

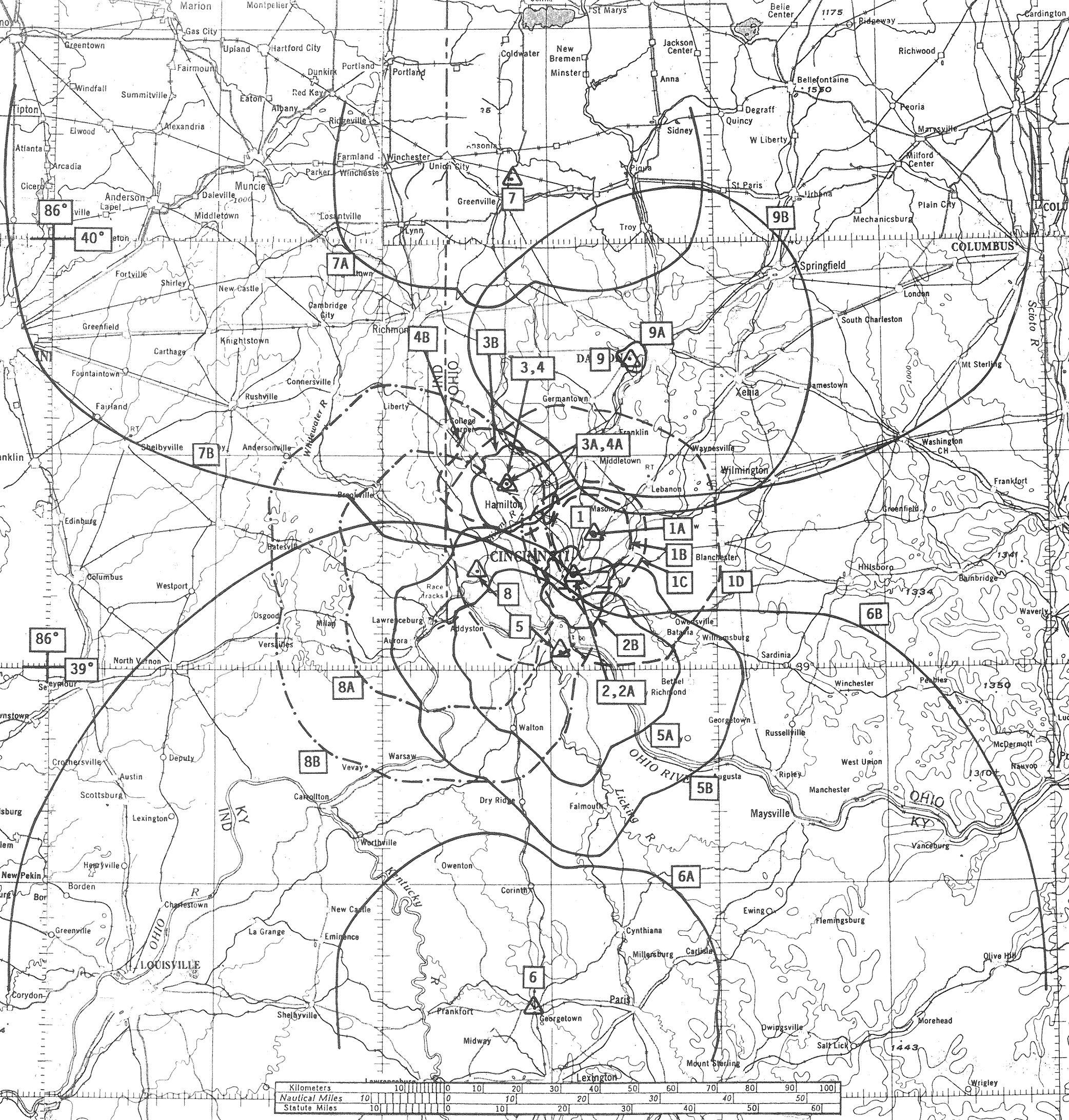
EXHIBIT 18  
(Page 1 of 4)

CONTOUR OVERLAP STUDY  
Lakota Local School District  
West Chester, OH

Figure 18.0 shows the service and interference contours for the proposed facilities in relation to those of all other domestic stations, both operating and proposed, on Channels 207 through 213 that require protection consideration. All contours were projected using the notified facilities for each station from the FCC's Consolidated Database System ("CDBS") and terrain data extracted from the NGDC 30 second terrain database. As shown in this figure, the proposed facilities will not cause or receive any new prohibited contour overlap with any other station that requires protection consideration.

Figure 18.1 is a detailed map exhibit showing an expanded view of the predicted licensed and proposed WLHS contours with respect to WMKV and WNKU. This exhibit shows that there is no overlap with WMKV and that the existing overlap with WNKU is reduced.

Table 18.0 shows the actual and required separations between the proposed facilities and all Canadian stations operating on Channels 207 through 213 and all stations and allotments on Channels 263 and 264. This table shows that the proposed facilities have adequate separation from all other operating or proposed stations or allotments requiring consideration.

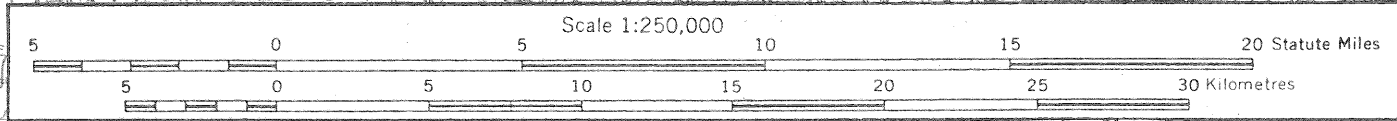


**LEGEND:**

- |   |   |
|---|---|
| 1 - PROPOSED WLHS - WEST CHESTER, OH (210A) | 6 - WKVO - GEORGETOWN, KY (210C2)             |
| 1A - WLHS PROPOSED 100 dBu                  | 6A - WKVO 60 dBu                              |
| 1B - WLHS PROPOSED 60 dBu                   | 6B - WKVO 40 dBu                              |
| 1C - WLHS PROPOSED 54 dBu                   | 7 - WDPG - Greenville, OH (210B)              |
| 1D - WLHS PROPOSED 40 dBu                   | 7A - WDPG 60 dBu                              |
| 2 - WMKV - READING, OH (207A)               | 7B - WDPG 40 dBu                              |
| 2A - WMKV 100 dBu                           | 8 - WORI - DELHI HILLS / HARRISON, OH (211B1) |
| 2B - WMKV 60 dBu                            | 8A - WORI 60 dBu                              |
| 3 - WHSS(LIC) - HAMILTON, OH (208A)         | 8B - WORI 54 dBu                              |
| 3A - WHSS(LIC) 100 dBu                      | 9 - WKCD(CP) - CEDARVILLE, OH (212B)          |
| 3B - WHSS(LIC) 60 dBu                       | 9A - WKCD(CP) 100 dBu                         |
| 4 - WHSS(CP) - HAMILTON, OH (208A)          | 9B - WKCD(CP) 60 dBu                          |
| 4A - WHSS(CP) 100 dBu                       |   |
| 4B - WHSS(CP) 60 dBu                        |   |
| 5 - WNKU - HIGHLAND HEIGHTS, KY (209C3)     |   |
| 5A - WNKU 60 dBu                            |   |
| 5B - WNKU 54 dBu                            |   |

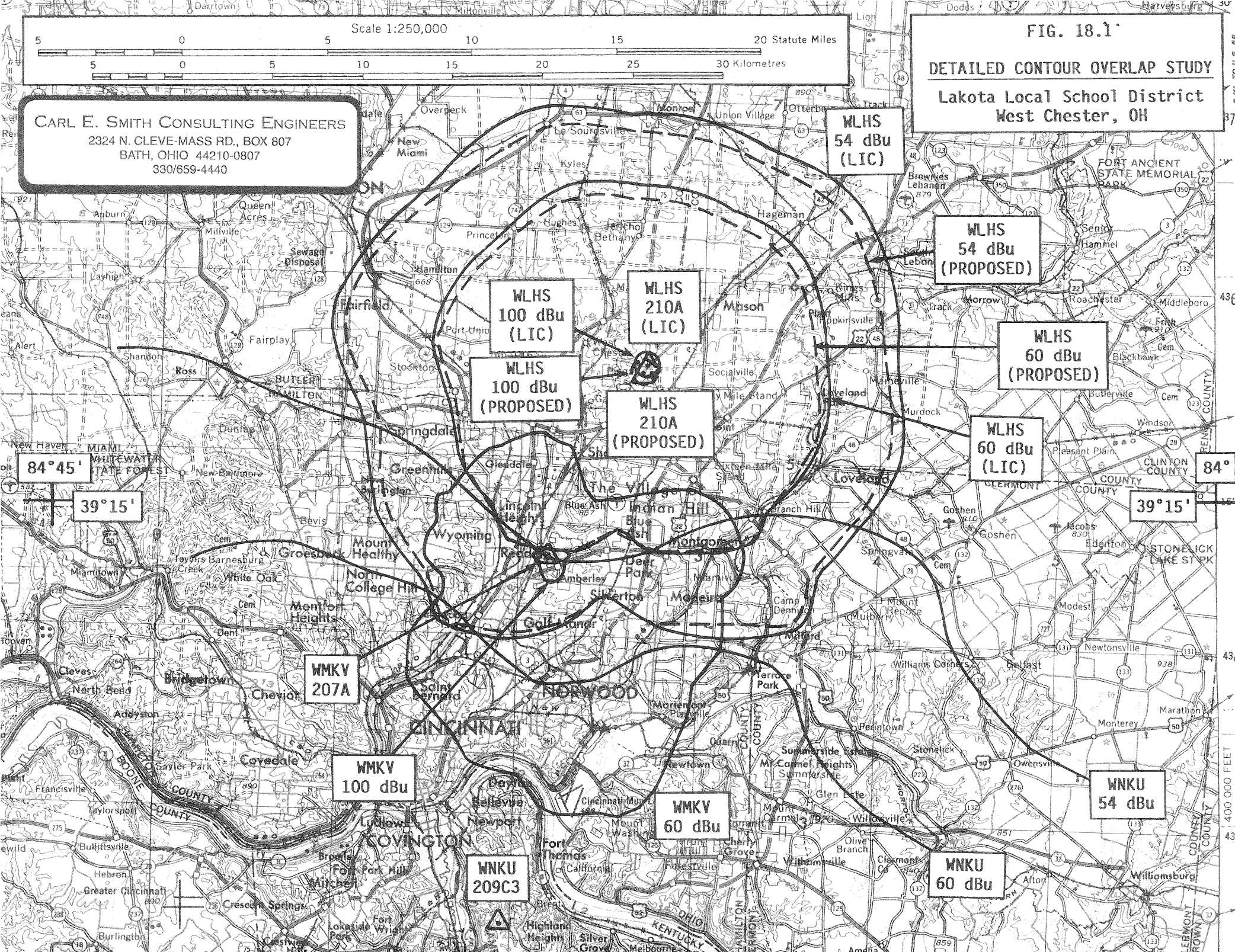
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**FIG. 18.0**  
**CONTOUR OVERLAP STUDY**  
**Lakota Local School District**  
**West Chester, OH**



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FIG. 18.1  
DETAILED CONTOUR OVERLAP STUDY  
Lakota Local School District  
West Chester, OH



WLHS  
54 dBu  
(LIC)

WLHS  
54 dBu  
(PROPOSED)

WLHS  
60 dBu  
(PROPOSED)

WLHS  
60 dBu  
(LIC)

WLHS  
100 dBu  
(LIC)

WLHS  
210A  
(LIC)

WLHS  
100 dBu  
(PROPOSED)

WLHS  
210A  
(PROPOSED)

84°45'  
39°15'

84°  
39°15'

WMKV  
207A

WMKV  
100 dBu

WMKV  
60 dBu

WNKU  
209C3

WNKU  
54 dBu

WNKU  
60 dBu

TABLE 18.0

## FM ALLOCATION STUDY - CHANNEL 210A (89.9 MHz) - WEST CHESTER, OH

LAKOTA LOCAL SCHOOL DISTRICT  
WEST CHESTER, OH

STUDY COORDINATES: 39/18/58 84/22/11

STATION -----	LOCATION -----	CHANNEL -----	CLASS -----	SPACING (km) -----	REQUIRED SPACING* (km) -----	NOTES -----
NEW	CHATHAM, ON	207	B	395.56	69.0	
ALLOTMENT	GODERICH, ON	208	A	539.81	51.0	12
ALLOTMENT	PENETANGUISHENE, ON	209	A	705.81	98.0	12
CBEFM	WINDSOR, ON	210	C1	336.92	243.0	
ALLOTMENT	OWEN SOUND, ON	211	A	647.09	98.0	12
CBEGFM	SARNIA, ON	212	A	433.82	51.0	
ALLOTMENT	EXETER, ON	213	A	506.24	42.0	12
WLGX	LOUISVILLE, KY	263	C2	160.05	15.0	
WEEC	SPRINGFIELD, OH	264	B	83.62	15.0	

\* Required Spacing Per Section 73.207 of The FCC Rules

## Notes:

- |                                      |                                  |
|--------------------------------------|----------------------------------|
| 1 - Applied For Under Section 73.215 | 7 - Pending Application          |
| 2 - Construction Permit              | 8 - Petition For Reconsideration |
| 3 - Channel Deletion Proposed        | 9 - Proposed Rulemaking          |
| 4 - Move From This Channel Ordered   | 10 - Rulemaking Petition         |
| 5 - Move to This Channel Ordered     | 11 - Short-Spaced                |
| 6 - One Step Reference Site          | 12 - Vacant Allotment            |