



***Environmental Assessment—Phase I
Expedition Wind
Butler & Marion Counties, Kansas***



***Prepared for:
Expedition Wind—NRS***

***AEC File No.: 19054:5307
Date Completed: August 22, 2019***



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1.0 SUMMARY

Expedition Wind—NRS retained Allied Environmental Consultants, Inc. (AEC) to perform a Phase I Environmental Site Assessment (ESA) for the property identified as Expedition Wind and located on the parcels shown in Table 1-1 on the following pages.

AEC staff conducted this ESA under the direct supervision of the environmental professional stated in Sections 7.5 and Appendix 9.7. AEC completed the assessment on August 22, 2019.

An environmental assessment is a systematic investigation performed by an environmental professional to convey an opinion about the potential for environmental contamination. The principal objective is to identify recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), or historical recognized environmental conditions (HRECs) at the property through review of credible historical sources, available regulatory files, and a site visit. This report presents the findings of the environmental assessment completed for the subject property. AEC performed this work in general accordance with ASTM¹ Standard E1527-13 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This Standard defines the environmental conditions used by AEC in preparing our opinion regarding the subject property at the time of inspection. According to the ASTM Standard, these conditions are:

A REC is “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative to a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.

A CREC is “... a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).”

A HREC is “... a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations institutional controls, or engineering controls).”

The following is a summary of the consequential findings of this ESA:

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of Expedition Wind Property, located in Butler & Marion Counties, Kansas (as shown in Table 1-1), the property. Any exceptions to, or deletions from, this practice are described in Section 7.3 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property.

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¹ ASTM International; formerly known as American Society for Testing and Materials

Table 1-1: Summary of Parcels and Ownership

Parcel Number	Quick Ref	Owner	Property Address	Legal Description
057-226-13-0-00-00-001.00-0	R9382	Tharp, Blair R RLT	--	NE/4 NE/4 & S/2 NE/4 Less ROW Sec 13 T 21 R 3
057-214-18-0-00-00-002.00-0	R9140	Regier, Arnold W & Edith L RLT	--	E/2 NW/4 & S/2 SW/4 NW/4 Less ROW Sec 18 T 21 R 4
057-226-13-0-00-00-001.01-0	R9383	Tharp, Blair R RLT	--	NW/4 NE/4 Less ROW Sec 13 T 21 R 3
057-225-15-0-00-00-002.00-0	R9355	Leppke, Wilbur R Trust	--	NW/4 SE/4 SE/4 NE/4 & W/2 NE/4 Less ROW Sec 15 T 21 R 3
057-224-17-0-00-00-001.01-0	R9323	Glaser, Graeme W & Karen Diana	1425 110th, Peabody KS	NW/4 Less ROW Sec 17 T 21 R 3
057-225-16-0-00-00-002.00-0	R9364	Wait George D Trust	--	NW 1/4 Less ROW Sec 16 T 21 R 3
057-225-16-0-00-00-001.00-0	R9363	Delk, Elmer R	1071 Old Mill, Peabody, KS	NE 1/4 Less ROW Sec 16 T 21 R 3
057-214-18-0-00-00-003.00-0	R9141	Regier, Herbert D & Wilma P Trust	--	NW/4 NW/4 & N/2 SW/4 NW/4 Less ROW Sec 18 T 21 R 4
057-226-14-0-00-00-003.00-0	R9393	Crabb, Shawn Dale & Mary Beth	1713 110th, Peabody, KS	Pte3/4 N1/2 NW1/4 Beg NW/C of E 3/4 Of N1/2 NW1/4 S Alg W LINE 510 E 454' N 510' W 454' To POB Less ROW Sec 14 T 21 R 3
057-214-17-0-00-00-001.00-0	R9135	Morse, Paul R Trust	--	NE/4 Less ROW Sec 17 T 21 R 4
057-215-15-0-00-00-001.00-0	R9153	Robinson Sr, Edwin H	--	Pt NE/4 Exc S 55 Ac Less ROW Sec 15 T 21 R 4
057-214-18-0-00-00-001.00-0	R9139	Leppke, Wilbur R Trust	--	NE/4 Less ROW Sec 18 T 21 R 4
057-215-15-0-00-00-002.00-0	R9154	Savage, Rex E & Carolyn J	2203 110th, Florence, KS	NW/4 Less ROW Sec 15 T 21 R 4
057-215-16-0-00-00-001.00-0	R9160	Savage, Rex E & Carolyn J	--	NE/4 & E/2 SE/4 Less ROW Sec 16 T 21 R 4
057-215-16-0-00-00-002.00-0	R9161	Hett, Donald R & Dawn D RLT	--	E/2 NW/4 Less ROW Sec 16 T 21 R 4
057-215-16-0-00-00-002.01-0	R9162	Hett, Clifford J RLT	--	W/2 NW/4 Less ROW Sec 16 T 21 R 4
057-226-13-0-00-00-006.00-0	R9390	Regier, Arnold W & Edith L RLT	--	E1/2 Se1/4 Less ROW Sec 13 T 21 R 3
057-214-18-0-00-00-004.00-0	R9142	Leppke, Lyle K & Ann M	--	N/2 SW/4 Less ROW Sec 18 T 21 R 4
057-226-13-0-00-00-005.00-0	R9389	Wingfield Farming, Lp	--	W1/2 Se1/4 Less ROW Sec 13 T 21 R 3
057-214-18-0-00-00-006.00-0	R9144	Wessel, Eric & Susan	1043 Sunflower, Peabody, KS	SE/4 Less ROW Sec 18 T 21 R 4
057-214-18-0-00-00-005.00-0	R9143	Leppke, Lyle K & Ann M	--	S/2 SW/4 Less ROW Sec 18 T 21 R 4
057-225-15-0-00-00-005.02-0	R9360	Ratzlaff, Carolyn F Trust	--	S/2 SW/4 Less ROW Sec 15 T 21 R 3
057-226-14-0-00-00-007.00-0	R9397	Sears, Elaine Laverne RLT	--	SW1/4 SW1/4 Less ROW Sec 14 T 21 R 3
057-225-16-0-00-00-005.01-0	R307691	Andres, Eldon Trust	--	N/2 SE /4 Less Rr ROW & Rd ROW Sec 16 T 21 R 3
057-226-13-0-00-00-003.00-0	R9387	Wingfield Farming, LP	--	W1/2 SW1/4 Less ROW Sec 13 T 21 R 3
057-226-13-0-00-00-002.01-0	R9385	Larsen, Marvin D RLT	--	SE/4 NW/4 Sec 13 T 21 R 3
057-226-14-0-00-00-005.00-0	R9395	Leppke, Wilbur R Trust	--	S1/2 NW1/4 Less ROW Sec 14 T 21 R 3
057-226-14-0-00-00-011.00-0	R9401	Sears, Elaine Laverne RLT	--	S1/2 NE1/4 Less ROW Sec 14 T 21 R 3
057-225-15-0-00-00-006.00-0	R9362	Leppke, Wilbur R Trust	1678 100th, Peabody, KS	S/2 SE/4 & NE/4 SE/4 Less ROW Sec 15 T 21 R 3
057-226-14-0-00-00-006.00-0	R9396	Sears, Elaine Laverne RLT	--	NW1/4 SW1/4 Less ROW Sec 14 T 21 R 3
057-226-14-0-00-00-009.00-0	R9399	Andres, Eldon Trust	--	E1/2 SW1/4 Exc Beg SWc E1/2 SW1/4 Ctr Rd E 156 N 280 W 156 S 280 To POB Less ROW Sec 14 T 21 R 3
057-226-14-0-00-00-010.00-0	R9400	Robinson, Randolph & Betty Family RLT	--	SE1/4 Less ROW Sec 14 T 21 R 3
057-225-22-0-00-00-008.00-0	R9381	Slocombe, Phyllis A RLT	--	N 1/2 SE 1/4 Less ROW Sec 22 T 21 R 3
057-226-23-0-00-00-003.00-0	R9404	Slocombe, William Warren RLT	--	S/2 NW/4 & N 50 Ac SW/4 Exc Beg NW/C SE/4 N 20.40 E 554.72 N 880 W 563.47 S 847.03 To POB Less ROW Sec 23 T 21 R 3
057-225-21-0-00-00-002.01-0	R9370	Wait George D Trust	--	NW/4 NW/4 Less ROW Sec 21 T 21 R 3
057-225-21-0-00-00-002.00-0	R9369	Wait George D Trust	--	S/2 NW/4 & NE/4 NW/4 Less ROW Sec 21 T 21 R 3
057-225-22-0-00-00-005.00-0	R9379	Andres, Eldon Trust	--	S/2 SE/4 22-21-03 Exc Beg SW/C SE/4 Sec Th E 911.50 Th N 611 .22 W 912.08 S 623.19 To POB Less ROW Sec 22 T 21 R 3

Parcel Number	Quick Ref	Owner	Property Address	Legal Description
057-226-23-0-00-00-004.00-0	R9405	Leppke, Wilbur R Trust	--	S 220 Ac S1/2 Less ROW Sec 23 T 21 R 3
057-225-21-0-00-00-004.00-0	R9373	Larsen, Marvin D RLT	--	SE 1/4 Less R.R. & Rd. ROW Sec 21 T 21 R 3
057-225-22-0-00-00-004.00-0	R9378	Cooper, David & Kimberly Ann	1608 90th, Peabody, KS	SW 1/4 Less ROW Sec 22 T 21 R 3
057-226-24-0-00-00-002.00-0	R9408	Kirkpatrick, Matthew R	--	E1/2 NW1/4 Less ROW Sec 24 T 21 R 3
057-226-23-0-00-00-002.00-0	R9403	Slocombe, William Warren RLT	--	N1/2 NW1/4 Less ROW Sec 23 T 21 R 3
057-226-24-0-00-00-003.00-0	R9409	Kirkpatrick Jr, Ronald Duane & Helen Lorene	968 Quail Creek, Peabody, KS	W1/2 NW1/4 Less ROW Sec 24 T 21 R 3
057-226-14-0-00-00-008.00-0	R9398	Andres, Eldon Trust	1726 100th, Peabody, KS	Beg SWc E1/2 SW1/4 Ctr Rd E156 N280 W156 S280 To POB Less ROW Sec 14 T 21 R 3
057-225-21-0-00-00-001.00-0	R9368	Andres, Eldon Trust	--	NE 1/4 Exc Beg 530' N SE/C Th W 725.47' N 360.26' E 725.47' S 360.26' To POB Less Rr & ROW Sec 21 T 21 R 3
057-225-22-0-00-00-003.00-0	R9377	Ballew, Jean E RLT	960 Old Mill, Peabody, KS	W 1/2 NW 1/4 Less ROW Sec 22 T 21 R 3
057-225-22-0-00-00-002.00-0	R9376	Ratzlaff, Carolyn F Trust	--	E 1/2 NW 1/4 Less ROW Sec 22 T 21 R 3
057-225-22-0-00-00-001.00-0	R9375	Slocombe, Phyllis A RLT	--	NE 1/4 Less ROW Sec 22 T 21 R 3
057-229-29-0-00-00-006.00-0	R9520	Larsen, Marvin D RLT	--	N1/2 Se1/4 Less ROW Sec 29 T 21 R 3
057-228-28-0-00-00-004.00-0	R9435	Wait Family RLT--Gregory's Share	--	W/2 SE/4 And All That Prt SW/4 Lying E Rr ROW Less Rd ROW Sec 28 T 21 R 3
057-228-28-0-00-00-006.00-0	R9437	Mellott, Delbert & Patricia Trust	--	NE/4 SE/4 Less ROW Sec 28 T 21 R 3
057-228-27-0-00-00-004.00-0	R9429	Larsen, Marvin D RLT	808 Old Mill, Peabody, KS	S/2 NW/4 & SW/4 Less ROW Sec 27 T 21 R 3
057-204-18-0-00-00-001.03-0	R8918	Cedar Springs Trust	--	All Prt NW/4 Lying S & W Us Highway 77 Sec 18 T 21 R 5
057-216-13-0-00-00-001.00-0	R9173	Savage, Randy E & Kelli R	--	W/2 & N/2 NE/4 Exc Prt NW/4 Beg 1328.4' S & 290.0' E NW/C W/2 NW/4 S 561.3' E 543' N 883.94' SWly Alg Rr ROW 631.6' To POB & Exc Prt SW/4 Beg SE/C SW/4 N On E Li 788.28 NWly 707.47' SWly 140.69' S 697.99' To S Li SW/4 E 752.66' To POB & Exc Prt N/2 NE/4 Sec 13 T 21 R 4
057-216-13-0-00-00-002.01-0	R9178	Cedar Springs Trust	--	Prt N/2 Lying E Of Doyle Creek & Prt SW/4 Beg SE/C SW/4 N On E Li 788.28' NWly 707.47' SWly 140.69' S 697.99' To S Li SW/4 E 752.66' To POB & S/2 NE/4 & SE/4 Exc Beg SE/C NE/4 W On S Li NE/4 824.04' To POB N 396' W 528' S 171.58' SWly 168' SWly 143' Sely Sec 13 T 21 R 4
057-229-29-0-00-00-005.00-0	R9519	Hannafor, Lavonne Trust	--	S1/2 Se1/4 Less ROW Sec 29 T 21 R 3
057-228-27-0-00-00-003.00-0	R9428	Cooper, David & Kimberly Ann	--	N/2 NW/4 Less ROW Sec 27 T 21 R 3
057-228-27-0-00-00-002.00-0	R9427	Andres, Eldon Trust	1661 90th, Peabody, KS	All NE/4 Exc Beg NE/C Th W868' S2640' E860' N2640' To POB & N/2 SE/4 Less ROW Sec 27 T 21 R 3
057-228-27-0-00-00-001.00-0	R9426	Andres, Eldon Trust	--	Pt NE/4 Beg NE/C Th W868' S2640' To Qtr Sec Li E860' N2640' To POB Less ROW Sec 27 T 21 R 3
057-227-26-0-00-00-002.00-0	R9416	Nellans Farms LLC	1725 90th, Peabody, KS	N/2 NW/4 Less ROW Sec 26 T 21 R 3
057-227-26-0-00-00-002.01-0	R9417	Nellans Farms LLC	--	S/2 NW/4 Less ROW Sec 26 T 21 R 3
057-229-29-0-00-00-001.00-0	R9514	Wait Family RLT--Gregory's Share	--	NE1/4 Sec 29 Exc Beg SE/C NE/4 Th W 514' N 872.73' E 513.82' To E Li NE/4 S Alg E Li 882.1 4' To POB Less ROW Sec 29 T 21 R 3
057-228-28-0-00-00-002.00-0	R9432	Larsen, Marvin D RLT	--	N/2 NW/4 & Pt S/2 NW/4 Exc Rr ROW & All That Prt S/2 Sec Lying E of ROW Less ROW Sec 28 T 21 R 3
057-228-28-0-00-00-001.00-0	R9431	Ballew, Jean E RLT	--	All NE/4 Exc Beg SE/C NE/4 Th N550' Th W475' S550' E475' To POB Less ROW Sec 28 T 21 R 3
057-222-03-0-00-00-003.00-0	R9269	Penner, Karen L Trust	--	All That Pt S/2 Sec Lying W of Rr Less ROW Sec 3 T 21 R 3
057-212-04-0-00-00-004.00-0	R9091	Carpenter, William R Trust	--	W/2 SW/4 Less ROW Sec 4 T 21 R 4
057-212-03-0-00-00-005.00-0	R9087	Riggs, Mahlon B	--	E/2 SE/4 Less ROW Sec 3 T 21 R 4
057-222-03-0-00-00-003.01-0	R9270	Suderman, Gilbert W Trust	--	All That Part Of S/2 Sec Lying E of RR Less ROW Sec 3 T 21 R 3
057-213-06-0-00-00-007.00-0	R9123	Regier, Debra Kay	1948 120th, Peabody, KS	S/2 SE/4 Less ROW Sec 6 T 21 R 4
057-223-05-0-00-00-004.01-0	R9295	Harder, Keith R RLT	--	SE/4 & E/2 SW/4 Less ROW Sec 5 T 21 R 3
057-222-04-0-00-00-003.00-0	R9273	Harder, Keith R RLT	--	SW/4 Exc Beg SE/C SW/4 N 581' W 1002.53' S 581' E 1002.53' To POB & Beg NW/C SW/4 E 2016' SW 173' W 1559' SW To 387' To W Li SW/4 N 296' POB Less ROW Sec 4 T 21 R 3
057-222-04-0-00-00-005.00-0	R9277	Penner, Marcia L Trust No. 1	--	SE/4 Less ROW Sec 4 T 21 R 3
057-213-06-0-00-00-002.00-0	R9117	Hett, Clifford J RLT	--	N/2 SE/4 Exc Beg SW/C N/2 SE/4 N 1320' E 470' S 1320' W 470' To POB S/2 NW/4 & N/2 SW/4 & Beg SW/C N/2 SE/4 N 2450' E 470' S 245 0' W To POB & Less ROW Sec 6 T 21 R 4

Parcel Number	Quick Ref	Owner	Property Address	Legal Description
057-221-01-0-00-00-004.00-0	R9242	Tharp, Blair R RLT	--	SW1/4 Less ROW Sec 1 T 21 R 3
057-221-02-0-00-00-004.01-0	R9248	Tharp, David W & Carla	1219 Quail Creek, Peabody, KS	E 80 Ac SE/4 Less ROW Sec 2 T 21 R 3
057-213-05-0-00-00-003.00-0	R9115	Keirns, Larry L Trust	--	SW/4 Less ROW Sec 5 T 21 R 4
057-212-04-0-00-00-005.00-0	R9092	Savage, Ronald E & Rebecca A	--	W/2 E/2 SW/4 Less ROW Sec 4 T 21 R 4
057-212-04-0-00-00-006.00-0	R9093	Savage, Ronald E & Rebecca A	--	E/2 E/2 SW/4 Less ROW Sec 4 T 21 R 4
057-212-04-0-00-00-007.00-0	R9094	Newfield, Rudolph G & Jean E	1243 Upland, Florence, KS	SE/4 Less ROW Sec 4 T 21 R 4
057-221-02-0-00-00-004.00-0	R9247	Tharp, Blair R RLT	--	W 80 Acs SE/4 Less ROW Sec 2 T 21 R 3
057-212-09-0-00-00-003.00-0	R9097	Tharp, Blair R RLT	--	NE/4 NW/4 Less ROW Sec 9 T 21 R 4
057-212-09-0-00-00-004.00-0	R9099	Tharp, Blair R RLT	--	SW/4 NW/4 Less ROW Sec 9 T 21 R 4
057-221-11-0-00-00-002.00-0	R9252	Flaming, Melvin & Marilyn RLT	--	NW/4 Exc Beg SW/C NW/4 N on W Li 1318.42' E 425.74' S 1320.46' To S Li NW/4 W 425.74' To POB Less ROW Sec 11 T 21 R 3
057-212-10-0-00-00-002.00-0	R9108	Carpenter, William R Trust	--	N/2 NW/4 Less ROW Sec 10 T 21 R 4
057-222-10-0-00-00-002.00-0	R9285	Suderman, Rodney E Trust	--	E/2 NW/4 Less ROW Sec 10 T 21 R 3
057-221-12-0-00-00-001.00-0	R9257	Krehbiel, Ken D & Cheri L	--	E2NE4 Exc Beg 1269.62' W NE/C NE4 S 725.19' E 1265.48' N 622.54' To POB Less ROW Sec 12 T 21 R 3
057-212-09-0-00-00-001.00-0	R9095	Savage, Ronald E & Rebecca A	--	N/2 E/2 E/2 NE/4 Less ROW Sec 9 T 21 R 4
057-212-09-0-00-00-002.00-0	R9096	Waner, Gary Francis & Karen Kay	--	N/2 E/2 W/2 NE/4 & N/2 W/2 E/2 NE/4 Less ROW Sec 9 T 21 R 4
057-221-12-0-00-00-002.00-0	R9259	Tharp, Blair R RLT	--	W1/2 NE 1/4 Less ROW Sec 12 T 21 R 3
057-221-12-0-00-00-003.00-0	R9260	Unruh, Keith J & Betty A	--	N1/2 NW1/4 Less ROW Sec 12 T 21 R 3
057-213-06-0-00-00-005.00-0	R9121	Keirns, Larry L Trust	--	SW/4 SW/4 Less ROW Sec 6 T 21 R 4
057-212-03-0-00-00-003.00-0	R9086	Carpenter, William R Trust	--	SW/4 SW/4 Less ROW Sec 3 T 21 R 4
057-213-08-0-00-00-001.00-0	R9131	Hett, Donald R & Dawn D RLT	--	N/2 NE/4 Less ROW Sec 8 T 21 R 4
057-213-07-0-00-00-001.00-0	R9124	Keirns, Larry L Trust	--	NE/4 Less ROW Sec 7 T 21 R 4
057-213-08-0-00-00-002.00-0	R9132	Keirns, Larry L Trust	--	NW/4 Less ROW Sec 8 T 21 R 4
057-221-11-0-00-00-001.00-0	R9249	Olsen, Joyce	--	E/2 Exc Beg SW/C SE/4 N5265.65 To NW/C NE/4 E 1284.19' S 2614.63' SE 87 Deg. 45.1' S 1305.15' SE 14 Deg. 1398.25 W 1700.2' To POB Less ROW Sec 11 T 21 R 3
057-221-12-0-00-00-005.00-0	R9262	Olsen, James A	1126 Quail Creek, Peabody, KS	W/2 SW/4 Less ROW Sec 12 T 21 R 3
057-222-09-0-00-00-005.00-0	R9282	Wiens, David G Trust	--	SW4 & SW4NW4 Less ROW Sec 9 T 21 R 3
057-212-09-0-00-00-008.00-0	R9105	Savage, Ronald E & Rebecca A	--	S/2 E/2 E/2 NE/4 Less ROW Sec 9 T 21 R 4
057-212-09-0-00-00-009.00-0	R9106	Waner, Gary Francis & Karen Kay	--	S/2 E/2 W/2 NE/4 & S/2 W/2 E/2 NE/4 L Ess ROW Sec 9 T 21 R 4
057-212-09-0-00-00-006.01-0	R9102	Zook, Ramon R	--	W/2 SE/4 Less ROW Sec 9 T 21 R 4
057-213-07-0-00-00-007.00-0	R9130	Keirns, Larry L Trust	--	NW/4 SE/4 Less ROW Sec 7 T 21 R 4
057-212-09-0-00-00-005.01-0	R9100	Waner, Bernard & Janice	--	Pt SW/4 Beg 623' N SE/C SW/4 T H W 690' N 221' W 1960' N 1774' E 2637' S 2023' To POB Less ROW Sec 9 T 21 R 4
057-221-11-0-00-00-004.01-0	R9255	Rogers, Kenneth W	--	Pt W/2 SW/4 Beg 626' N SW/C SW /4 Th N 2017' To NW/C E 1405' S 1953' SWly 284' SWly 194' W 892' To POB Less ROW Sec 11 T 21 R 3
057-221-12-0-00-00-004.00-0	R9261	Hett, Clifford J RLT	--	S1/2 NW1/4 & E/2 SW/4 Less ROW Sec 12 T 21 R 3
057-222-09-0-00-00-003.00-0	R9280	Hett, Neil	1509 120th, Peabody, KS	N/2 NW/4 NW/4 Less ROW Sec 4 T 21 R 3
057-222-10-0-00-00-003.00-0	R9286	Leppke, Wilbur R Trust	--	W/2 NW/4 Less ROW Sec 10 T 21 R 3
057-213-07-0-00-00-002.01-0	R305403	Hett, David C & Michele D	--	Prt NW/4 Beg SE/C NW/4 W on S Li 820' N 919' E 339' NEly 124' NEly 220' NEly 125' NEly 66' NEly 60' NEly 65' Sely 47' Sely 54' Sely 60' E 99.51' To E Li NW/4 S On E Li 1454' To POB Less ROW Sec 7 T 21 R 4
057-212-09-0-00-00-003.01-0	R9098	Tharp, Blair R RLT	--	SE/4 NW/4 Sec 9 T 21 R 4
057-212-10-0-00-00-003.00-0	R9109	Carpenter, William R Trust	--	S/2 NW/4 Less ROW Sec 10 T 21 R 4

Parcel Number	Quick Ref	Owner	Property Address	Legal Description
057-221-11-0-00-00-003.00-0	R9253	Richter, Noah D & Alexandria	1158 Pawnee, Peabody, KS	Beg SW/C NW/4 N on W Li 1318.42' E 425.74' S 1320.46' To S Li NW/4 W 425.74' To POB Less ROW Sec 11 T 21 R 3
057-213-08-0-00-00-004.00-0	R9134	Hett, Donald R & Dawn D RLT	--	S/2 NE/4 Less ROW Sec 8 T 21 R 4
057-216-14-0-00-00-003.00-0	R9184	Robinson, William P & Edna M	2335 110th, Florence, KS	N/2 NW/4 Less ROW Sec 14 T 21 R 4
057-216-14-0-00-00-001.00-0	R9181	Riggs, Mahlon B	2373 110th, Florence, KS	E/2 Sec 14 Lying N Of Doyle Exc Beg NW/C NE/4 Th S 462' E 462' N 462' W 462', To POB & Exc Beg NE/C NE/4 Th S 881.11' W 74.71' To ROW LiNE Us 50 & POB; Th SWly Alg ROW 132.44' SWly 217.32, SWly 399.76 SWly 491.30 Nrlly 715.60 E 898.97 To POB Less ROW Sec 14 T 21 R 4
057-213-08-0-00-00-003.00-0	R9133	Waner, Bernard	2060 110th, Peabody, KS	S/2 Sec 8 Less ROW Sec 8 T 21 R 4
057-213-07-0-00-00-006.00-0	R9129	Keirns, Larry L Trust	--	S/2 SE/4 & NE/4 SE/4 Less ROW Sec 7 T 21 R 4
057-214-17-0-00-00-002.00-0	R9136	Hett, Clifford J RLT	1080 Sunflower, Peabody, KS	NW/4 & SW/4 Less ROW Sec 17 T 21 R 4
057-226-14-0-00-00-002.00-0	R9392	Olsen, James A & Sarah J	--	NE1/4 NW1/4&E1/2 NW1/4 NW1/4 Less Pt Of E 3/4 N1/2 NW1/4 Beg NW/C S Along W LiNE 510 E 454' N 510' W 454' To POB Less ROW Sec 14 T 21 R 3
057-226-13-0-00-00-002.02-0	R9386	Larsen, Marvin D RLT	--	NE/4 & W/2 Sec 13 Exc Beg At A Pt On W Li NW/4 42' N SW/C E 155.11' NW 464.36' NE 637.75' NE 191.53' NE 177.71' NE 466.42' NW 259.63' NE 253.65' NE 188.43' To N Li NE/ 4 Th W 574.19' Th S 26023.3' To POB Less ROW Sec 13 T 21 R 3
057-226-14-0-00-00-001.00-0	R9391	Williams, Twilah L RLT	--	N1/2 NE1/4 Less ROW Sec 14 T 21 R 3
057-213-07-0-00-00-004.00-0	R9127	Regier, Herbert D & Wilma P Trust	--	W/2 SW/4 Less ROW Sec 7 T 21 R 4
057-213-07-0-00-00-003.00-0	R9126	Hett, Donald R & Dawn D RLT	--	NE/4 SW/4 Less ROW Sec 7 T 21 R 4
057-221-12-0-00-00-009.00-0	R9265	Krehbiel, Ken D & Cheri L	--	N1/2 Se1/4 Less ROW Sec 12 T 21 R 3
057-212-09-0-00-00-007.00-0	R9104	Savage, Ronald E & Rebecca A	--	E/2 SE/4 Less ROW Sec 9 T 21 R 4
057-212-09-0-00-00-006.02-0	R9103	Savage, Ronald E & Rebecca A	--	Prt SW/4 Sec 9 Beg SW/C SW/4 T H NWly 869.20' Ely 1960.56' SE Ly 844.46' To S Li SW/4 Th W 1 958.56' To POB Less ROW Sec 9 T 21 R 4
057-213-07-0-00-00-005.00-0	R9128	Hett, Donald R & Dawn D RLT	--	SE/4 SW/4 Less ROW Sec 7 T 21 R 4
057-221-12-0-00-00-008.00-0	R9264	Morse, Paul R Trust	--	S1/2 Se1/4 Less ROW Sec 12 T 21 R 3
057-223-08-0-00-00-005.00-0	R9320	Seibel, Emery G & Frances K RLT	--	SE1/4 Less ROW Sec 8 T 21 R 3
057-221-02-0-00-00-003.02-0	R305410	Hett, Eldon L & Rhonda L	--	Beg SW/C SW/4 E 1125' On S Li SW/4 To Cntr Existing Hedge ROW For POB N On Cntr Of Said Existing Hedgerow & Hedgerow ExtdNEd To N SW/4 E On N Li To SW/4 NE/C SW/4 S On E Li SW/4 SE/C SW/4 W On S Li SW/4 To POB Exc Beg SE/C SW/4 N On E Li SW/4 1366' To P Sec 2 T 21 R 3
057-212-09-0-00-00-004.01-0	R307408	Westar Energy, Inc	1186 Timber, Florence, KS	NW/4 NW/4 Less ROW Sec 9 T 21 R 4
057-225-16-0-00-00-005.00-0	R9367	Andres, Eldon Trust	--	S/2 SE/4 Less Rr ROW & Rd ROW Sec 16 T 21 R 3
057-228-28-0-00-00-003.01-0	R9434	Scully, Brian C	--	SW/4 & S/2 NW/4 Lying W Rr ROW Exc Beg 926' N SW/C SW/4 N 345 E 379' S 345' W 379' To POB Less ROW Sec 28 T 21 R 3
057-178-34-0-00-00-009.04-0	R305580	Suderman, Gilbert W Trust	--	All That Part N/2 N/2 S/2 SE/4 Lying E Union Pacific Railroad ROW & W of Marion County ROW Less ROW Sec 34 T 20 R 3
057-178-33-0-00-00-004.01-0	R7285	Hiebert, Marilyn K & Paul W	--	SW4 & SW4 Se4 Less ROW Sec 33 T 20 R 3
057-222-04-0-00-00-002.00-0	R9272	Suderman, Rodney E Trust	--	NW/4 Less ROW Sec 4 T 21 R 3
057-179-32-0-00-00-006.00-0	R7325	Wait George D Trust	--	SE1/4 Less ROW Sec 32 T 20 R 3
057-212-09-0-00-00-009.01-0	R308467	Savage, Ronald E & Rebecca A	--	S/2 W/2 W/2 NE/4 Less ROW Sec 9 T 21 R 4
057-212-09-0-00-00-002.01-0	R308469	Savage, Ronald E & Rebecca A	--	N/2 W/2 W/2 NE/4 Less ROW Sec 9 T 21 R 4
057-178-34-0-00-00-005.00-0	R7290	Mcginness Edward & Ruth Trust	--	NE/4 NE/4 Less Blks 1-3 1st Addn AulNE Less ROW Sec 34 T 20 R 3
057-226-23-0-00-00-005.00-0	R9406	Slocombe, William Warren RLT	--	N50ac Se1/4 Less ROW Sec 23 T 21 R 3
057-226-23-0-00-00-001.00-0	R9402	Kirkpatrick Jr, Ronald Duane & Helen Lorene	--	W/2 NE/4 Less ROW Sec 23 T 21 R 3
057-226-23-0-00-00-001.01-0	R302489	Slocombe, William Warren RLT	--	E/2 NE/4 Less ROW Sec 23 T 21 R 3
057-178-27-0-00-00-005.00-0	R7266	Suderman, Joel E Trust	--	W 1265' Of S/2 SE/4 Less ROW Sec 27 T 20 R 3

Parcel Number	Quick Ref	Owner	Property Address	Legal Description
057-178-28-0-00-00-006.00-0	R7279	Suderman, Joel E Trust	--	W/2 SE/4 Less ROW Sec 28 T 20 R 3
057-178-28-0-00-00-007.00-0	R7280	Qualley, Wayne C & Deanna G Trust	--	E/2 SE/4 Less ROW Sec 28 T 20 R 3
057-178-27-0-00-00-004.00-0	R7265	Just Farms LLC	--	E/2 SW/4 Less ROW Sec 27 T 20 R 3
057-213-07-0-00-00-002.00-0	R9125	Hett, Edward J RLT	--	NW/4 Exc Beg SE/C NW/4 W on S Li 820' N 919' E 339' NEly 124' NEly 220' NEly 125' NEly 66' NEly 60' NEly 65' Sely 47' Sely 54' Sely 60' E 99.51' To E Li NW/4 S On E Li 1454' To POB Less ROW Sec 7 T 21 R 4
057-221-02-0-00-00-003.00-0	R9245	Hett, David C & Michele D	--	Prt SW/4 Beg SW/C SW/R E 1125' On S Li SW/4 To Cntr Existing Hedgerow N On Cntr Of Said Existing Hedgerow 1320' To POB W To Cntr Catlin Creek In A SWly & Wly Direction On The Cntr Of Catlin Creek To Wi Li SW/4 N On W Li SW/4 To NW/C SW/4 E On N Li SW/4 Sec 2 T 21 R 3
057-221-02-0-00-00-003.03-0	R307340	Hett, Justin T & Brea A	--	Prt SW/4 Beg SE/C SW/4 N On E Li SW/4 1366' To POB W 575' N 865', M Or L, To Cntr Catlin Creek Sely With Meanderings Of Catlin Creek 685', M Or L, To E Li SW/4 S 725', M Or L, To POB Less ROW Sec 2 T 21 R 3
057-178-34-0-00-00-009.02-0	R304178	Suderman, Rodney E Trust	--	All That Prt S/2 S/2 SE/4 & S/2 N/2 S/2 SE/4 Lying E Union Pacific Railroad ROW & W of Marion County ROW Less ROW Sec 34 T 20 R 3
057-224-17-0-00-00-003.00-0	R9325	Wait Family RLT--Gregory's Share	--	SW1/4 Exc Beg NW/C SW1/4 Th E 390'(S) S 260' W 350'(S) N 260' To POB Less ROW Sec 17 T 21 R 3
057-222-10-0-00-00-004.00-0	R9287	Slocombe RLT	--	70 Acres, More or Less, Located West Of The Railroad Tracks Sec 10 T 21 R 3
057-222-10-0-00-00-004.01-0	R303458	Sears, Elaine Laverne RLT	--	75 Acres, More or Less, Located East Of Railroad Tracks In SW/4 Less ROW Sec 10 T 21 R 3
057-178-34-0-00-00-009.00-0	R7294	Suderman, Gilbert W Trust	--	N/2 SE/4 Lying E of Union ROW Less ROW Sec 34 T 20 R 3
057-178-33-0-00-00-004.00-0	R7284	Suderman, Joel E Trust	1337 Old Mill, Marion, KS	E2 Se4 & NW4 Se4 Less ROW Sec 33 T 20 R 3
057-178-34-0-00-00-007.00-0	R7292	Suderman, Jerry D RLT	--	W/2 SW/4 Less ROW Sec 34 T 20 R 3
057-178-34-0-00-00-008.00-0	R7293	Suderman, Rodney E Trust	--	E/2 SW/4 Less ROW Sec 34 T 20 R 3
057-177-35-0-00-00-026.00-0	R7255	Nellans, Martin R RLT	--	SW/4 Less ROW Sec 35 T 20 R 3
057-177-35-0-00-00-027.01-0	R7257	Robertson, Max E	1766 130th, Marion, KS	Pt SE/4 Beg SW/C SE/4 Th E 111 0' N 575' W 1110' S 575' To Po B Less ROW Sec 35 T 20 R 3
057-179-32-0-00-00-005.00-0	R7324	Delk, Elmer R	1302 Mustang, Marion, KS	S1/2 SW1/4 Less ROW Sec 32 T 20 R 3
057-178-34-0-00-00-009.01-0	R7295	Suderman, Joel E Trust	--	Part Se4 Lying W Rr ROW Exc N2 Se4 Lying W Rr ROW & Less Rd ROW Sec 34 T 20 R 3
057-188-34-0-00-00-004.00-0	R8358	Kelly, Robert E Trust	--	SE/4 SW/4 & SW/4 SE/4 Less ROW Sec 34 T 20 R 4
057-178-33-0-00-00-001.00-0	R7281	Suderman, Joel E Trust	--	NE/4 Less ROW Sec 33 T 20 R 3
057-178-34-0-00-00-006.00-0	R7291	Suderman, Rodney E Trust	--	NW/4 NE/4 & All NW/4 Less ROW Sec 34 T 20 R 3
057-177-35-0-00-00-001.00-0	R7231	Just, Eugene & Betty Jt RLT	--	NE4 Exc Beg 694' E NW/C NE4 S 758' E 900' N 758' W 900' To POB Less ROW Sec 35 T 20 R 3
057-189-31-0-00-00-002.00-0	R8375	Leppke, Lyle K & Ann M	--	NW/4 Less Beg NW/C NW/4 Th E 1 575.75' S 247' SW 225' W 1518' N 470.75' POB Less ROW Sec 31 T 20 R 4
057-189-32-0-00-00-005.00-0	R8382	Hamm, Garry W	1328 Sunset, Marion, KS	NE/4 SW/4 Less ROW Sec 32 T 20 R 4
057-189-31-0-00-00-001.01-0	R8374	Carpenter, William R Trust	--	That Prt Se4 Lying E Sunflower Rd Sec 31 T 20 R 4
057-178-34-0-00-00-005.01-0	R302493	Mcginness Edward & Ruth Trust	--	S/2 NE/4 & All That Part N/2 SE/4 Lying W Rr ROW & N Hedge Fence Running E & W Through Said 1/4 Sec About 4 Rods N of The Center Of Same Less ROW Sec 34 T 20 R 3
057-177-35-0-00-00-025.00-0	R7254	Olsen, Terry L	1360 Pawnee, Marion, KS	E/2 NW/4 Less 50 Ac & SW/4 NW/ 4 Ess Rr ROW & Lot E Blk 11 Sec 35 T 20 R 3
057-222-04-0-00-00-001.00-0	R9271	Suderman, Rodney E Trust	1255 Old Mill, Marion, KS	NE/4 Less ROW Sec 4 T 21 R 3
057-222-03-0-00-00-001.00-0	R9266	Penner, Karen L Trust	--	All That Prt N2NE4 Lying E of Rr ROW Less Rd ROW Sec 3 T 21 R 3
057-221-02-0-00-00-001.00-0	R9243	Nellans, Martin R RLT	--	N1/2 Sec 02 Exc Beg NW/C NE1/4 Th E 825 S 660 W 825 N 660 To POB Less ROW Sec 2 T 21 R 3
057-221-01-0-00-00-003.00-0	R9241	Hett, James & Carol Trust	1258 Quail Creek, Marion, KS	W1/2 NW1/4 Less ROW Sec 1 T 21 R 3
057-222-03-0-00-00-001.01-0	R9267	Suderman, Gilbert W Trust	--	All That Part S2NE4 Lying E Rr ROW Less Rd ROW Sec 3 T 21 R 3
057-212-04-0-00-00-003.00-0	R9090	Zook, Ramon R	--	S/2 NW/4 Less ROW Sec 4 T 21 R 4
057-211-02-0-00-00-003.00-0	R8983	Neville, Jacqueline A	--	S/2 NW/4 & SW/4 Less ROW Sec 2 T 21 R 4
057-223-05-0-00-00-002.00-0	R9293	Lange, Byron & Luralee RLT	--	NW1/4 Less ROW Sec 5 T 21 R 3

Parcel Number	Quick Ref	Owner	Property Address	Legal Description
057-213-05-0-00-00-002.00-0	R9114	Hett, Donald R & Dawn D RLT	--	NW/4 Less ROW Exc a Tract Beg NW Cor Sec 5 Th E 81.8' SE 100 SW 200' S 800' W To W LiNE Of Sec 5 N Along W LiNE To POB Sec 5 T 21 R 4
057-213-05-0-00-00-001.00-0	R9113	Leppke, Lyle K & Ann M	--	E/2 Sec 5 Less ROW Sec 5 T 21 R 4
057-212-04-0-00-00-001.00-0	R9088	Sharp, Douglas A	--	NE/4 Less ROW Sec 4 T 21 R 4
057-211-02-0-00-00-002.01-0	R8982	Moore, John L	--	N/2 NW/4 Less 20' Strip Alg So Side There Of & That Prt NW/4 NE/4 Lying West of Public High Way Sec 2 T 21 R 4
057-221-01-0-00-00-002.00-0	R9240	Hett, James & Carol Trust	--	E1/2 NW1/4 Less ROW Sec 1 T 21 R 3
057-177-35-0-00-00-027.00-0	R7256	Robertson, Max Eugene	--	SE/4 Exc Beg SW/C SE/4 E 1110' N 575' W 1110' S 575' To POB Less ROW Sec 35 T 20 R 3
057-213-06-0-00-00-003.00-0	R9118	Just, Eugene & Betty Jt RLT	--	E2N2NW4 Sec 6 T 21 R 4
057-213-06-0-00-00-001.00-0	R9116	Stenzel, Archie L & Maryellyn Joint Family Trust	1297 Sunflower, Marion, KS	NE/4 Exc Beg SW/C E 470' N 113 0' W 480' S 1130' To POB Less ROW Sec 6 T 21 R 4

2.0 INTRODUCTION

2.1 PURPOSE

This report presents the findings of an environmental assessment of the subject property listed in the Executive Summary through a reviewed of historical sources, available regulatory files, and performance of a site visit by an environmental professional. Allied Environmental Consultants (AEC) completed this assessment in general accordance with the requirements of ASTM International Standard E1527-13.

2.2 SPECIAL TERMS AND CONDITIONS

Appendix 9.6 provides the terms and conditions for this work accepted by Expedition Wind on June 13, 2019. For the purpose of this report, the terms "subject property" and "site" will refer to the property shown in Figure 1, Appendix 9.1 and defined in the Executive Summary.

2.3 SCOPE OF WORK

Appendix 9.6 presents the scope of work performed for this assessment. AEC inspected adjoining properties and surrounding area to determine if businesses or other parties engage in activities that may affect environmental conditions of the site. AEC made inquiries of federal, state, and local agencies to determine if any potential environmental problems exist related to the site or adjoining properties. In addition, AEC contacted utility representatives and property representatives to inquire about environmental conditions on or around the subject property. AEC completed the field reconnaissance on July 2, 2019. Mr. Jesse Hopkins-Hoel provided AEC with directions to the subject site, site access, and a description of site improvements.

2.4 LIMITING CONDITIONS AND METHODOLOGY

AEC has prepared the findings and conclusions contained herein in accordance with the methodologies set forth in the protocol. The Standard describes these methodologies as representing good commercial and customary practice for conducting an ESA to identify recognized environmental conditions at the subject property. AEC has prepared the findings and conclusions to recognize the limitations inherent to the protocol, some of which are specifically set forth below. No other warranties are implied or expressed.

- Due to the number of parcels/addresses included in this Phase I, AEC did not request a City Directory search or interview the property owners as it was determined to not be reasonably ascertainable (as described in the ASTM Standard E1527-13 Section 3.2.77).

The Standard also places certain limitations regarding the use of this report by other parties, as well as consideration of new or other site information unavailable to AEC by the date completed.

2.5 DEVIATIONS

AEC performed the work represented in this report in general accordance with ASTM Standard E1527-13, entitled *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. There have been no notable deletions and/or deviations from this practice.

2.6 RELIANCE & USE

This ESA report is prepared for the exclusive use and reliance of Expedition Wind and National Renewable Solutions. AEC expressly prohibits the use or reliance by any other party without the written authorization from our client and except as defined under Section 2.7 Limitations.

The term of use for this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. Any other party wishing to use this report must satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

2.7 LIMITATIONS

Reliance on this ESA report by the client and authorized parties is subject to the terms, conditions and limitations stated in the proposal and ESA Report. The limitation of liability defined in AEC's proposal and stated herein is the aggregate limit of AEC's liability to the client and all relying parties.

This report addresses the historical and physical characteristics of the site with regard to possible recognized environmental conditions discernable at the time AEC performed the work. The report and associated data does not guarantee that a site is or is not free from conditions, materials, or substances that could adversely affect the environment or pose a threat to public health and safety. The report is a summary of existing conditions and we have based our conclusions upon a reasonable and knowledgeable review of the available data in accordance the standard and within the budgetary constraints imposed in the contract between Allied Environmental Consultants, Inc. and our client. If additional study by the client reveals new data, Allied Environmental Consultants, Inc., requests the opportunity to review the new data so that we may modify the conclusions presented herein if necessary.

This report has been prepared on behalf of, and for the exclusive use of our client solely as an environmental evaluation of the subject site. As a mutual protection to our client, the public, and ourselves, Allied Environmental Consultants reserves the right to approve the use of conclusions or extracts from this report. Allied Environmental Consultants, Inc. and the client have agreed, however, that the client may convey this report to the Buyer, Lender, and Title Insurance Company associated with the financial transactions concerning the site.

Conclusions stated herein refer only to the specific site at the time of the investigation. Allied Environmental Consultants, Inc. assumes that the data obtained, and the inferences made in the course of the investigation are reasonably representative of the property. We make no warranty, expressed or implied, except that we have performed our services in accordance with generally accepted practices and applicable regulations at the time and location of the study.

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3.0 USER PROVIDED INFORMATION

3.1 LOCATION AND LEGAL DESCRIPTION

The subject site is located across Butler and Marion Counties, Kansas (as shown in Table 1-1). Appendix 9.1, Figure 1 shows the site location. Appendix 9.4 provides the property's legal description.

3.2 USER QUESTIONNAIRE

The ASTM Standard **requires** the *user* to establish their knowledge of RECs in connection with the property. In order to meet this requirement, AEC has prepared a questionnaire addressing the *user's* knowledge of six potential conditions related to the subject property. Mr. Jesse Hopkins-Hoel has reviewed and answered the questionnaire, included in Appendix 9.2 and summarized in Table 3-1.

Table 3-1: Client Questionnaire Responses

Client Questionnaire Item	Client Response			EP Comments
	Yes	No	NA	
1. Aware of Any Environmental Liens		X		
2. Aware of Any Activity and Land Use Limitations		X		
3. Aware of Any Specialized Knowledge or Experience of the User		X		
4. Knowledge of Fair Market Value	X			
5. Commonly Known or Reasonably Ascertainable Information		X		
6. Obvious Indicators of Contamination		X		

3.3 PREVIOUS OWNERSHIP

AEC's review of the property history documentation acquired through aerial photographs, Sanborn Maps, and city directories precluded a need for the chain-of-title. However, AEC requested EnviroSite Corporation to research any environmental liens and/or activity use limitations (AULs) recorded for the subject property. Appendix 9.4 provides the related information.

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4.0 RECORDS REVIEW

AEC reviewed selected federal, state, tribal and/or local regulatory databases and historical records to identify potential environmental conditions associated with the site and nearby areas. Please note that information obtained through regulatory agency databases could be outdated due to the lag time between violations, permit reporting, etc.), and entry into the system.

4.1 PHYSICAL SETTING SOURCES

The following physical setting sources related to the subject property and surrounding area were reviewed to provide characteristics of surface and subsurface features that could influence transport (migration) of *hazardous substances* or *petroleum products* onto or from the property.

4.1.1 Topographic Map

The USGS 7.5 minute "Hillsboro, Kansas" quadrangle (dated 1971), "Marion, Kansas" quadrangle (dated 1971), "Lincolnvile SW, Kansas" quadrangle (dated 1989), "Cedar Point, Kansas" quadrangle (dated 1989), "Wonsevu, Kansas" quadrangle (dated 1989), "Florence, Kansas" quadrangle (dated 1989), "Peabody, Kansas" quadrangle (dated 1989), "Elbing, Kansas" quadrangle (dated 1989), "Peabody SE, Kansas" quadrangle (dated 1962), "Burns, Kansas" quadrangle (dated 1962) and "Florence SE, Kansas" quadrangle (dated 1962) show the site and vicinity occupies a hilly area (see Appendix 9.1). The general ground surface elevations range from **1,250** to **1,530** feet above mean sea level. The area drains to generally to the east.

4.1.2 Groundwater, Geology, and Soil

AEC reviewed the Kansas Geological Survey (KGS) WWC5 records to determine that the groundwater in the area of the subject site is approximately 10 to 50 feet below ground surface and, based on the surface topography flows, generally to the east following the bedrock surface. However there maybe areas within the large area of the subject site that may have different flow directions.

According to the US Department of Agriculture Soil Conservation Service bulletins, the soils throughout the area of the subject site are Irwin-Ladysmith Association, Labette-Tully-Sogn Association, Verdigris-Chase-Reading Association, and Irwin-Clime Association. The Irwin-Ladysmith Association consists of "deep, nearly level to moderately sloping, moderately well drained and somewhat poorly drained soils that have a clayey subsoil; on uplands." The Labette-Tully-Sogn Association consists of "deep to shallow nearly level to strongly sloping, well drained and somewhat excessively drained soils that have a clayey or silty subsoil; on uplands." The Verdigris-Chase-Reading Association consists of "deep, nearly level, moderately well drained, somewhat poorly drained, and well drained soils that have a silty or clayey subsoil; on flood plains and stream terraces." The Irwin-Clime Association consists of "deep and moderately deep, gently sloping to moderately steep, moderately well drained and well drained soils that have a clayey or silty subsoil; on uplands."

The area of the subject site is in the Flint Hills Uplands Region physiographic province of Kansas. Bedrock at the site is comprised of the Chase and Sumner Group. The Chase Group is early Permian aged rock and has a total approximate thickness of 335 feet with thick chert bearing limestone units that form prominent escarpments in the Flint Hills. The Sumner Group is late Permian aged rock and has a total approximate thickness of 450 feet to 700 feet in outcrops.

4.2 REGULATORY SOURCES

AEC performs this regulatory search as a due diligence search of the site and surrounding area given the nature of the regulatory systems and budgetary constraints of this investigation. Appendix 9.3 lists the standard environmental record sources required by the ASTM Standard, and the supplemental record sources added by AEC with the approximate search distances relative to the site location. AEC ordered a summary of databases maintained by the United States Environmental Protection Agency's (EPA's) national or region offices through Envirosearch Corporation. The summary included data for sites or facilities regulated under the Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response Compensation Liability Act (CERCLA), and other EPA programs.

AEC also ordered a summary of the databases maintained by Kansas Department of Health and Environment (KDHE) through Envirosearch Corporation and the Kansas Geological Society. The state database review included the state hazardous waste sites listing, the registry of Underground Storage Tanks (USTs), and the registry of water wells. AEC also obtains information, which is not included in the state's databases through personal interviews, and when appropriate, request letters.

The state databases included a list of three (3) "Orphan" sites that were unplotable due to inadequate address information, all of which are beyond the ASTM designated search distances. In addition, the KDHE Identified Sites List (ISL) was reviewed and found no additional sites that were not already covered in the regulatory database report.

AEC reviewed all the databases obtained from the Regulatory Report shown in Appendix 9.3, page 16, and identified the following listings within the ASTM designated search distances.

4.2.1 Federal Records

CERCLIS-No Further Remedial Action Planned (CERCLIS-NFRAP): CERCLIS-NFRAP archives sites that have been removed from the inventory of CERCLIS sites. Archived sites indicate that, to the best of EPA's knowledge, assessment at a site has been completed and that the EPA has determined no further steps will be taken to list this site on the NPL, unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. **Review of the CERCLIS-NFRAP database found one (1) listing within 0.50 mile of the subject site,** as summarized in the following table.

Table 4-1: Summary of CERCLIS-NFRAP Listings

CERCLIS Site Name	Location	Site Description	Date Archived
Total Pipeline – Mott Station*	SE ¼ Sec 10, T21, R3	Not on the NPL	11/1/1984

* This site is also included on the SEMS_8R_Archived Sites database.

RMP: A listing of facilities that produce, handle, process, distribute or store specific chemicals that are required to report to the EPA by the Clean Air Act. **Review of the RMP database found one (1) listing within 0.5 mile of the subject property,** as summarized in the following table.

Table 4-2: Summary of RMP Listings

Site Name	Address	Site Status
Burns/Farmers Grain Coop	E Broadway & Hwy 77	No Reported Accidents

4.2.2 State Records

Hazardous Waste Sites (HWS) List: The Kansas HWS is a listing of facilities that are suspected or known to be contaminated. The HWS list does not account for leaking USTs and the majority of spill sites. **Review of the HWS database found three (3) listings within 1.0 mile of the subject property,** as summarized in the following table.

Table 4-3: Summary of HWS Listings

HWS Site Name	Address	Contamination	Status
Frmr Great Western Petroleum	Florence	Petroleum	Resolved
Morris Property	Peabody	Metal, Pesticide, SVOC, VOC	Resolved
Farmers Grain Coop	301 Main	Nitrates	Active*

* AEC reviewed the KDHE ISL website and the most recent monitoring report available which is from October 2016 (http://kansas.kdhe.state.ks.us:1776/berisl/getDocument.kdhe_ber;jsessionid=90E6A39A10F1D090DCB67B7B8B44675E?documetntId=200000039P_0WPTJKCS7EV6) which shows in Figure 3 that the groundwater at this specific site is flowing to the northwest and any contamination is flowing away from the subject site.

Landfills: The landfill database was reviewed to determine if there are landfills within 0.50 mile of the site. **Review of the landfill database found three (3) listings within 0.50 mile of the subject property,** as summarized in the following table.

Table 4-4: Summary of LANDFILL Listings

Landfill Name	Address	Status
DWOP #307*	101 Washington	Closed; Post-closure care completed/not required
DWOP #129*	201 Main	Closed; Not Operated
City of Burns	Burns	Closed; Post-closure care completed/not required

* These sites are also listed on the HIST LF database.

Underground Storage Tanks (USTs): The Kansas Registry of USTs was reviewed to determine if there are USTs registered on the subject property, or adjacent properties. The UST database is reviewed to determine the potential for tank leakage or spills which may impact the environmental quality of the site. **Review of the UST database found two (2) listings within 0.25 mile of the subject property,** as summarized in the following table.

Table 4-5: Summary of UST Listings

Facility Name	Address	Tank Contents	Active/Inactive
One Stop Convenience*	Hwy 77	1 Diesel	0/1
		2 Gas	0/2
Mid-Kansas Coop	501 Broadway	2 Gas	0/2
		1 Diesel	0/1

* This site is also listed on the HIST UST and FRS databases.

Leaking Underground Storage Tanks (LUSTs): KDHE maintains a database listing known facilities with LUSTs. This database was reviewed to determine if there are LUSTs registered within 0.50 mile of the subject property and to determine the potential impact these facilities may have on the environmental quality of the site. **Review of the LUST database found one (1) listing within 0.50 mile of the subject property,** as summarized in the following table.

Table 4-6: Summary of LUST Listings

Facility Name	Address	Date of Discovery	Status	KDHE Comments
One Stop Convenience	Hwy 77	1/14/1998	Closed	(1)

(1) According to KDHE, if a site has been assigned a "closed" status, the known levels of contamination at the site do not exceed the cleanup levels established by the state at that time.

Aboveground Storage Tanks (ASTs): The Kansas Registry of ASTs was reviewed to determine if there are ASTs registered on the subject property, or adjacent properties. The AST database is reviewed to determine the potential for tank leakage or spills which may impact the environmental quality of the site. **Review of the AST database found two (2) listings within 0.25 mile of the subject property,** as summarized in the following table.

Table 4-7: Summary of AST Listings

Facility Name	Address	Tank Contents	Active/Inactive
Mid-Kansas Coop	501 Broadway	3 Unknown 3 Empty/Clean	0/3 0/3
Sunflower Quarry	2052 Timber	1 Empty/Clean	0/1

Voluntary Cleanup Program Sites (VCP): KDHE maintains a database of sites participating in the Voluntary Cleanup Program. **Review of the VCP database found one (1) listing within 0.5 mile of the subject property**, as summarized in the following table.

Table 4-8: Summary of VCP Listings

Facility Name	Address	Contaminants	Site Status
Farmers Grain Coop	301 Main	Nitrates	Active

State Spills: KDHE maintains a database of reported chemical spills in the State of Kansas. The database was reviewed to determine if there have been any documented chemical spills within the boundaries of the subject site. **Review of the State Spills database found six (6) listings of spills within the search area**, as summarized in the following table.

Table 4-9: Summary of State Spills Listings

Address	Spill Date	Material Spilled	Impacted Media	Status
.25-mile N of Burns	9/23/1987	Not Reported	Soil	Closed ^{1 2}
105 & Javier	8/12/2011	Oil	Soil & Water	Closed ^{1 2}
Highway 77, S of Florence	11/1/2000	Not Reported	Soil	Closed ^{1 2}
7-mile N of Burns	7/24/1984	Not Reported	Soil	Closed ^{1 2}
	9/19/2013	Antifreeze	Soil	Closed ¹
	1/11/2011	Diesel	Soil	Closed ^{1 2}
	4/21/2009	Fuel	Soil	Closed ¹
	6/1/1978	Crude Oil	Soil	Closed ²

¹ These spills were also included on the HIST SPILLS database.

² These spills are included on the SPILLS 2 database.

T-2 Facilities: The T-2 database is a listing of sites that must submit a hazardous chemical inventory report to KDHE. **Review of the T-2 database found eleven (11) listings within 0.25 mile of the subject property**, as summarized in the following table.

Table 4-10: Summary of T-2 Listings

Facility Name	Location	Chemical
Mid Kansas Coop	301 E Main	Anhydrous Ammonia; Potash Dry Fertilizer 0-0-60; Dry Fertilizer 12-40-0; Diammonium Phosphate 18-46-0; Urea Dry 46-0-0; Urea Ammonium Nitrate Solution 28-0-0; 10-34-0 Ammonium Polyphosphate; 12-40-0-7S-.5Zn;
Richard Morris-Bossen	Sec 24-T23S-R4E	Crude Oil
Richard Morris-Mclain	Sec 20-T23S-R4E	Crude Oil
Richard Morris-Parris A	Sec 20-T23S-R4E	Crude Oil
Trek Aec Loewen 3 SWD	Sec 8-T21S-R3E	Produced Salt Solutions
Trek Aec Loewen SWD	Sec 8-T21S-R3E	Produced Salt Solutions
Trek Aec-Good	Sec 18-T21S-R3E	Produced Hydrocarbons; Produced Salt Solution
Trek Aec-Good 1	Sec 18-T21S-R3E	Produced Hydrocarbons; Produced Salt Solution
Trek Aec-Good B #7	Sec 18-T21S-R3E	Produced Hydrocarbons; Produced Salt Solution
Trek Aec-Lange Friesen	Sec 5-T21S-R3E	Produced Hydrocarbons; Produced Salt Solution
Trek Aec-Lange Friesen 2	Sec 5-T21S-R3E	Produced Hydrocarbons; Produced Salt Solution

Water Pollution Control (WPC) and National Pollutant Discharge Elimination System (NPDES) Permits: The Clean Water Act regulates the discharge of pollution into receiving waters. The KDHE oversees this federal program by issuing and monitoring WPC and NPDES permits. **According to the KDHE Environmental Interest Finder website, there are no WPC or NPDES permits issued in the area of the site.**

Water Wells: The Kansas Registry of Water Wells was reviewed to determine if there are any water wells located within 0.50 mile of the subject property. **Review of the water well database found eighty-seven (87) wells**, which included forty-six (46) domestic wells, eight (8) lawn & garden wells, eighteen (18) livestock wells one (1) industrial well, one (1) irrigation well, one (1) public water supply well **and twelve (12) monitoring wells**. The monitoring wells listed in the following table provide information regarding the local landowners that have placed monitoring wells on their property. Monitoring wells are a concern because they could be monitoring a groundwater problem.

Table 4-11: Summary of Monitoring Wells

Owner	Location	Number of Wells
Burns Coop	Section 33, Township 22 South, Range 5 East	3
Mid Kansas Coop Association	Section 33, Township 22 South, Range 5 East	9

The above wells appear to be monitoring groundwater conditions at known regulated sites.

Oil and Gas Wells: The Kansas Geological Survey Oil and Gas Wells database was reviewed to determine if there have been any oil wells, gas wells, injection wells, or enhanced recovery wells within 0.50 mile of the subject property. **Review of the database found seven hundred and twenty-six (726) listings within 0.50 mile of the subject property**, as summarized in the table present in Appendix 9.3. Oil, gas and enhancement wells are a concern because an improperly plugged well could impact the environmental quality of the area soils and/or groundwater. AEC did not identify problems associated with the wells from the database review and interviews associated with this project.

4.3 HISTORICAL USE INFORMATION

The following available historical information was researched to obtain information regarding past use of the subject site and site vicinity.

4.3.1 Historical Aerial Photographs

AEC searched for available aerial photographs in possession of United States Department of Agriculture Soil Conservation Service, Landsat, Google Earth, United States Geological Service and National Aeronautics and Space Administration and reviewed those listed below to determine changes in structures and land use. Copies of representative aerial photographs are included in Appendix 9.1, but may not show all details described below due to reproduction constraints. Distances shown below are approximate.

1972: The 1972 Aerial Photograph just shows the southern portion of the Gen Tie Line in Butler County and shows that the subject site is along Highway 77 with no structures present, while the adjacent properties are primarily vacant agricultural fields.

1978: The 1978 Aerial Photograph shows the rest of the Gen Tie Line in Marion County and the parcels included in this Phase I ESA. This Aerial shows that the remainder of the Gen Tie Line is along Highway 77 with no structures present, while the adjacent properties are primarily vacant agricultural fields. The parcels portion of the subject site are primarily agricultural fields with some small farmhouses present throughout the property, while the adjacent properties are primarily vacant agricultural fields, farmhouses and one quarry located in Section 4, T21S, R4E.

1991: The 1991 Aerial Photographs shows that the Gen Tie Line is along Highway 77 with no structures present, while the adjacent properties are primarily vacant agricultural fields. The parcels portion of the subject site are primarily agricultural fields with some small farmhouses present throughout the area, while the adjacent properties are primarily vacant agricultural fields, farmhouses and one quarry located in Section 4, T21S, R4E.

2002: The 2002 Aerial Photograph shows that the Gen Tie Line is along Highway 77 with no structures present, while the adjacent properties are primarily vacant agricultural fields.

2004: The 2004 Aerial Photograph shows that the parcels portion of the subject site are primarily agricultural fields with some small farmhouses present throughout the area, while the adjacent properties are primarily vacant agricultural fields, farmhouses and one quarry located in Section 4, T21S, R4E.

2008: The 2008 Aerial Photograph shows that the Gen Tie Line and parcels portions of the subject site have similar uses to the 1991 Aerial Photograph.

2013: The 2013 Aerial Photograph shows that the Gen Tie Line is along Highway 77 with no structures present, while the adjacent properties are primarily vacant agricultural fields.

2014: The 2014 Aerial Photograph shows that the parcels portions of the subject site have similar uses to the 2008 Aerial Photograph.

2018: The 2018 Aerial Photograph shows that the Gen Tie Line is along Highway 77 with no structures present, while the adjacent properties are primarily vacant agricultural fields.

4.3.2 Fire Insurance Maps

Fire insurance maps were published in the past for urban areas to determine insurance rates and assist fire departments in fighting fires. The historic insurance maps can provide information about previous site uses and potential environmental concerns, such as past gasoline storage tank locations. Such maps are often referred to as Sanborn Maps after the most famous publisher of this type of document. AEC reviewed the fire insurance maps available from 1883 to 1922 through the University of Kansas Library and discovered there were none available for the area of the subject site.

4.3.3 Historical Topographic Maps

AEC examined the available topographic maps for this site to determine the presence of areas of environmental concern (i.e., wetlands, dumps, pits, etc.) and changes in land use. This section summarizes the pertinent information from this review. Appendix 9.4 provides representative copies of the maps. The copies may not show all details described below due to reproduction constraints.

1889/1898: The 1889/1898 Topographic map shows that the subject site has the Chicago, Kansas and Nebraska Railroad running to the northeast through the western portion of the parcels portion of the subject site and the Atchison, Topeka and Santa Fe, El Dorado Branch Railroad runs along the Gen Tie Line.

1955: The 1955 Topographic map shows that the subject site has the Chicago, Rock Island and Pacific Railroad running to the northeast through the western portion of the parcels portion of the subject site, oil fields are shown to be located to the south of the parcels portion and to the east of the Gen Tie Line (south of Florence), and the Gen Tie Line is shown to be running along Highway 77.

1985: The 1985 Topographic map shows that the subject site has a railroad running to the northeast through the western portion of the parcels portion of the subject site, there is an oil field shown to be to the west of the parcels portion of the subject site, there is a quarry located in Section 4, T21S, R4E, and the Gen Tie Line is shown to be running along Highway 77.

4.3.4 Land Record Cards

County assessor or appraiser offices often maintain records documenting changes in buildings for tax purposes. The Butler and Marion County Appraisers offices was contacted to determine the availability of land record cards for the subject property. The office personnel indicated that the cards contained in Appendix 9.4 are for the subject property.

4.3.5 City Directories

AEC typically requests a City Directory search through Envirosearch but did not for this Phase I ESA due to the determination that it is not reasonably ascertainable (as described in the ASTM Standard E1527-13 Section 3.2.77) because of the number of parcels/addresses included in this Phase I ESA.

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5.0 SITE RECONNAISSANCE

5.1 SITE AND VICINITY CHARACTERISTICS

5.1.1 General Land Use

The site is located in an area of primarily undeveloped farmland with some residences present.

5.1.2 Land Improvements

The site and vicinity improvements include paved and unpaved roads and drainage ways (site specific utilities are discussed in detail in Section 5.11).

5.2 SITE USE

5.2.1 Current Use and Zoning

The parcels portion of the site consists of approximately 18,860 acres and the Gen Tie Line is approximately 15 miles long. The subject properties are all shown to be agricultural and farm homesite in use.

5.2.2 Past Use

Based on the site reconnaissance and records review, past uses of the site consisted of primarily vacant agricultural land.

5.3 ADJOINING PROPERTIES

5.3.1 Current Use

The current use(s) of adjoining properties, observed during the site inspection, are shown below.

North: Immediately north of the subject site is agricultural land.

South: Immediately south of the subject site is agricultural land.

East: Immediately east of the subject site is agricultural land.

West: Immediately west of the subject site is agricultural land.

5.3.2 Past Use

The past uses of the adjoining properties appear to be primarily vacant agricultural land.

5.4 SITE INSPECTION

An AEC representative conducted an unescorted on-site inspection of the subject property on July 2, 2019. The AEC representative captured digital images during the site visit to document the observed conditions of the site. The following discussion references the images provided in Appendix 9.5.

The subject site consists of the Gen Tie Line and the parcel portion. The Gen Tie line runs along Highway 77 for approximately 15 miles (photographs 1 through 4). At the time of the site inspection, the parcel portion of the subject site consisted of grass fields, freshly cut wheat fields, and corn fields (photographs 5 through 12). There was no obvious indication of undocumented or recent fill on the subject site. AEC did not observe any unusual soil staining or stressed vegetation, or other visual indications of environmental concerns.

5.5 SAFETY DATA SHEETS

The subject site is currently vacant land and therefore does not have any material that requires a Safety Data Sheet.

5.6 LOCATION OF HAZARDOUS SUBSTANCES AND USAGE

No hazardous substances were observed during the site inspection.

5.7 BULK MATERIAL STORAGE

No bulk material storage was observed on the site.

5.8 TRANSFORMERS AND POTENTIAL PCB-CONTAINING VESSELS

There are electrical transformers at the site. Electrical transformers can be a concern due to potentially containing Polychlorinated Biphenyls (PCBs) in the transformer oil. If untested and manufactured before July 2, 1979, the EPA considers the oil to contain PCBs in the range of 50-500 parts per million (ppm). However, the EPA considers those transformers manufactured on or after July 2, 1979 to be non-PCB containing (less than 50 ppm), even if untested. AEC considers transformers observed to be in visibly good condition at the time of the site inspection are not a present environmental concern unless leakage occurs, at which time the power company should be notified.

5.9 SITE ENVIRONMENTAL PERMITS

The site does not hold any environmental permits at this time.

5.10 SUMMARY OF SITE UTILITIES

AEC observed or identified records indicating that a number of utilities serve the site or site area, as discussed in this section. No evidence, either observed or found in the records review, indicates that these utilities pose a significant potential to affect the environmental quality of the site.

Water Supply: Potable water supply is available to the area of the subject site through water wells and/or rural water districts.

Natural Gas and/or Propane: Natural gas and/or propane service is available to the area of the subject site.

Electrical Supply: Electrical power is available to the area of the subject site.

Sanitary Sewer: Sanitary Sewer service is available to the area of the subject site through lagoons and/or septic systems.

Storm Sewer: Storm water runoff is controlled by roadside ditches and natural drainage ways.

*_*_*_*_*

6.0 INTERVIEWS

This section summarizes interviews AEC made in person and by telephone with the various parties having knowledge of the site, or experiences of concern. Appendix 9.2 provides copies of the interview(s).

6.1 INTERVIEW WITH OWNER

As described in Section 2.4, the owners were not interviewed during the course of this Phase I ESA due to the determination that it was not reasonably ascertainable (as described in the ASTM Standard E1527-13 Section 3.2.77) because of the number of parcels/addresses included in this Phase I ESA.

6.2 INTERVIEW WITH SITE MANAGER

No site manager was interviewed during the course of this Phase I ESA.

6.3 INTERVIEWS WITH OCCUPANTS

No occupants were interviewed during the course of this Phase I ESA.

6.4 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

Due to the amount of information available on KDHE's website for regulatory sites, no government officials were interviewed.

6.5 INTERVIEWS WITH OTHERS

Mr. Jesse Hopkins-Hoel (VP of Development, National Renewable Solutions):
Mr. Hopkins-Hoel signed AEC's proposal and completed the user questionnaire.

Ms. Lindsey Ransom (Chief Operating Officer, National Renewable Solutions):
Ms. Ransom provided AEC with the environmental liens and AUL searches that had been completed.

Mr. Blake Johnson (Project Developer-Site Acquisition, National Renewable Solutions):
Mr. Johnson provided AEC with the parcel/GIS data.

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7.0 EVALUATION

7.1 FINDINGS WITH OPINIONS

The findings of the ESA for the Expedition Wind Property, located in Butler & Marion Counties, Kansas (as shown in Table 1-1) property and vicinity are summarized below along with AEC's opinion and rationale for those opinions relevant to recognized environmental conditions (RECs) as derived from these findings.

Existing Site Conditions: The subject site consists of the Gen Tie Line and the parcel portion. The Gen Tie line runs along Highway 77 for approximately 15 miles. At the time of the site inspection, the parcel portion of the subject site consisted of grass fields, freshly cut wheat fields, and corn fields. There was no obvious indication of undocumented or recent fill on the subject site. AEC did not observe any unusual soil staining or stressed vegetation, or other visual indications of environmental concerns. **In AEC's opinion, the existing site conditions do not represent a REC to the subject site.**

Property History Review: **In AEC's opinion, the review of historical documents and information for the subject property obtained during the course of this Phase I ESA did not identify RECs or HRECs.** Based on the property history review, the subject site has been primarily agricultural land.

Area Inspection: Visual observations made during the site inspection found no indications of environmental concerns on the adjacent properties. As such, **it is AEC's opinion that RECs are not associated with property adjacent to the subject site.**

Regulatory Review: AEC's review of various documents and data indicates that a number of regulated facilities exists within the respective search distances, as shown below, and used during this Phase I ESA.

- There is one (1) CERCLIS-NFRAP facility, Total Pipeline – Mott Station, that is present within the designated search distance. **It is AEC's opinion that this site is not a REC as EPA has archived the site, meaning the federal government believes the site is no longer a concern.**
- There is one (1) RMP facility shown to be within 0.5 mile of the subject site that has had no reported accidents and **in AEC's opinion does not represent a REC to the subject site.**
- There are three (3) Kansas HWS sites shown to be within 1.0 mile of the subject site, two (2) of which are shown to be "resolved" by KDHE. The other one (1) HWS site is the Farmers Grain Coop in Burns. AEC reviewed the KDHE ISL website and the most recent monitoring report available from October 2016, which shows in Figure 3 that the groundwater at this specific site is flowing to the northwest and any contamination is flowing away from the subject site. Based on this information, **it is AEC's opinion that the HWS sites do not represent a REC to the subject site.**
- There are three (3) Landfills present within 0.50 mile of the subject site, all of which are shown to be closed with no reported issues and **in AEC's opinion do not represent a REC to the subject site.**
- There are two (2) UST and one (1) LUST sites located within the designated search distances from the site. One (1) of the UST sites is included on the LUST database and the other one (1) UST has had no reported issues. The one (1) LUST site, One Stop Convenience, is shown to be "closed" by KDHE. Based on this information, **it is AEC's opinion that the UST and LUST sites do not represent a REC to the subject site.**

- There are two (2) AST sites located within 0.25 mile of the subject site, neither of which have had any reported issues and all of the tanks are shown to be inactive. Based on this information, **it is AEC's opinion that the AST sites do not represent a REC to the subject site.**
- There is one (1) VCP site shown within 0.5 mile of the subject that is shown to be "active" by KDHE, however as described under Table 4-3 any contamination is shown to be flowing away from the subject site and **in AEC's opinion does not represent a REC to the subject site.**
- There are six (6) State Spills shown to be within the ASTM designated search distance from the subject site, all of which are shown to be "closed" by KDHE and **in AEC's opinion do not represent a REC to the subject site.**
- There are eleven (11) T-2 Facilities shown to be within 0.25 miles of the subject site with no reported incidents and **in AEC's opinion do not represent a REC to the subject site.**
- AEC found twelve (12) monitoring wells listed in the water well database located within 0.5 miles from the subject site. **It is AEC's opinion that none of these monitoring wells represents RECs as they are all monitoring groundwater conditions at known regulated sites described above.**
- The Kansas Geological Survey Oil and Gas Wells database was reviewed and found seven hundred twenty-six (726) wells listed within 0.5 mile of the subject site. **It is AEC's opinion that these wells do not represent a REC to the subject site since there are no reported issues with any of the wells.**

7.2 CONCLUSIONS

AEC prepared this report in general accordance with ASTM Standard E1527-13, entitled *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This standard, which provides the definition of a REC, is used by AEC in preparing our opinion regarding a subject property's environmental condition at the time of inspection.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of Expedition Wind Property, located in Butler & Marion Counties, Kansas (as shown in Table 1-1), the property. Any exceptions to, or deletions from, this practice are described in Section 7.3 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property.

7.3 SIGNIFICANT DATA GAPS

AEC did not encounter significant data gaps during this project.

7.4 REFERENCES

SOURCE: EnviroSite Corporation
TYPE: Database
DATE: June 2019
REFERENCE: U.S. EPA NPL, U.S. EPA TSD, State SCL, U.S. EPA CERCLIS, State LUST, State SWLF, State UST, State AST, U.S. EPA ERNS, U.S. EPA LG. GEN, U.S. EPA SM. GEN, Sanborn Maps, City Directory

SOURCE: Kansas Department of Health and Environment
CONTACT: LUST Database
DATE: August 2019
REFERENCE: LUST Sites

SOURCE: Kansas Department of Health and Environment
CONTACT: Environmental Interest Finder Website
DATE: August 2019
REFERENCE: WPC/NPDES Permits and KDHE Regulated Search for any Changes Since the Regulatory Report

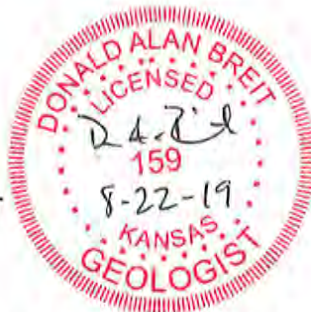
SOURCE: United States Department of Agriculture, Soil Conservation Service
DATE: August 2019
REFERENCE: Aerial Photographs

SOURCE: Google Earth
DATE: August 2019
REFERENCE: Aerial Photographs

7.5 SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)



DON A. BREIT, P.G.
PROFESSIONAL GEOLOGIST



I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. I have developed and performed the all appropriate inquiries in conformance with the standards set forth in 40 CFR Part 312.

*_*_*_*_*

8.0 NON-SCOPE SERVICES

Non-Scope Considerations (ASTM E1527-13): There may be environmental issues or conditions at this site that are outside the scope of this practice (non-scope considerations), and which may require additional investigation. Some substances may be present on a property in quantities and under conditions that may lead to contamination of the property, or of nearby properties, but are not included in CERCLA's definition of hazardous substances, or do not otherwise present potential CERCLA liability. Some of the more common non-scope considerations are asbestos, radon, lead-based paint, lead in drinking water, wetlands, etc.

The client did not request AEC perform additional services with this ESA.

*_*_*_*_*

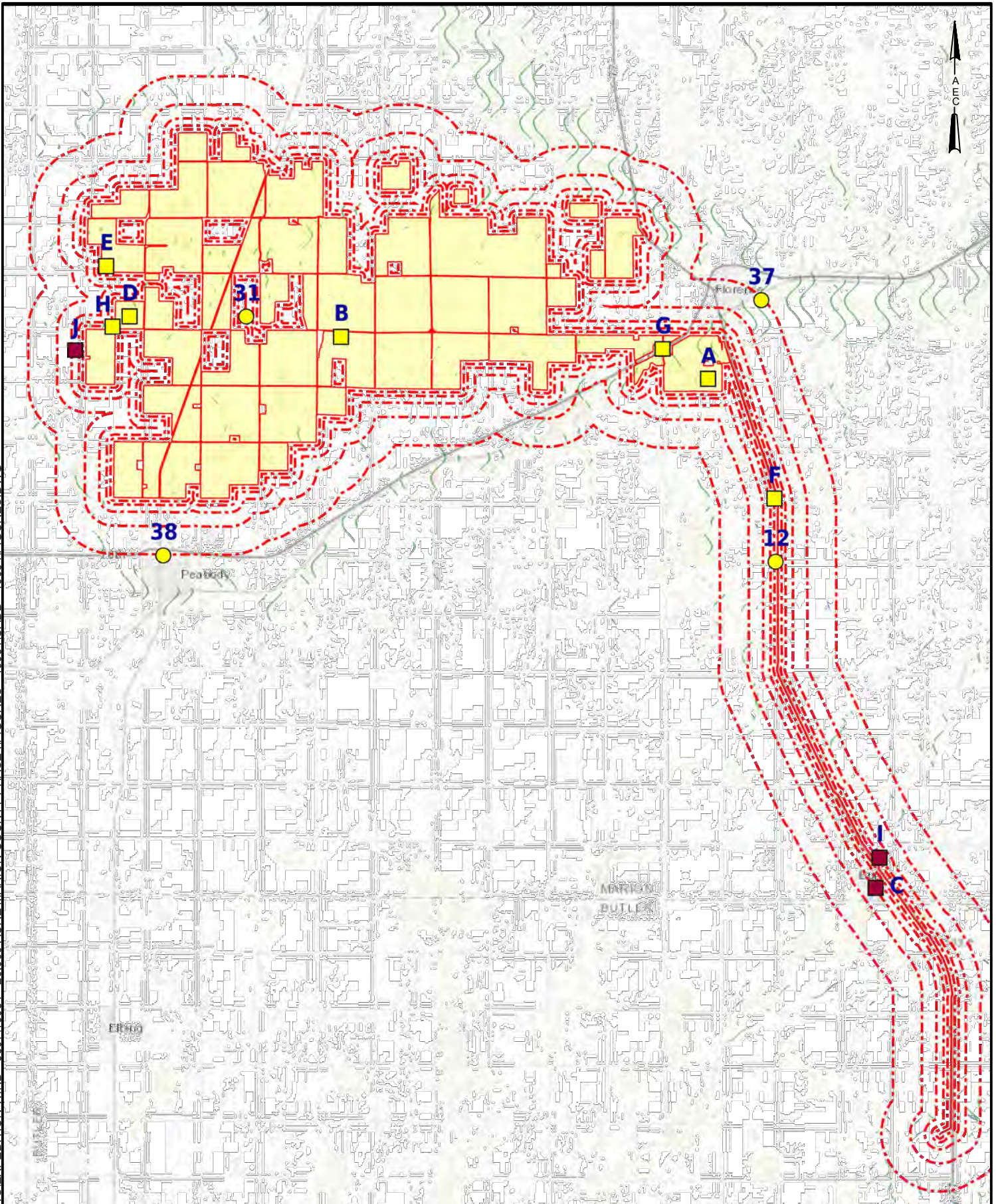
9.0 APPENDICES

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APPENDIX 9.1

FIGURES

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



SOURCE: EnviroSite Corporation



214 N ST FRANCIS • WICHITA, KS 67202 • 316.262.5698

PROPERTY PROXIMITY MAP
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 19054:5307

SCALE: NTS

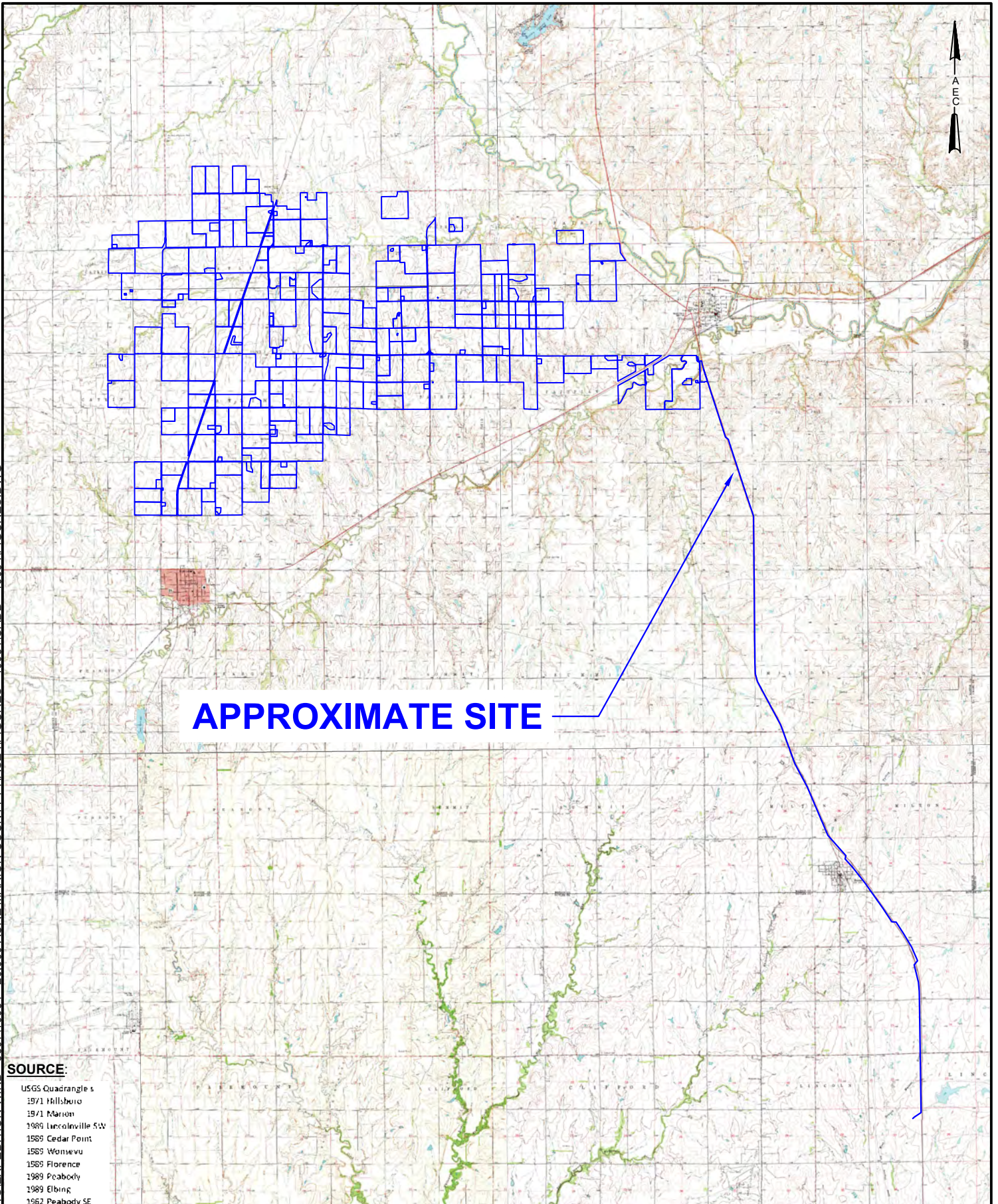
DATE: 8/20/2019

DWN BY: SMB CHKD BY: DAB

FIGURE

1

SHT: 1.OF.22



SOURCE:

USGS Quadrangles
 1971 Hillsboro
 1971 Marion
 1986 Lincolnville SW
 1989 Cedar Point
 1989 Wamego
 1989 Florence
 1989 Peabody
 1989 Elbing
 1962 Peabody SE
 1962 Burns
 1962 Florence SE



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**TOPOGRAPHIC MAP
 PHASE I ESA
 EXPEDITION WIND**

BUTLER & MARION COUNTIES, KANSAS

PROJECT: 19054:5307

SCALE: 1"=12500'

DATE: 8/20/2019

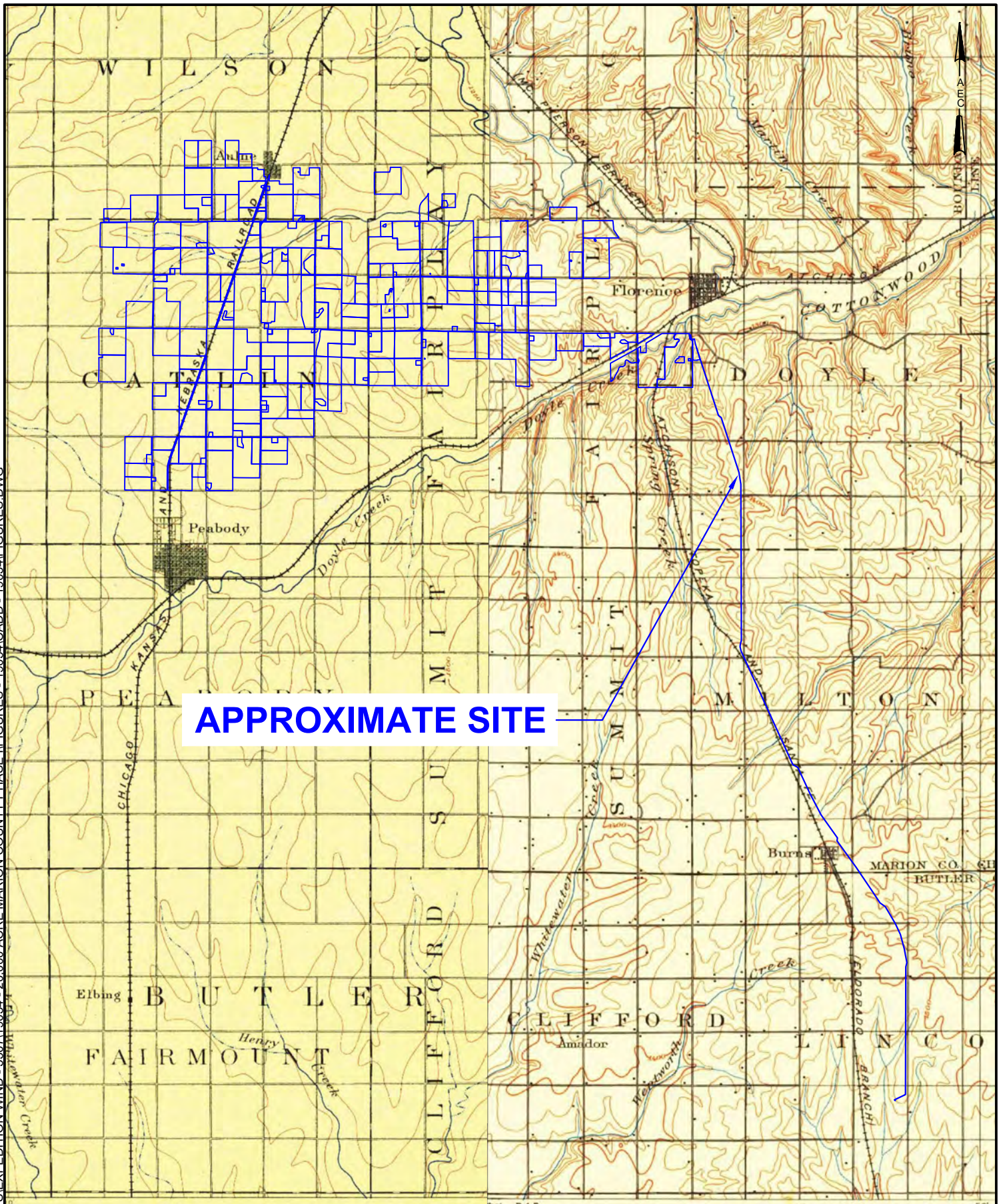
DWN BY: SMB | CHKD BY: DAB

FIGURE

2

SHT: 2.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: 1889 NEWTON, KANSAS & 1898 COTTONWOOD FALLS, KANSAS



1889 & 1898 TOPOGRAPHIC MAP
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 19054:5307

SCALE: 1"=12500'

DATE: 8/20/2019

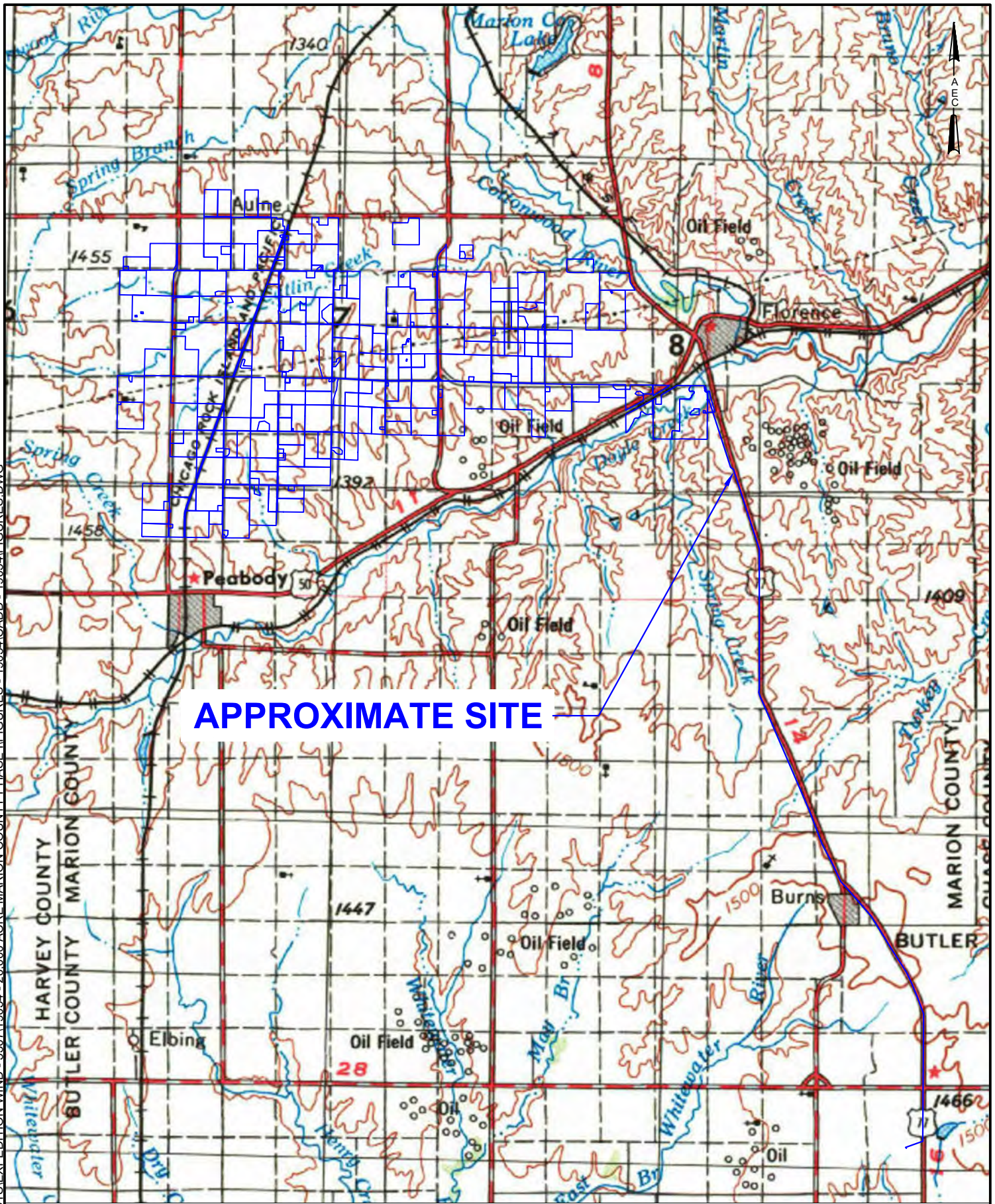
DWN BY: SMB CHKD BY: DAB

FIGURE

3

SHT: 3.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: 1955 HUTCHINSON, KANSAS QUADRANGLE

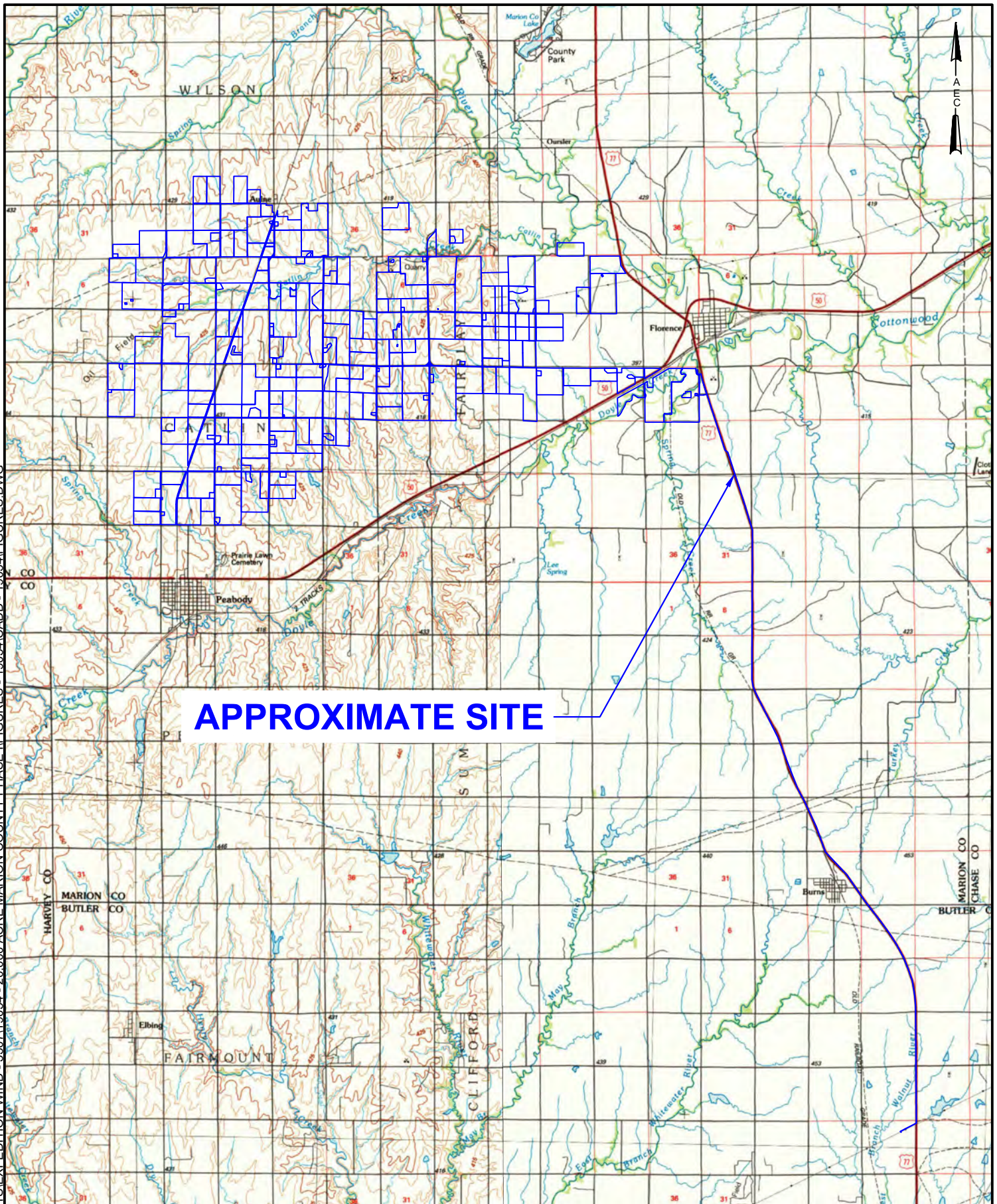


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1955 TOPOGRAPHIC MAP
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 19054:5307	FIGURE
SCALE: 1"=12500'	4
DATE: 8/20/2019	
DWN BY: SMB	CHKD BY: DAB
SHT: 4.OF.22	

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\FIGURES.DWG



SOURCE: 1985 HUTCHINSON, KANSAS AND EMPORIA, KANSAS QUADRANGLES



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1985 TOPOGRAPHIC MAP
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 19054:5307

SCALE: 1"=12500'

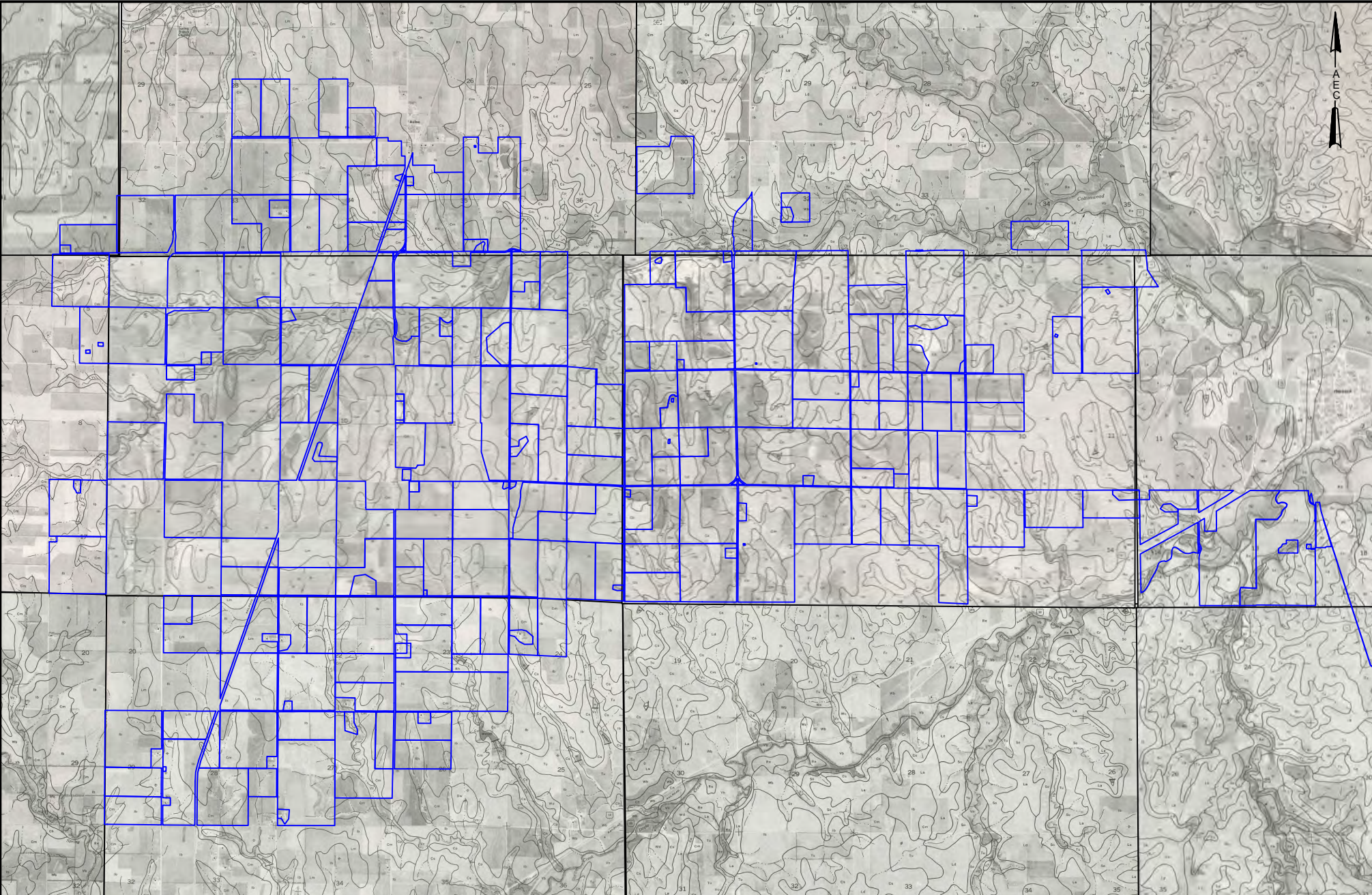
DATE: 8/20/2019

DWN BY: SMB CHKD BY: DAB

FIGURE

5

SHT: 5.OF.22



SOURCE: UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, MARION COUNTY BULLETIN (1978)

PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KS



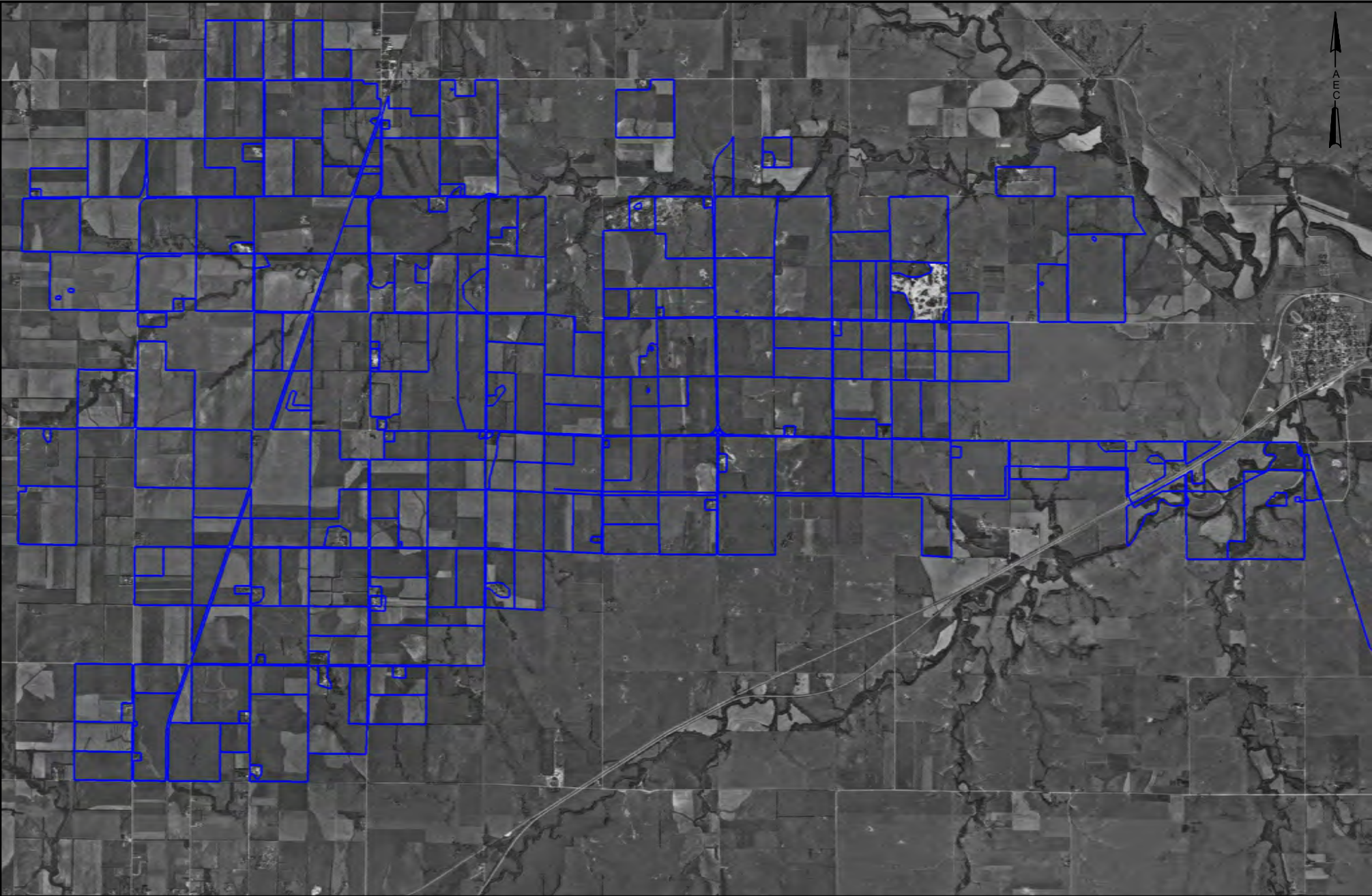
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PROJECT: 19054:5307
SCALE: 1"=6000'
DATE: 8/20/2019

DWN BY: SMB CHKD BY: DAB

1978 AERIAL MAP -
TOTAL EXW PARCELS

FIGURE
6
SHT: 6.OF.22



SOURCE: UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, MARION COUNTY BULLETIN (1978)

PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KS



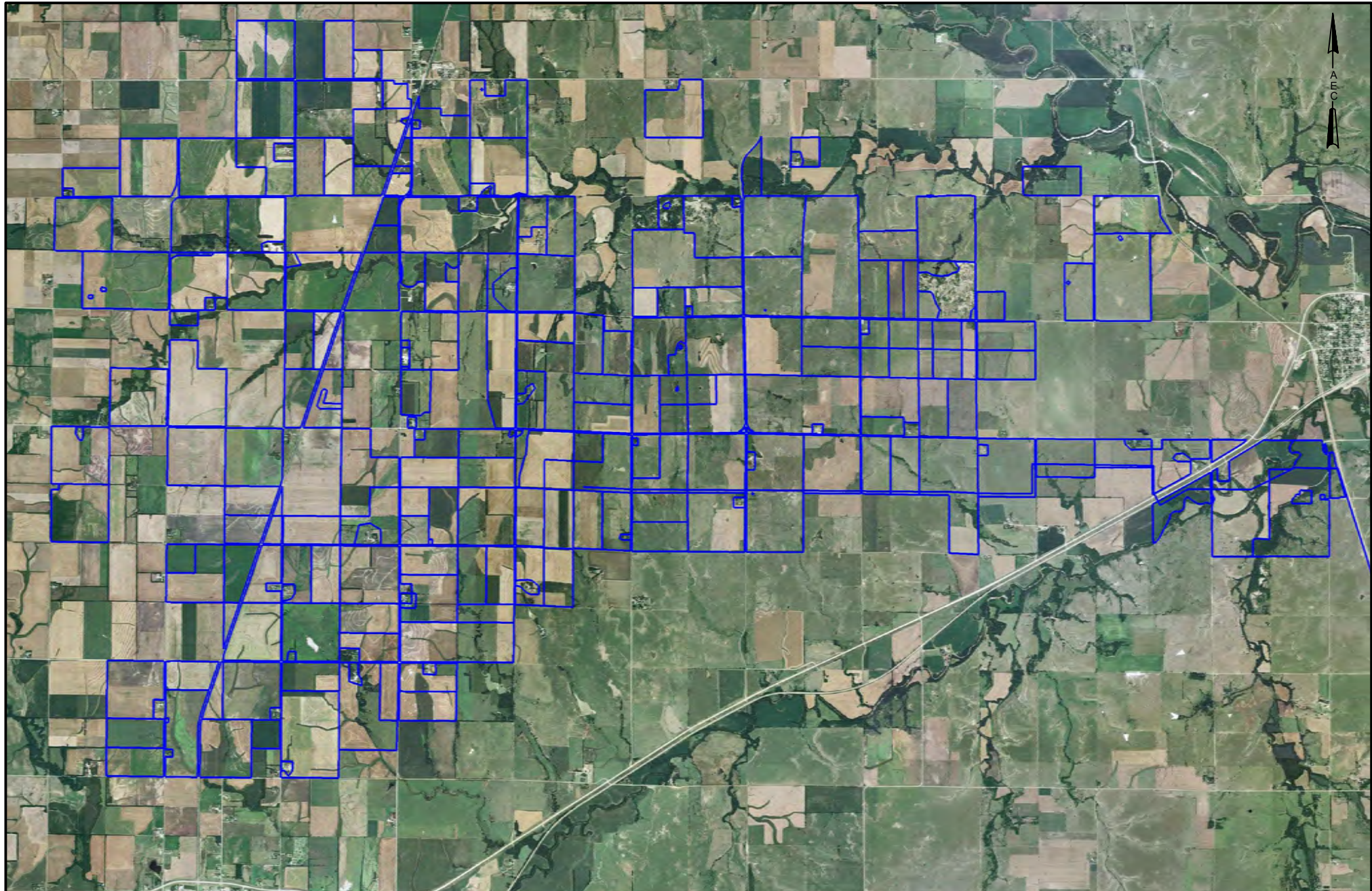
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PROJECT: 19054:5307
SCALE: 1"=6000'
DATE: 8/20/2019

DWN BY: SMB CHKD BY: DAB

1991 AERIAL MAP -
TOTAL EXW PARCELS

FIGURE
7
SHT: 7.OF.22



SOURCE: UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, MARION COUNTY BULLETIN (1978)

PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KS



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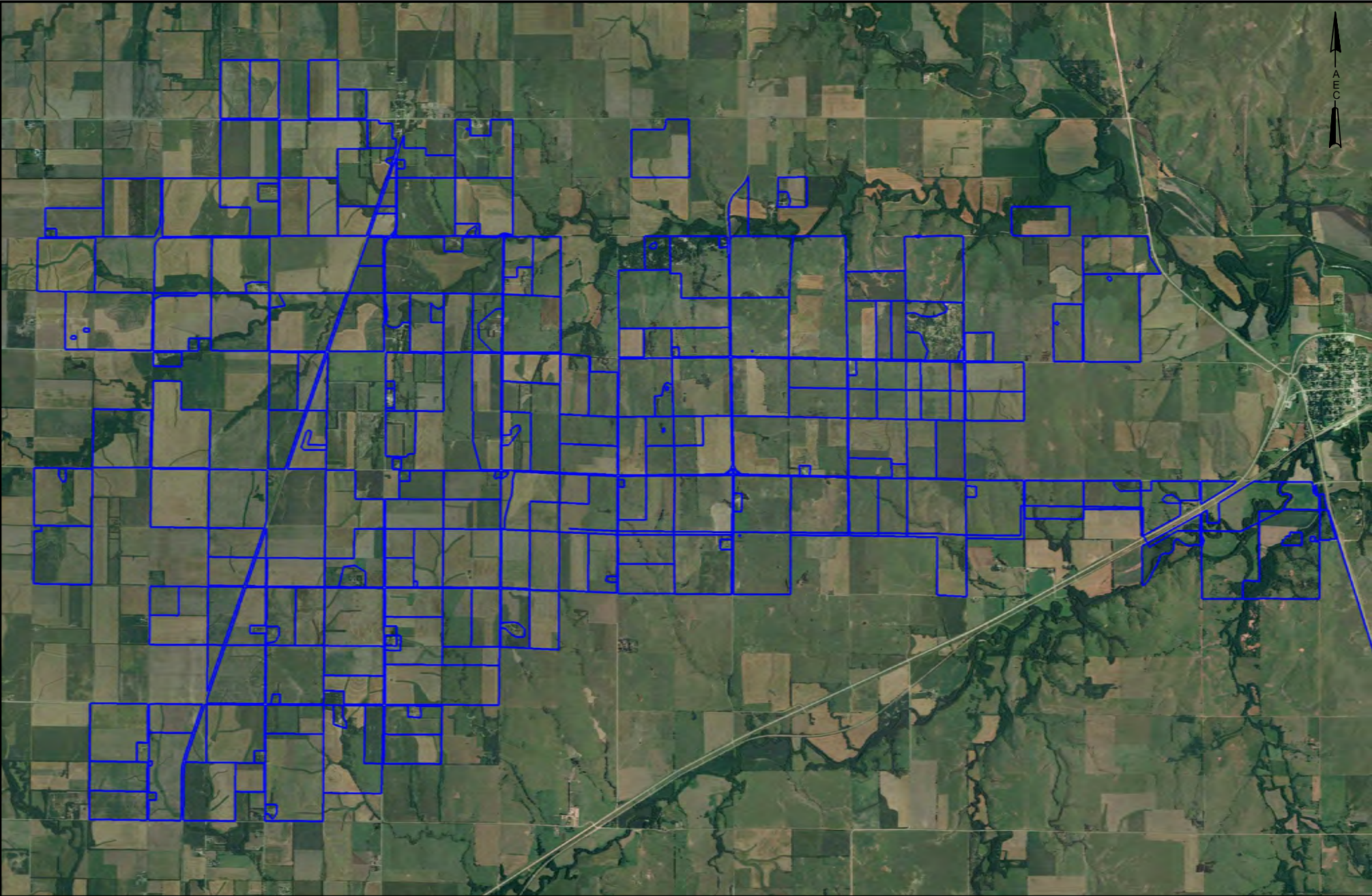
PROJECT: 19054:5307
SCALE: 1"=6000'
DATE: 8/20/2019

DWN BY: SMB CHKD BY: DAB

2004 AERIAL MAP -
TOTAL EXW PARCELS

FIGURE
8

SHT: 8.OF.22



SOURCE: UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, MARION COUNTY BULLETIN (1978)

PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KS

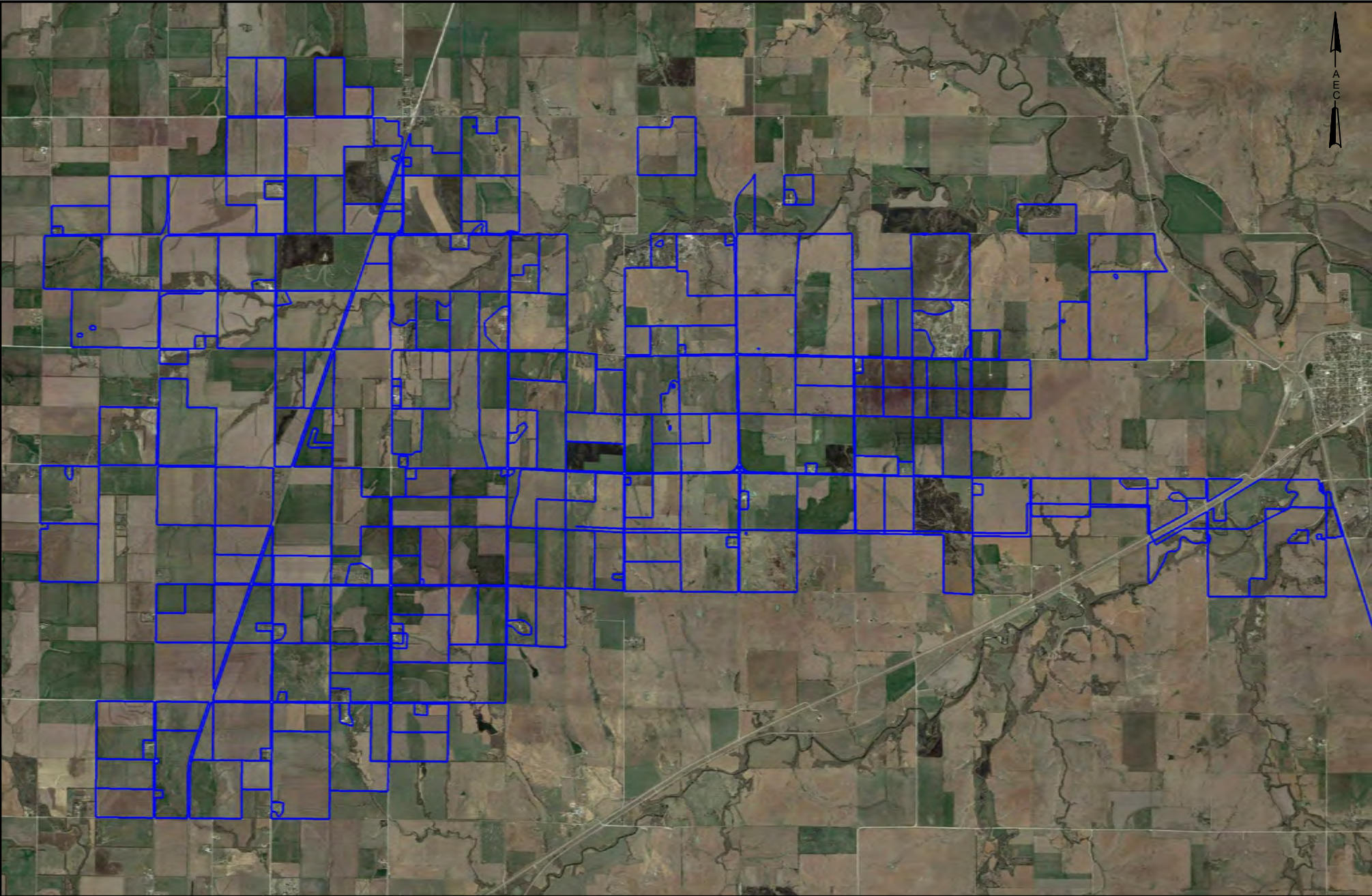


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PROJECT: 19054:5307
SCALE: 1"=6000'
DATE: 8/20/2019
DWN BY: SMB CHKD BY: DAB

2008 AERIAL MAP -
TOTAL EXW PARCELS

FIGURE
9
SHT: 9.OF.22



SOURCE: UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, MARION COUNTY BULLETIN (1978)

PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KS

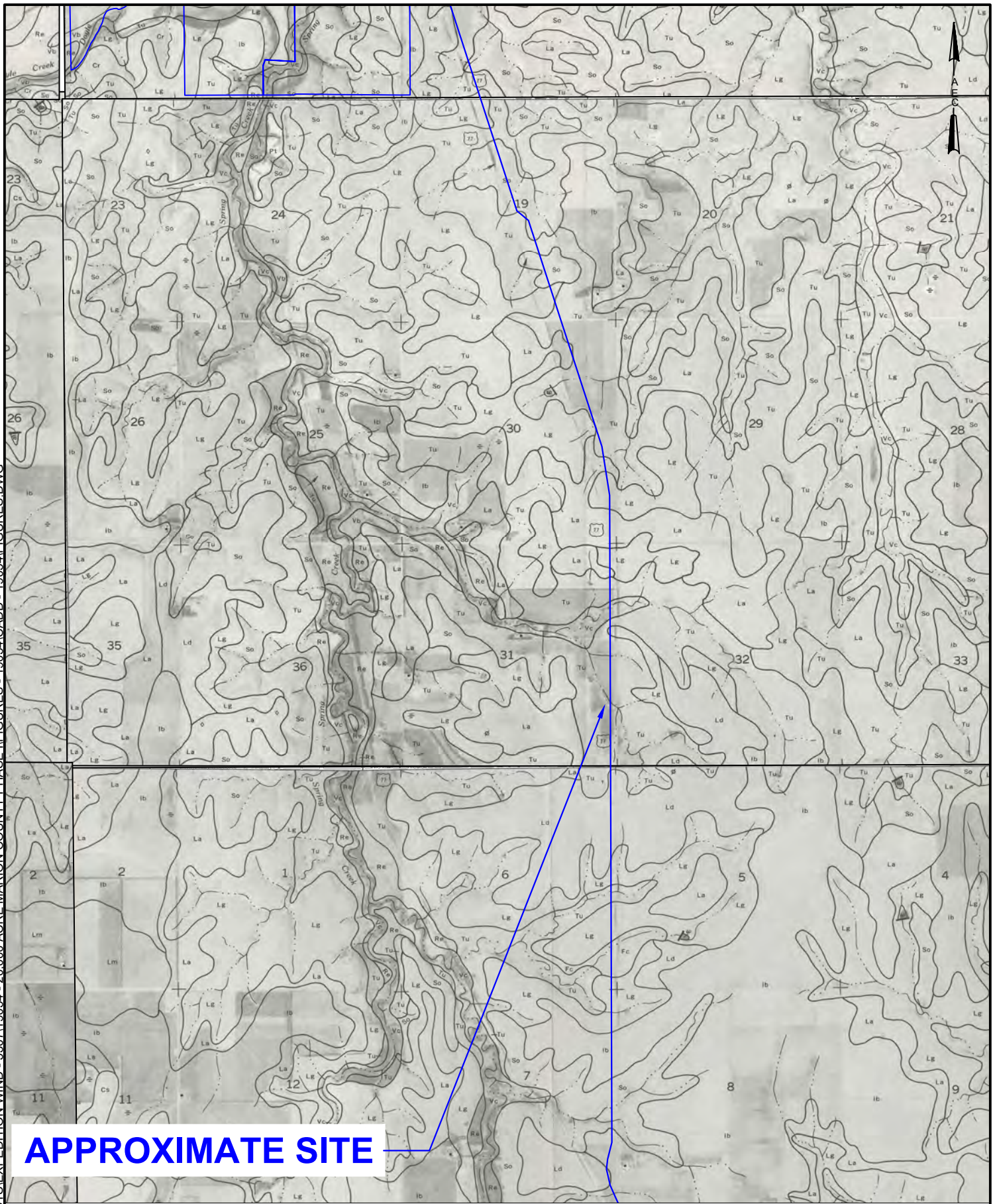

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PROJECT: 19054:5307
SCALE: 1"=6000'
DATE: 8/20/2019
DWN BY: SMB CHKD BY: DAB

2014 AERIAL MAP -
TOTAL EXW PARCELS

FIGURE
10
SHT: 10.0F.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, MARION COUNTY BULLETIN (1978)



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**1978 AERIAL MAPS-NORTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS**

PROJECT: 18055:5307
SCALE: 1"=3000'
DATE: 5/30/2018
DWN BY: SMB **CHKD BY:** DAB

FIGURE
11
SHT: 11.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: UNITED STATES GEOLOGICAL SURVEY



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1991 AERIAL MAPS-NORTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 18055:5307

SCALE: 1"=3000'

DATE: 5/30/2018

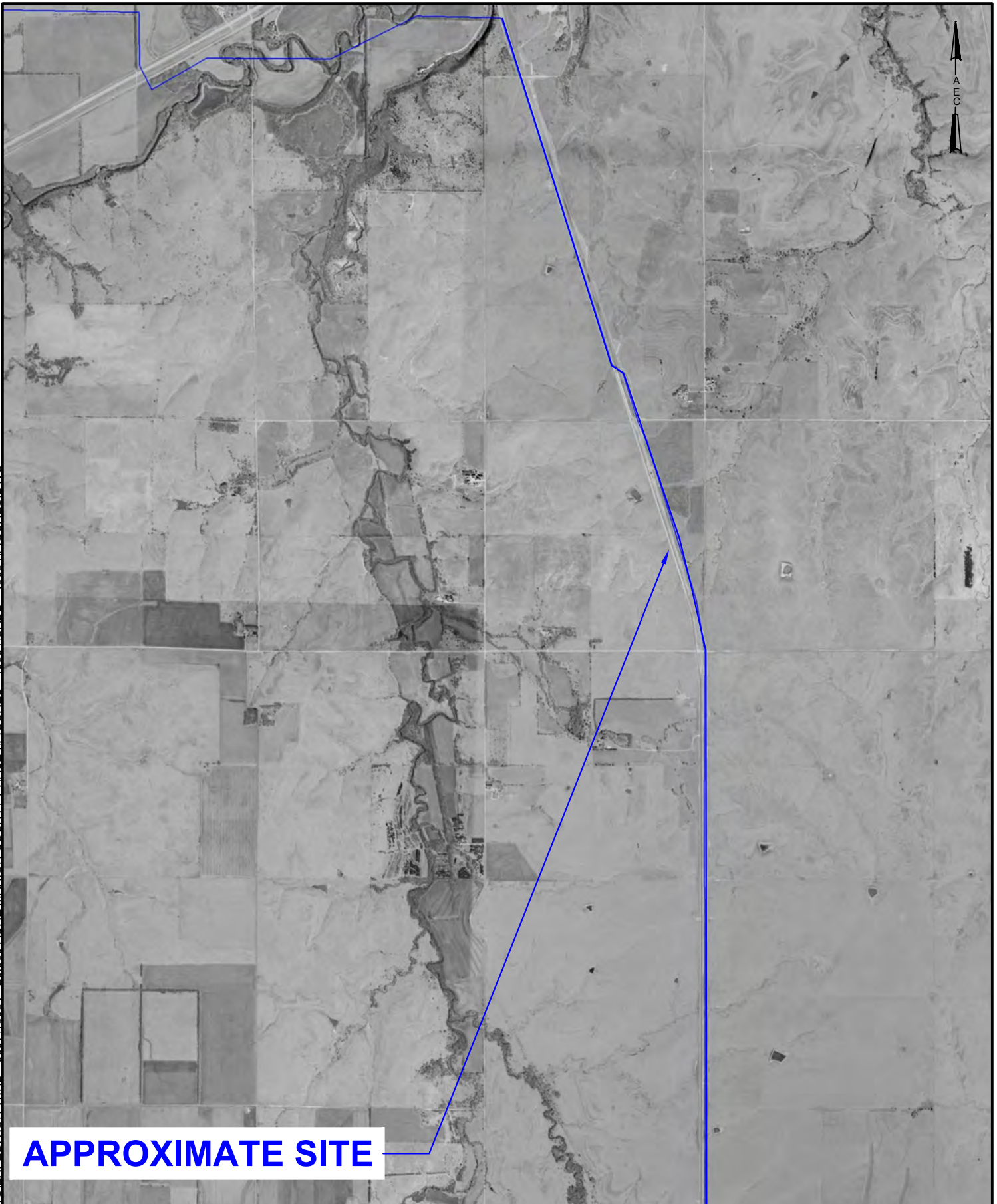
DWN BY: SMB | CHKD BY: DAB

FIGURE

12

SHT:12.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: UNITED STATES GEOLOGICAL SURVEY



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2002 AERIAL MAPS-NORTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 18055:5307

SCALE: 1"=3000'

DATE: 5/30/2018

DWN BY: SMB | CHKD BY: DAB

FIGURE

13

SHT:13.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: UNITED STATES GEOLOGICAL SURVEY



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2008 AERIAL MAPS-NORTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 18055:5307

SCALE: 1"=3000'

DATE: 5/30/2018

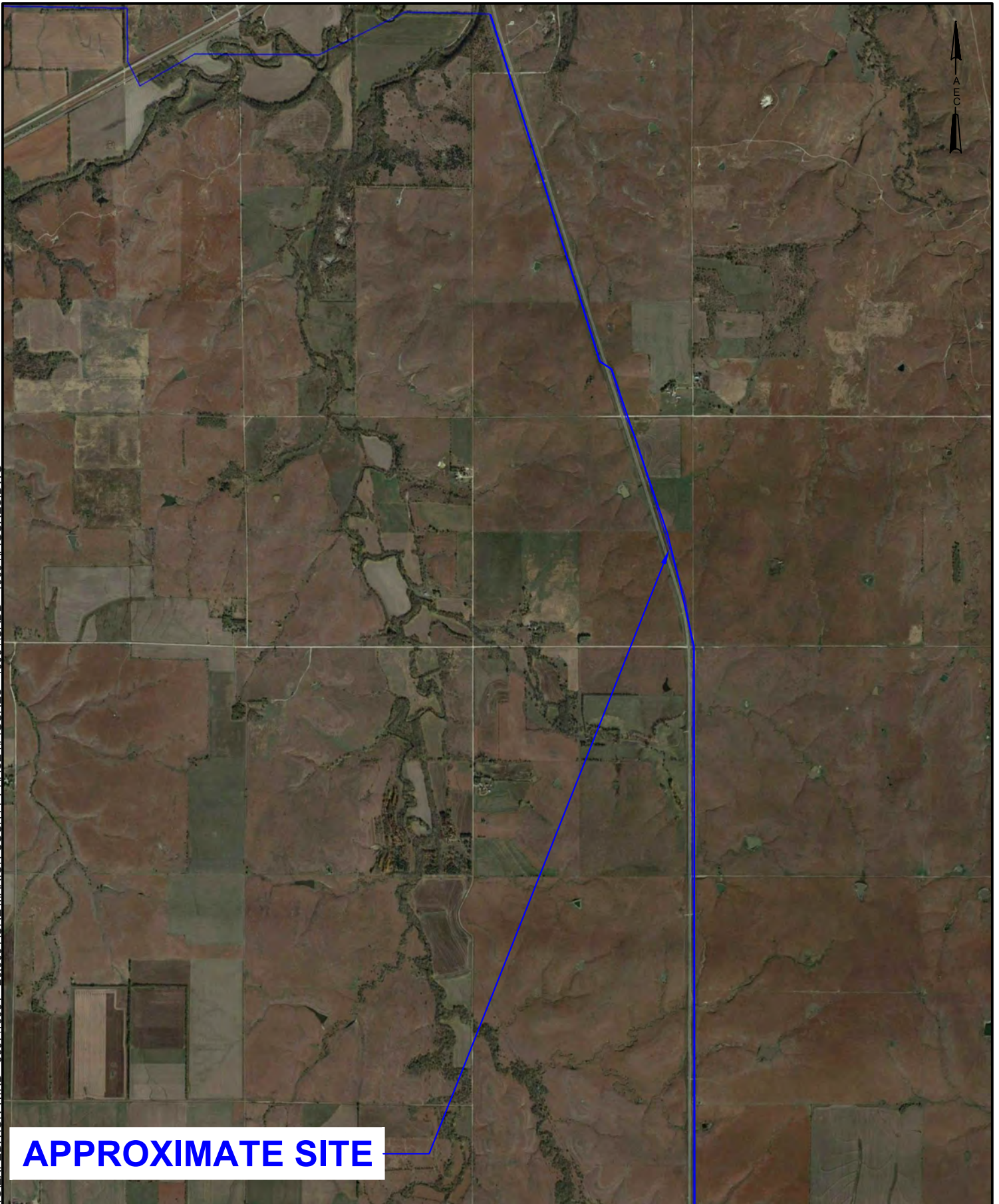
DWN BY: SMB | CHKD BY: DAB

FIGURE

14

SHT:14.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: UNITED STATES GEOLOGICAL SURVEY



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2013 AERIAL MAPS-NORTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 18055:5307

SCALE: 1"=3000'

DATE: 5/30/2018

DWN BY: SMB

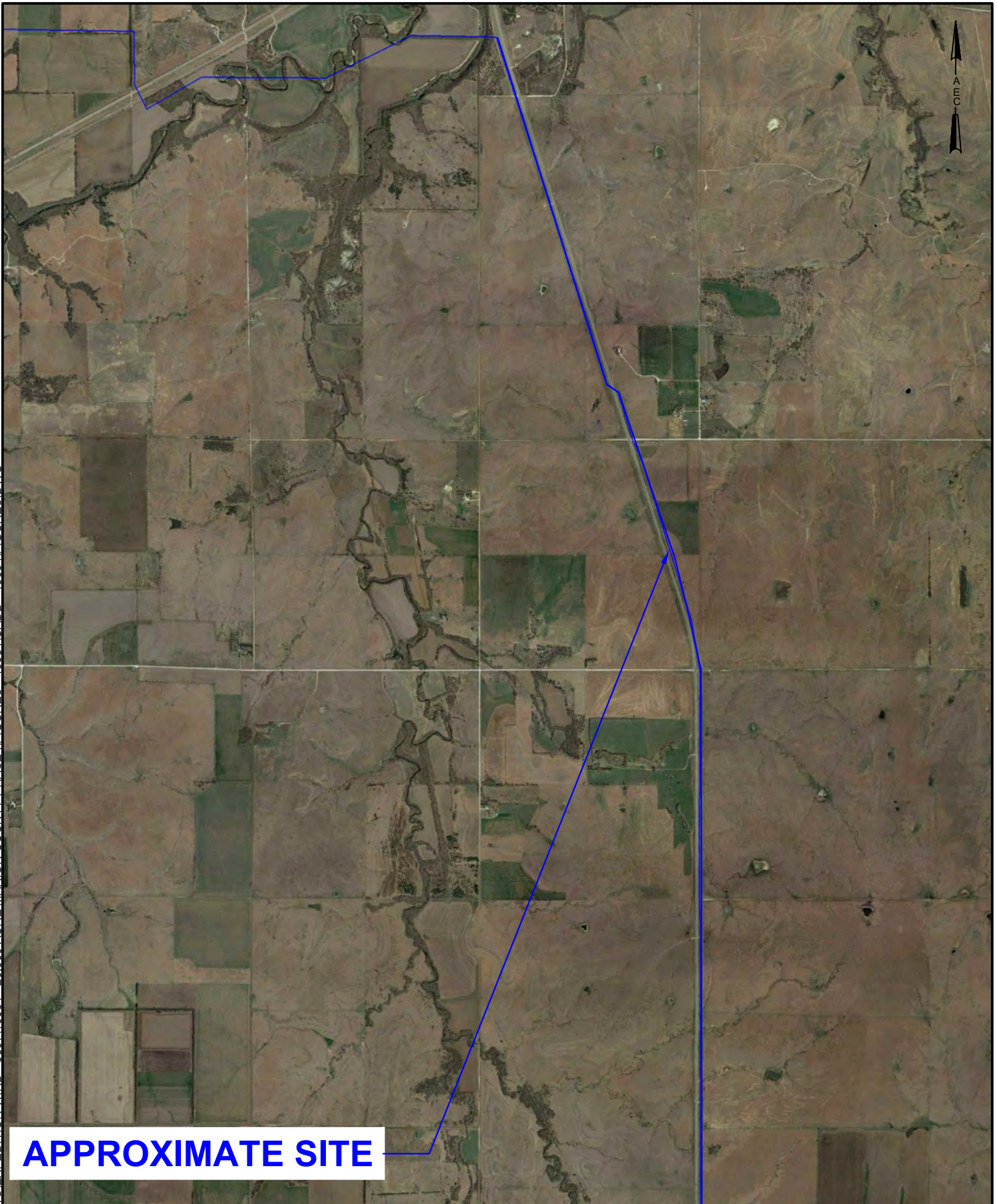
CHKD BY: DAB

FIGURE

15

SHT:15.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: UNITED STATES GEOLOGICAL SURVEY



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2018 AERIAL MAPS-NORTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 18055:5307

SCALE: 1"=3000'

DATE: 5/30/2018

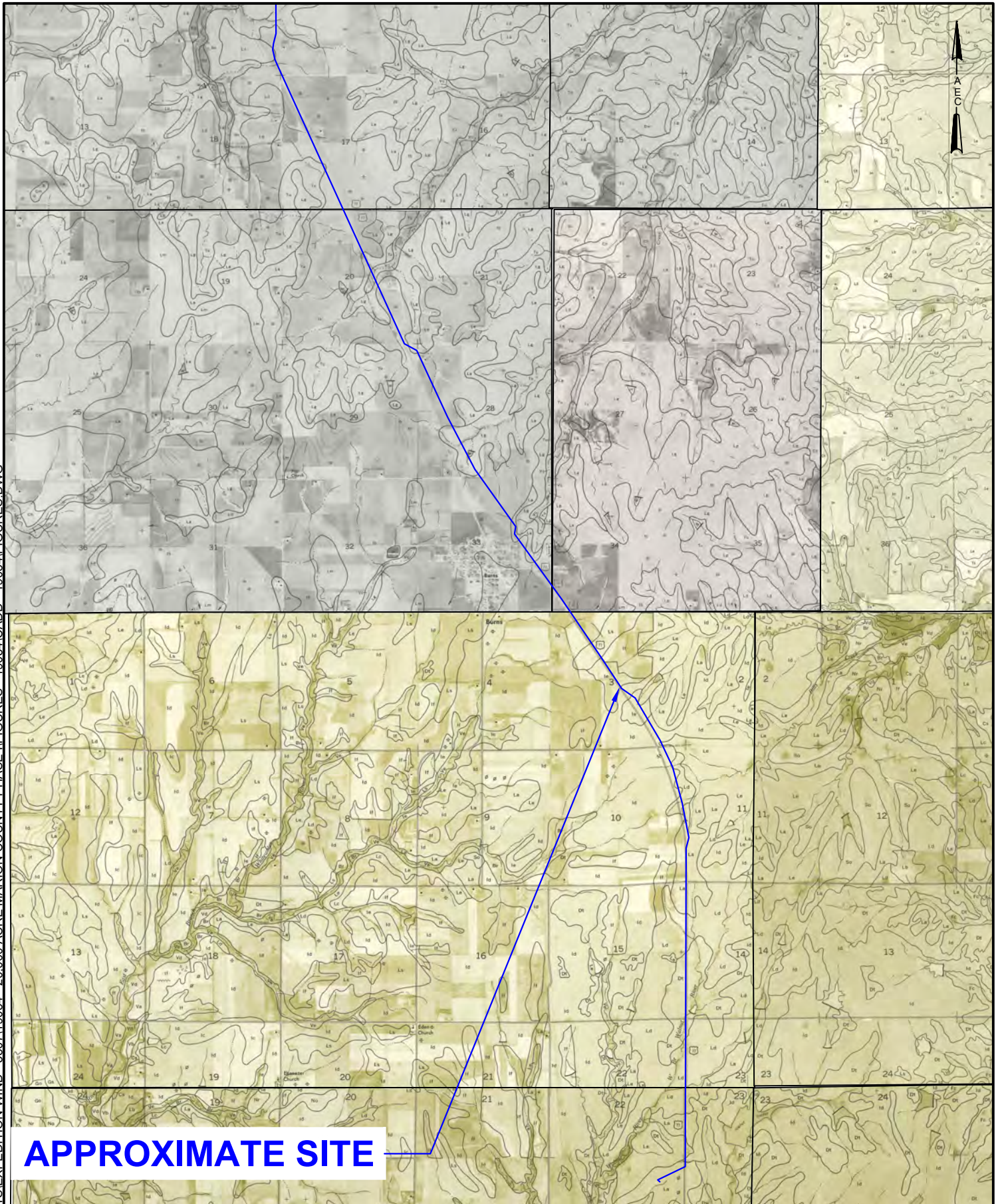
DWN BY: SMB | CHKD BY: DAB

FIGURE

16

SHT:16.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 530719054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 190541CADD - 190541FIGURES.DWG



APPROXIMATE SITE

SOURCE: UNITED STATES DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, BUTLER COUNTY BULLETIN (1972) & MARION COUNTY BULLETIN (1978), CHASE COUNTY BULLETIN (1972)



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**1972 & 1978 AERIAL MAPS--SOUTH GEN
TIE LINE
PHASE I ESA / EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS**

PROJECT: 18055:5307

SCALE: 1"=5000'

DATE: 5/30/2018

DWN BY: SMB

CHKD BY: DAB

FIGURE

17

SHT:17.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: UNITED STATES GEOLOGICAL SURVEY, NASA, LANDSAT



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1991 AERIAL MAPS--SOUTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 18055:5307
SCALE: 1"=5000'
DATE: 5/30/2018

DWN BY: SMB | CHKD BY: DAB

FIGURE
18
SHT:18.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: GOOGLE EARTH



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2002 AERIAL MAPS--SOUTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 18055:5307

SCALE: 1"=5000'

DATE: 5/30/2018

DWN BY: SMB | CHKD BY: DAB

FIGURE

19

SHT:19.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: GOOGLE EARTH



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2008 AERIAL MAPS--SOUTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 18055:5307

SCALE: 1"=5000'

DATE: 5/30/2018

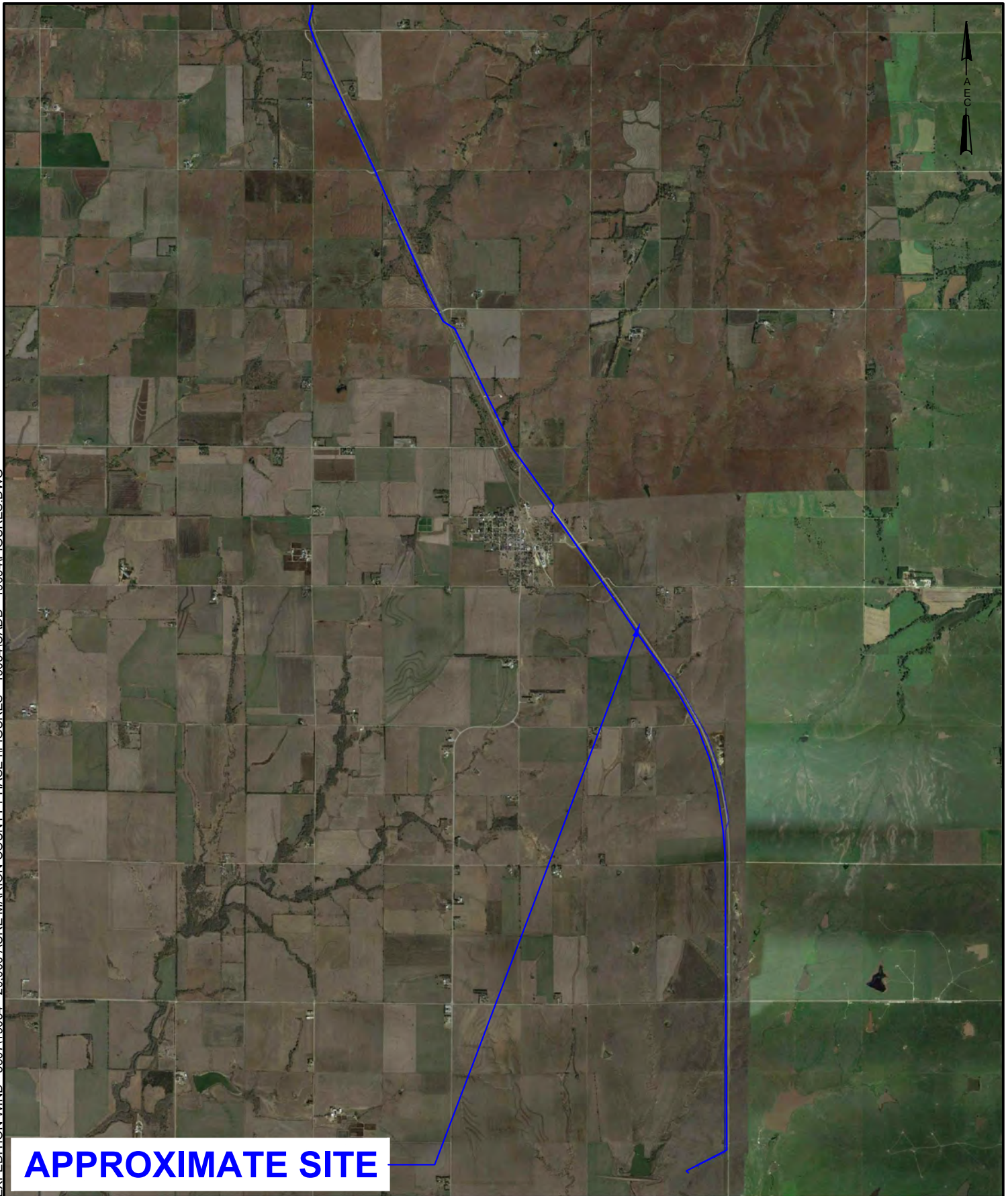
DWN BY: SMB | CHKD BY: DAB

FIGURE

20

SHT:20.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: GOOGLE EARTH



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2013 AERIAL MAPS--SOUTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 18055:5307

SCALE: 1"=5000'

DATE: 5/30/2018

DWN BY: SMB

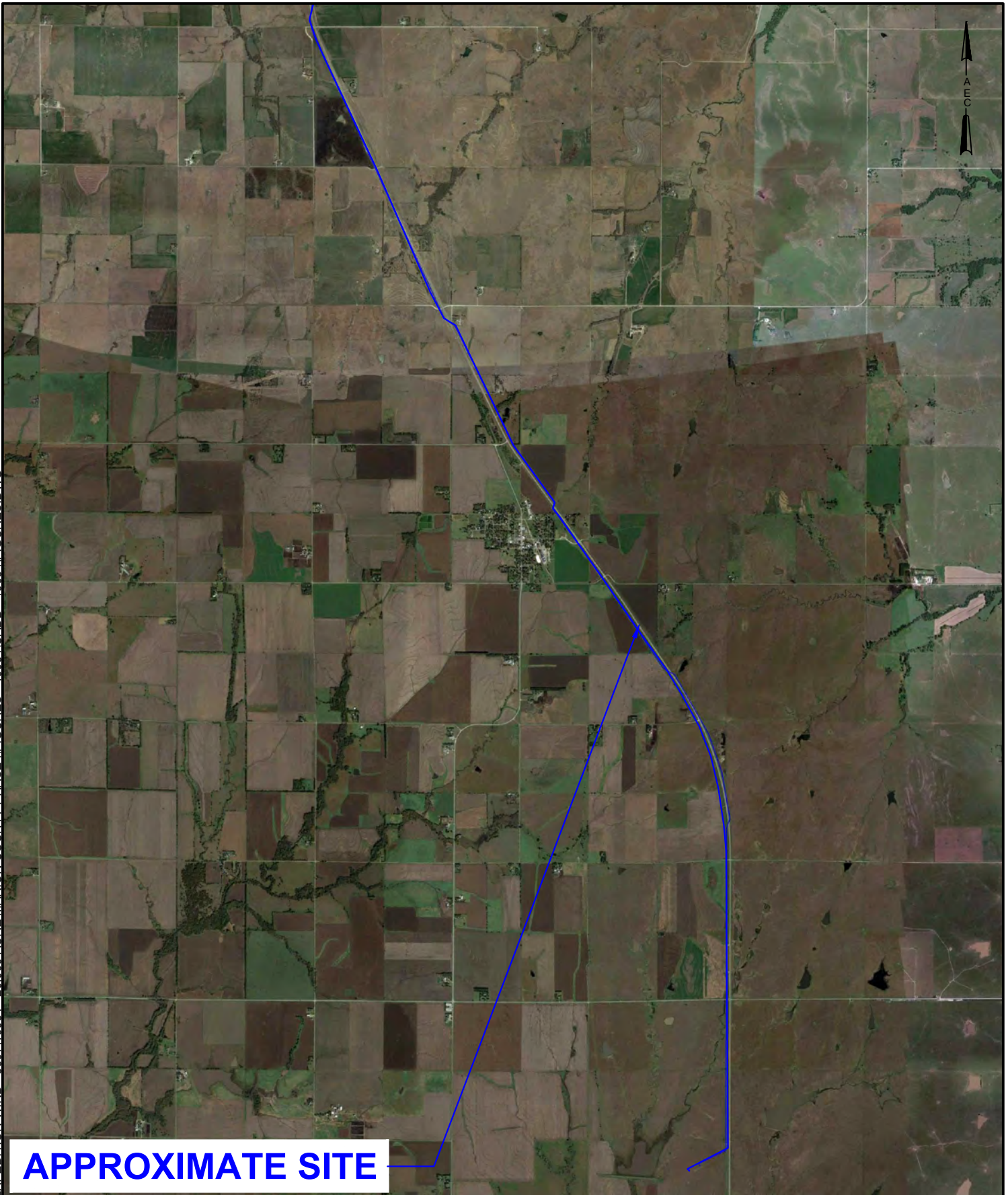
CHKD BY: DAB

FIGURE

21

SHT:21.OF.22

FILENAME: S:\PROJECTS\EXPEDITION WIND - 5307\19054 - 20,000 ACRE MARION COUNTY PHASE I FIGURES - 19054\ICADD - 19054\FIGURES.DWG



APPROXIMATE SITE

SOURCE: GOOGLE EARTH



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2018 AERIAL MAPS--SOUTH GEN TIE LINE
PHASE I ESA
EXPEDITION WIND
BUTLER & MARION COUNTIES, KANSAS

PROJECT: 18055:5307

SCALE: 1"=5000'

DATE: 5/30/2018

DWN BY: SMB | CHKD BY: DAB

FIGURE

22

SHT:22.OF.22