

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WRGT LICENSEE, LLC, licensee of full-power television station WRGT-TV, Channel 36 in Dayton, Ohio, in support of its request for Special Temporary Authority to operate the station with the ATSC 3.0 transmission standard and transfer its secondary ATSC 1.0 programming streams to the following stations: WKEF(TV), Channel 34 in Dayton, Ohio; WDTN(TV), Channel 31 in Dayton, Ohio; WHIO-TV, Channel 33 in Dayton, Ohio; and, WPTD(TV), Channel 35 in Dayton, Ohio. It is important to note that the primary programming stream of WRGT-TV will be transmitted by WKEF(TV), Channel 34 in Dayton, and the engineering support for that proposal is contained in the WRGT-TV Application for Modification of License to convert to ATSC 3.0 operation.

Exhibit B is a map upon which the WKEF(TV) and WRGT-TV noise-limited service contours are plotted. As shown, a significant portion of the WRGT-TV service contour is contained within that of WKEF(TV). Indeed, the “loss area” population that will be created as a result of the transfer of WRGT-TV’s secondary ATSC 1.0 programming to WKEF(TV) is only 0.3% of the total service population of WRGT-TV. Conversely, the additional area served by WKEF(TV) that is presently not served by WRGT-TV contains 299,249 people, according to the 2020 U.S. Census data.

It is also important to note that WKEF(TV) places a 48 dBu city-grade service contour over the entirety of the WRGT-TV city of license, Dayton, Ohio, as shown in the attached Exhibit C. This is not entirely unexpected, since WKEF(TV) is licensed to the same community as WRGT-TV, and shares the same transmitter site as WRGT-TV. Thus, the instant

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application meets the requirements of Section 73.3801(c) of the Commission's Rules.

Exhibit D is a map upon which the WRGT-TV and WDTN(TV) noise-limited service contours are plotted. As shown, a significant majority of the WRGT-TV service contour overlaps that of WDTN(TV). Indeed, the "loss area" population that will be created as a result of the transfer of WRGT-TV's secondary ATSC 1.0 programming to WDTN(TV) is extremely small, amounting to less than 0.1% of the total service population of WRGT-TV, according to the 2020 U.S. Census. In addition, a significant amount of gain area, containing 400,488 people, will be created by a move of the ATSC 1.0 secondary streams to station WDTN(TV).

WDTN(TV) also places a 48 dBu city-grade service contour over the entirety of the WRGT-TV city of license, Dayton, Ohio, as shown in Exhibit E. Like WKEF(TV), WDTN(TV) is licensed to the community as WRGT-TV and has a transmitter site in close proximity to that of WRGT-TV. Thus, the instant proposal meets the requirements of Section 73.3801(c) of the Commission's Rules.

Exhibit F is a map upon which the WRGT-TV and WHIO-TV noise-limited service contours are plotted. As shown, a significant majority of the WRGT-TV service contour overlaps that of WHIO-TV. Indeed, the "loss area" population that will be created as a result of the transfer of WRGT-TV's secondary ATSC 1.0 programming to WHIO-TV is extremely small, amounting to less than 0.1% of the total service population of WRGT-TV, according to the 2020 U.S. Census. In addition, a significant amount of gain area, containing 463,514 people, will be created by a move of the ATSC 1.0 secondary streams to station WHIO-TV.

WHIO(TV) also places a 48 dBu city-grade service contour over the entirety of the WRGT-TV city of license, Dayton, Ohio, as shown in Exhibit G. Like WKEF(TV) and

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WDTN(TV), WHIO-TV is licensed to the community as WRGT-TV. Thus, the instant proposal meets the requirements of Section 73.3801(c) of the Commission's Rules.

Exhibit H is a map upon which the WPTD(TV) and WRGT-TV noise-limited service contours are plotted. As shown, a significant portion of the WRGT-TV service contour is contained within that of WPTD(TV). Indeed, the "loss area" population that will be created as a result of the transfer of WRGT-TV's secondary ATSC 1.0 programming to WPTD(TV) is only 3.4% of the total service population of WRGT-TV. Conversely, the additional area served by WPTD(TV) that is presently not served by WRGT-TV contains 103,034 people, according to the 2020 U.S. Census data.

It is also important to note that WPTD(TV) places a 48 dBu city-grade service contour over the entirety of the WRGT-TV city of license, Dayton, Ohio, as shown in the attached Exhibit I. This is not entirely unexpected, since WPTD(TV) is licensed to the same community as WRGT-TV. Thus, the instant application meets the requirements of Section 73.3801(c) of the Commission's Rules.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

A handwritten signature in blue ink, appearing to read "K. T. Fisher", is written over a horizontal line.

November 9, 2022

KEVIN T. FISHER

CONTOUR POPULATION : 2020 U.S. CENSUS DATABASE
WRGT-TV : 3,592,580 (1,561,252 HH)
WKEF(TV) (Host) : 3,881,181 (1,676,805 HH)
Common Area Population : 3,581,932 (1,556,809 HH)
WRGT-TV Programming Loss Area Population: 10,648 (0.3%)
WRGT-TV Programming Gain Area Population: 299,249

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**WKEF(TV) CH. 34
N/L FCC CONTOUR**

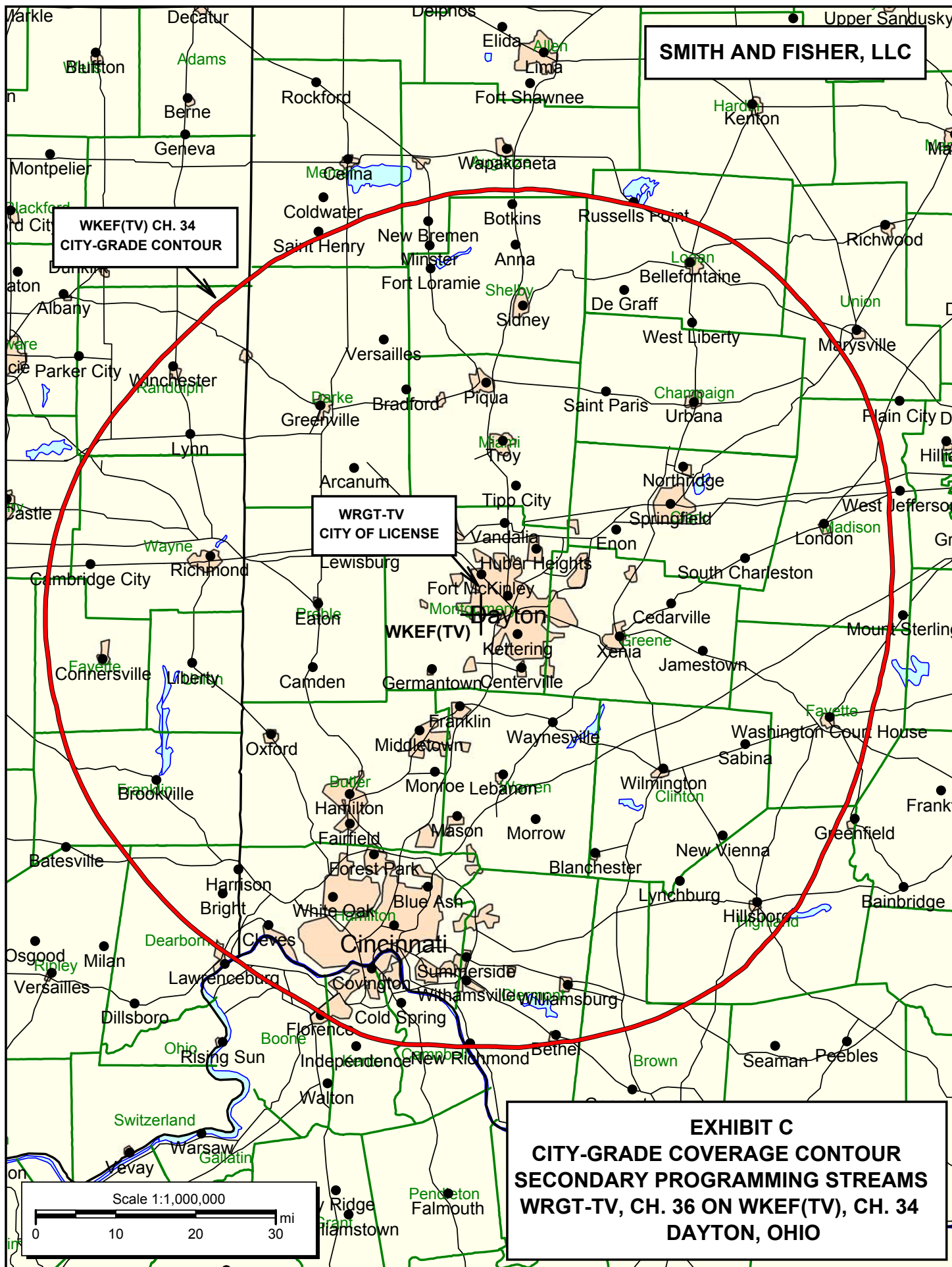
**WRGT-TV CH. 36
N/L FCC CONTOUR**

**WRGT-TV
WKEF(TV)**

EXHIBIT B
FCC SERVICE CONTOUR COMPARISON
SECONDARY PROGRAMMING STREAMS
WRGT-TV, CH. 36 ON WKEF(TV), CH. 34
DAYTON, OHIO

Scale 1:1,250,000

0 10 20 30 mi



CONTOUR POPULATION : 2020 U.S. CENSUS DATABASE
WRGT-TV : 3,592,580 (1,561,252 HH)
WDTN(TV) (Host) : 3,990,941 (1,721,558 HH)
Common Area Population : 3,590,453 (1,560,390 HH)
WRGT-TV Programming Loss Area Population: 2,127 (<0.1%)
WRGT-TV Programming Gain Area Population: 400,488

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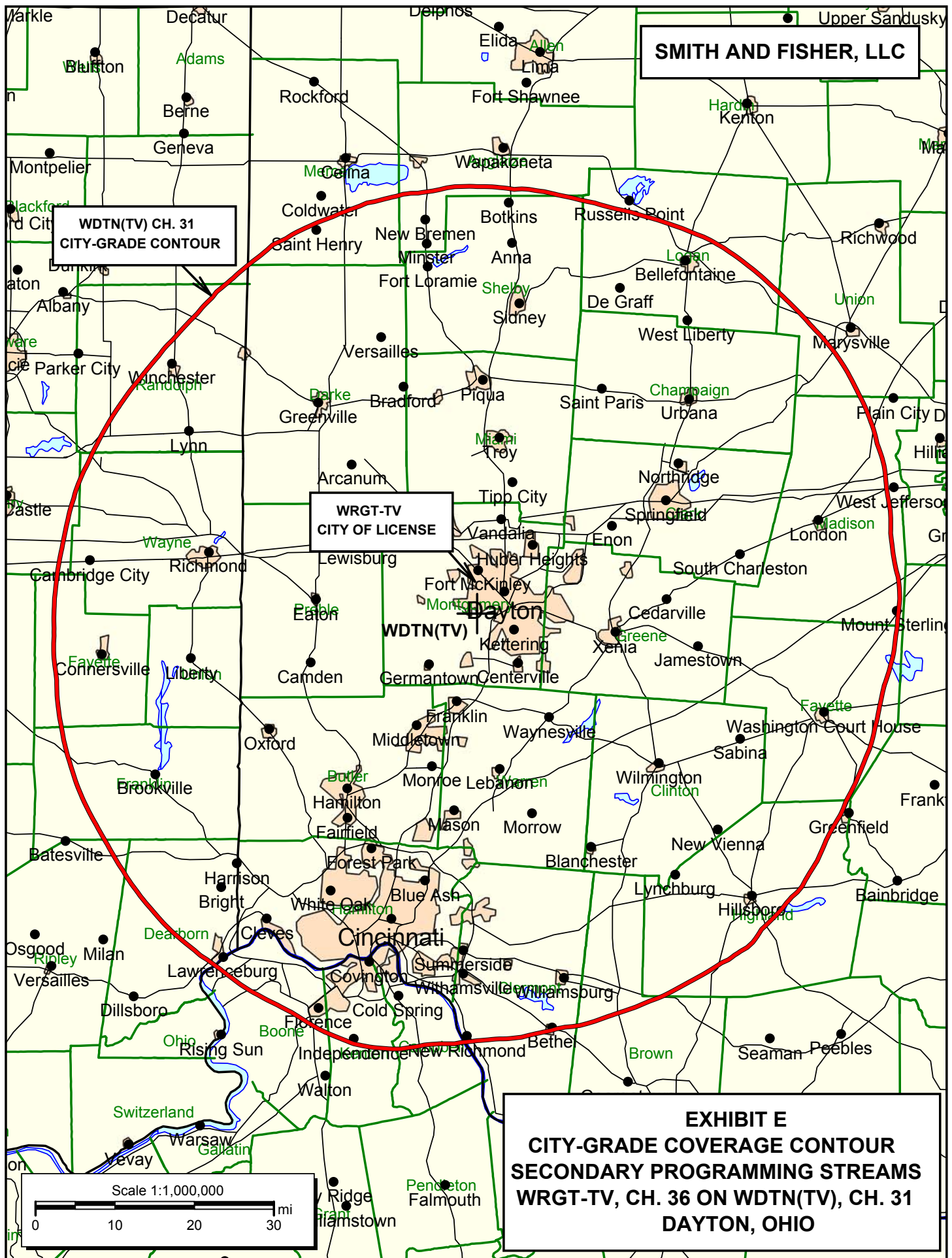
WDTN(TV) CH. 31
N/L FCC CONTOUR

WRGT-TV CH. 36
N/L FCC CONTOUR

EXHIBIT D
FCC SERVICE CONTOUR COMPARISON
SECONDARY PROGRAMMING STREAMS
WRGT-TV, CH. 36 ON WDTN(TV), CH. 31
DAYTON, OHIO

Scale 1:1,250,000

0 10 20 30 mi



CONTOUR POPULATION : 2020 U.S. CENSUS DATABASE

WRGT-TV : 3,592,580 (1,561,252 HH)

WHIO-TV (Host) : 4,055,560 (1,750,286 HH)

Common Area Population : 3,592,046 (1,561,023 HH)

WRGT-TV Programming Loss Area Population: 534 (<0.1%)

WRGT-TV Programming Gain Area Population: 463,514

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**WHIO-TV CH. 33
N/L FCC CONTOUR**

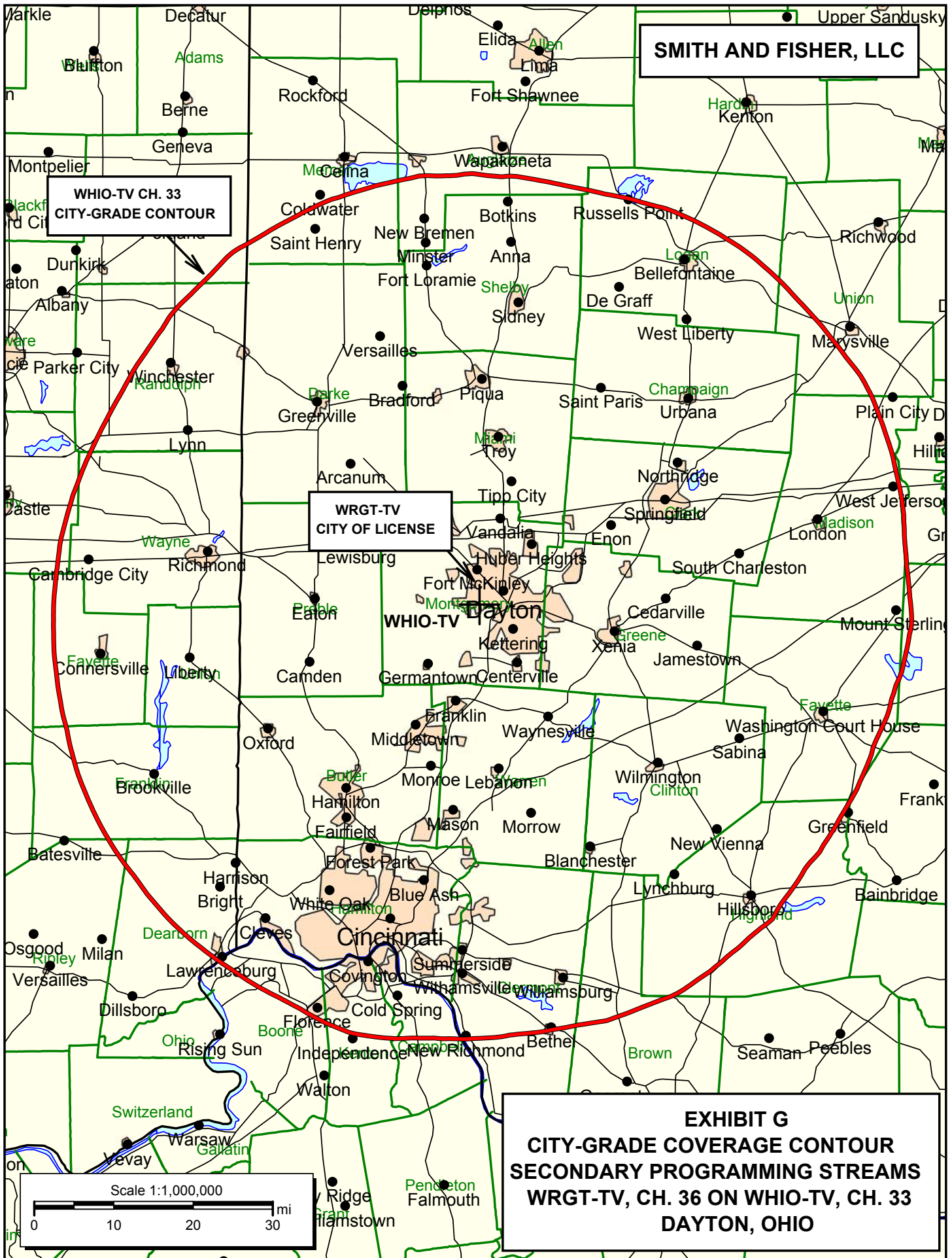
**WRGT-TV CH. 36
N/L FCC CONTOUR**

**WRGT-TV
WHIO-TV
DAYTON**

Scale 1:1,250,000

0 10 20 30 mi

**EXHIBIT F
FCC SERVICE CONTOUR COMPARISON
SECONDARY PROGRAMMING STREAMS
WRGT-TV, CH. 36 ON WHIO-TV, CH. 33
DAYTON, OHIO**



CONTOUR POPULATION : 2020 U.S. CENSUS DATABASE
WRGT-TV : 3,592,580 (1,561,252 HH)
WPTD(TV) (Host) : 3,566,915 (1,546,622 HH)
Common Area Population : 3,463,881 (1,506,027 HH)
WRGT-TV Programming Loss Area Population: 128,699 (3.4%)
WRGT-TV Programming Gain Area Population: 103,034

SMITH AND FISHER, LLC

**WRGT-TV CH. 36
N/L FCC CONTOUR**

**WPTD(TV) CH. 35
N/L FCC CONTOUR**

Scale 1:1,250,000

0 10 20 30 mi

EXHIBIT H
FCC SERVICE CONTOUR COMPARISON
SECONDARY PROGRAMMING STREAMS
WRGT-TV, CH. 36 ON WPTD(TV), CH. 35
DAYTON, OHIO

