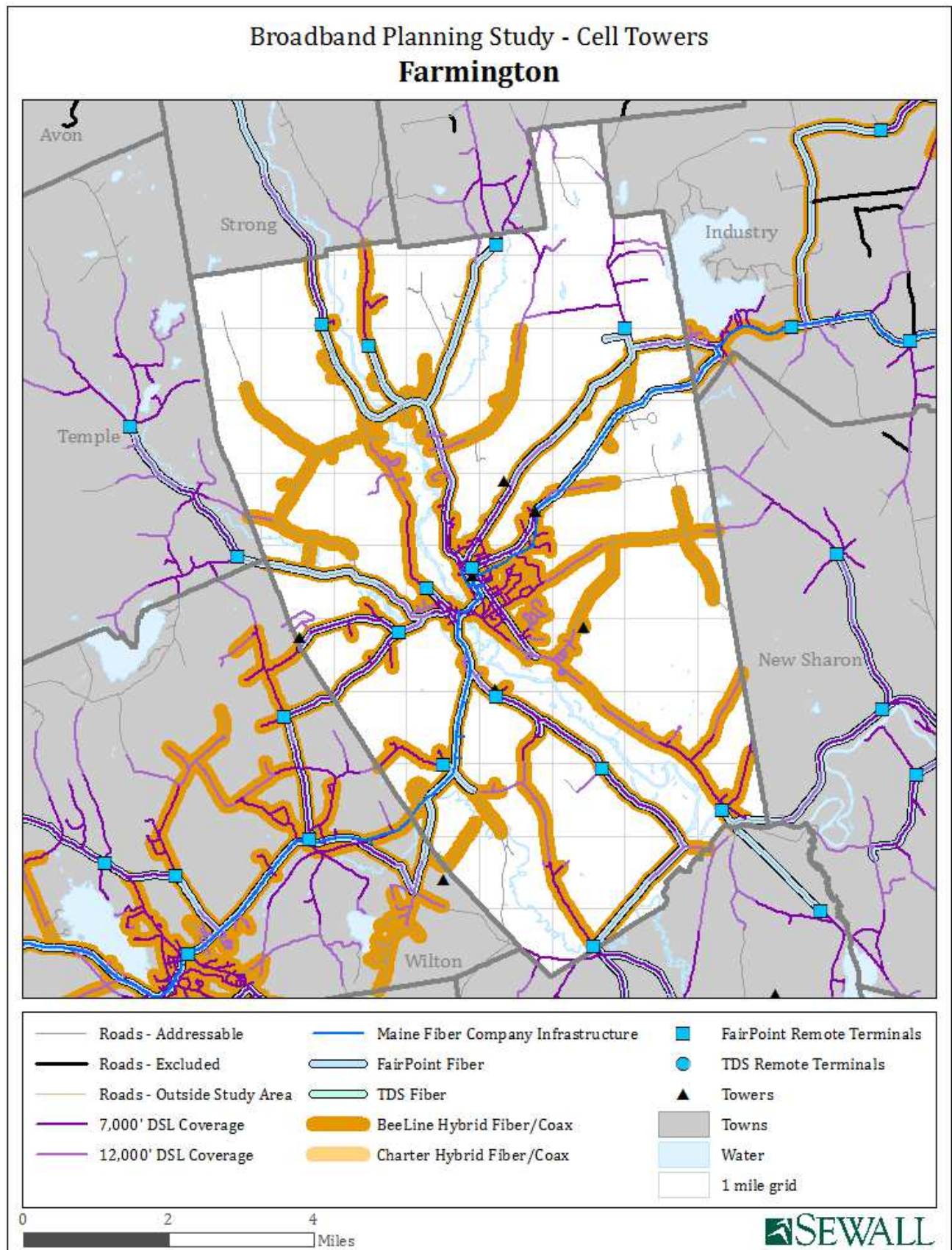
Farmington Design for Universal Minimum 25 Mbps/3 Mbps Map 11

Broadband Planning Study - Design for Universal Minimum 25Mbps/3Mbps
Farmington

0 2 4
Miles

SEWALL

Farmington Cell Towers Map 12



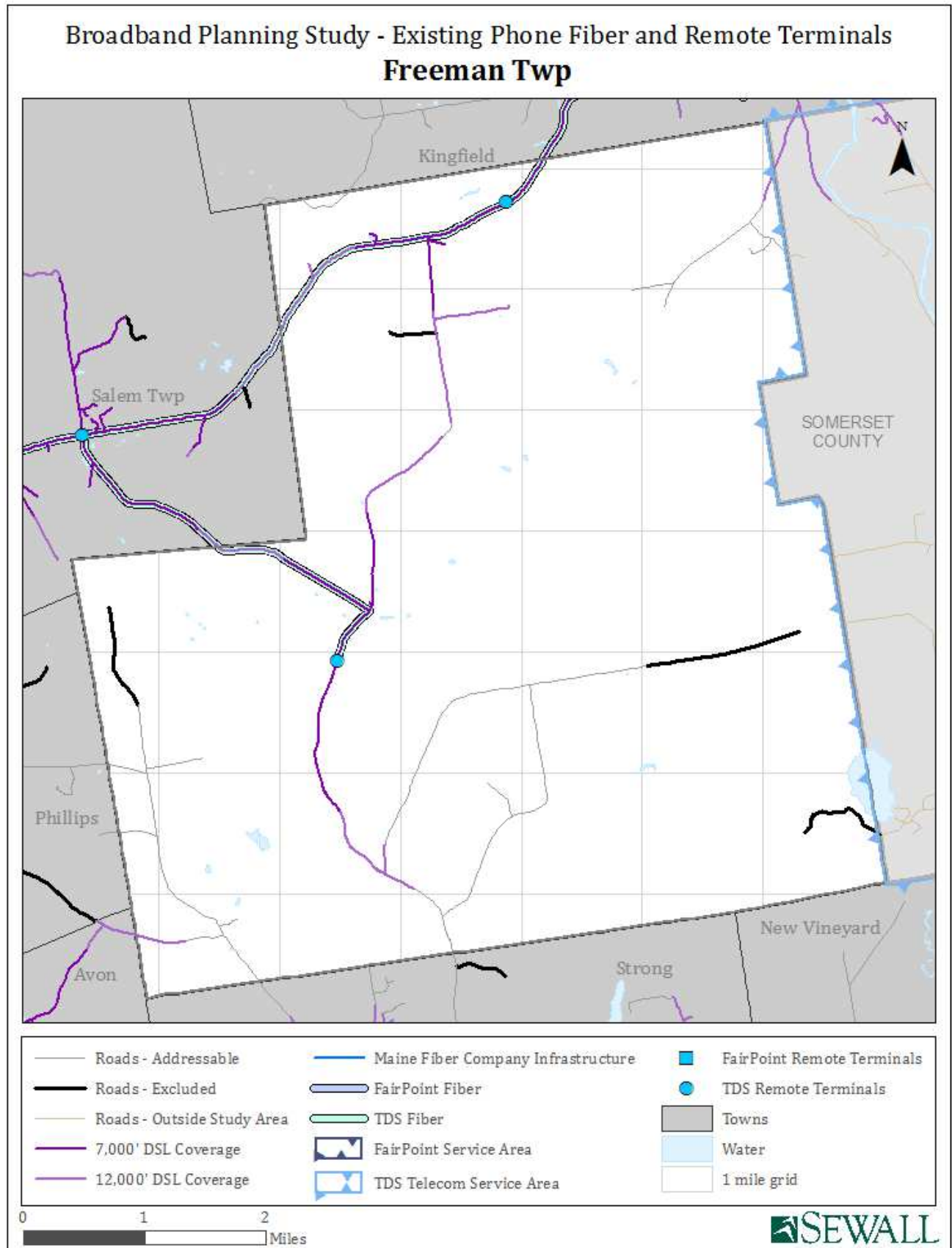
C-14 Freeman Twp

Special Considerations

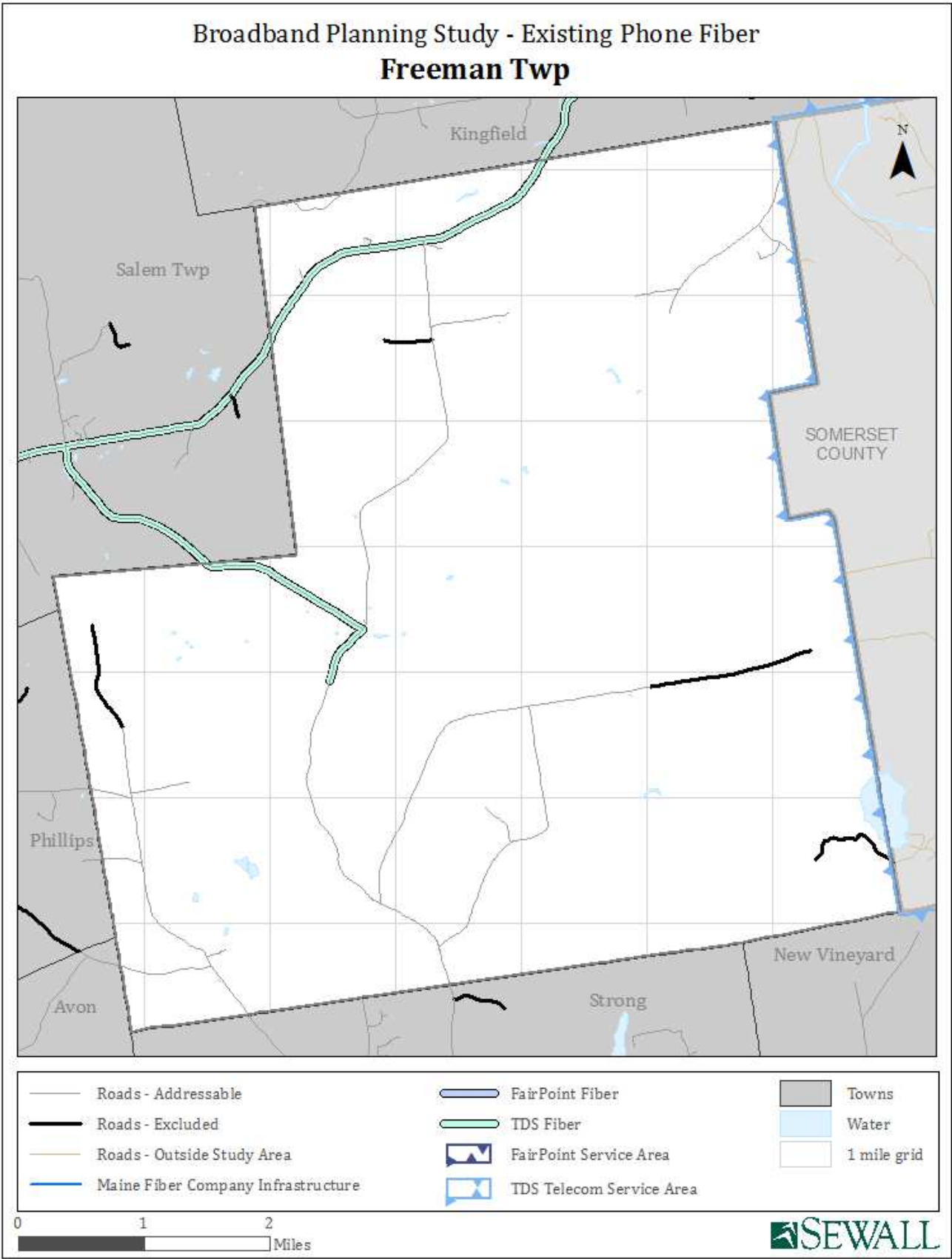
An additional 0.5 miles of outside plant will need to be added to the portion of Freeman Ridge Road from Main Street in Kingfield through the area of New Portland (outside of Study Area). This consideration has been reflected in the cost tables.

Freeman Township				
Statistical Data	Cost	Unit	Freeman Twp	Study Area Totals
911 Addresses			170	22,824
Total Road Mileage			29.5	1,637
Phone Fiber Mileage			4.7	336
Hybrid Fiber/Coax Mileage			-	451
1G/1G FTTP Gap Miles	\$ 40,000	mile	26.0	1,363
1G/1G FTTP 911 Addresses	\$ 700	sub	167	22,500
<i>Potential Subscribers per mile</i>			6	17
Total Cost			\$1,158,760	\$70,258,775
<i>Per Potential Subscriber</i>			\$6,939	\$3,123
<i>Per Mile</i>			\$44,488	\$51,558
10M/10M Gap Miles	\$ 35,000	mile	26.0	910
10M/10M Gap 911 Addresses	\$ 350	sub	167	8,351
<i>Potential Subscribers per mile</i>			6	9
Total Cost			\$970,078	\$34,776,219
<i>Per Potential Subscriber</i>			\$5,809	\$4,164
<i>Per Mile</i>			\$37,244	\$38,212
Potential private investment			\$310,988	\$15,955,247
Potential public subsidy			\$659,090	\$18,820,972
25M/3M Gap Miles			19.8	650
25M/3M Gap 911 Addresses			108	4,931
25M/3M New RT Quantity	\$ 25,000		7	270
25M/3M New Fiber Miles	\$ 25,000		8.5	182
<i>Potential Subscribers per mile</i>			5	8
Total Cost			\$386,837	\$11,305,524
<i>Per Potential Subscriber</i>			\$3,582	\$2,293
Potential private investment			\$105,340	\$4,286,572
Potential public subsidy			\$281,496	\$7,018,952
10M/1M Gap Miles			13.7	407
10M/1M Gap 911 Addresses			59	2,925
10M/1M New RT Quantity	\$ 25,000		1	93
10M/1M New Fiber Miles	\$ 25,000		2.0	74
<i>Potential Subscribers per mile</i>			4	7
Total Cost			\$75,625	\$4,167,973
<i>Per Potential Subscriber</i>			\$1,282	\$1,425
Potential private investment			\$16,296	\$1,497,587
Potential public subsidy			\$59,329	\$2,670,386
CAF-II Funded Locations			-	2,429
A-CAM Funded Locations			88	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$15,030	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$17,191	\$899,395
Insurance	\$183	mile	\$4,778	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$5,209	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$2,088	\$281,250
Administration	\$30	sub	\$2,505	\$337,500
Total Operating Expense			\$31,771	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			(\$16,741)	(\$15,689)

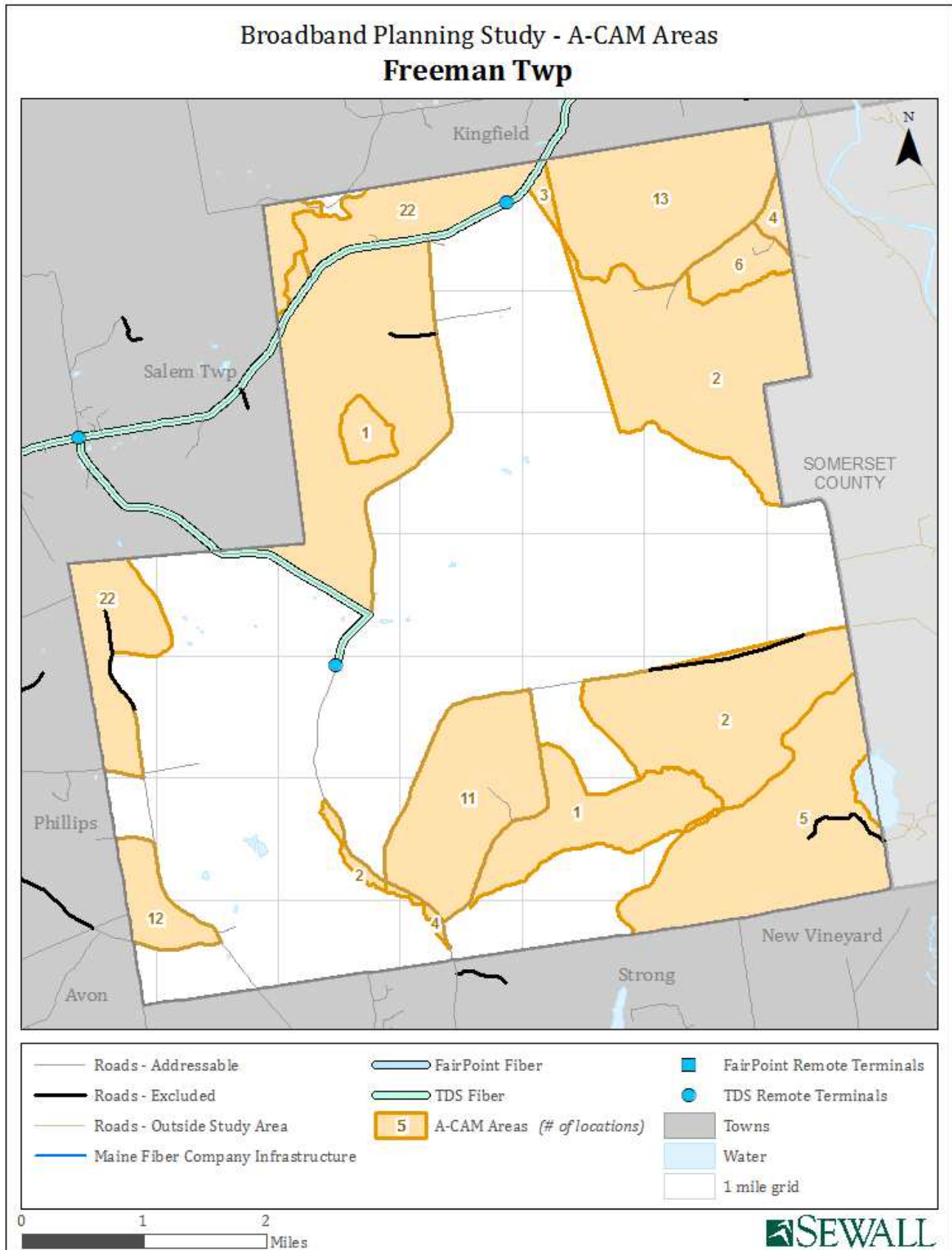
Freeman Twp Existing Phone Fiber & Remote Terminals Map 1



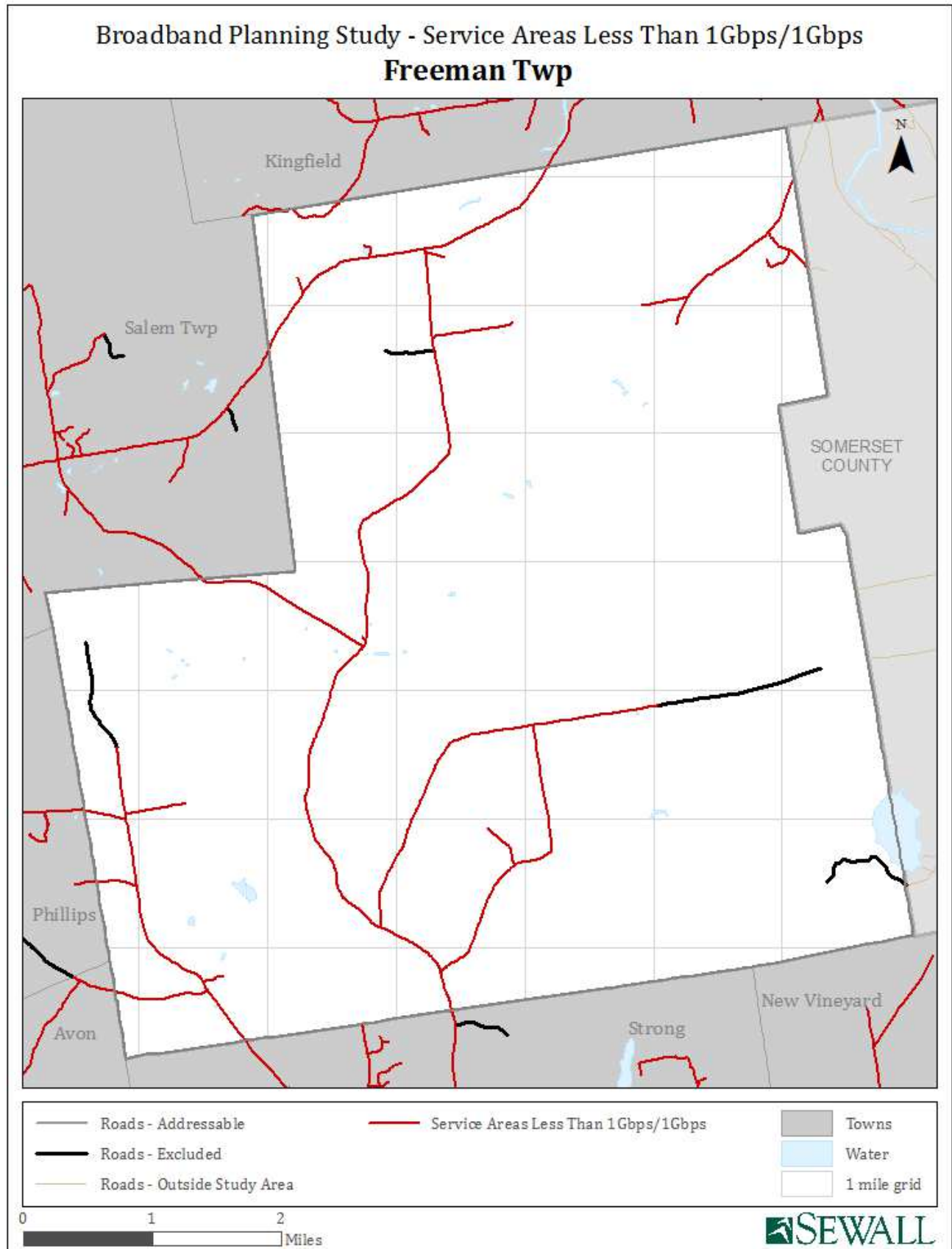
Freeman Twp Existing Phone Fiber Map 2



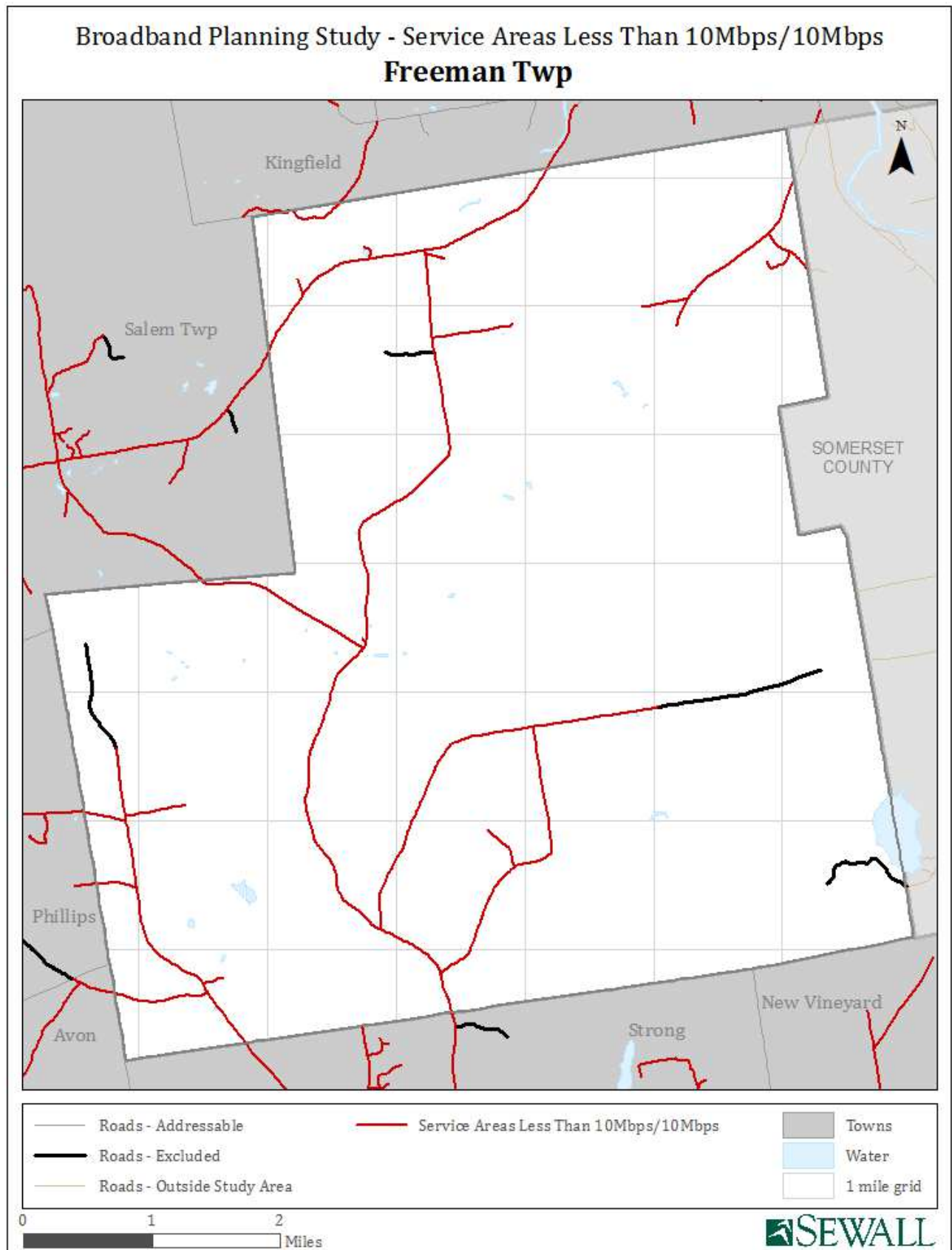
Freeman Twp A-CAM Map 4



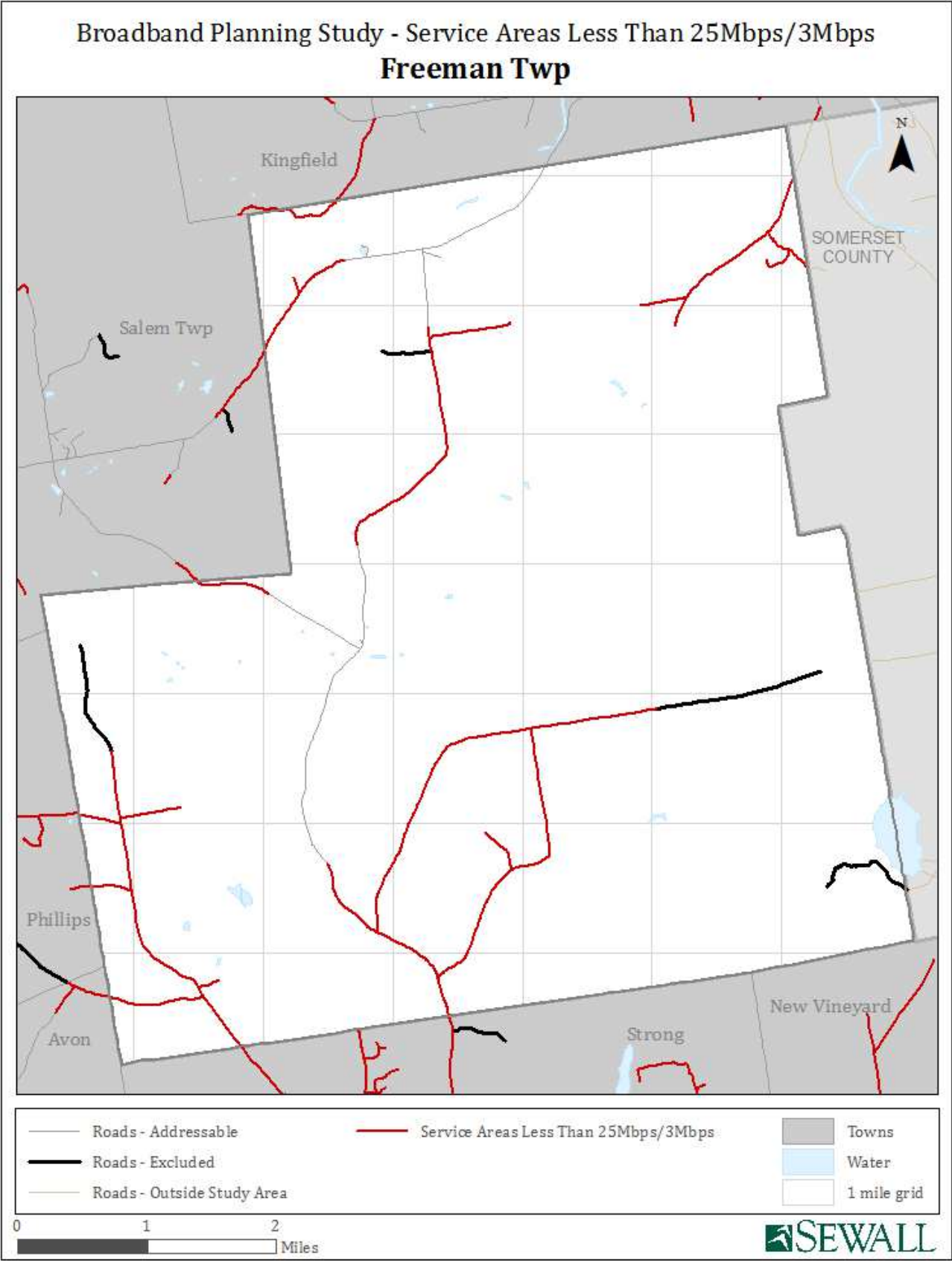
Freeman Twp Service Areas less than 1 Gbps/1 Gbps Map 6



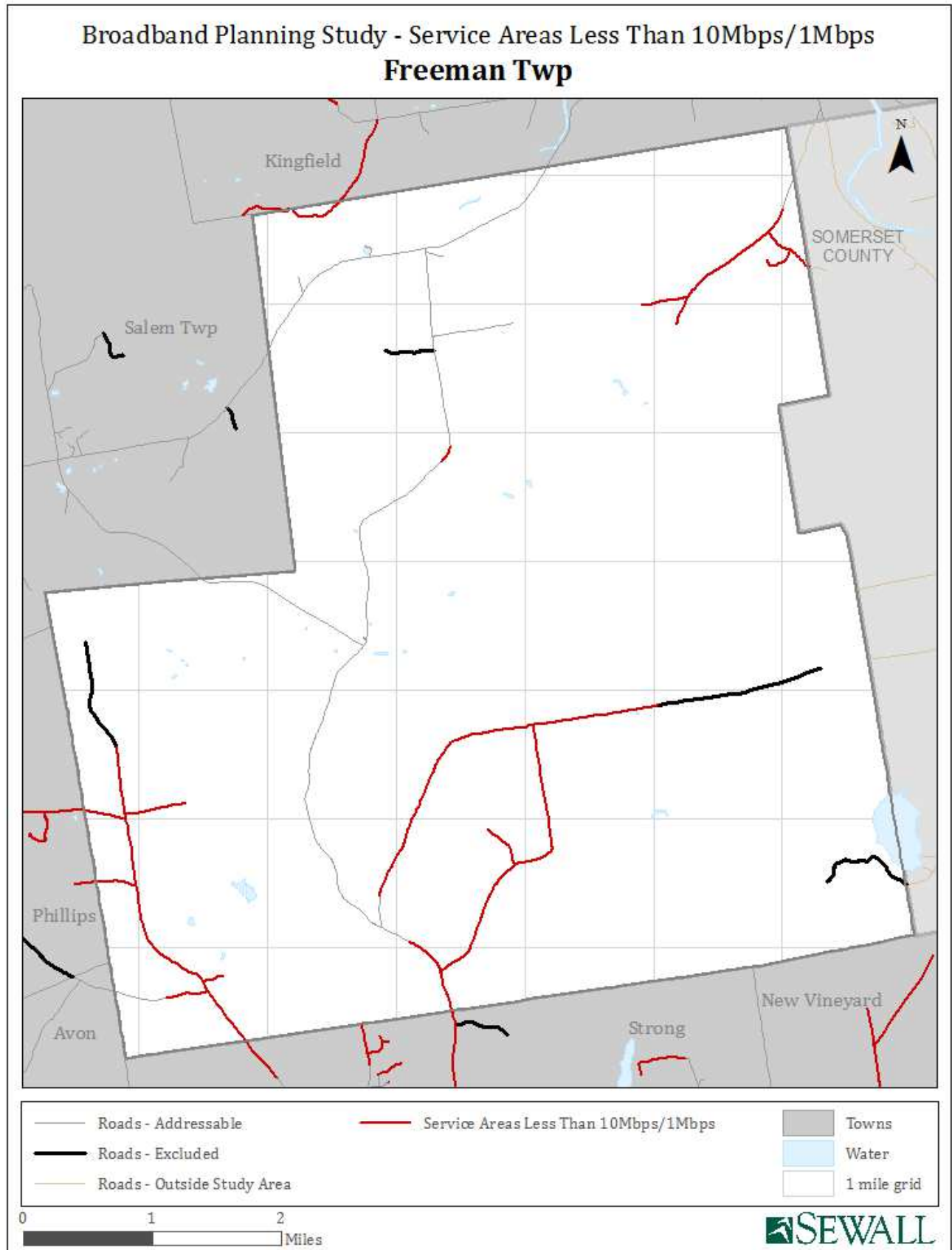
Freeman Twp Service Areas less than 10 Mbps/10 Mbps Map 7



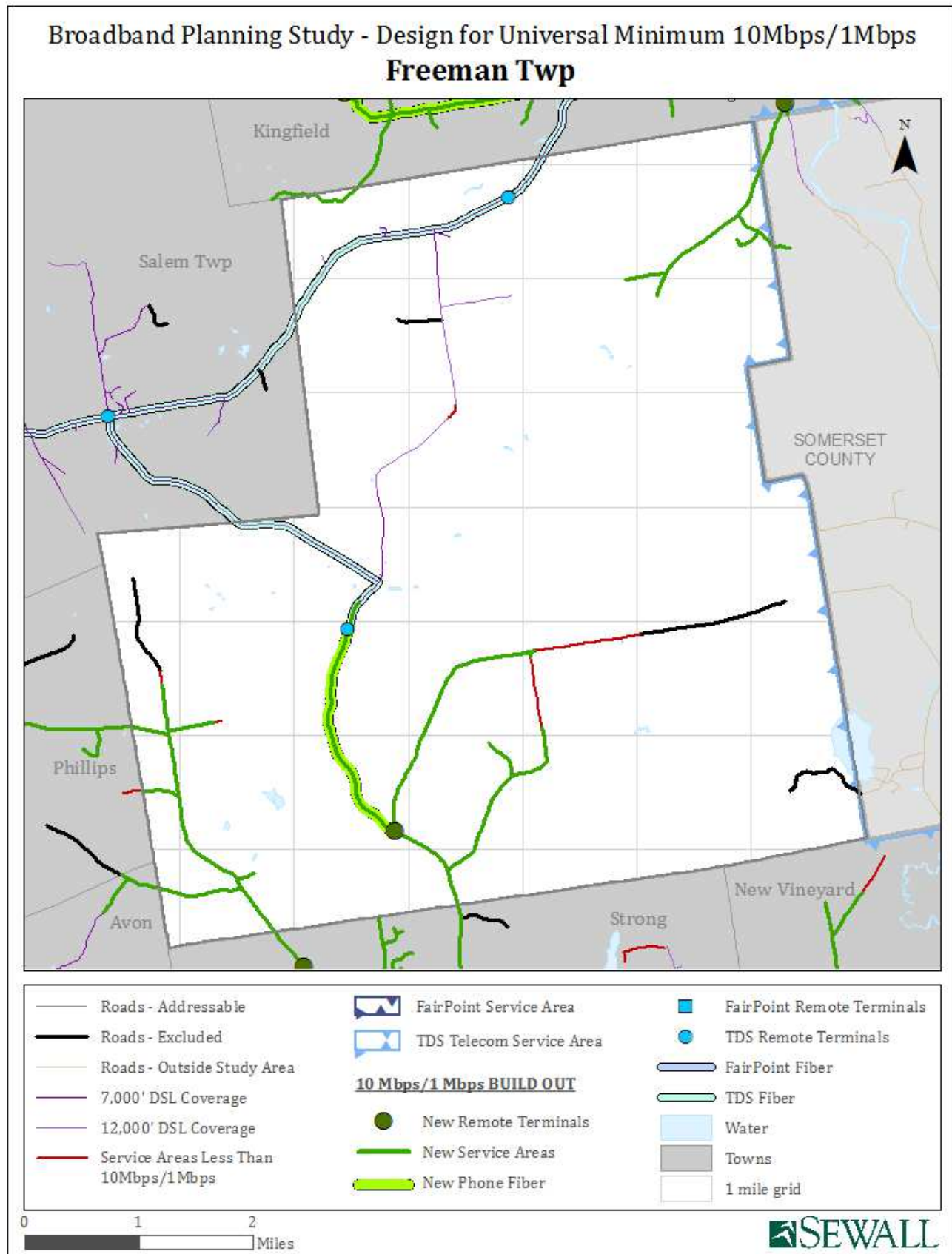
Freeman Twp Service Areas less than 25 Mbps/3 Mbps Map 8



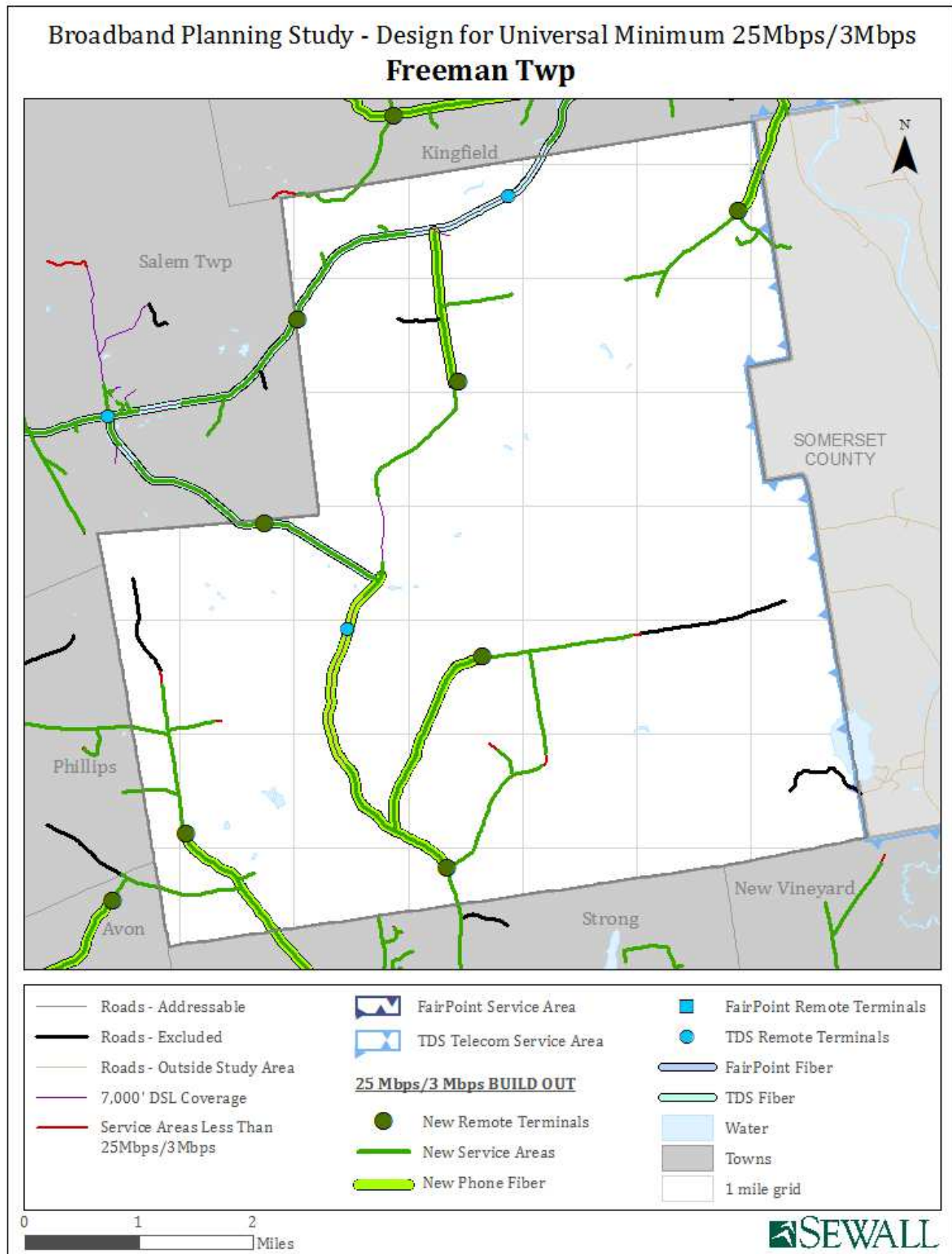
Freeman Twp Service Areas less than 10 Mbps/1 Mbps Map 9



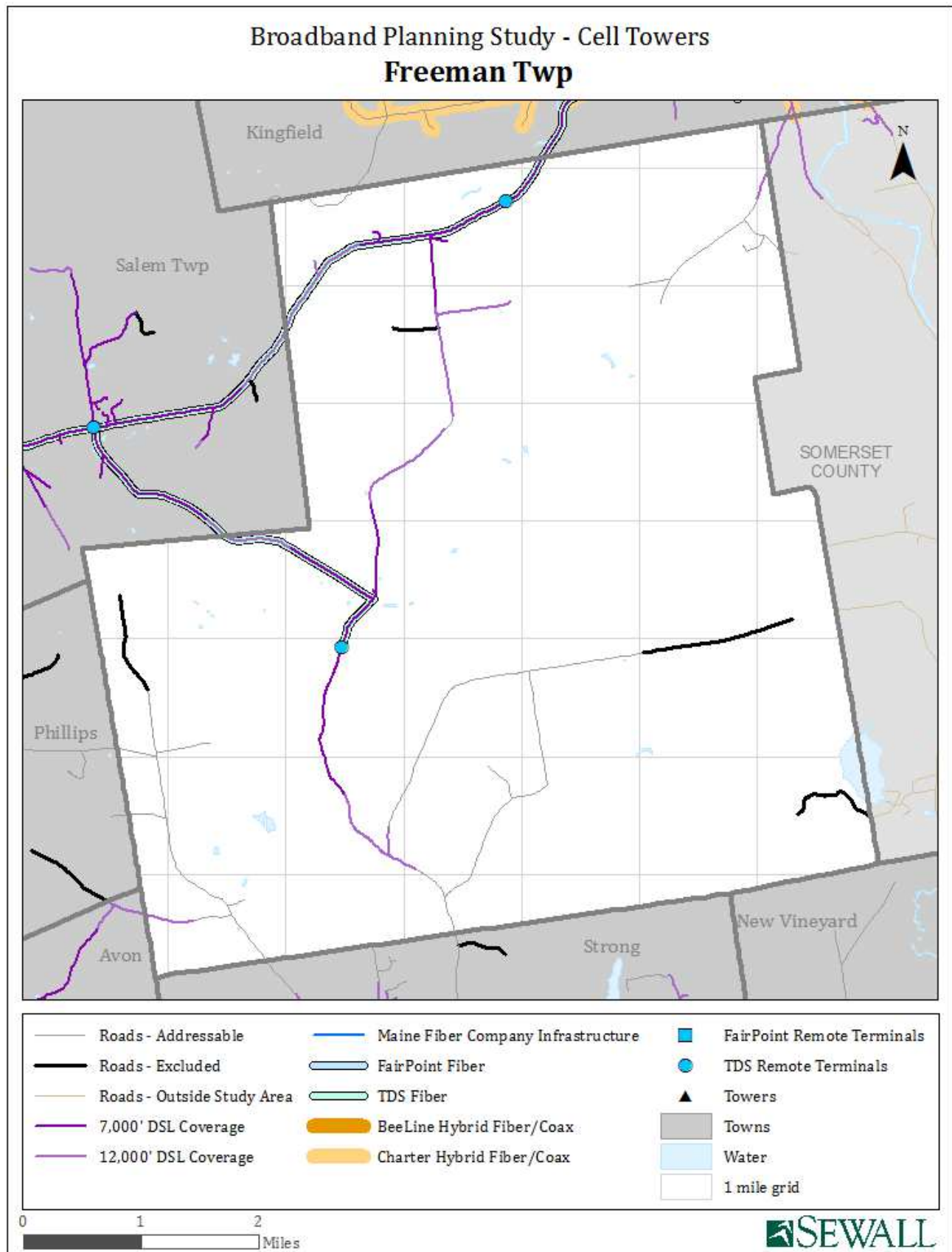
Freeman Twp Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Freeman Twp Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Freeman Twp Cell Towers Map 12



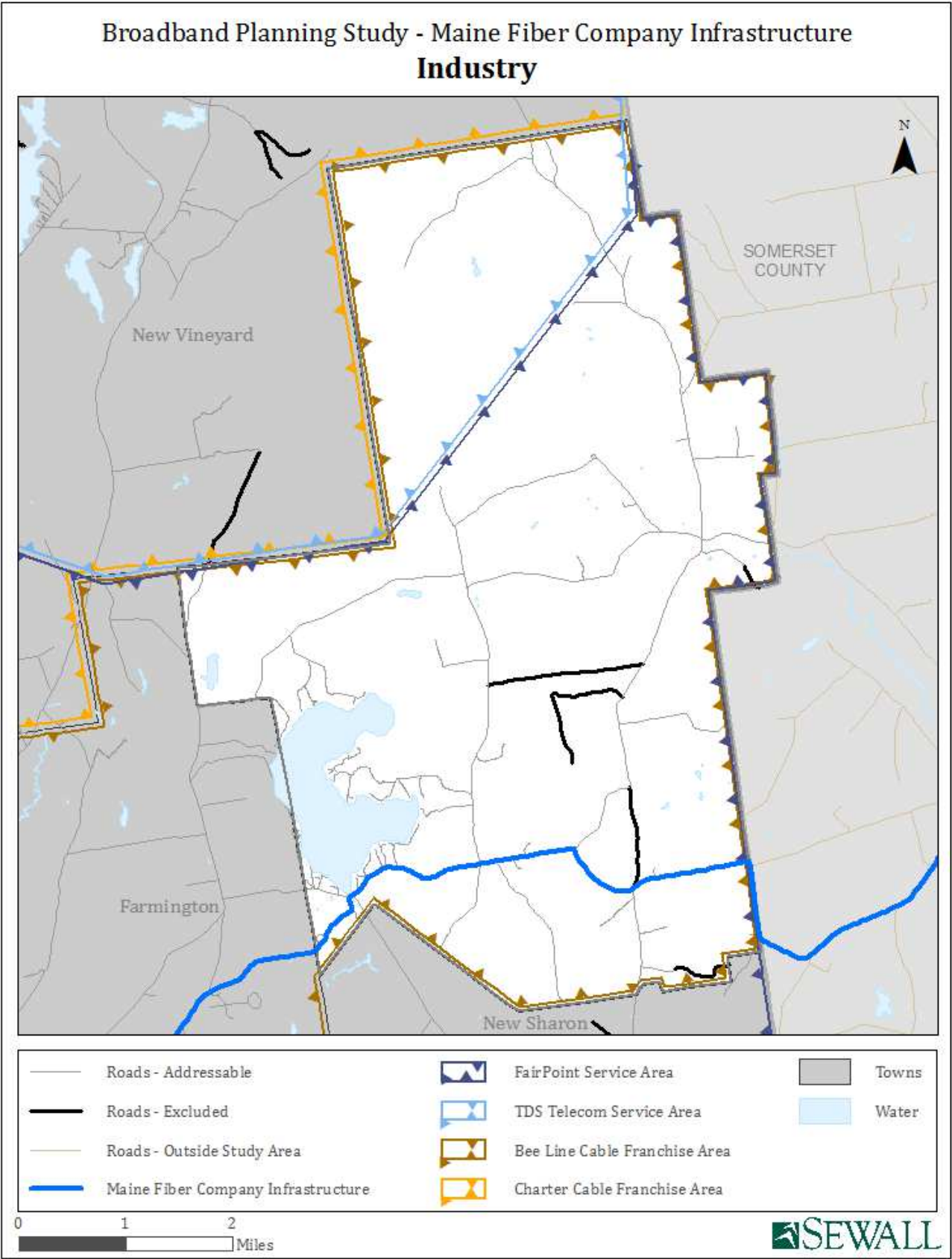
C-15 Industry

Special Considerations

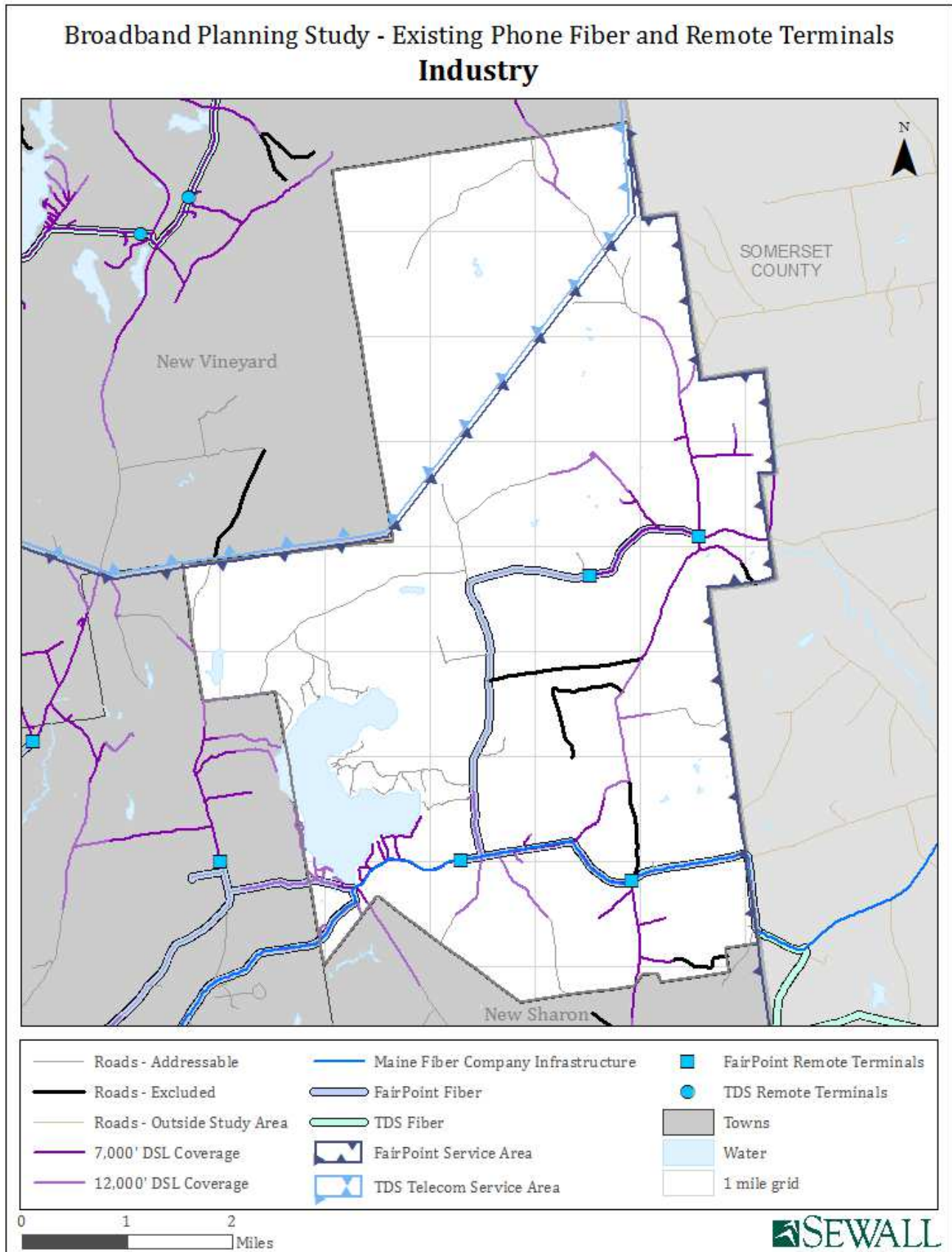
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Industry				
Statistical Data	Cost	Unit	Industry	Study Area Totals
911 Addresses			537	22,824
Total Road Mileage			55.9	1,637
Phone Fiber Mileage			9.9	336
Hybrid Fiber/Coax Mileage			13	451
1G/1G FTTP Gap Miles	\$ 40,000	mile	51.3	1,363
1G/1G FTTP 911 Addresses	\$ 700	sub	528	22,500
<i>Potential Subscribers per mile</i>			10	17
Total Cost			\$2,419,667	\$70,258,775
<i>Per Potential Subscriber</i>			<i>\$4,583</i>	<i>\$3,123</i>
<i>Per Mile</i>			<i>\$47,211</i>	<i>\$51,558</i>
10M/10M Gap Miles	\$ 35,000	mile	38.4	910
10M/10M Gap 911 Addresses	\$ 350	sub	316	8,351
<i>Potential Subscribers per mile</i>			8	9
Total Cost			\$1,455,050	\$34,776,219
<i>Per Potential Subscriber</i>			<i>\$4,605</i>	<i>\$4,164</i>
<i>Per Mile</i>			<i>\$37,879</i>	<i>\$38,212</i>
Potential private investment			\$598,492	\$15,955,247
Potential public subsidy			\$856,558	\$18,820,972
25M/3M Gap Miles			30.9	650
25M/3M Gap 911 Addresses			204	4,931
25M/3M New RT Quantity	\$ 25,000		14	270
25M/3M New Fiber Miles	\$ 25,000		6.9	182
<i>Potential Subscribers per mile</i>			7	8
Total Cost			\$522,759	\$11,305,524
<i>Per Potential Subscriber</i>			<i>\$2,563</i>	<i>\$2,293</i>
Potential private investment			\$172,406	\$4,286,572
Potential public subsidy			\$350,353	\$7,018,952
10M/1M Gap Miles			21.5	407
10M/1M Gap 911 Addresses			139	2,925
10M/1M New RT Quantity	\$ 25,000		6	93
10M/1M New Fiber Miles	\$ 25,000		3.3	74
<i>Potential Subscribers per mile</i>			6	7
Total Cost			\$232,072	\$4,167,973
<i>Per Potential Subscriber</i>			<i>\$1,670</i>	<i>\$1,425</i>
Potential private investment			\$74,899	\$1,497,587
Potential public subsidy			\$157,173	\$2,670,386
CAF-II Funded Locations			255	2,429
A-CAM Funded Locations			-	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$47,520	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$33,826	\$899,395
Insurance	\$183	mile	\$9,402	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$10,250	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$6,600	\$281,250
Administration	\$30	sub	\$7,920	\$337,500
Total Operating Expense			\$67,999	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			(\$20,479)	(\$15,689)

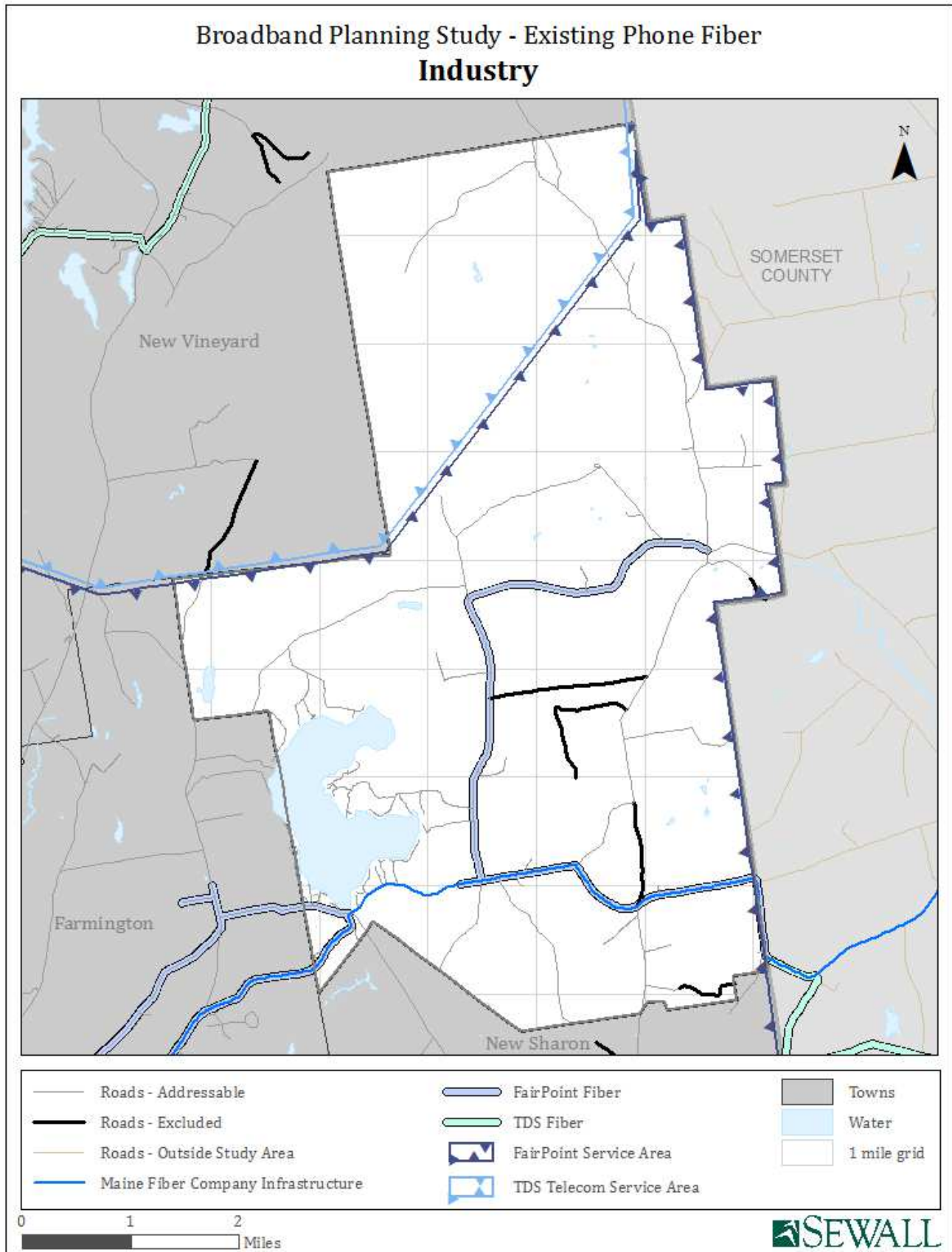
Industry Maine Fiber Company Infrastructure Map D



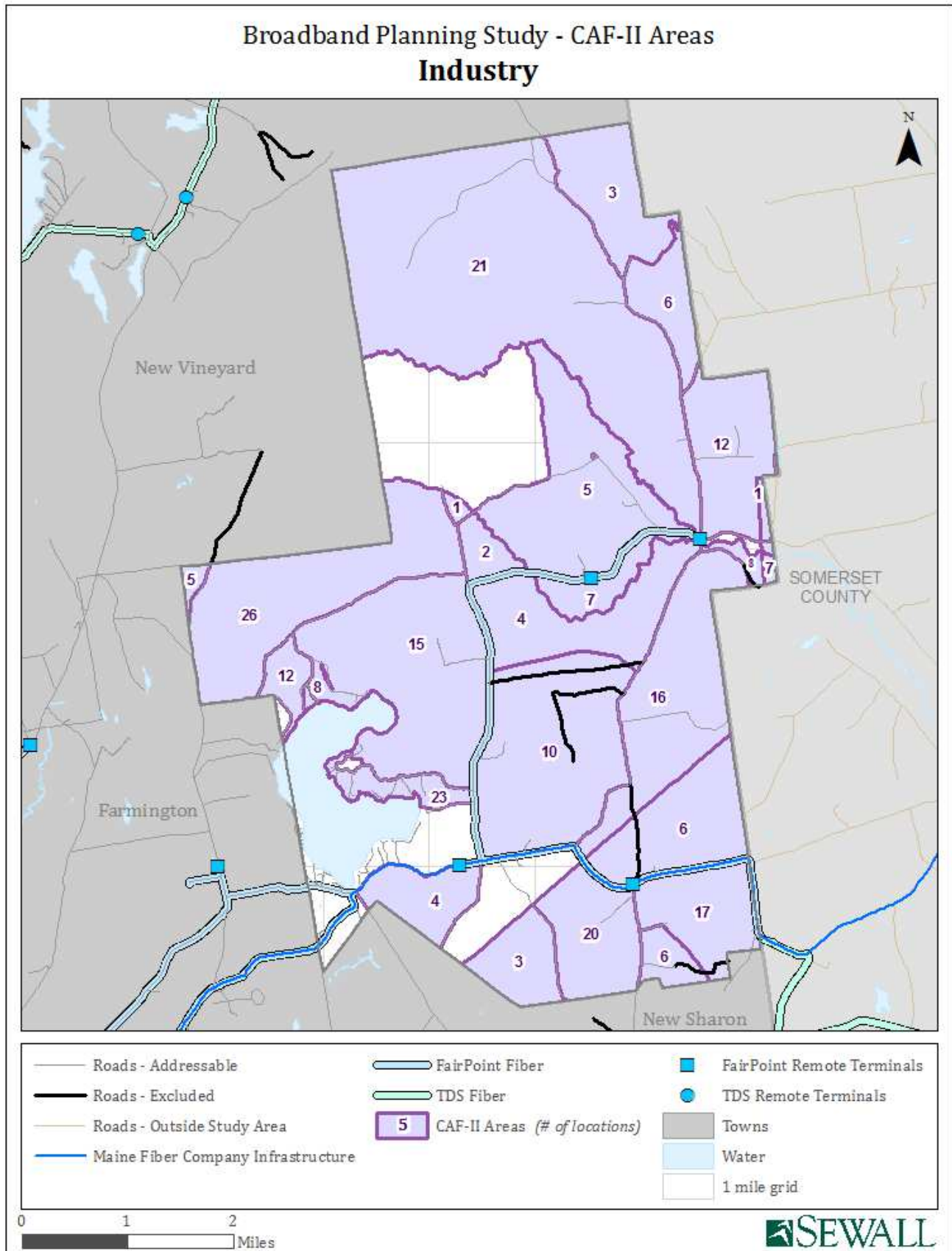
Industry Existing Phone Fiber & Remote Terminals Map 1



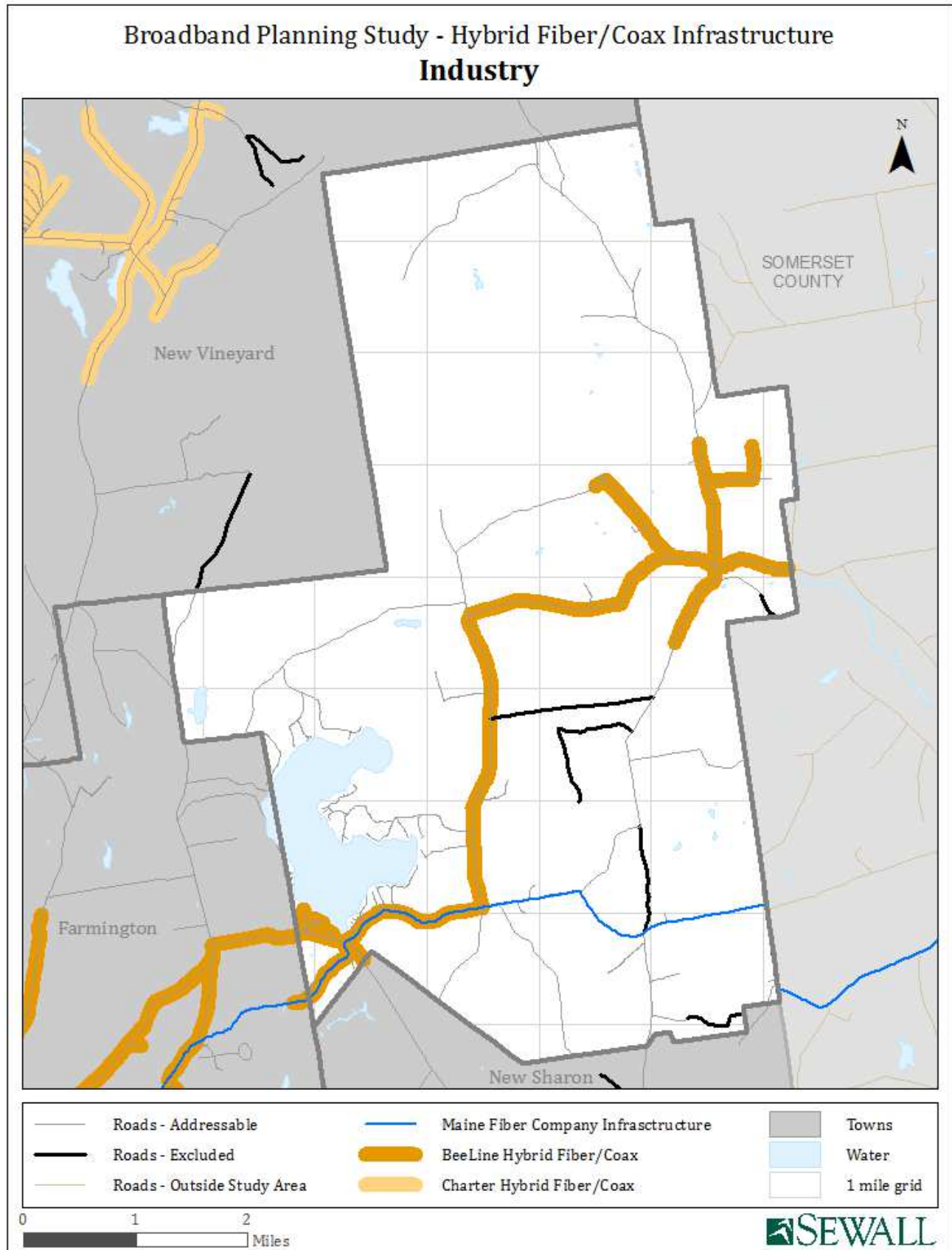
Industry Existing Phone Fiber Map 2



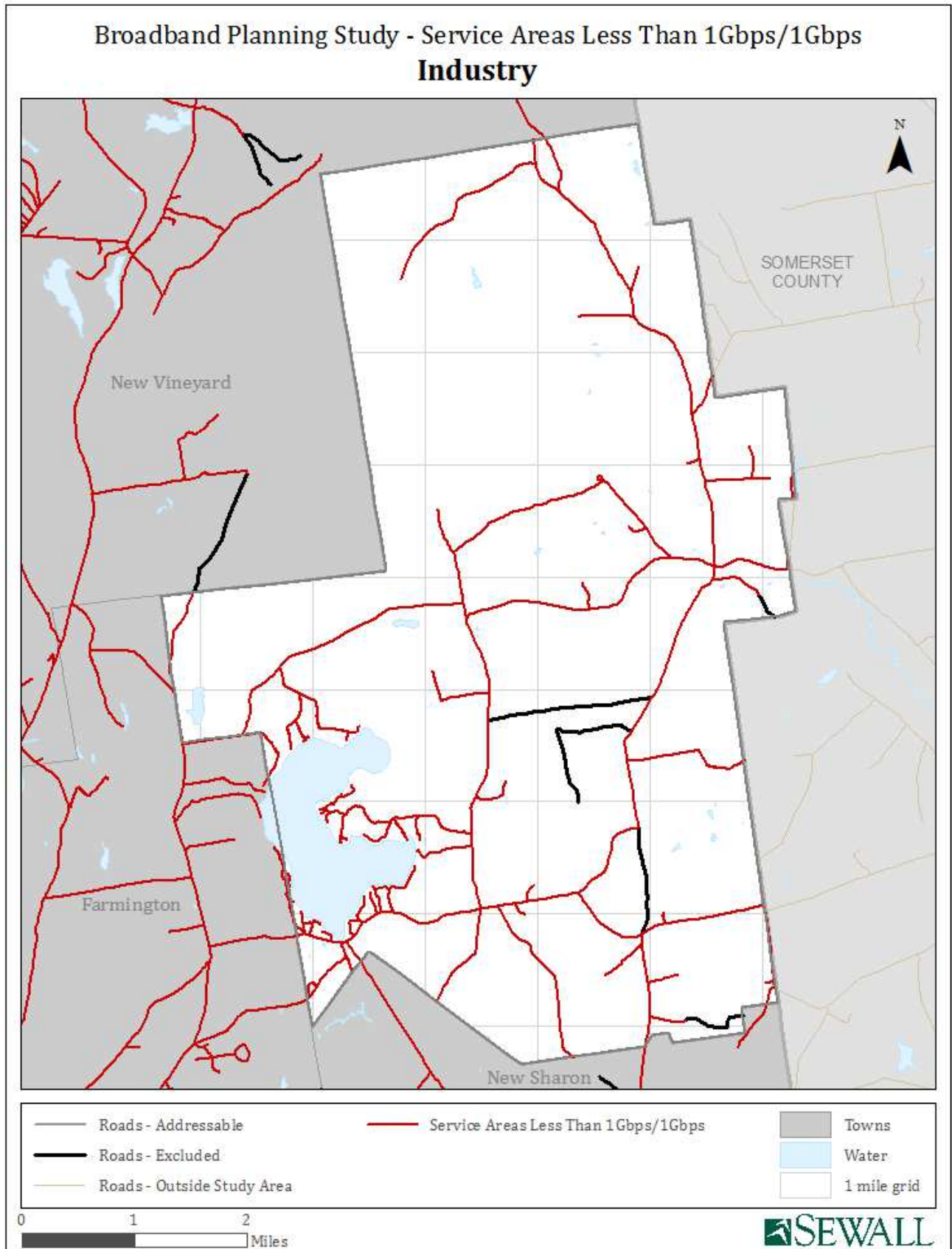
Industry CAF-II Map 3



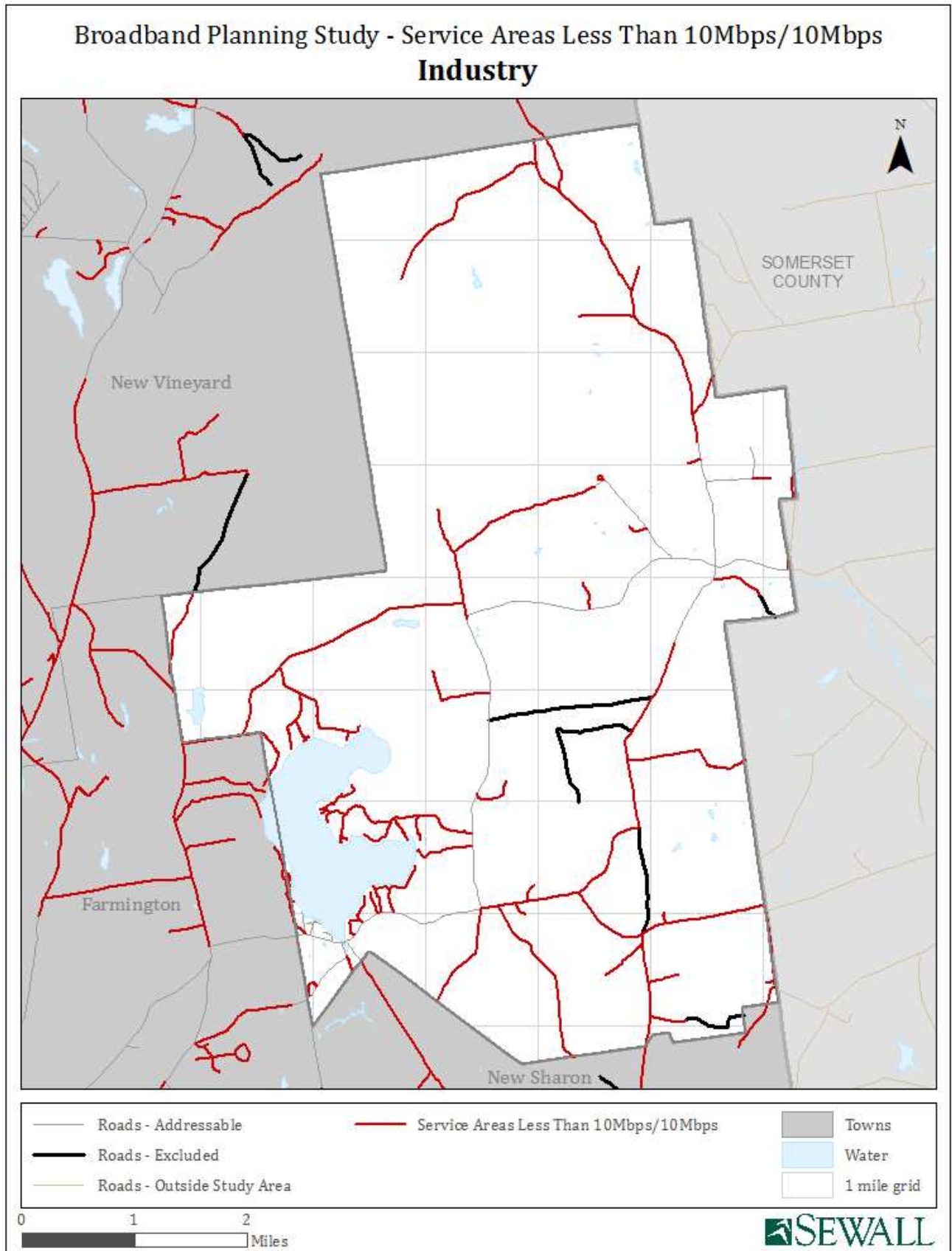
Industry Hybrid Fiber/Coax Infrastructure Map 5



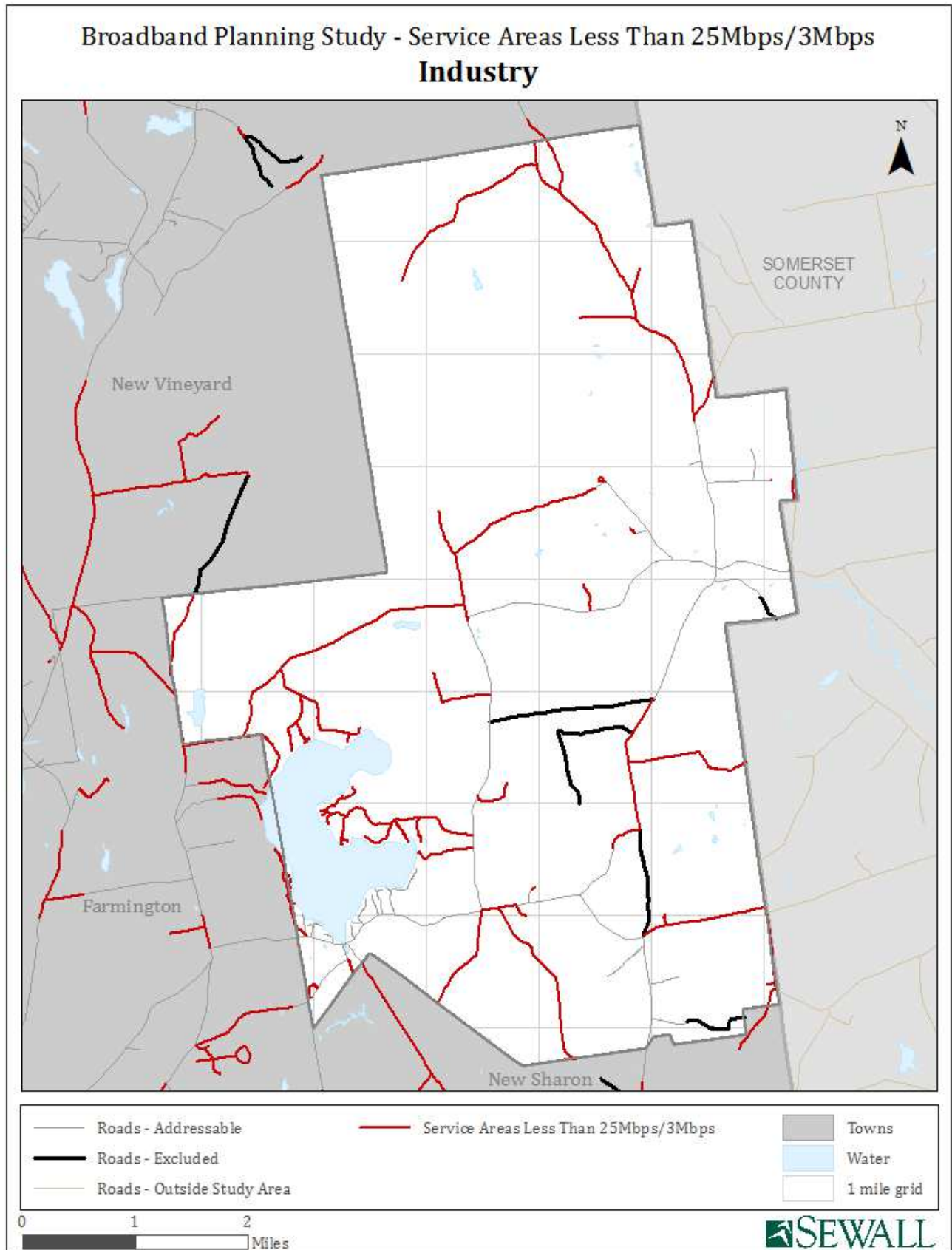
Industry Service Areas less than 1 Gbps/1 Gbps Map 6



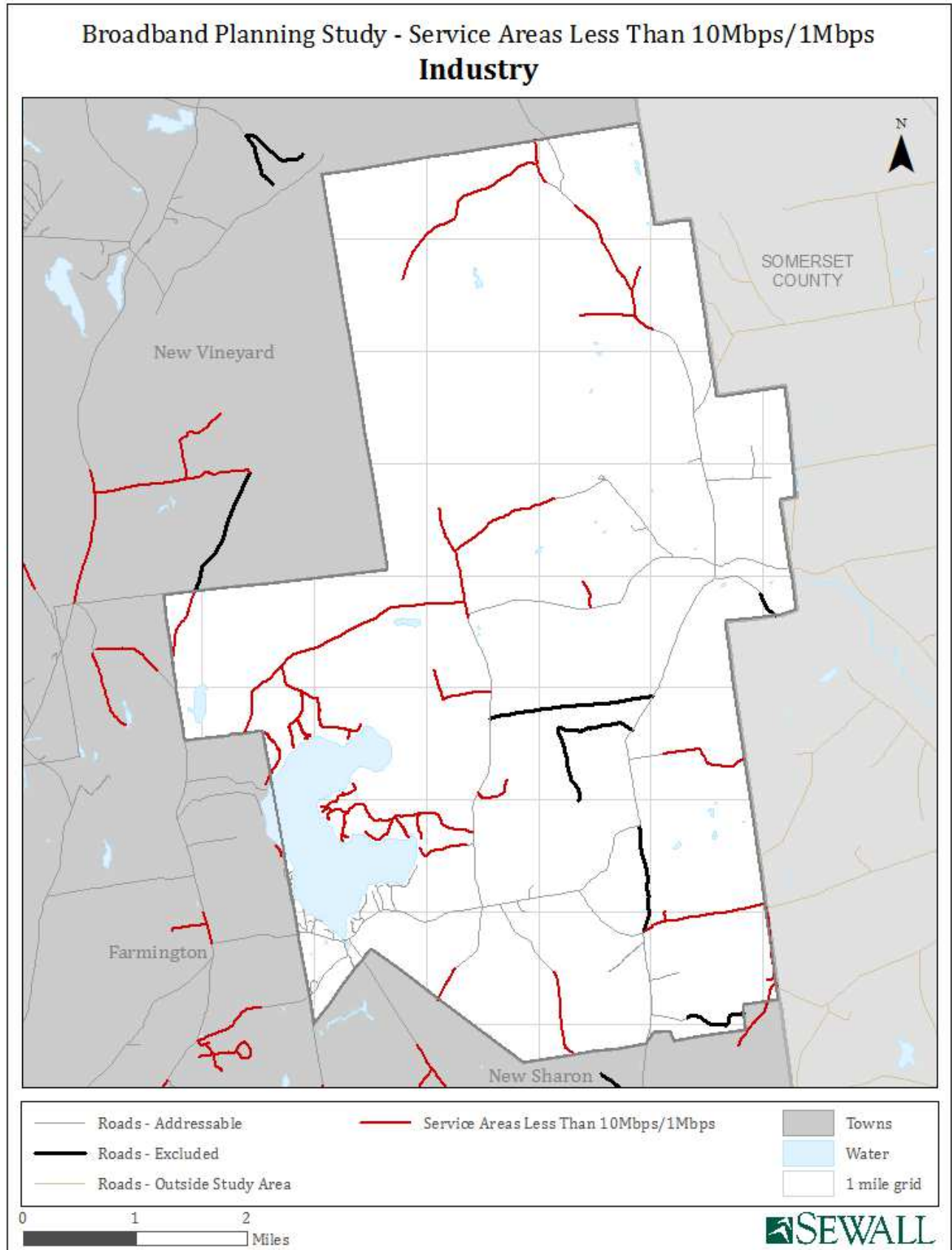
Industry Service Areas less than 10 Mbps/10 Mbps Map 7



Industry Service Areas less than 25 Mbps/3 Mbps Map 8

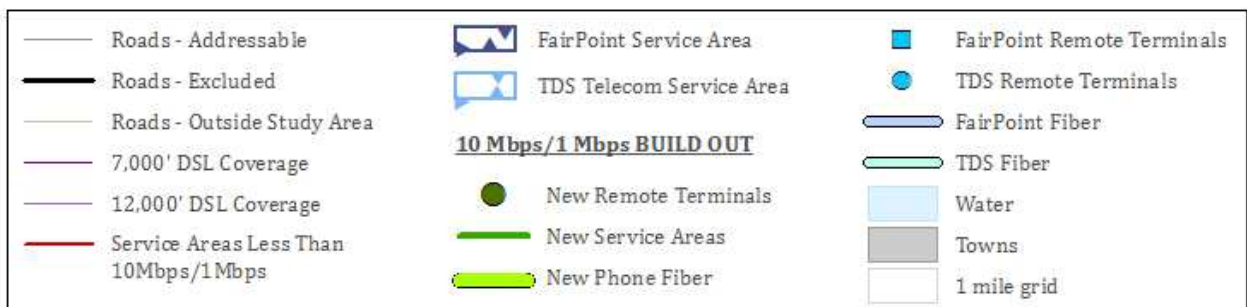
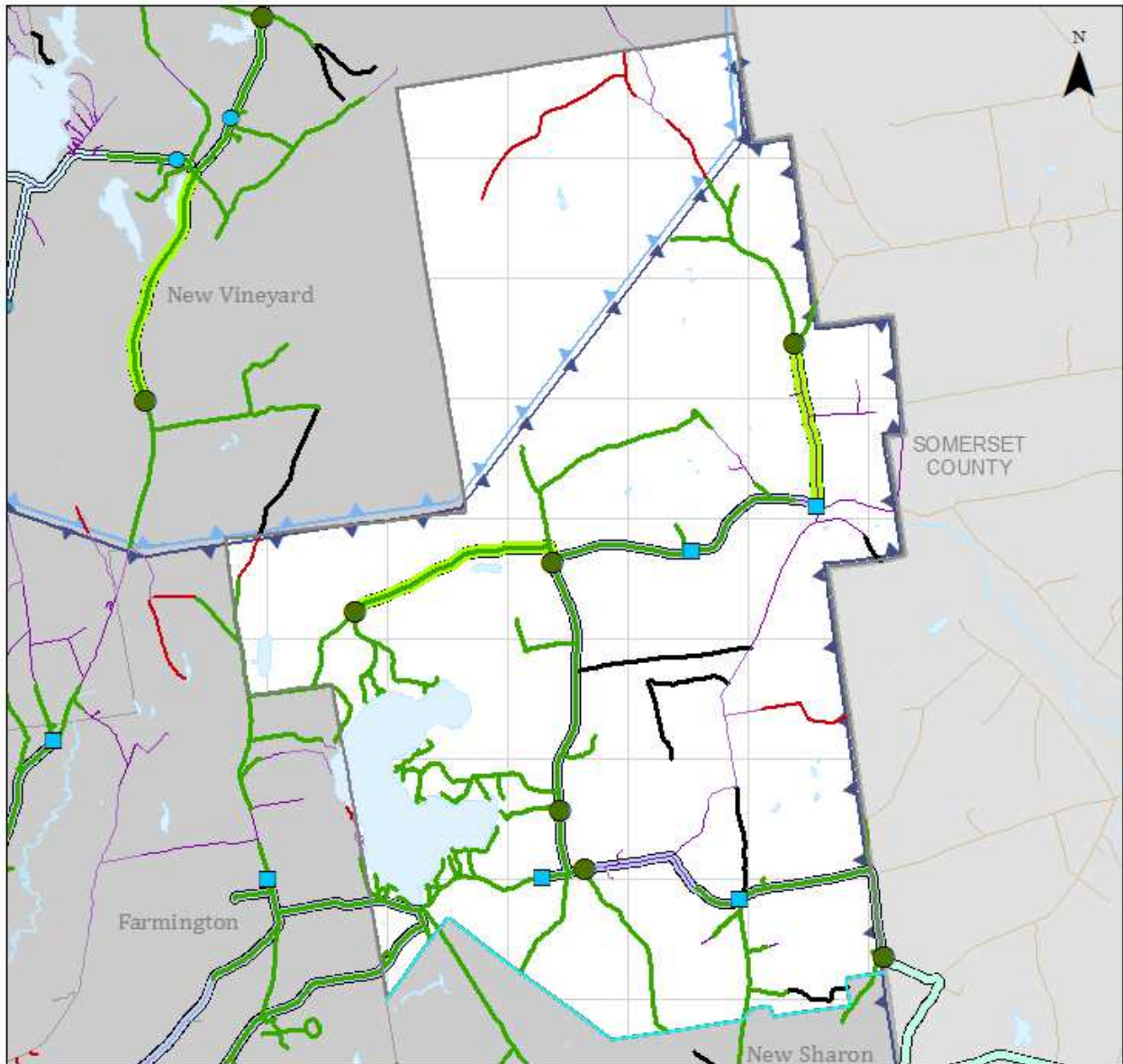


Industry Service Areas less than 10 Mbps/1 Mbps Map 9



Industry Design for Universal Minimum 10 Mbps/1 Mbps Map 10

Broadband Planning Study - Design for Universal Minimum 10Mbps/1Mbps Industry

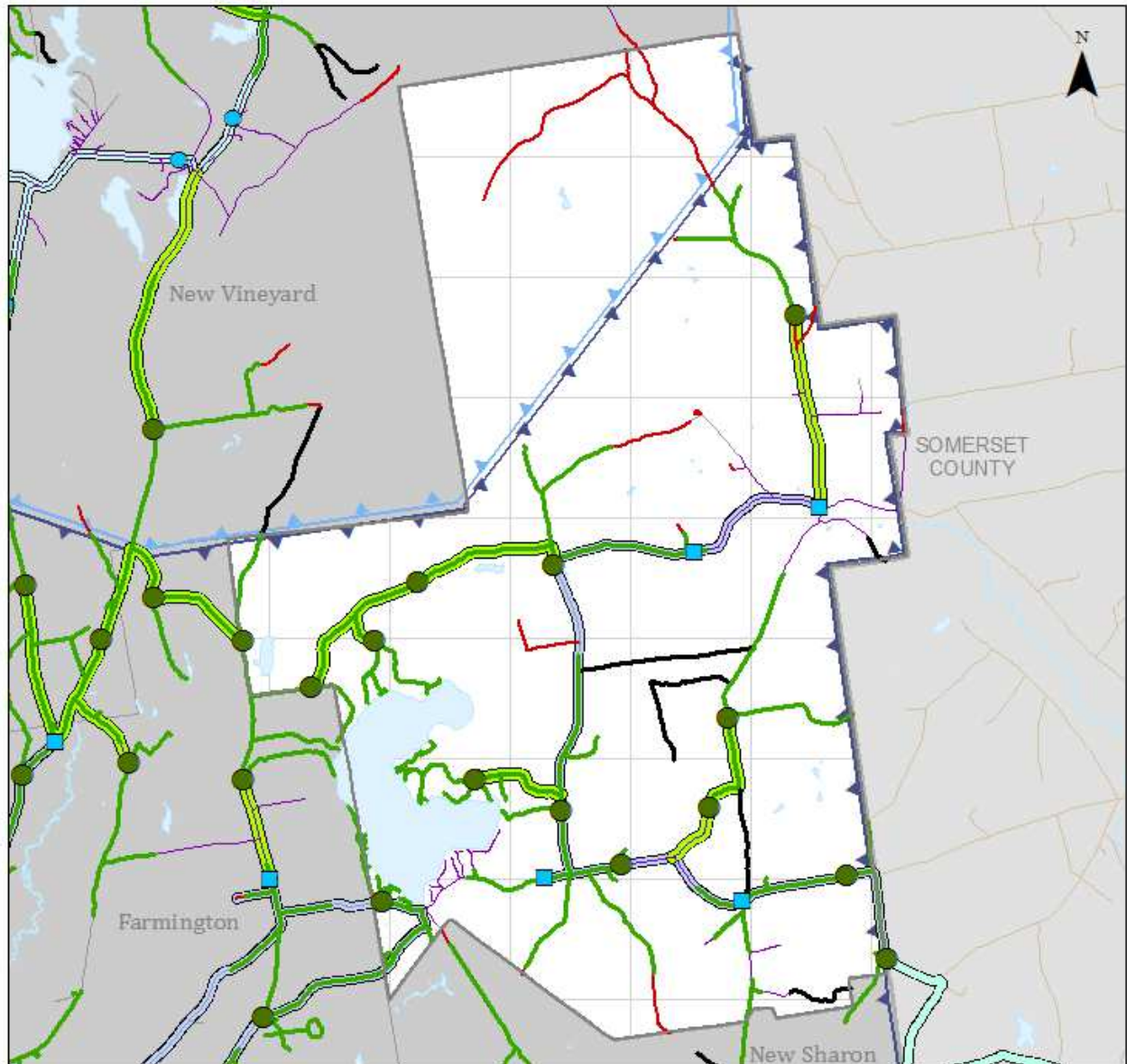


0 1 2
Miles

SEWALL

Industry Design for Universal Minimum 25 Mbps/3 Mbps Map 11

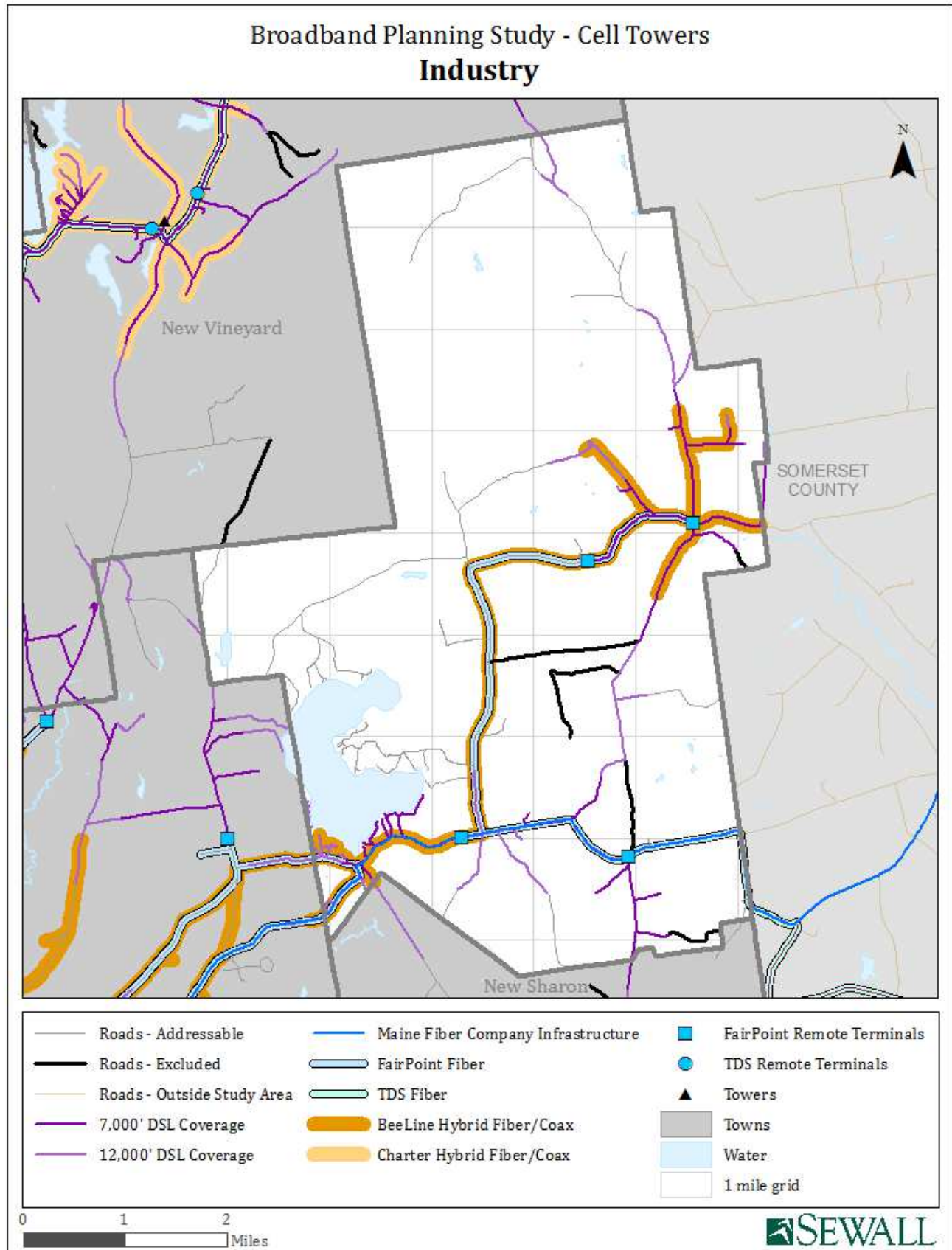
Broadband Planning Study - Design for Universal Minimum 25Mbps/3Mbps Industry



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Industry Cell Towers Map 12



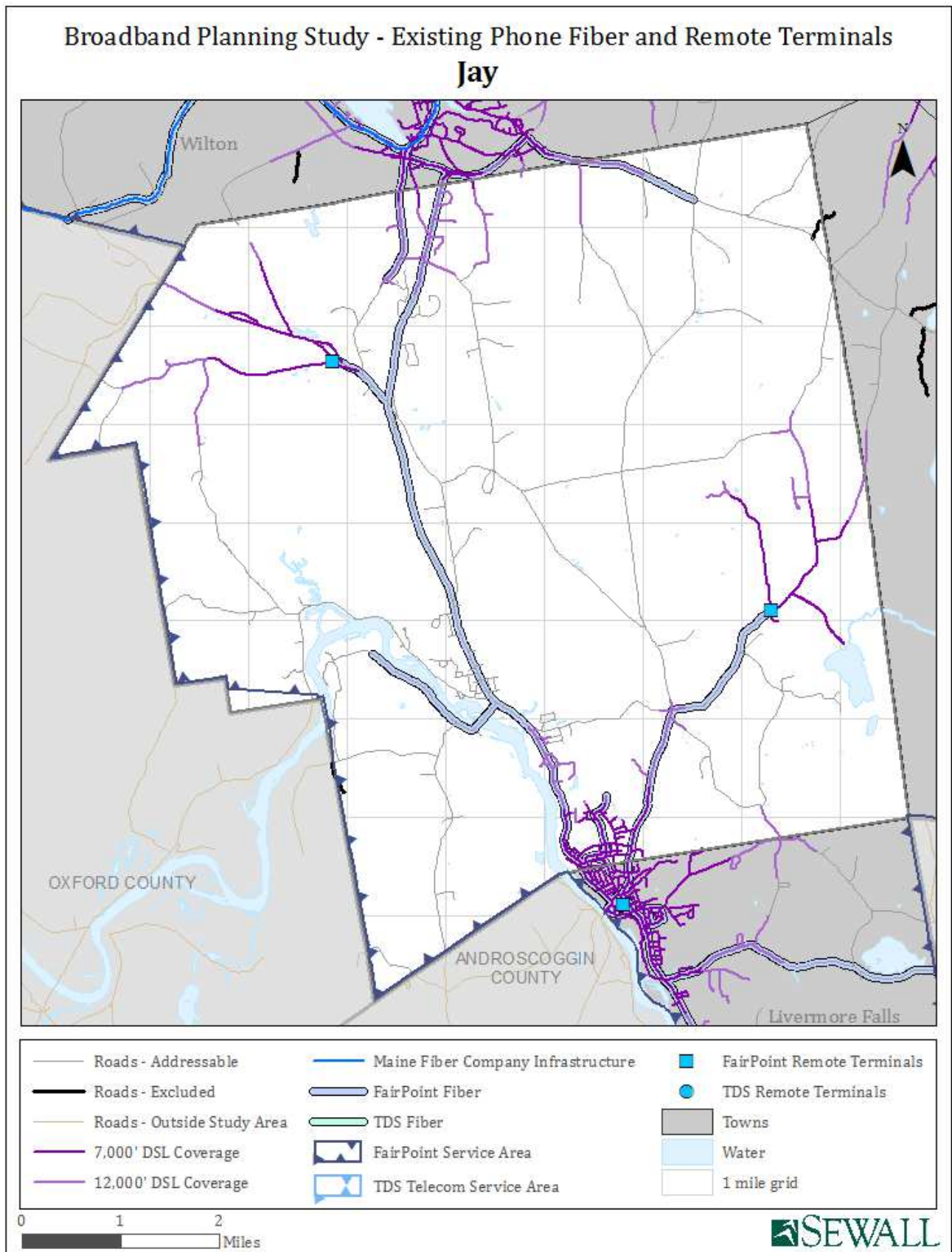
C-16 Jay

Special Considerations

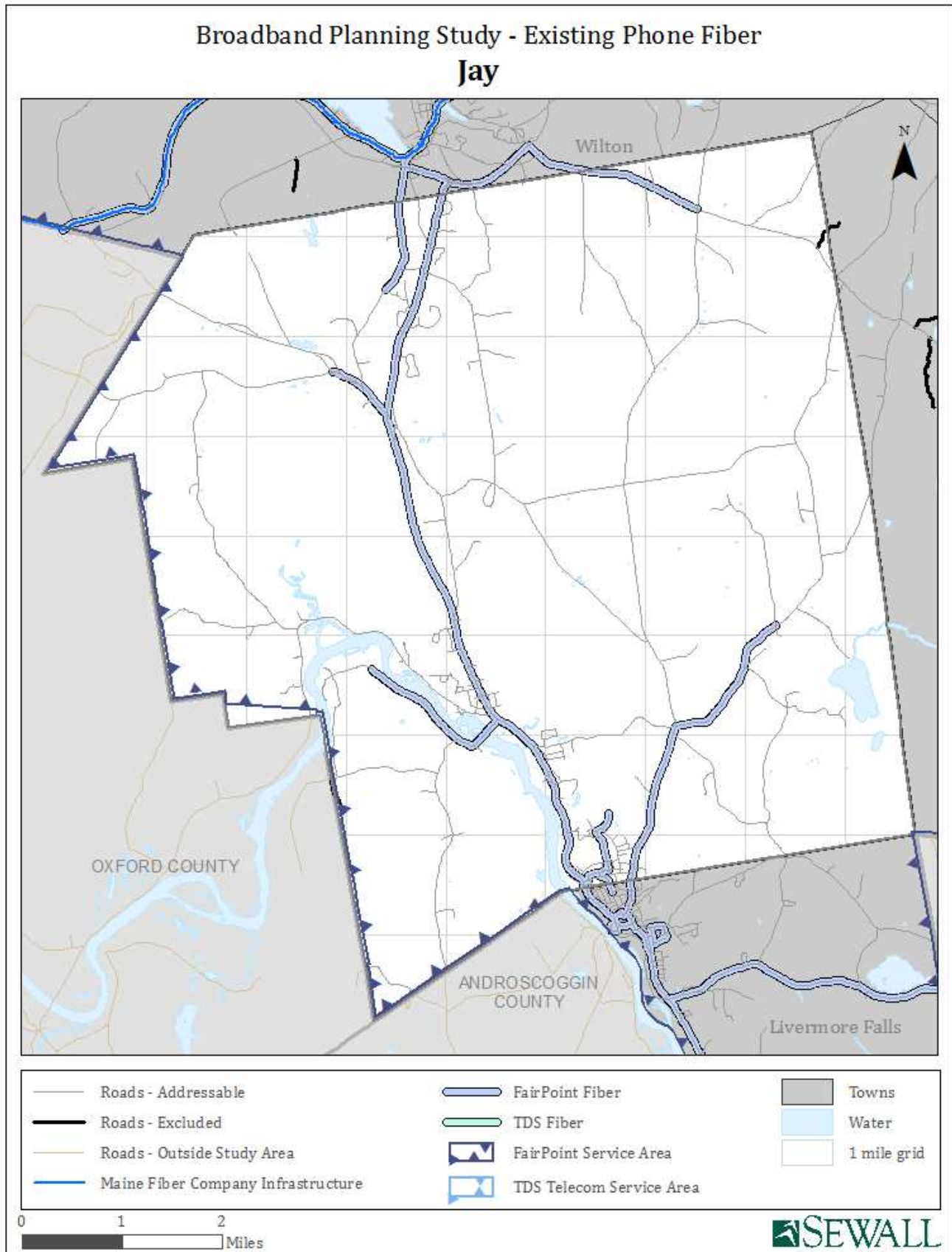
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Jay				
Statistical Data	Cost	Unit	Jay	Study Area Totals
911 Addresses			2,568	22,824
Total Road Mileage			101.6	1,637
Phone Fiber Mileage			16.6	336
Hybrid Fiber/Coax Mileage			87	451
1G/1G FTTP Gap Miles	\$40,000	mile	101.0	1,363
1G/1G FTTP 911 Addresses	\$ 700	sub	2,543	22,500
<i>Potential Subscribers per mile</i>			25	17
Total Cost			\$5,819,775	\$70,258,775
<i>Per Potential Subscriber</i>			\$2,289	\$3,123
<i>Per Mile</i>			\$57,626	\$51,558
10M/10M Gap Miles	\$35,000	mile	13.9	910
10M/10M Gap 911 Addresses	\$ 350	sub	149	8,351
<i>Potential Subscribers per mile</i>			11	9
Total Cost			\$537,969	\$34,776,219
<i>Per Potential Subscriber</i>			\$3,611	\$4,164
<i>Per Mile</i>			\$38,757	\$38,212
Potential private investment			\$288,740	\$15,955,247
Potential public subsidy			\$249,229	\$18,820,972
25M/3M Gap Miles			11.6	650
25M/3M Gap 911 Addresses			122	4,931
25M/3M New RT Quantity	\$25,000		11	270
25M/3M New Fiber Miles	\$25,000		7.6	182
<i>Potential Subscribers per mile</i>			11	8
Total Cost			\$464,799	\$11,305,524
<i>Per Potential Subscriber</i>			\$3,810	\$2,293
Potential private investment			\$244,912	\$4,286,572
Potential public subsidy			\$219,886	\$7,018,952
10M/1M Gap Miles			10.5	407
10M/1M Gap 911 Addresses			113	2,925
10M/1M New RT Quantity	\$25,000		6	93
10M/1M New Fiber Miles	\$25,000		3.5	74
<i>Potential Subscribers per mile</i>			11	7
Total Cost			\$236,526	\$4,167,973
<i>Per Potential Subscriber</i>			\$2,093	\$1,425
Potential private investment			\$127,006	\$1,497,587
Potential public subsidy			\$109,520	\$2,670,386
CAF-II Funded Locations			-	2,429
A-CAM Funded Locations			-	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$228,870	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$66,655	\$899,395
Insurance	\$183	mile	\$18,528	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$20,198	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$31,788	\$281,250
Administration	\$30	sub	\$38,145	\$337,500
Total Operating Expense			\$175,313	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			\$53,557	(\$15,689)

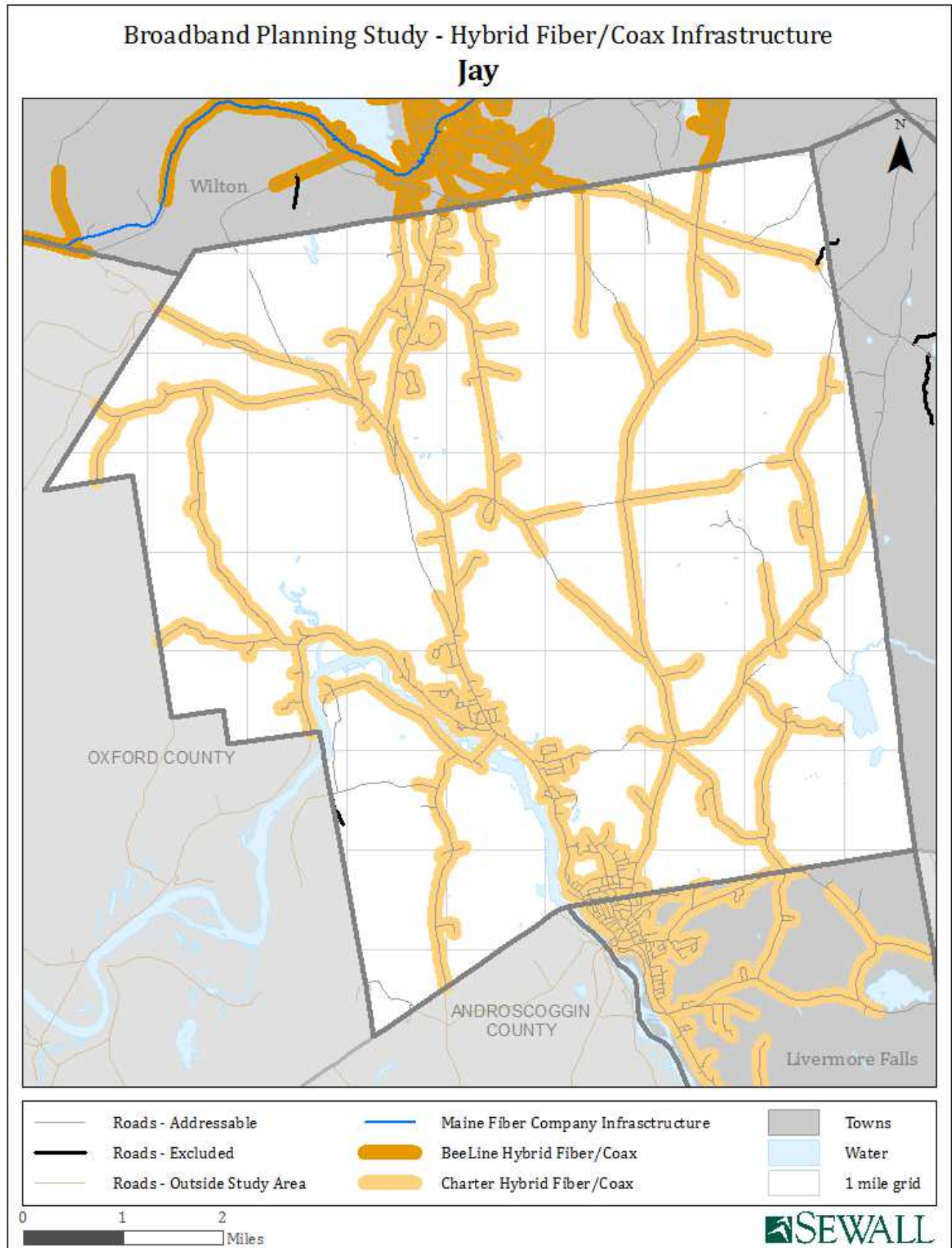
Jay Existing Phone Fiber & Remote Terminals Map 1



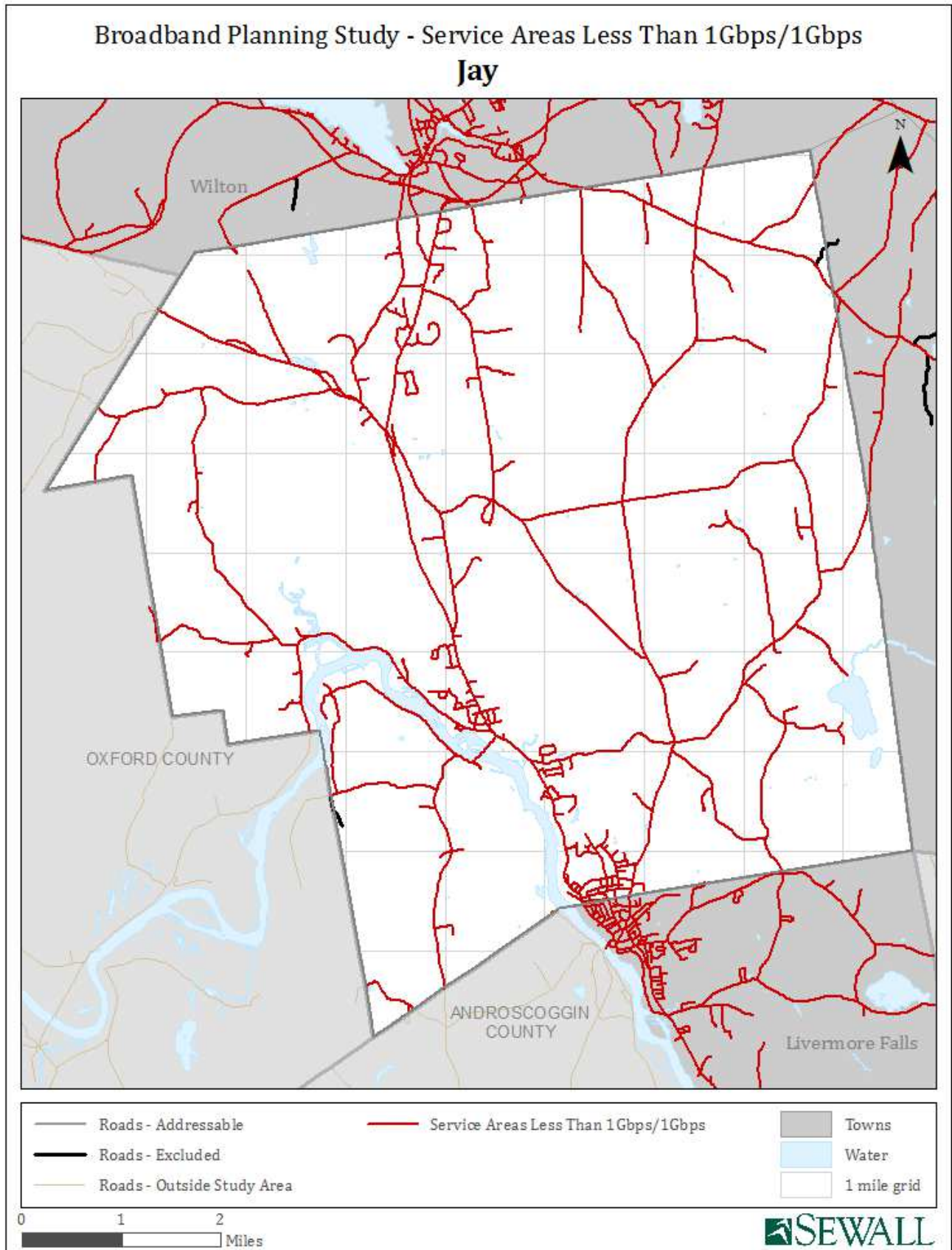
Jay Existing Phone Fiber Map 2



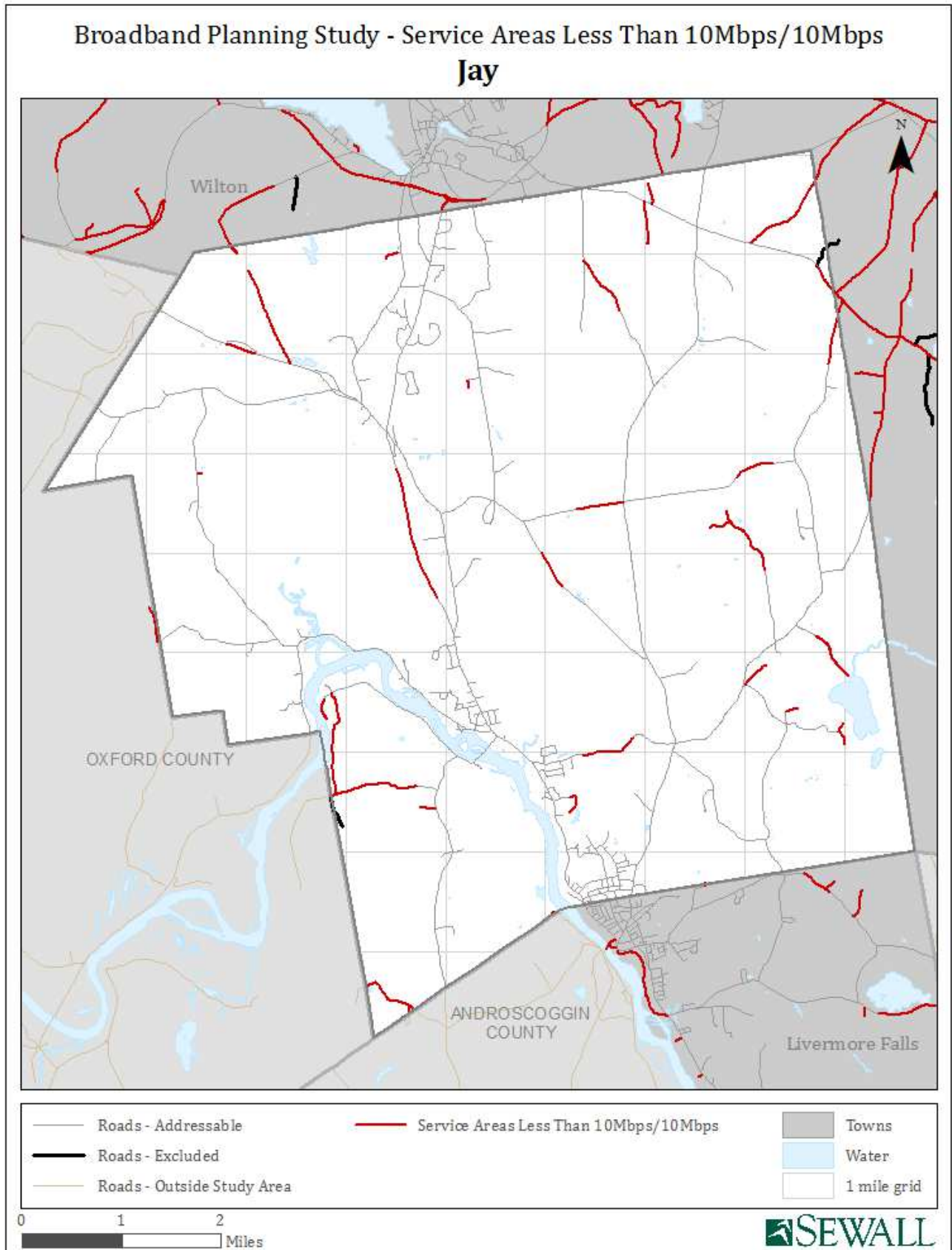
Jay Hybrid Fiber/Coax Infrastructure Map 5



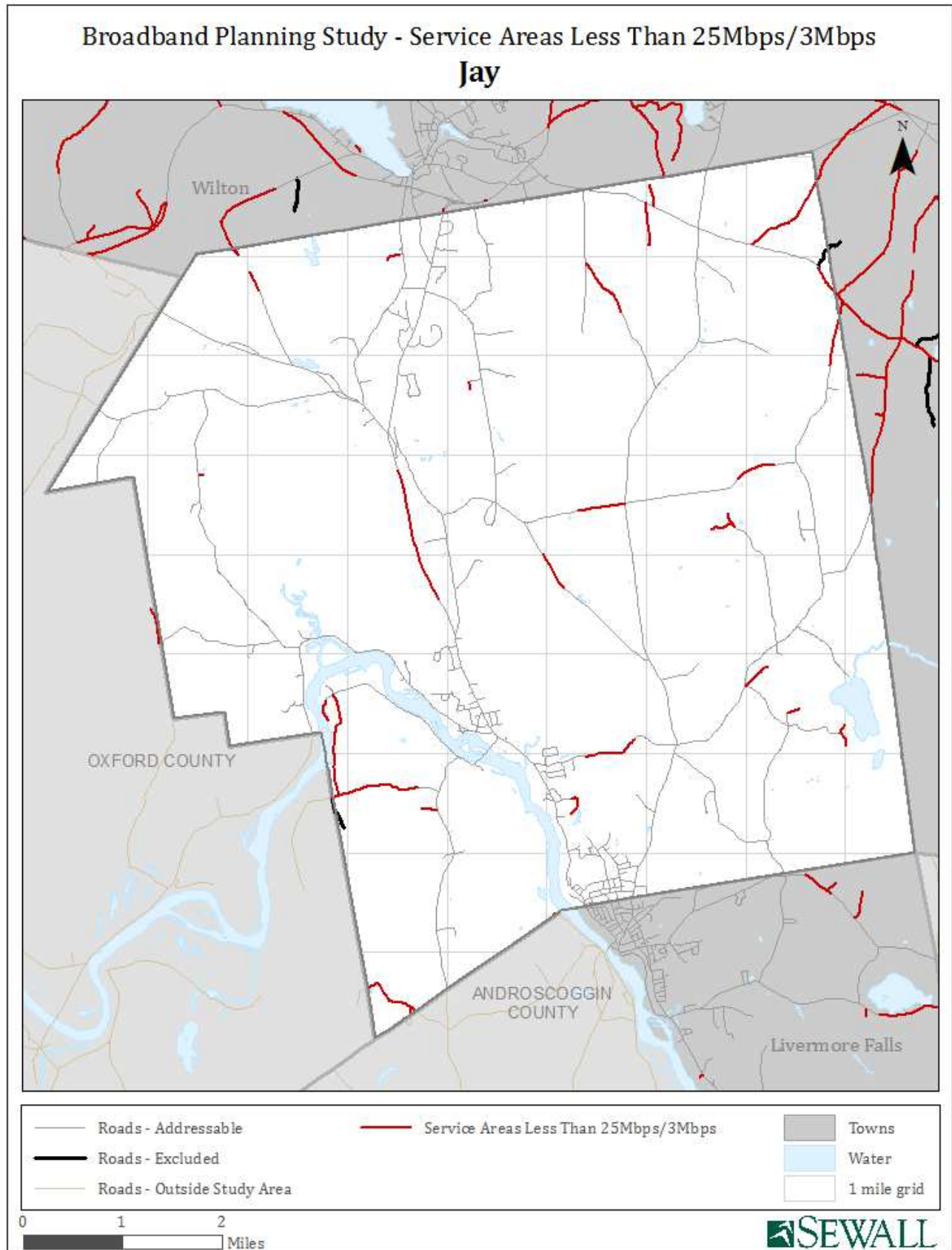
Jay Service Areas less than 1 Gbps/1 Gbps Map 6



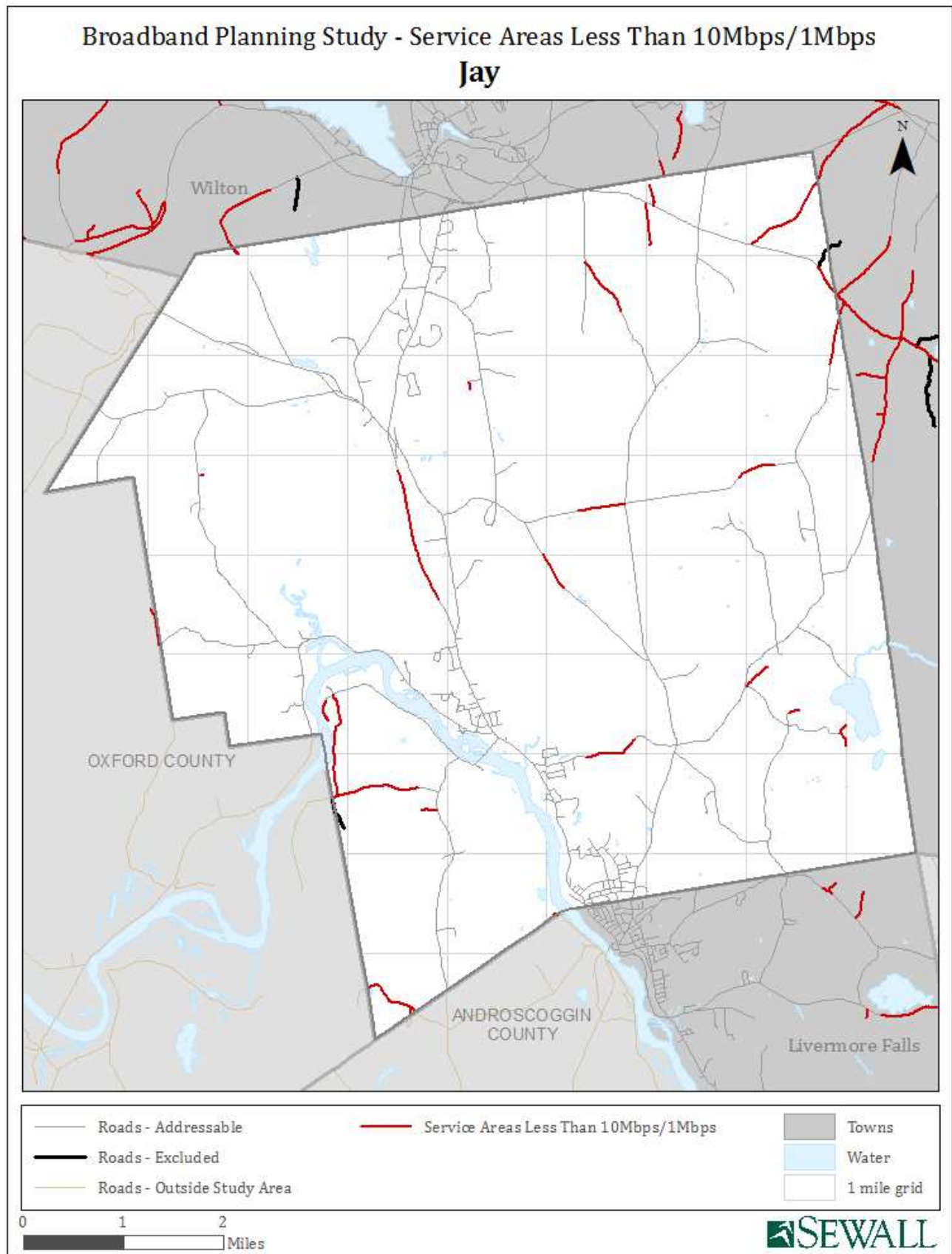
Jay Service Areas less than 10 Mbps/10 Mbps Map 7



Jay Service Areas less than 25 Mbps/3 Mbps Map 8

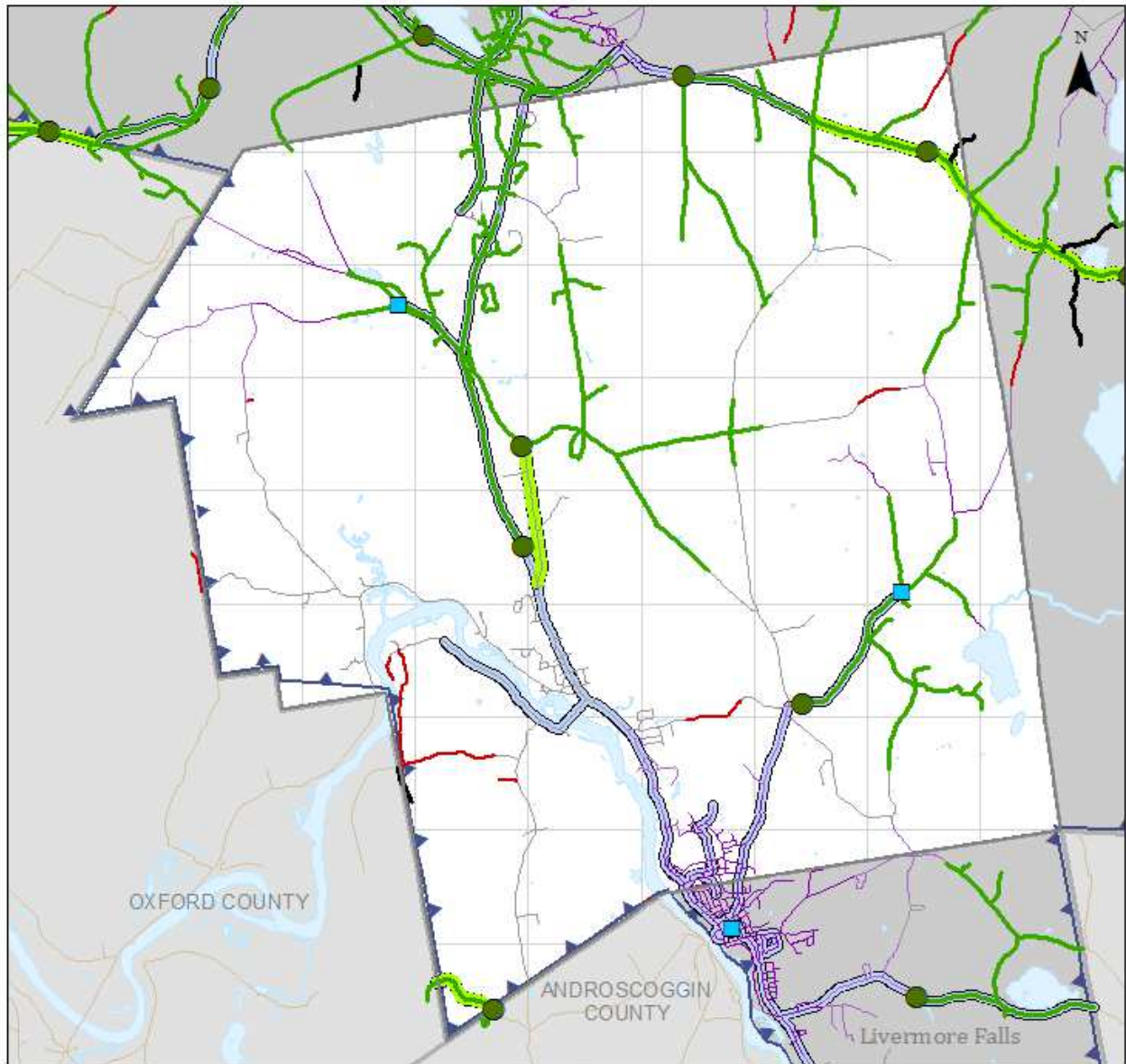


Jay Service Areas less than 10 Mbps/1 Mbps Map 9



Jay Design for Universal Minimum 10 Mbps/1 Mbps Map 10

Broadband Planning Study - Design for Universal Minimum 10Mbps/1Mbps Jay



- Roads - Addressable
- Roads - Excluded
- Roads - Outside Study Area
- 7,000' DSL Coverage
- 12,000' DSL Coverage
- Service Areas Less Than 10Mbps/1Mbps

- FairPoint Service Area
- TDS Telecom Service Area
- 10 Mbps/1 Mbps BUILD OUT**
- New Remote Terminals
- New Service Areas
- New Phone Fiber

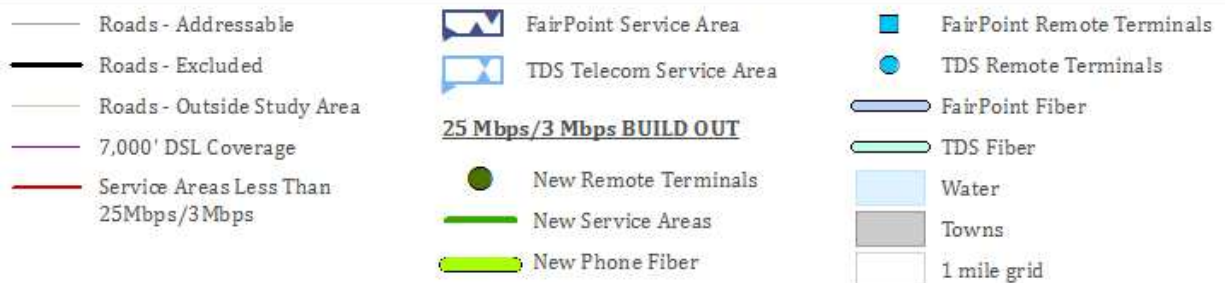
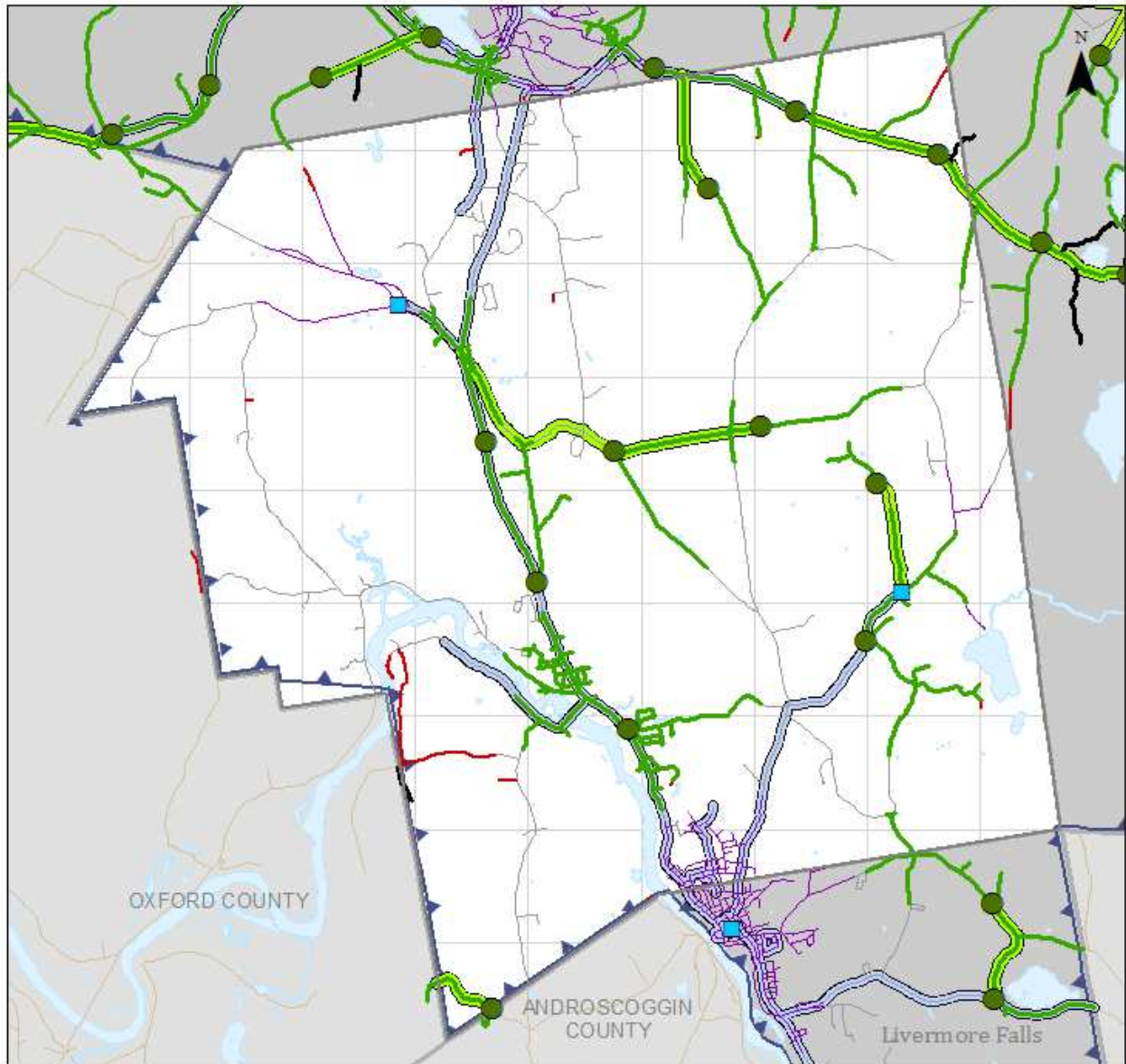
- FairPoint Remote Terminals
- TDS Remote Terminals
- FairPoint Fiber
- TDS Fiber
- Water
- Towns
- 1 mile grid

0 1 2
Miles

SEWALL

Jay Design for Universal Minimum 25 Mbps/3 Mbps Map 11

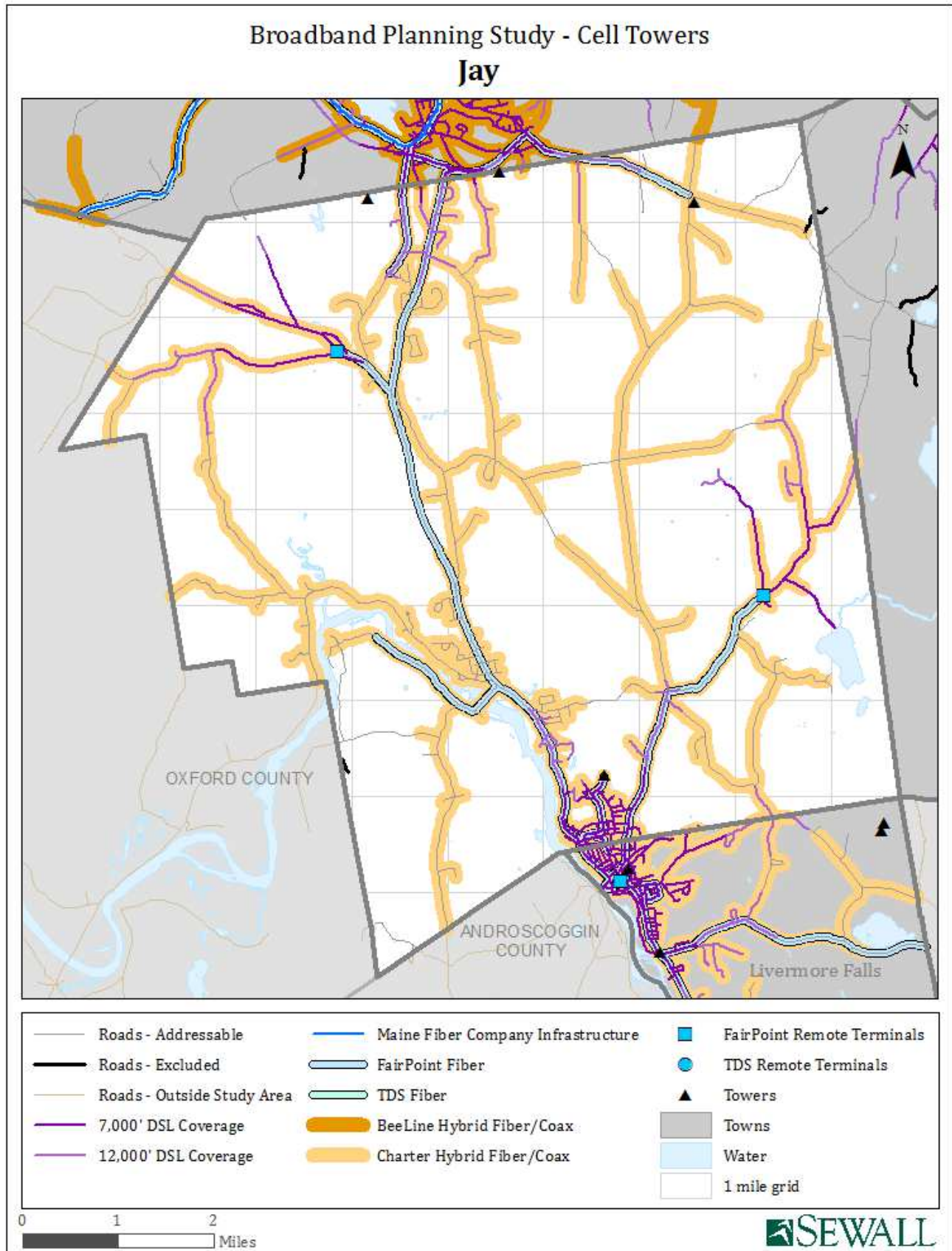
Broadband Planning Study - Design for Universal Minimum 25Mbps/3Mbps Jay



0 1 2
Miles

SEWALL

Jay Cell Towers Map 12



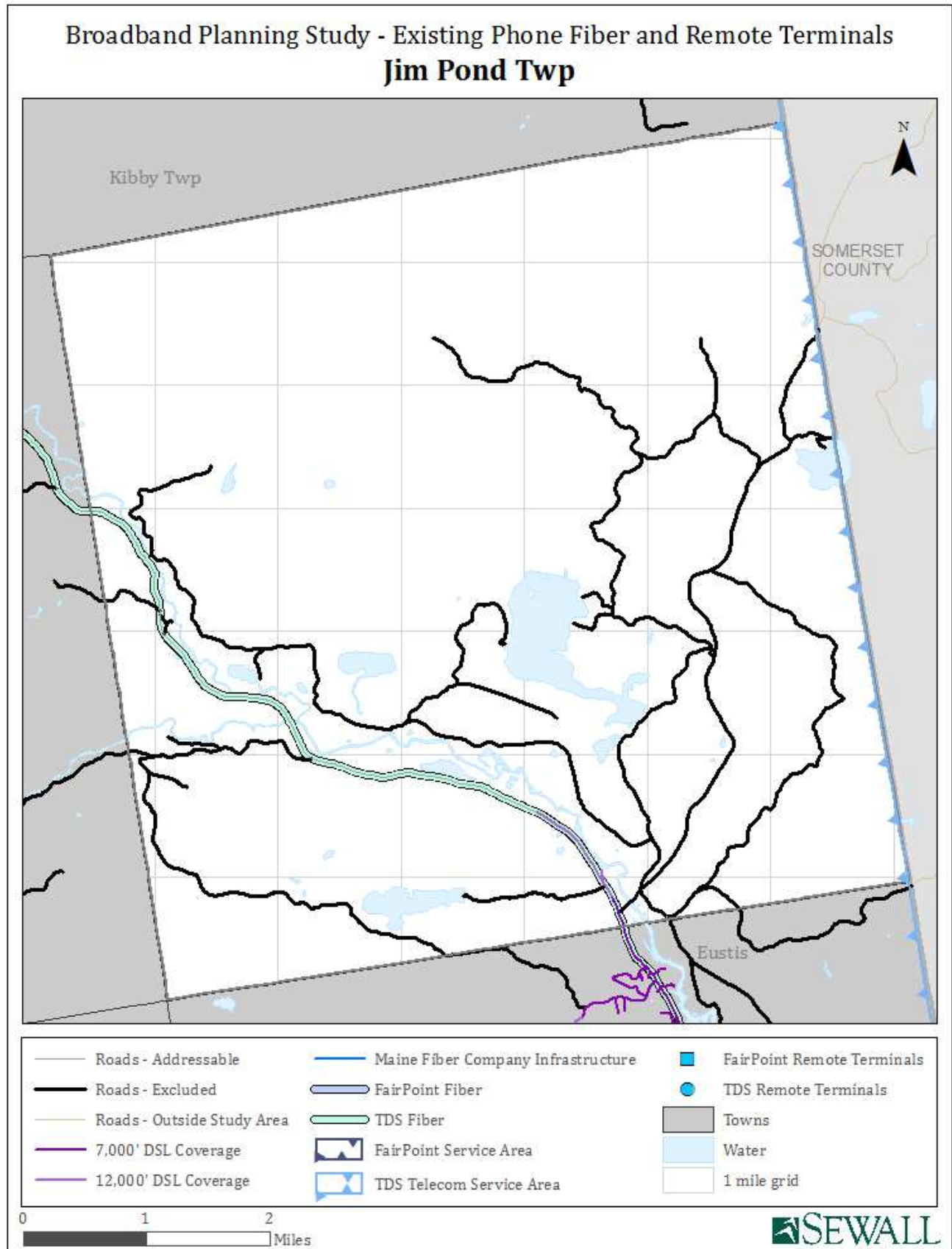
C-17 Jim Pond Twp

Special Considerations

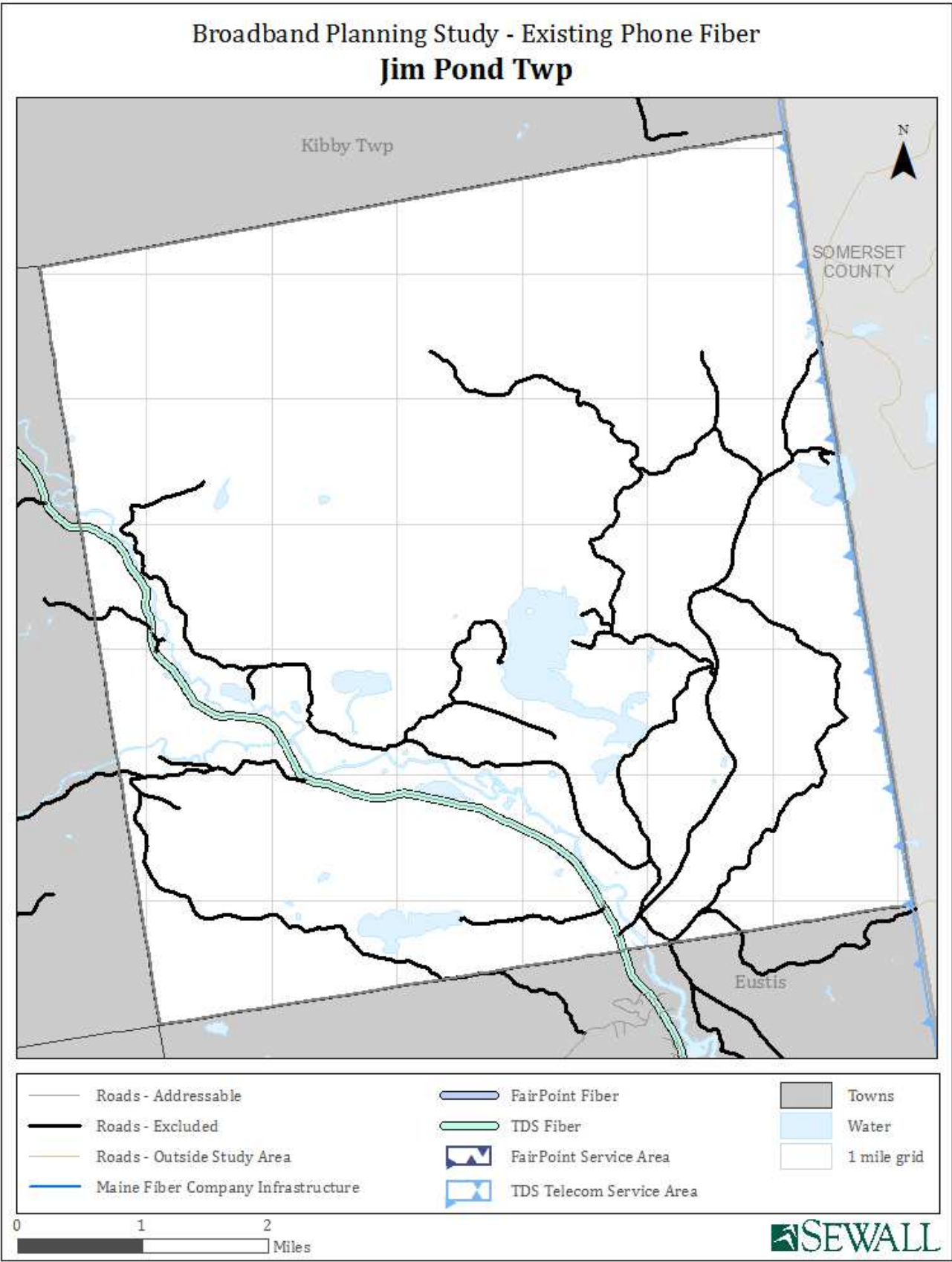
Deployment of broadband in Jim Pond Township is limited to Route 27 in this analysis and is required in order to provide service to Alder Stream Township and Chain of Ponds Township.

Jim Pond Township				
Statistical Data	Cost	Unit	Jim Pond Twp	Study Area Totals
911 Addresses			9	22,824
Total Road Mileage			46.7	1,637
Phone Fiber Mileage			6.1	336
Hybrid Fiber/Coax Mileage			-	451
1G/1G FTTP Gap Miles	\$40,000	mile	6.3	1,363
1G/1G FTTP 911 Addresses	\$ 700	sub	5	22,500
<i>Potential Subscribers per mile</i>			1	17
Total Cost			\$253,709	\$70,258,775
<i>Per Potential Subscriber</i>			<i>\$50,742</i>	<i>\$3,123</i>
<i>Per Mile</i>			<i>\$40,560</i>	<i>\$51,558</i>
10M/10M Gap Miles	\$35,000	mile	6.3	910
10M/10M Gap 911 Addresses	\$ 350	sub	5	8,351
<i>Potential Subscribers per mile</i>			1	9
Total Cost			\$220,683	\$34,776,219
<i>Per Potential Subscriber</i>			<i>\$44,137</i>	<i>\$4,164</i>
<i>Per Mile</i>			<i>\$35,280</i>	<i>\$38,212</i>
Potential private investment			\$8,820	\$15,955,247
Potential public subsidy			\$211,863	\$18,820,972
25M/3M Gap Miles			6.0	650
25M/3M Gap 911 Addresses			3	4,931
25M/3M New RT Quantity	\$25,000		1	270
25M/3M New Fiber Miles	\$25,000		-	182
<i>Potential Subscribers per mile</i>			1	8
Total Cost			\$25,000	\$11,305,524
<i>Per Potential Subscriber</i>			<i>\$8,333</i>	<i>\$2,293</i>
Potential private investment			\$626	\$4,286,572
Potential public subsidy			\$24,374	\$7,018,952
10M/1M Gap Miles			4.9	407
10M/1M Gap 911 Addresses			1	2,925
10M/1M New RT Quantity	\$25,000		-	93
10M/1M New Fiber Miles	\$25,000		-	74
<i>Potential Subscribers per mile</i>			0	7
Total Cost			\$0	\$4,167,973
<i>Per Potential Subscriber</i>			<i>\$0</i>	<i>\$1,425</i>
Potential private investment			\$0	\$1,497,587
Potential public subsidy			\$0	\$2,670,386
CAF-II Funded Locations			-	2,429
A-CAM Funded Locations			21	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$450	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$4,128	\$899,395
Insurance	\$183	mile	\$1,148	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$1,251	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$63	\$281,250
Administration	\$30	sub	\$75	\$337,500
Total Operating Expense			\$6,665	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			(\$6,215)	(\$15,689)

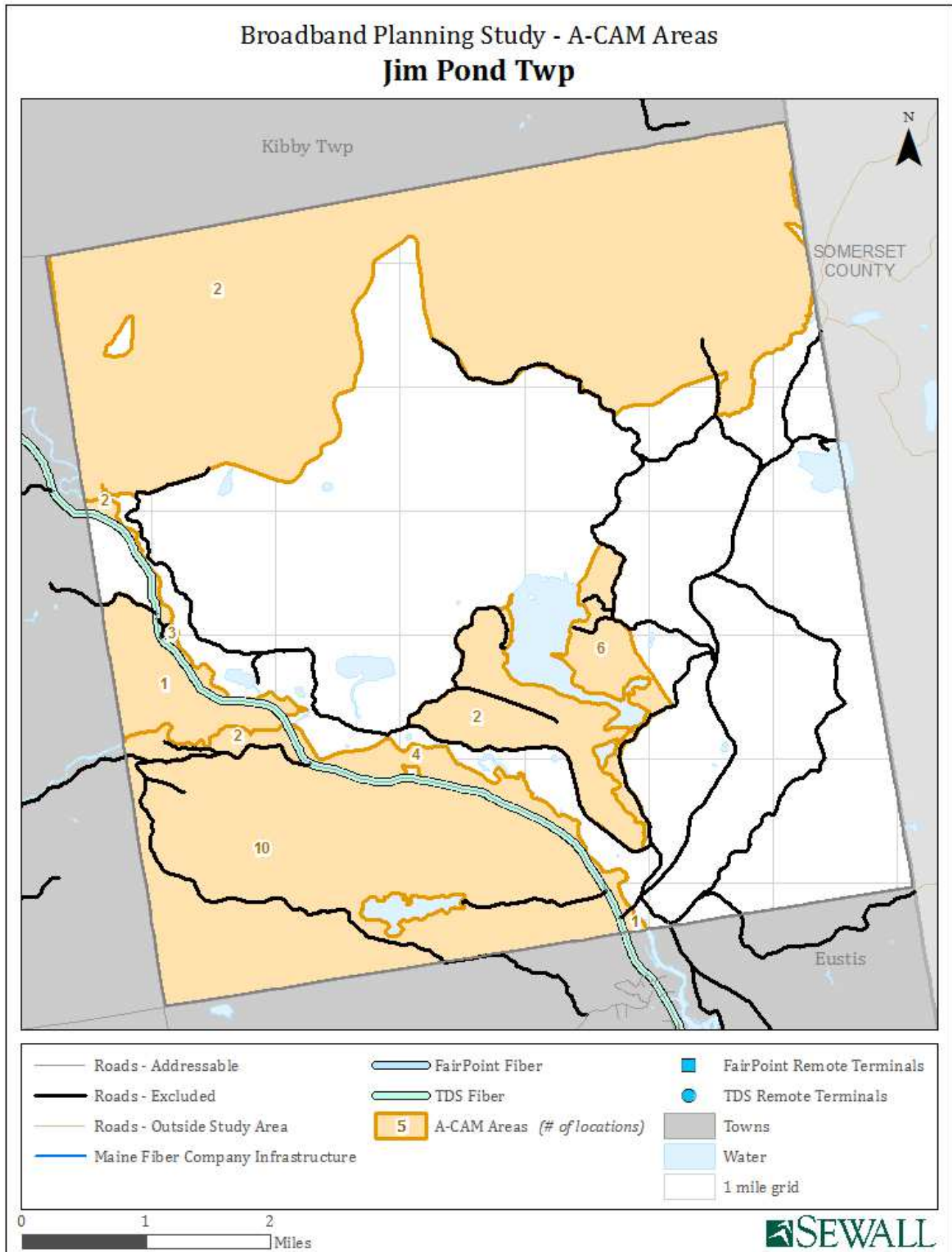
Jim Pond Twp Existing Phone Fiber & Remote Terminals Map 1



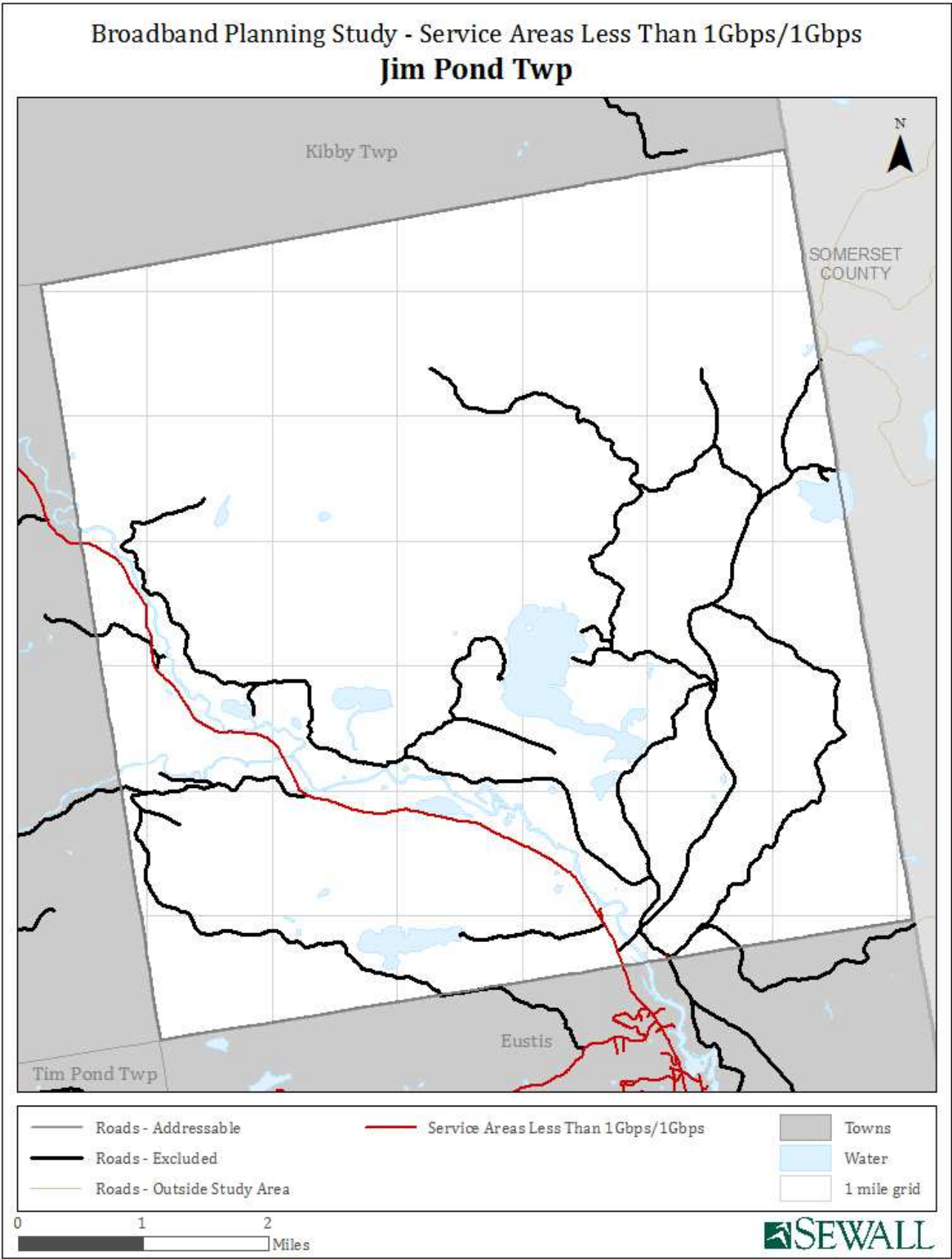
Jim Pond Twp Existing Phone Fiber Map 2



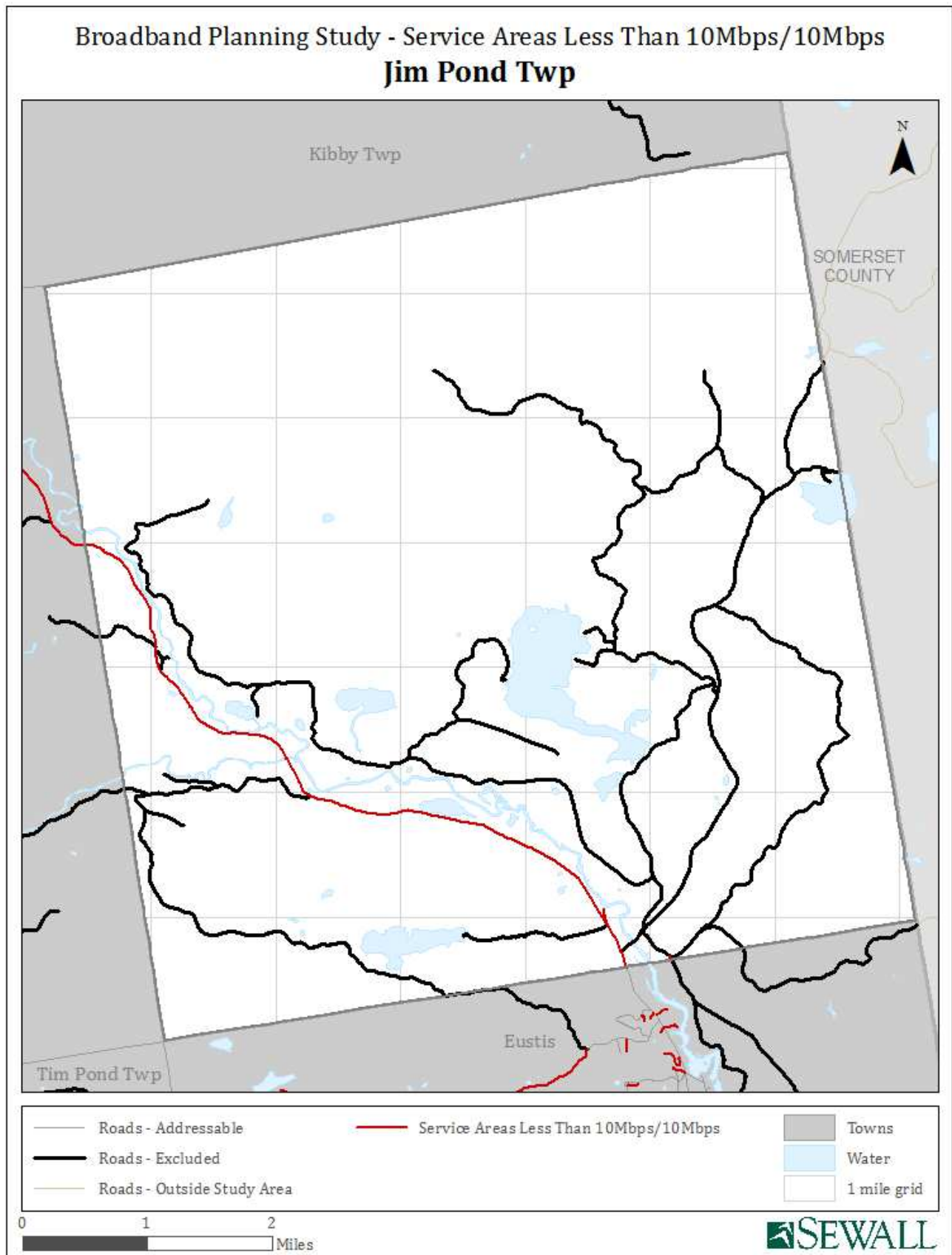
Jim Pond Twp A-CAM Map 4



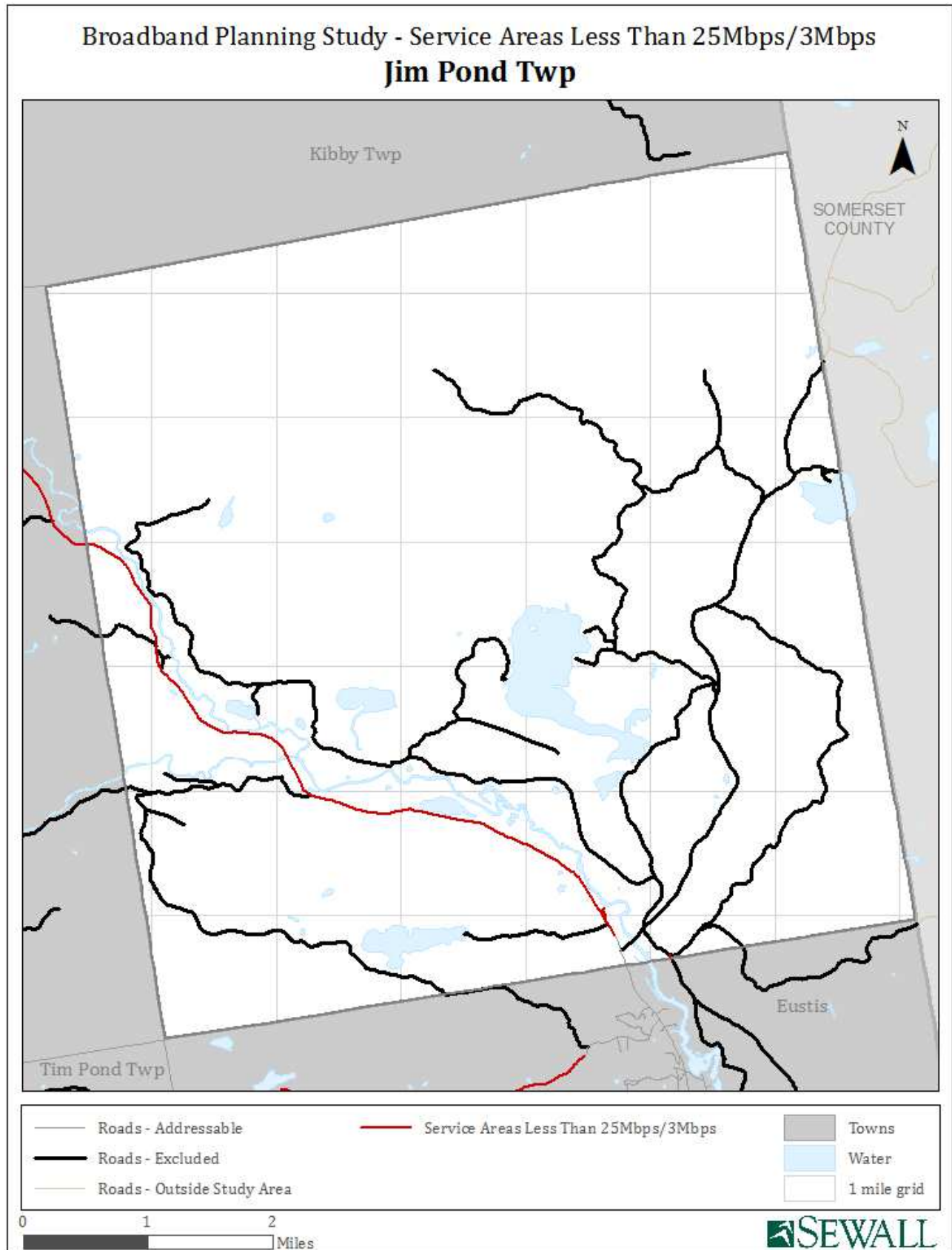
Jim Pond Twp Service Areas less than 1 Gbps/1 Gbps Map 6



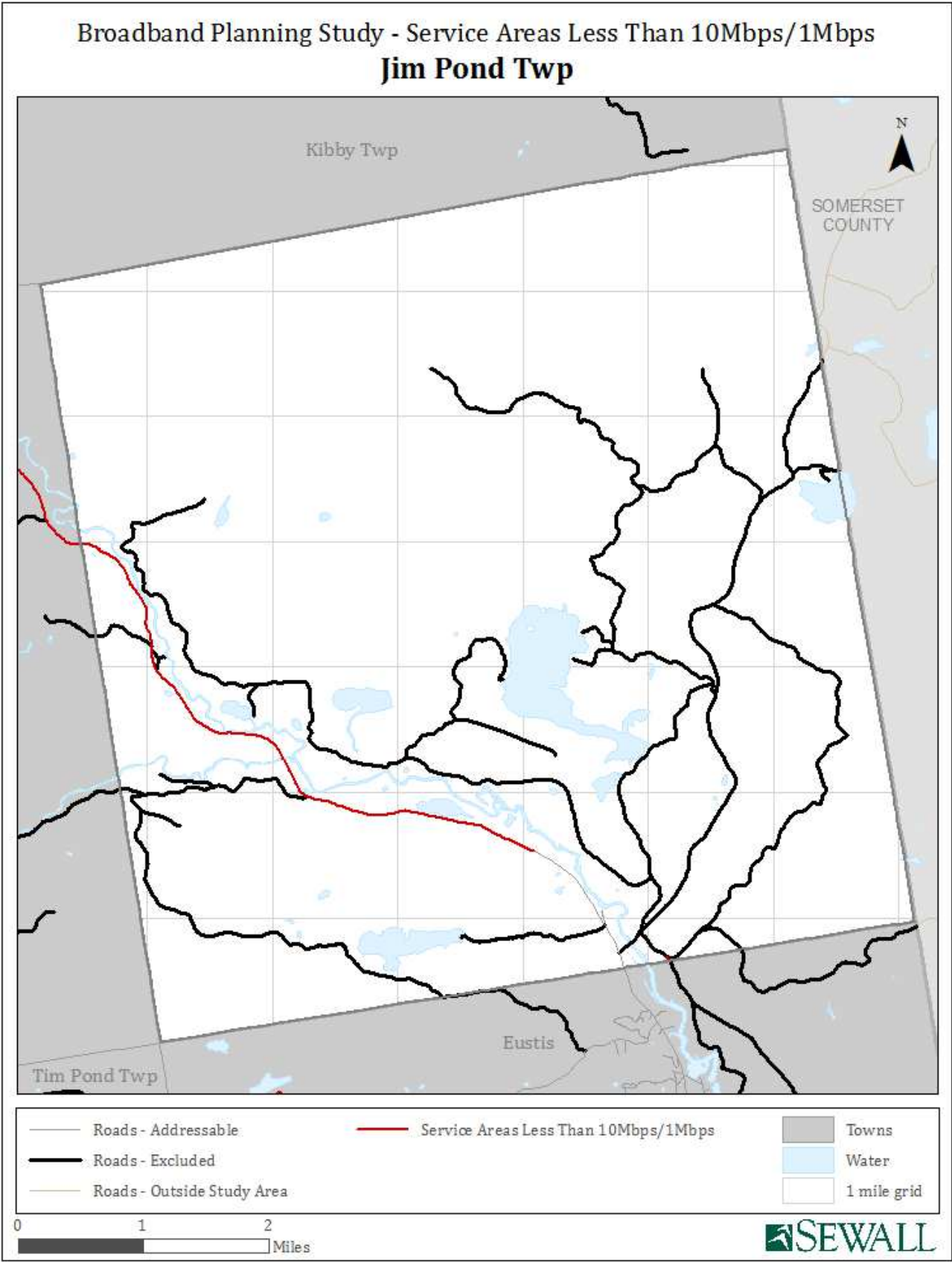
Jim Pond Twp Service Areas less than 10 Mbps/10 Mbps Map 7



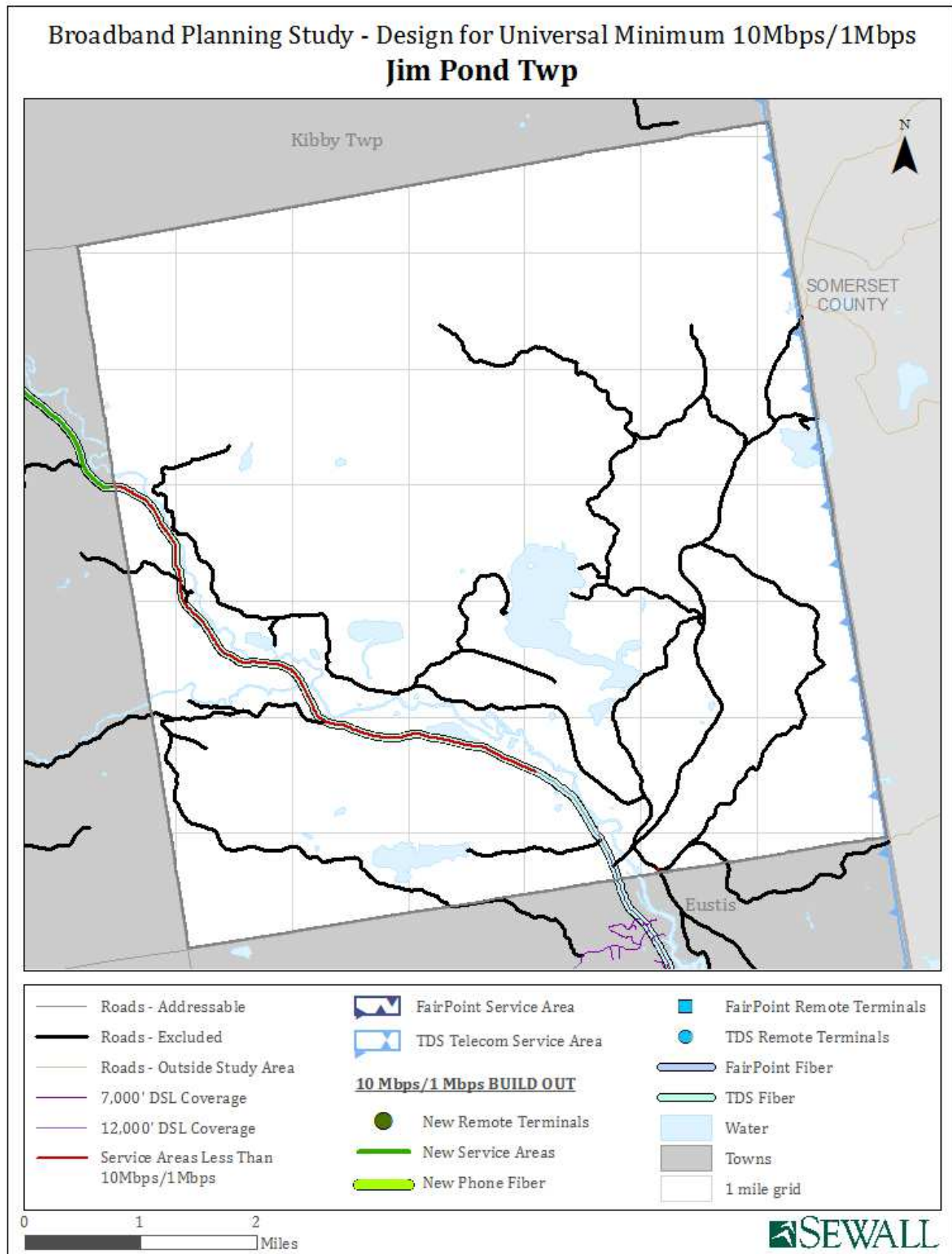
Jim Pond Twp Service Areas less than 25 Mbps/3 Mbps Map 8



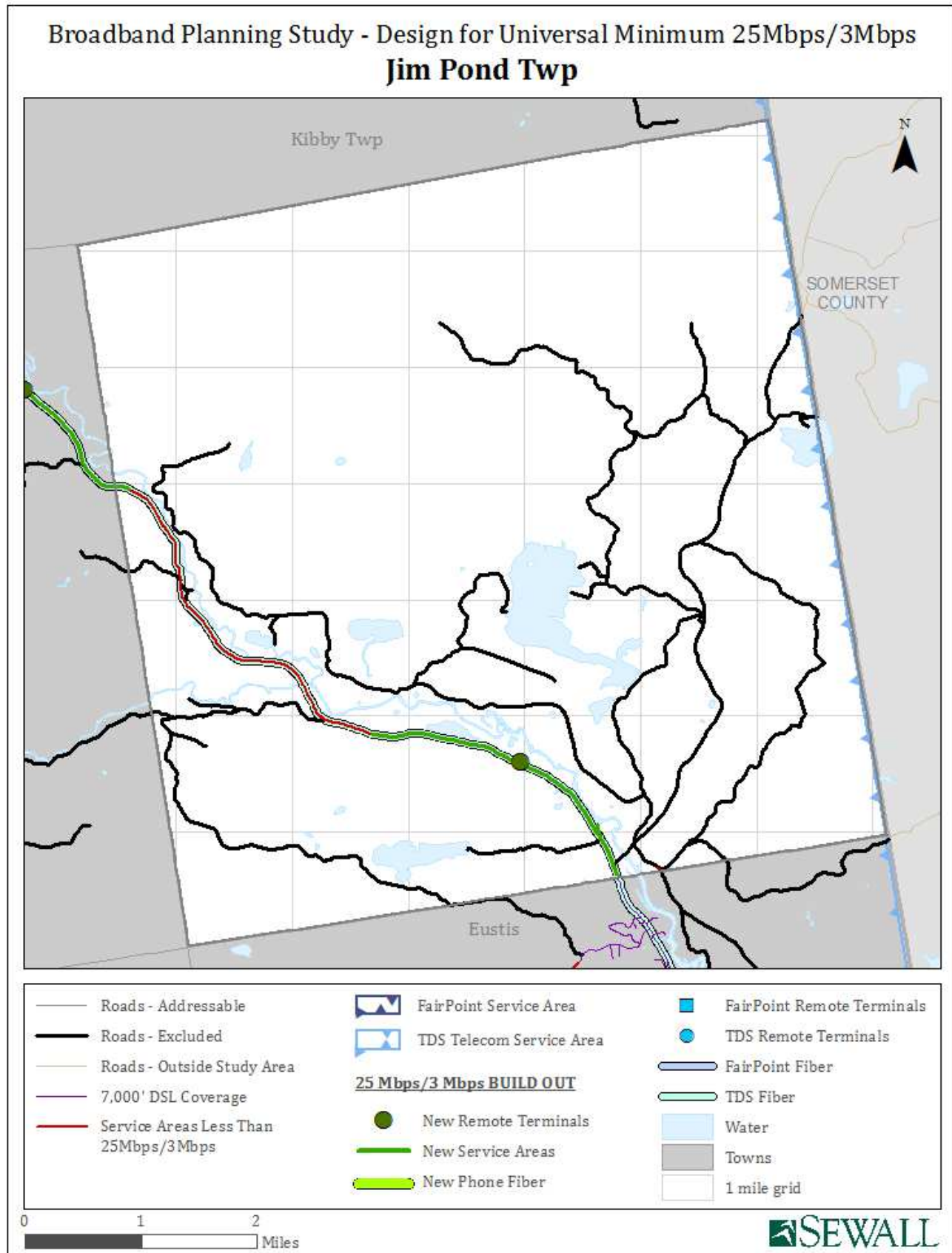
Jim Pond Twp Service Areas less than 10 Mbps/1 Mbps Map 9



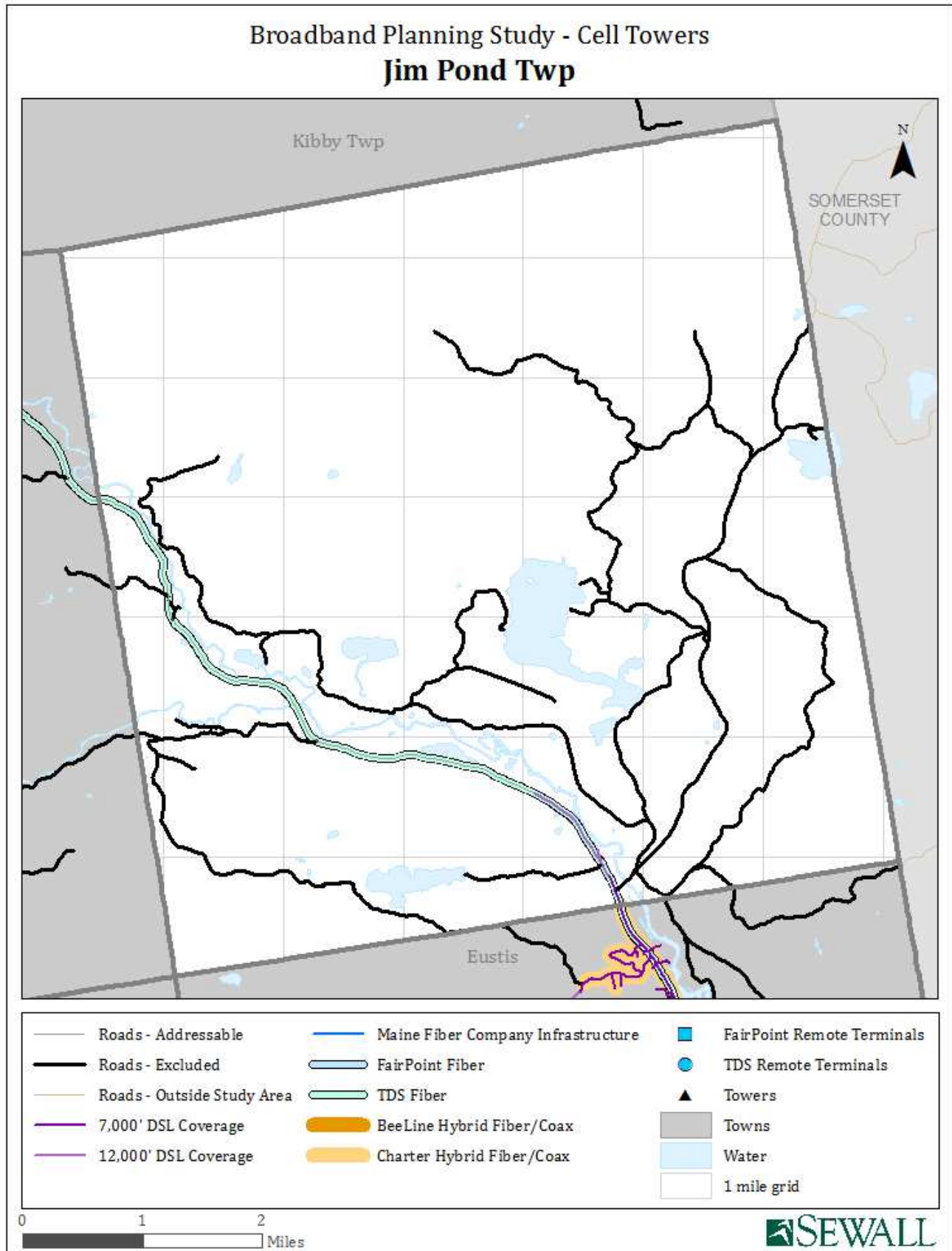
Jim Pond Twp Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Jim Pond Twp Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Jim Pond Twp Cell Towers Map 12

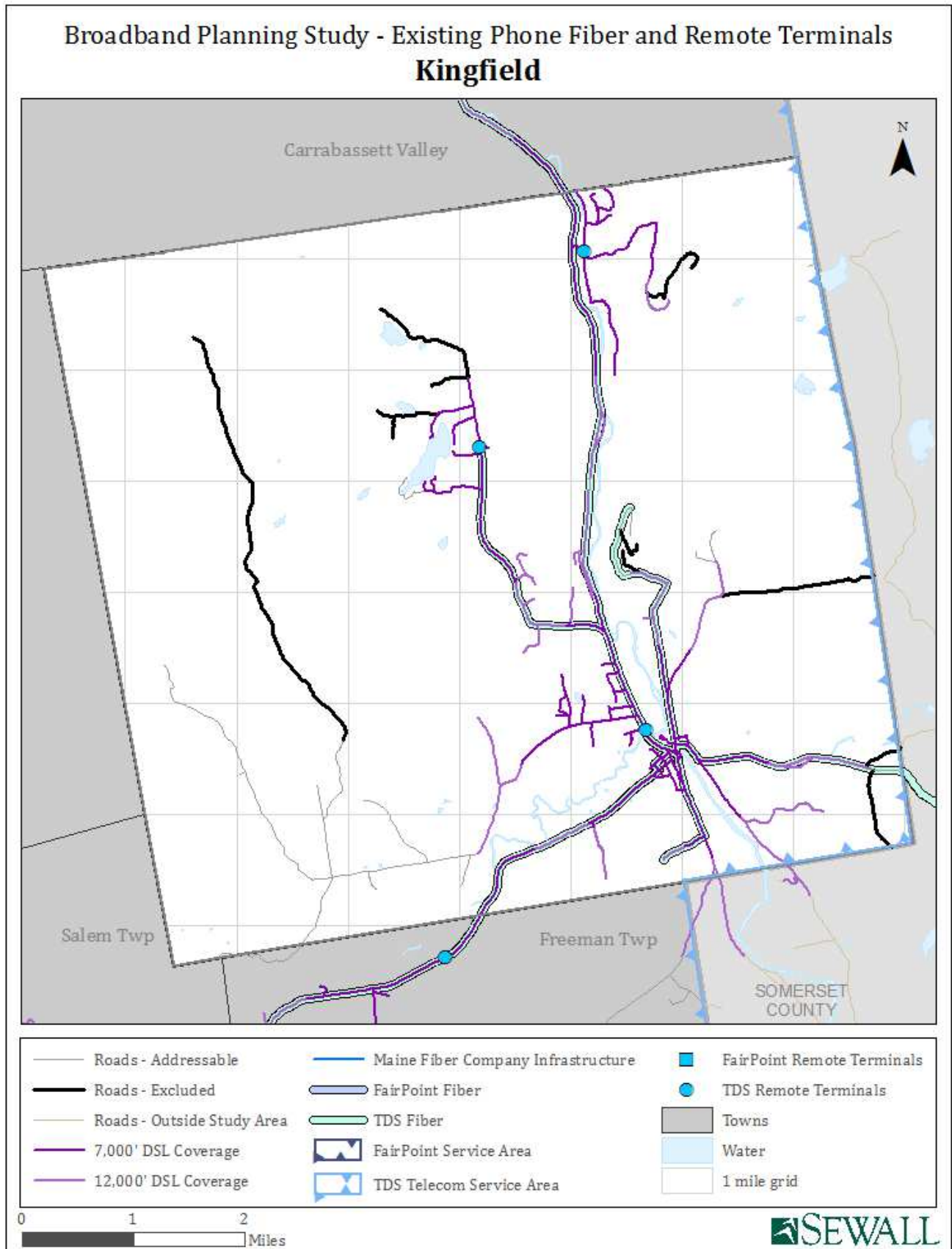


C-18 Kingfield

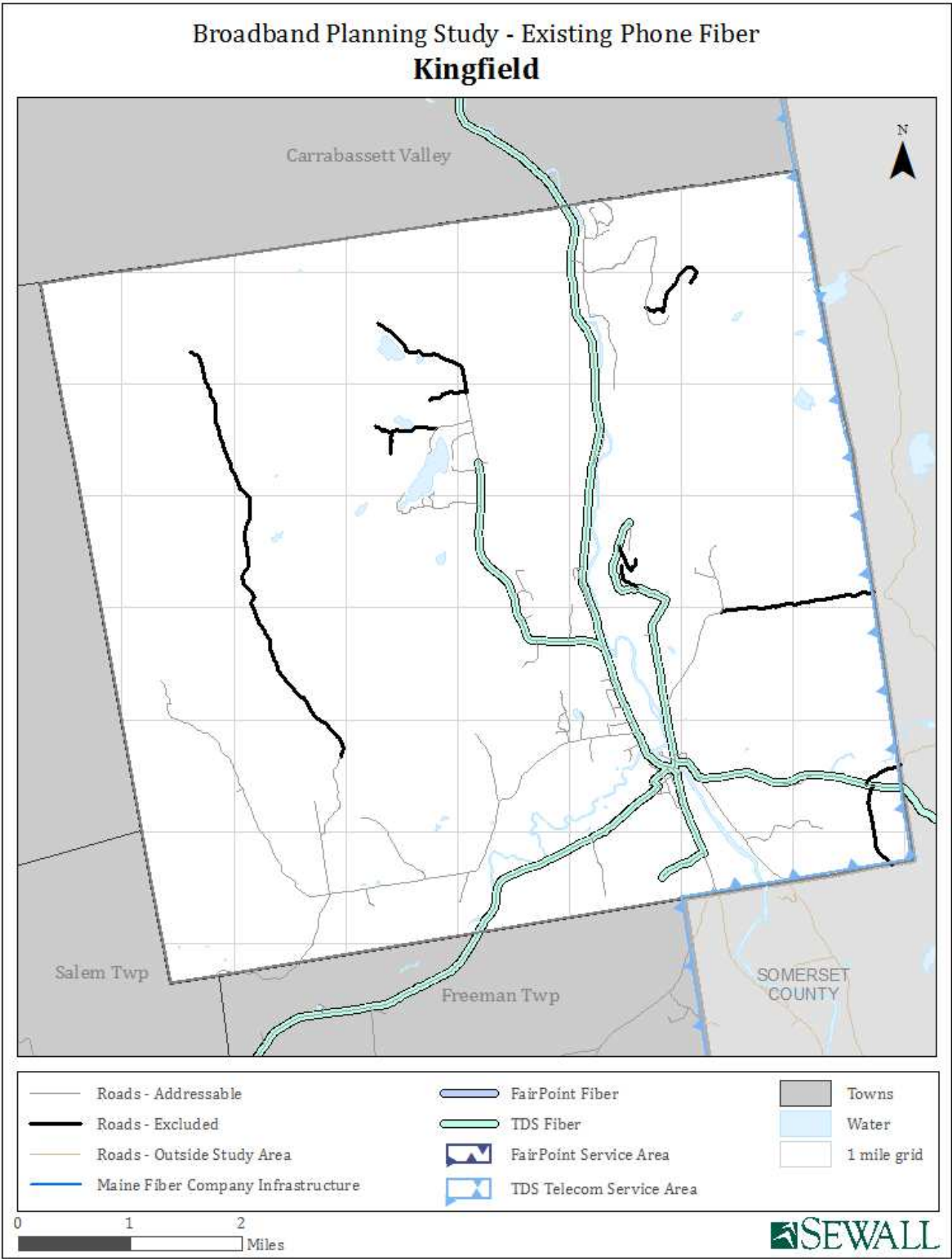
Special Considerations

None

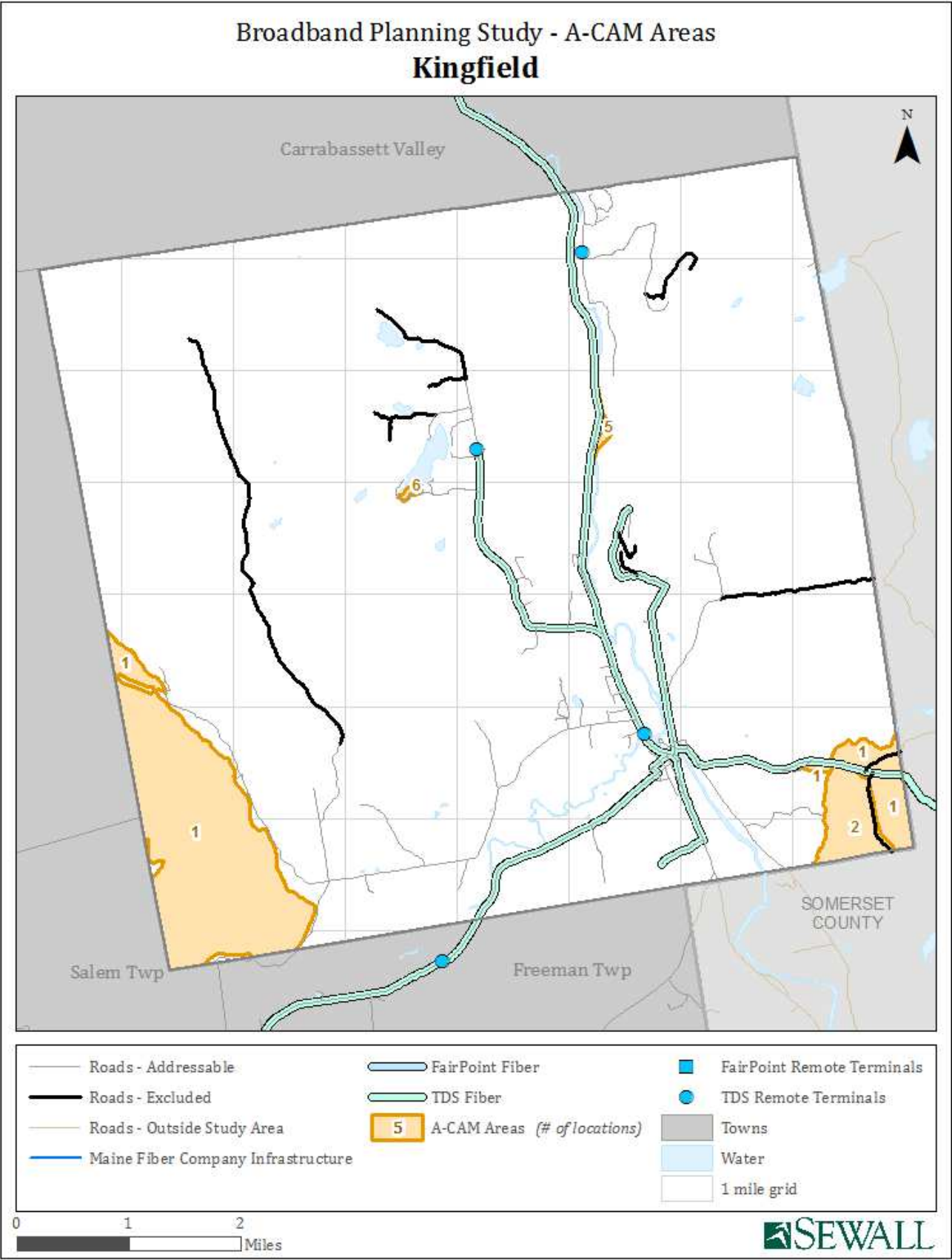
Kingfield				
Statistical Data	Cost	Unit	Kingfield	Study Area Totals
911 Addresses			708	22,824
Total Road Mileage			58.4	1,637
Phone Fiber Mileage			16.3	336
Hybrid Fiber/Coax Mileage			24	451
1G/1G FTTP Gap Miles	\$ 40,000	mile	47.9	1,363
1G/1G FTTP 911 Addresses	\$ 700	sub	699	22,500
<i>Potential Subscribers per mile</i>			15	17
Total Cost			\$2,404,278	\$70,258,775
<i>Per Potential Subscriber</i>			\$3,440	\$3,123
<i>Per Mile</i>			\$50,220	\$51,558
10M/10M Gap Miles	\$ 35,000	mile	24.2	910
10M/10M Gap 911 Addresses	\$ 350	sub	133	8,351
<i>Potential Subscribers per mile</i>			5	9
Total Cost			\$894,200	\$34,776,219
<i>Per Potential Subscriber</i>			\$6,723	\$4,164
<i>Per Mile</i>			\$36,922	\$38,212
Potential private investment			\$245,532	\$15,955,247
Potential public subsidy			\$648,668	\$18,820,972
25M/3M Gap Miles			15.9	650
25M/3M Gap 911 Addresses			95	4,931
25M/3M New RT Quantity	\$ 25,000		8	270
25M/3M New Fiber Miles	\$ 25,000		6.3	182
<i>Potential Subscribers per mile</i>			6	8
Total Cost			\$358,509	\$11,305,524
<i>Per Potential Subscriber</i>			\$3,774	\$2,293
Potential private investment			\$107,261	\$4,286,572
Potential public subsidy			\$251,248	\$7,018,952
10M/1M Gap Miles			7.4	407
10M/1M Gap 911 Addresses			31	2,925
10M/1M New RT Quantity	\$ 25,000		3	93
10M/1M New Fiber Miles	\$ 25,000		4.3	74
<i>Potential Subscribers per mile</i>			4	7
Total Cost			\$181,642	\$4,167,973
<i>Per Potential Subscriber</i>			\$5,859	\$1,425
Potential private investment			\$38,196	\$1,497,587
Potential public subsidy			\$143,445	\$2,670,386
CAF-II Funded Locations			-	2,429
A-CAM Funded Locations			20	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$62,910	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$31,597	\$899,395
Insurance	\$183	mile	\$8,783	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$9,575	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$8,738	\$281,250
Administration	\$30	sub	\$10,485	\$337,500
Total Operating Expense			\$69,177	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			(\$6,267)	(\$15,689)

Kingfield Existing Phone Fiber & Remote Terminals Map 1

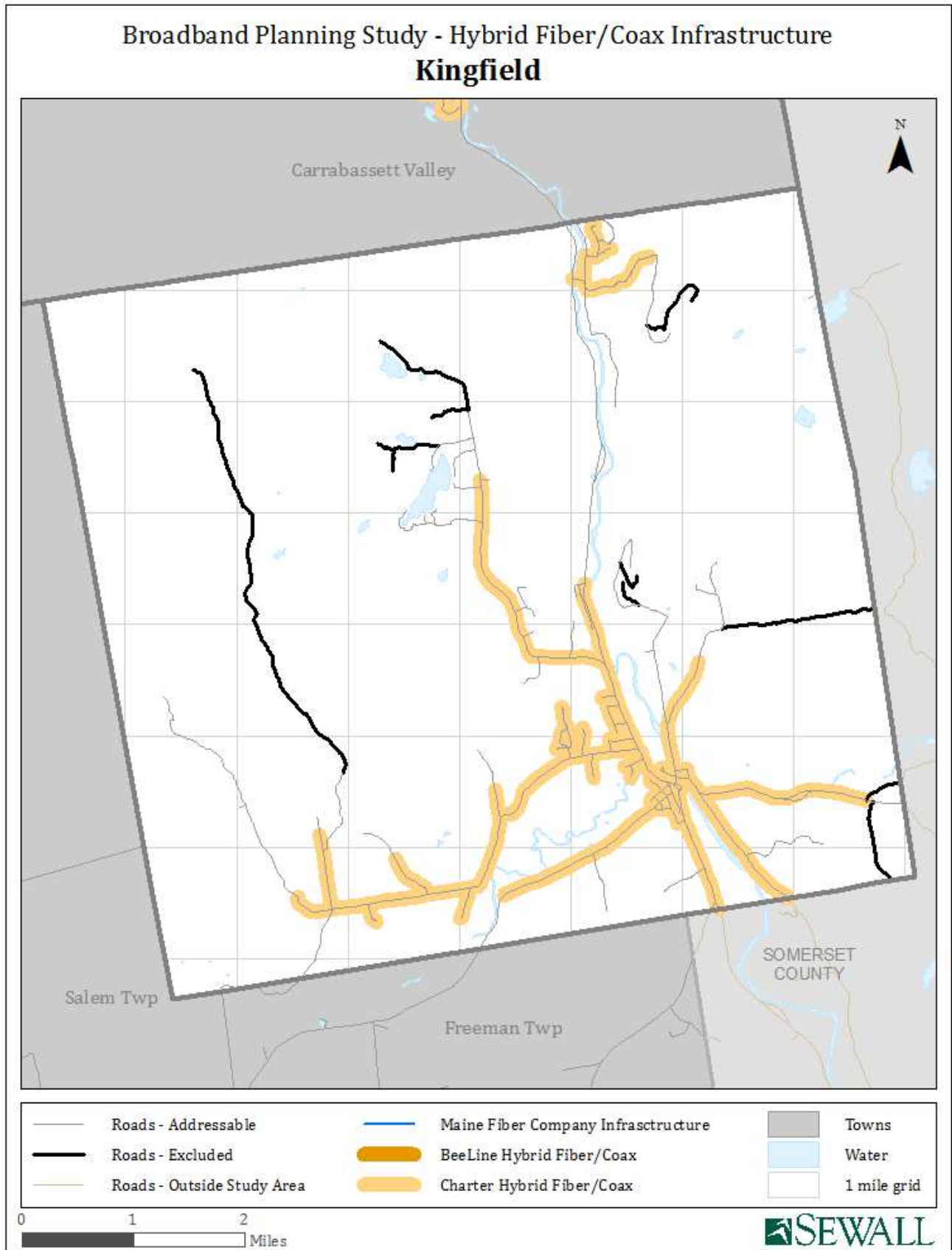
Kingfield Existing Phone Fiber Map 2



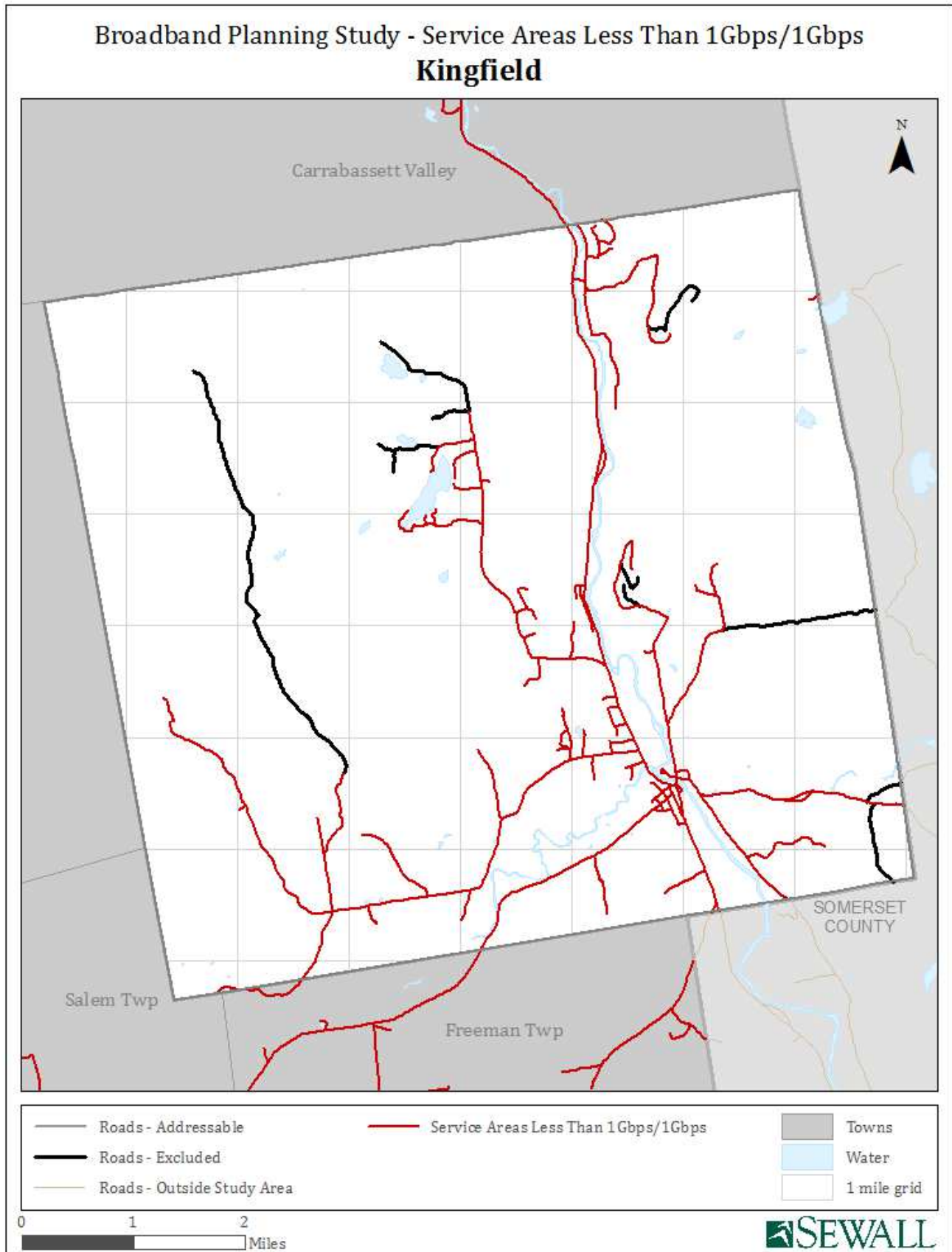
Kingfield A-CAM Map 4



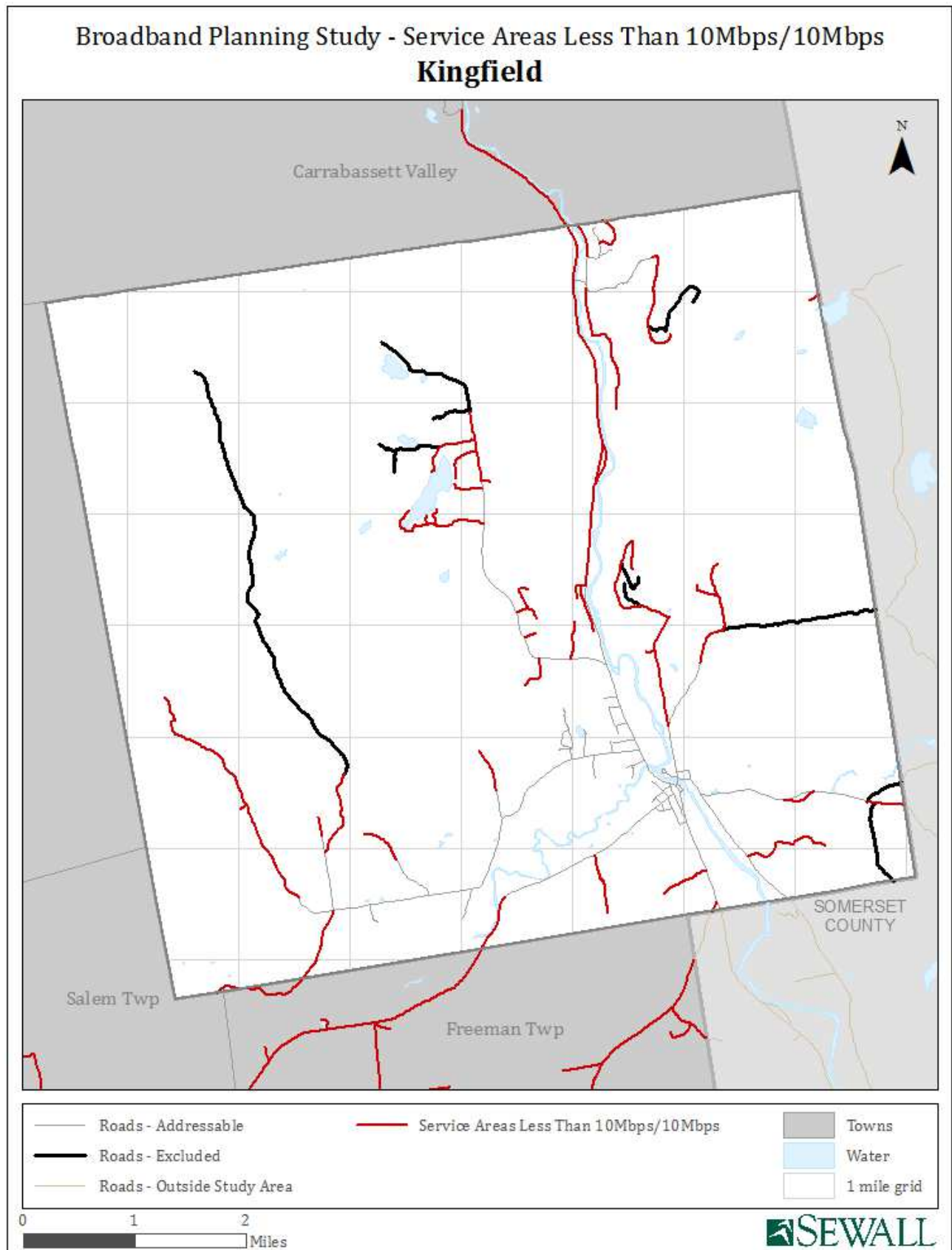
Kingfield Hybrid Fiber/Coax Infrastructure Map 5



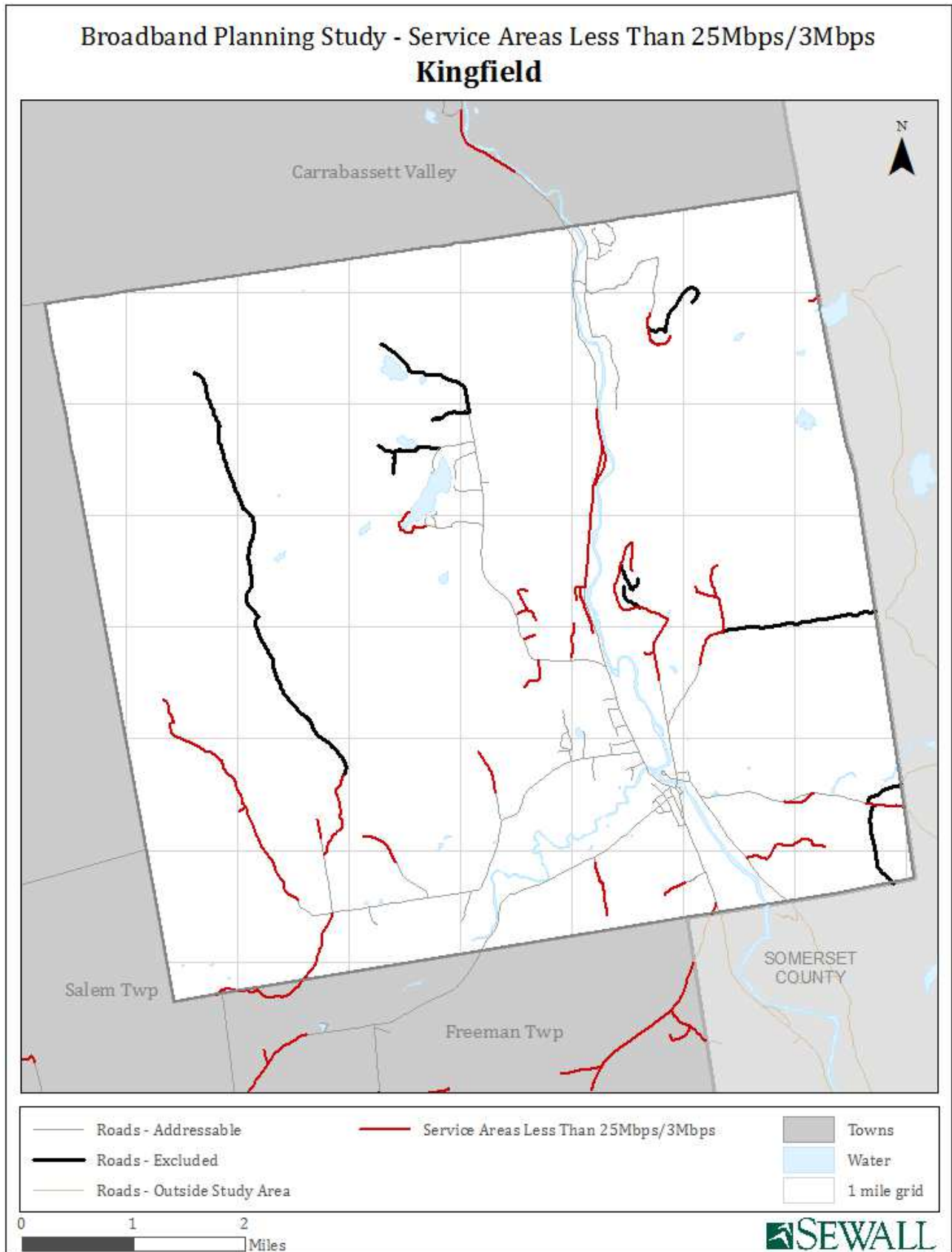
Kingfield Service Areas less than 1 Gbps/1 Gbps Map 6



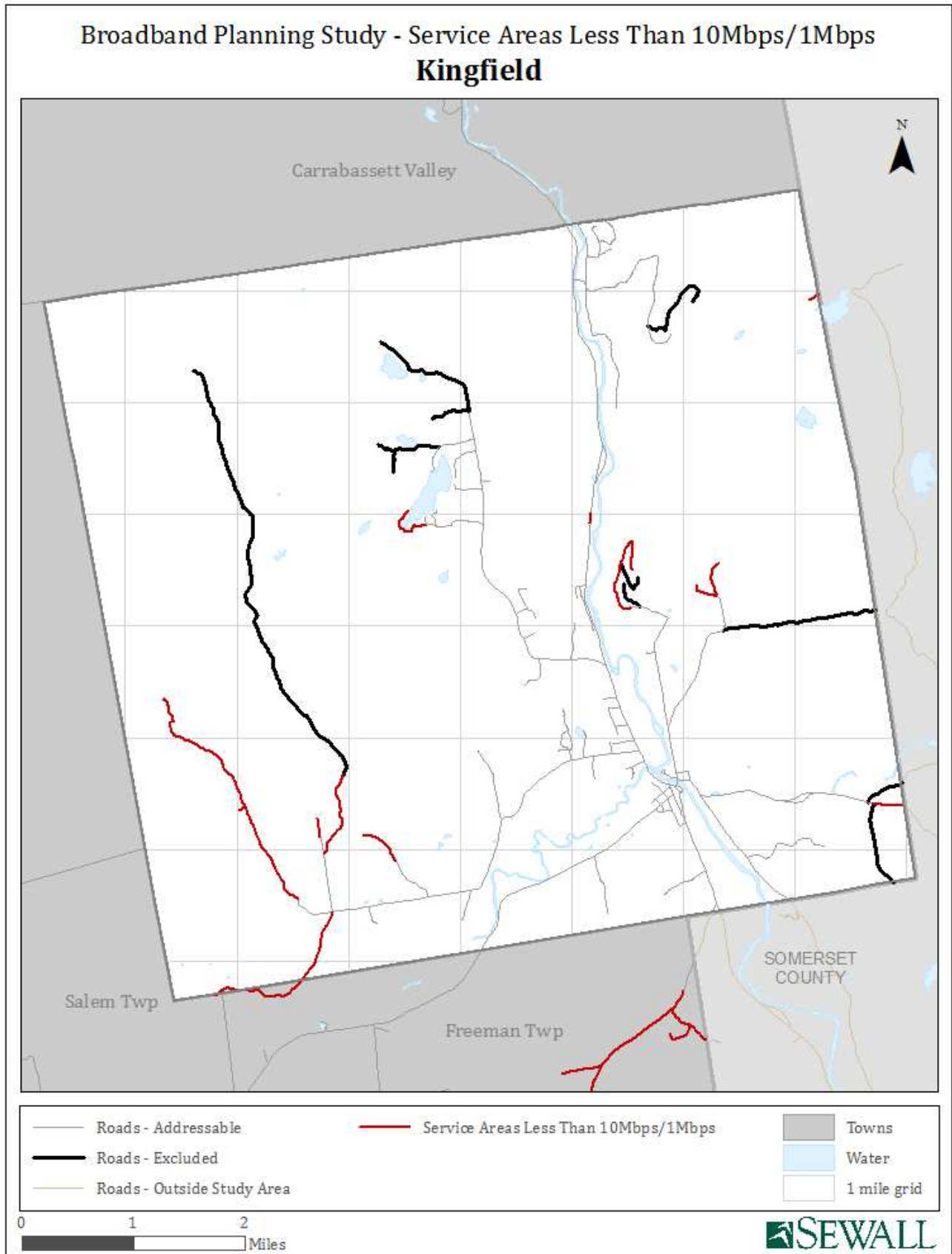
Kingfield Service Areas less than 10 Mbps/10 Mbps Map 7



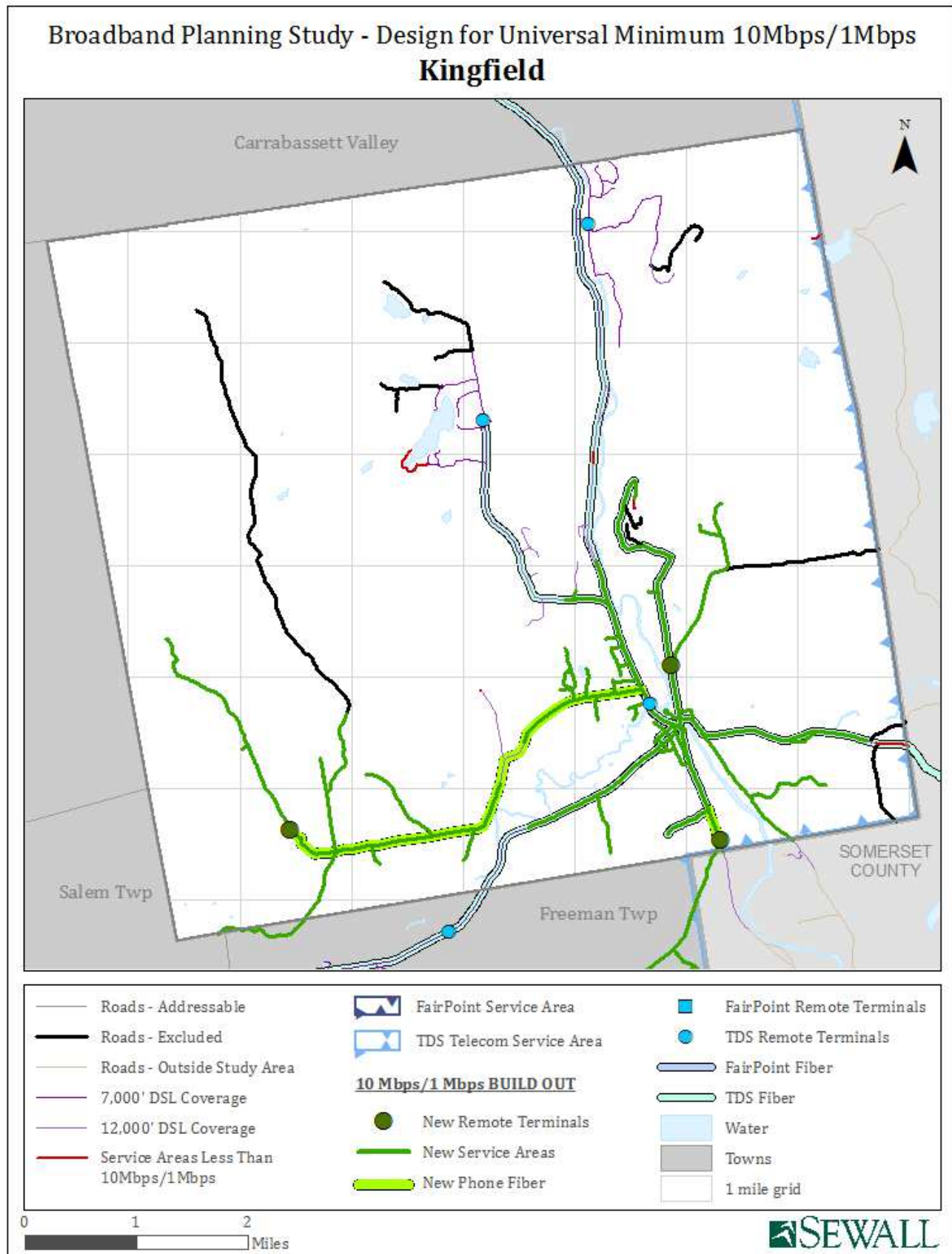
Kingfield Service Areas less than 25 Mbps/3 Mbps Map 8



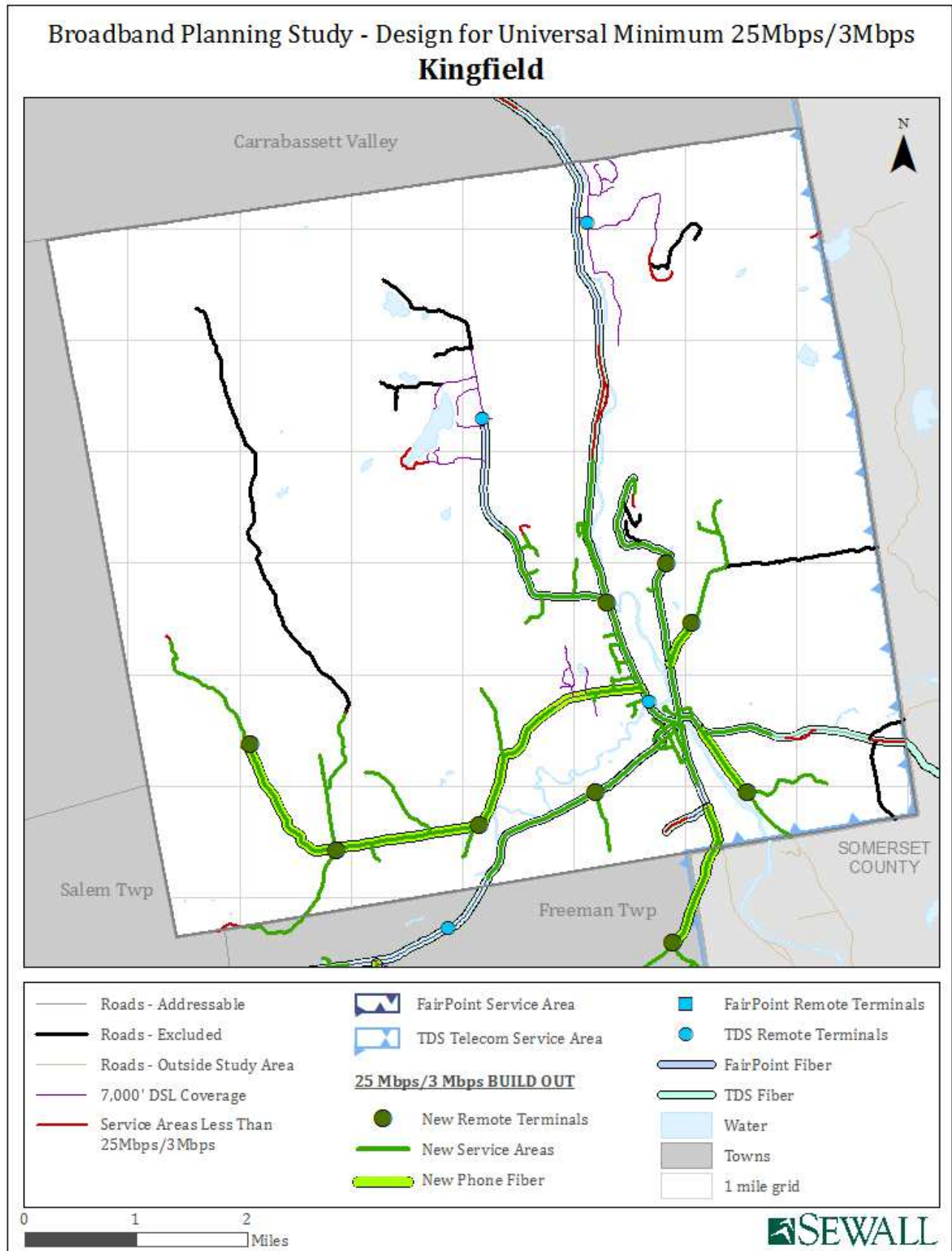
Kingfield Service Areas less than 10 Mbps/1 Mbps Map 9



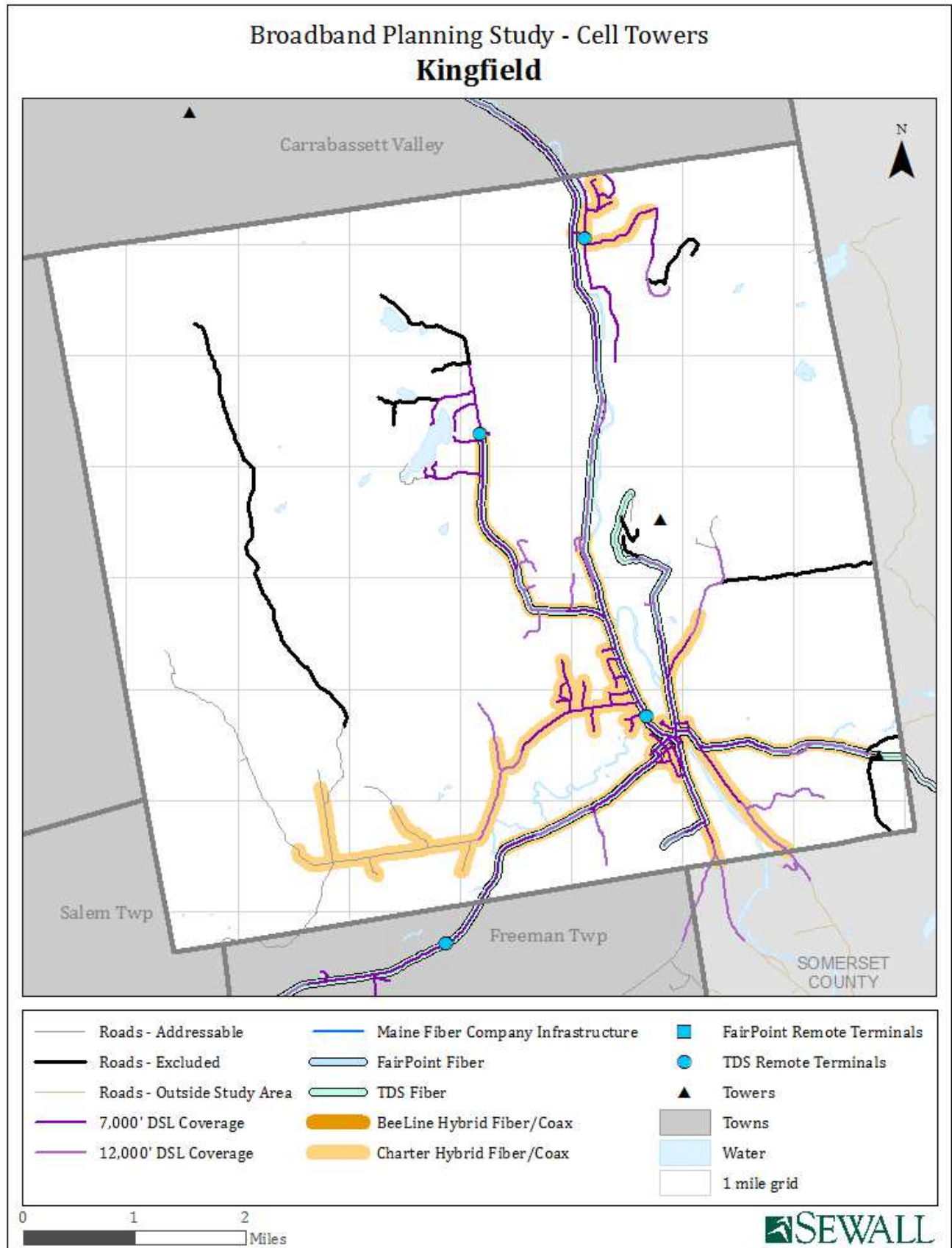
Kingfield Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Kingfield Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Kingfield Cell Towers Map 12



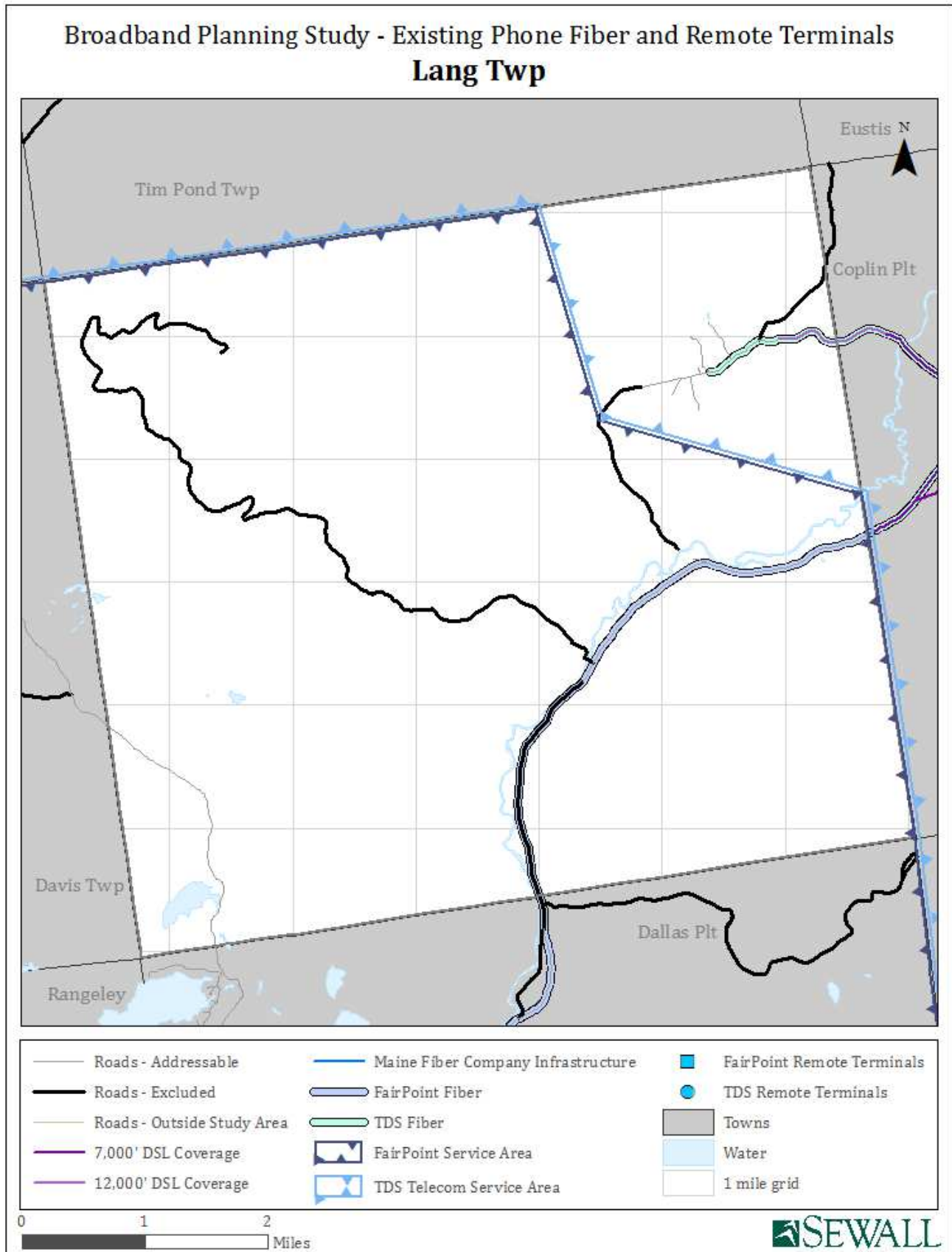
C-19 Lang Twp

Special Considerations

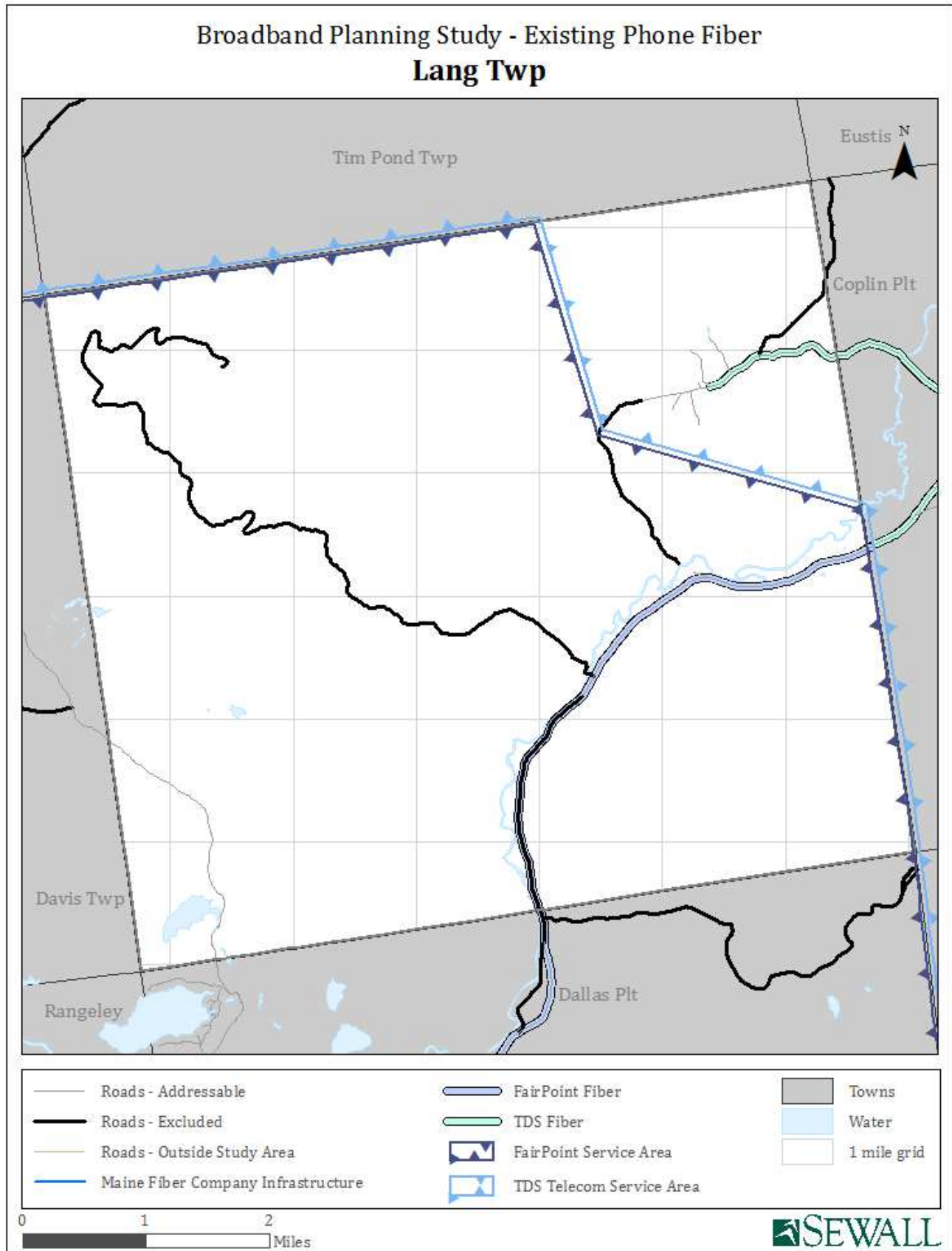
Deployment in Lang Township will require collaboration from Coplin Township as there is not existing connectivity from the other surrounding Townships.

Lang Township				
Statistical Data	Cost	Unit	Lang Twp	Study Area Totals
911 Addresses			23	22,824
Total Road Mileage			21.1	1,637
Phone Fiber Mileage			-	336
Hybrid Fiber/Coax Mileage			-	451
1G/1G FTTP Gap Miles	\$ 40,000	mile	8.3	1,363
1G/1G FTTP 911 Addresses	\$ 700	sub	22	22,500
Potential Subscribers per mile			3	17
Total Cost			\$347,074	\$70,258,775
Per Potential Subscriber			\$15,776	\$3,123
Per Mile			\$41,857	\$51,558
10M/10M Gap Miles	\$ 35,000	mile	8.3	910
10M/10M Gap 911 Addresses	\$ 350	sub	22	8,351
Potential Subscribers per mile			3	9
Total Cost			\$297,915	\$34,776,219
Per Potential Subscriber			\$13,542	\$4,164
Per Mile			\$35,929	\$38,212
Potential private investment			\$39,521	\$15,955,247
Potential public subsidy			\$258,393	\$18,820,972
25M/3M Gap Miles			8.3	650
25M/3M Gap 911 Addresses			22	4,931
25M/3M New RT Quantity	\$ 25,000		2	270
25M/3M New Fiber Miles	\$ 25,000		2.3	182
Potential Subscribers per mile			3	8
Total Cost			\$108,062	\$11,305,524
Per Potential Subscriber			\$4,912	\$2,293
Potential private investment			\$14,336	\$4,286,572
Potential public subsidy			\$93,726	\$7,018,952
10M/1M Gap Miles			7.8	407
10M/1M Gap 911 Addresses			21	2,925
10M/1M New RT Quantity	\$ 25,000		3	93
10M/1M New Fiber Miles	\$ 25,000		1.9	74
Potential Subscribers per mile			3	7
Total Cost			\$123,196	\$4,167,973
Per Potential Subscriber			\$5,866	\$1,425
Potential private investment			\$16,672	\$1,497,587
Potential public subsidy			\$106,525	\$2,670,386
CAF-II Funded Locations			-	2,429
A-CAM Funded Locations			51	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$1,980	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$5,473	\$899,395
Insurance	\$183	mile	\$1,521	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$1,658	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$275	\$281,250
Administration	\$30	sub	\$330	\$337,500
Total Operating Expense			\$9,257	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			(\$7,277)	(\$15,689)

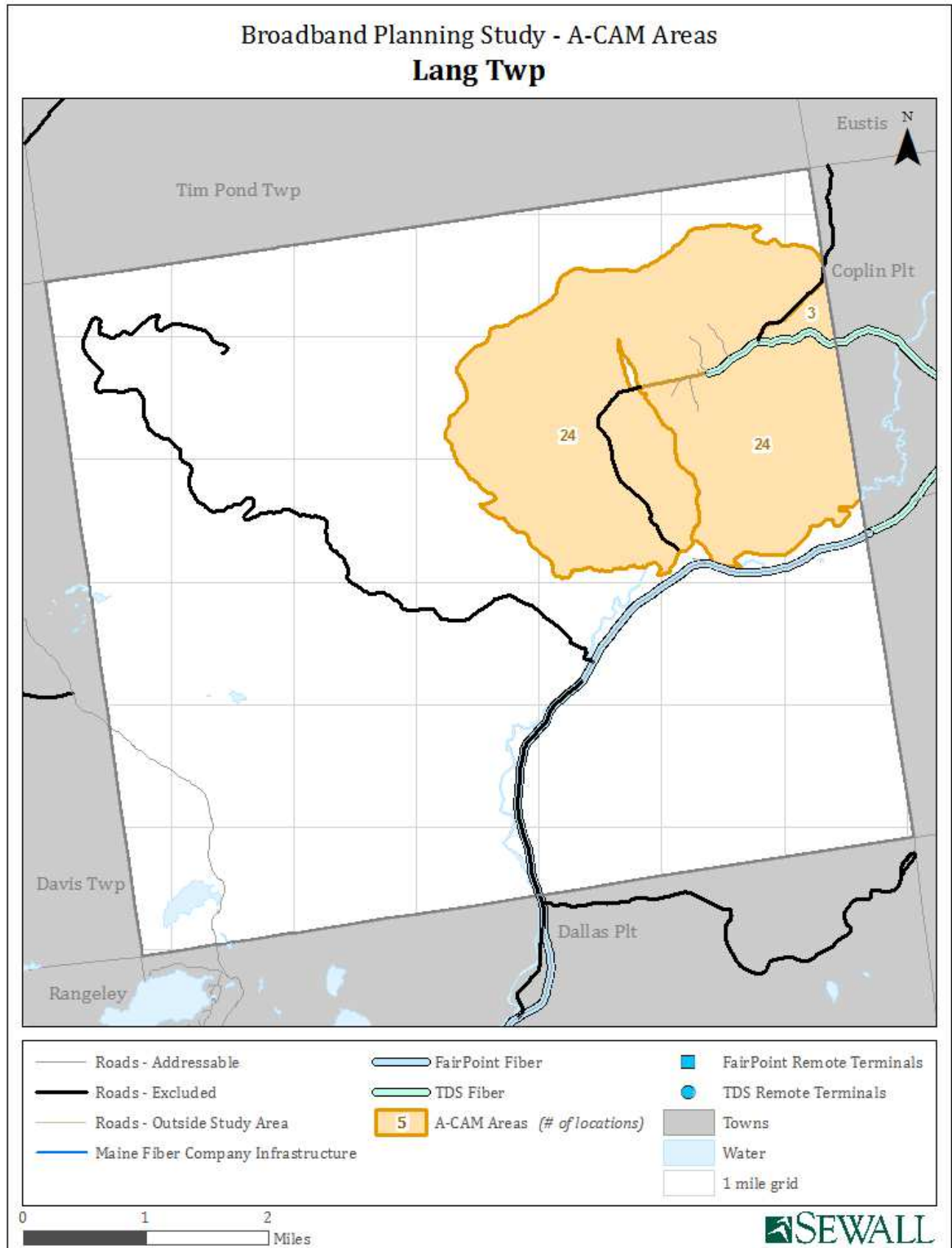
Lang Twp Existing Phone Fiber & Remote Terminals Map 1



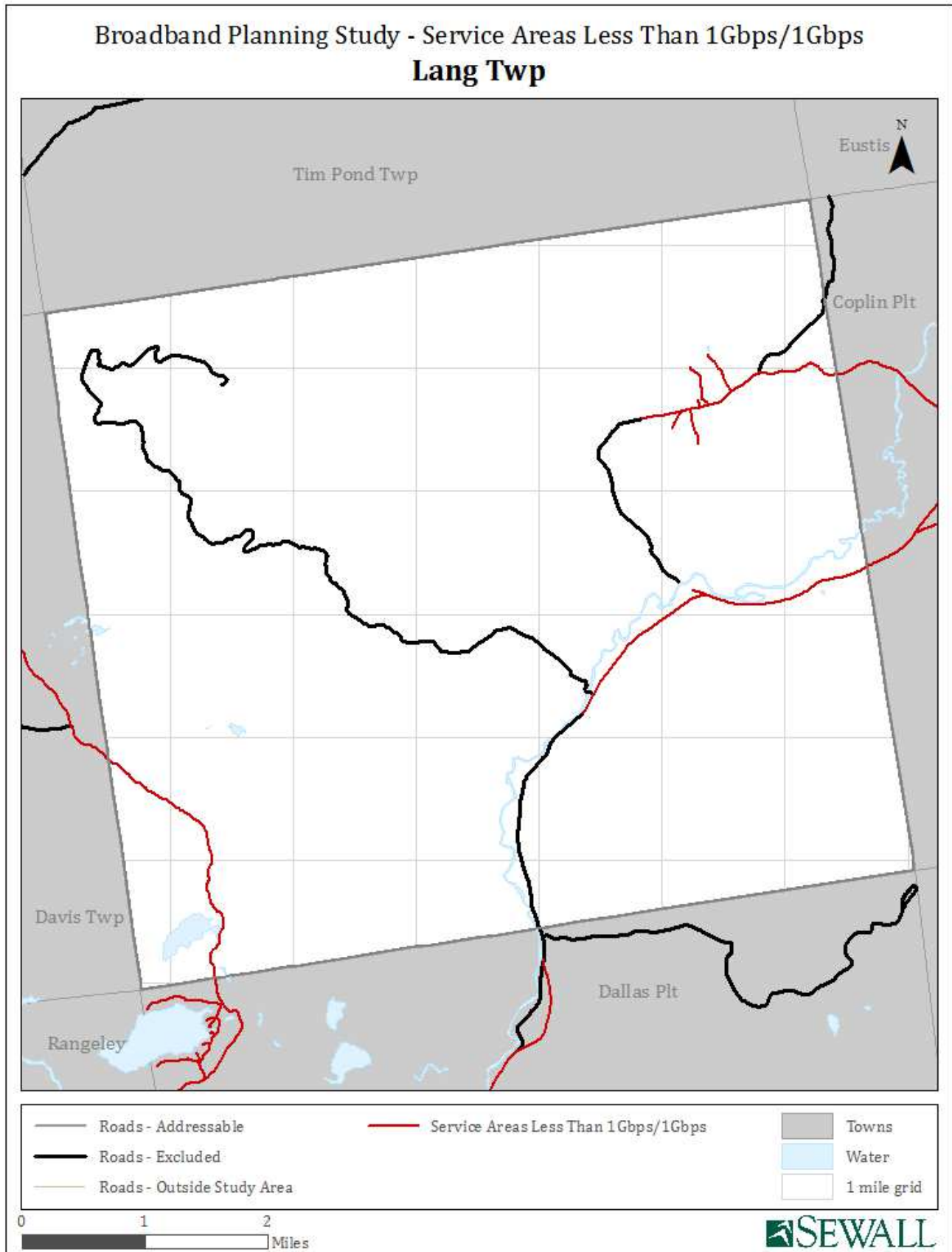
Lang Twp Existing Phone Fiber Map 2



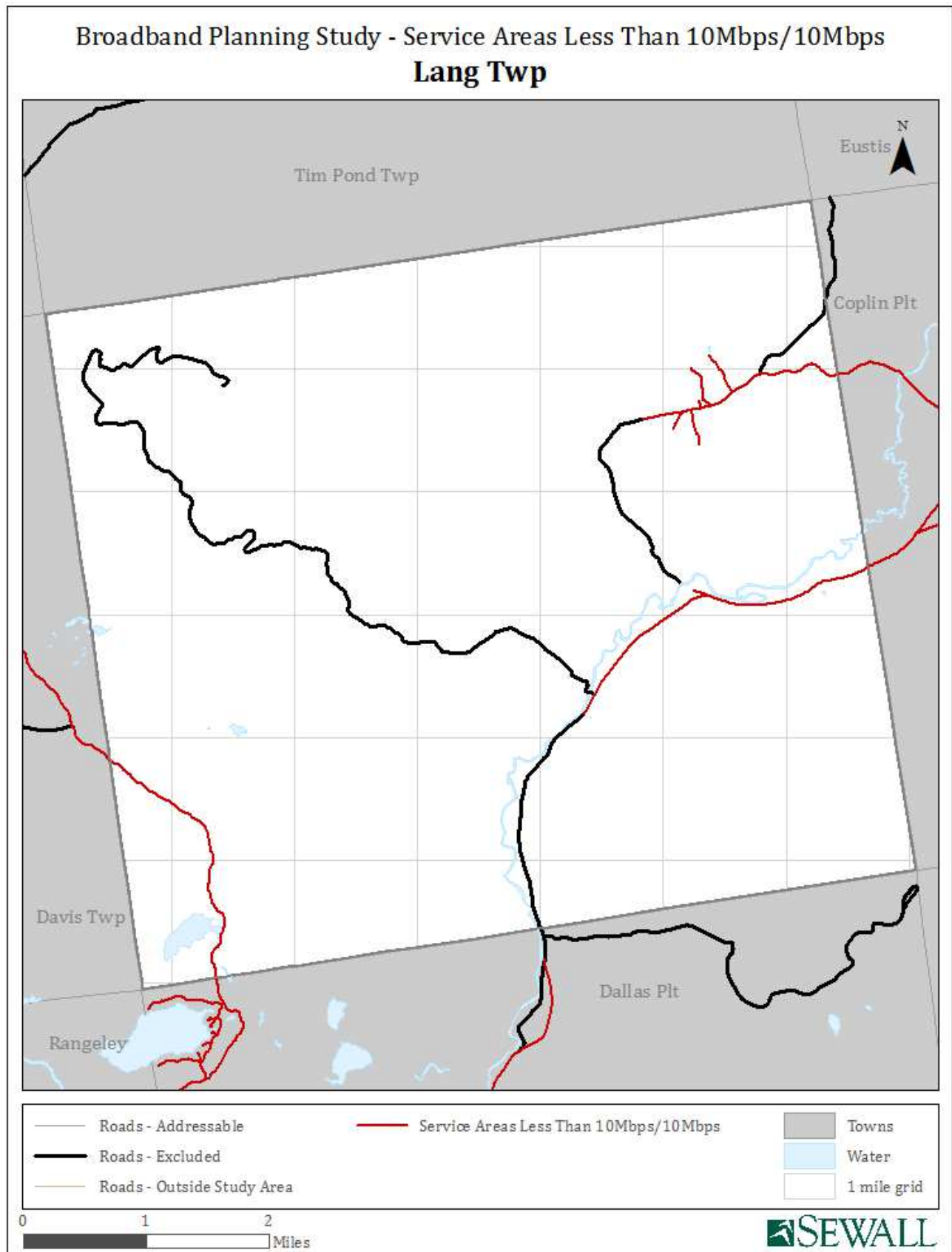
Lang Twp A-CAM Map 4



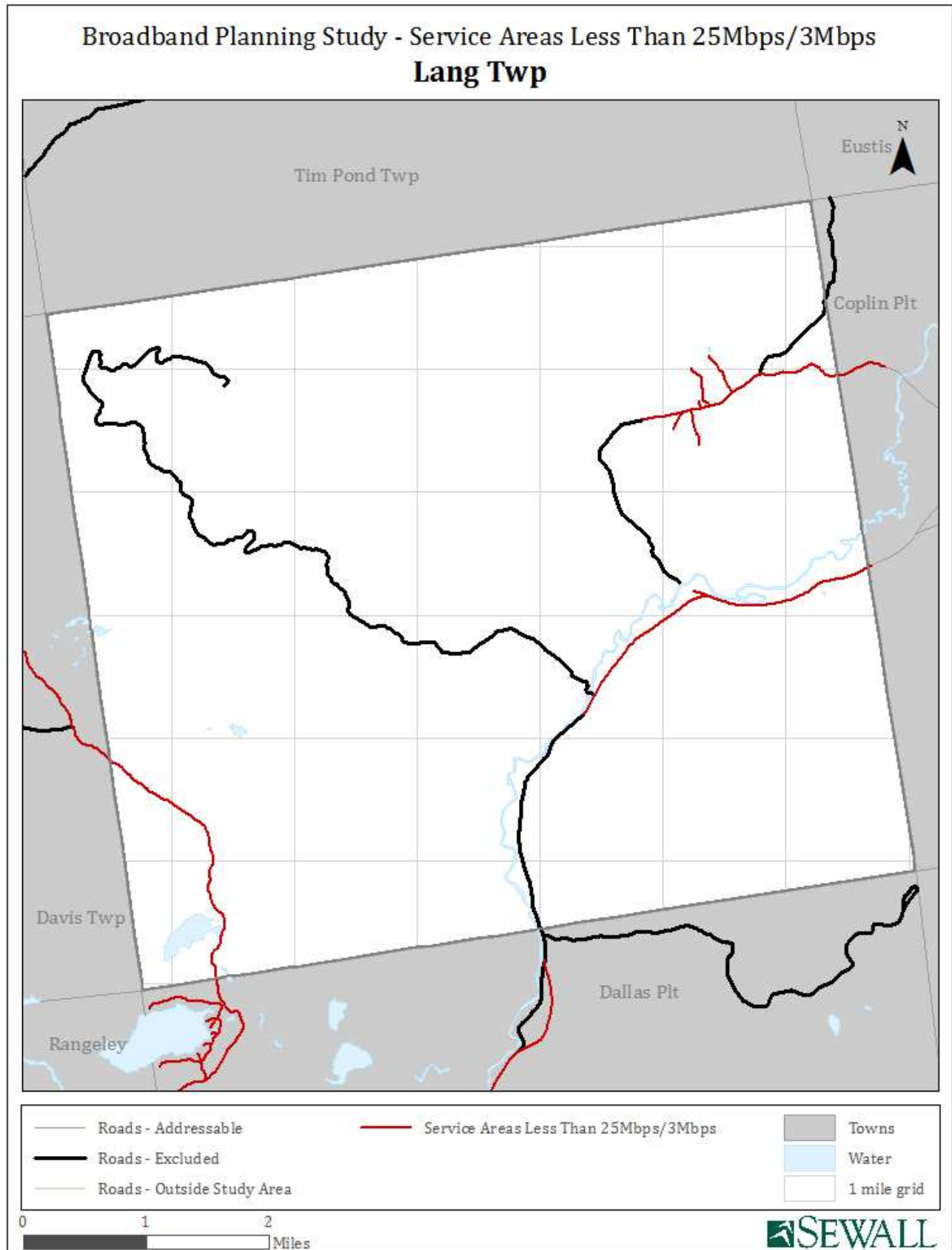
Lang Twp Service Areas less than 1 Gbps/1 Gbps Map 6



Lang Twp Service Areas less than 10 Mbps/10 Mbps Map 7



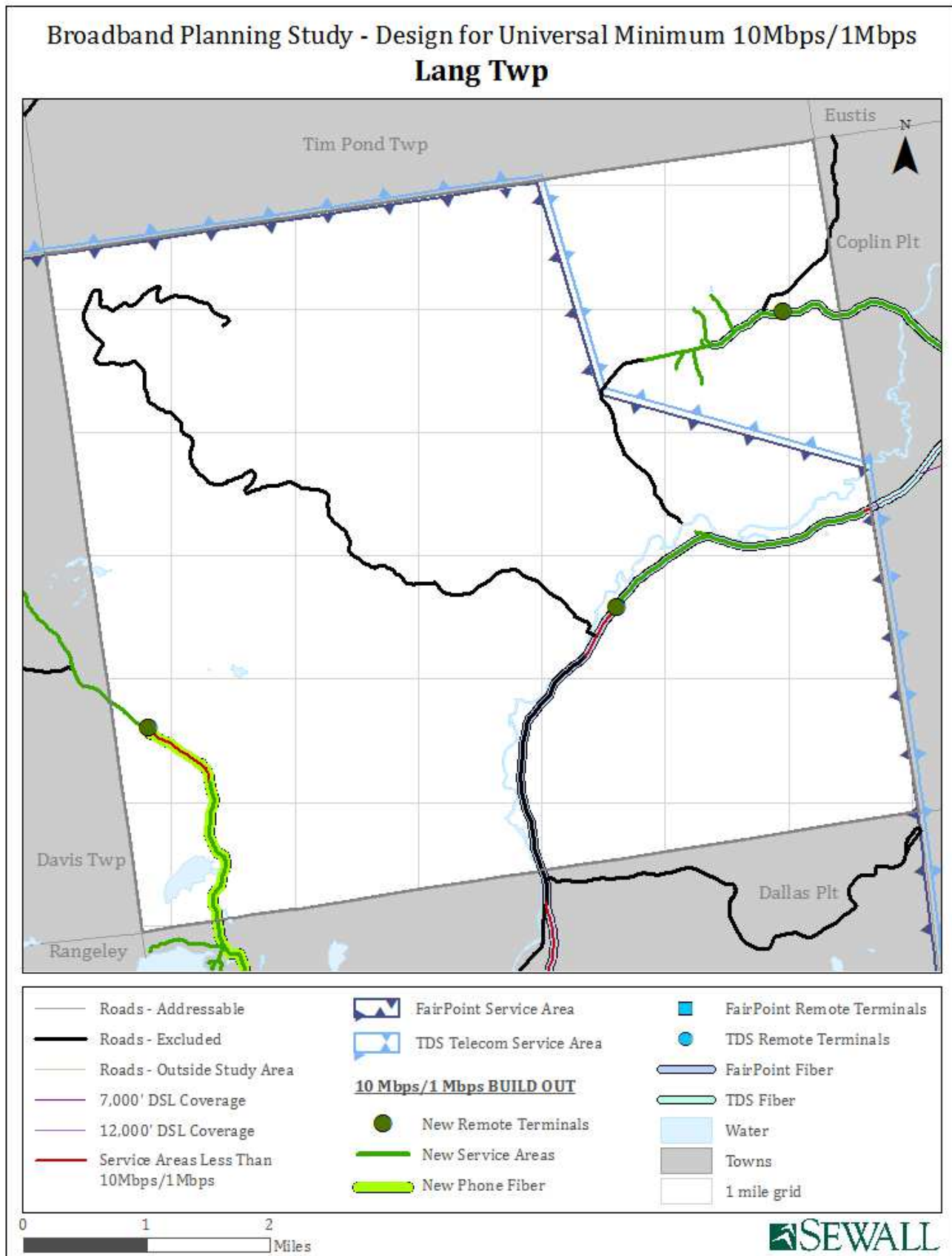
Lang Twp Service Areas less than 25 Mbps/3 Mbps Map 8



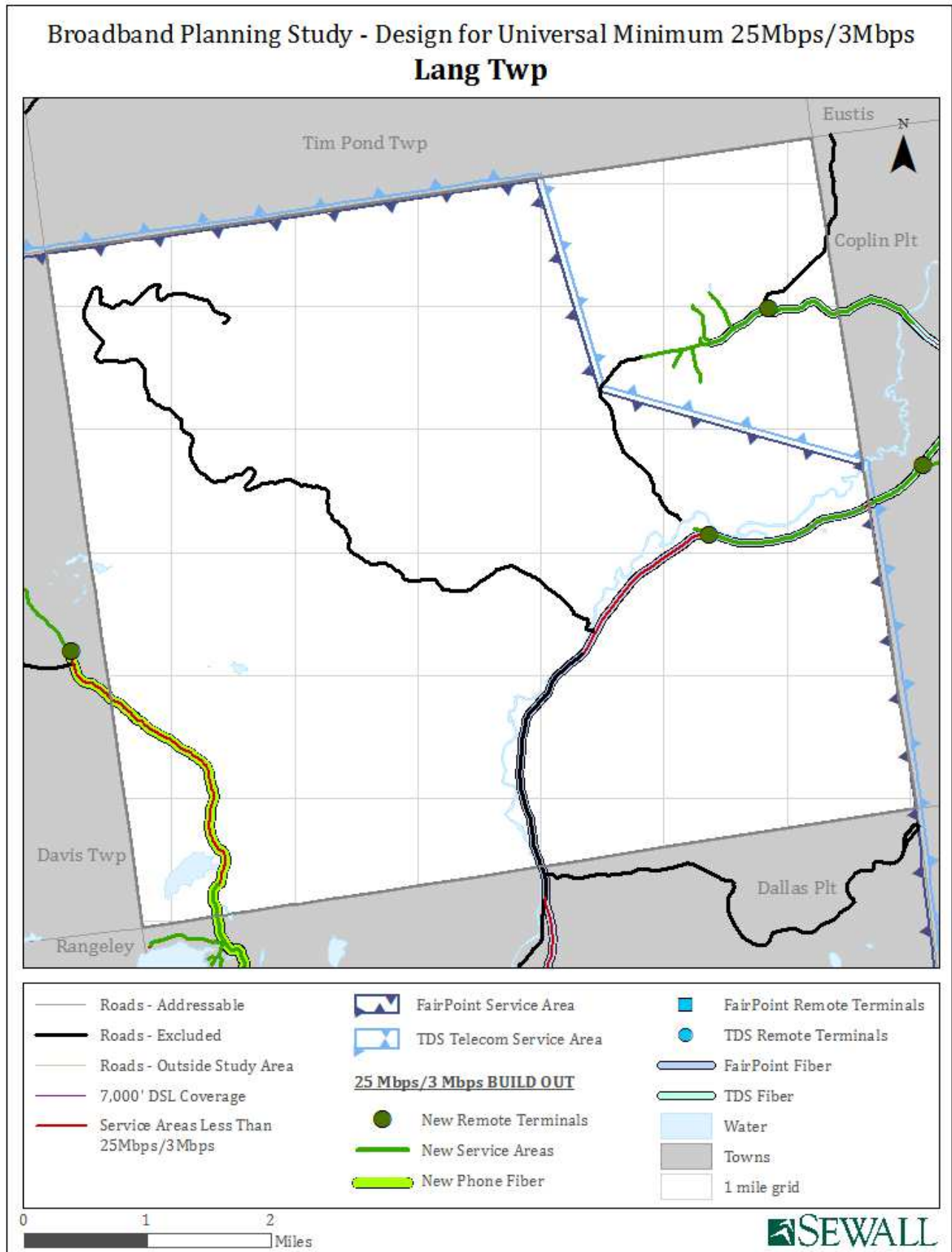
Lang Twp Service Areas less than 10 Mbps/1 Mbps Map 9



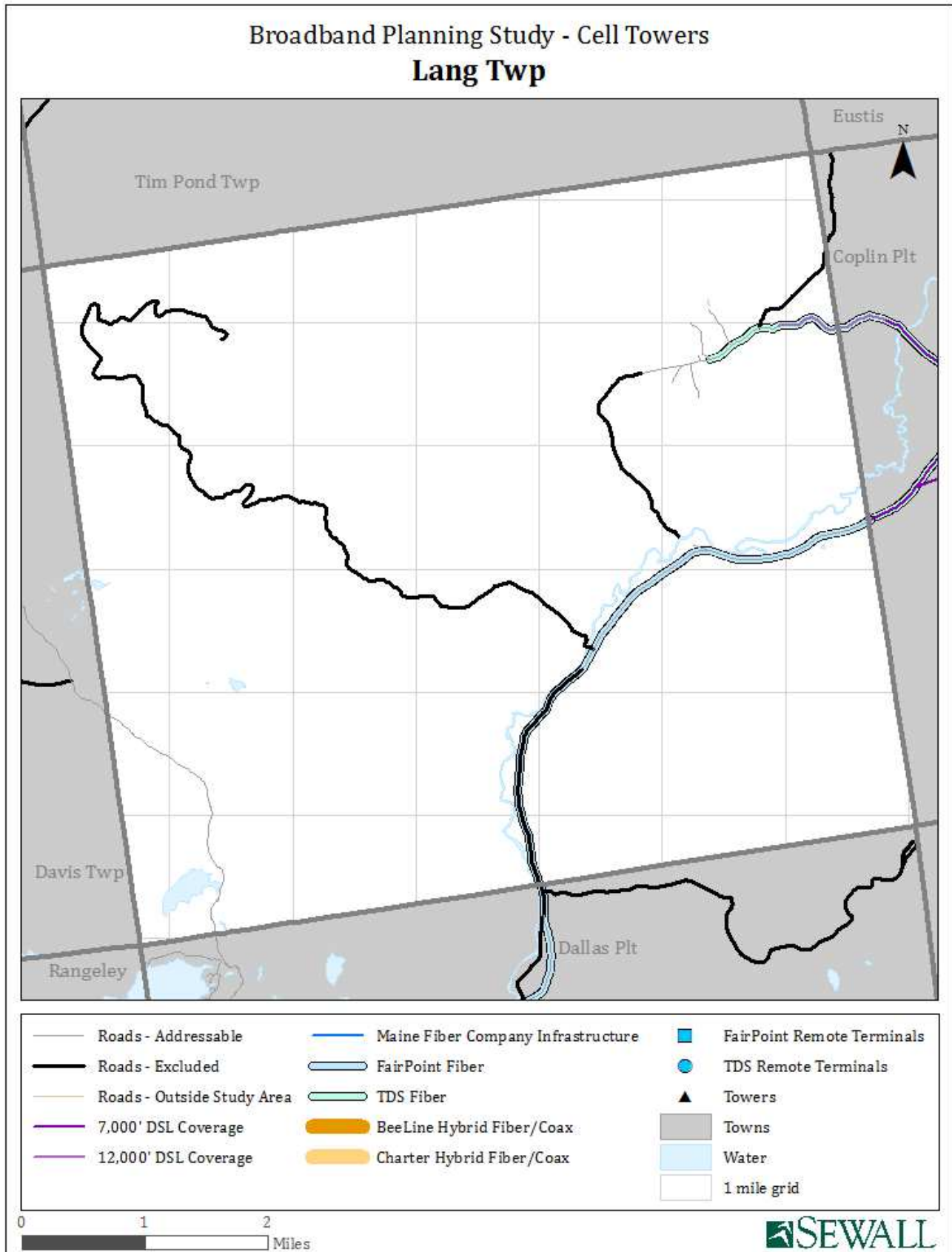
Lang Twp Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Lang Twp Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Lang Twp Cell Towers Map 12



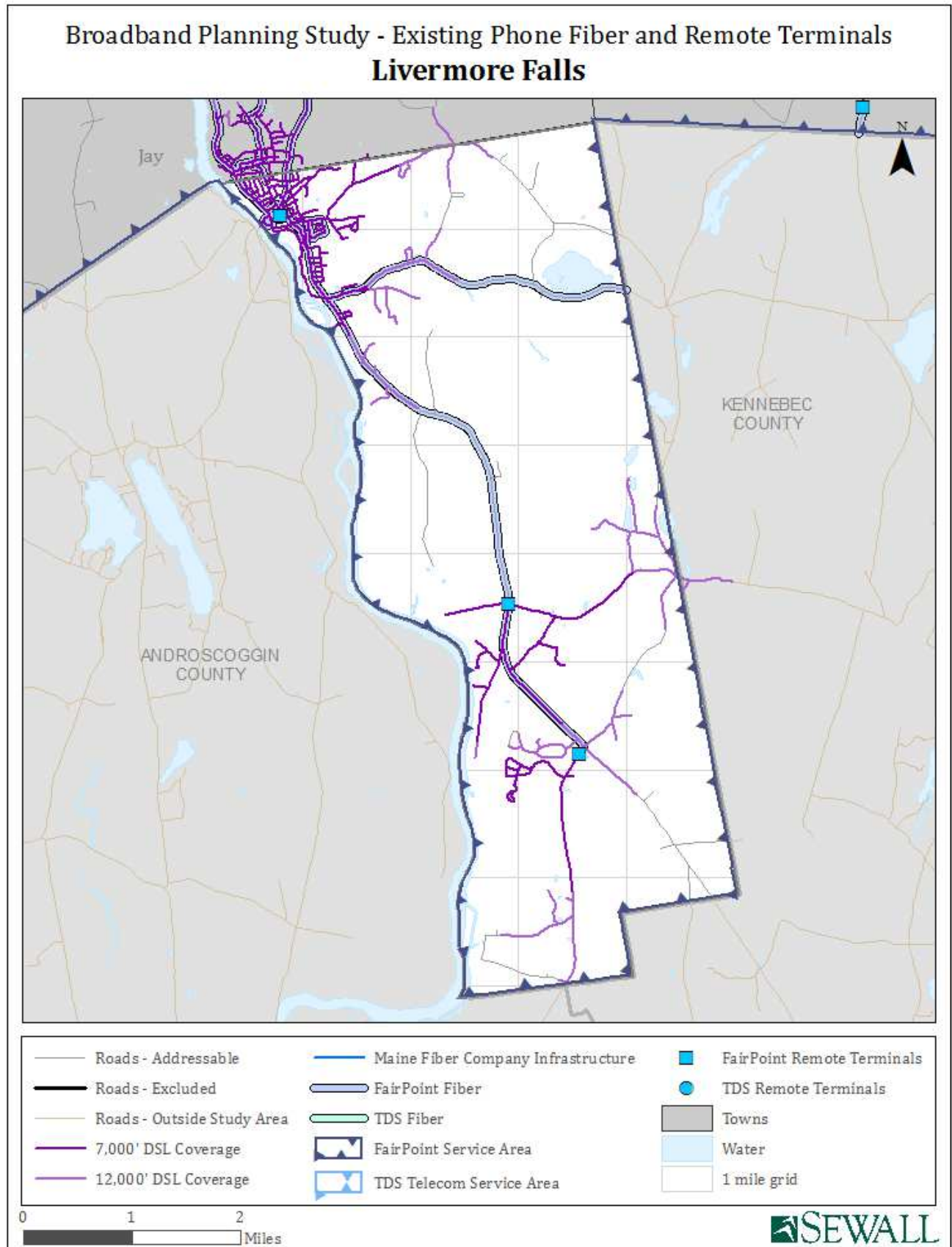
C-20 Livermore Falls

Special Considerations

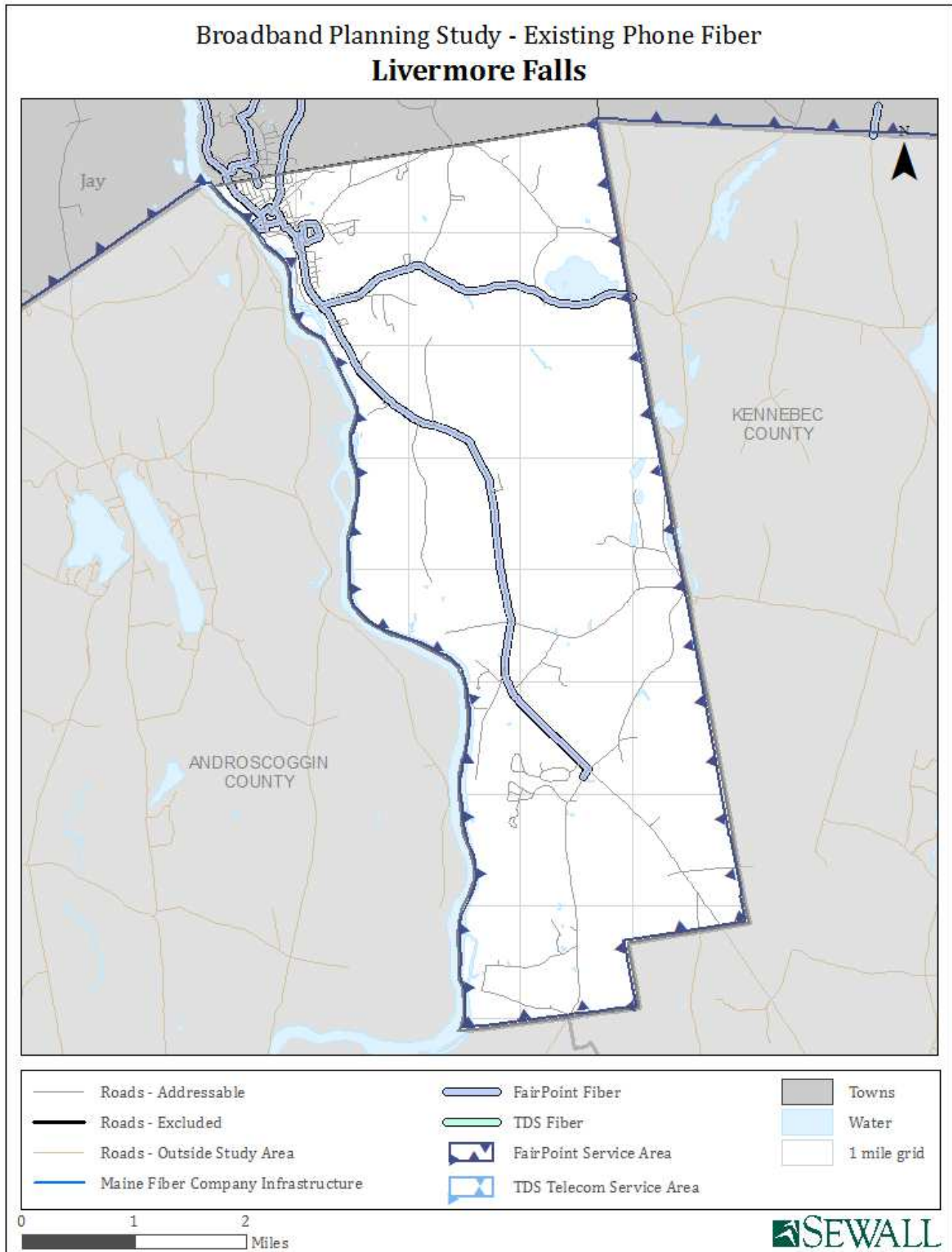
None

Livermore Falls				
Statistical Data	Cost	Unit	Livermore Falls	Study Area Totals
911 Addresses			1,947	22,824
Total Road Mileage			53.1	1,637
Phone Fiber Mileage			11.4	336
Hybrid Fiber/Coax Mileage			47	451
1G/1G FTTP Gap Miles	\$ 40,000	mile	53.1	1,363
1G/1G FTTP 911 Addresses	\$ 700	sub	1,933	22,500
<i>Potential Subscribers per mile</i>			36	17
Total Cost			\$3,477,070	\$70,258,775
<i>Per Potential Subscriber</i>			\$1,799	\$3,123
<i>Per Mile</i>			\$65,482	\$51,558
10M/10M Gap Miles	\$ 35,000	mile	6.6	910
10M/10M Gap 911 Addresses	\$ 350	sub	50	8,351
<i>Potential Subscribers per mile</i>			8	9
Total Cost			\$247,434	\$34,776,219
<i>Per Potential Subscriber</i>			\$4,949	\$4,164
<i>Per Mile</i>			\$37,664	\$38,212
Potential private investment			\$94,160	\$15,955,247
Potential public subsidy			\$153,274	\$18,820,972
25M/3M Gap Miles			3.9	650
25M/3M Gap 911 Addresses			25	4,931
25M/3M New RT Quantity	\$ 25,000		4	270
25M/3M New Fiber Miles	\$ 25,000		3.8	182
<i>Potential Subscribers per mile</i>			6	8
Total Cost			\$193,968	\$11,305,524
<i>Per Potential Subscriber</i>			\$7,759	\$2,293
Potential private investment			\$62,602	\$4,286,572
Potential public subsidy			\$131,366	\$7,018,952
10M/1M Gap Miles			2.0	407
10M/1M Gap 911 Addresses			8	2,925
10M/1M New RT Quantity	\$ 25,000		1	93
10M/1M New Fiber Miles	\$ 25,000		-	74
<i>Potential Subscribers per mile</i>			4	7
Total Cost			\$25,000	\$4,167,973
<i>Per Potential Subscriber</i>			\$3,125	\$1,425
Potential private investment			\$4,951	\$1,497,587
Potential public subsidy			\$20,049	\$2,670,386
CAF-II Funded Locations			-	2,429
A-CAM Funded Locations			-	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$173,970	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$35,046	\$899,395
Insurance	\$183	mile	\$9,741	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$10,620	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$24,163	\$281,250
Administration	\$30	sub	\$28,995	\$337,500
Total Operating Expense			\$108,564	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			\$65,406	(\$15,689)

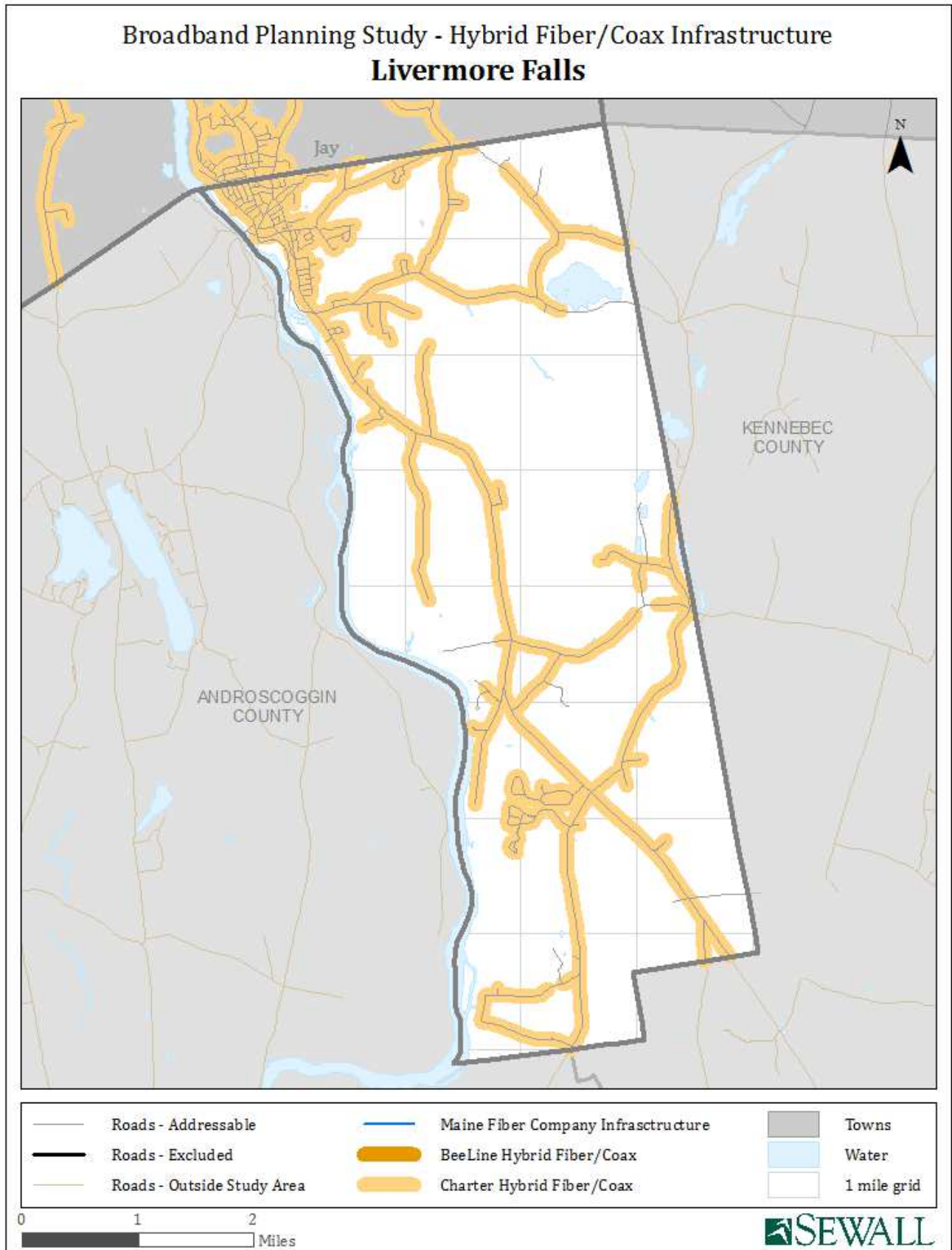
Livermore Falls Existing Phone Fiber & Remote Terminals Map 1



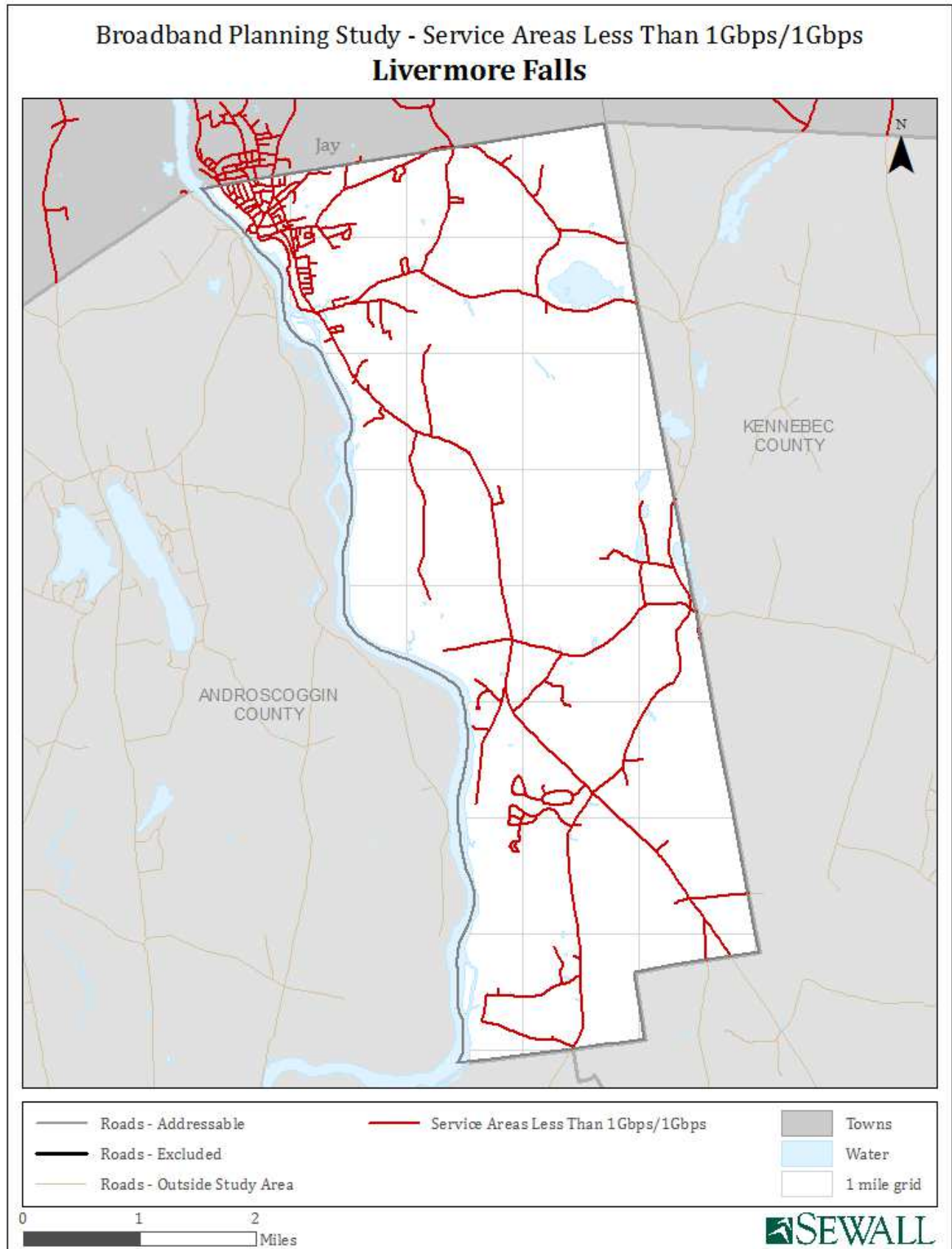
Livermore Falls Existing Phone Fiber Map 2



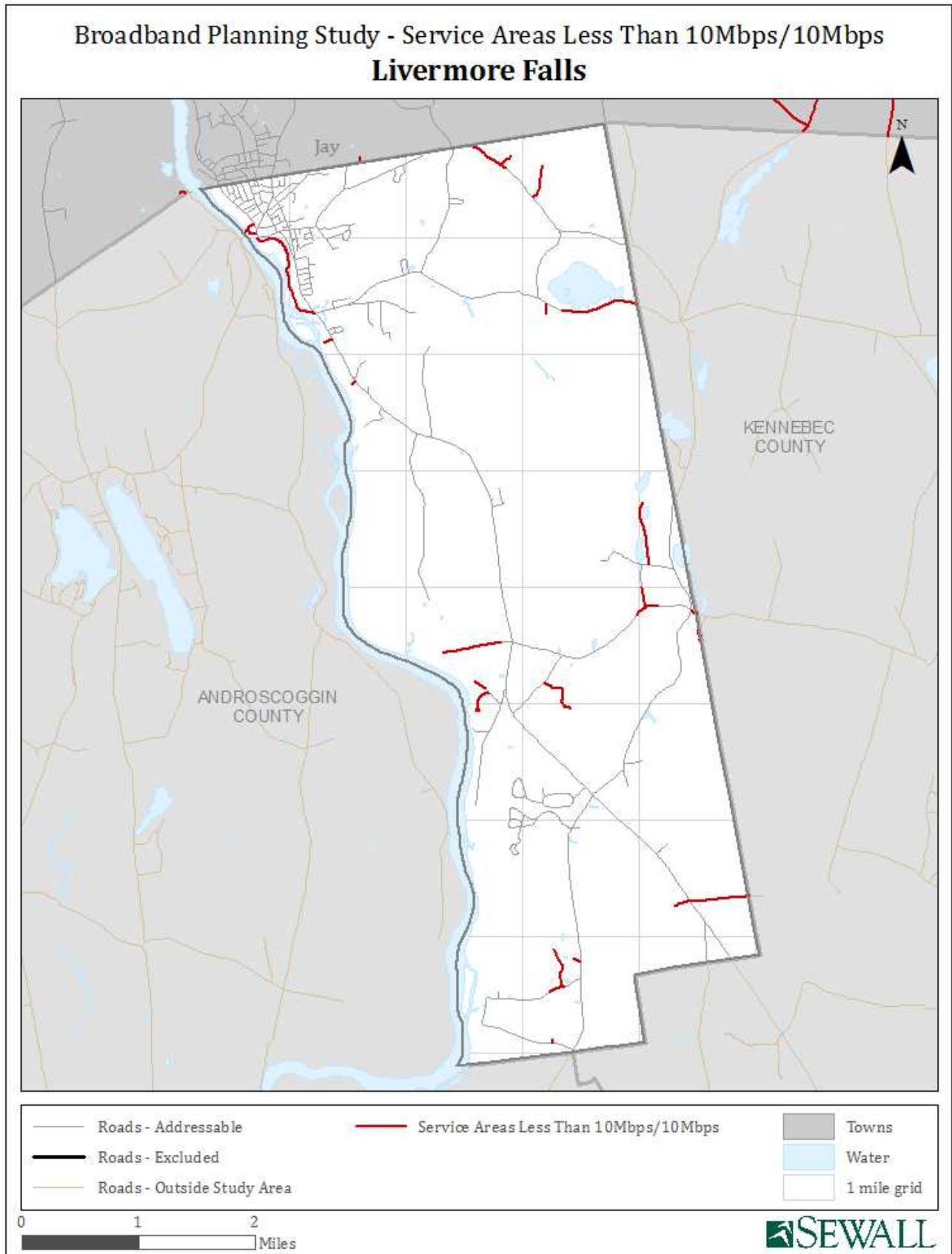
Livermore Falls Hybrid Fiber/Coax Infrastructure Map 5



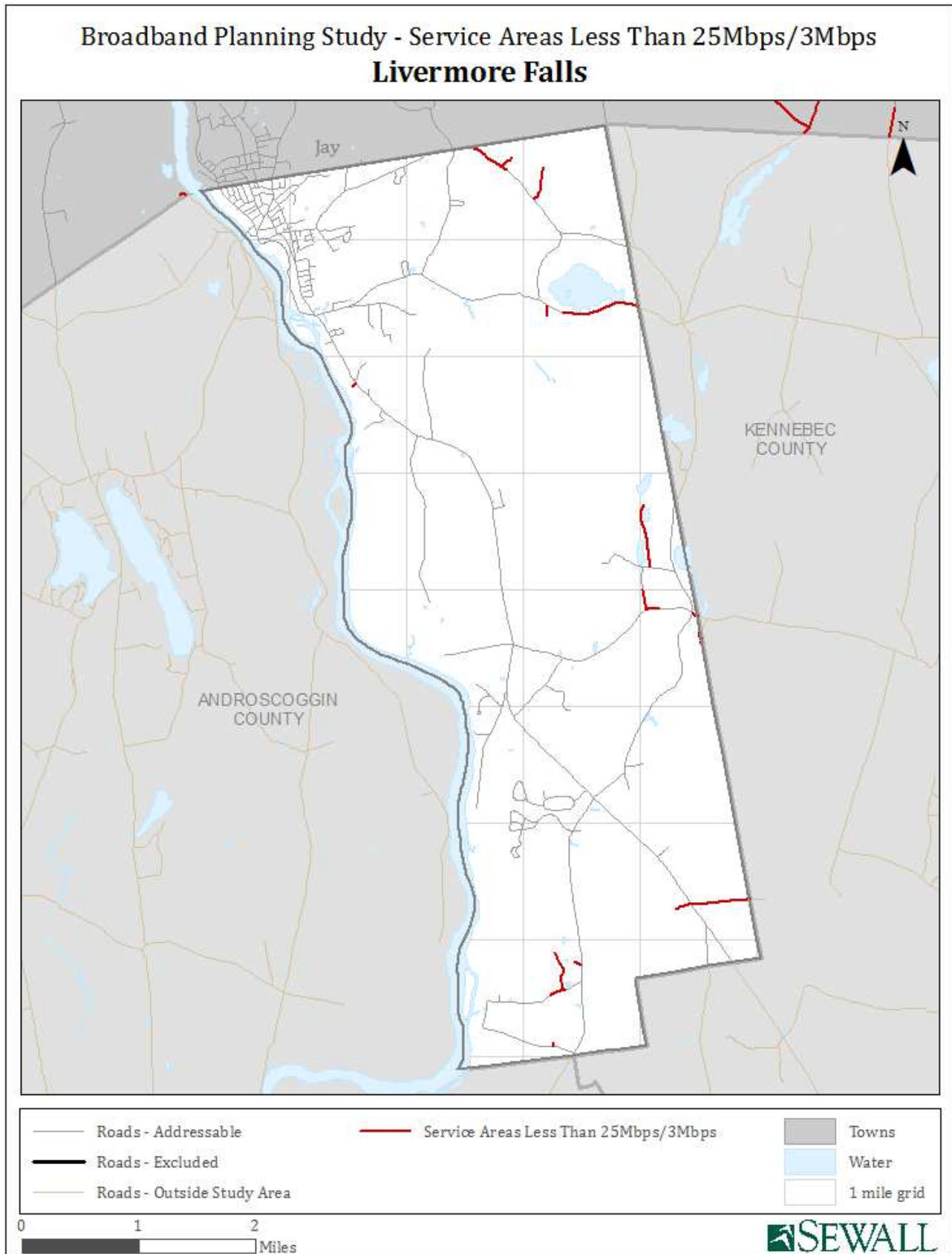
Livermore Falls Service Areas less than 1 Gbps/1 Gbps Map 6



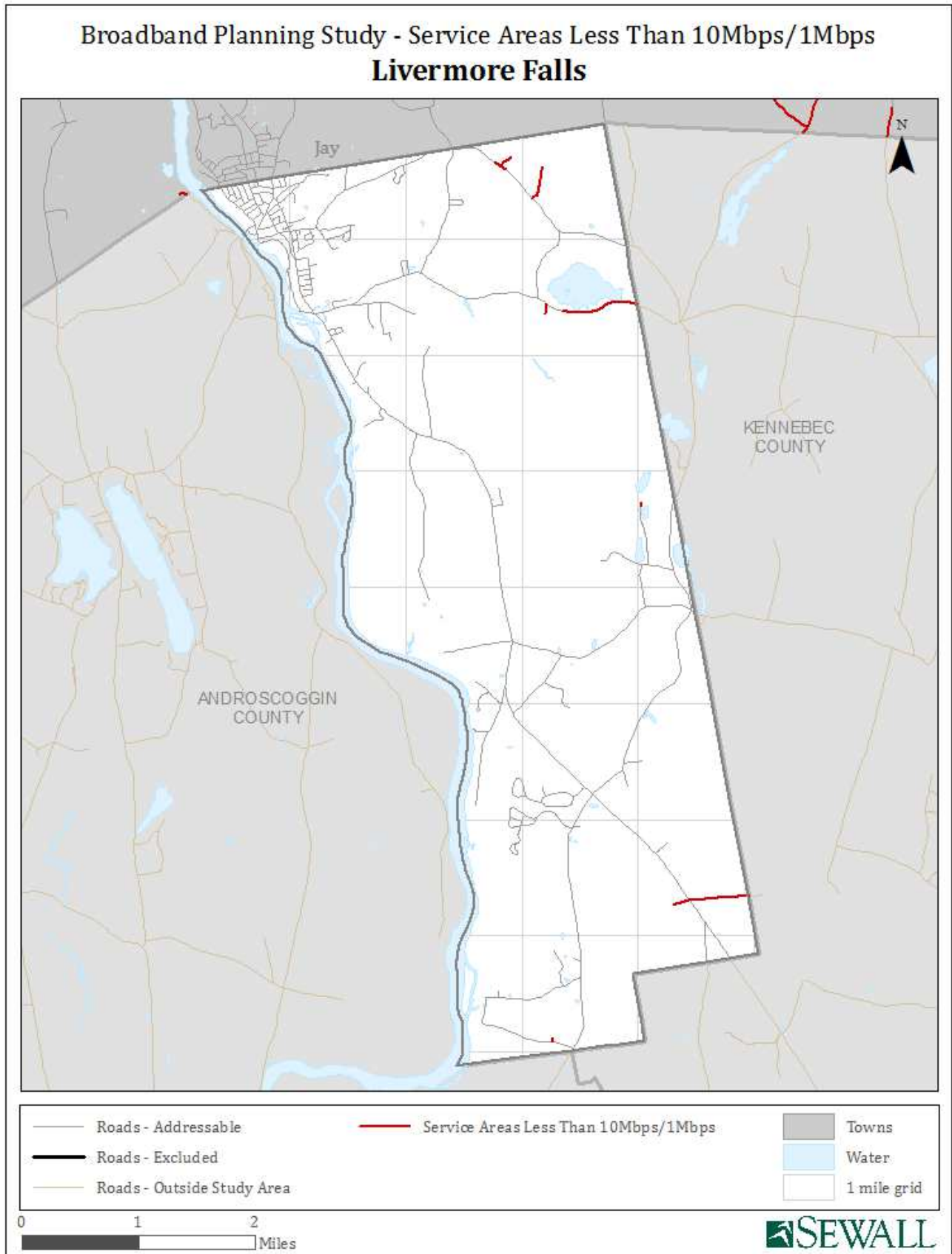
Livermore Falls Service Areas less than 10 Mbps/10 Mbps Map 7



Livermore Falls Service Areas less than 25 Mbps/3 Mbps Map 8

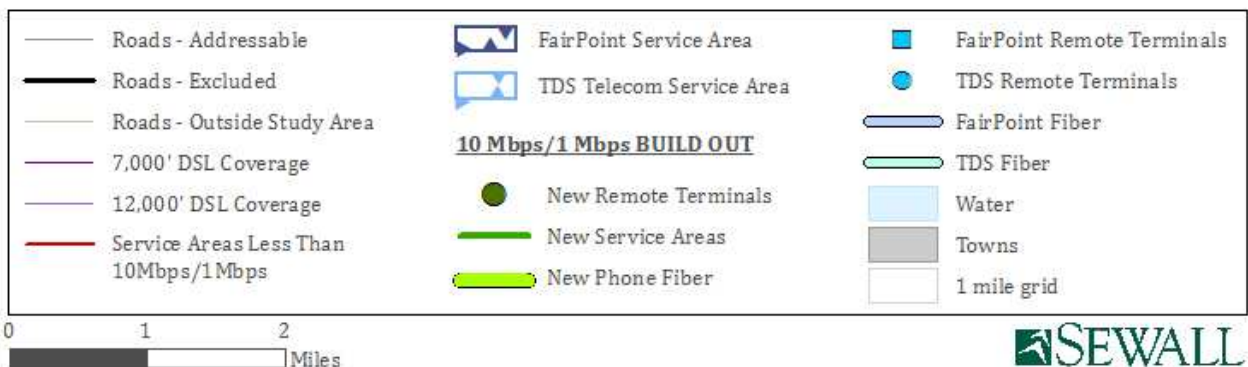
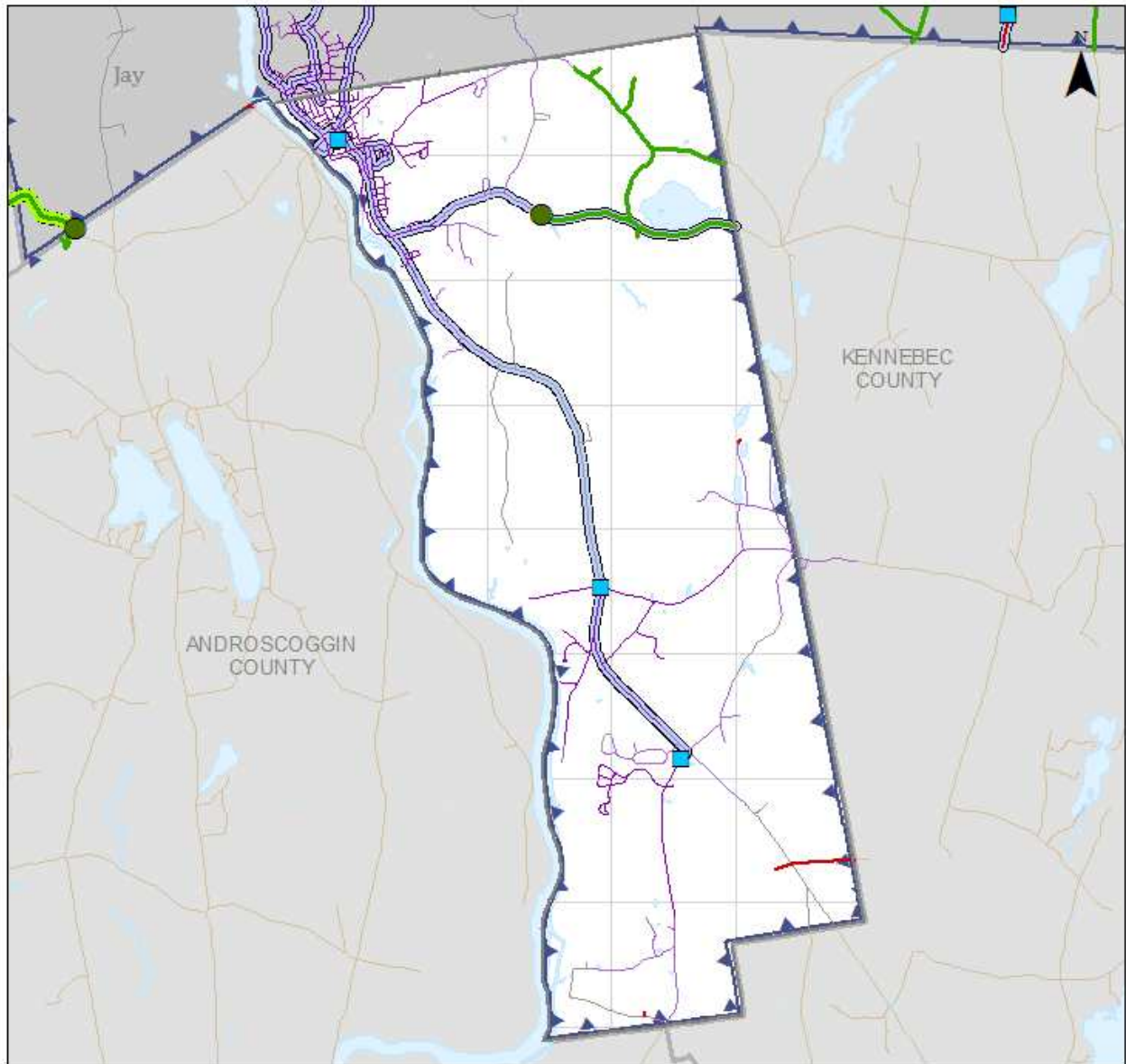


Livermore Falls Service Areas less than 10 Mbps/1 Mbps Map 9



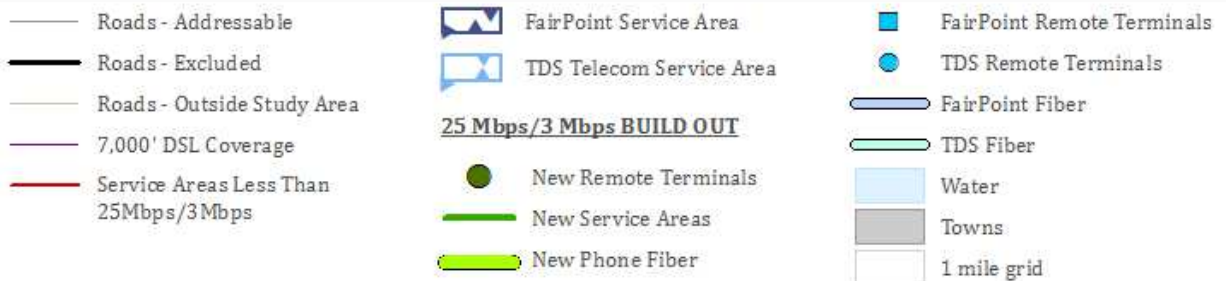
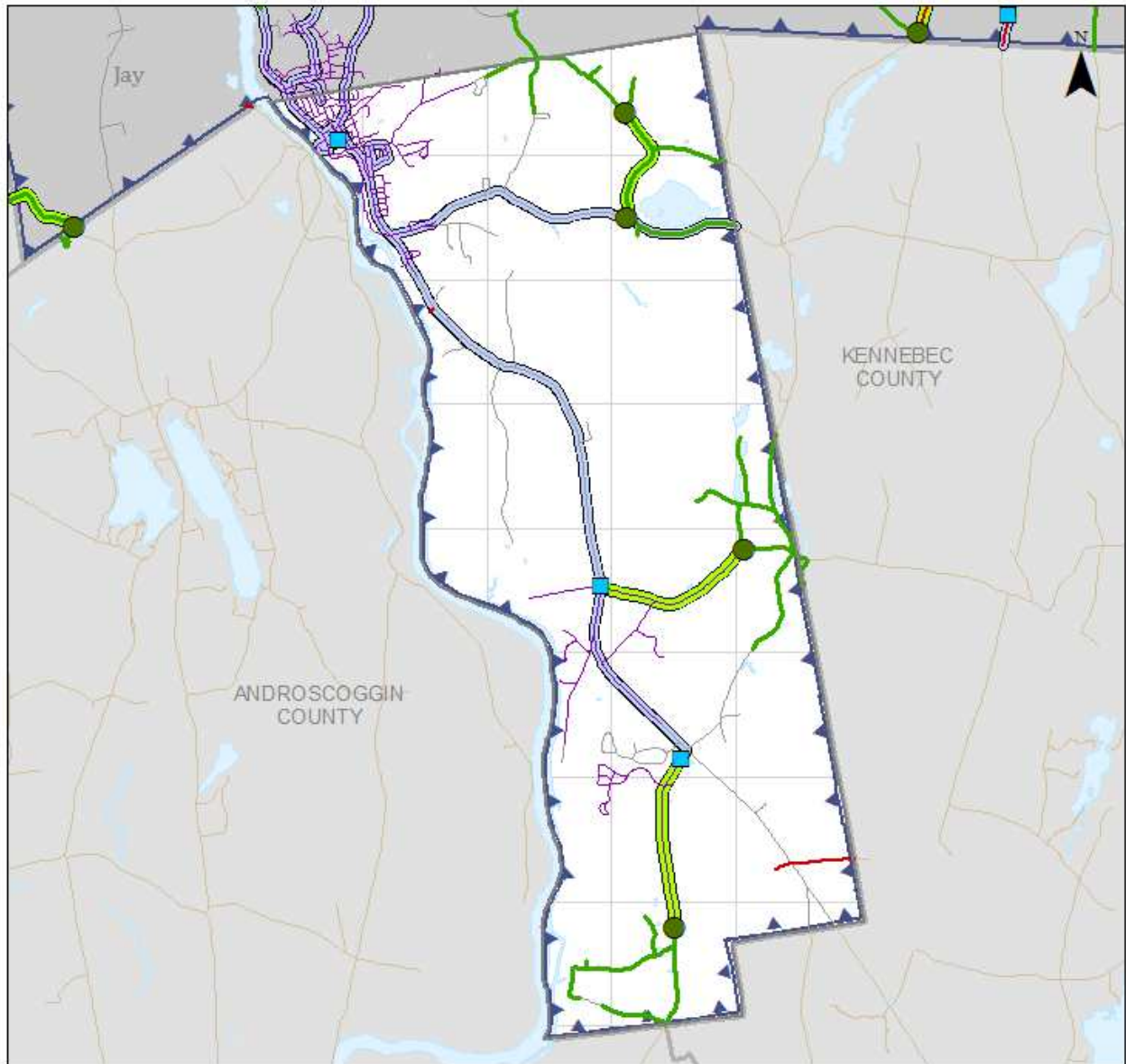
Livermore Falls Design for Universal Minimum 10 Mbps/1 Mbps Map 10

Broadband Planning Study - Design for Universal Minimum 10Mbps/1Mbps Livermore Falls



Livermore Falls Design for Universal Minimum 25 Mbps/3 Mbps Map 11

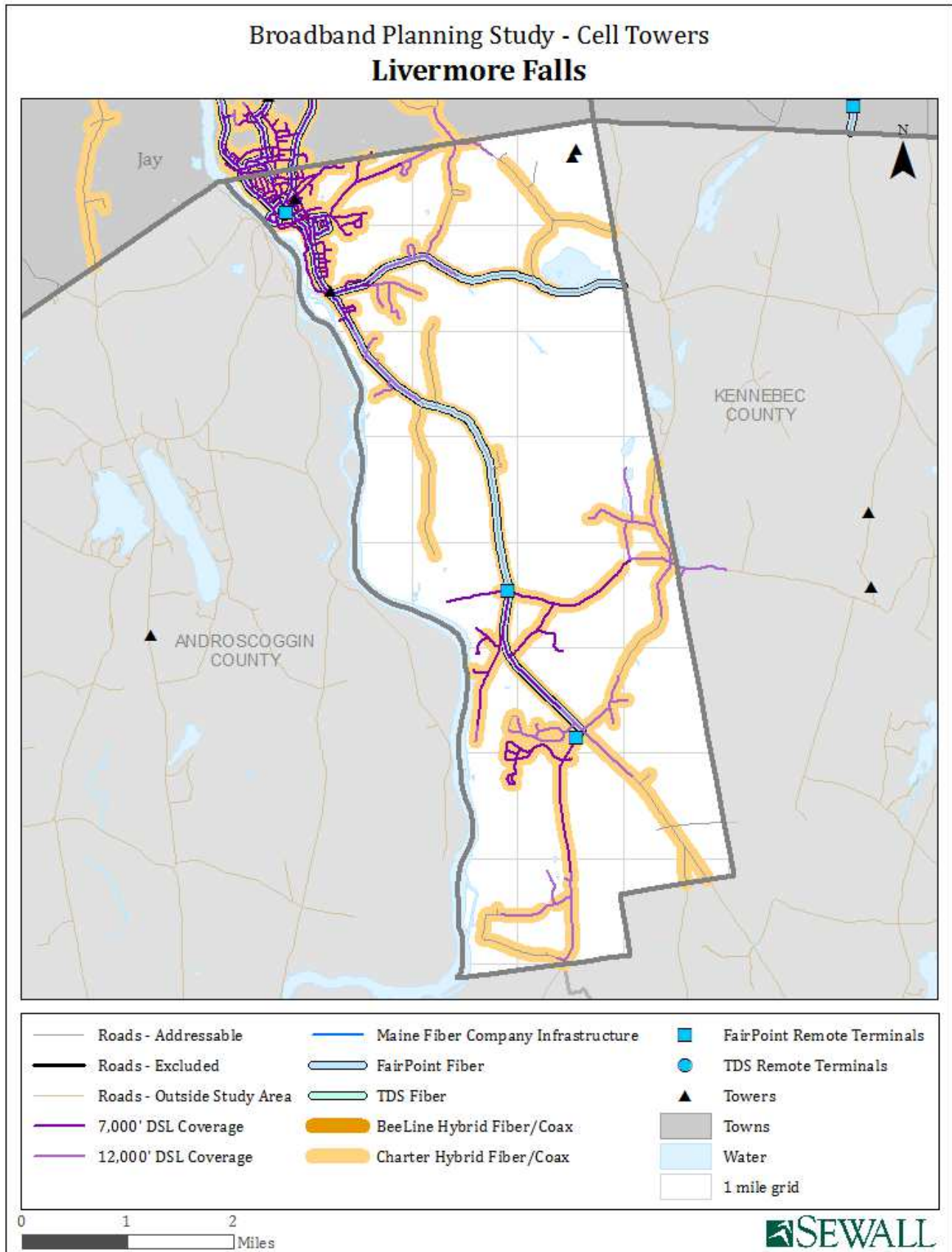
Broadband Planning Study - Design for Universal Minimum 25Mbps/3Mbps Livermore Falls



0 1 2
Miles

SEWALL

Livermore Falls Cell Towers Map 12



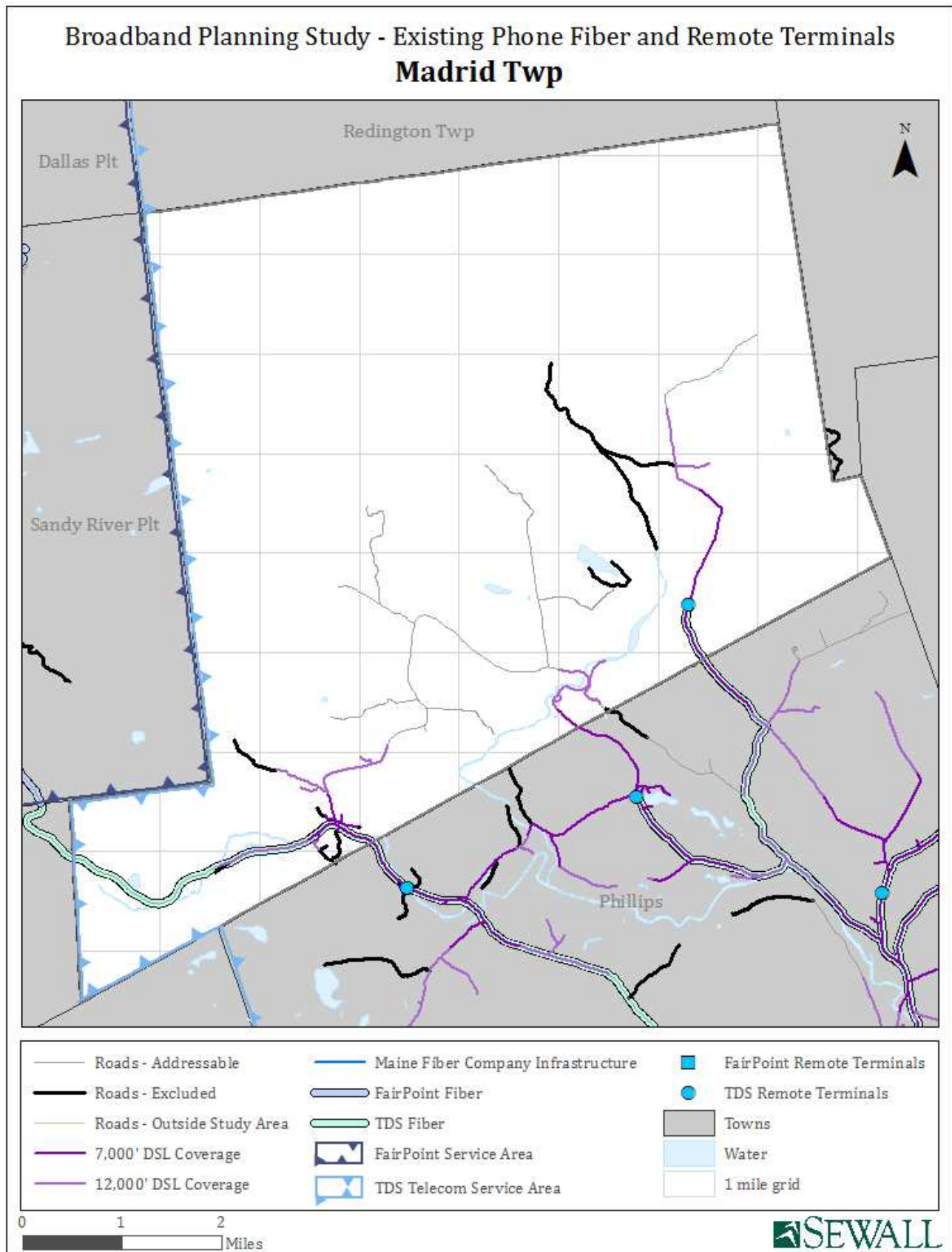
C-21 Madrid Twp

Special Considerations

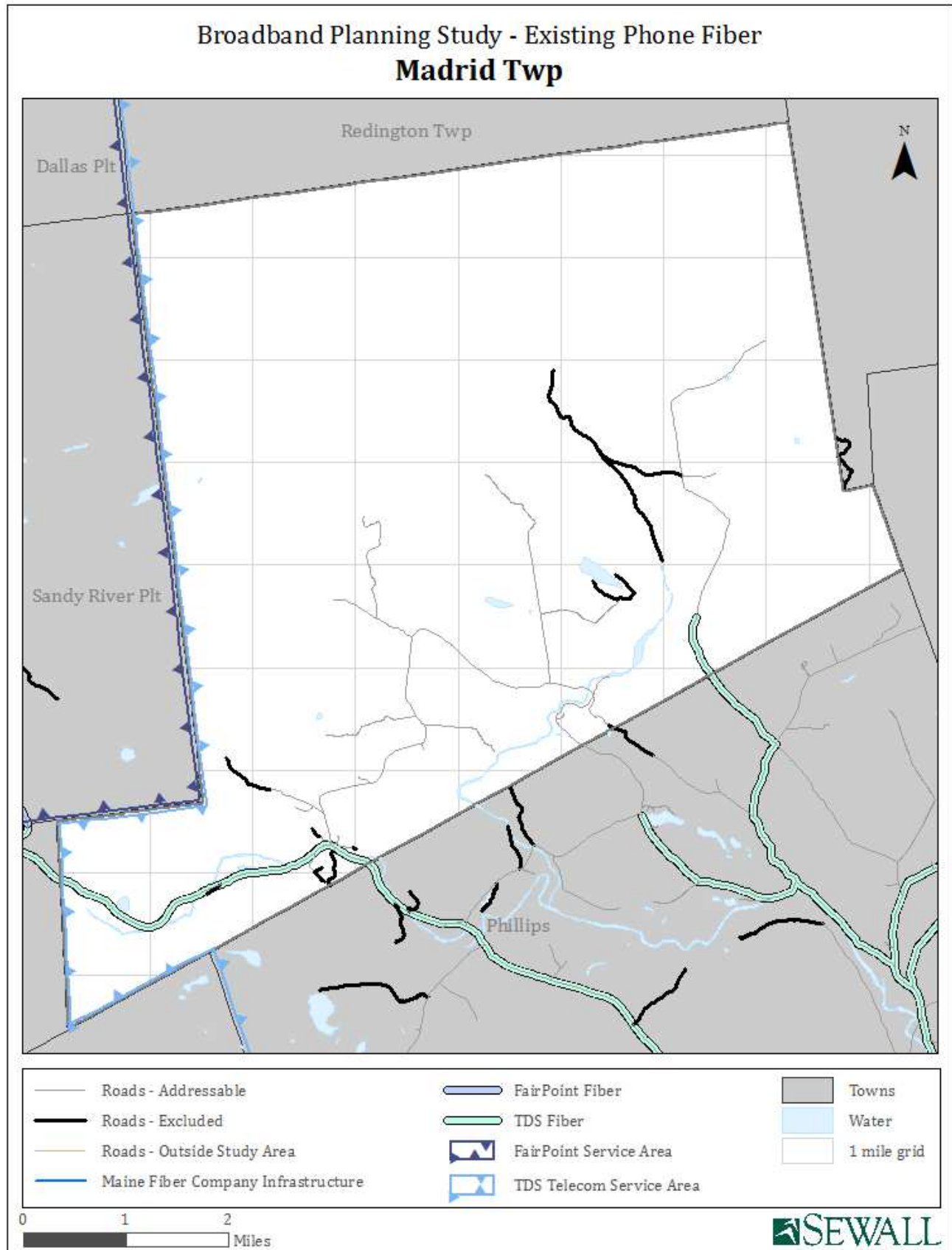
None

Madrid Township				
Statistical Data	Cost	Unit	Madrid Twp	Study Area Totals
911 Addresses			179	22,824
Total Road Mileage			29.0	1,637
Phone Fiber Mileage			4.1	336
Hybrid Fiber/Coax Mileage			-	451
1G/1G FTTT Gap Miles	\$40,000	mile	23.4	1,363
1G/1G FTTT 911 Addresses	\$ 700	sub	156	22,500
<i>Potential Subscribers per mile</i>			7	17
Total Cost			\$1,046,437	\$70,258,775
<i>Per Potential Subscriber</i>			\$6,708	\$3,123
<i>Per Mile</i>			\$44,661	\$51,558
10M/10M Gap Miles	\$35,000	mile	23.4	910
10M/10M Gap 911 Addresses	\$ 350	sub	156	8,351
<i>Potential Subscribers per mile</i>			7	9
Total Cost			\$874,682	\$34,776,219
<i>Per Potential Subscriber</i>			\$5,607	\$4,164
<i>Per Mile</i>			\$37,330	\$38,212
Potential private investment			\$291,176	\$15,955,247
Potential public subsidy			\$583,506	\$18,820,972
25M/3M Gap Miles			19.5	650
25M/3M Gap 911 Addresses			104	4,931
25M/3M New RT Quantity	\$25,000		5	270
25M/3M New Fiber Miles	\$25,000		5.9	182
<i>Potential Subscribers per mile</i>			5	8
Total Cost			\$273,233	\$11,305,524
<i>Per Potential Subscriber</i>			\$2,627	\$2,293
Potential private investment			\$72,693	\$4,286,572
Potential public subsidy			\$200,540	\$7,018,952
10M/1M Gap Miles			13.6	407
10M/1M Gap 911 Addresses			44	2,925
10M/1M New RT Quantity	\$25,000		2	93
10M/1M New Fiber Miles	\$25,000		1.8	74
<i>Potential Subscribers per mile</i>			3	7
Total Cost			\$94,817	\$4,167,973
<i>Per Potential Subscriber</i>			\$2,155	\$1,425
Potential private investment			\$15,336	\$1,497,587
Potential public subsidy			\$79,481	\$2,670,386
CAF-II Funded Locations			-	2,429
A-CAM Funded Locations			208	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$14,040	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$15,464	\$899,395
Insurance	\$183	mile	\$4,299	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$4,686	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$1,950	\$281,250
Administration	\$30	sub	\$2,340	\$337,500
Total Operating Expense			\$28,739	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			(\$14,699)	(\$15,689)

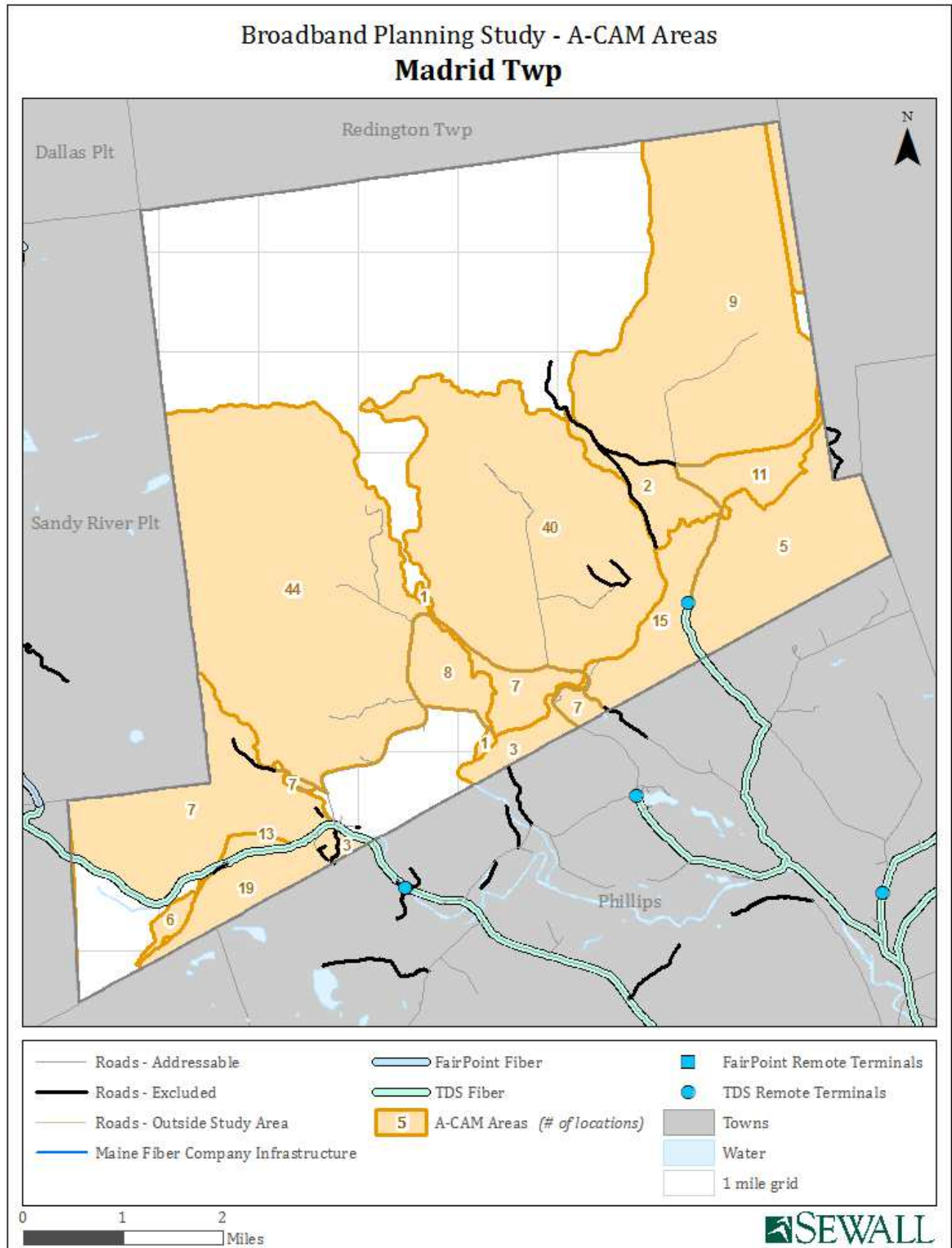
Madrid Twp Existing Phone Fiber & Remote Terminals Map 1



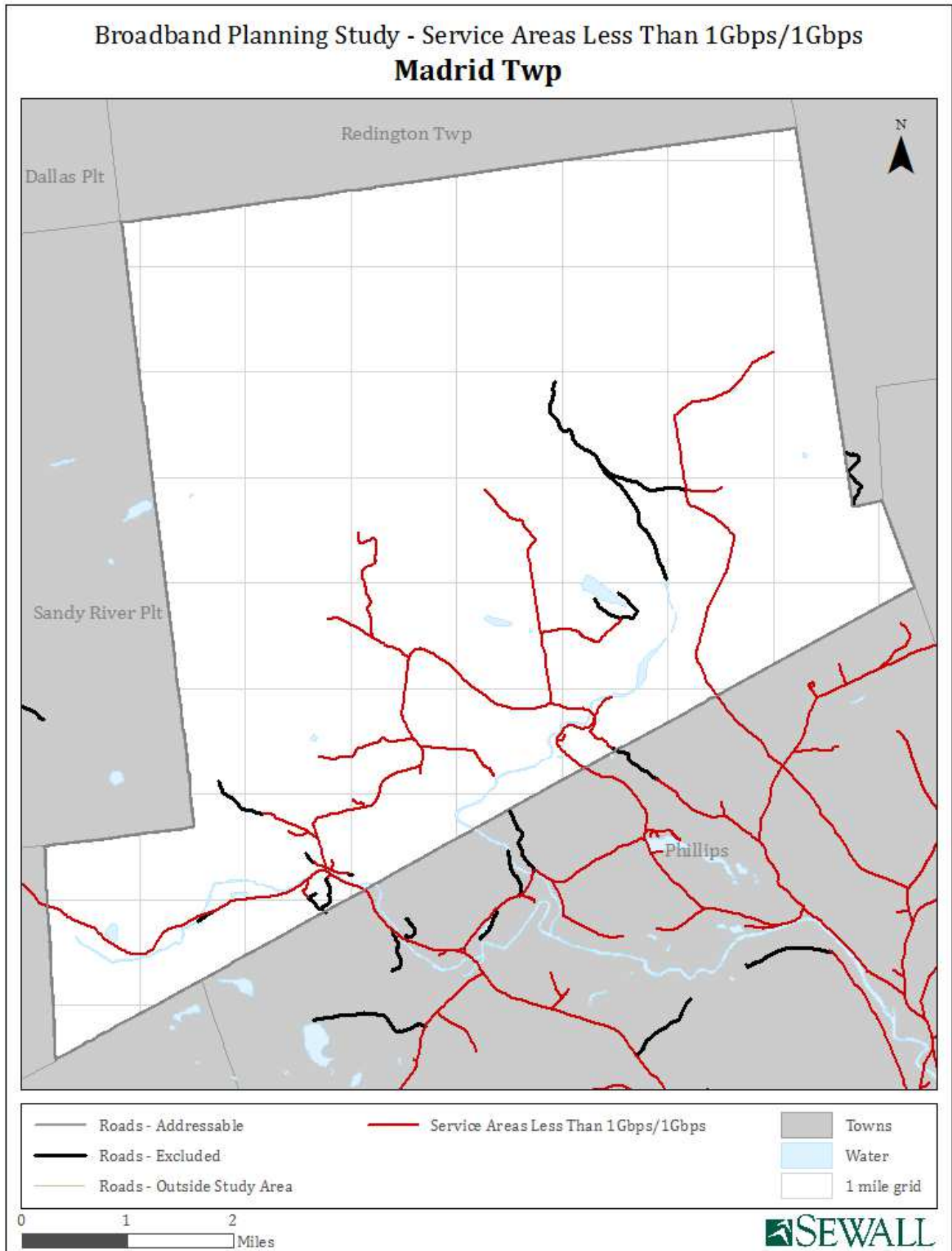
Madrid Twp Existing Phone Fiber Map 2



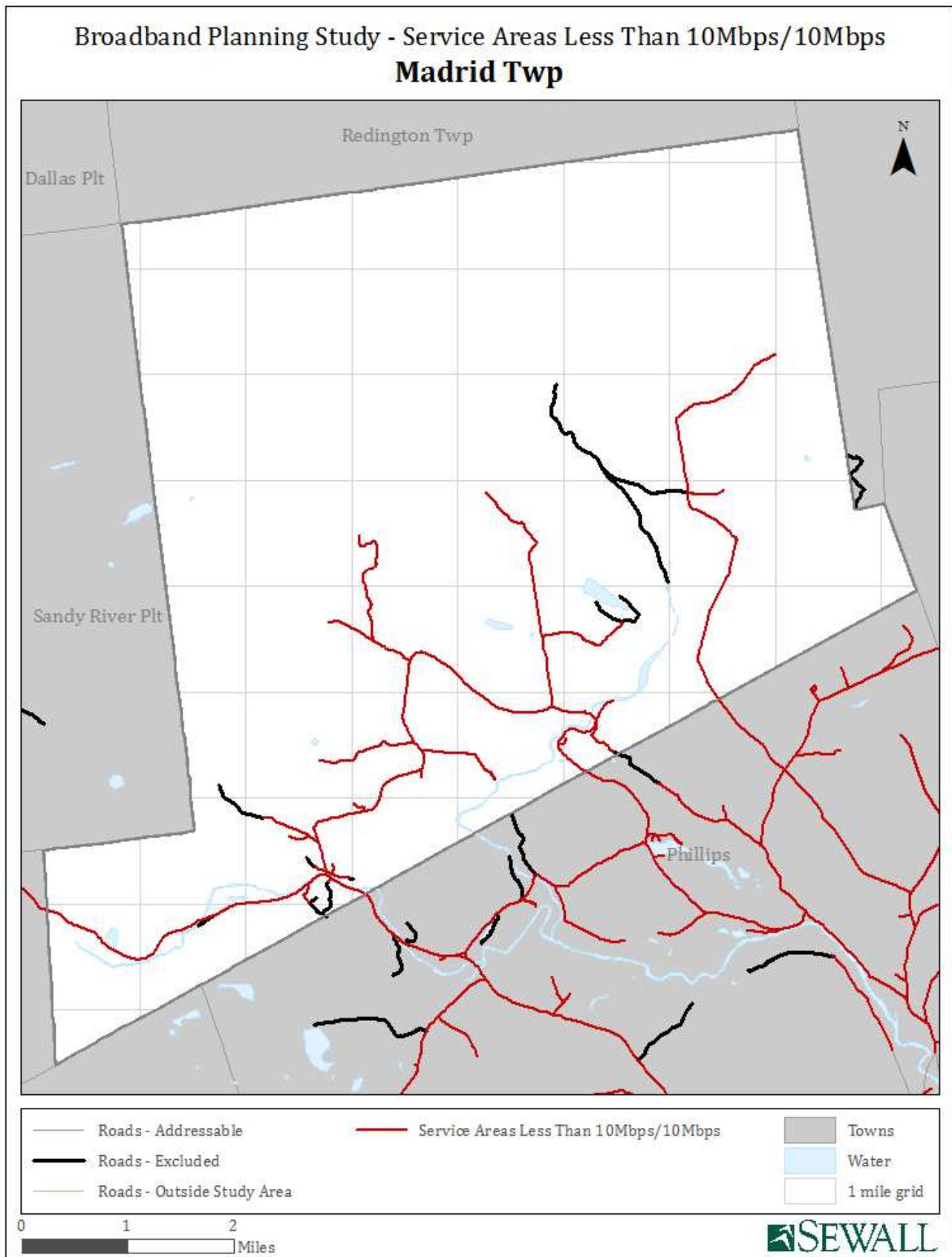
Madrid Twp A-CAM Map 4



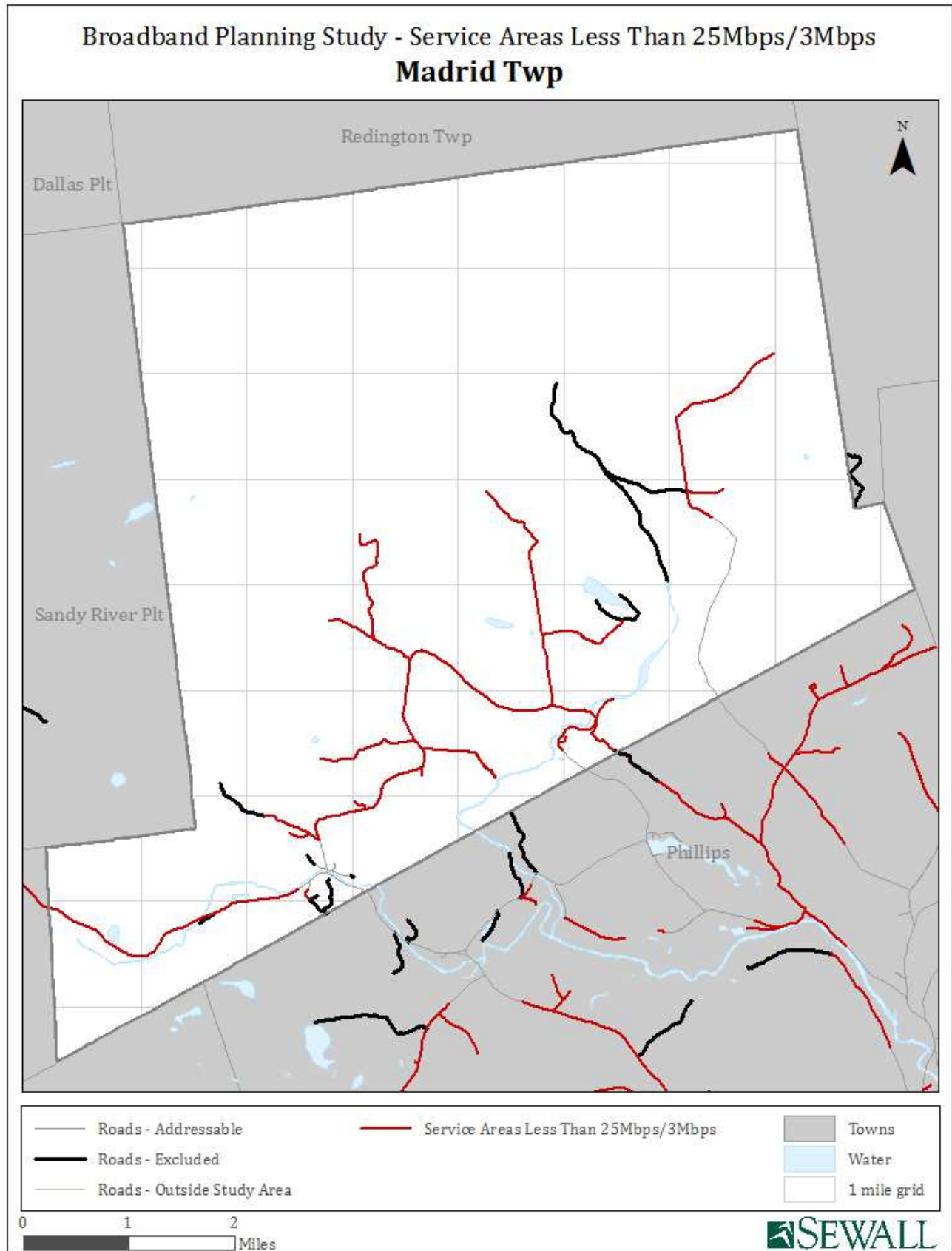
Madrid Twp Service Areas less than 1 Gbps/1 Gbps Map 6



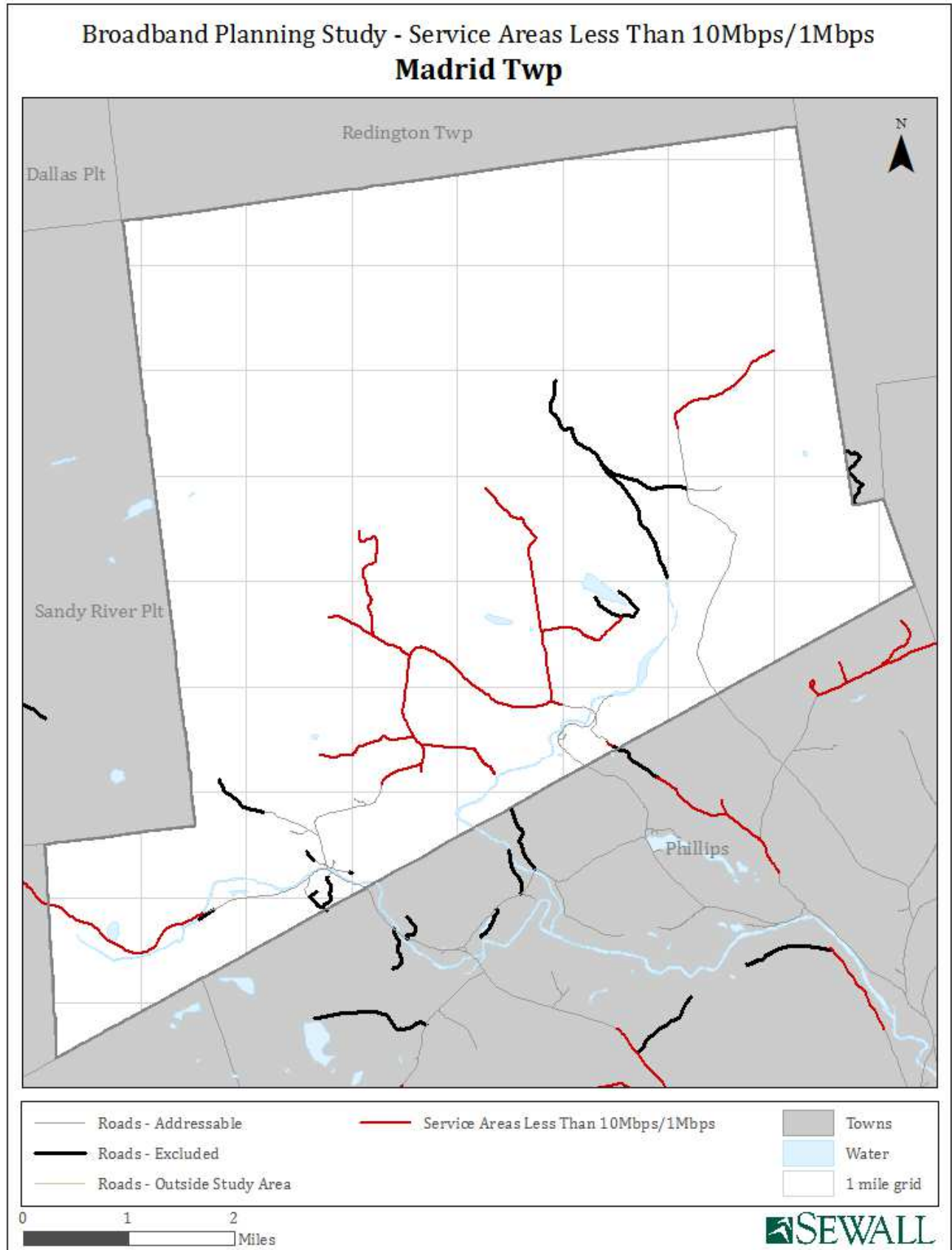
Madrid Twp Service Areas less than 10 Mbps/10 Mbps Map 7



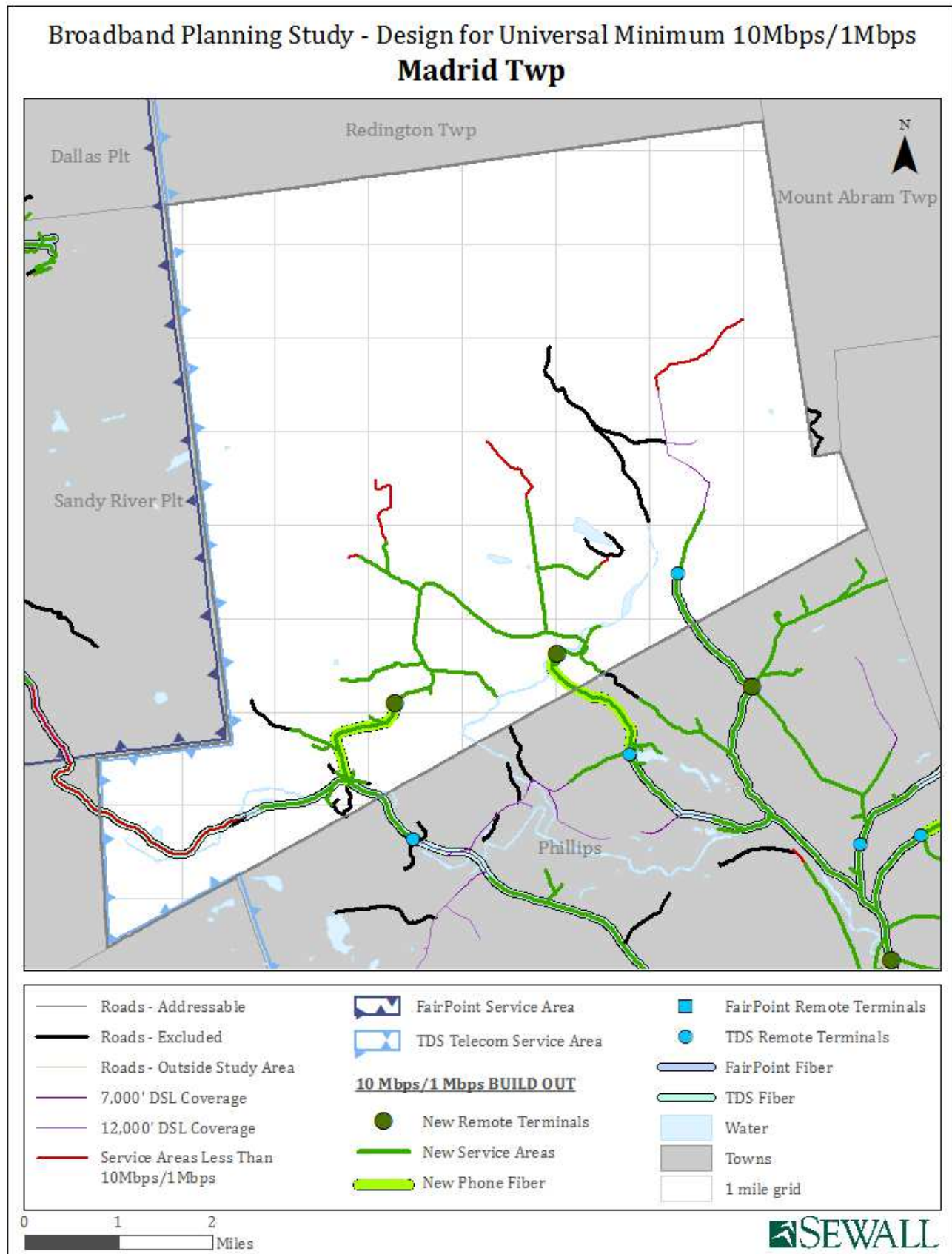
Madrid Twp Service Areas less than 25 Mbps/3 Mbps Map 8



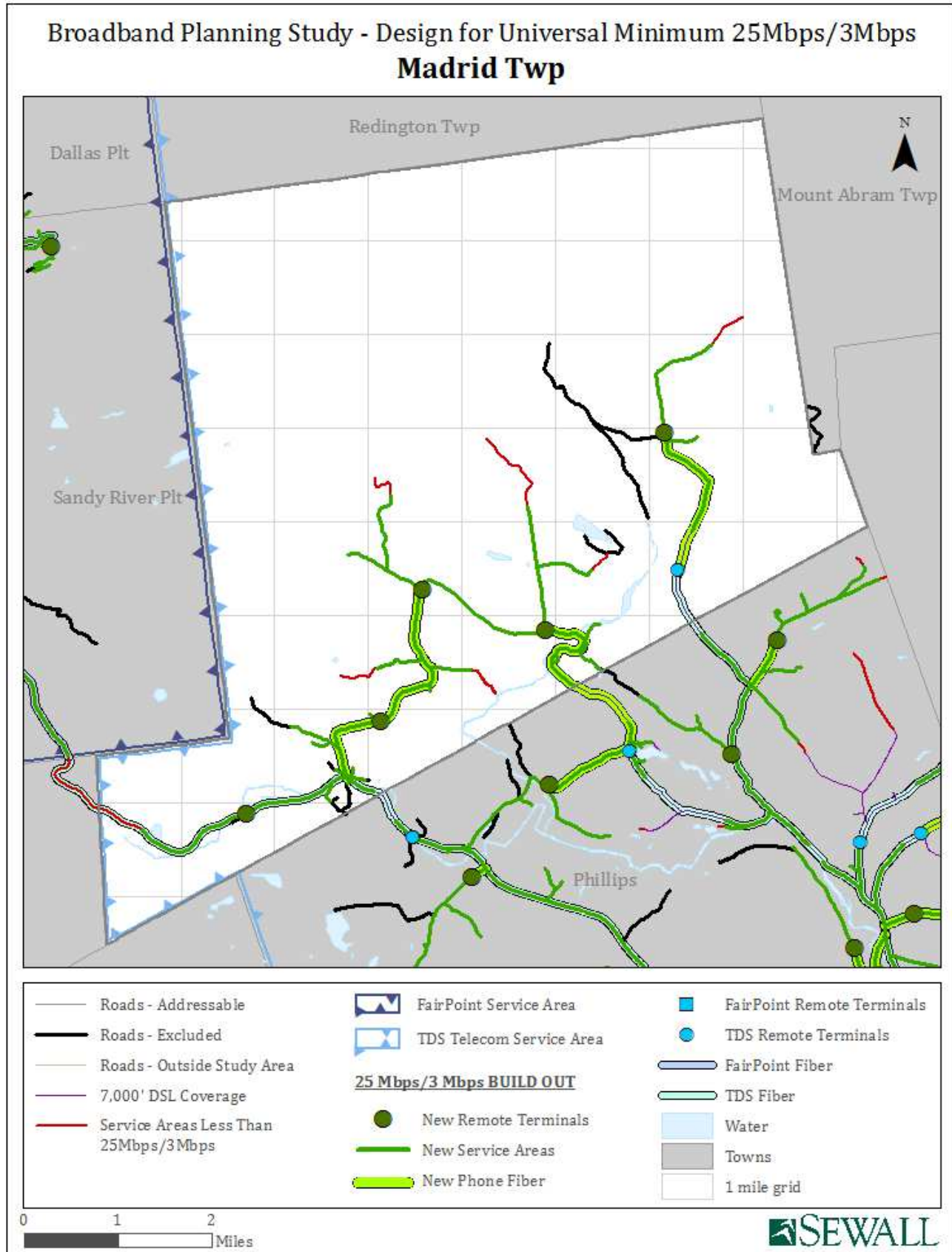
Madrid Twp Service Areas less than 10 Mbps/1 Mbps Map 9



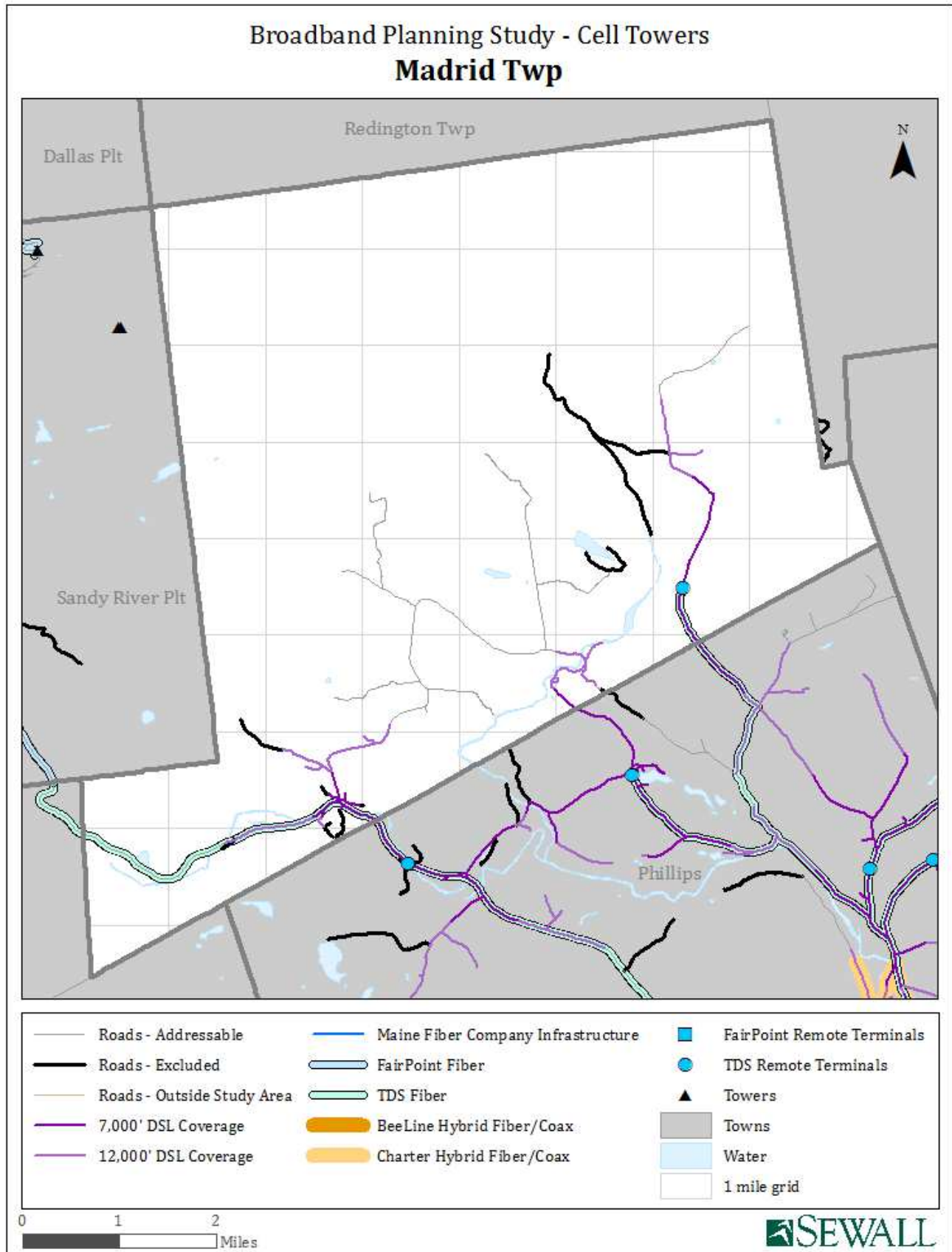
Madrid Twp Design for Universal Minimum 10 Mbps/1 Mbps Map 10



Madrid Twp Design for Universal Minimum 25 Mbps/3 Mbps Map 11



Madrid Twp Cell Towers Map 12



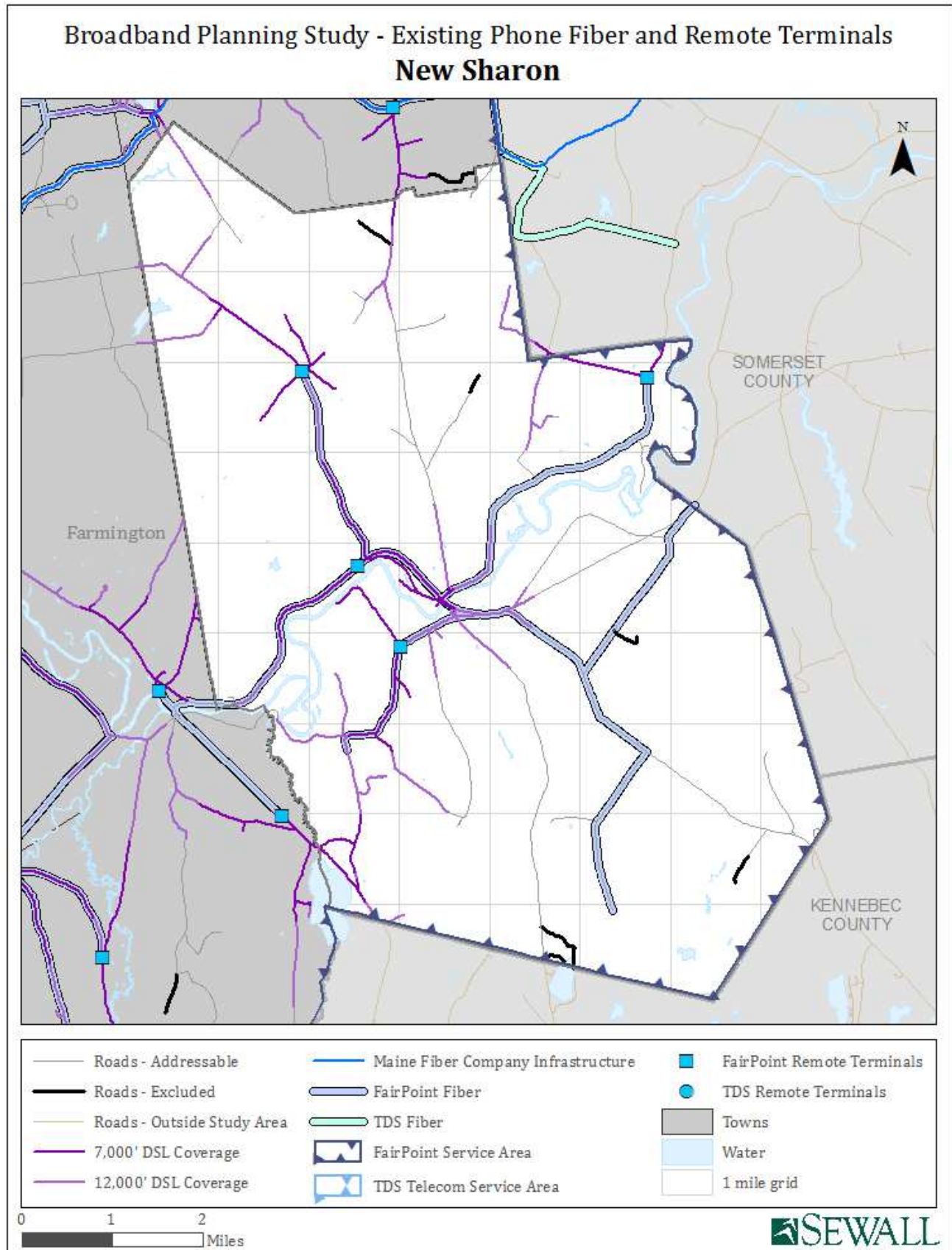
C-22 New Sharon

Special Considerations

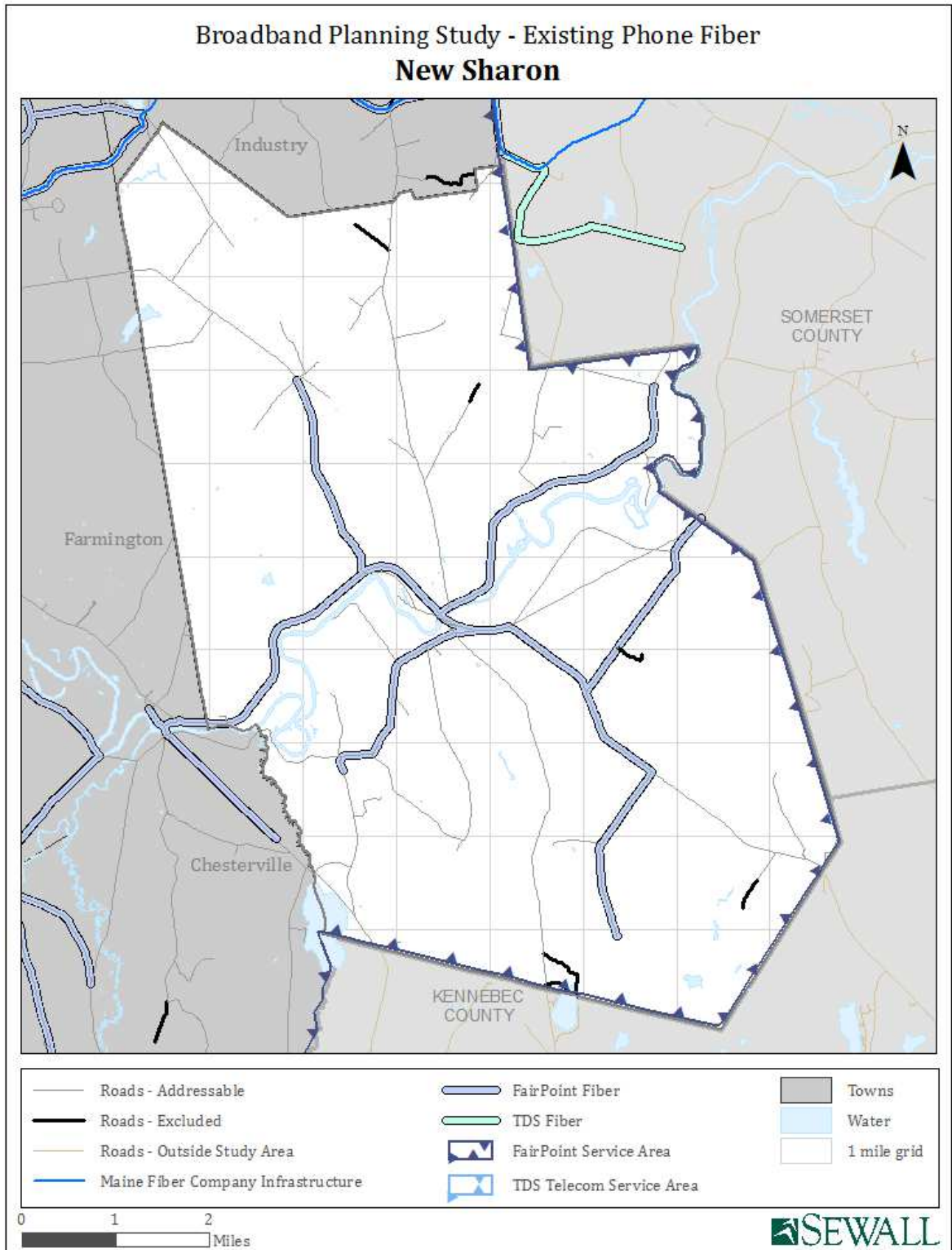
None

New Sharon				
Statistical Data	Cost	Unit	New Sharon	Study Area Totals
911 Addresses			750	22,824
Total Road Mileage			68.6	1,637
Phone Fiber Mileage			19.5	336
Hybrid Fiber/Coax Mileage			-	451
1G/1G FTTP Gap Miles	\$40,000	mile	66.2	1,363
1G/1G FTTP 911 Addresses	\$ 700	sub	744	22,500
<i>Potential Subscribers per mile</i>			11	17
Total Cost			\$3,170,193	\$70,258,775
<i>Per Potential Subscriber</i>			\$4,261	\$3,123
<i>Per Mile</i>			\$47,863	\$51,558
10M/10M Gap Miles	\$35,000	mile	66.2	910
10M/10M Gap 911 Addresses	\$ 350	sub	744	8,351
<i>Potential Subscribers per mile</i>			11	9
Total Cost			\$2,578,618	\$34,776,219
<i>Per Potential Subscriber</i>			\$3,466	\$4,164
<i>Per Mile</i>			\$38,931	\$38,212
Potential private investment			\$1,448,251	\$15,955,247
Potential public subsidy			\$1,130,368	\$18,820,972
25M/3M Gap Miles			50.0	650
25M/3M Gap 911 Addresses			549	4,931
25M/3M New RT Quantity	\$25,000		24	270
25M/3M New Fiber Miles	\$25,000		13.4	182
<i>Potential Subscribers per mile</i>			11	8
Total Cost			\$934,178	\$11,305,524
<i>Per Potential Subscriber</i>			\$1,702	\$2,293
Potential private investment			\$513,129	\$4,286,572
Potential public subsidy			\$421,049	\$7,018,952
10M/1M Gap Miles			30.8	407
10M/1M Gap 911 Addresses			284	2,925
10M/1M New RT Quantity	\$25,000		10	93
10M/1M New Fiber Miles	\$25,000		7.4	74
<i>Potential Subscribers per mile</i>			9	7
Total Cost			\$435,934	\$4,167,973
<i>Per Potential Subscriber</i>			\$1,535	\$1,425
Potential private investment			\$201,078	\$1,497,587
Potential public subsidy			\$234,856	\$2,670,386
CAF-II Funded Locations			299	2,429
A-CAM Funded Locations			-	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$66,960	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$43,715	\$899,395
Insurance	\$183	mile	\$12,151	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$13,247	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$9,300	\$281,250
Administration	\$30	sub	\$11,160	\$337,500
Total Operating Expense			\$89,573	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			(\$22,613)	(\$15,689)

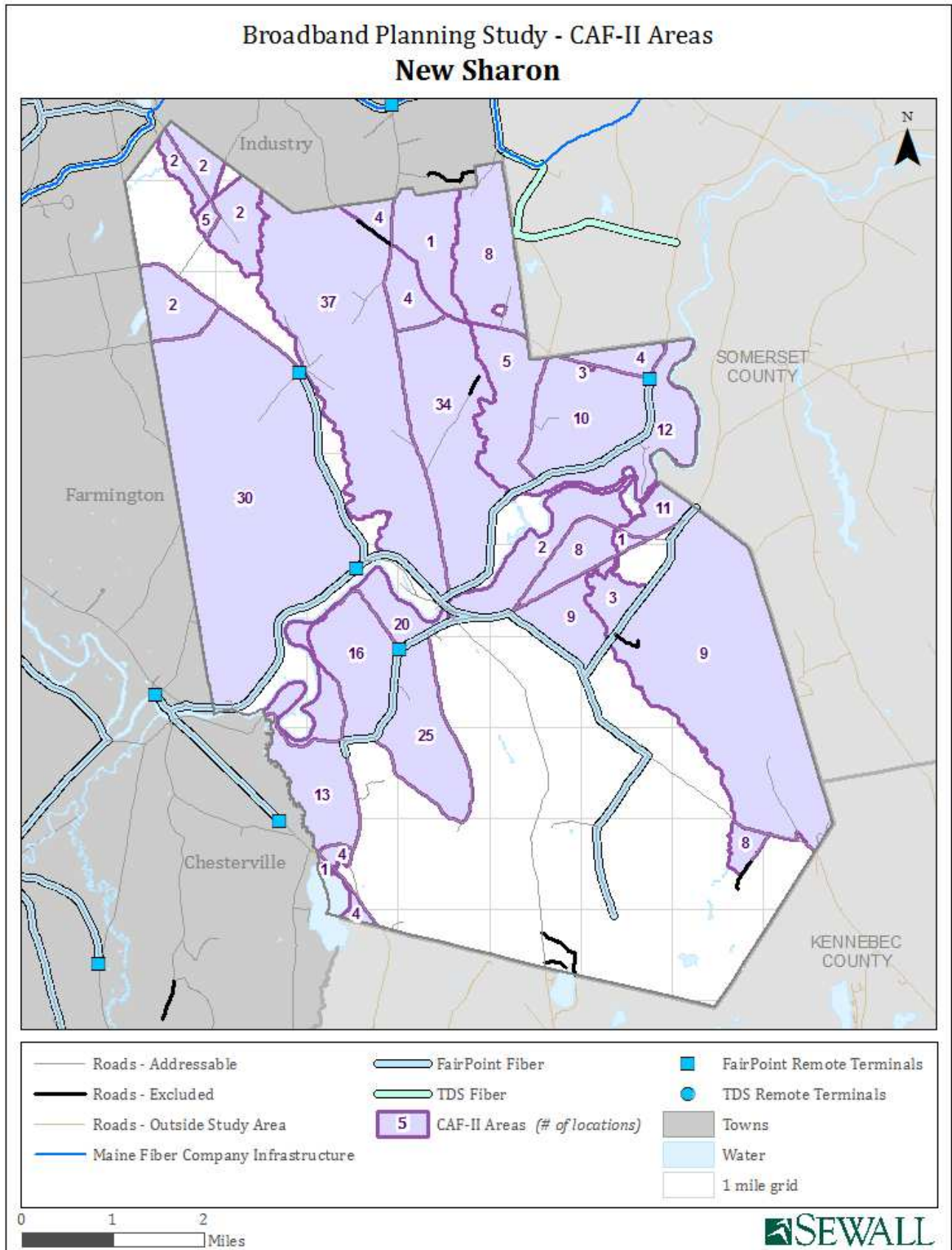
New Sharon Existing Phone Fiber & Remote Terminals Map 1



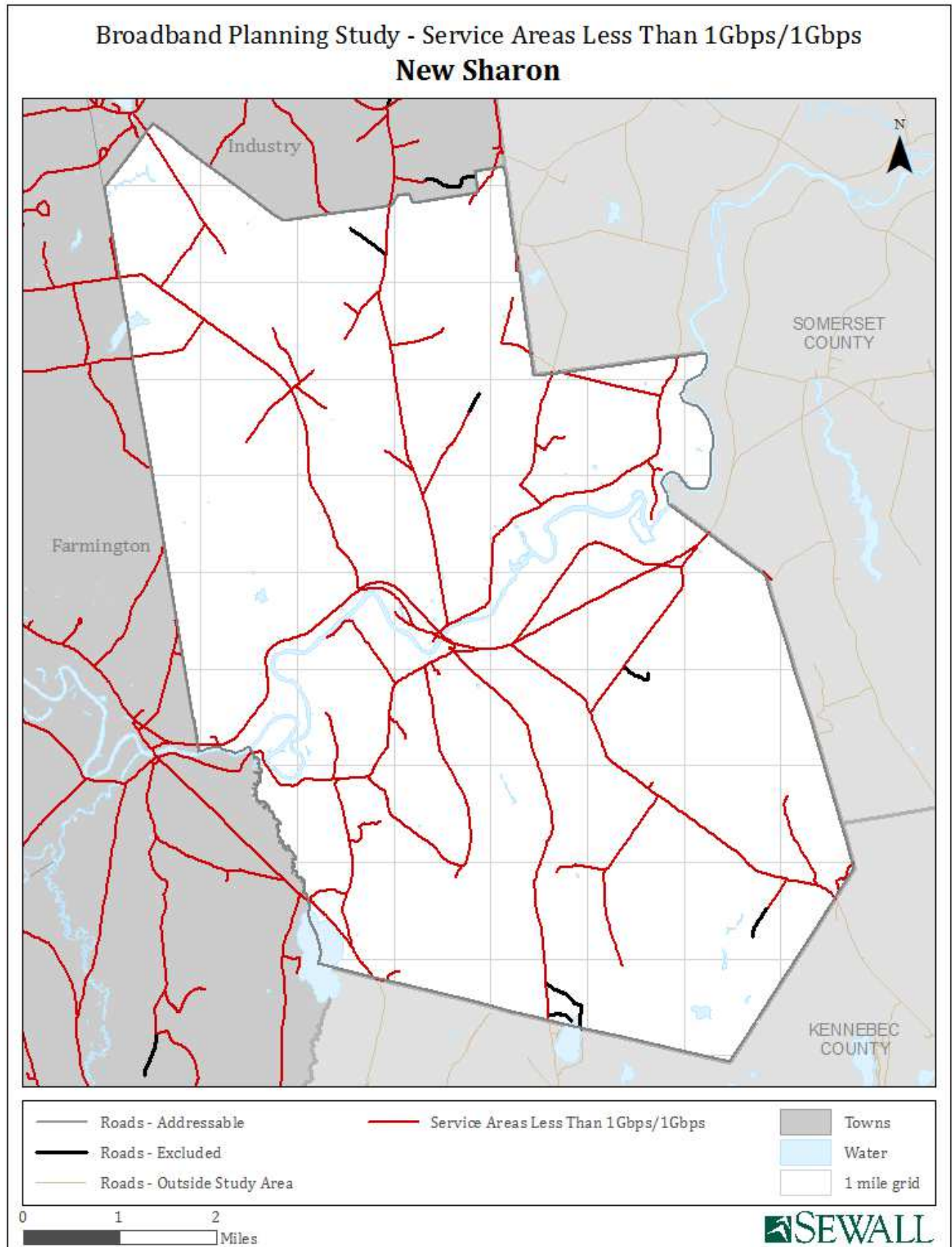
New Sharon Existing Phone Fiber Map 2



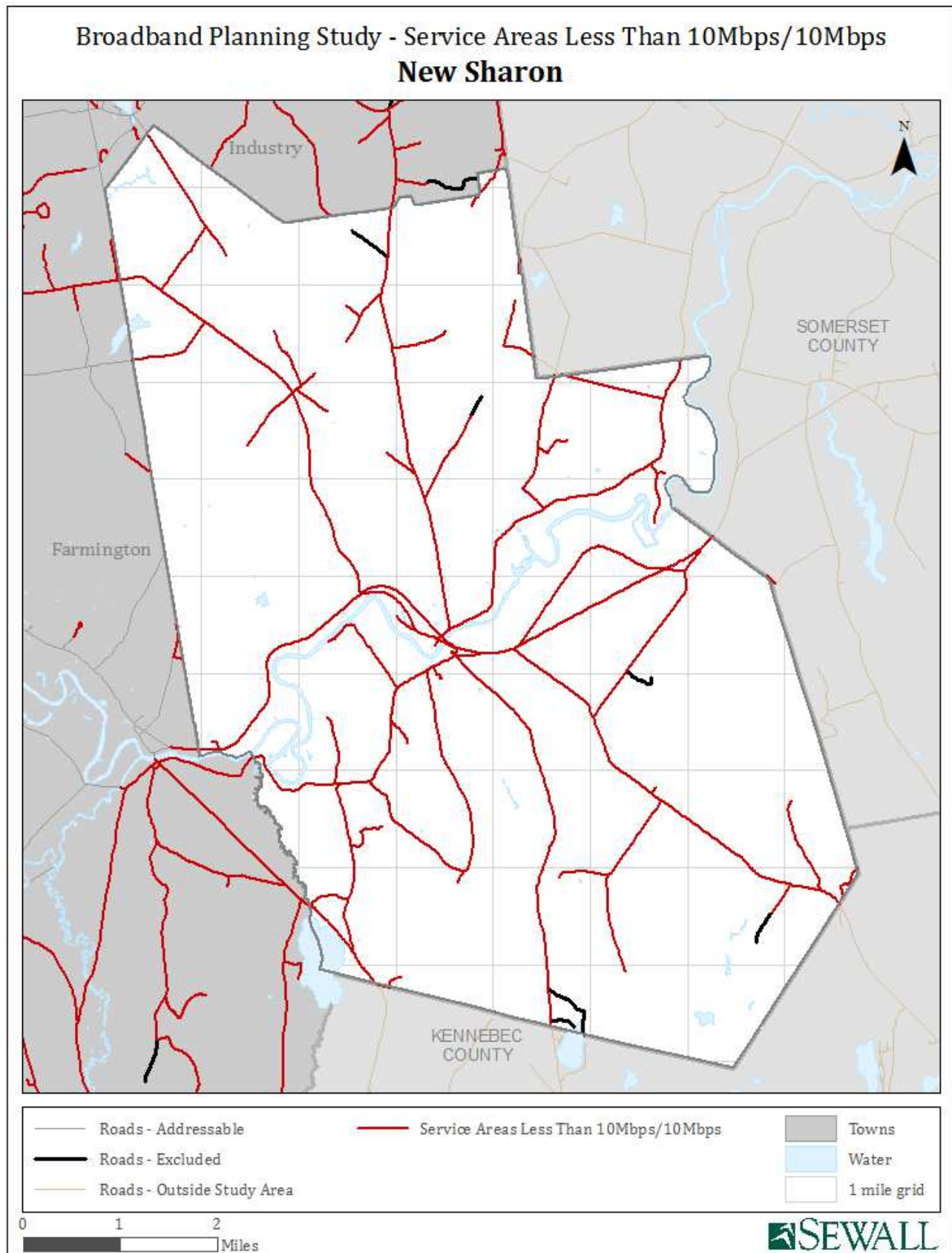
New Sharon CAF-II Map 3



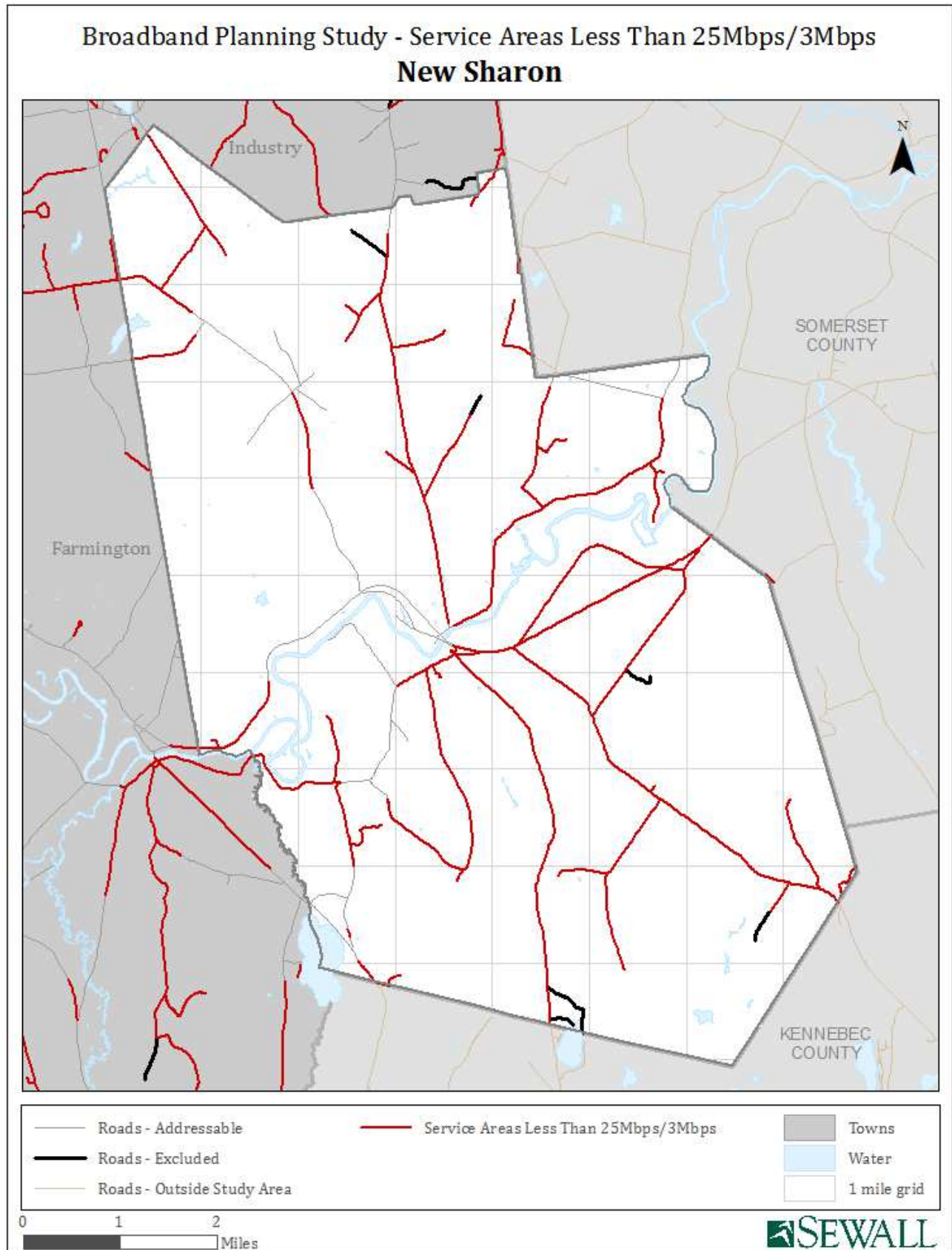
New Sharon Service Areas less than 1 Gbps/1 Gbps Map 6



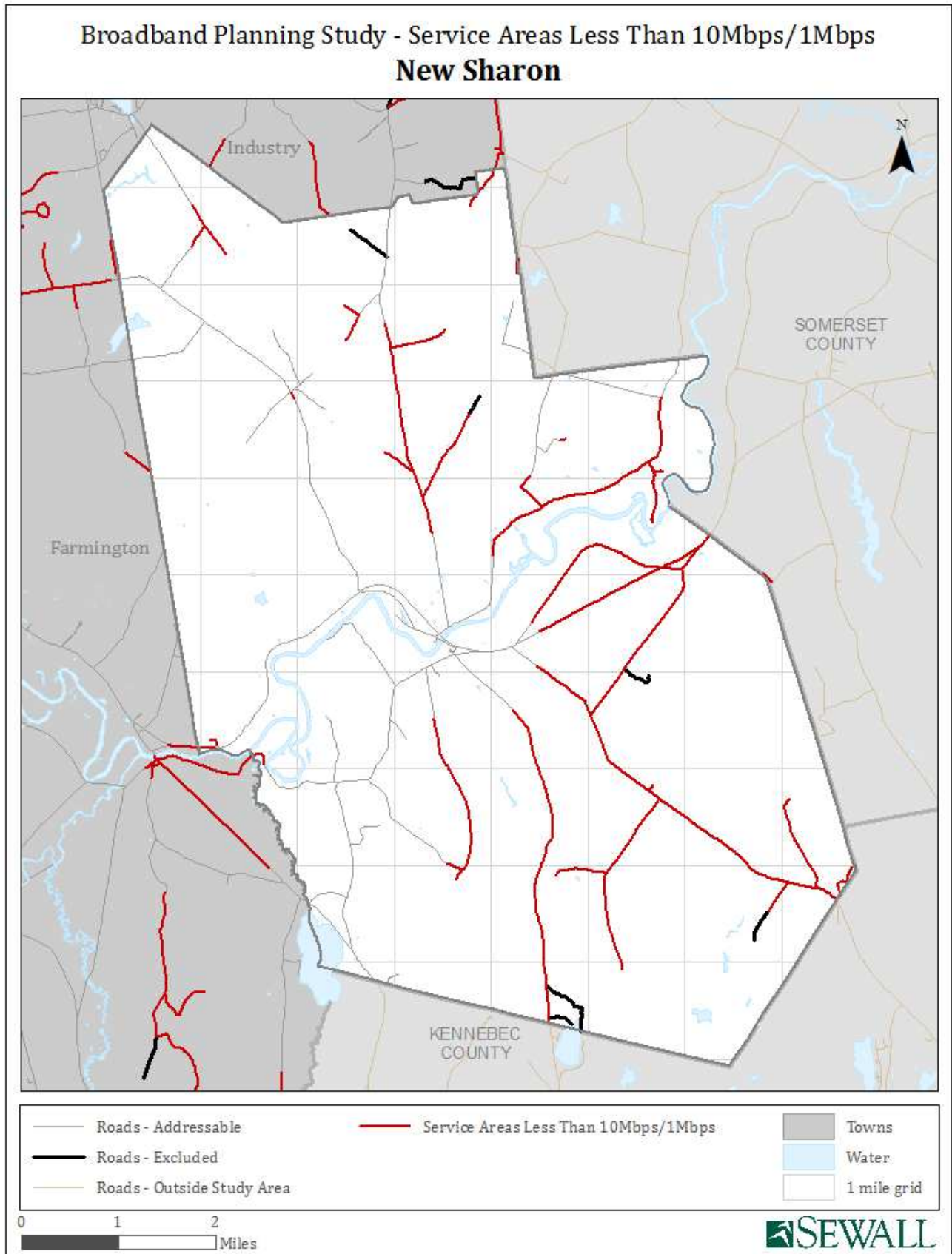
New Sharon Service Areas less than 10 Mbps/10 Mbps Map 7



New Sharon Service Areas less than 25 Mbps/3 Mbps Map 8

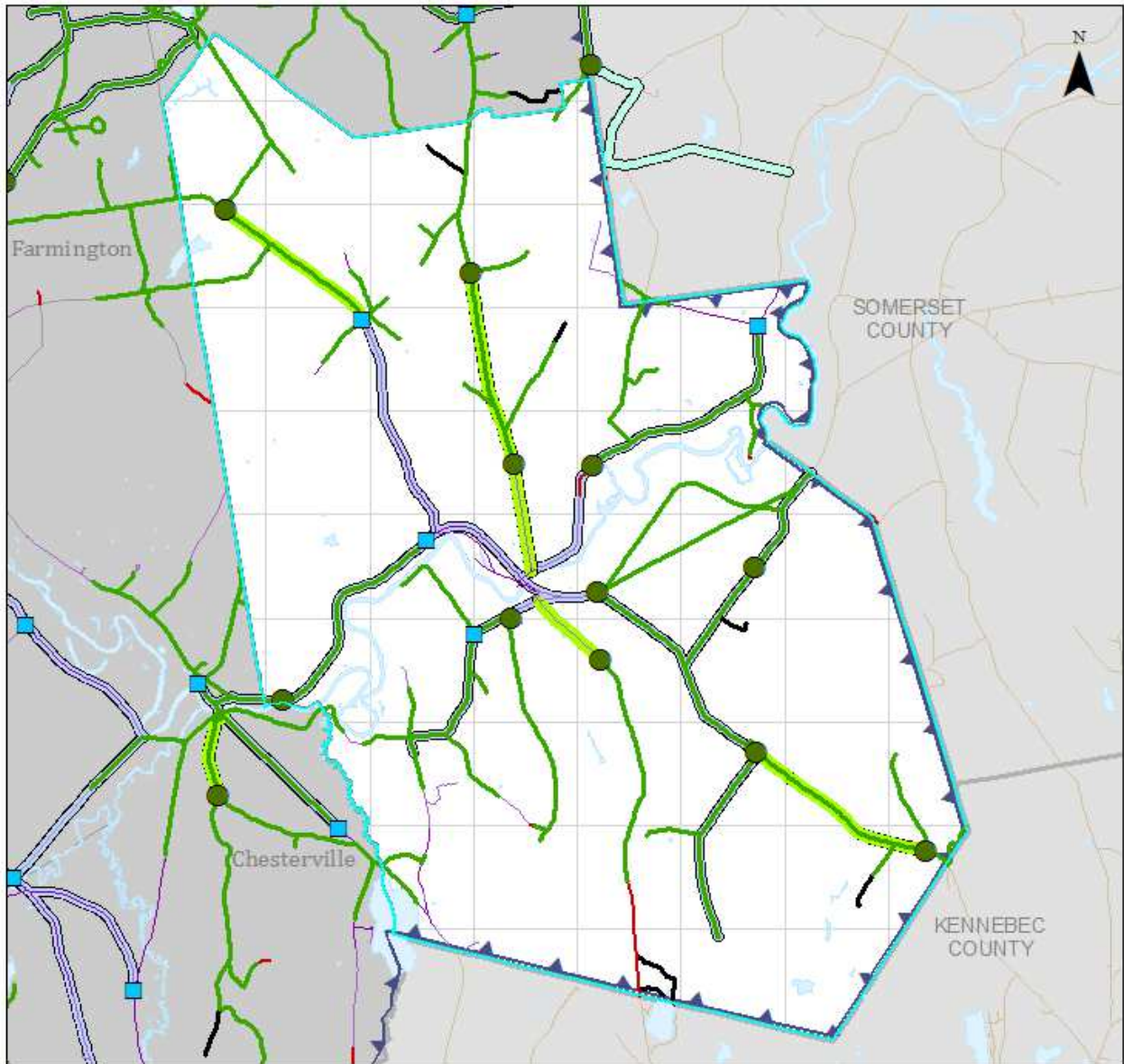


New Sharon Service Areas less than 10 Mbps/1 Mbps Map 9











New Sharon Design for Universal Minimum 10 Mbps/1 Mbps Map 10

Broadband Planning Study - Design for Universal Minimum 10Mbps/1Mbps New Sharon



— Roads - Addressable
 — Roads - Excluded
 — Roads - Outside Study Area
 — 7,000' DSL Coverage
 — 12,000' DSL Coverage
 — Service Areas Less Than 10Mbps/1Mbps

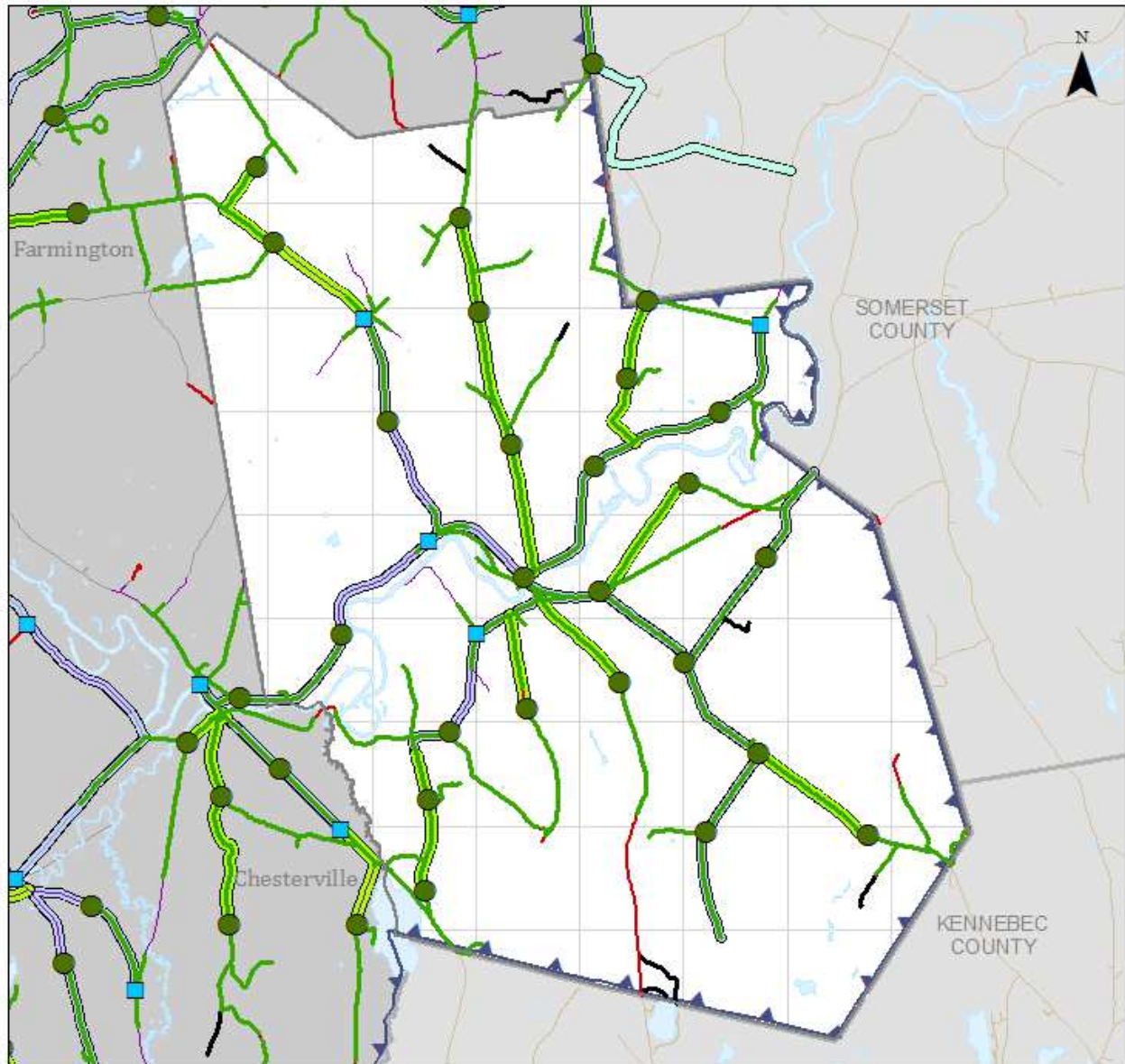
 FairPoint Service Area
 TDS Telecom Service Area
10 Mbps/1 Mbps BUILD OUT
 New Remote Terminals
 New Service Areas
 New Phone Fiber

 FairPoint Remote Terminals
 TDS Remote Terminals
 FairPoint Fiber
 TDS Fiber
 Water
 Towns
 1 mile grid

0 2 4 Miles

 SEWALL

New Sharon Design for Universal Minimum 25 Mbps/3 Mbps Map 11

Broadband Planning Study - Design for Universal Minimum 25Mbps/3Mbps
New Sharon

— Roads - Addressable
 — Roads - Excluded
 — Roads - Outside Study Area
 — 7,000' DSL Coverage
 — Service Areas Less Than 25Mbps/3Mbps

25 Mbps/3 Mbps BUILD OUT

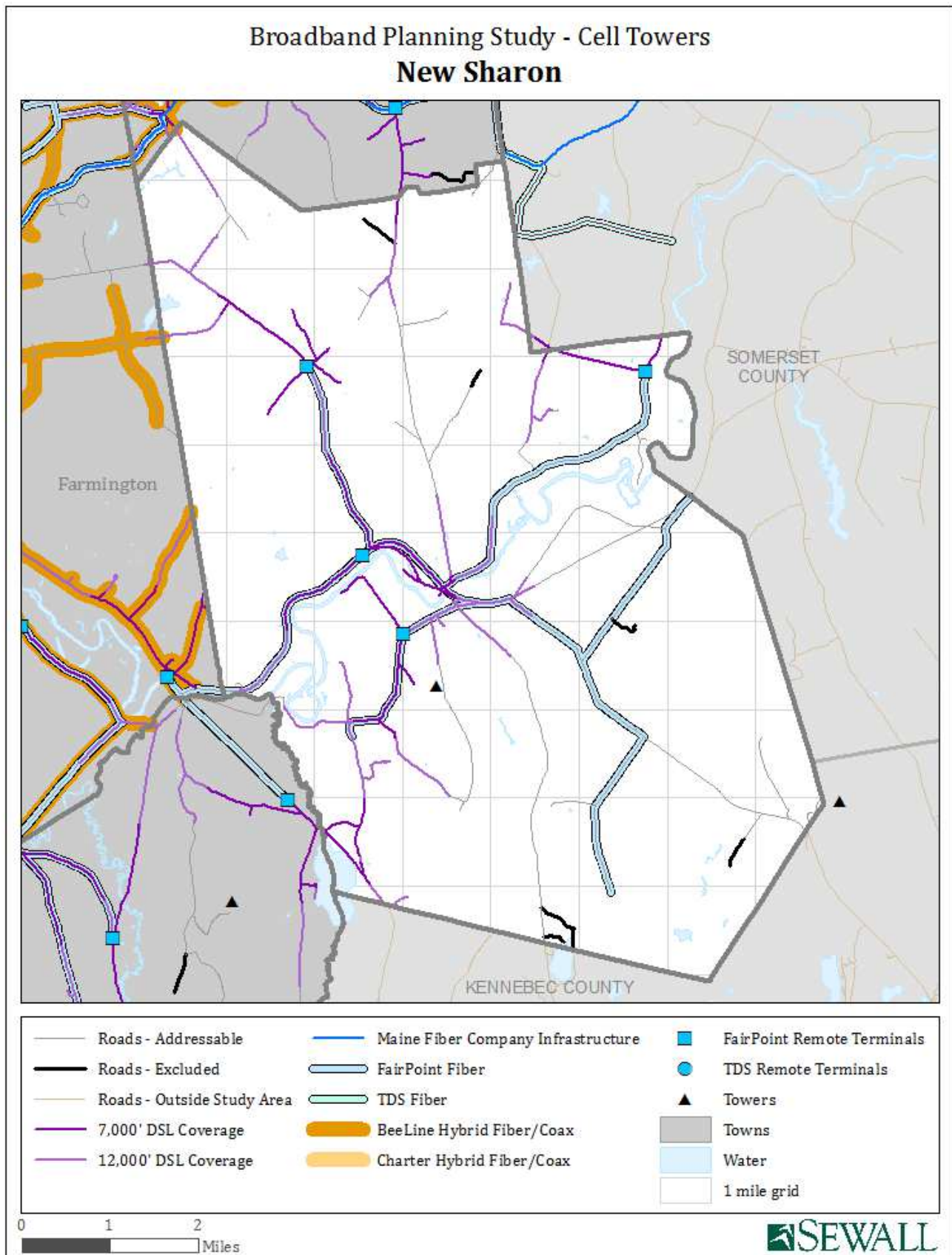
● New Remote Terminals
 — New Service Areas
 — New Phone Fiber

■ FairPoint Service Area
 ■ TDS Telecom Service Area
 ■ FairPoint Remote Terminals
 ■ TDS Remote Terminals
 — FairPoint Fiber
 — TDS Fiber
 ■ Water
 ■ Towns
 ■ 1 mile grid

0 2 4
 Miles

SEWALL

New Sharon Cell Towers Map 12



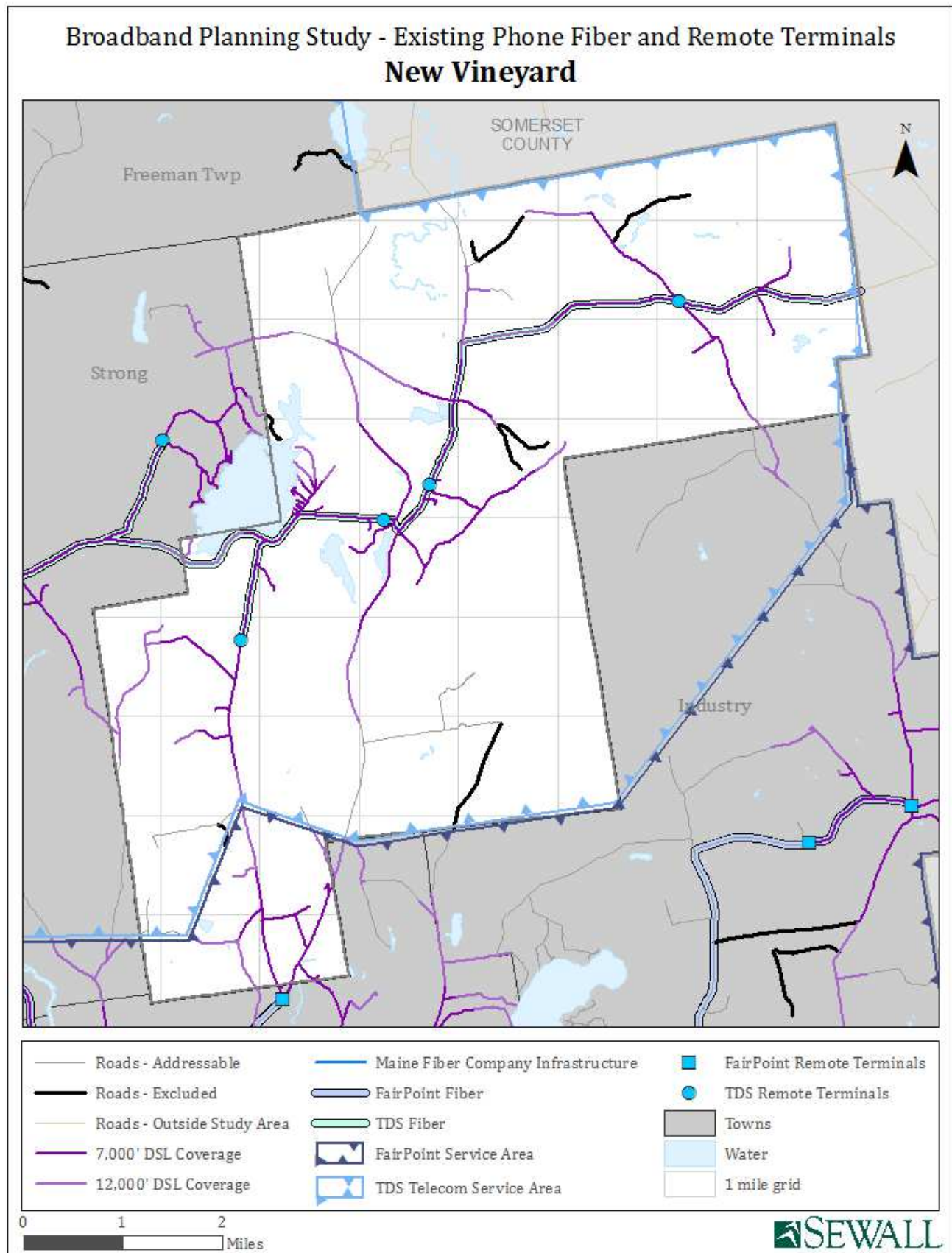
C-23 New Vineyard

Special Considerations

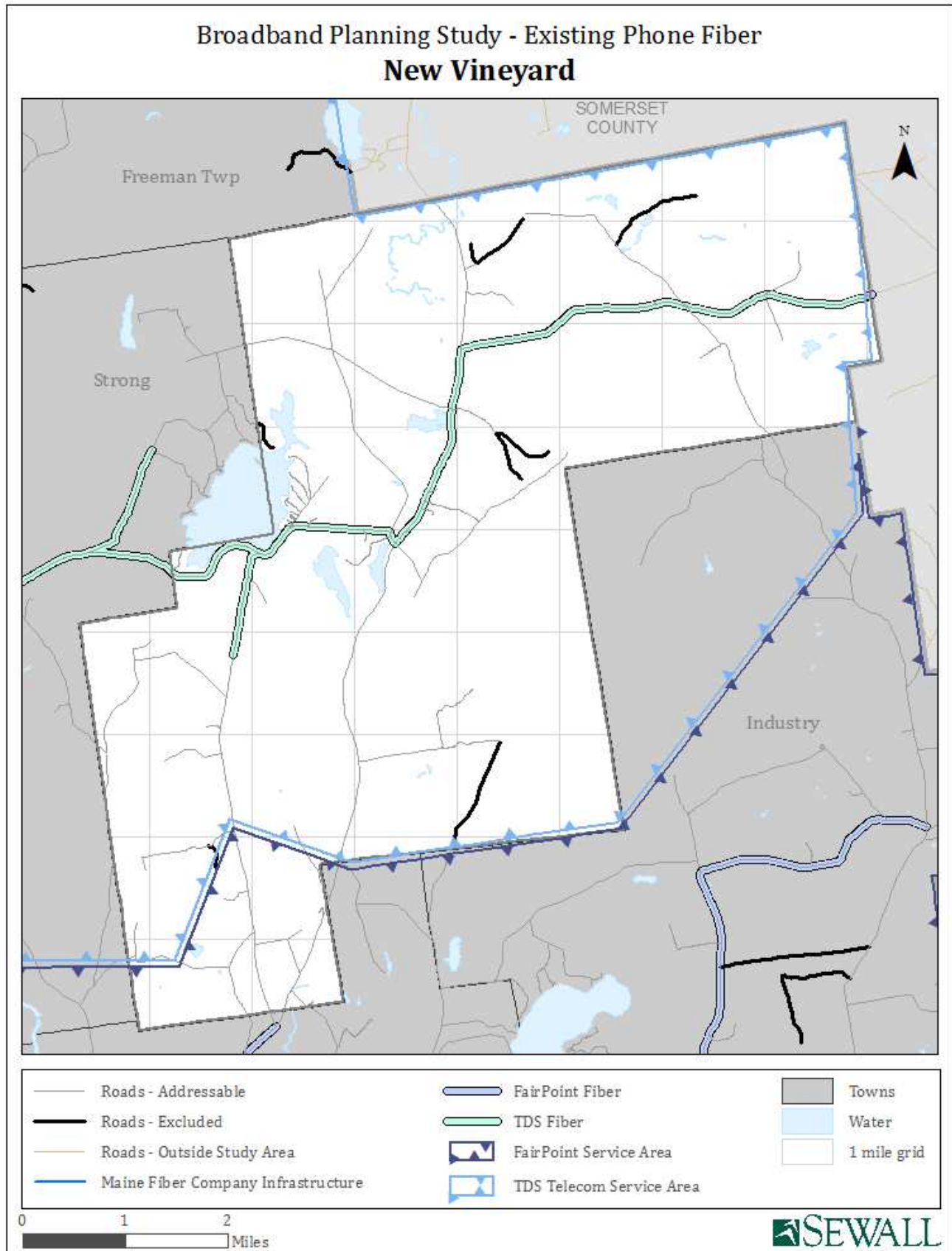
None

New Vineyard				
Statistical Data	Cost	Unit	New Vineyard	Study Area Totals
911 Addresses			412	22,824
Total Road Mileage			56.4	1,637
Phone Fiber Mileage			9.9	336
Hybrid Fiber/Coax Mileage			11	451
1G/1G FTTP Gap Miles	\$40,000	mile	51.6	1,363
1G/1G FTTP 911 Addresses	\$ 700	sub	410	22,500
<i>Potential Subscribers per mile</i>			8	17
Total Cost			\$2,352,673	\$70,258,775
<i>Per Potential Subscriber</i>			<i>\$5,738</i>	<i>\$3,123</i>
<i>Per Mile</i>			<i>\$45,558</i>	<i>\$51,558</i>
10M/10M Gap Miles	\$35,000	mile	41.0	910
10M/10M Gap 911 Addresses	\$ 350	sub	275	8,351
<i>Potential Subscribers per mile</i>			7	9
Total Cost			\$1,530,680	\$34,776,219
<i>Per Potential Subscriber</i>			<i>\$5,566</i>	<i>\$4,164</i>
<i>Per Mile</i>			<i>\$37,348</i>	<i>\$38,212</i>
Potential private investment			\$513,542	\$15,955,247
Potential public subsidy			\$1,017,138	\$18,820,972
25M/3M Gap Miles			22.4	650
25M/3M Gap 911 Addresses			126	4,931
25M/3M New RT Quantity	\$25,000		7	270
25M/3M New Fiber Miles	\$25,000		7.5	182
<i>Potential Subscribers per mile</i>			6	8
Total Cost			\$363,614	\$11,305,524
<i>Per Potential Subscriber</i>			<i>\$2,886</i>	<i>\$2,293</i>
Potential private investment			\$102,153	\$4,286,572
Potential public subsidy			\$261,461	\$7,018,952
10M/1M Gap Miles			9.6	407
10M/1M Gap 911 Addresses			42	2,925
10M/1M New RT Quantity	\$25,000		2	93
10M/1M New Fiber Miles	\$25,000		2.0	74
<i>Potential Subscribers per mile</i>			4	7
Total Cost			\$100,840	\$4,167,973
<i>Per Potential Subscriber</i>			<i>\$2,401</i>	<i>\$1,425</i>
Potential private investment			\$22,009	\$1,497,587
Potential public subsidy			\$78,832	\$2,670,386
CAF-II Funded Locations			19	2,429
A-CAM Funded Locations			78	1,600
Open-Access Dark Fiber Revenue	\$15	sub	\$36,900	\$2,025,000
Open-Access Dark Fiber Operating Expense				
Pole / Conduit rental	\$20	pole	\$34,084	\$899,395
Insurance	\$183	mile	\$9,474	\$250,000
OSP Restoration & Maintenance	\$200	mile	\$10,328	\$272,544
Moves, Adds, Changes, Disconnects	\$25	sub	\$5,125	\$281,250
Administration	\$30	sub	\$6,150	\$337,500
Total Operating Expense			\$65,161	\$2,040,689
Earnings Before Interest, Taxes, Depreciation & Amortization (EBITDA)			(\$28,261)	(\$15,689)

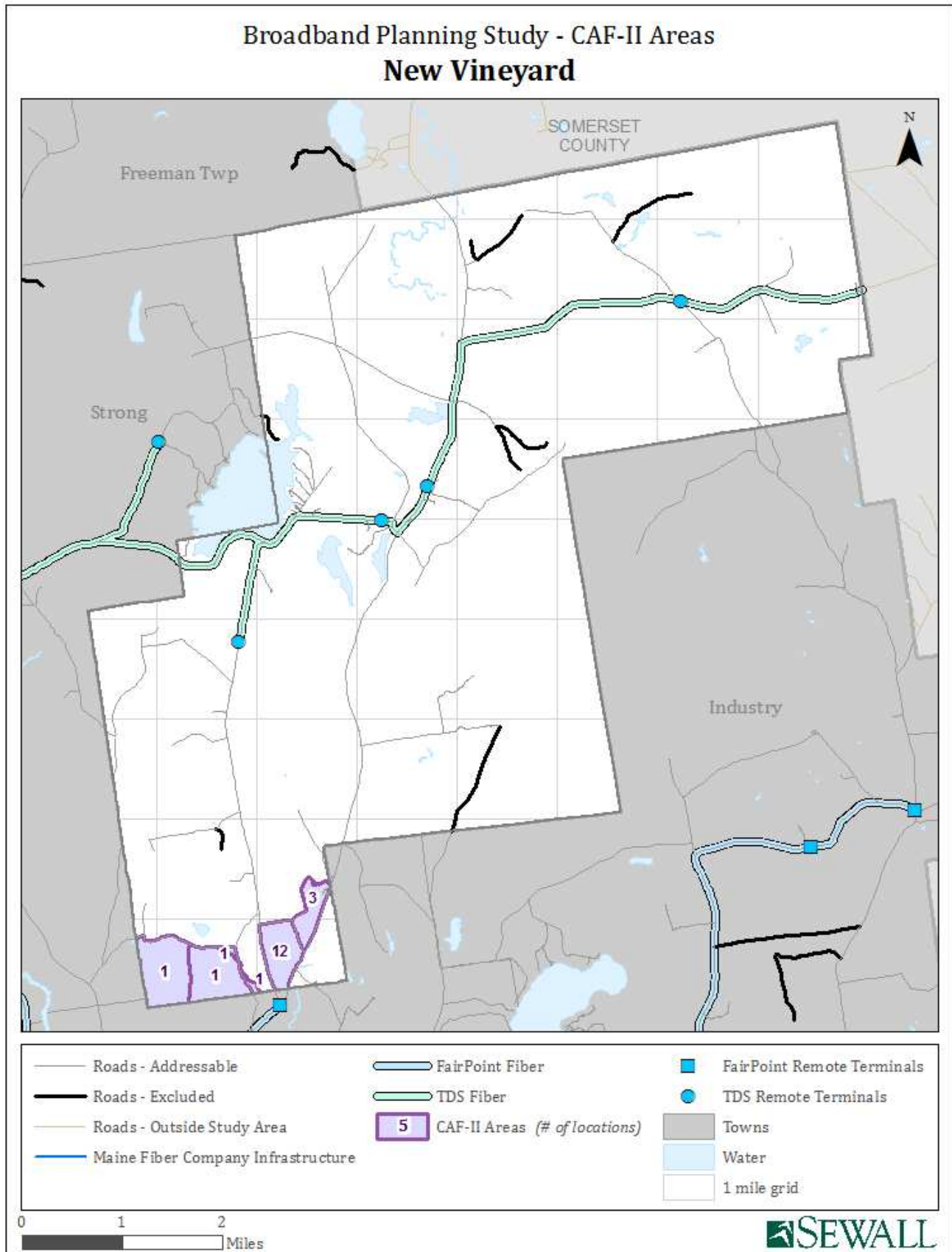
New Vineyard Existing Phone Fiber & Remote Terminals Map 1



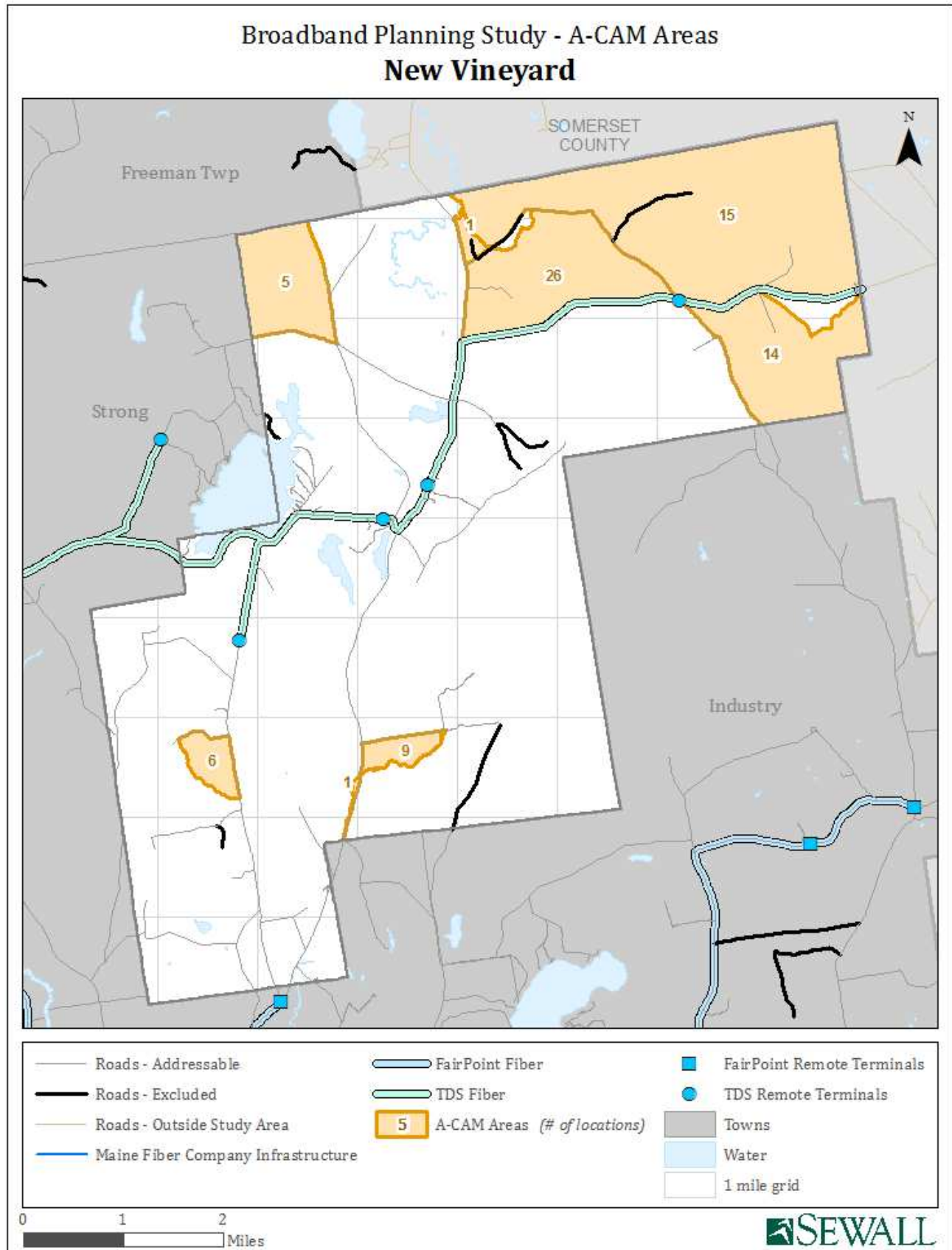
New Vineyard Existing Phone Fiber Map 2



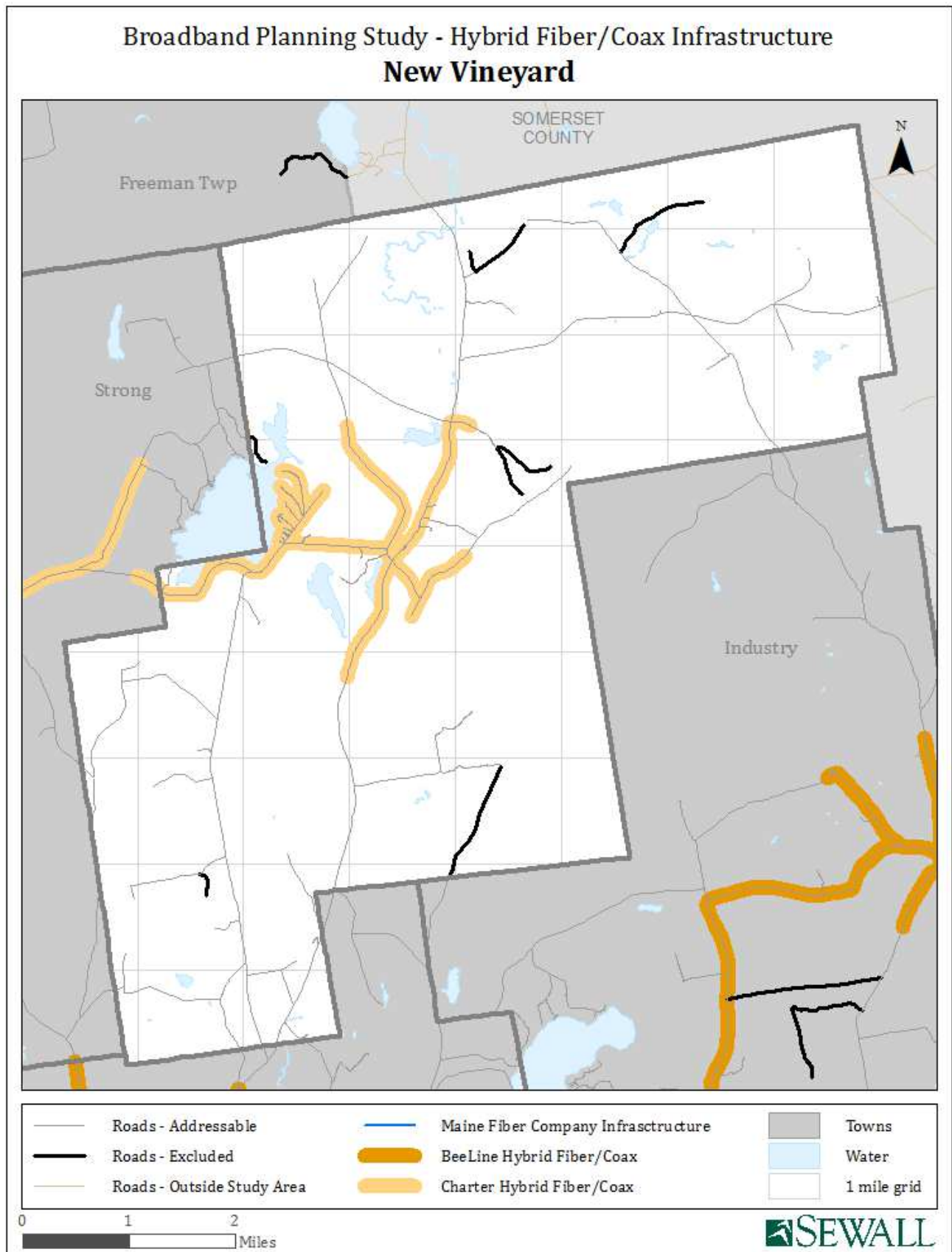
New Vineyard CAF-II Map 3



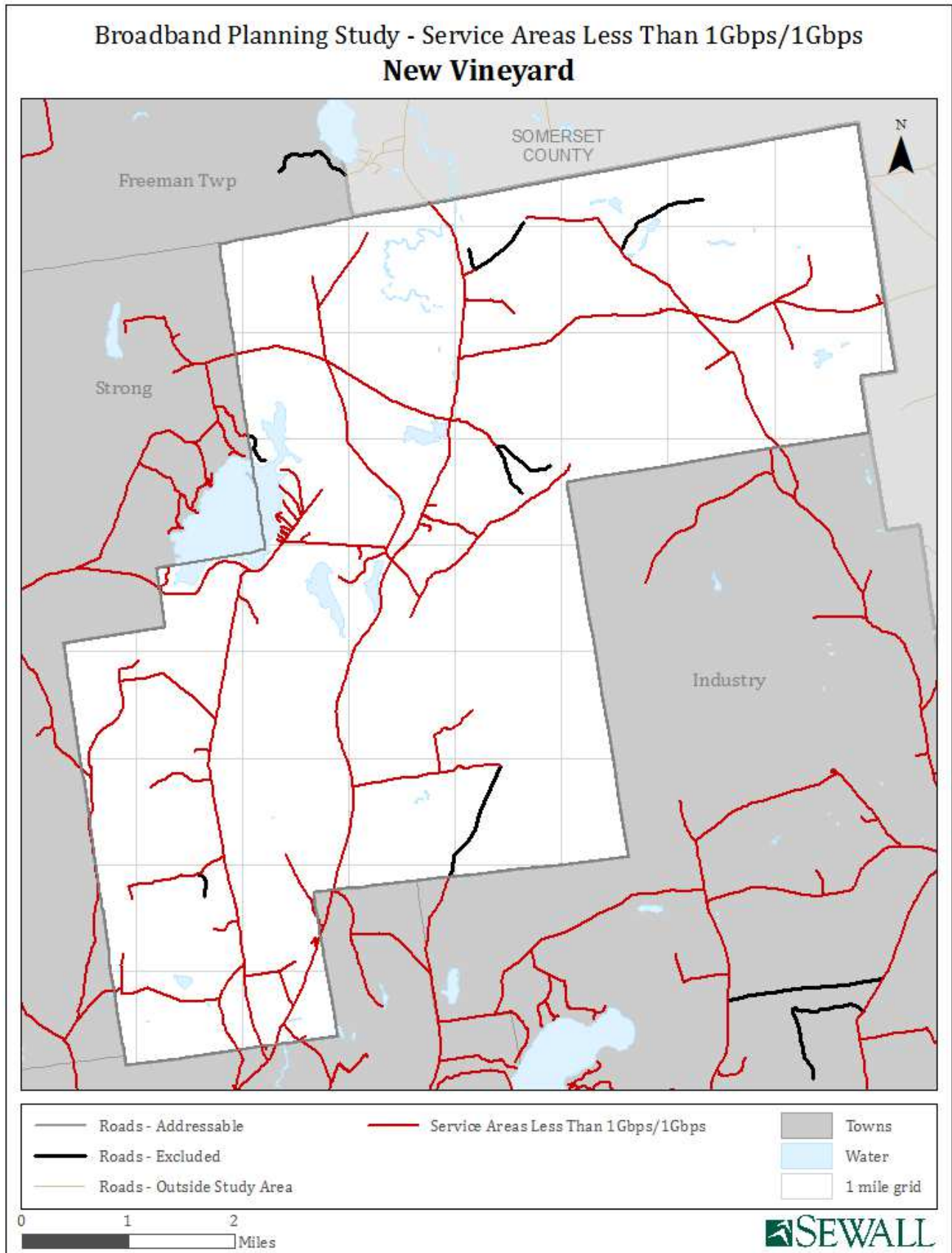
New Vineyard A-CAM Map 4



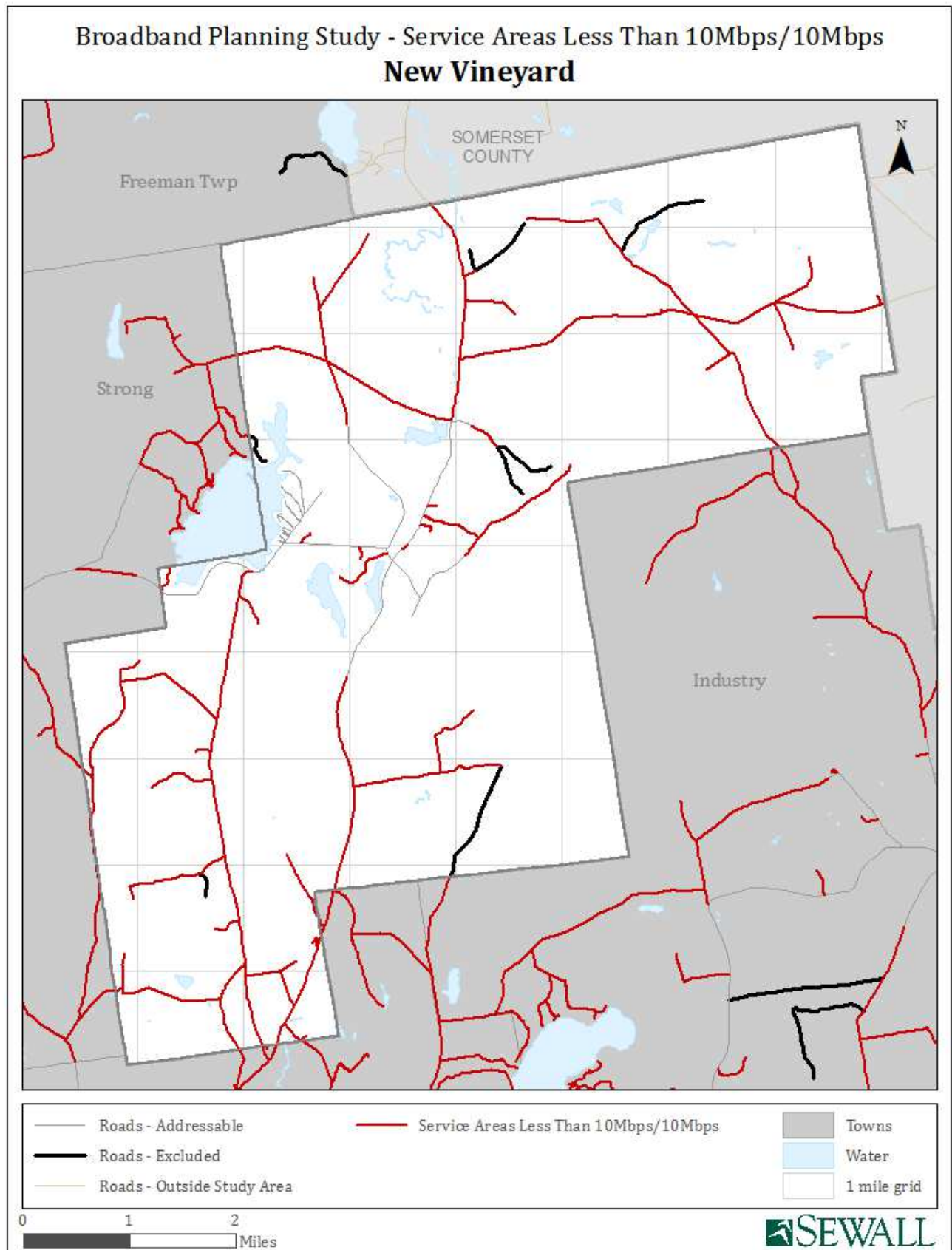
New Vineyard Hybrid Fiber/Coax Infrastructure Map 5



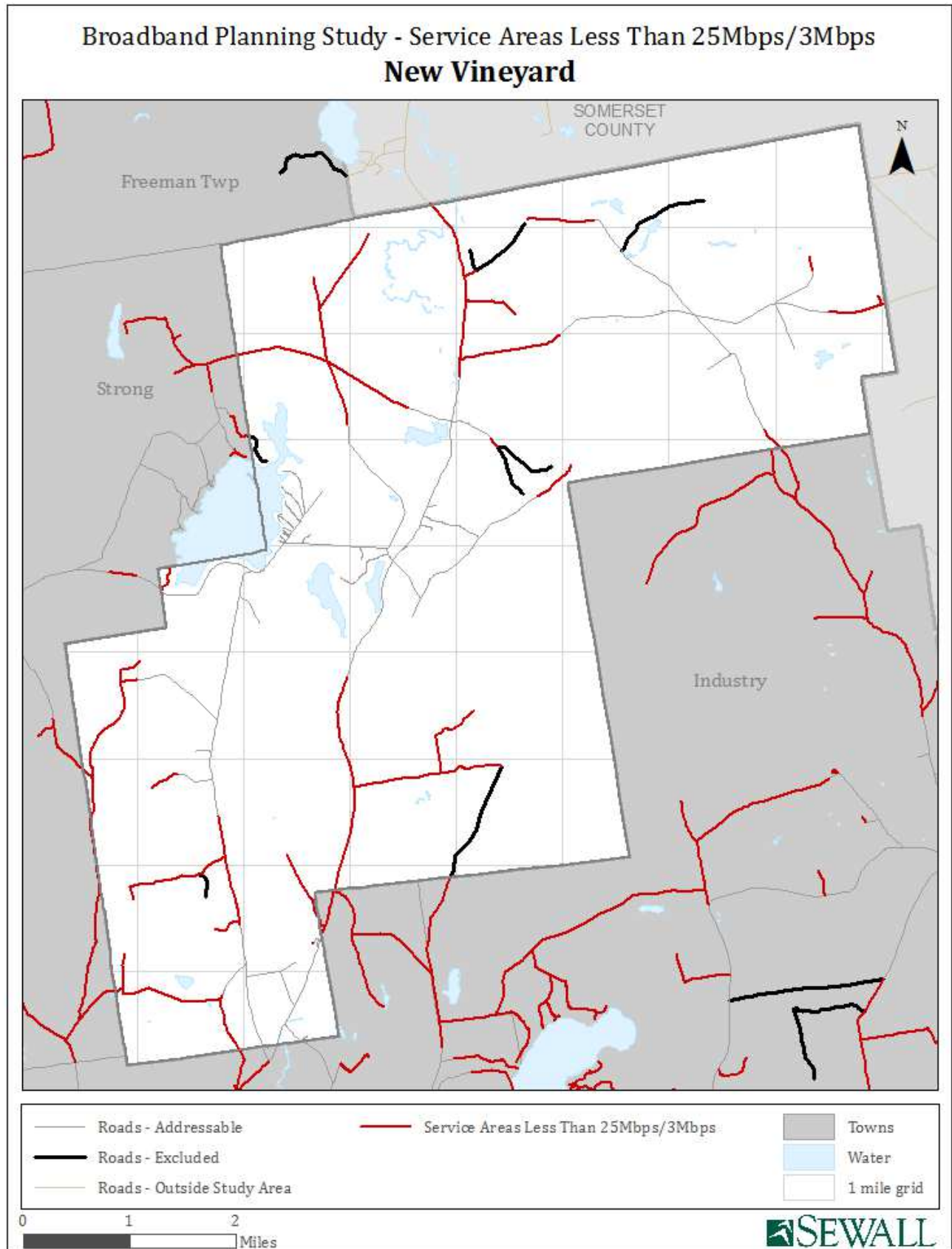
New Vineyard Service Areas less than 1 Gbps/1 Gbps Map 6



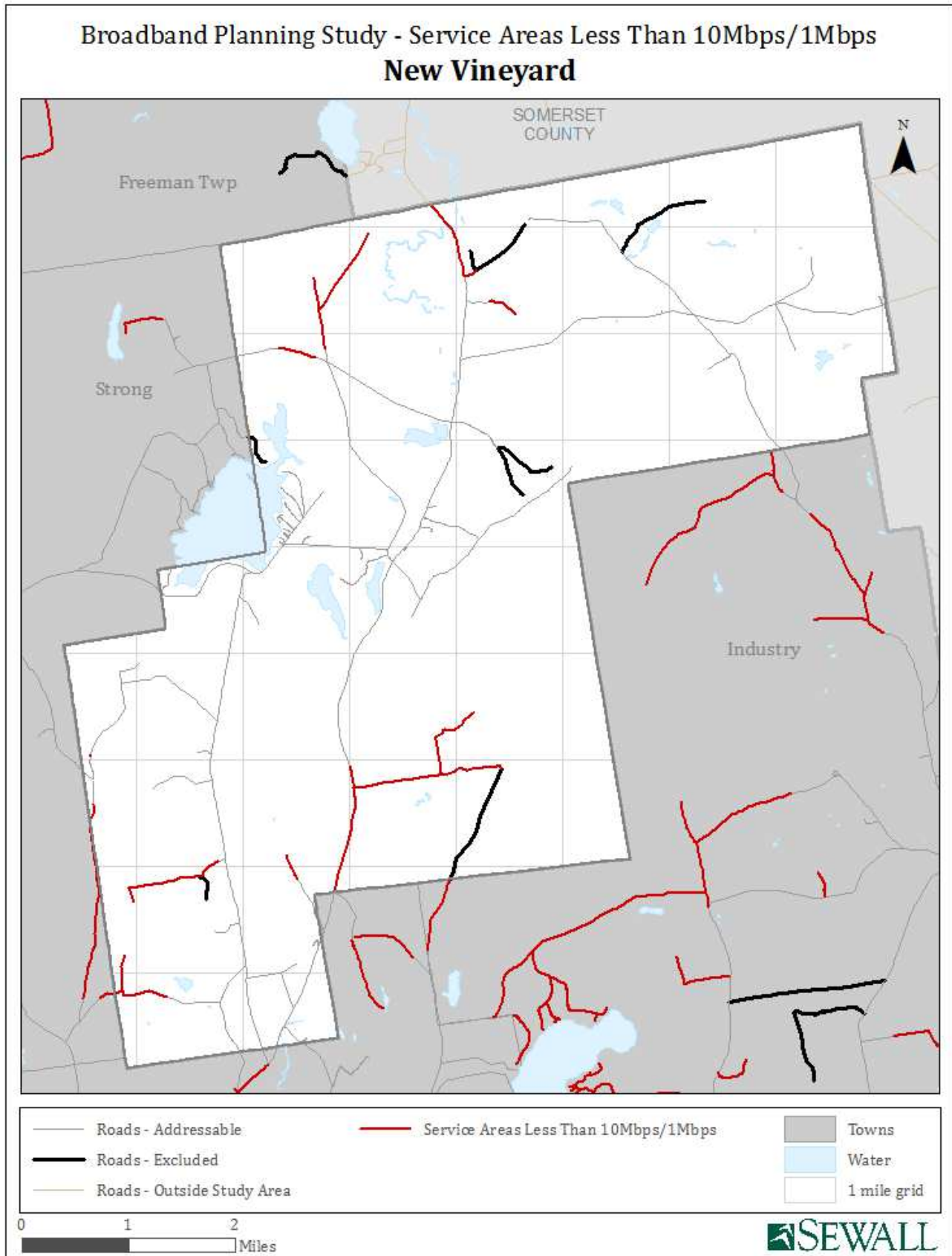
New Vineyard Service Areas less than 10 Mbps/10 Mbps Map 7



New Vineyard Service Areas less than 25 Mbps/3 Mbps Map 8

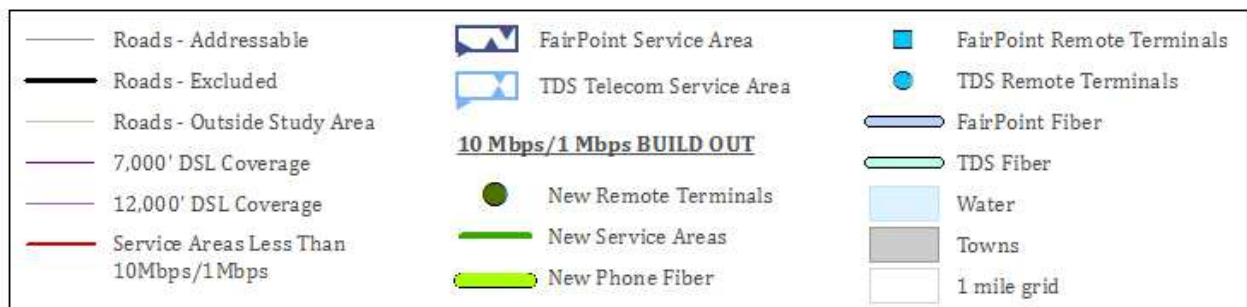
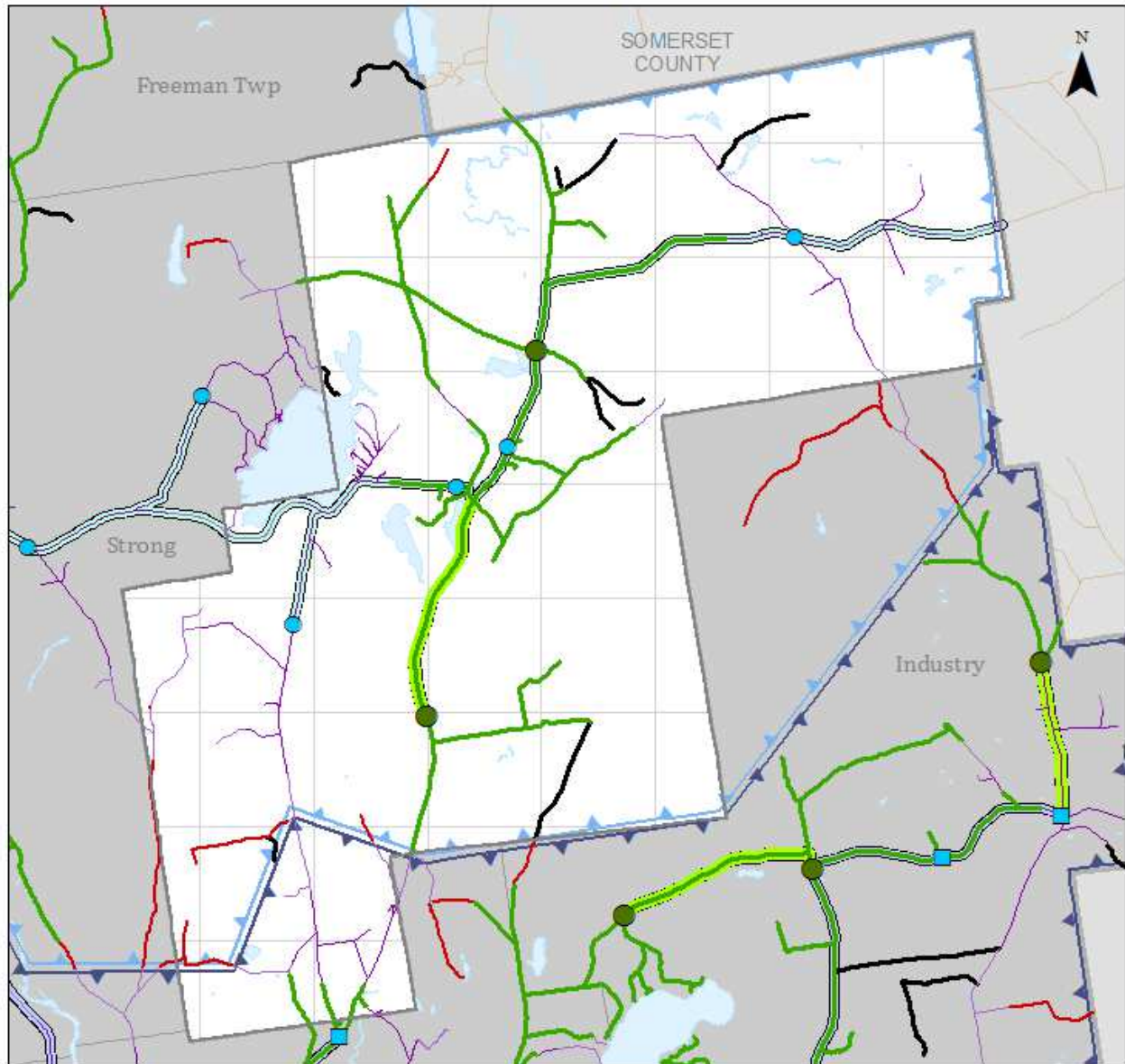


New Vineyard Service Areas less than 10 Mbps/1 Mbps Map 9



New Vineyard Design for Universal Minimum 10 Mbps/1 Mbps Map 10

Broadband Planning Study - Design for Universal Minimum 10Mbps/1Mbps New Vineyard

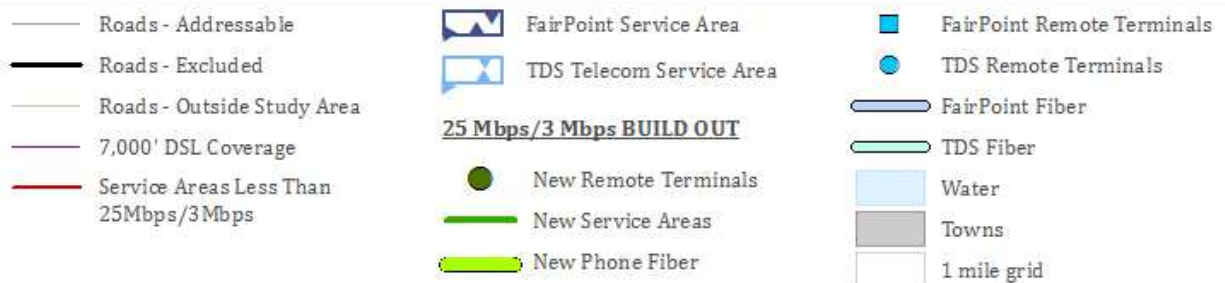
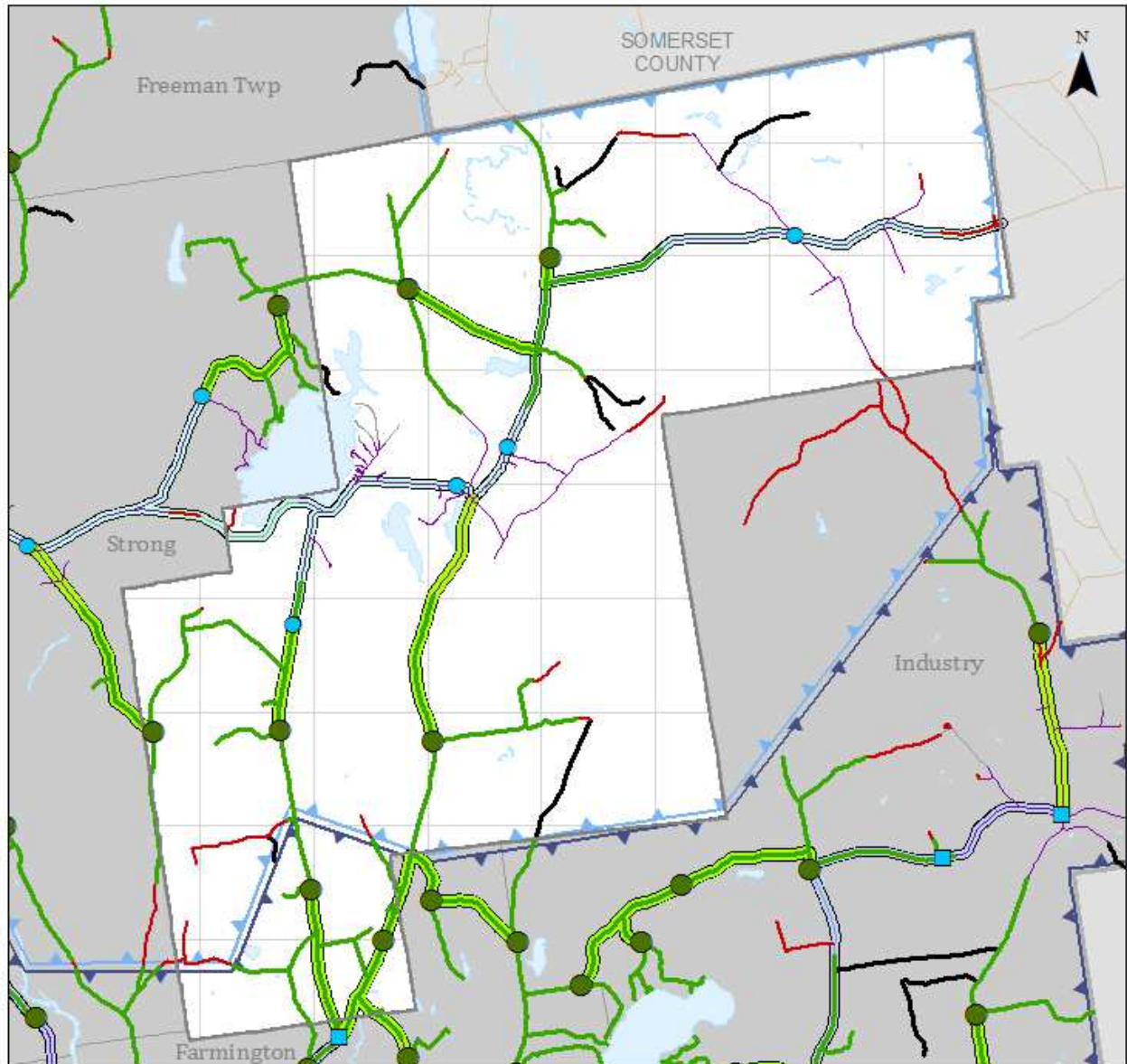


0 1 2
Miles

SEWALL

New Vineyard Design for Universal Minimum 25 Mbps/3 Mbps Map 11

Broadband Planning Study - Design for Universal Minimum 25Mbps/3Mbps New Vineyard



0 1 2
Miles

SEWALL

New Vineyard Cell Towers Map 12

