

**Mark R. Stewart**  
**Lorain County Auditor**

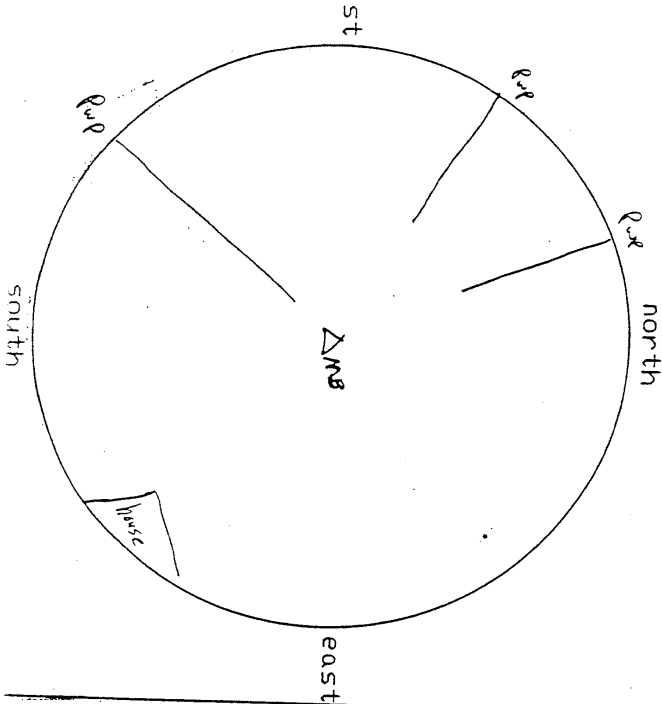
1990 GPS Survey

Monumentation

Data Sheets

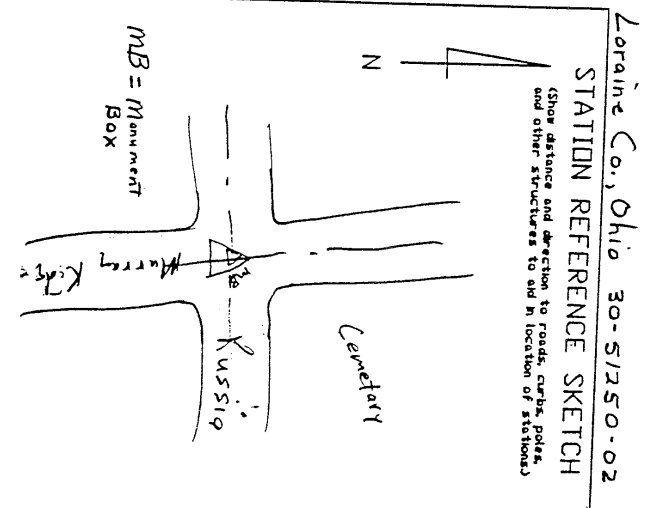
Station Name: LC01  
 Elevation 230.279 m 755.507 ft  
 Latitude (dms) 41 20 11.63880  
 Longitude (dms) 82 7 48.89000  
 Easting (X) in meters 630948.796  
 Northing (Y) in meters 185502.631  
 Easting (X) in US Survey ft 2070037.842  
 Northing (Y) in US Survey ft 608603.216  
 Easting (X) in international ft 2070041.983  
 Northing (Y) in international ft 608604.434  
 Scale .99995012  
 Convergence (dms) 0 14 34.473  
 Y0 155578.907

STATION # /  
 LOCATION 4E-14-1 Russell Road and  
University Ridge  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the  
 nearest edge of all obstructions  
 (ceeding 20').

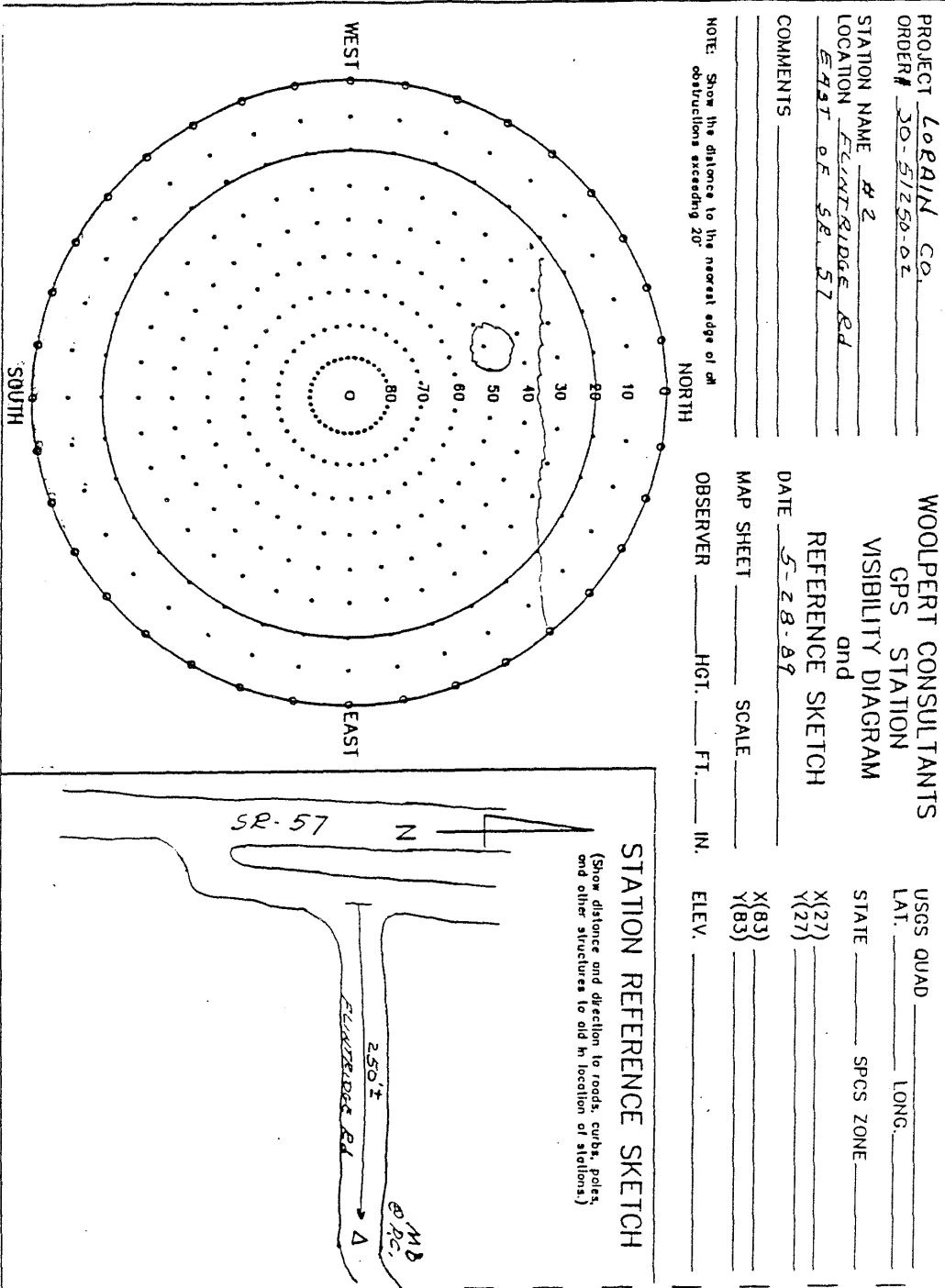


WOOLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4-20-89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JSK  
 OBSERVER'S HEIGHT 5FT-9IN.

FINAL DATA R.D.  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



Station Name: LC02  
 Elevation 235.560 m 772.832 ft  
 Latitude (dms) 41 19 28.40360  
 Longitude (dms) 82 4 4.89740  
 Easting (X) in meters 636163.273  
 Northing (Y) in meters 184192.842  
 Easting (X) in US Survey ft 2087145.671  
 Northing (Y) in US Survey ft 604306.017  
 Easting (X) in international ft 2087149.846  
 Northing (Y) in international ft 604307.225  
 Scale .99994916  
 Convergence (dms) 0 17 1.625  
 Y0 155578.907



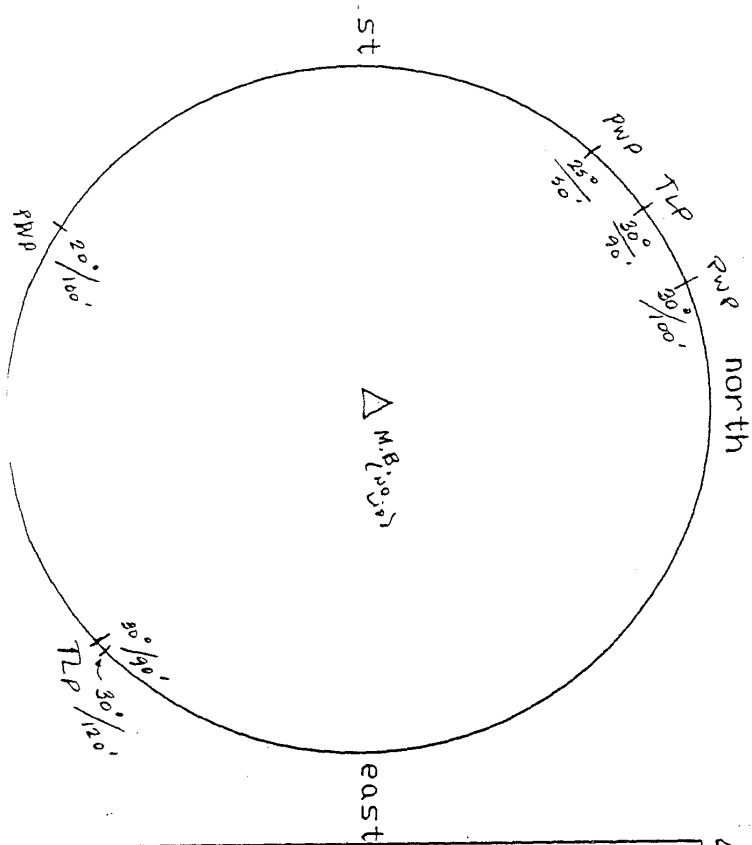
PROJECT LoRAIN Co.  
 ORDER# 20-51258-02  
 STATION NAME #2  
 LOCATION EASTRIDGE Rd  
0.911 OF SR 57  
 COMMENTS \_\_\_\_\_  
 NOTE: Show the distance to the nearest edge of all  
 obstructions exceeding 20'

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 DATE 5-28-89  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN.

USGS QUAD \_\_\_\_\_ LONG. \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_

**STATION REFERENCE SKETCH**  
 (Show distance and direction to roads, curbs, poles,  
 and other structures to aid in location of stations.)

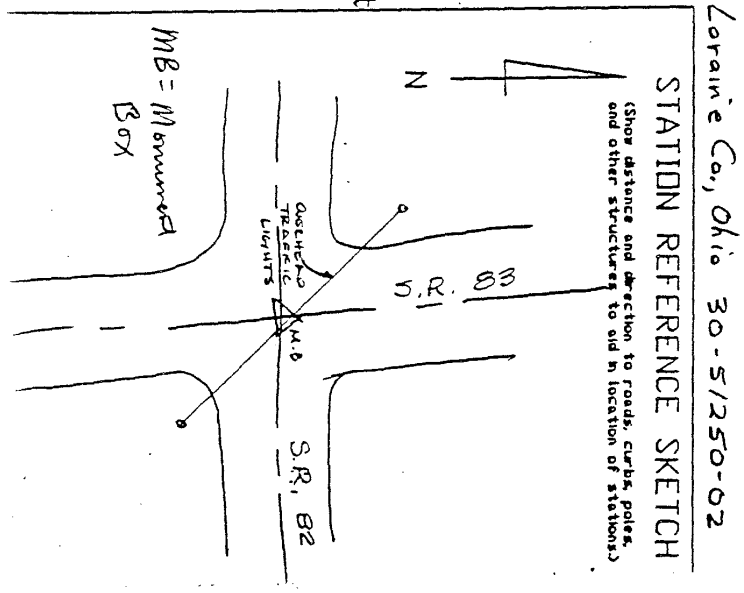
Station Name: LC03  
 Elevation 242.106 m 794.309 ft  
 Latitude (dms) 41 18 51.49840  
 Longitude (dms) 82 1 14.72710  
 Easting (X) in meters 640126.731  
 Northing (Y) in meters 183075.064  
 Easting (X) in US Survey ft 2100149.118  
 Northing (Y) in US Survey ft 600638.772  
 Easting (X) in international ft 2100153.318  
 Northing (Y) in international ft 600639.974  
 Scale .999994838  
 Convergence (dms) 0 18 53.419  
 Y0 155578.907



STATION # 3  
 LOCATION S.R. B2  
 USGS QUAD 400 S.R. B2  
 LAT \_\_\_\_\_  
 LDNG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 REFERENCE SKETCH  
 DATE 4/21/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER MJS  
 OBSERVER'S HEIGHT 5 FT. 20IN.

FINAL DATA JRD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV \_\_\_\_\_



Station Name: LC04  
 Elevation 240.306 m 788.405 ft  
 Latitude (dms) 41 21 4.56410  
 Longitude (dms) 81 58 15.97740  
 Easting (X) in meters 644259.185  
 Northing (Y) in meters 187203.900  
 Easting (X) in US Survey ft 2113707.009  
 Northing (Y) in US Survey ft 614184.797  
 Easting (X) in international ft 2113711.237  
 Northing (Y) in international ft 614186.025  
 Scale .99995136  
 Convergence (dms) 0 20 50.848  
 Y0 155578.907

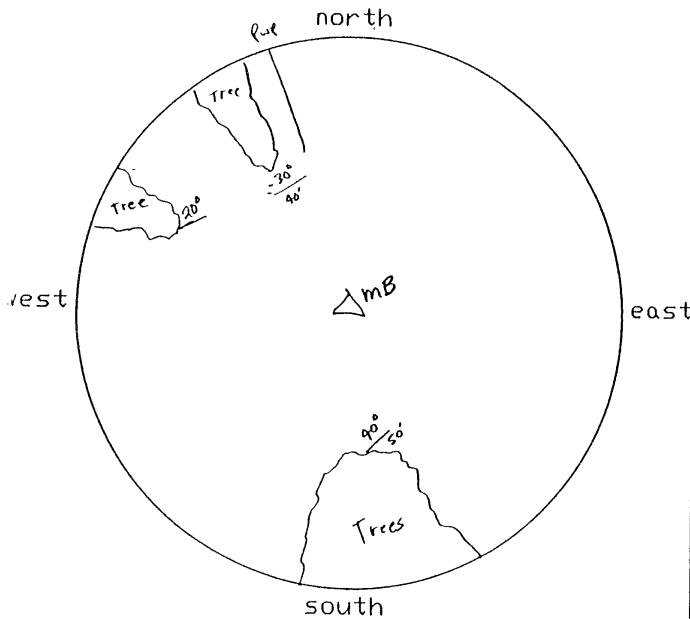
STATION #4  
 LOCATION Sprague Road  
 USGS QUAD 41 County Line  
 LAT.  
 LONG.

WOOLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE  
 MAP SHEET  
 OBSERVER JER  
 OBSERVER'S HEIGHT 5 FT 2 IN.

FINAL DATA RECORD

STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV.

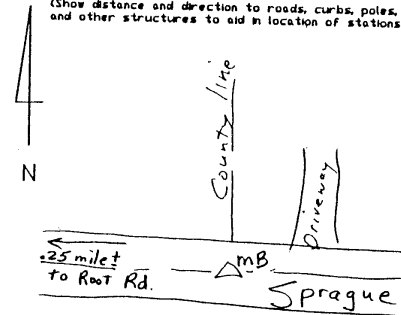
NOTES: show the distance to the  
 nearest edge of all obstructions  
 exceeding 20'.



Loraine Co., Ohio 30-51250-02

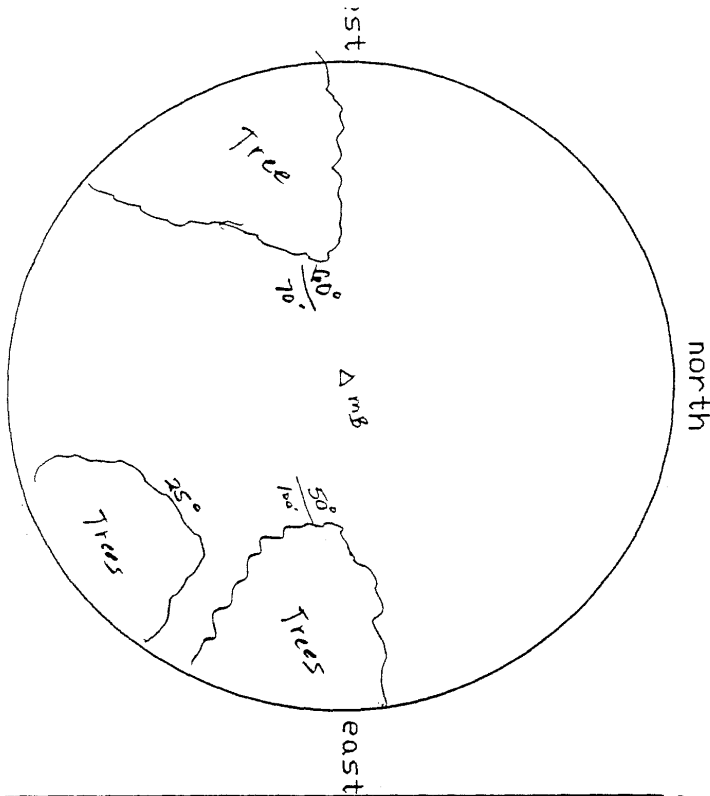
STATION REFERENCE SKETCH

(Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations.)



MB = Monument Box

Station Name: LC05  
 Elevation 238.891 m 783.763 ft  
 Latitude (dms) 41 21 3.57860  
 Longitude (dms) 81 55 3.67010  
 Easting (X) in meters 648729.526  
 Northing (Y) in meters 187201.977  
 Easting (X) in US Survey ft 2128373.453  
 Northing (Y) in US Survey ft 614178.487  
 Easting (X) in international ft 2128377.710  
 Northing (Y) in international ft 614179.715  
 Scale .99995133  
 Convergence (dms) 0 22 57.185  
 Y0 155578.907



STATION ME 5  
 LOCATION Sprague and  
           Fernwood  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the  
 nearest edge of all obstructions  
 exceeding 20'.

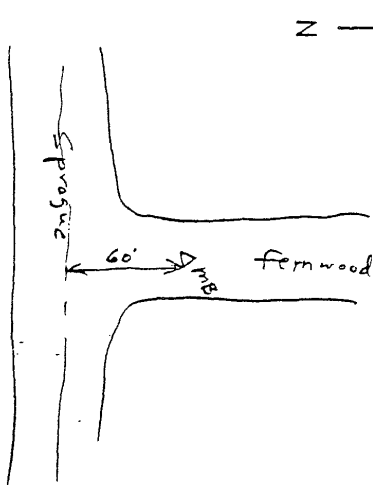
WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEL  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA R RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_

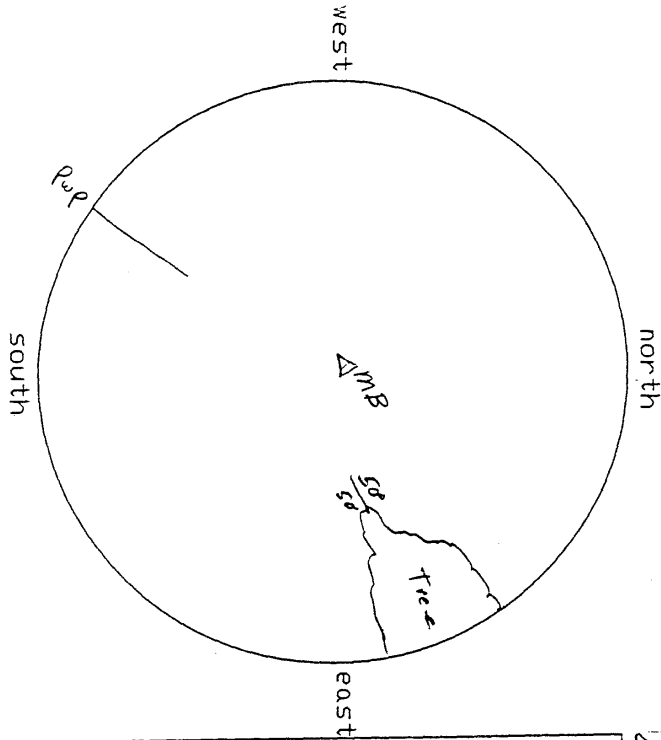
Laraine Co, Ohio 30-51250-02

STATION REFERENCE SKETCH

(Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations)



Station Name: LC06  
 Elevation 243.353 m 798.402 ft  
 Latitude (dms) 41 21 2.76070  
 Longitude (dms) 81 52 34.53600  
 Easting (X) in meters 652196.295  
 Northing(Y) in meters 187200.716  
 Easting (X) in US Survey ft 2139747.346  
 Northing(Y) in US Survey ft 614174.349  
 Easting (X) in international ft 2139751.625  
 Northing(Y) in international ft 614175.578  
 Scale .99995132  
 Convergence (dms) 0 24 35.158  
 Y0 155578.907

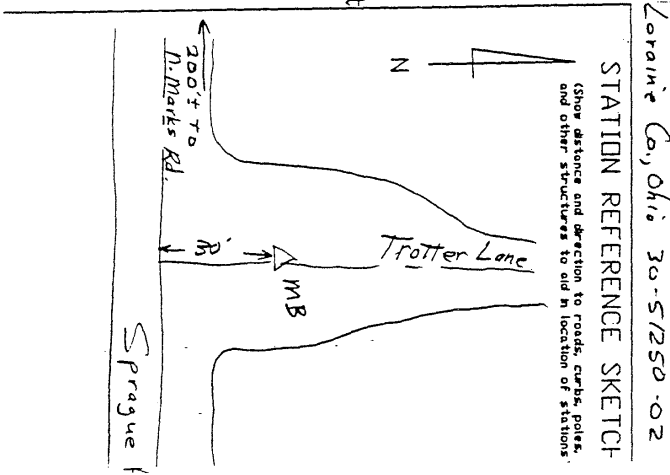


STATION LOCATION Woolpert Insultants  
 USGS QUAD 187200.716  
 LAT 41 21 2.76070  
 LONG 81 52 34.53600

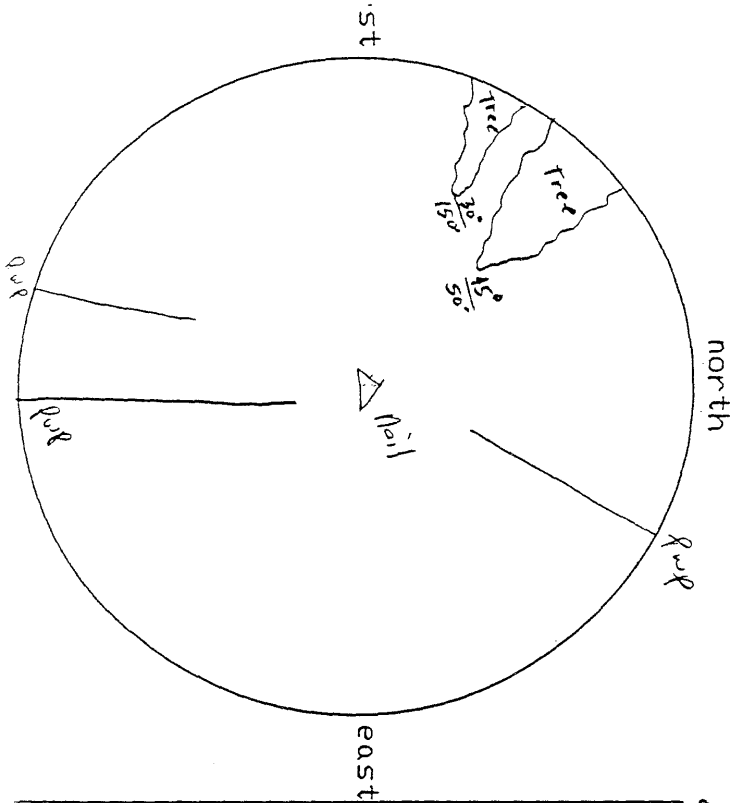
NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOOLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/09  
 MAP SCALE 1:200  
 MAP SHEET 1  
 OBSERVER JLR  
 OBSERVER'S HEIGHT 5' FT 9 IN

FINAL DATA RL RD  
 STATE OH  
 SPCS ZONE 18N  
 X(27) 652196.295  
 Y(83) 187200.716  
 ELEV 243.353



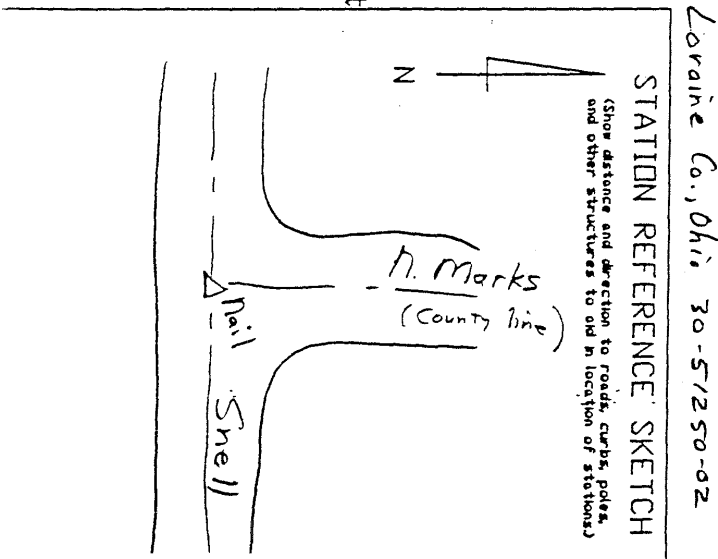
Station Name: LC07  
 Elevation 251.378 m 824.731 ft  
 Latitude (dms) 41 19 50.27320  
 Longitude (dms) 81 52 38.29020  
 Easting (X) in meters 652124.995  
 Northing (Y) in meters 184964.011  
 Easting (X) in US Survey ft 2139513.421  
 Northing (Y) in US Survey ft 606836.092  
 Easting (X) in international ft 2139517.701  
 Northing (Y) in international ft 606837.306  
 Scale .99994964  
 Convergence (dms) 0 24 32.692  
 Y0 155578.907



STATION # 7  
 LOCATION J. Marks Rd.  
 USGS QUAD Abd. Shell Rd.  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER J. L.  
 OBSERVER'S HEIGHT & FT. 9.1 IN.

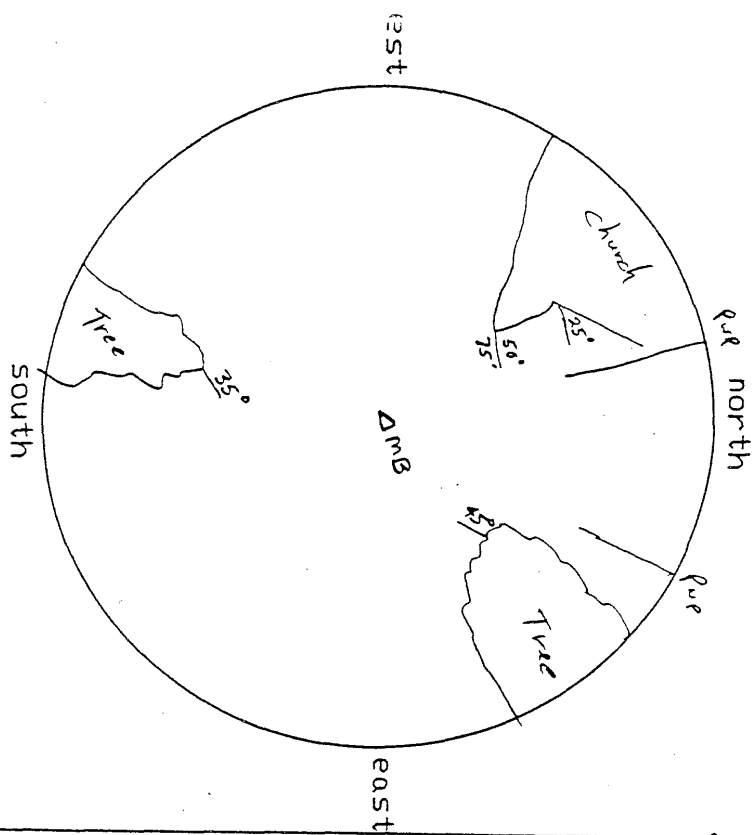
FINAL DATA RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations)



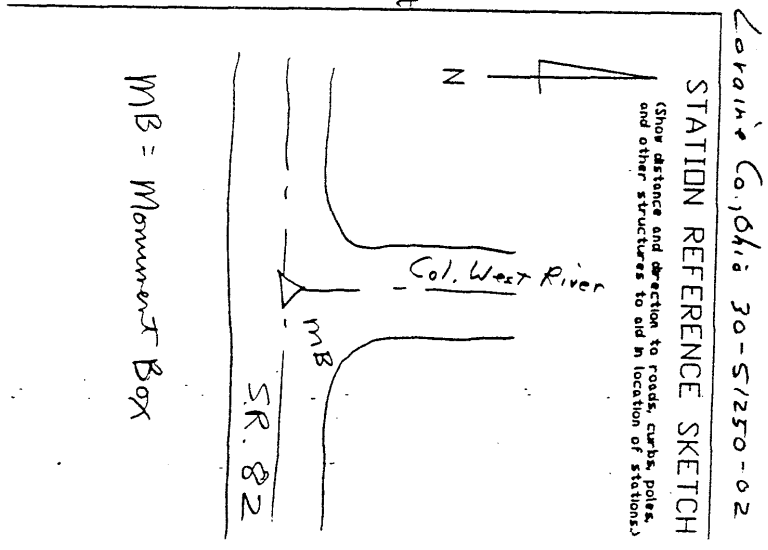
Station Name: LC08  
 Elevation 243.949 m 800.357 ft  
 Latitude (dms) 41 18 45.70190  
 Longitude (dms) 81 55 30.61980  
 Easting (X) in meters 648131.118  
 Northing (Y) in meters 182944.619  
 Easting (X) in US Survey ft 2126410.176  
 Northing (Y) in US Survey ft 600210.803  
 Easting (X) in international ft 2126414.429  
 Northing (Y) in international ft 600212.004  
 Scale .99994826  
 Convergence (dms) 0 22 39.480  
 Y0 155578.907



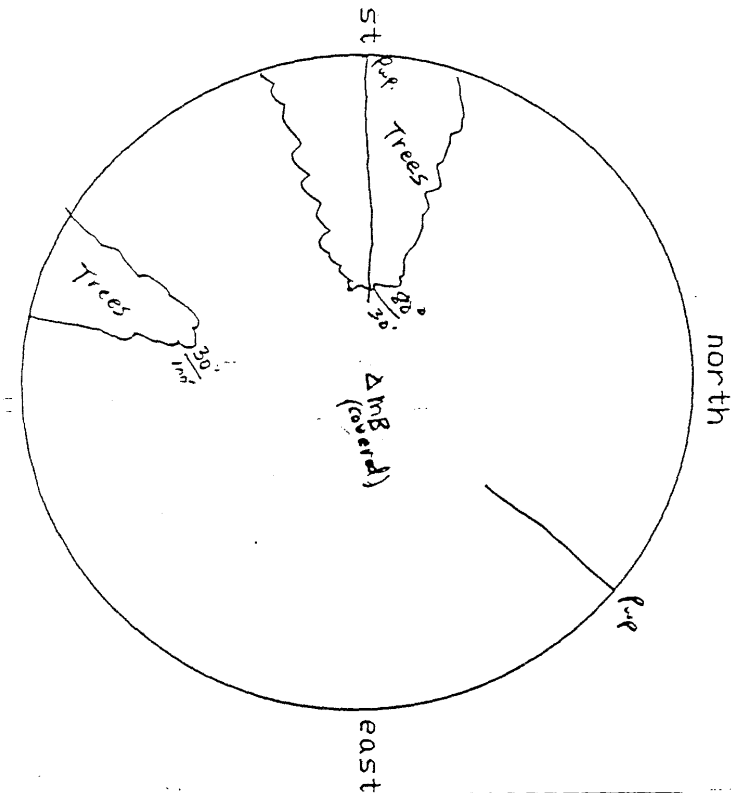
STATION LOCATION SR 82 and Col. West River  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JBR  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_  
 FINAL DATA RD



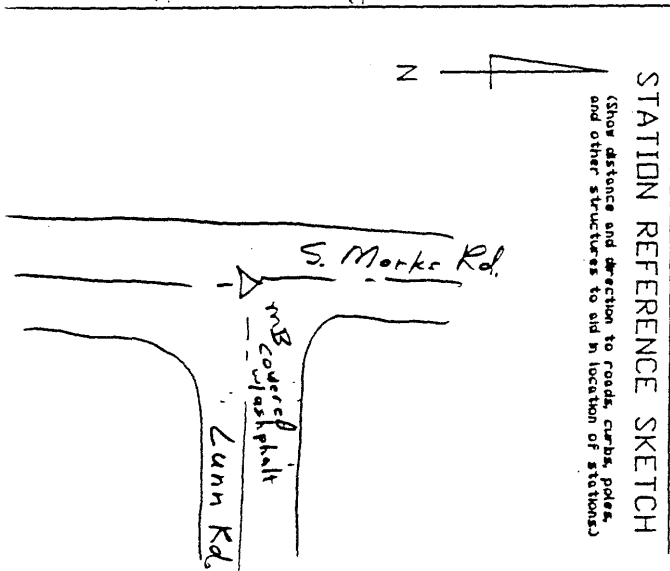
Station Name: LC09  
 Elevation 274.673 m 901.156 ft  
 Latitude (dms) 41 17 49.94370  
 Longitude (dms) 81 52 40.21900  
 Easting (X) in meters 652106.627  
 Northing (Y) in meters 181251.812  
 Easting (X) in US Survey ft 2139453.157  
 Northing (Y) in US Survey ft 594656.988  
 Easting (X) in international ft 2139457.436  
 Northing (Y) in international ft 594658.177  
 Scale .999994714  
 Convergence (dms) 0 24 31.425  
 Y0 155578.907



STATION # 9  
 LOCATION S. Marks Rd. and  
Lunn Rd.  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the  
 nearest edge of all obstructions  
 <ceeding 20'.

WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

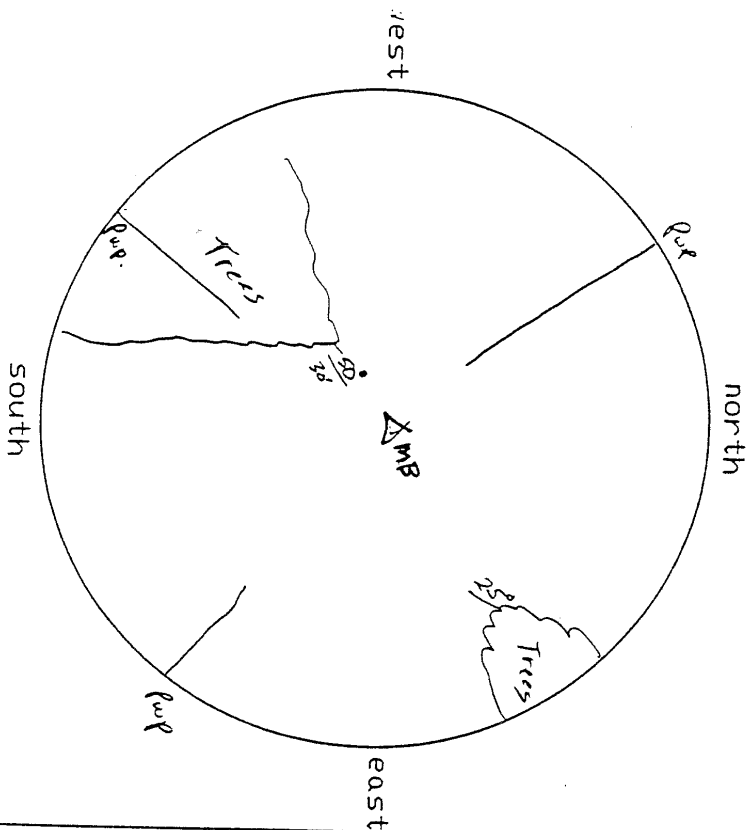
FINAL DATA R# RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, poles,  
 and other structures to aid in location of stations)

Lorain Co, Ohio 30-5/250-02

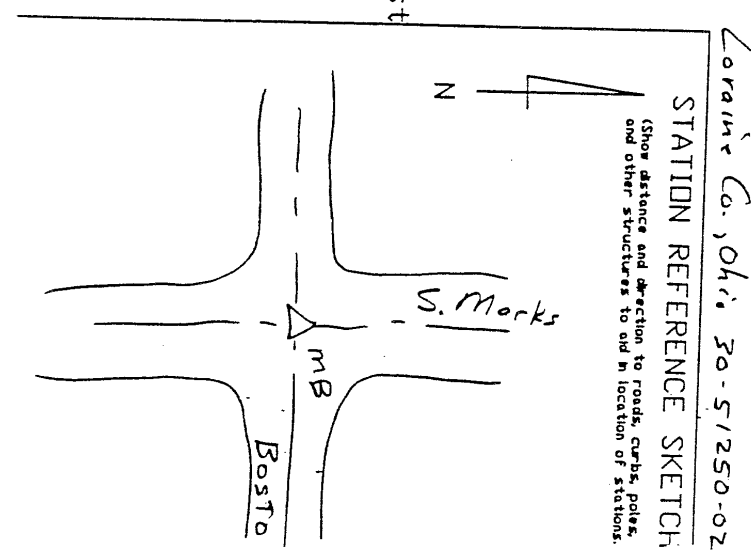
Station Name: LC10  
 Elevation 287.045 m 941.748 ft  
 Latitude (dms) 41 16 30.15000  
 Longitude (dms) 81 52 41.00890  
 Easting (X) in meters 652105.804  
 Northing (Y) in meters 178790.253  
 Easting (X) in US Survey ft 2139450.457  
 Northing (Y) in US Survey ft 586581.020  
 Easting (X) in international ft 2139454.736  
 Northing (Y) in international ft 586582.194  
 Scale .99994567  
 Convergence (dms) 0 24 30.906  
 Y0 155578.907



STATION LOCATION ME 10  
 USGS QUAD. S. Marks Rd. and Boston Rd.  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

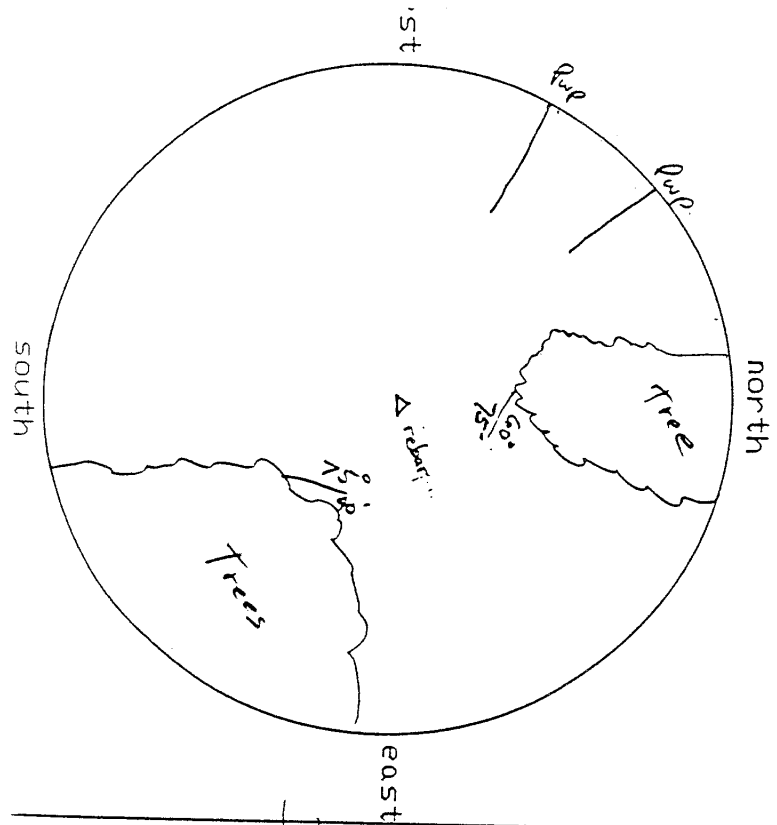
WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER T.E.L.  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA R RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



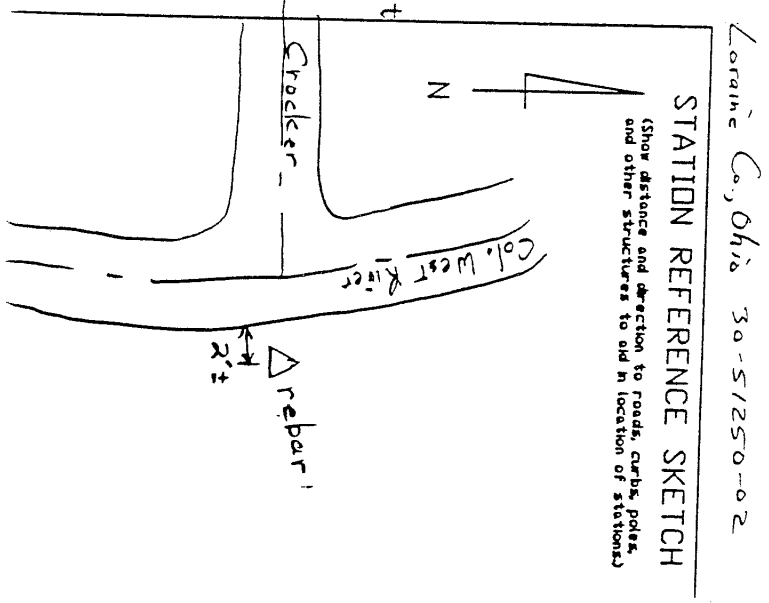
Station Name: LC11  
 Elevation 239.685 m 786.366 ft  
 Latitude (dms) 41 16 29.39370  
 Longitude (dms) 81 55 37.41050  
 Easting (X) in meters 648000.800  
 Northing (Y) in meters 178738.801  
 Easting (X) in US Survey ft 2125982.625  
 Northing (Y) in US Survey ft 586412.216  
 Easting (X) in international ft 2125986.877  
 Northing (Y) in international ft 586413.389  
 Scale .99994566  
 Convergence (dms) 0 22 35.019  
 Y0 155578.907

STATION NAME ME # 11  
 LOCATION Columbia West River  
 USGS QUAD 400 Crocker #1  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

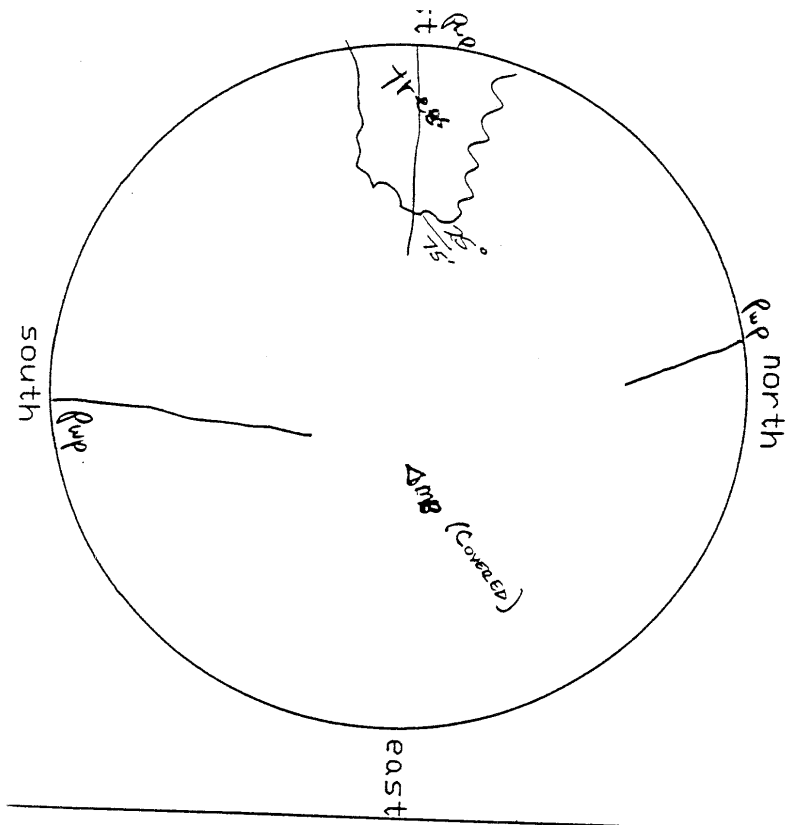


WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER LEK  
 OBSERVER'S HEIGHT 5 FT 9 IN

FINAL DATA R. JRD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



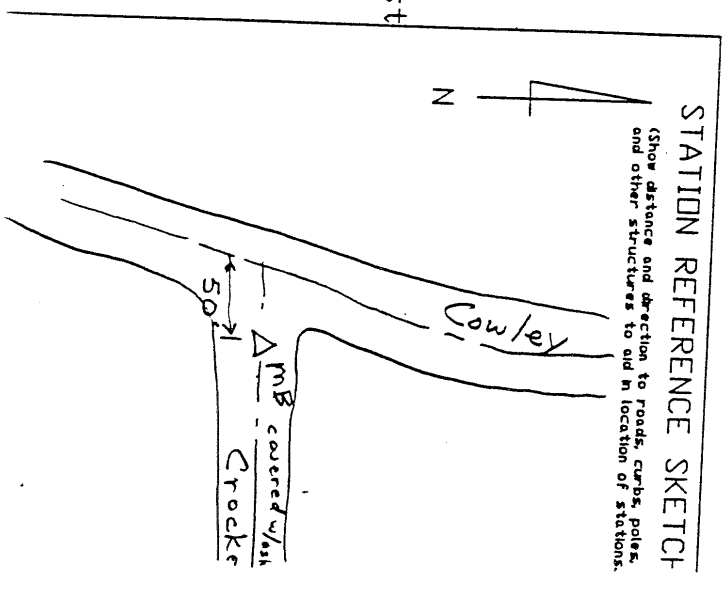
Station Name: LC12  
 Elevation 253.286 m 830.989 ft  
 Latitude (dms) 41 16 29.40060  
 Longitude (dms) 81 58 54.97120  
 Easting (X) in meters 643403.202  
 Northing(Y) in meters 178710.257  
 Easting (X) in US Survey ft 2110898.673  
 Northing(Y) in US Survey ft 586318.568  
 Easting (X) in international ft 2110902.895  
 Northing(Y) in international ft 586319.740  
 Scale .99994566  
 Convergence (dms) 0 20 25.231  
 Y0 155578.907



LOCATION Cowley Rd  
 USGS QUAD and Crocker Rd  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the  
 farthest edge of all obstructions  
 exceeding 20'.

WULLPERI INSULLIANIS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/09  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER WJK  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

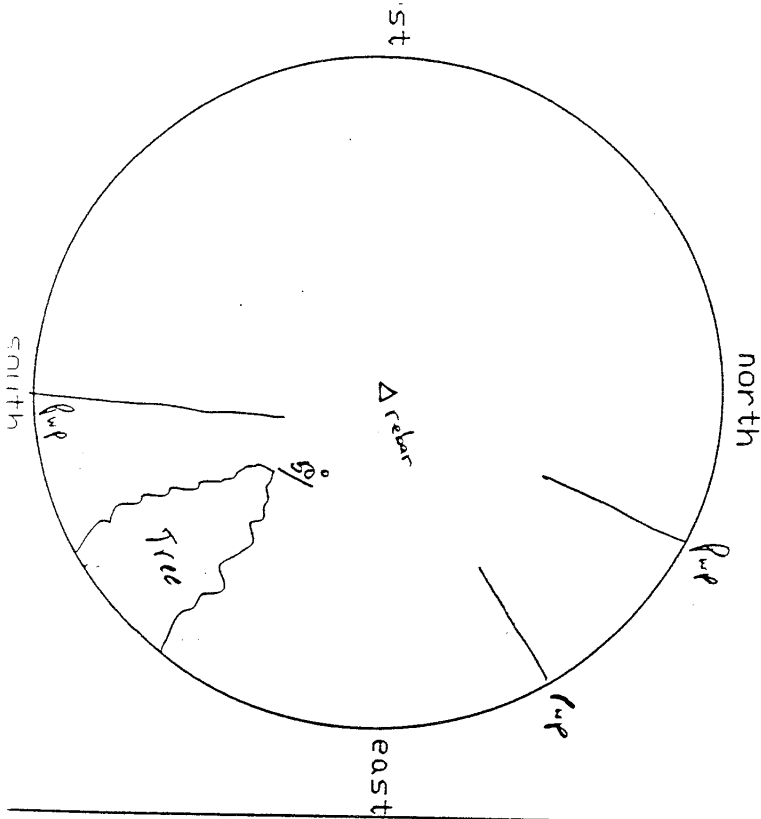
FINAL DATA R. RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



Station Reference Sketch  
 (Show distance and direction to roads, curbs, poles,  
 and other structures to aid in location of stations.)  
 Cowaine Co, Ohio 30-5/250-02

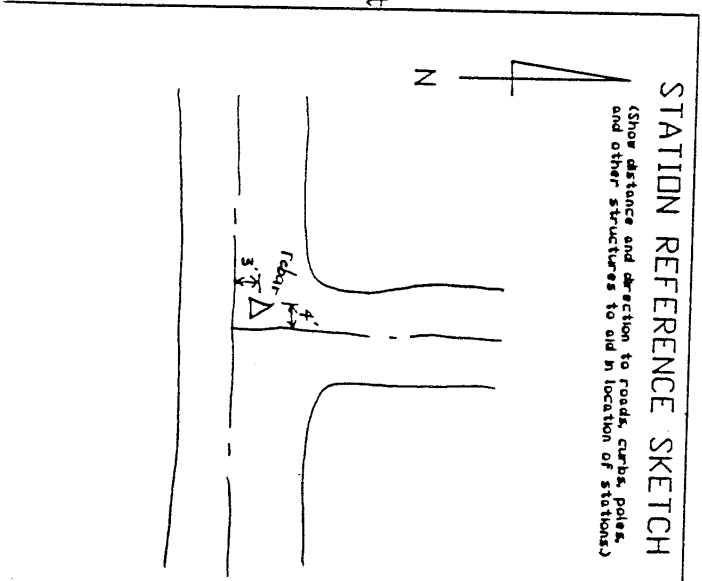
Station Name: LC13  
 Elevation 272.230 m 893.140 ft  
 Latitude (dms) 41 14 15.86910  
 Longitude (dms) 81 58 23.88700  
 Easting (X) in meters 644151.465  
 Northing(Y) in meters 174595.488  
 Easting (X) in US Survey ft 2113353.599  
 Northing(Y) in US Survey ft 572818.699  
 Easting (X) in international ft 2113357.826  
 Northing(Y) in international ft 572819.844  
 Scale .99994353  
 Convergence (dms) 0 20 45.652  
 YO 155578.907

STATION # 15  
 LOCATION ME SR 303 and  
 USGS QUAD Eiteljof-Dartmouth Rd.  
 LAT  
 LONG  
 DTES: show the distance to the  
 nearest edge of all obstructions  
 exceeding 20'.

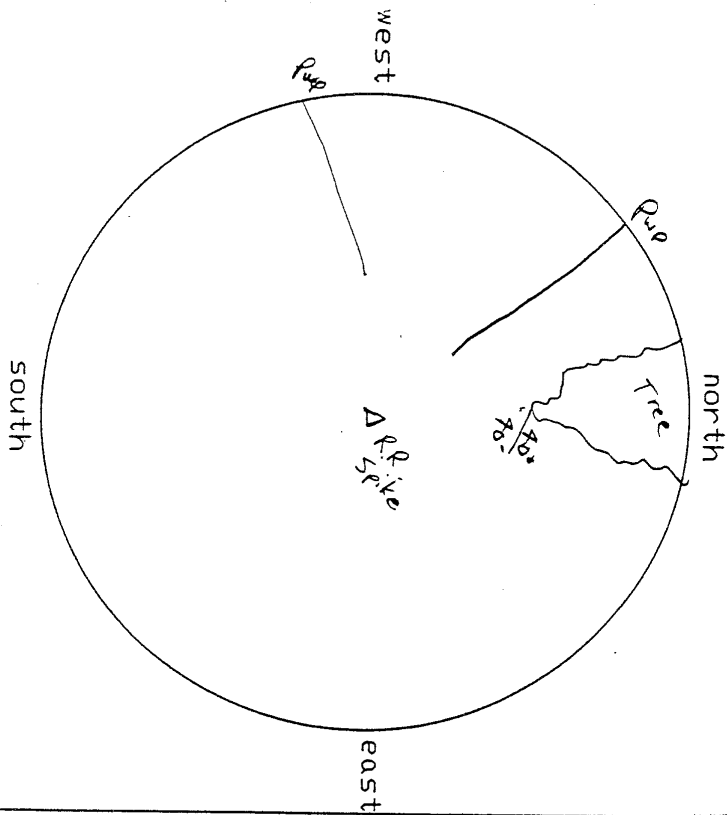


WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/09  
 MAP SCALE  
 MAP SHEET  
 OBSERVER JEL  
 OBSERVER'S HEIGHT 5 FT 2 IN.

FINAL DATA R. RD  
 STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV.



Station Name: LC14  
 Elevation 285.865 m 937.877 ft  
 Latitude (dms) 41 12 25.99120  
 Longitude (dms) 81 58 25.64480  
 Easting (X) in meters 644130.985  
 Northing(Y) in meters 171205.818  
 Easting (X) in US Survey ft 2113286.408  
 Northing(Y) in US Survey ft 561697.756  
 Easting (X) in international ft 2113290.634  
 Northing(Y) in international ft 561698.879  
 Scale .99994210  
 Convergence (dms) 0 20 44.497  
 Y0 155578.907

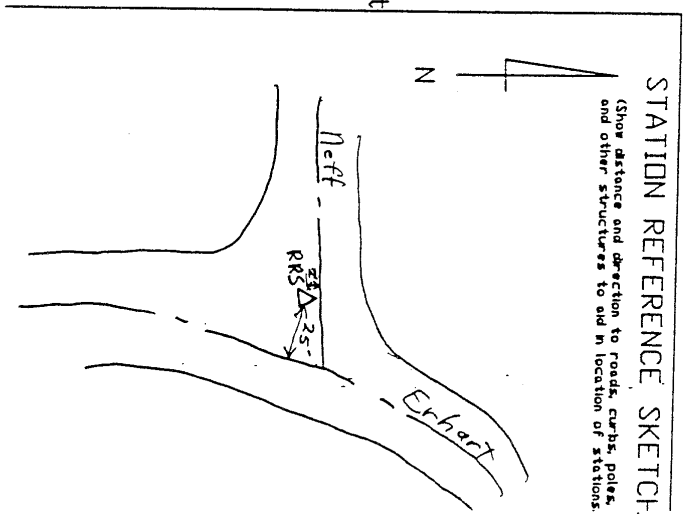


STATION NE # 14  
 LOCATION Erhart PA  
 USGS QUAD and Neff RI  
 LAI  
 LONG.

NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

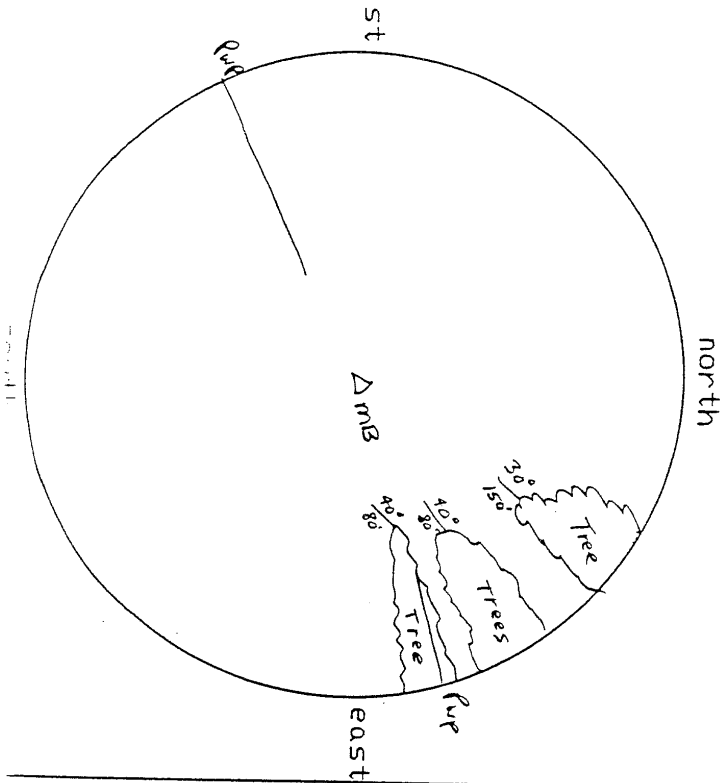
WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/09  
 MAP SCALE  
 MAP SHEET  
 OBSERVER JEEK  
 OBSERVER'S HEIGHT 5 FT 9 IN

FINAL DATA RECORD  
 STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV.



Loraine Co., Ohio 30-57250-02

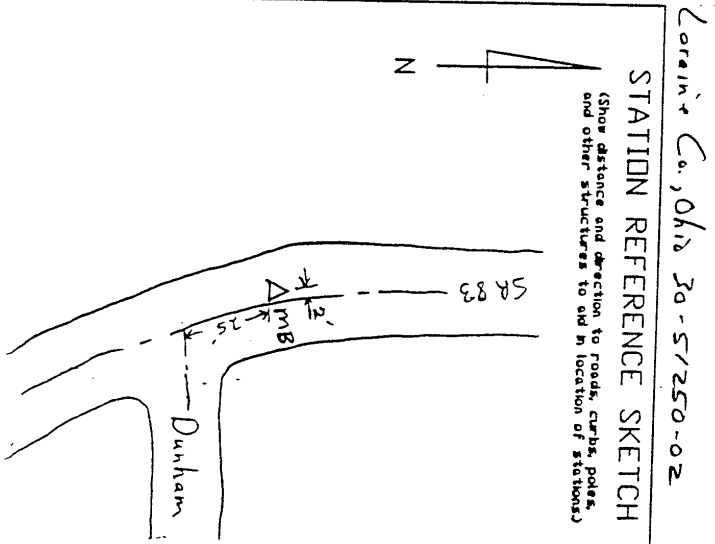
Station Name: LC15  
 Elevation 289.061 m 948.360 ft  
 Latitude (dms) 41 11 59.61900  
 Longitude (dms) 82 1 26.03950  
 Easting (X) in meters 639932.987  
 Northing(Y) in meters 170368.163  
 Easting (X) in US Survey ft 2099513.475  
 Northing(Y) in US Survey ft 558949.548  
 Easting (X) in international ft 2099517.674  
 Northing(Y) in international ft 558950.665  
 Scale .99994179  
 Convergence (dms) 0 18 45.987  
 Y0 155578.907



STATION # 15  
 LOCATION SR 83 and Durham Rd  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: Show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEE  
 OBSERVER'S HEIGHT 5 FT 2 IN

FINAL DATA R RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



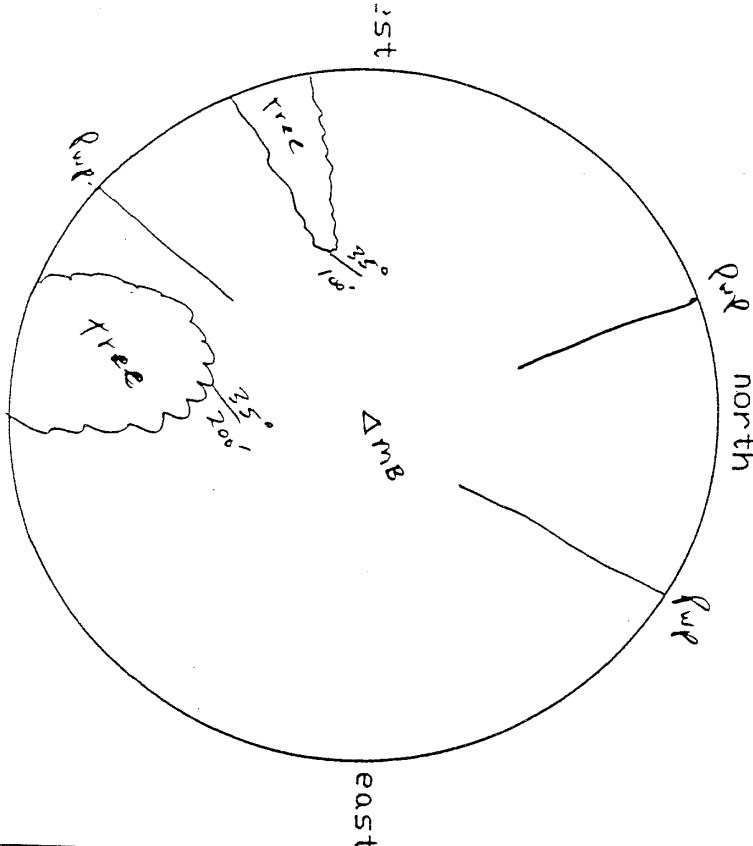
**STATION REFERENCE SKETCH**  
 (Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations)

Lorain Co., Ohio 30-51250-02





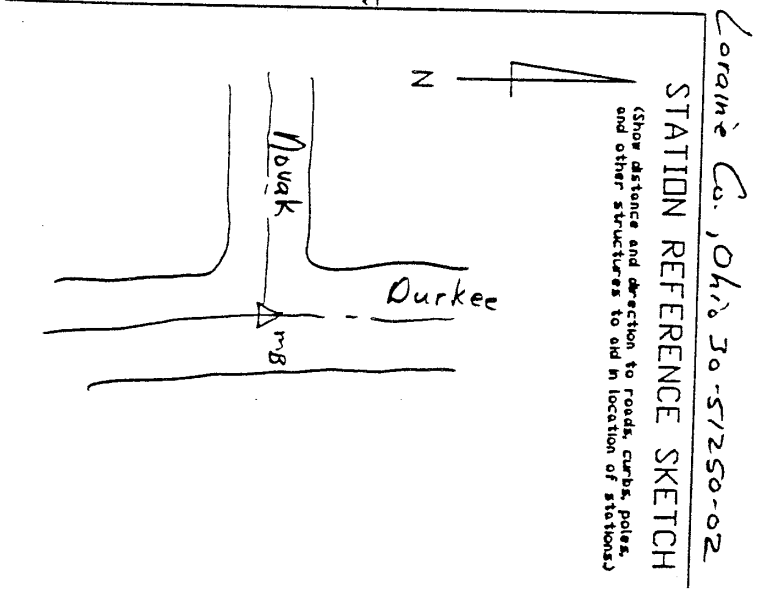
Station Name: LC17  
 Elevation 244.481 m 802.102 ft  
 Latitude (dms) 41 16 56.13750  
 Longitude (dms) 82 3 4.34510  
 Easting (X) in meters 637595.550  
 Northing (Y) in meters 179502.861  
 Easting (X) in US Survey ft 2091844.735  
 Northing (Y) in US Survey ft 588918.970  
 Easting (X) in international ft 2091848.918  
 Northing (Y) in international ft 588920.148  
 Scale .99994613  
 Convergence (dms) 0 17 41.405  
 Y0 155578.907



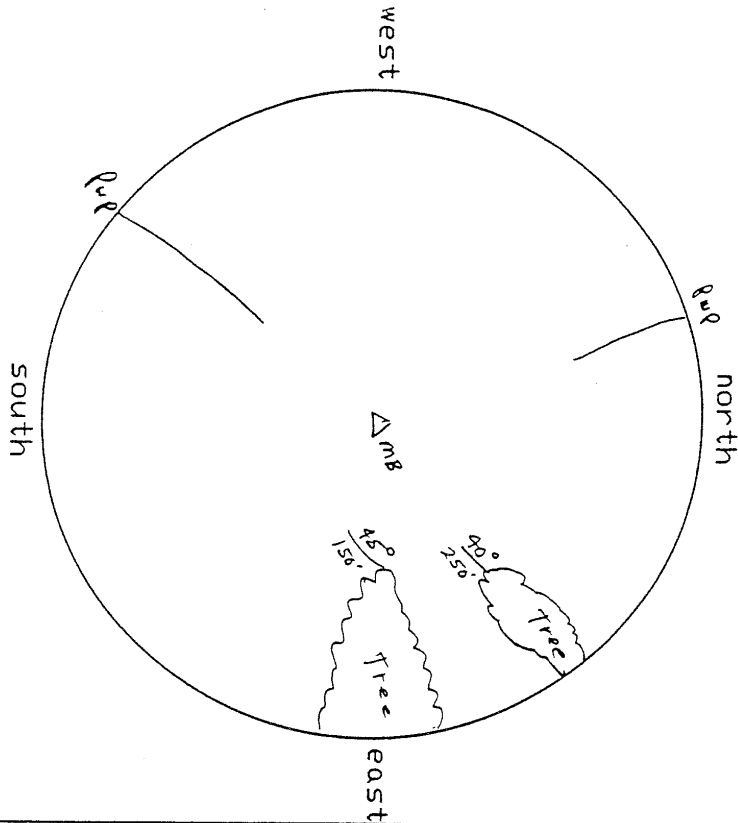
STATION # ME 17  
 LOCATION Durkee (E/Th) Road  
 USGS QUAD 4th Navak  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT. 2 IN.

FINAL DATA R. RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



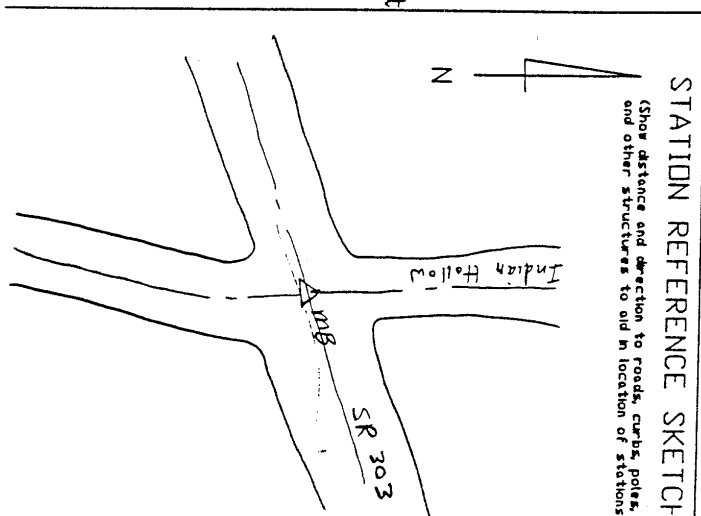
Station Name: LC18  
 Elevation 252.326 m 827.840 ft  
 Latitude (dms) 41 14 14.39210  
 Longitude (dms) 82 5 9.36670  
 Easting (X) in meters 634710.066  
 Northing (Y) in meters 174499.004  
 Easting (X) in US Survey ft 2082377.942  
 Northing (Y) in US Survey ft 572502.149  
 Easting (X) in international ft 2082382.106  
 Northing (Y) in international ft 572503.294  
 Scale .99994351  
 Convergence (dms) 0 16 19.272  
 YO 155578.907



STATION # 18  
 LOCATION SR 303 and Indian Hollow Rd.  
 USGS QUAD  
 LAT  
 LONG  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

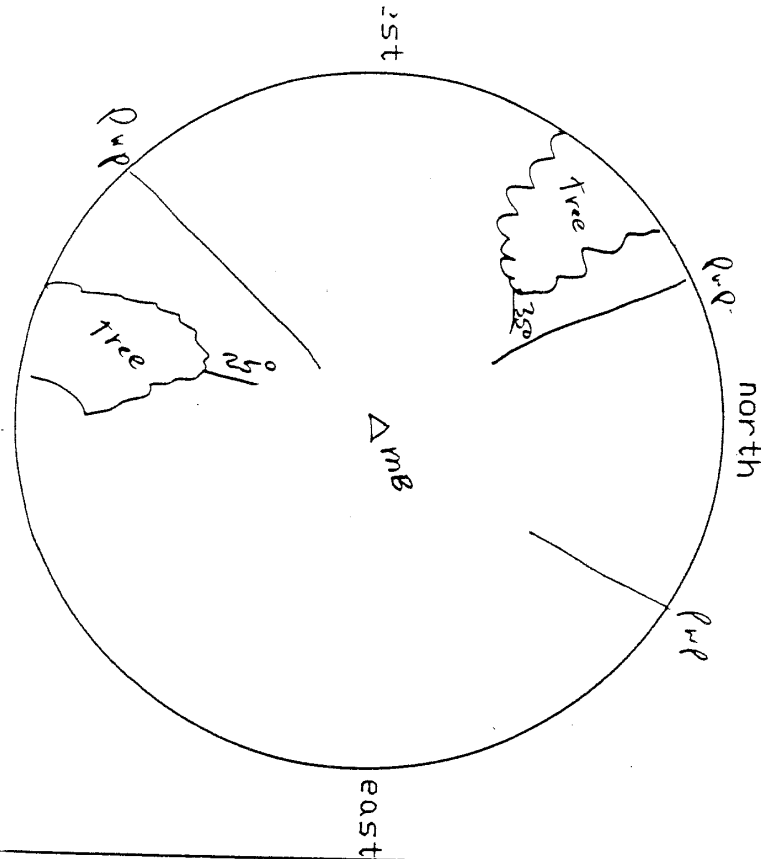
WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE  
 MAP SHEET  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT 9 IN.

FINAL DATA ROAD  
 STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV



Laraine Co, Ohio 30-51250-02  
 STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations.)

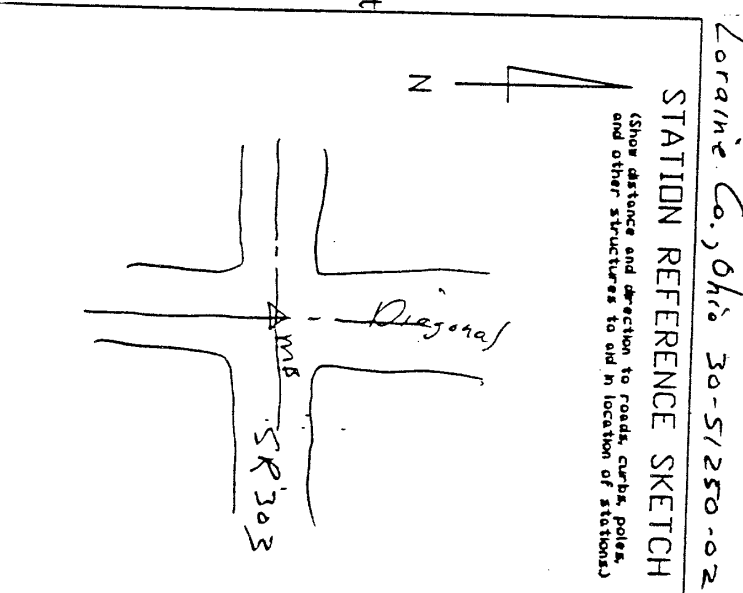
Station Name: LC19  
 Elevation 243.960 m 800.392 ft  
 Latitude (dms) 41 14 14.07820  
 Longitude (dms) 82 9 27.68280  
 Easting (X) in meters 628695.132  
 Northing (Y) in meters 174463.238  
 Easting (X) in US Survey ft 2062643.945  
 Northing (Y) in US Survey ft 572384.808  
 Easting (X) in international ft 2062648.070  
 Northing (Y) in international ft 572385.953  
 Scale .99994351  
 Convergence (dms) 0 13 29.571  
 Y0 155578.907



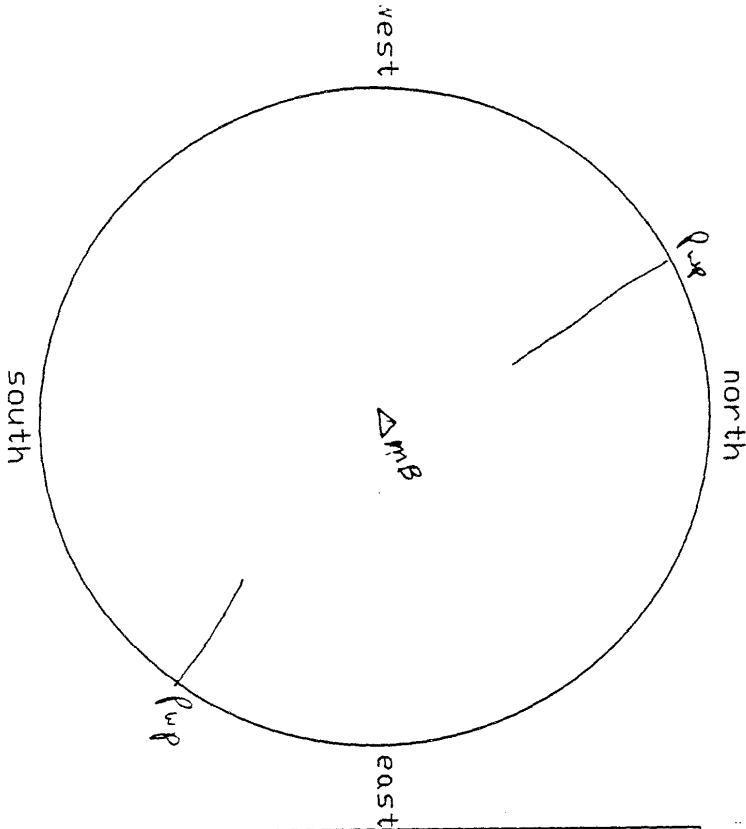
STATION: ME # 19  
 LOCATION: SR 303 and Diagonal Rd.  
 USGS QUAD: \_\_\_\_\_  
 LAT: \_\_\_\_\_  
 LONG: \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JGL  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA CARD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



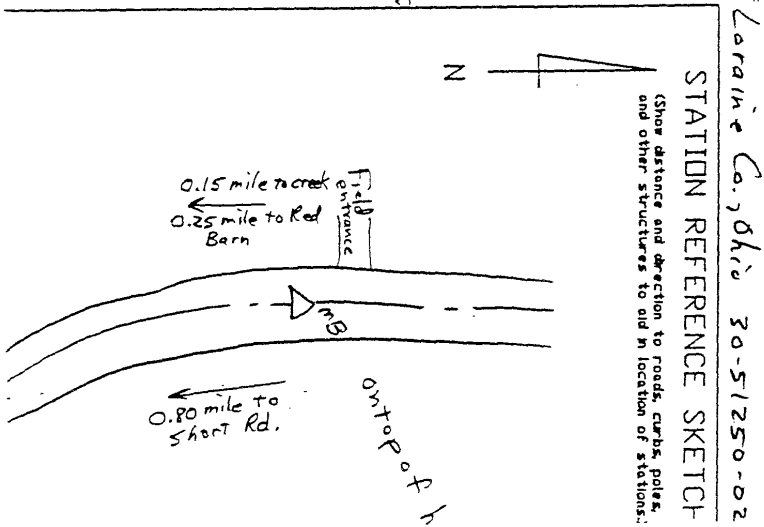
Station Name: LC20  
 Elevation 256.054 m 840.071 ft  
 Latitude (dms) 41 12 1.60710  
 Longitude (dms) 82 4 45.30480  
 Easting (X) in meters 635290.115  
 Northing(Y) in meters 170405.620  
 Easting (X) in US Survey ft 2084280.984  
 Northing(Y) in US Survey ft 559072.437  
 Easting (X) in international ft 2084285.153  
 Northing(Y) in international ft 559073.555  
 Scale .99994182  
 Convergence (dms) 0 16 35.079  
 Y0 155578.907



STATION # 20  
 LOCATION Victorian Road  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

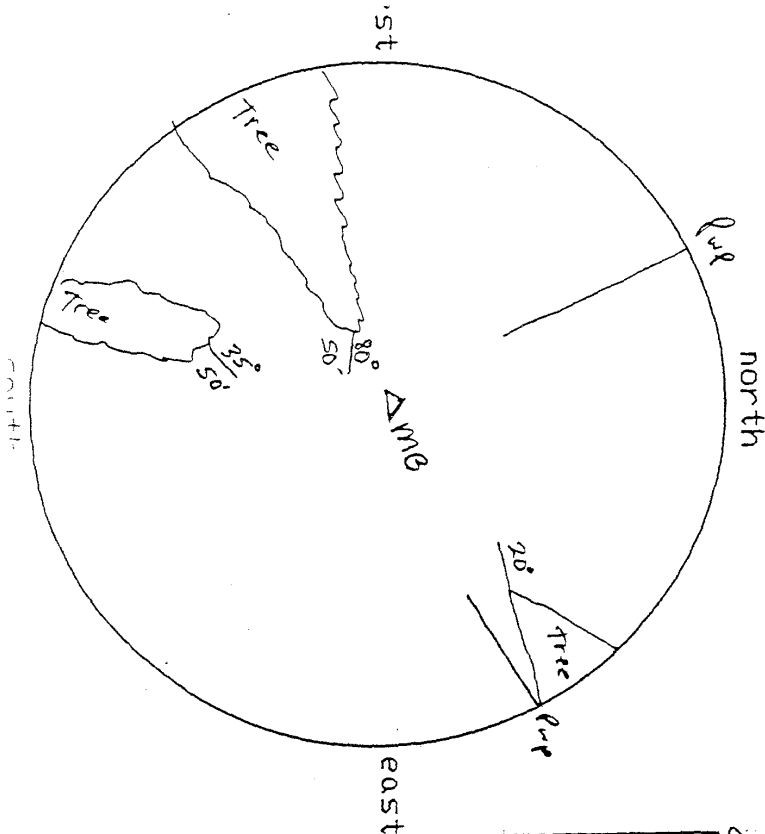
WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA R. RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(G27) \_\_\_\_\_  
 Y(G27) \_\_\_\_\_  
 X(G83) \_\_\_\_\_  
 Y(G83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations.)

Station Name: LC21  
 Elevation 267.190 m 876.607 ft  
 Latitude (dms) 41 9 14.53780  
 Longitude (dms) 82 5 22.50040  
 Easting (X) in meters 634447.772  
 Northing (Y) in meters 165247.887  
 Easting (X) in US Survey ft 2081517.398  
 Northing (Y) in US Survey ft 542150.777  
 Easting (X) in international ft 2081521.561  
 Northing (Y) in international ft 542151.861  
 Scale .99994027  
 Convergence (dms) 0 16 10.644  
 Y0 155578.907

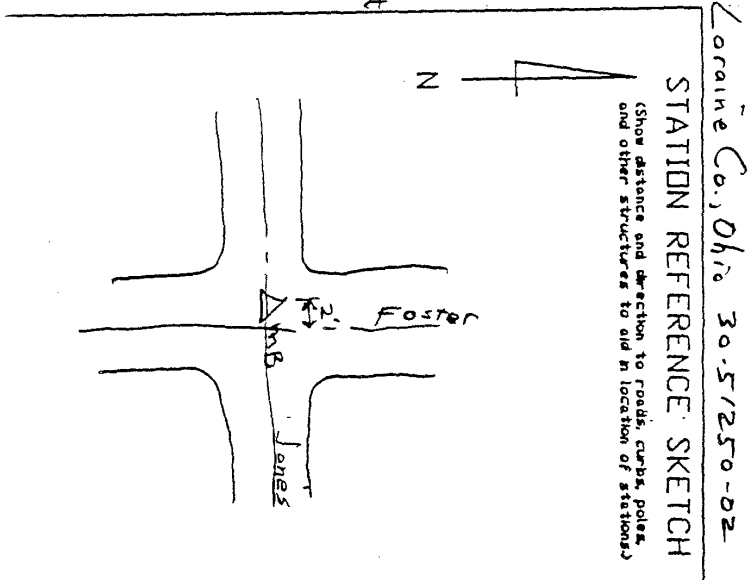


STATION NAME ME 21  
 LOCATION Foster Rd and Jones Rd  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

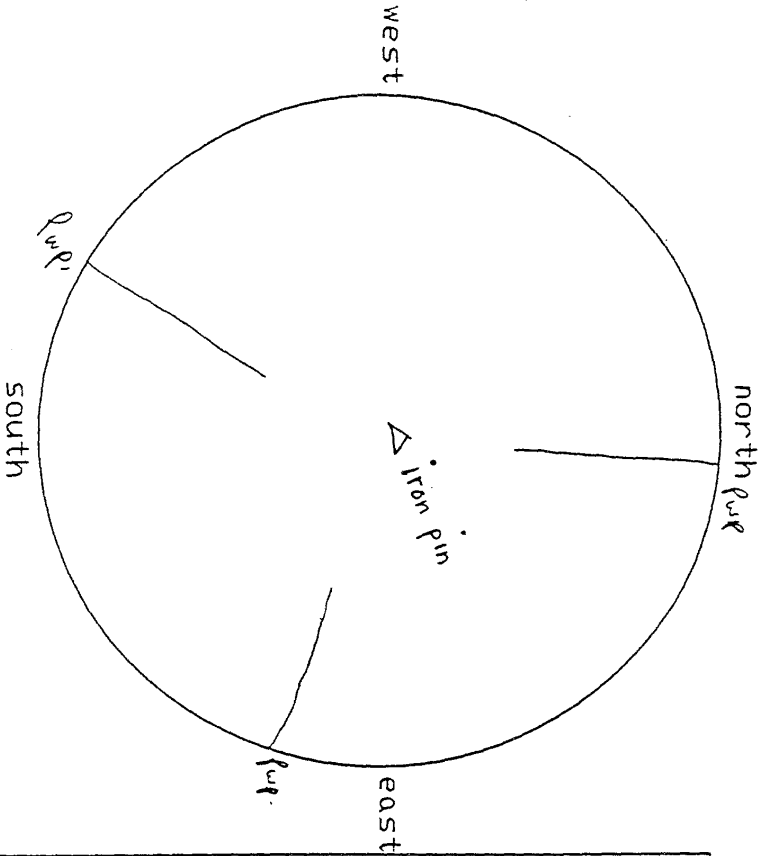
WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT 9 IN.

STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 XC(27) \_\_\_\_\_  
 YC(27) \_\_\_\_\_  
 XC(83) \_\_\_\_\_  
 YC(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_

FINAL DATA R JD



Station Name: LC22  
 Elevation 272.845 m 895.160 ft  
 Latitude (dms) 41 8 11.15890  
 Longitude (dms) 82 4 27.30160  
 Easting (X) in meters 635744.261  
 Northing(Y) in meters 163299.016  
 Easting (X) in US Survey ft 2085770.962  
 Northing(Y) in US Survey ft 535756.854  
 Easting (X) in international ft 2085775.133  
 Northing(Y) in international ft 535757.926  
 Scale .99993986  
 Convergence (dms) 0 16 46.907  
 Y0 155578.907

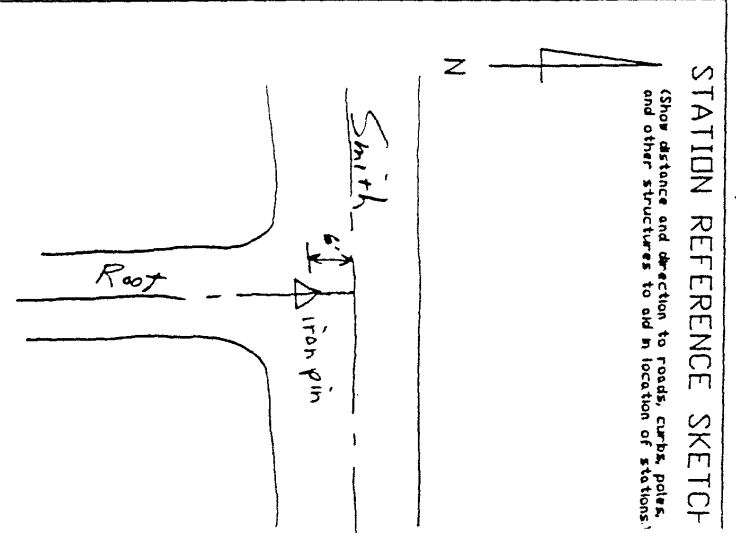


STATION LOCATION ME 4 22  
 Smith Rd  
 and Root Rd  
 USGS QUAD  
 LAT  
 LONG

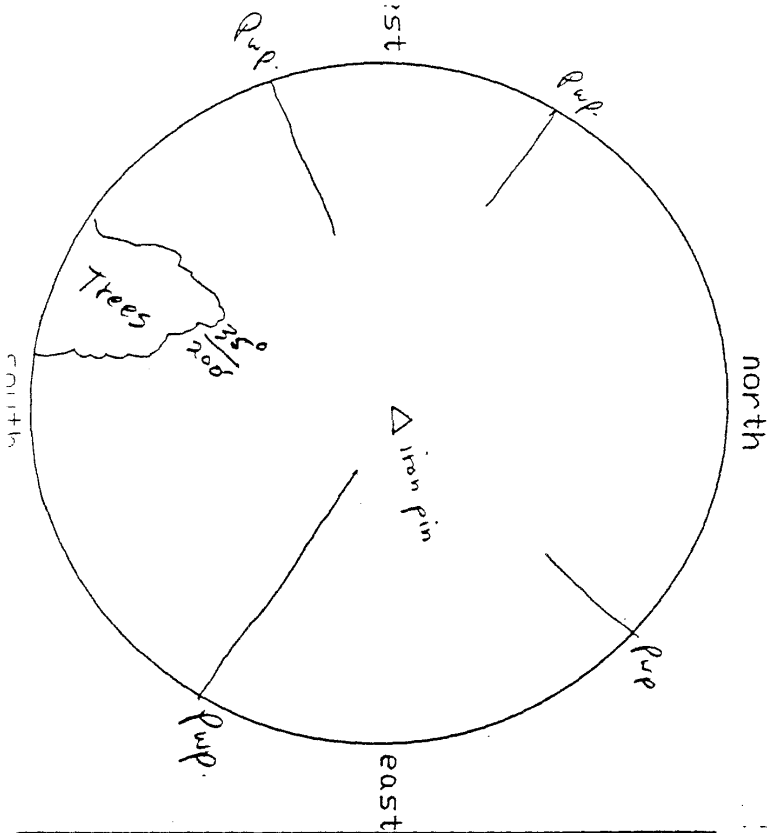
NOTES: show the distance to the nearest edge of all obstructions exceeding 20'

WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/09  
 MAP SCALE  
 MAP SHEET  
 OBSERVER Jek  
 OBSERVER'S HEIGHT 5 FT. 2 IN.

FINAL DATA R. RD  
 STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV



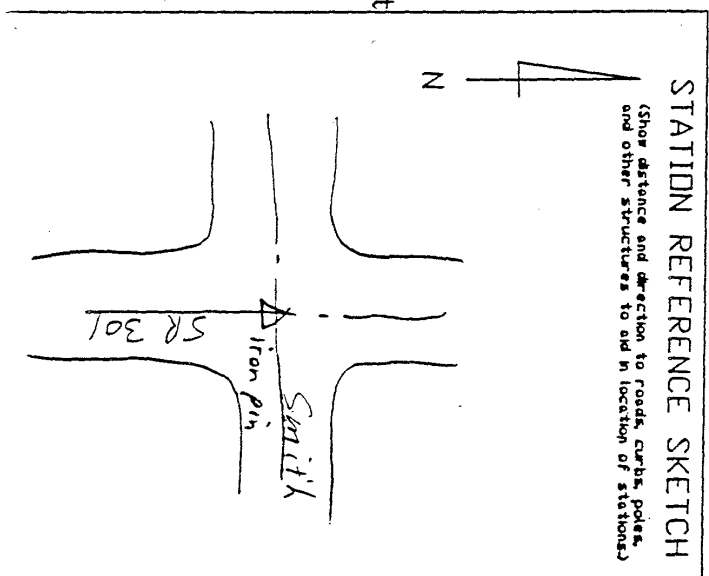
Station Name: LC23  
 Elevation 256.442 m 841.344 ft  
 Latitude (dms) 41 8 12.23700  
 Longitude (dms) 82 7 22.07730  
 Easting (X) in meters 631668.177  
 Northing (Y) in meters 163313.509  
 Easting (X) in US Survey ft 2072398.010  
 Northing (Y) in US Survey ft 535804.404  
 Easting (X) in international ft 2072402.155  
 Northing (Y) in international ft 535805.476  
 Scale .99993986  
 Convergence (dms) 0 14 52.088  
 Y0 155578.907



STATION NAME LC23  
 LOCATION SR 301 and Smith Rd.  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

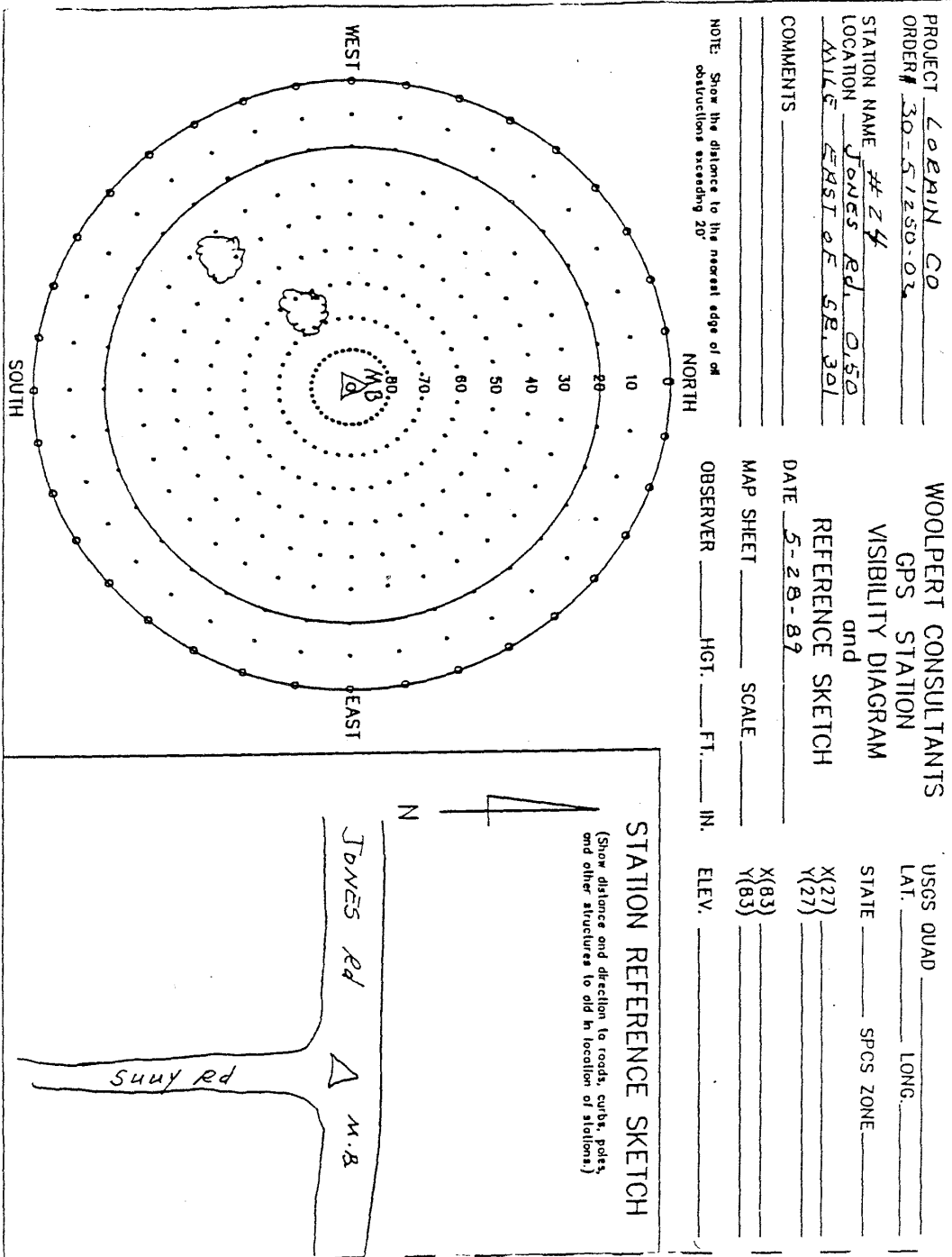
WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/09  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER LER  
 OBSERVER'S HEIGHT 5 FT 9 IN.

FINAL DATA K RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(E77) \_\_\_\_\_  
 Y(N27) \_\_\_\_\_  
 X(B3) \_\_\_\_\_  
 Y(N3) \_\_\_\_\_  
 ELEV. \_\_\_\_\_





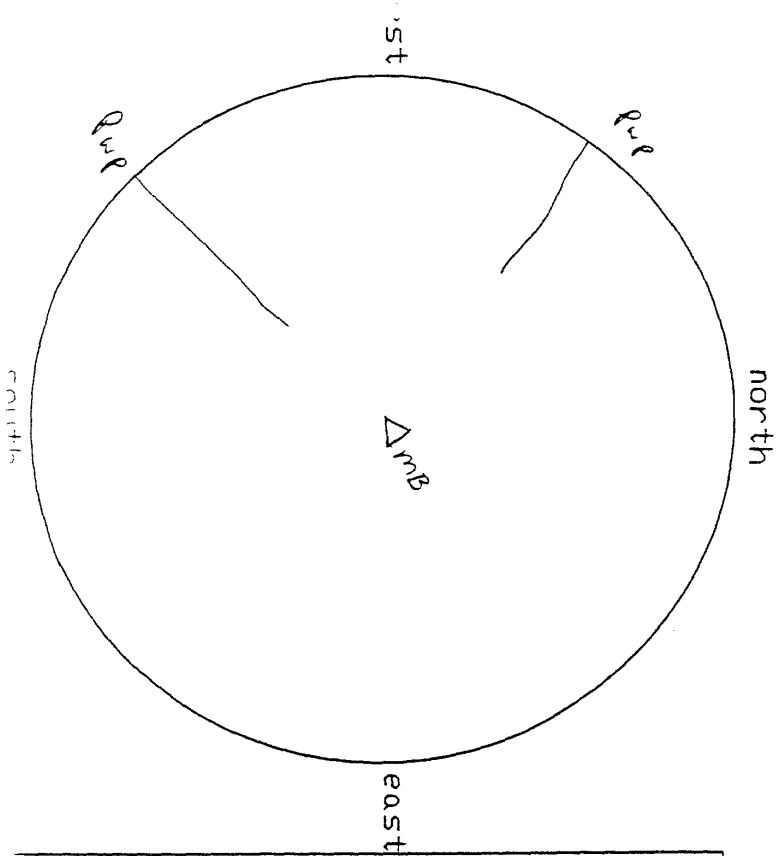
Station Name: LC24  
 Elevation 256.756 m 842.374 ft  
 Latitude (dms) 41 9 14.99160  
 Longitude (dms) 82 6 46.82520  
 Easting (X) in meters 632481.698  
 Northing(Y) in meters 165252.898  
 Easting (X) in US Survey ft 2075067.037  
 Northing(Y) in US Survey ft 542167.216  
 Easting (X) in international ft 2075071.187  
 Northing(Y) in international ft 542168.300  
 Scale .99994028  
 Convergence (dms) 0 15 15.247  
 Y0 155578.907



PROJECT Leppin Co  
 ORDER# 30-51250-02  
 STATION NAME # 24  
 LOCATION Jones Rd. 0.50  
miles east of S.B. 301  
 COMMENTS \_\_\_\_\_  
 DATE 5-28-89  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN. ELEV. \_\_\_\_\_  
 WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 USGS QUAD \_\_\_\_\_ LAT. \_\_\_\_\_ LONG. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_

**STATION REFERENCE SKETCH**  
 (Show distance and direction to roads, curbs, poles,  
 and other structures to aid in location of stations.)

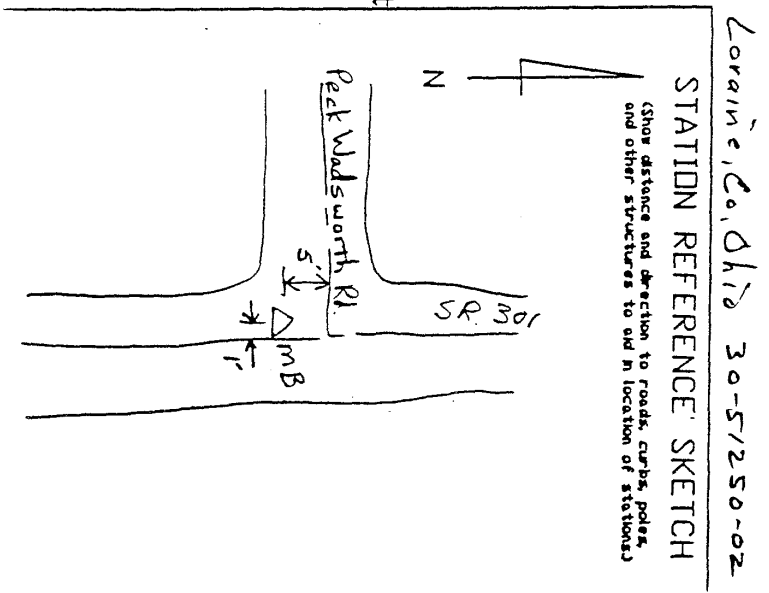
Station Name: LC25  
 Elevation 257.975 m 846.373 ft  
 Latitude (dms) 41 11 22.52510  
 Longitude (dms) 82 7 15.48090  
 Easting (X) in meters 631796.501  
 Northing(Y) in meters 169184.004  
 Easting (X) in US Survey ft 2072819.019  
 Northing(Y) in US Survey ft 555064.520  
 Easting (X) in international ft 2072823.165  
 Northing(Y) in international ft 555065.630  
 Scale .99994140  
 Convergence (dms) 0 14 56.421  
 Y0 155578.907



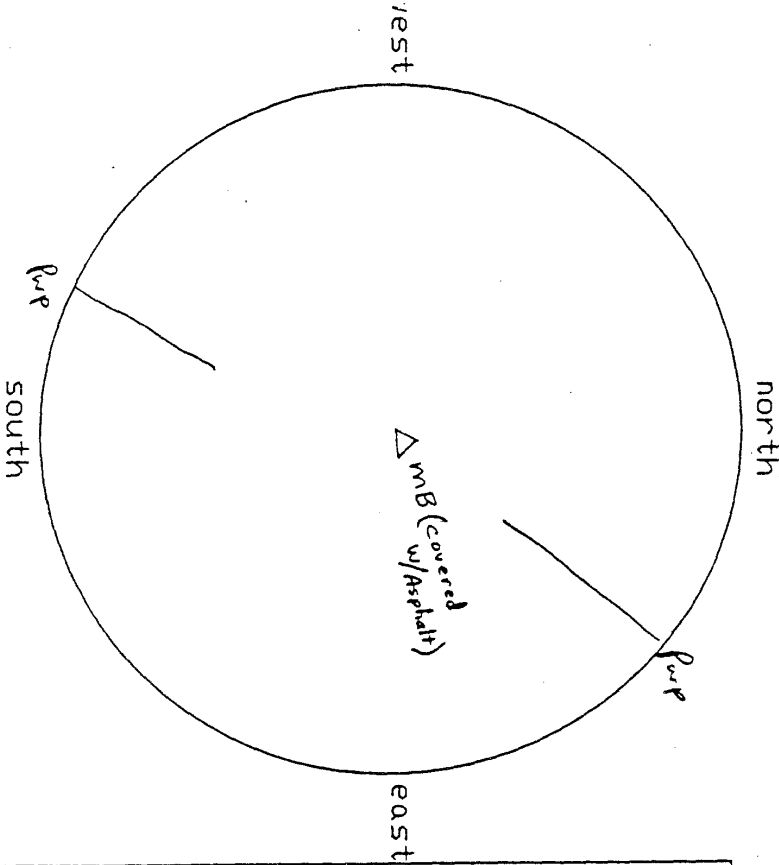
STATION NAME LC25  
 LOCATION 502 301 Area  
 USGS QUAD WADSWORTH RD  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 REFERENCE SKETCH  
 DATE 4/20/09  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER LEZ  
 OBSERVER'S HEIGHT 5 FT 9 IN

FINAL DATA R. RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV \_\_\_\_\_



Station Name: LC26  
 Elevation 255.885 m 839.516 ft  
 Latitude (dms) 41 11 23.39720  
 Longitude (dms) 82 10 7.70740  
 Easting (X) in meters 627783.137  
 Northing (Y) in meters 169194.565  
 Easting (X) in US Survey ft 2059651.842  
 Northing (Y) in US Survey ft 555099.169  
 Easting (X) in international ft 2059655.961  
 Northing (Y) in international ft 555100.279  
 Scale .99994140  
 Convergence (dms) 0 13 3.277  
 Y0 155578.907



STATION NE # 26  
 LOCATION Peck W/ADJ CENTER  
 USGS QUAD AND WEST 121  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

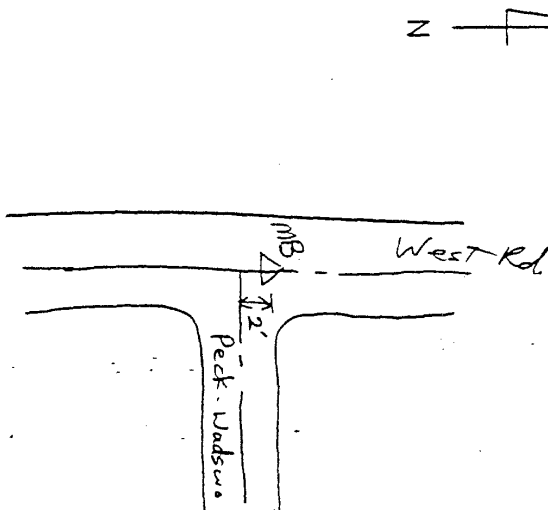
WDLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JK  
 OBSERVER'S HEIGHT 5 FT. 2 IN.

STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_

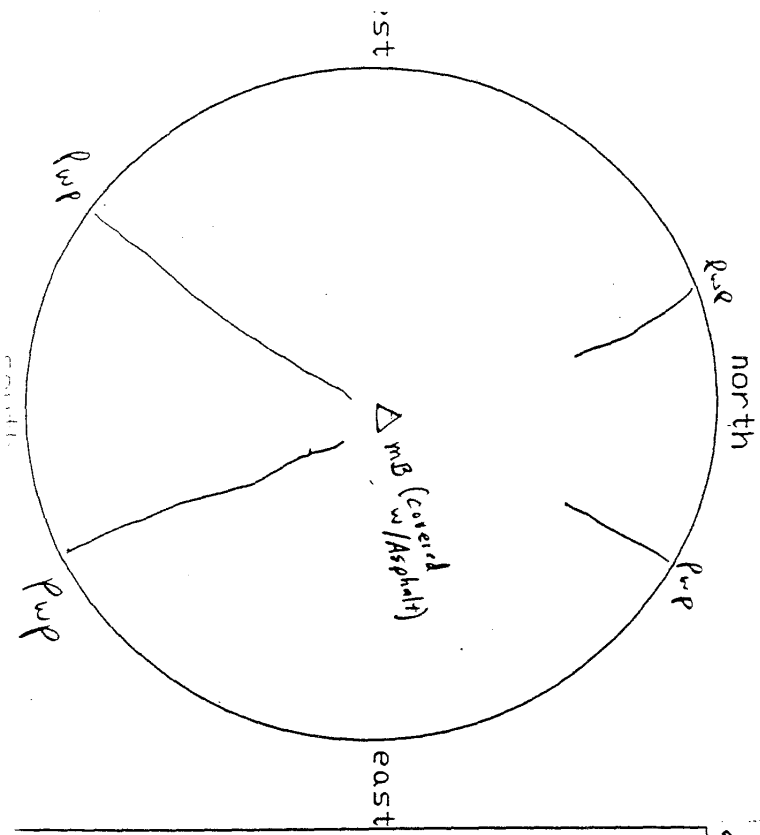
FINAL DATA R RD

Lorain Co., Ohio 30-5/250-02

STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations.)



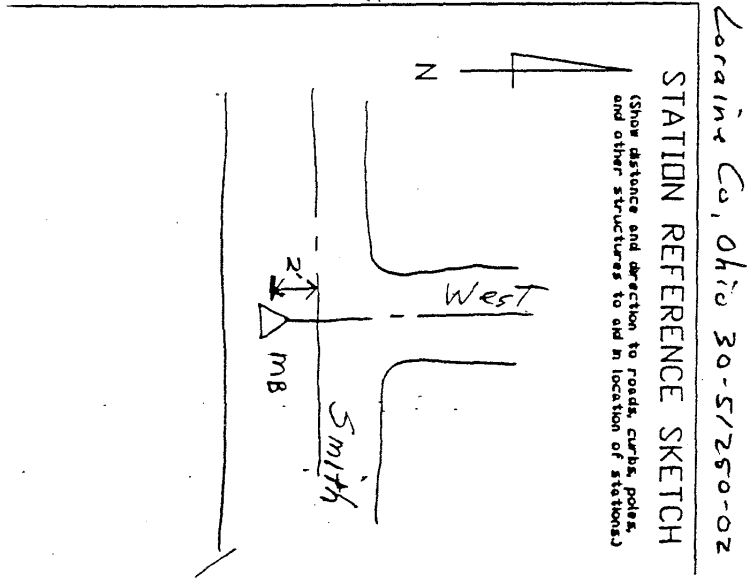
Station Name: LC27  
 Elevation 273.023 m 895.744 ft  
 Latitude (dms) 41 8 13.54580  
 Longitude (dms) 82 10 11.55130  
 Easting (X) in meters 627715.733  
 Northing (Y) in meters 163337.855  
 Easting (X) in US Survey ft 2059430.702  
 Northing (Y) in US Survey ft 535884.278  
 Easting (X) in international ft 2059434.821  
 Northing (Y) in international ft 535885.349  
 Scale .99993987  
 Convergence (dms) 0 13 .752  
 Y0 155578.907



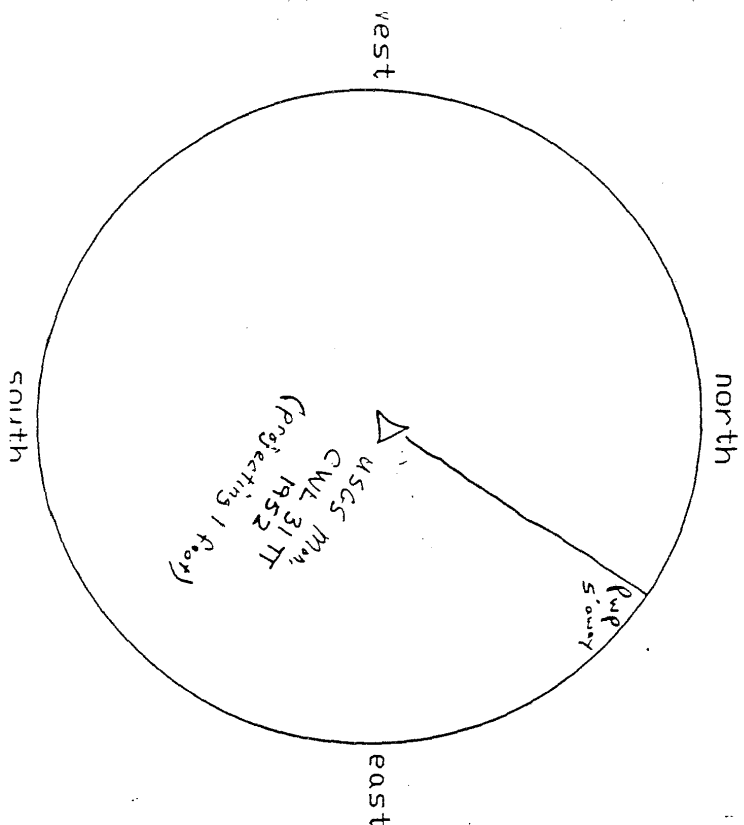
STATION # 217  
 LOCATION West 20  
 USGS QUAD AMP SMITH RD.  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOOLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER J&K  
 OBSERVER'S HEIGHT 5.1 FT. 9. IN.

FINAL DATA Rd  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



Station Name: LC28  
 Elevation 267.046 m 876.133 ft  
 Latitude (dms) 41 8 52.93850  
 Longitude (dms) 82 13 9.86820  
 Easting (X) in meters 623553.323  
 Northing (Y) in meters 164538.444  
 Easting (X) in US Survey ft 2045774.527  
 Northing (Y) in US Survey ft 539823.211  
 Easting (X) in international ft 2045778.619  
 Northing (Y) in international ft 539824.290  
 Scale .99994012  
 Convergence (dms) 0 11 3.606  
 Y0 155578.907

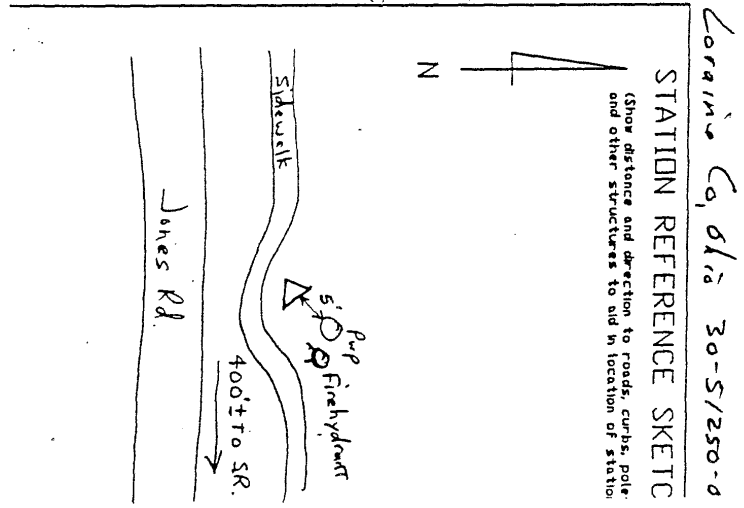


STATION NE # 28  
 LOCATION Jones Rd, 400' West of SR 58  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_

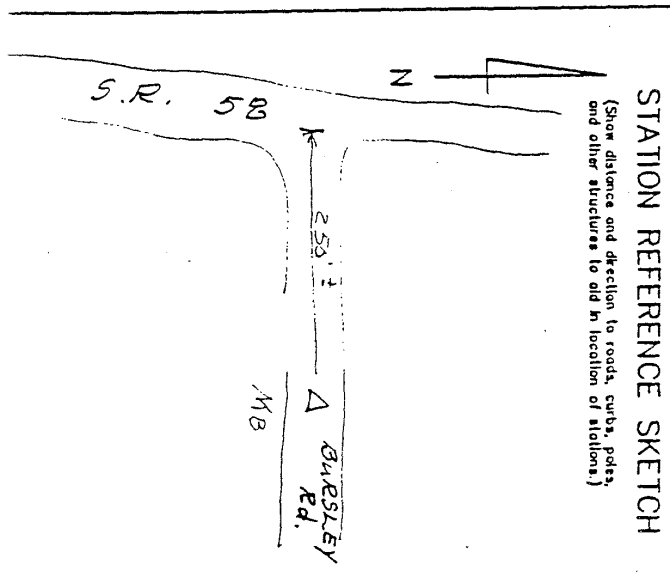
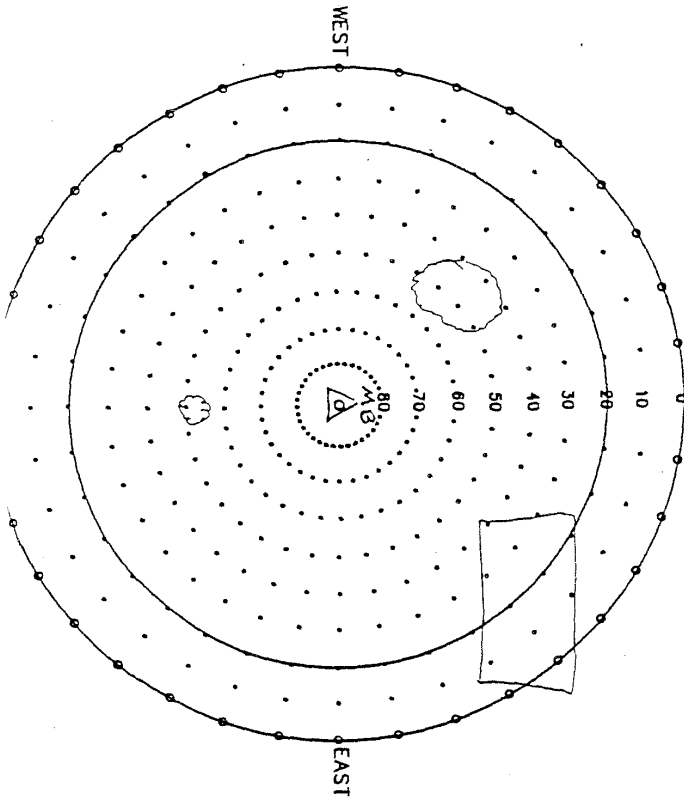
NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER TEK  
 OBSERVER'S HEIGHT 5 FT 9 IN

FINAL DATA (JRD)  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV \_\_\_\_\_



Station Name: LC29  
 Elevation 282.996 m 928.464 ft  
 Latitude (dms) 41 6 58.77670  
 Longitude (dms) 82 13 6.74390  
 Easting (X) in meters 623637.537  
 Northing (Y) in meters 161017.129  
 Easting (X) in US Survey ft 2046050.819  
 Northing (Y) in US Survey ft 528270.366  
 Easting (X) in international ft 2046054.912  
 Northing (Y) in international ft 528271.422  
 Scale .99993950  
 Convergence (dms) 0 11 5.659  
 Y0 155578.907



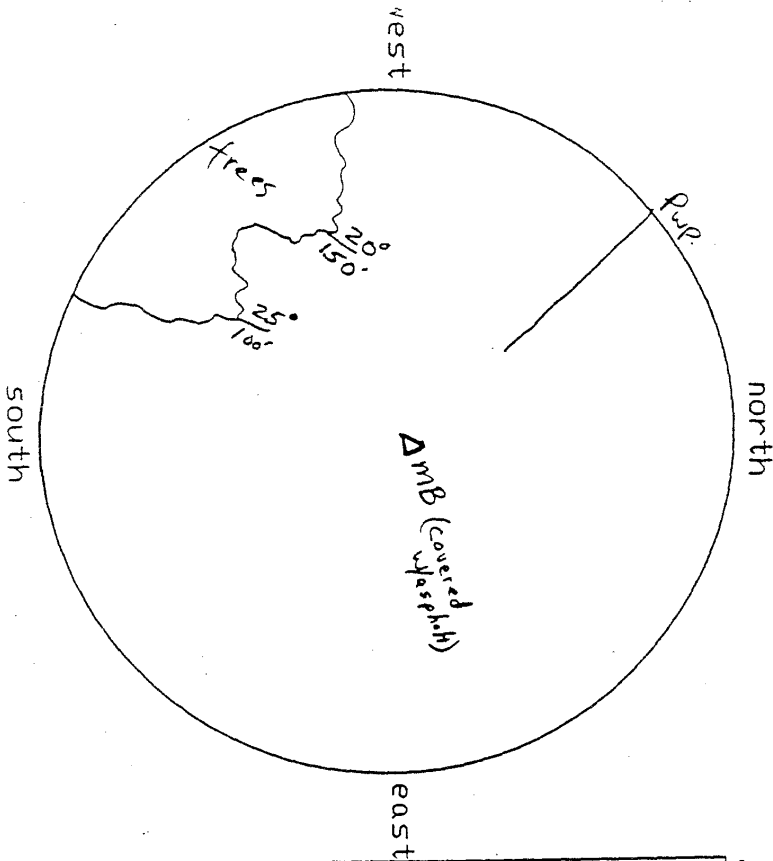
**STATION REFERENCE SKETCH**  
 (Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations.)

PROJECT LORAIN Co.  
 ORDER# 30-51250-02  
 STATION NAME LC29  
 LOCATION 2046050.819 528270.366  
 COMMENTS \_\_\_\_\_

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 DATE 5-28-89  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN.

USGS QUAD \_\_\_\_\_ LONG. \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_

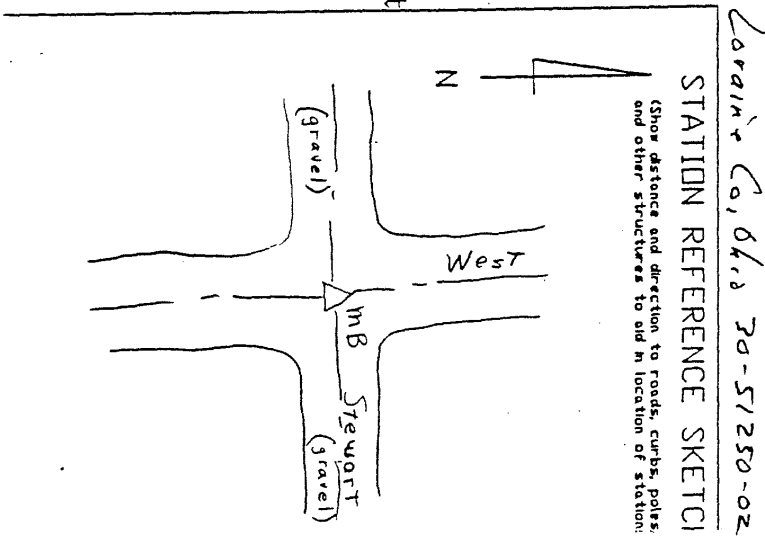
Station Name: LC30  
 Elevation 309.300 m 1014.762 ft  
 Latitude (dms) 41 5 3.76210  
 Longitude (dms) 82 10 52.02890  
 Easting (X) in meters 626793.167  
 Northing(Y) in meters 157480.117  
 Easting (X) in US Survey ft 2056403.915  
 Northing(Y) in US Survey ft 516666.017  
 Easting (X) in international ft 2056408.028  
 Northing(Y) in international ft 516667.050  
 Scale .99993918  
 Convergence (dms) 0 12 34.160  
 YO 155578.907



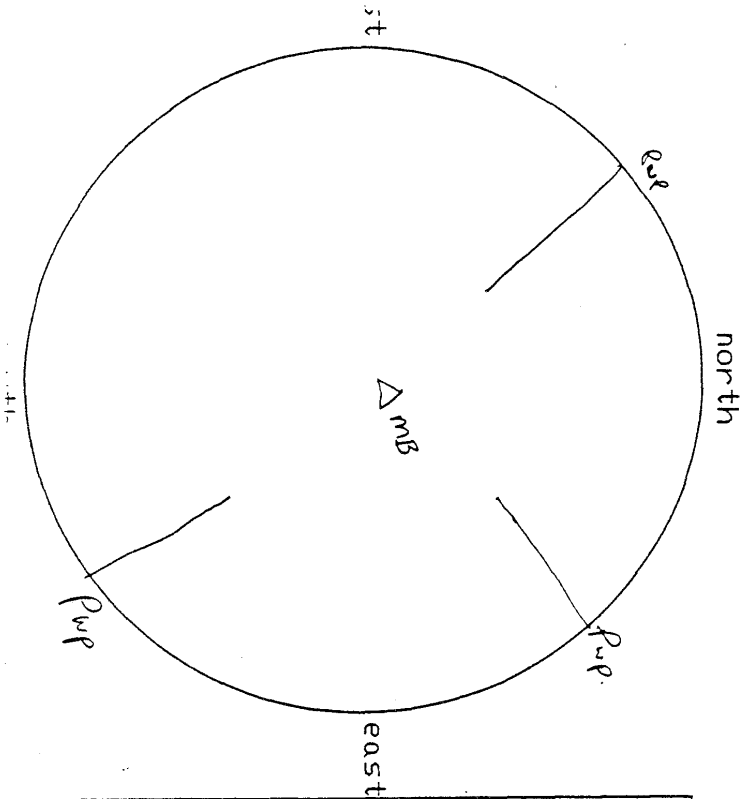
STATION # 30  
 LOCATION STEWART RD.  
 USGS QUAD quad West 84  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JER  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA WORD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV \_\_\_\_\_



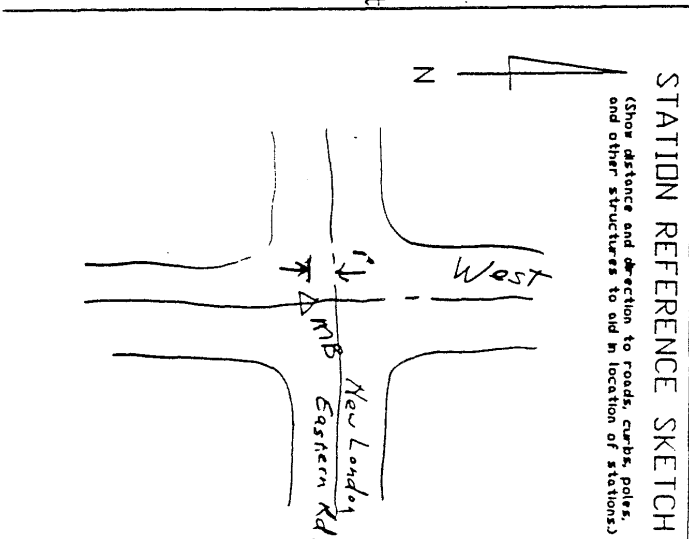
Station Name: LC31  
 Elevation 321.667 m 1055.337 ft  
 Latitude (dms) 41 4 11.84970  
 Longitude (dms) 82 10 53.07190  
 Easting (X) in meters 626774.673  
 Northing(Y) in meters 155878.705  
 Easting (X) in US Survey ft 2056343.241  
 Northing(Y) in US Survey ft 511412.051  
 Easting (X) in international ft 2056347.354  
 Northing(Y) in international ft 511413.074  
 Scale .99993914  
 Convergence (dms) 0 12 33.475  
 YO 155578.907



STATION ME  
 LOCATION West Rd and New London Eastern Rd  
 AT \_\_\_\_\_  
 ISGS QUAD \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 IES: show the distance to the nearest edge of all obstructions reading 20'.

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/09  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JER  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA JRD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations)

Lorain Co, Ohio 30-51250-02



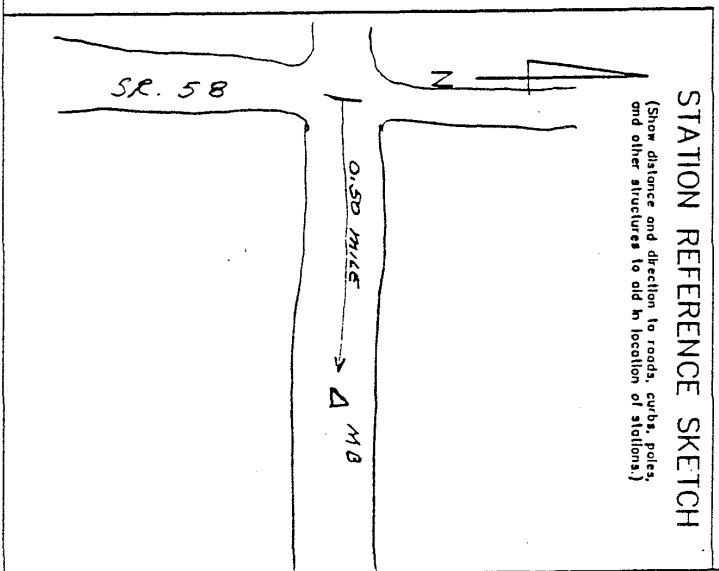
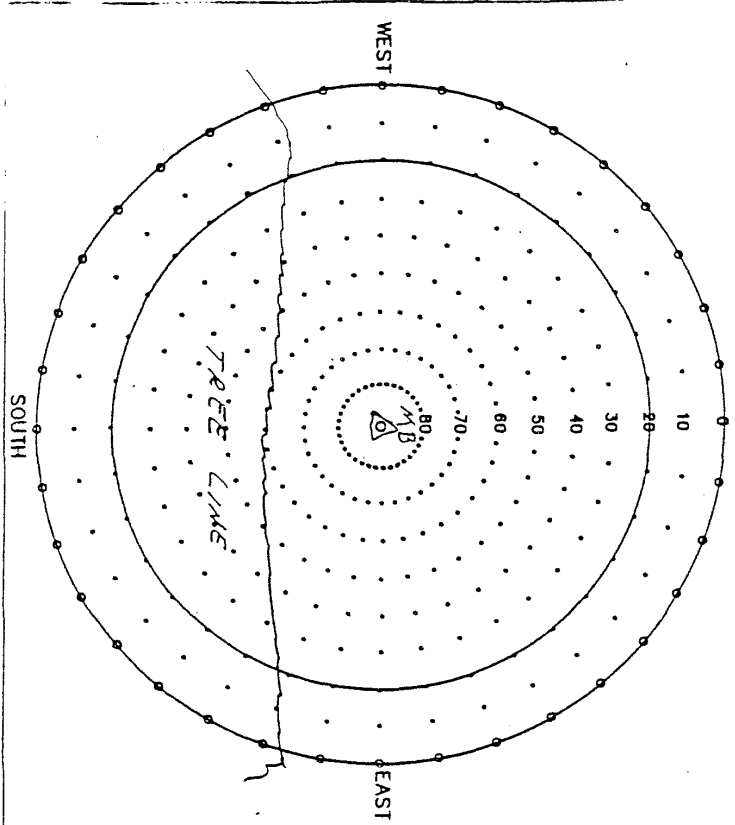
Station Name: LC32  
 Elevation 327.446 m 1074.296 ft  
 Latitude (dms) 41 4 13.06000  
 Longitude (dms) 82 12 35.93810  
 Easting (X) in meters 624373.180  
 Northing (Y) in meters 155907.660  
 Easting (X) in US Survey ft 2048464.341  
 Northing (Y) in US Survey ft 511507.047  
 Easting (X) in international ft 2048468.438  
 Northing (Y) in international ft 511508.070  
 Scale .99993914  
 Convergence (dms) 0 11 25.897  
 Y0 155578.907

PROJECT LOBAIN Co  
 ORDER # 30-51250-02  
 STATION NAME # 32  
 LOCATION NEAR LAZYDAD ESTATE RD  
0.50 MI EAST OF SR 58  
 COMMENTS \_\_\_\_\_

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 DATE 5-24-87  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN. ELEV. \_\_\_\_\_

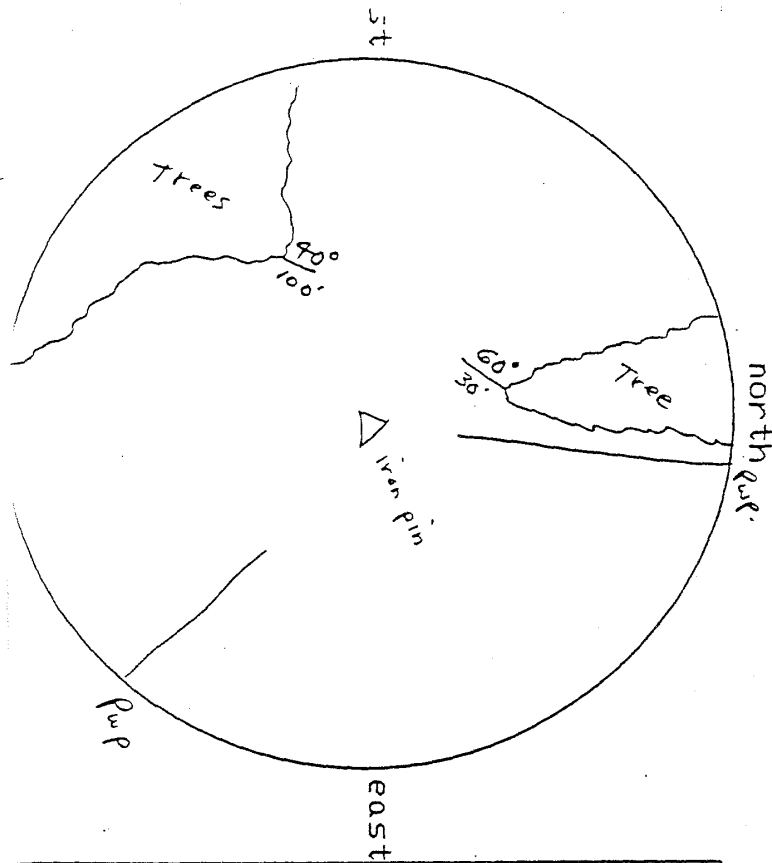
USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_ LONG. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_

NOTE: Show the distance to the nearest edge of all  
 obstructions exceeding 20'



STATION REFERENCE SKETCH

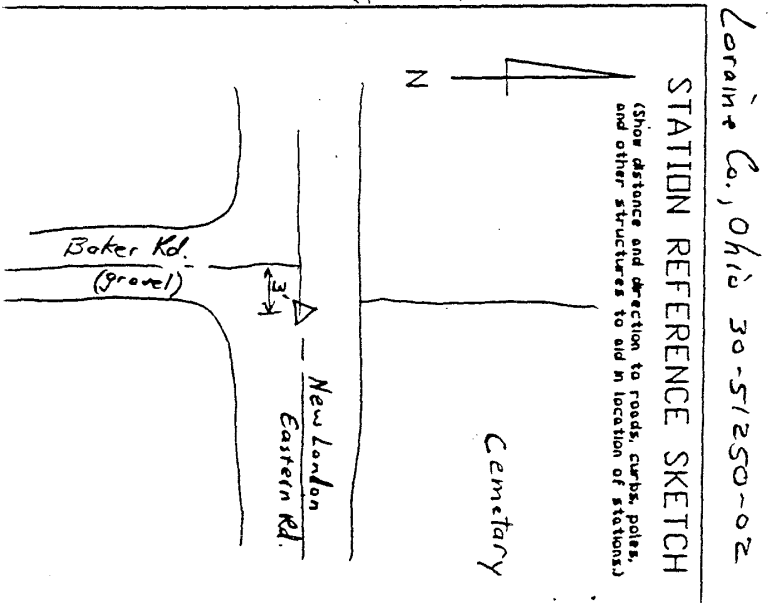
Station Name: LC33  
 Elevation 317.413 m 1041.378 ft  
 Latitude (dms) 41 4 15.81800  
 Longitude (dms) 82 15 28.73740  
 Easting (X) in meters 620339.029  
 Northing (Y) in meters 155980.431  
 Easting (X) in US Survey ft 2035228.965  
 Northing (Y) in US Survey ft 511745.797  
 Easting (X) in international ft 2035233.035  
 Northing (Y) in international ft 511746.821  
 Scale .99993914  
 Convergence (dms) 0 9 32.376  
 Y0 155578.907



STATION # 33  
 LOCATION New London Eastern  
 and Baker Rd.  
 USGS QUAD  
 LAT  
 LONG  
 NOTES: show the distance to the  
 nearest edge of all obstructions  
 exceeding 20'.

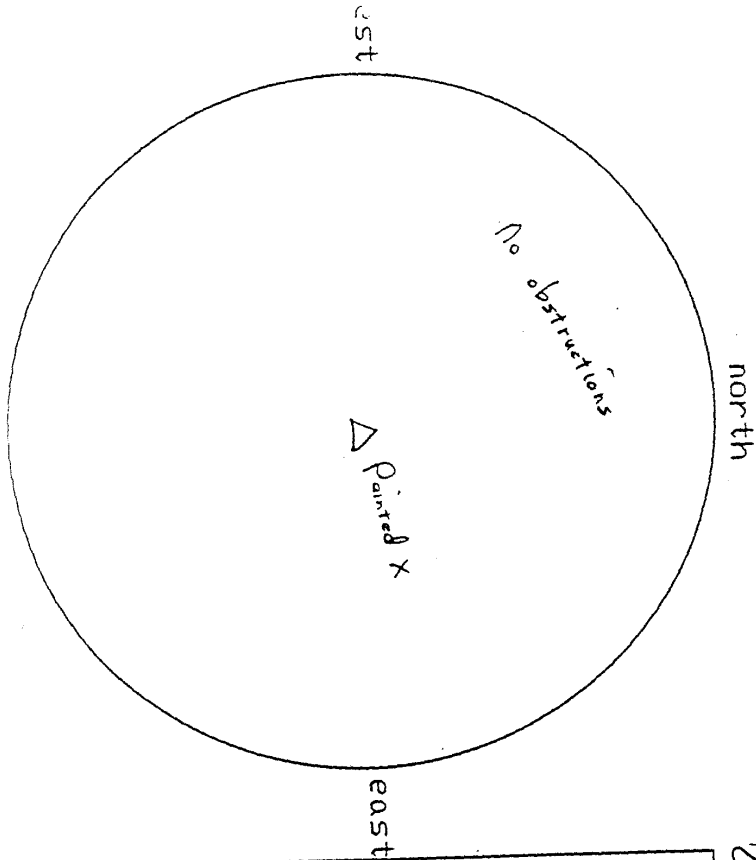
WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE \_\_\_\_\_  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER \_\_\_\_\_  
 OBSERVER'S HEIGHT \_\_\_ FT. \_\_\_ IN.

FINAL DATA RECORD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



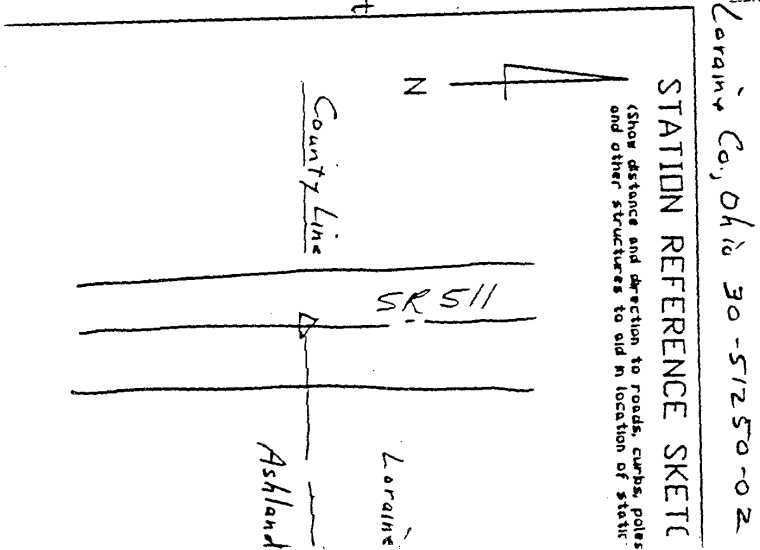
Station Name: LC34  
 Elevation 319.680 m 1048.816 ft  
 Latitude (dms) 41 3 56.88350  
 Longitude (dms) 82 18 15.04710  
 Easting (X) in meters 616457.962  
 Northing (Y) in meters 155386.619  
 Easting (X) in US Survey ft 2022495.829  
 Northing (Y) in US Survey ft 509797.598  
 Easting (X) in international ft 2022499.874  
 Northing (Y) in international ft 509798.617  
 Scale .999993914  
 Convergence (dms) 0 7 43.119  
 Y0 155578.907

STATION # 34  
 LOCATION SR 511 @ Loraine Co, Ind  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

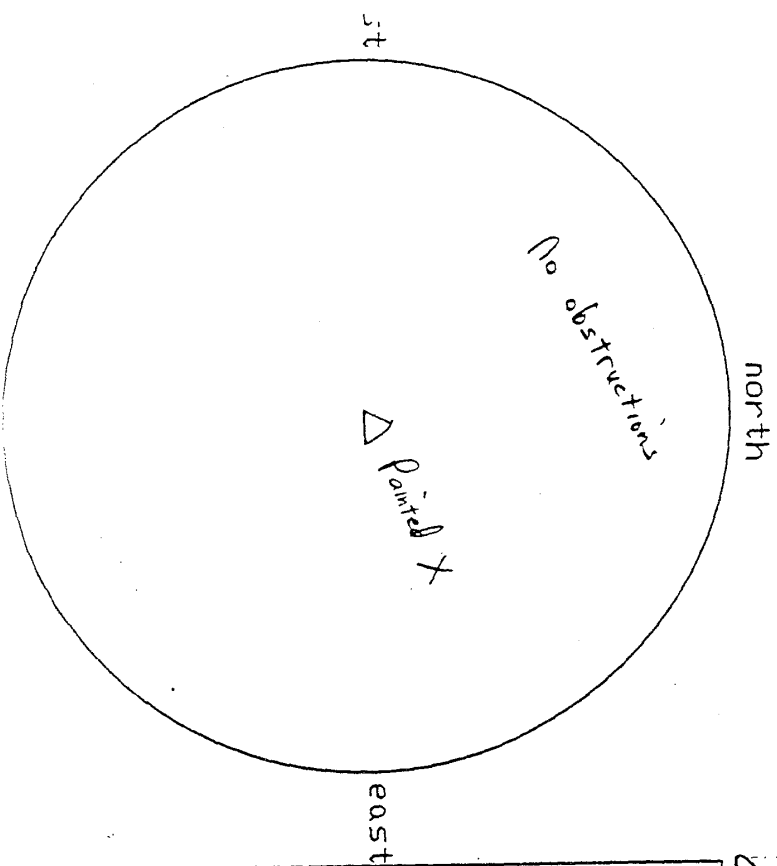


WOOLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/09  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JET  
 OBSERVER'S HEIGHT 5 FT, 9 IN.

FINAL DATA RECORD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



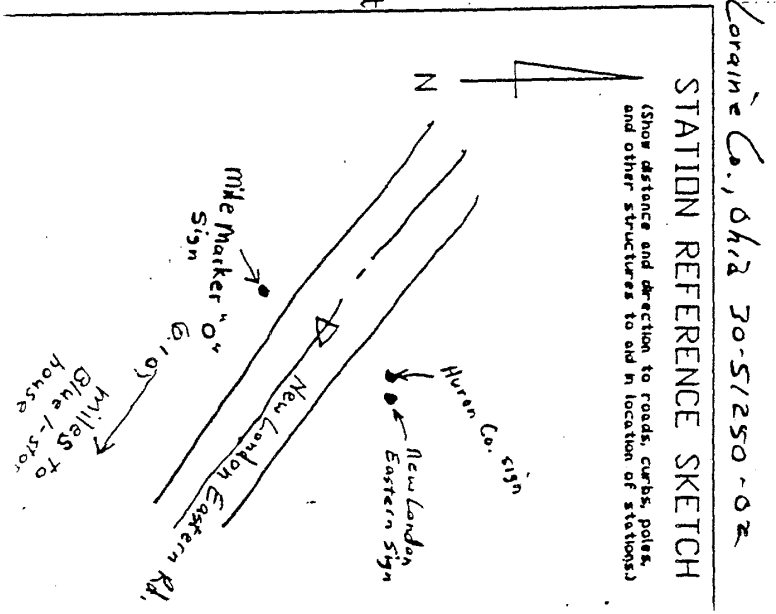
Station Name: LC35  
 Elevation 310.319 m 1018.105 ft  
 Latitude (dms) 41 4 37.89280  
 Longitude (dms) 82 20 13.55630  
 Easting (X) in meters 613688.865  
 Northing (Y) in meters 156645.933  
 Easting (X) in US Survey ft 2013410.883  
 Northing (Y) in US Survey ft 513929.198  
 Easting (X) in international ft 2013414.910  
 Northing (Y) in international ft 513930.225  
 Scale .99993915  
 Convergence (dms) 0 6 25.264  
 Y0 155578.907



STATION LOCATION E 35  
New London Eastern  
USGS QUAD @ Lorain & Huron Co. Line  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

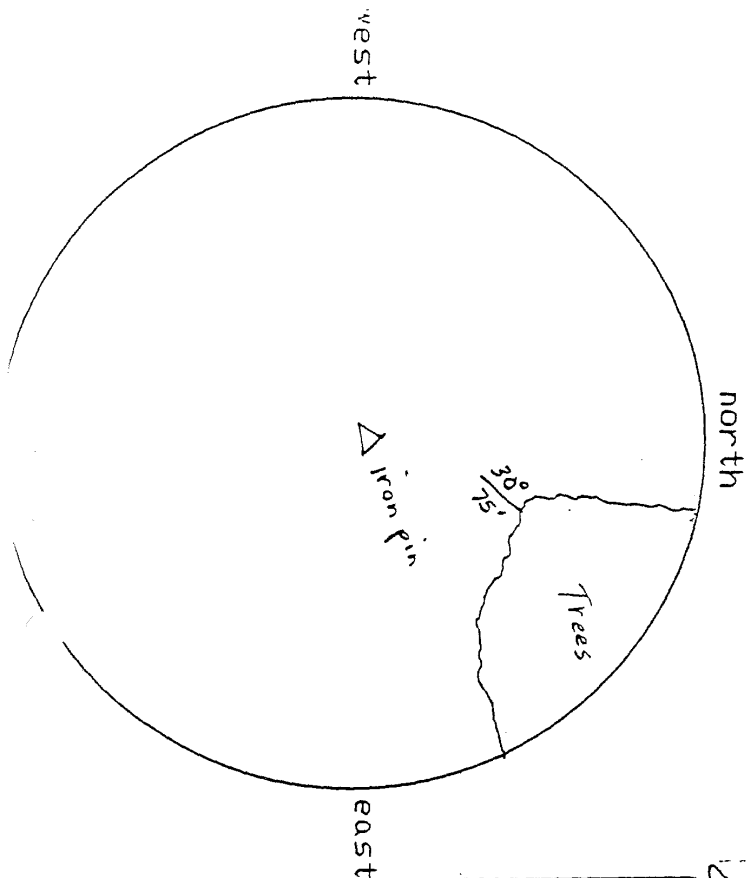
WOOLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA R.D.  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



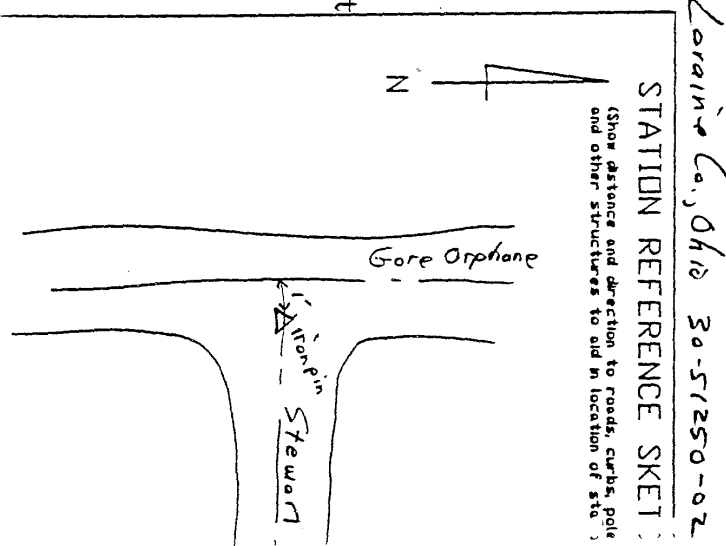
Station Name: LC36  
 Elevation 303.986 m 997.326 ft  
 Latitude (dms) 41 5 10.15760  
 Longitude (dms) 82 19 40.07260  
 Easting (X) in meters 614468.480  
 Northing(Y) in meters 157642.700  
 Easting (X) in US Survey ft 2015968.673  
 Northing(Y) in US Survey ft 517199.426  
 Easting (X) in international ft 2015972.705  
 Northing(Y) in international ft 517200.461  
 Scale .99993919  
 Convergence (dms) 0 6 47.261  
 YO 155578.907

STATION # 36  
 LOCATION ME  
 USGS QUAD Gore Orphanage Rd and Stewart Rd  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

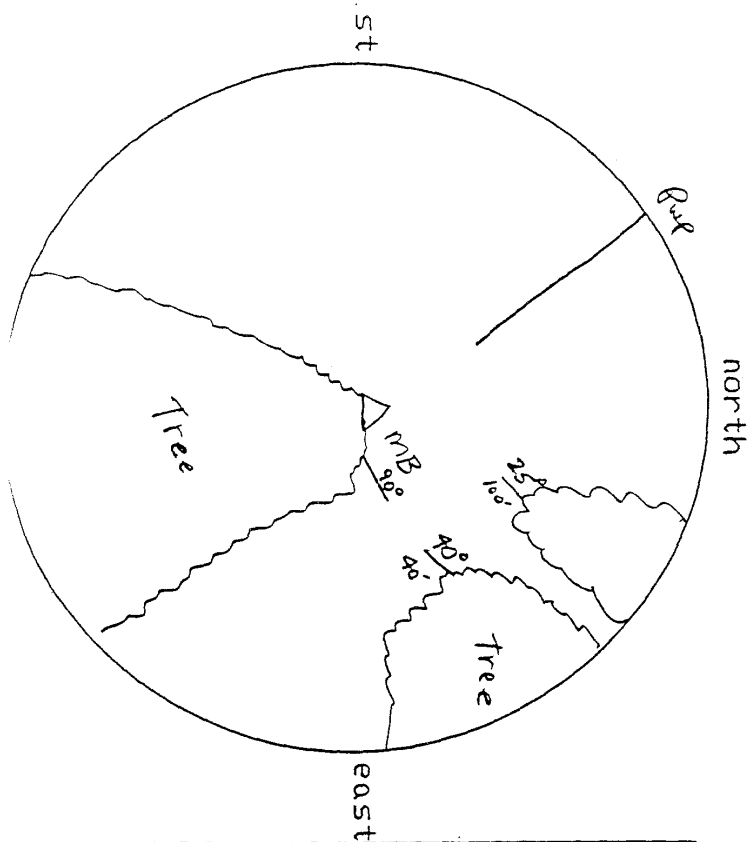


WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/07  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT 9 IN

FINAL DATA (DRD)  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV \_\_\_\_\_



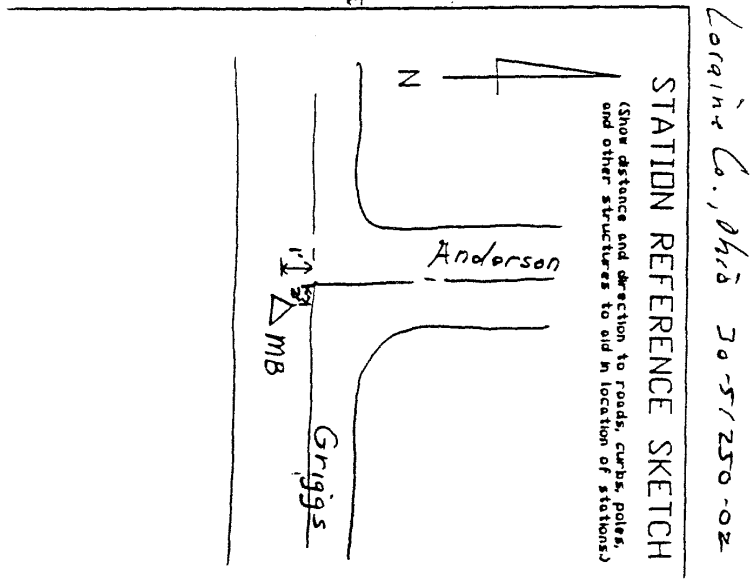
Station Name: LC37  
 Elevation 282.334 m 926.291 ft  
 Latitude (dms) 41 7 45.08640  
 Longitude (dms) 82 17 27.66030  
 Easting (X) in meters 617547.393  
 Northing (Y) in meters 162428.531  
 Easting (X) in US Survey ft 2026070.072  
 Northing (Y) in US Survey ft 532900.940  
 Easting (X) in international ft 2026074.124  
 Northing (Y) in international ft 532902.006  
 Scale .99993971  
 Convergence (dms) 0 8 14.250  
 Y0 155578.907



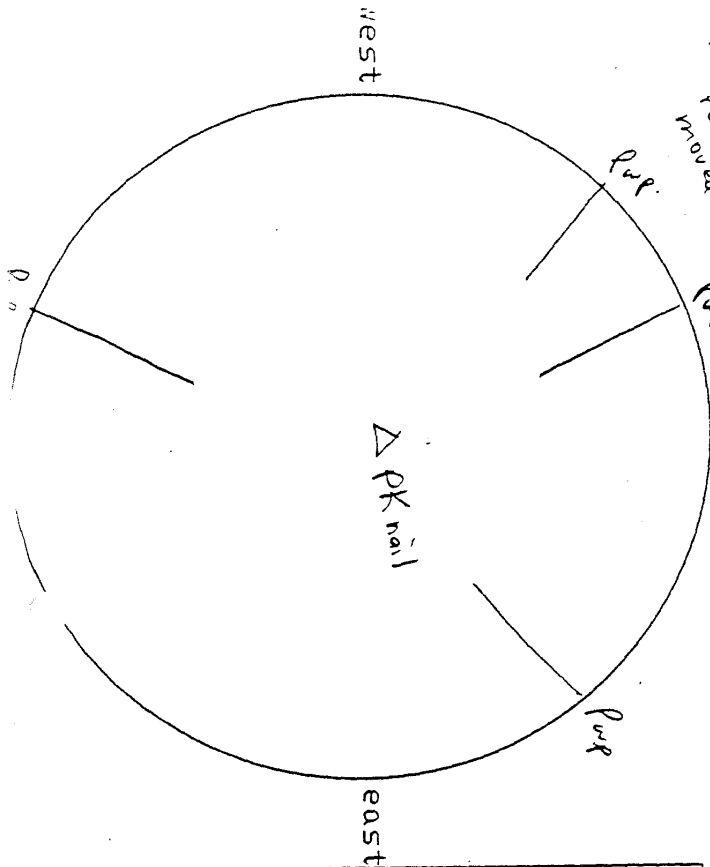
STATION ME 37  
 LOCATION Griggs Rd and Anderson Rd  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JGR  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA WORD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



Station Name: LC38  
 Elevation 278.631 m 914.141 ft  
 Latitude (dms) 41 11 7.41100  
 Longitude (dms) 82 20 2.83190  
 Easting (X) in meters 613916.342  
 Northing (Y) in meters 168661.913  
 Easting (X) in US Survey ft 2014157.198  
 Northing (Y) in US Survey ft 553351.625  
 Easting (X) in international ft 2014161.226  
 Northing (Y) in international ft 553352.732  
 Scale .99994124  
 Convergence (dms) 0 6 32.310  
 Y0 155578.907

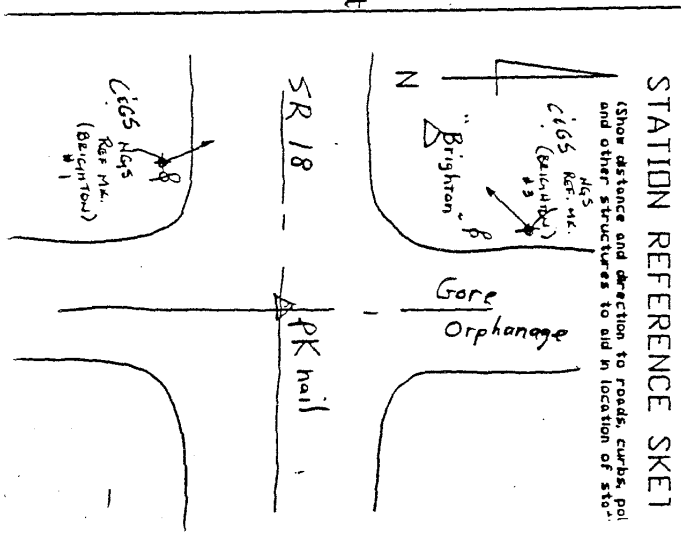


STATION LOCATION ME 38 SR 18 and Gare Orphanage Rd  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_

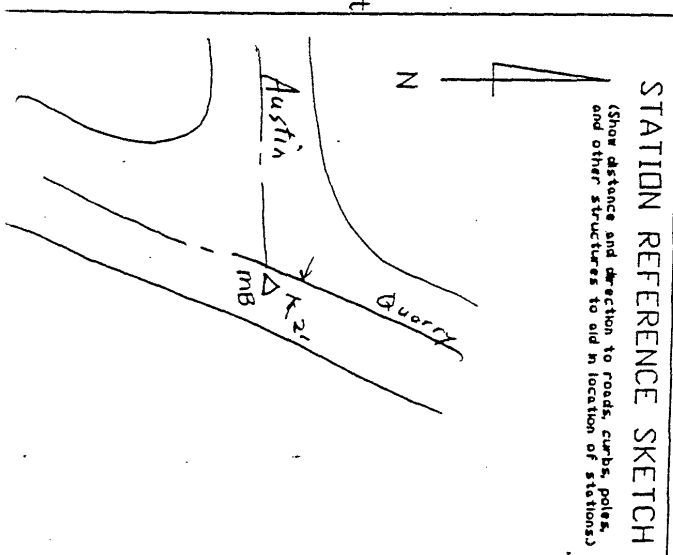
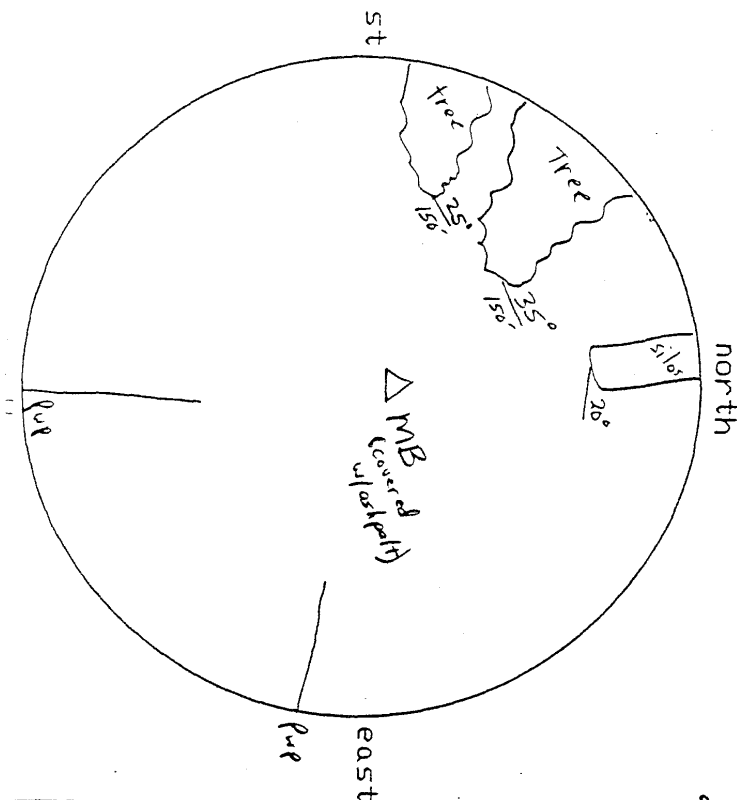
NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.  
 Note: If Brighton CIGS monument is recovered, this GPS point may be moved to Gare Orphanage & Peck w/ds north.

WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA JRD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



Station Name: LC39  
 Elevation 262.408 m 860.918 ft  
 Latitude (dms) 41 12 16.75440  
 Longitude (dms) 82 15 55.41570  
 Easting (X) in meters 619676.337  
 Northing(Y) in meters 170814.217  
 Easting (X) in US Survey ft 2033054.781  
 Northing(Y) in US Survey ft 560412.978  
 Easting (X) in international ft 2033058.847  
 Northing(Y) in international ft 560414.099  
 Scale .99994199  
 Convergence (dms) 0 9 14.850  
 Y0 155578.907



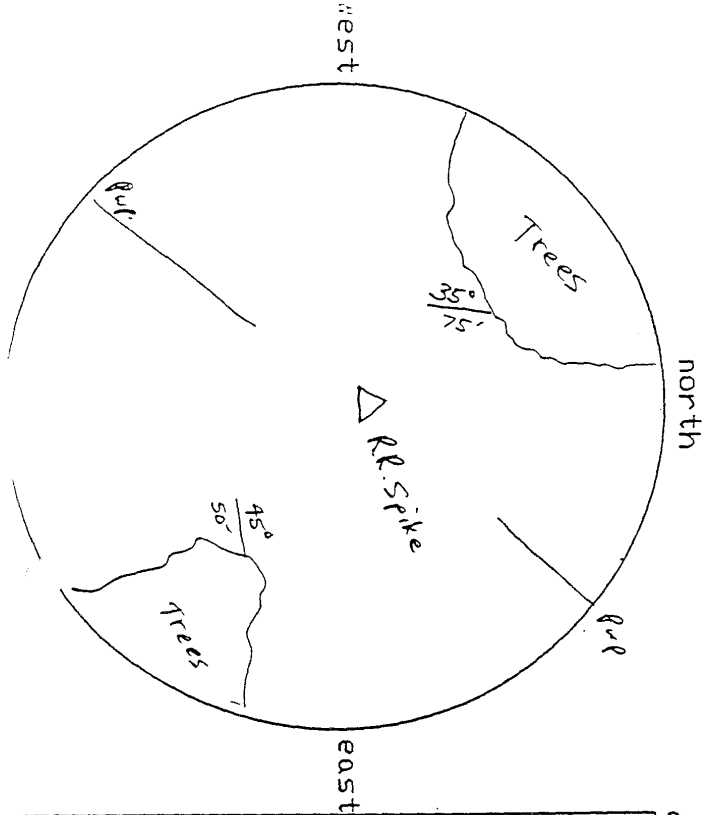
STATION LOCATION ME 32  
 USGS QUAD Quarry Rd. and Austin Rd.  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 DTEs: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT CONSULTANTS  
 GPS STATION VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JER  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA CARD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



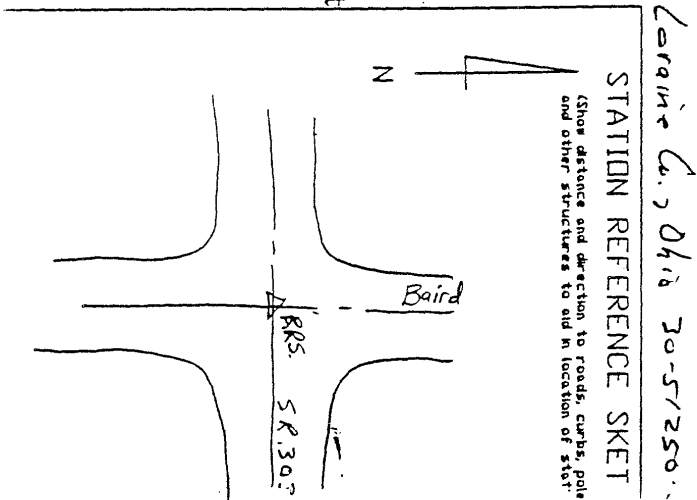
Station Name: LC40  
 Elevation 260.505 m 854.672 ft  
 Latitude (dms) 41 14 15.45280  
 Longitude (dms) 82 19 14.51850  
 Easting (X) in meters 615030.305  
 Northing (Y) in meters 174464.779  
 Easting (X) in US Survey ft 2017811.927  
 Northing (Y) in US Survey ft 572389.862  
 Easting (X) in international ft 2017815.962  
 Northing (Y) in international ft 572391.007  
 Scale .99994353  
 Convergence (dms) 0 7 4.049  
 Y0 155578.907



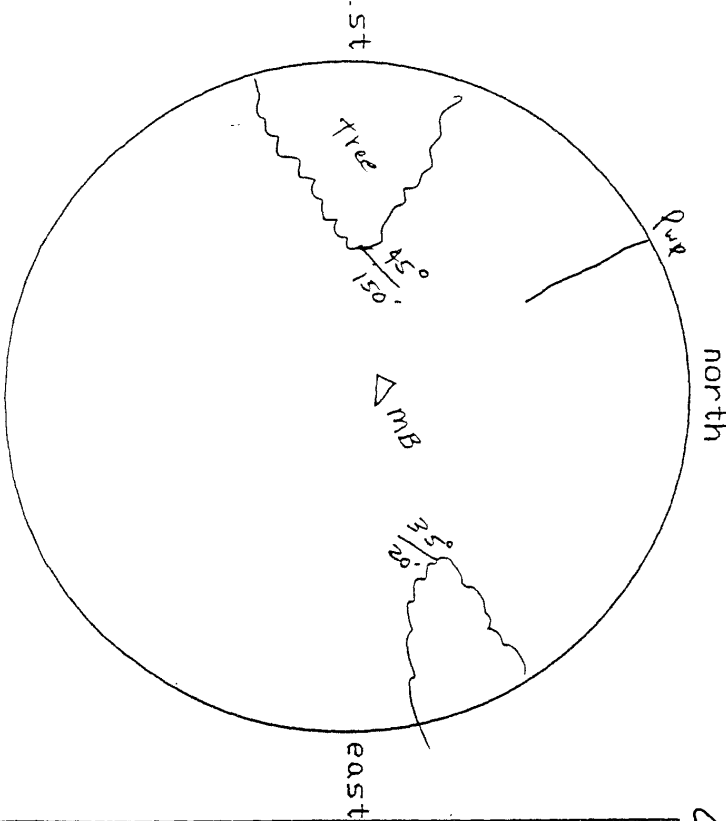
STATION NAME LC40  
 LOCATION SR 303 Baird Rd  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WDLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JLR  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA: JRD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



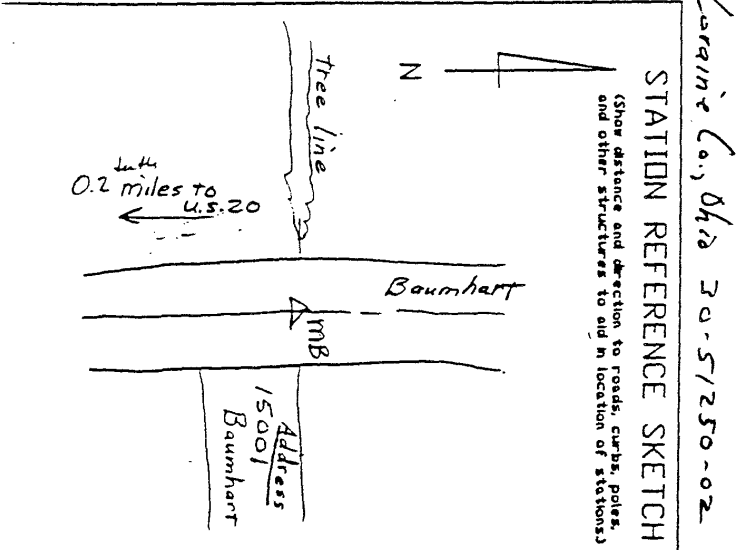
Station Name: LC41  
 Elevation 259.218 m 850.451 ft  
 Latitude (dms) 41 15 49.99940  
 Longitude (dms) 82 16 27.66270  
 Easting (X) in meters 618908.058  
 Northing (Y) in meters 177390.356  
 Easting (X) in US Survey ft 2030534.188  
 Northing (Y) in US Survey ft 581988.194  
 Easting (X) in international ft 2030538.249  
 Northing (Y) in international ft 581989.358  
 Scale .99994499  
 Convergence (dms) 0 8 53.665  
 Y0 155578.907



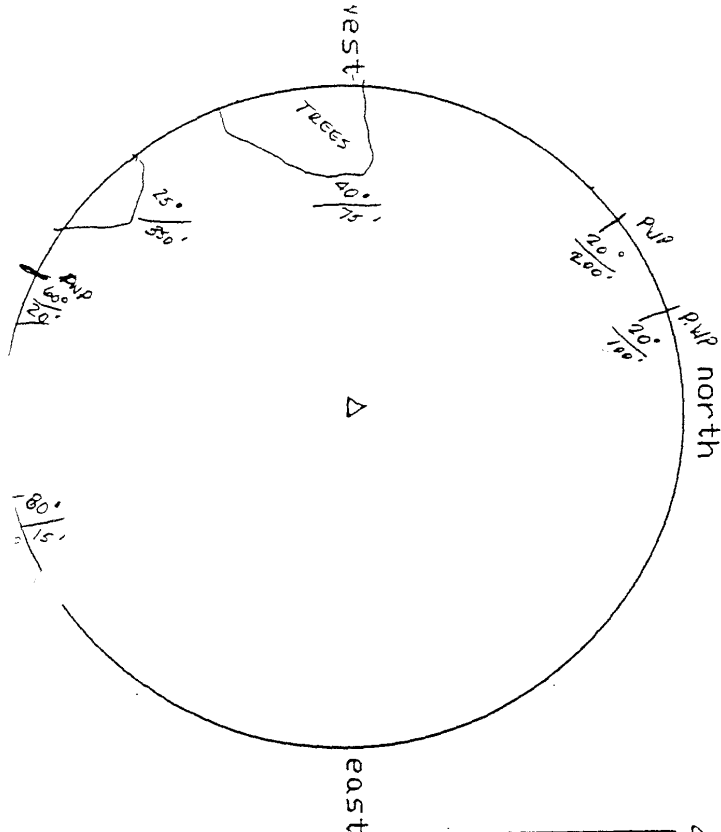
STATION ME 41  
 LOCATION Baumhart North of U.S. 20  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/20/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT. 9 IN.

FINAL DATA JORD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



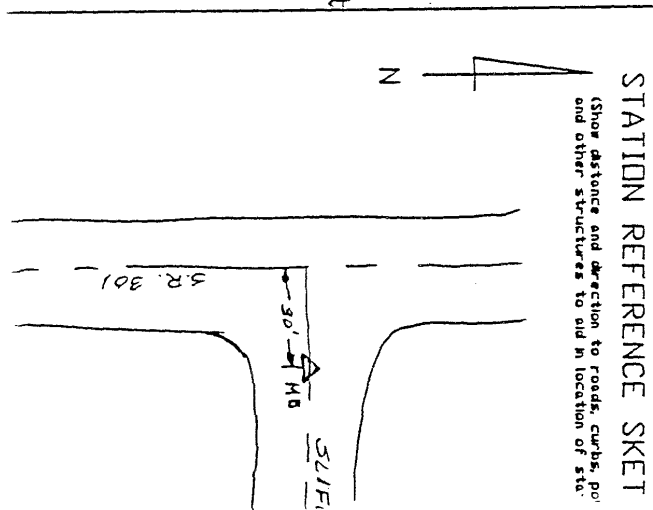
Station Name: LC42  
 Elevation 236.018 m 774.337 ft  
 Latitude (dms) 41 18 1.01730  
 Longitude (dms) 82 7 3.92680  
 Easting (X) in meters 632011.861  
 Northing (Y) in meters 181477.708  
 Easting (X) in US Survey ft 2073525.580  
 Northing (Y) in US Survey ft 595398.114  
 Easting (X) in international ft 2073529.727  
 Northing (Y) in international ft 595399.304  
 Scale .999994736  
 Convergence (dms) 0 15 4.012  
 Y0 155578.907



STATION ME #42  
 LOCATION U.S. 301  
 USGS QUAD  
 LAT  
 LONG  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

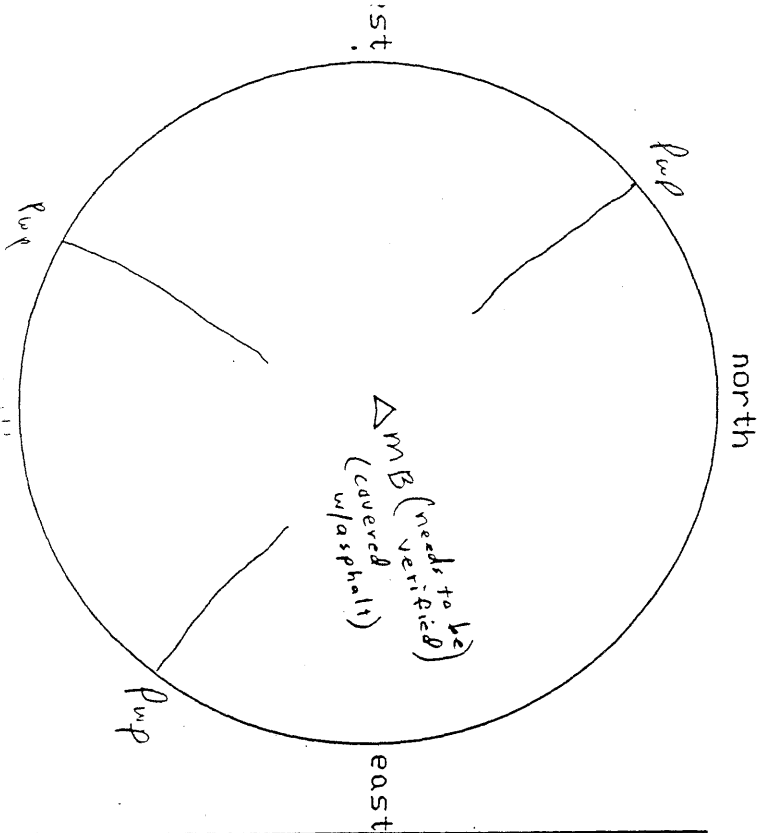
WOOLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/21/89  
 MAP SCALE  
 MAP SHEET  
 OBSERVER MJS  
 OBSERVER'S HEIGHT 5 FT. 10 IN.

FINAL DATA, JRD  
 STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV.



Lorraine Co., Okla 70-51250-0  
 STATION REFERENCE SKET  
 (Show distance and direction to roads, curbs, poles and other structures to aid in location of Sta.)

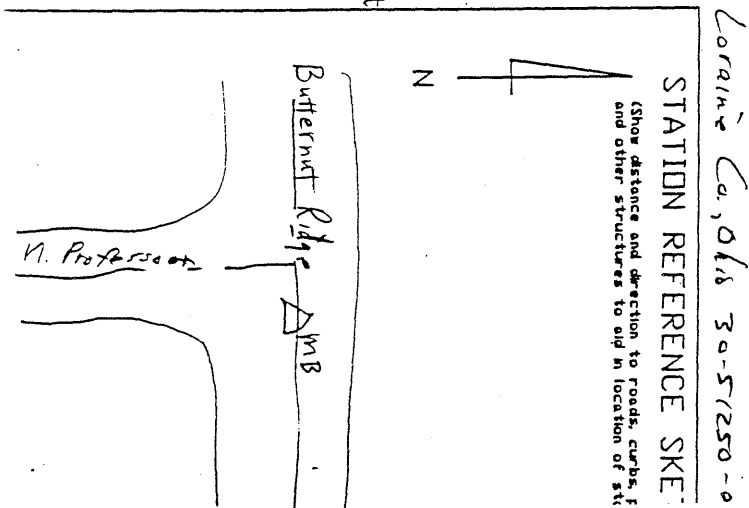
Station Name: LC43  
 Elevation 245.377 m 805.041 ft  
 Latitude (dms) 41 18 32.06180  
 Longitude (dms) 82 13 10.16610  
 Easting (X) in meters 623488.919  
 Northing(Y) in meters 182403.002  
 Easting (X) in US Survey ft 2045563.227  
 Northing(Y) in US Survey ft 598433.850  
 Easting (X) in international ft 2045567.318  
 Northing(Y) in international ft 598435.047  
 Scale .99994798  
 Convergence (dms) 0 11 3.411  
 Y0 155578.907



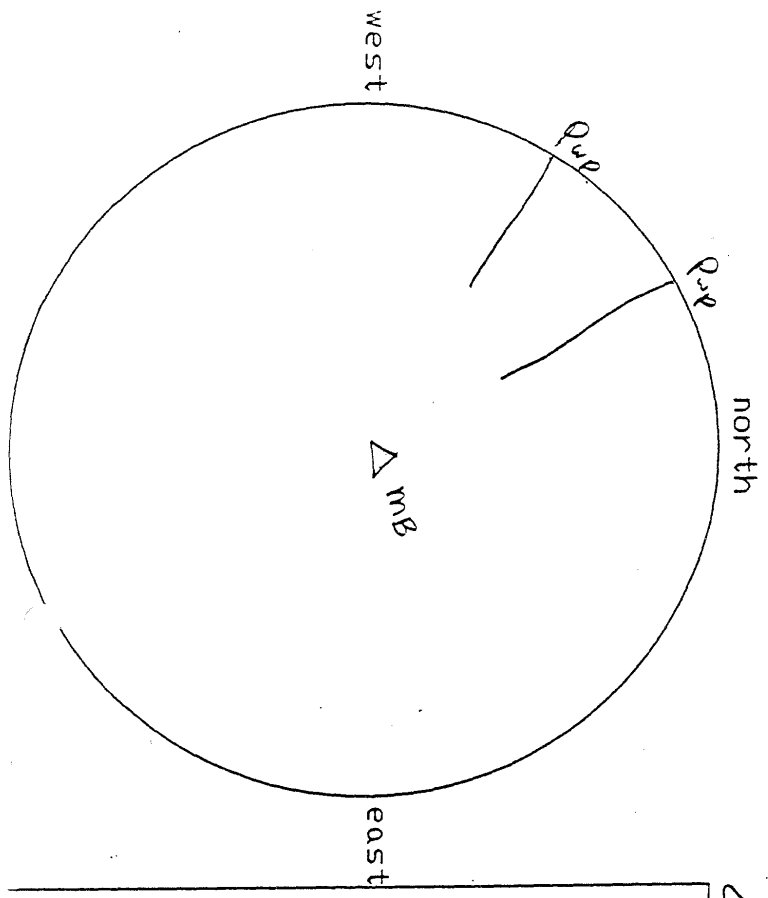
STATION NAME # 43  
 LOCATION V. Professor and Butternut Ridge  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4-21-87  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JER  
 OBSERVER'S HEIGHT \_\_\_\_\_ FT. \_\_\_\_\_ IN.

FINAL DATA JRD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



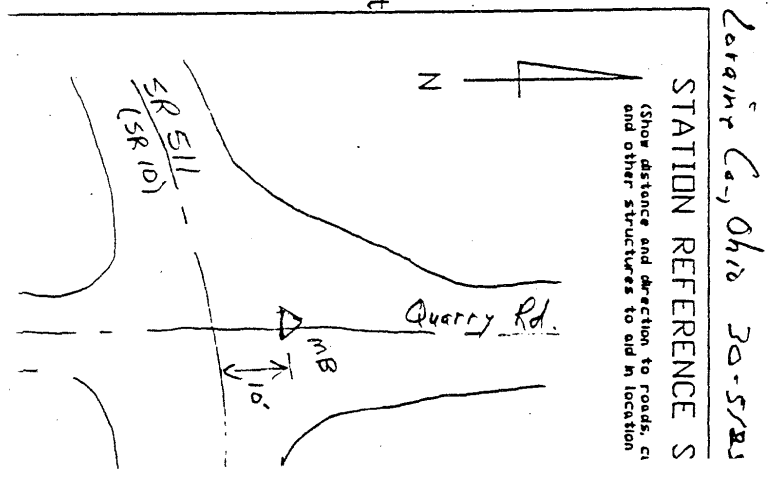
Station Name: LC44  
 Elevation 250.967 m 823.382 ft  
 Latitude (dms) 41 17 40.03220  
 Longitude (dms) 82 15 30.82280  
 Easting (X) in meters 620221.671  
 Northing (Y) in meters 180788.193  
 Easting (X) in US Survey ft 2034843.931  
 Northing (Y) in US Survey ft 593135.931  
 Easting (X) in international ft 2034848.001  
 Northing (Y) in international ft 593137.117  
 Scale .99994695  
 Convergence (dms) 0 9 31.006  
 Y0 155578.907



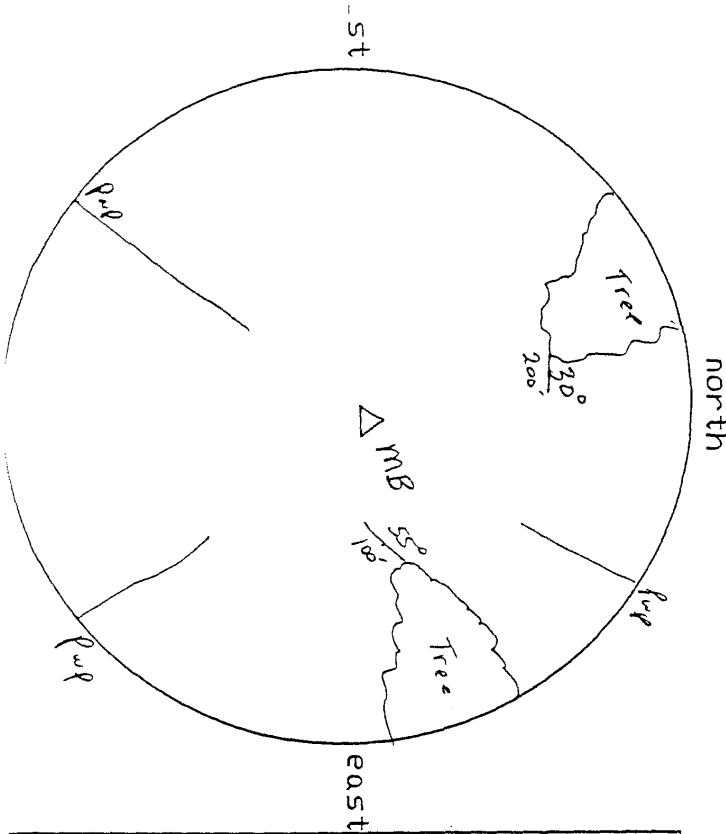
STATION NAME LC44  
 LOCATION SR 511 (SR 10) and Quarry Rd  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOOLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4-21-89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT 2 IN

FINAL DATA  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV \_\_\_\_\_



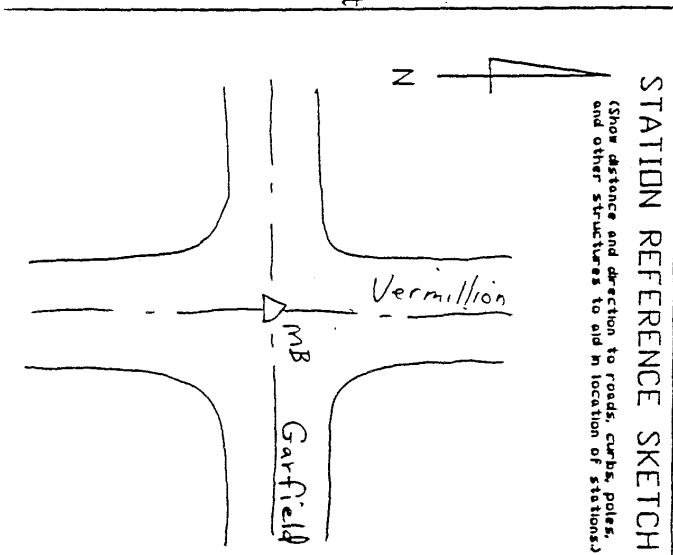
Station Name: LC45  
 Elevation 250.495 m 821.833 ft  
 Latitude (dms) 41 18 51.78810  
 Longitude (dms) 82 18 2.40570  
 Easting (X) in meters 616689.996  
 Northing (Y) in meters 182992.826  
 Easting (X) in US Survey ft 2023257.096  
 Northing (Y) in US Survey ft 600368.962  
 Easting (X) in international ft 2023261.143  
 Northing (Y) in international ft 600370.163  
 Scale .99994838  
 Convergence (dms) 0 7 51.424  
 YO 155578.907



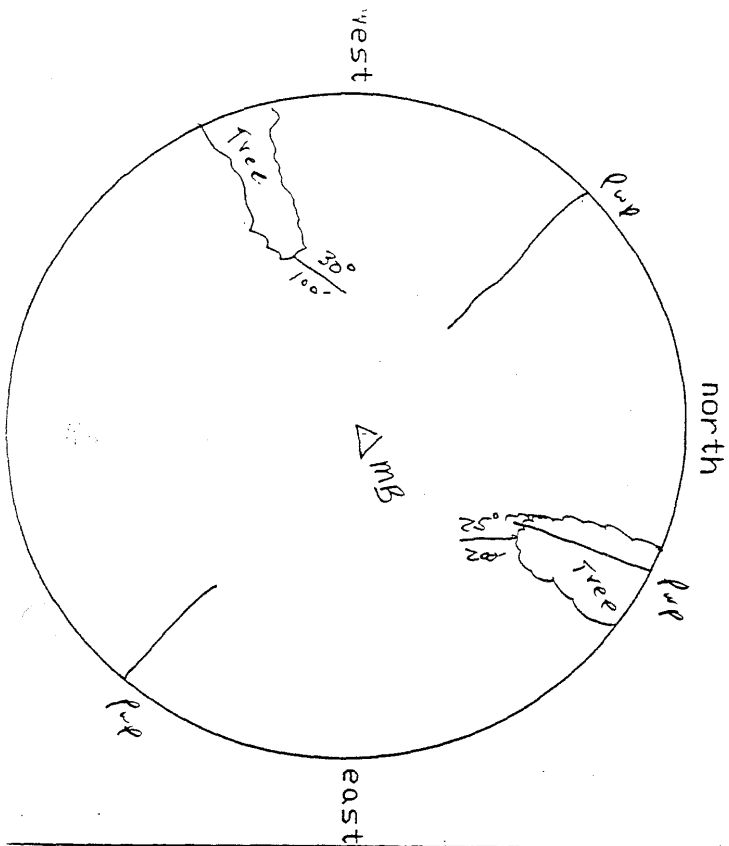
STATION ME # 45  
 LOCATION Vermillion and Garfield rd.  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WDLPERT DNSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4-21-89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JER  
 OBSERVER'S HEIGHT SFT. 2.1 IN.

FINAL DATA YARD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



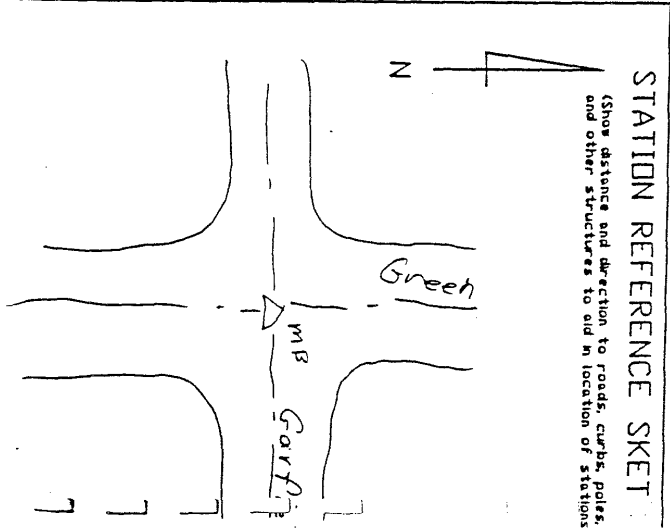
Station Name: LC46  
 Elevation 247.831 m 813.093 ft  
 Latitude (dms) 41 19 13.36780  
 Longitude (dms) 82 20 37.76490  
 Easting (X) in meters 613075.424  
 Northing(Y) in meters 183651.160  
 Easting (X) in US Survey ft 2011398.286  
 Northing(Y) in US Survey ft 602528.847  
 Easting (X) in international ft 2011402.309  
 Northing(Y) in international ft 602530.052  
 Scale .99994884  
 Convergence (dms) 0 6 9.361  
 Y0 155578.907



STATION # 46  
 LOCATION Garfield Rd and Green Rd (Col. Line)  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

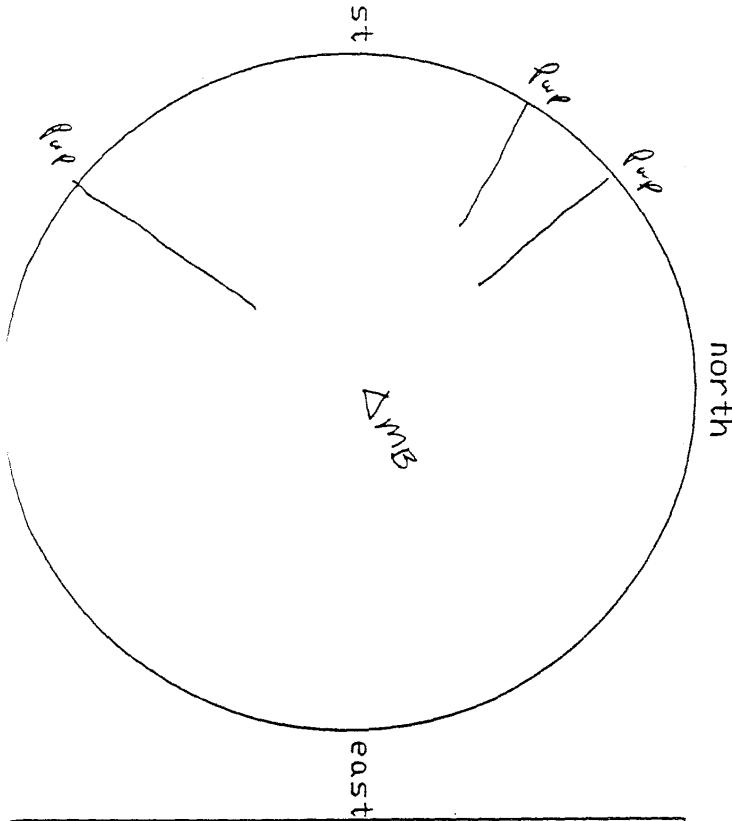
WDLPERT DNSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4-21-89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT. 2 IN.

FINAL DATA JORD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations)

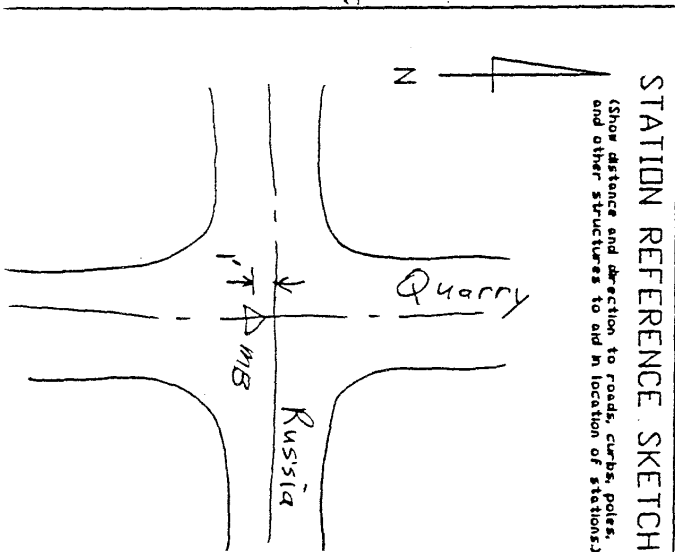
Station Name: LC47  
 Elevation 241.401 m 791.996 ft  
 Latitude (dms) 41 20 18.37280  
 Longitude (dms) 82 15 24.02430  
 Easting (X) in meters 620366.212  
 Northing(Y) in meters 185673.171  
 Easting (X) in US Survey ft 2035318.146  
 Northing(Y) in US Survey ft 609162.730  
 Easting (X) in international ft 2035322.217  
 Northing(Y) in international ft 609163.948  
 Scale .99995028  
 Convergence (dms) 0 9 35.473  
 Y0 155578.907



STATION ME #47  
 LOCATION Quarry Rd and Russia Rd  
 USGS QUAD  
 LAT  
 LONG  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4-21-98  
 MAP SCALE  
 MAP SHEET  
 OBSERVER JSK  
 OBSERVER'S HEIGHT 5 FT 9 IN

FINAL DATA WORD  
 STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV



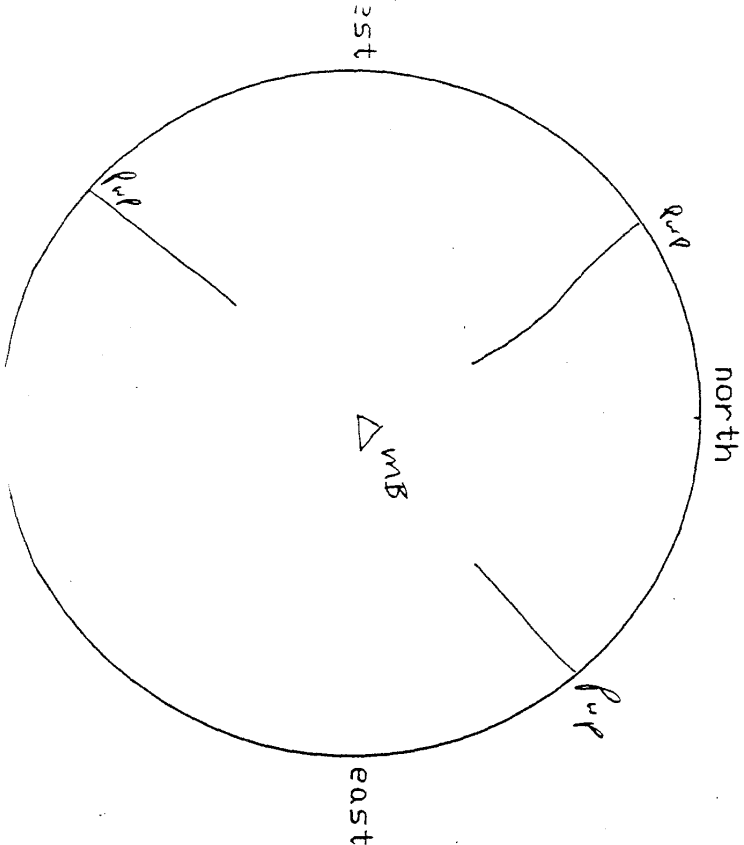
STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations)

Lorraine Co, Sht 30-57250-02



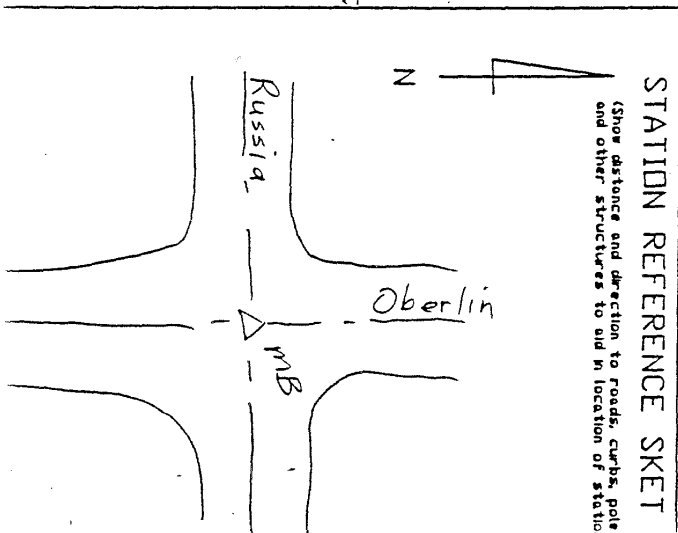
Station Name: LC48  
 Elevation 241.455 m 792.174 ft  
 Latitude (dms) 41 20 15.72110  
 Longitude (dms) 82 11 45.62000  
 Easting (X) in meters 625444.323  
 Northing (Y) in meters 185607.304  
 Easting (X) in US Survey ft 2051978.582  
 Northing (Y) in US Survey ft 608946.630  
 Easting (X) in international ft 2051982.686  
 Northing (Y) in international ft 608947.847  
 Scale .99995022  
 Convergence (dms) 0 11 58.953  
 Y0 155578.907

STATION # 48  
 LOCATION Oberlin Rd and Russia Rd  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

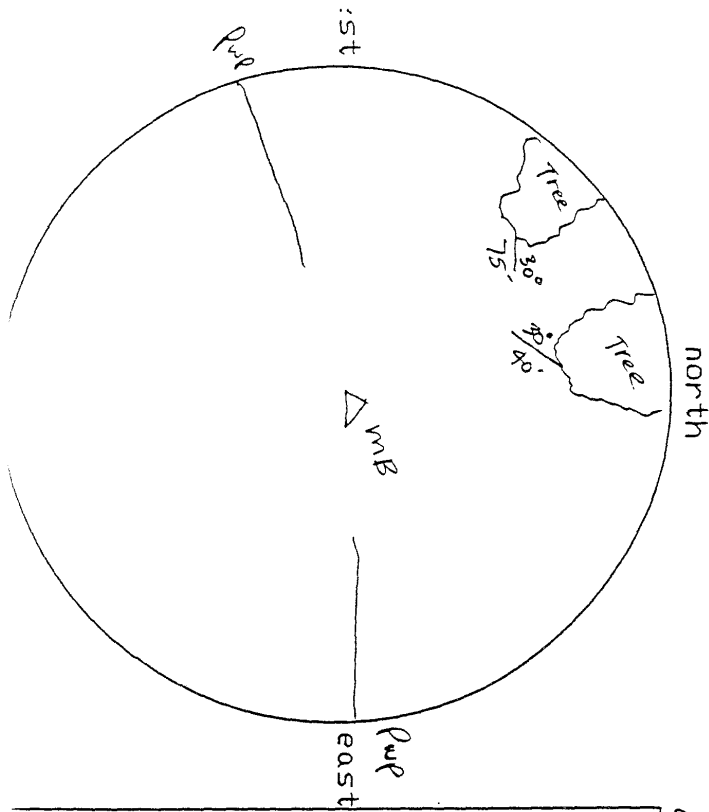


WOODPERT INSULTANTS  
 GPS STATION VISIBILITY DIAGRAM & REFERENCE SKETCH  
 DATE 4-27-89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEC  
 OBSERVER'S HEIGHT 5 FT 9 IN

FINAL DATA JRD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV \_\_\_\_\_



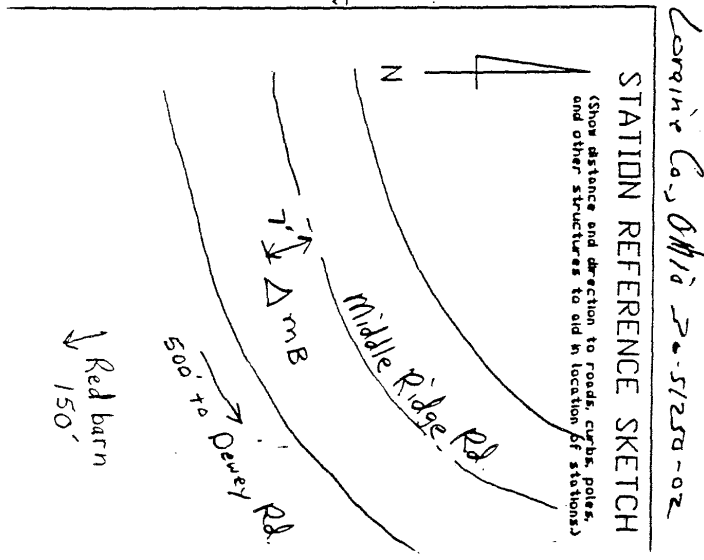
Station Name: LC49  
 Elevation 223.080 m 731.887 ft  
 Latitude (dms) 41 23 20.18280  
 Longitude (dms) 82 12 11.65090  
 Easting (X) in meters 624819.744  
 Northing (Y) in meters 191295.607  
 Easting (X) in US Survey ft 2049929.444  
 Northing (Y) in US Survey ft 627609.005  
 Easting (X) in international ft 2049933.544  
 Northing (Y) in international ft 627610.261  
 Scale .99995482  
 Convergence (dms) 0 11 41.852  
 Y0 155578.907



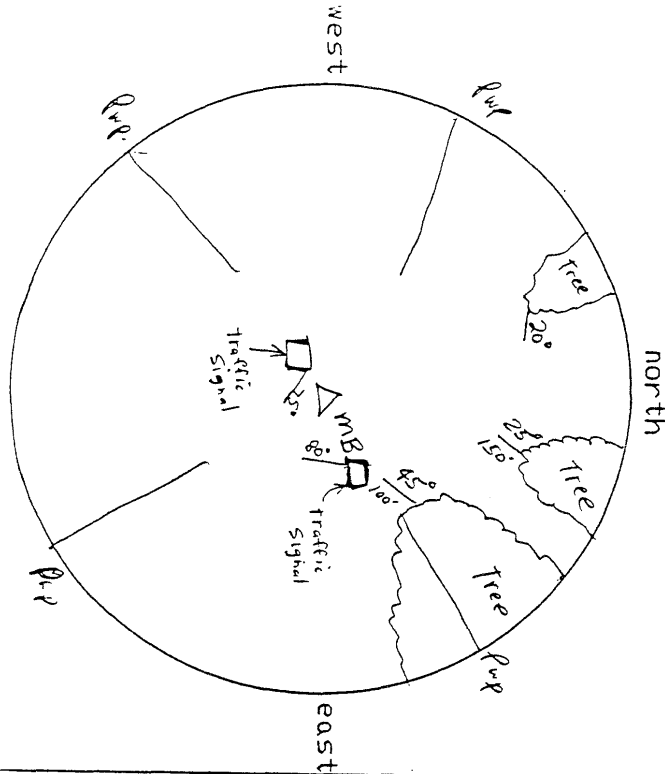
STATION # 49  
 LOCATION Middle Ridge Rd  
 USGS QUAD. 50E West of Dewey Rd  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the  
 nearest edge of all obstructions  
 <ceeding 20'.

WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4-21-89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEP  
 OBSERVER'S HEIGHT 5 FT 9 IN

FINAL DATA  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



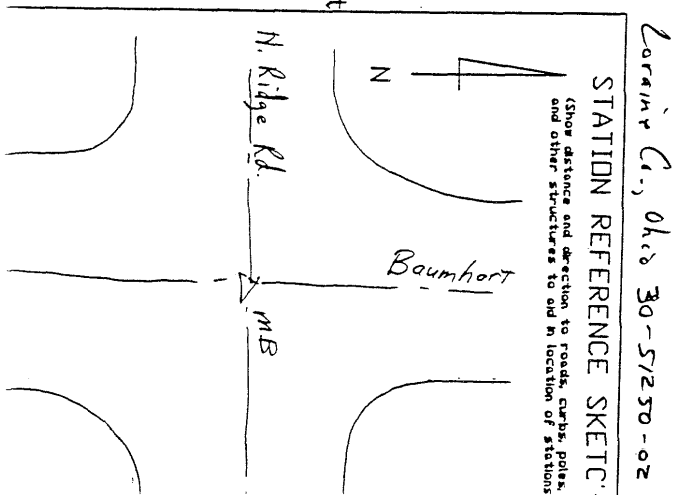
Station Name: LC50  
 Elevation 223.390 m 732.905 ft  
 Latitude (dms) 41 23 20.77180  
 Longitude (dms) 82 16 56.89060  
 Easting (X) in meters 618193.064  
 Northing(Y) in meters 191294.239  
 Easting (X) in US Survey ft 2028188.412  
 Northing(Y) in US Survey ft 627604.516  
 Easting (X) in international ft 2028192.468  
 Northing(Y) in international ft 627605.772  
 Scale .99995484  
 Convergence (dms) 0 8 34.464  
 Y0 155578.907



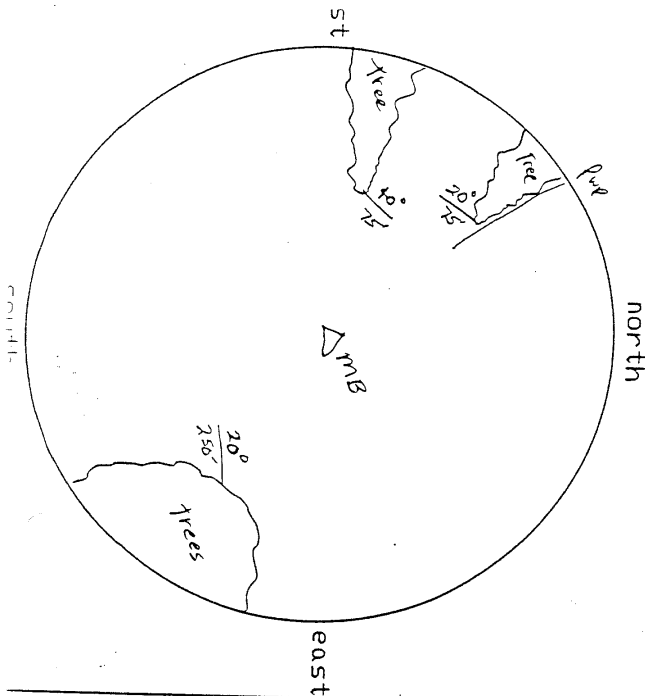
STATION LC50  
 LOCATION North Ridge Rd. and Baumhort Rd.  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4-21-87  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JFK  
 OBSERVER'S HEIGHT 5 FT. 2 IN.

FINAL DATA R. RD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



Station Name: LC51  
 Elevation 201.945 m 662.549 ft  
 Latitude (dms) 41 24 13.14500  
 Longitude (dms) 82 20 29.49090  
 Easting (X) in meters 613251.041  
 Northing(Y) in meters 192899.254  
 Easting (X) in US Survey ft 2011974.457  
 Northing(Y) in US Survey ft 632870.303  
 Easting (X) in international ft 2011978.481  
 Northing(Y) in international ft 632871.568  
 Scale .99995629  
 Convergence (dms) 0 6 14.796  
 Y0 155578.907



STATION # 51  
 LOCATION West River Rd  
 250' North of Bridge over Rts. 2  
 USGS QUAD  
 LAT.  
 LONG.

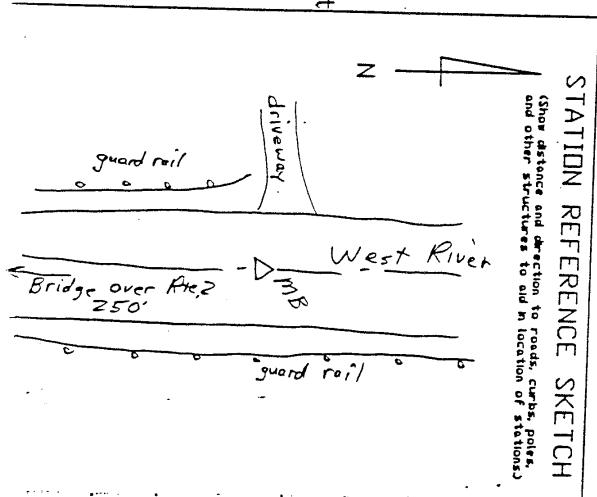
NOTES: show the distance to the nearest edge of all obstructions (ceeding 20'.

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH

DATE 4-27-88  
 MAP SCALE  
 MAP SHEET  
 OBSERVER JAK  
 OBSERVER'S HEIGHT 5FT. 2 IN.

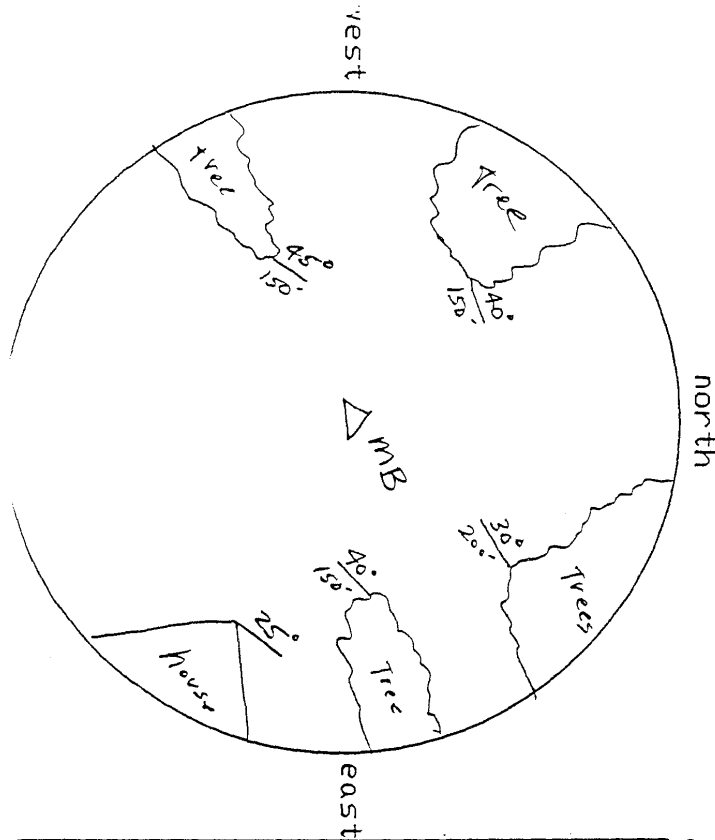
FINAL DATA DRD

STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV



Corning Co., Ohio 30-57250-02

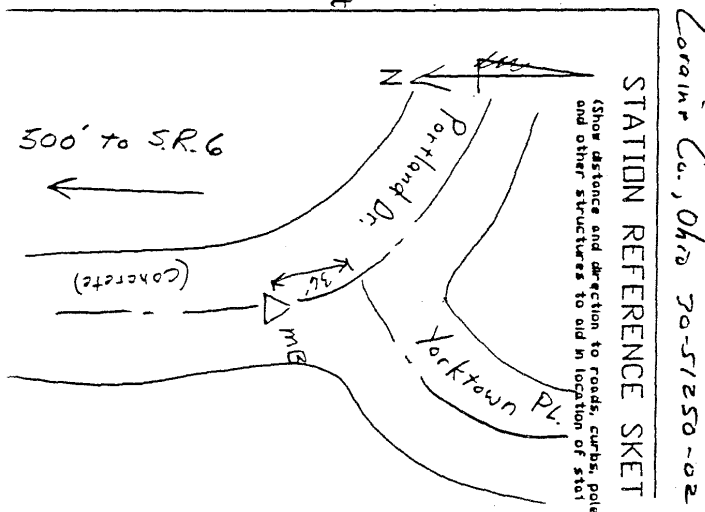
Station Name: LC52  
 Elevation 180.917 m 593.559 ft  
 Latitude (dms) 41 25 34.66760  
 Longitude (dms) 82 20 40.25170  
 Easting (X) in meters 612996.620  
 Northing(Y) in meters 195413.709  
 Easting (X) in US Survey ft 2011139.744  
 Northing(Y) in US Survey ft 641119.811  
 Easting (X) in international ft 2011143.766  
 Northing(Y) in international ft 641121.093  
 Scale .99995869  
 Convergence (dms) 0 6 7.727  
 Y0 155578.907



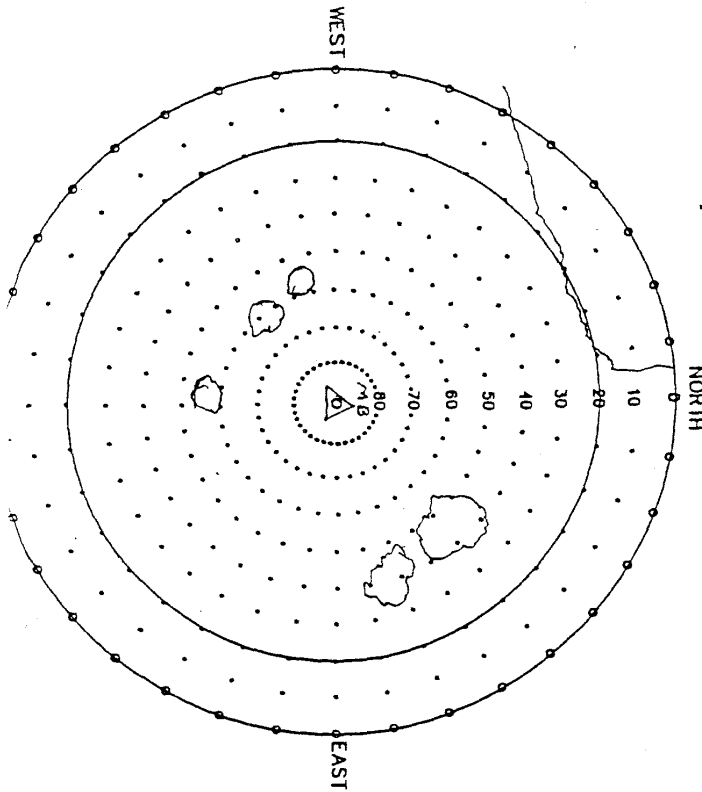
STATION # 52  
 LOCATION Portland, DC  
36 North of Yorktown Pl.  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4-21-89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER J.E.K.  
 OBSERVER'S HEIGHT 5 FT. 2 IN.

FINAL DATA ORD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



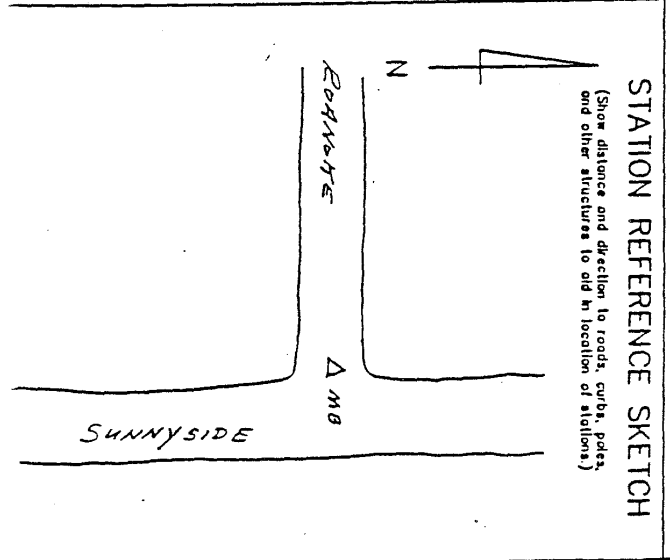
Station Name: LC53  
 Elevation 193.158 m 633.721 ft  
 Latitude (dms) 41 25 17.94720  
 Longitude (dms) 82 18 16.69590  
 Easting (X) in meters 616330.947  
 Northing(Y) in meters 194904.602  
 Easting (X) in US Survey ft 2022079.117  
 Northing(Y) in US Survey ft 639449.516  
 Easting (X) in international ft 2022083.161  
 Northing(Y) in international ft 639450.795  
 Scale .99995818  
 Convergence (dms) 0 7 42.036  
 Y0 155578.907



PROJECT LOBAIN Co.  
 ORDER# 39-51250-02  
 STATION NAME #53  
 LOCATION Sunnyside Heights  
 COMMENTS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

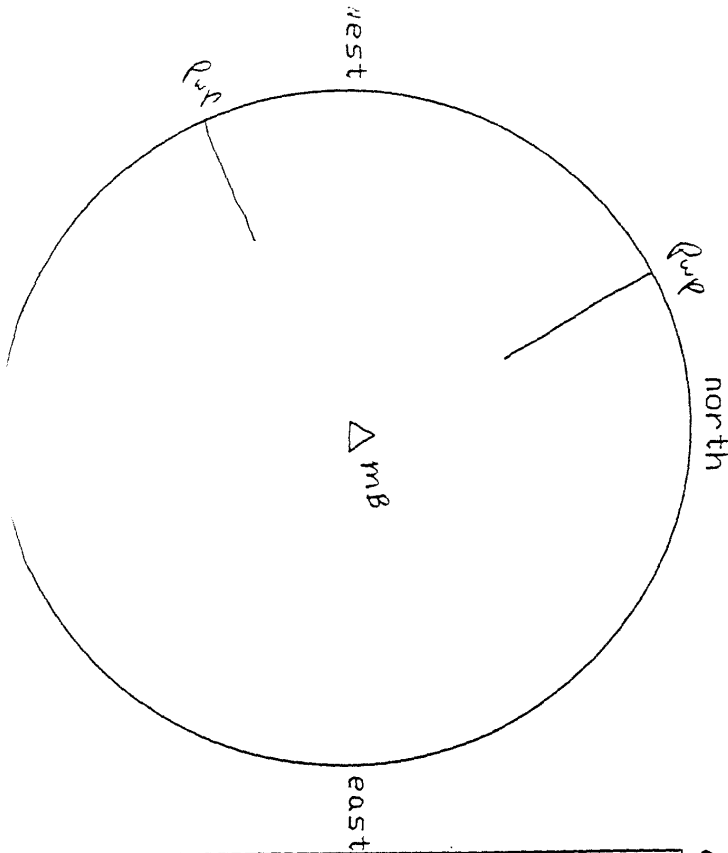
WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 DATE 5-28-89  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN. ELEV. \_\_\_\_\_

USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_ LONG. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_



NOTE: Show the distance to the nearest edge of all obstructions exceeding 20'

Station Name: LC54  
 Elevation 185.729 m 609.345 ft  
 Latitude (dms) 41 25 42.17020  
 Longitude (dms) 82 14 33.37420  
 Easting (X) in meters 621514.330  
 Northing (Y) in meters 195665.322  
 Easting (X) in US Survey ft 2039084.933  
 Northing (Y) in US Survey ft 641945.310  
 Easting (X) in international ft 2039089.011  
 Northing (Y) in international ft 641946.594  
 Scale .99995891  
 Convergence (dms) 0 10 8.747  
 Y0 155578.907



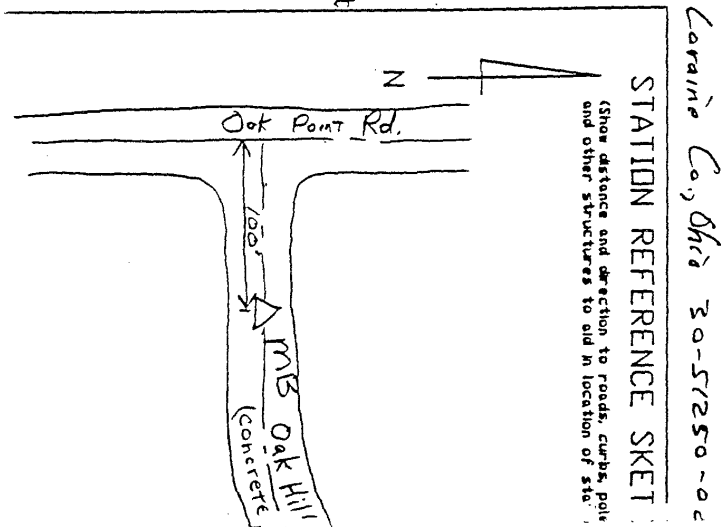
STATION # 54  
 LOCATION Oak Hill Dr  
and Oak Point Rd.  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_

NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

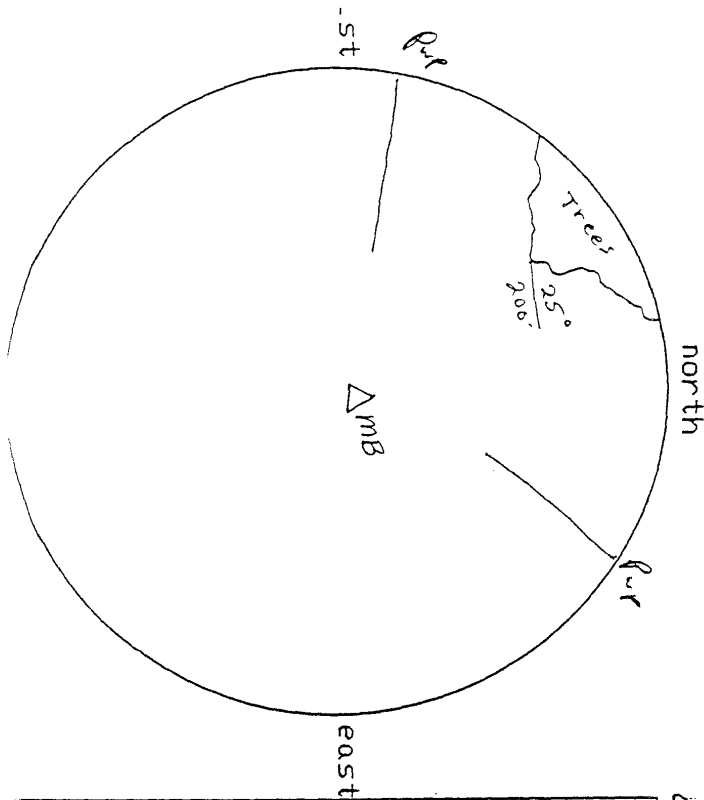
WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4-21-89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JEK  
 OBSERVER'S HEIGHT 5 FT. 2 IN.

STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_

FINAL DATA JORD



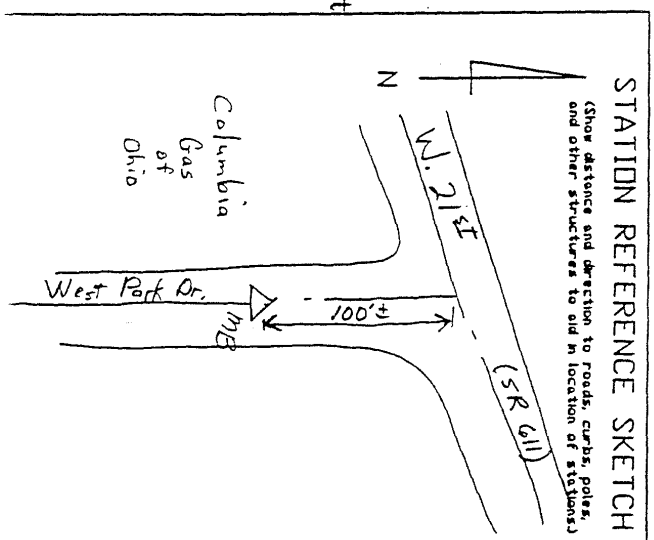
Station Name: LC55  
 Elevation 184.051 m 603.840 ft  
 Latitude (dms) 41 26 58.65160  
 Longitude (dms) 82 12 44.97600  
 Easting (X) in meters 624023.325  
 Northing(Y) in meters 198032.579  
 Easting (X) in US Survey ft 2047316.527  
 Northing(Y) in US Survey ft 649711.888  
 Easting (X) in international ft 2047320.622  
 Northing(Y) in international ft 649713.187  
 Scale .99996132  
 Convergence (dms) 0 11 19.959  
 Y0 155578.907



STATION # 55  
 LOCATION W. 21st St. (SR 611)  
 and West Park Dr.  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the  
 nearest edge of all obstructions  
 exceeding 20'.

WOOLPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4-21-88  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JFK  
 OBSERVER'S HEIGHT 5 FT 7 IN.

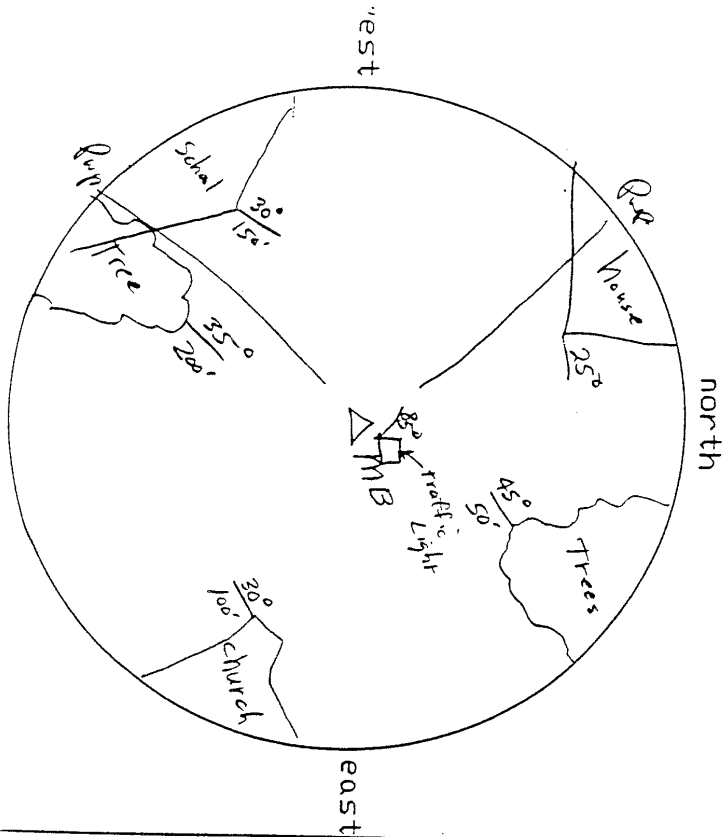
FINAL DATA JRD  
 STATE ZONE \_\_\_\_\_  
 SPCS \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, poles,  
 and other structures to aid in location of systems)



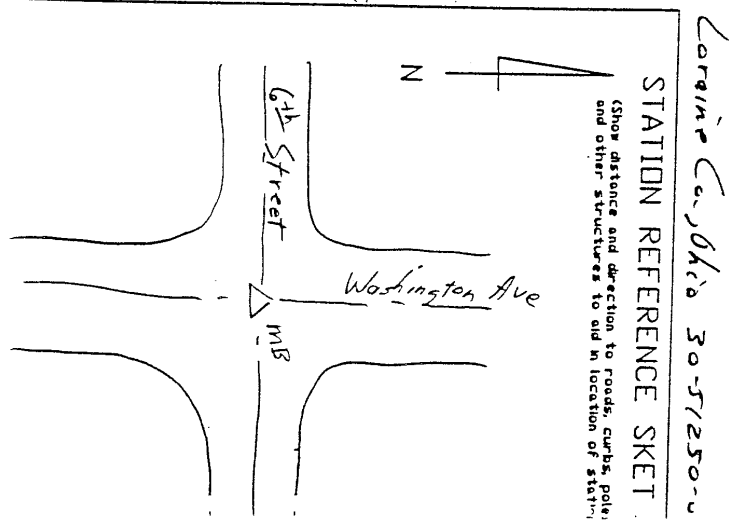
Station Name: LC56  
 Elevation 183.180 m 600.982 ft  
 Latitude (dms) 41 27 52.34230  
 Longitude (dms) 82 10 46.34420  
 Easting (X) in meters 626770.720  
 Northing (Y) in meters 199698.502  
 Easting (X) in US Survey ft 2056330.270  
 Northing (Y) in US Survey ft 655177.502  
 Easting (X) in international ft 2056334.382  
 Northing (Y) in international ft 655178.812  
 Scale .99996308  
 Convergence (dms) 0 12 37.895  
 Y0 155578.907



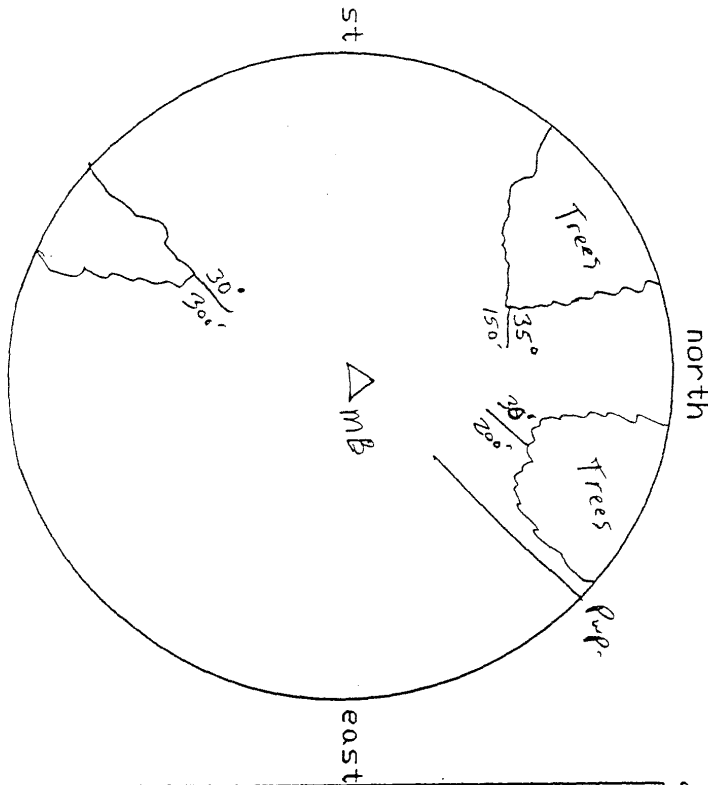
STATION VE NE # 56  
 LOCATION 6th St. and Washington Ave. In Coraine  
 USGS QUAD \_\_\_\_\_  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOLLPERT GNSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4-27-97  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JK  
 OBSERVER'S HEIGHT 5-FT. 9 IN.

STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_  
 FINAL DATA WORD



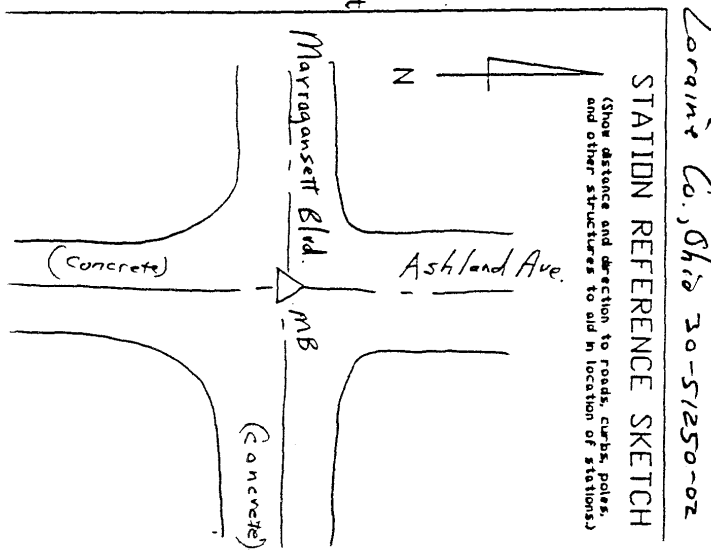
Station Name: LC57  
 Elevation 195.036 m 639.880 ft  
 Latitude (dms) 41 25 17.91100  
 Longitude (dms) 82 11 23.69610  
 Easting (X) in meters 625920.907  
 Northing(Y) in meters 194931.274  
 Easting (X) in US Survey ft 2053542.174  
 Northing(Y) in US Survey ft 639537.023  
 Easting (X) in international ft 2053546.282  
 Northing(Y) in international ft 639538.302  
 Scale .99995818  
 Convergence (dms) 0 12 13.356  
 Y0 155578.907



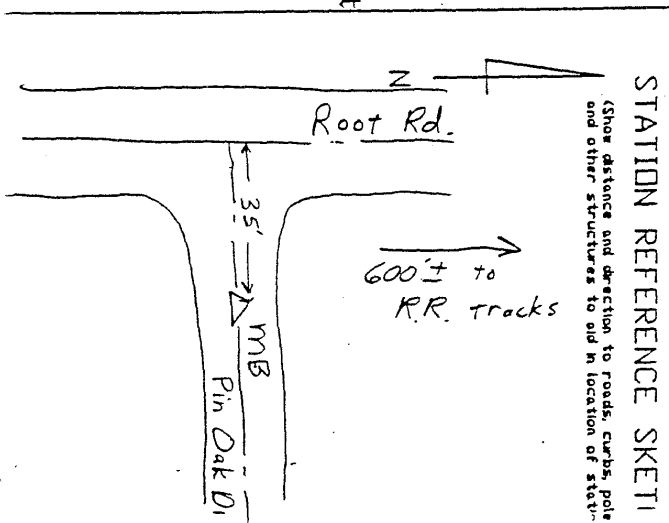
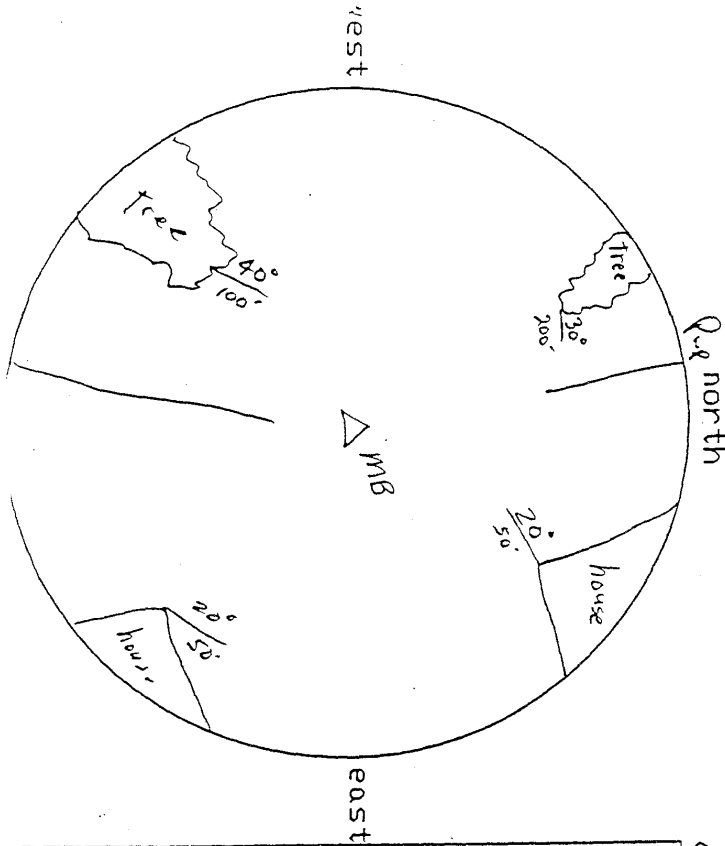
STATION NE # 57  
 LOCATION Ashland Ave.  
 and Marragansett Blvd.  
 USGS QUAD  
 LAT  
 LONG  
 NOTES: show the distance to the  
 nearest edge of all obstructions  
 exceeding 20'.

WDLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4-21-88  
 MAP SCALE  
 MAP SHEET  
 OBSERVER JER  
 OBSERVER'S HEIGHT 5FT. 2 IN.

FINAL DATA JORD  
 STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV.



Station Name: LC58  
 Elevation 185.395 m 608.249 ft  
 Latitude (dms) 41 28 38.02690  
 Longitude (dms) 82 7 54.94680  
 Easting (X) in meters 630742.047  
 Northing (Y) in meters 201123.546  
 Easting (X) in US Survey ft 2069359.532  
 Northing (Y) in US Survey ft 659852.835  
 Easting (X) in international ft 2069363.671  
 Northing (Y) in international ft 659854.155  
 Scale .999996464  
 Convergence (dms) 0 14 30.494  
 Y0 155578.907

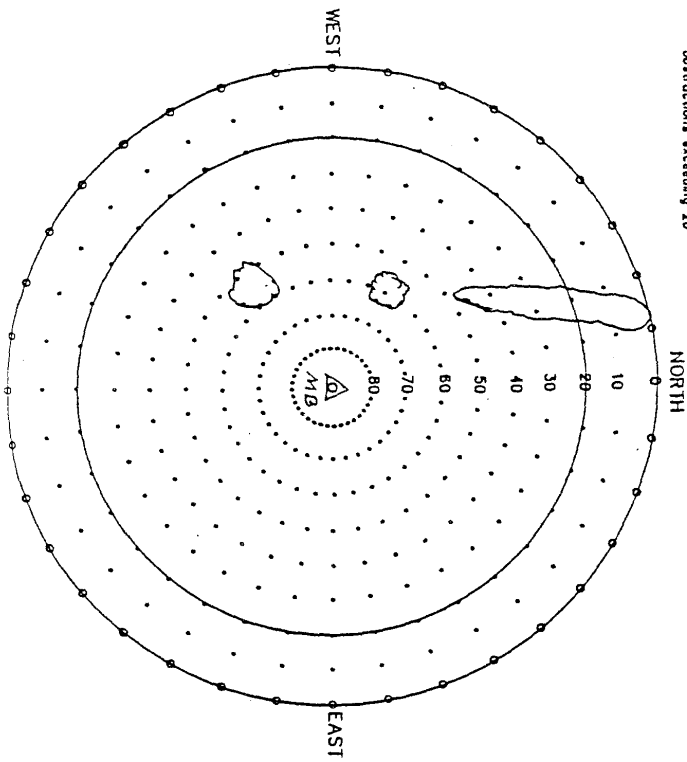


STATION # LC58  
 LOCATION Root Rd. and Pin Oak Dr.  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4-21-89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER JSC  
 OBSERVER'S HEIGHT 5FT. 9 IN.

STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_  
 FINAL DATA DRD

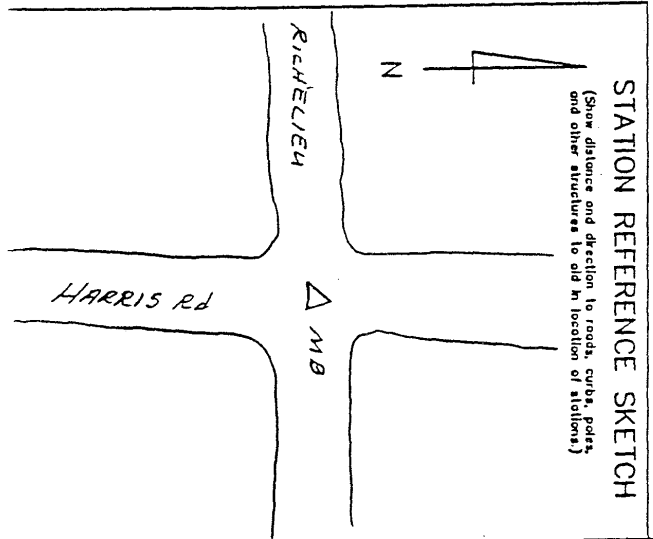
Station Name: LC59  
 Elevation 183.396 m 601.692 ft  
 Latitude (dms) 41 29 24.69830  
 Longitude (dms) 82 5 40.11800  
 Easting (X) in meters 633863.442  
 Northing (Y) in meters 202577.209  
 Easting (X) in US Survey ft 2079600.308  
 Northing (Y) in US Survey ft 664622.061  
 Easting (X) in international ft 2079604.467  
 Northing (Y) in international ft 664623.390  
 Scale .99996628  
 Convergence (dms) 0 15 59.070  
 Y0 155578.907



PROJECT LOKRAIN CO.  
 ORDER# 30-51250-02  
 STATION NAME #59  
 LOCATION HARRIS & RICHIEVEY  
 COMMENTS \_\_\_\_\_  
 DATE 5-28-89

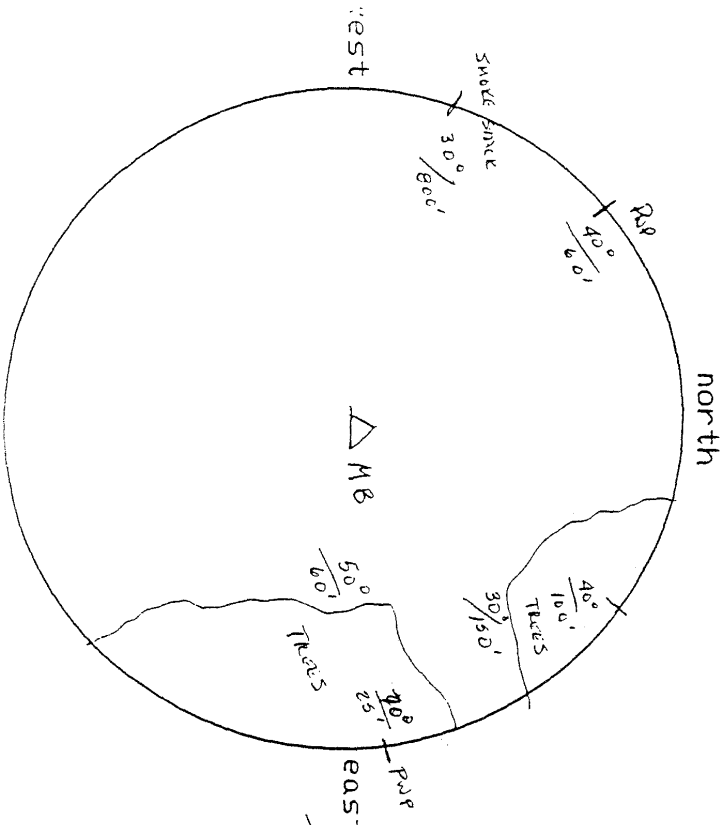
WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN. ELEV. \_\_\_\_\_

USGS QUAD \_\_\_\_\_ LONG. \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



NOTE: Show the distance to the nearest edge of all obstructions exceeding 20'

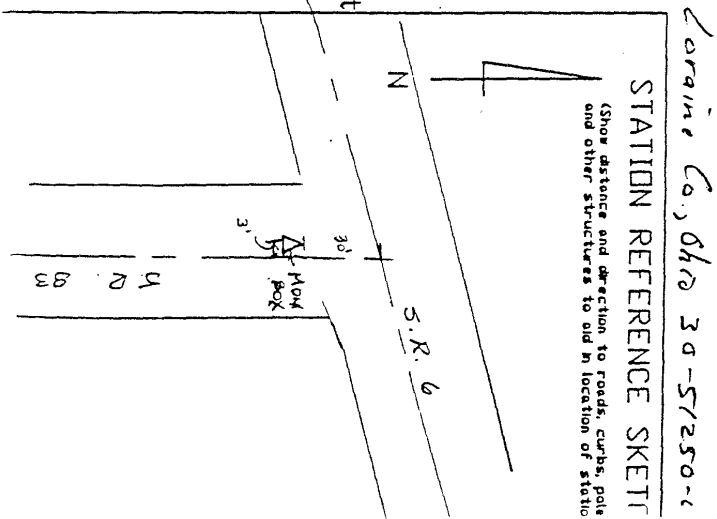
Station Name: LC60  
 Elevation 183.774 m 602.933 ft  
 Latitude (dms) 41 30 18.41740  
 Longitude (dms) 82 2 48.50520  
 Easting (X) in meters 637835.529  
 Northing(Y) in meters 204254.017  
 Easting (X) in US Survey ft 2092632.064  
 Northing(Y) in US Survey ft 670123.387  
 Easting (X) in international ft 2092636.250  
 Northing(Y) in international ft 670124.727  
 Scale .99996824  
 Convergence (dms) 0 17 51.811  
 Y0 155578.907



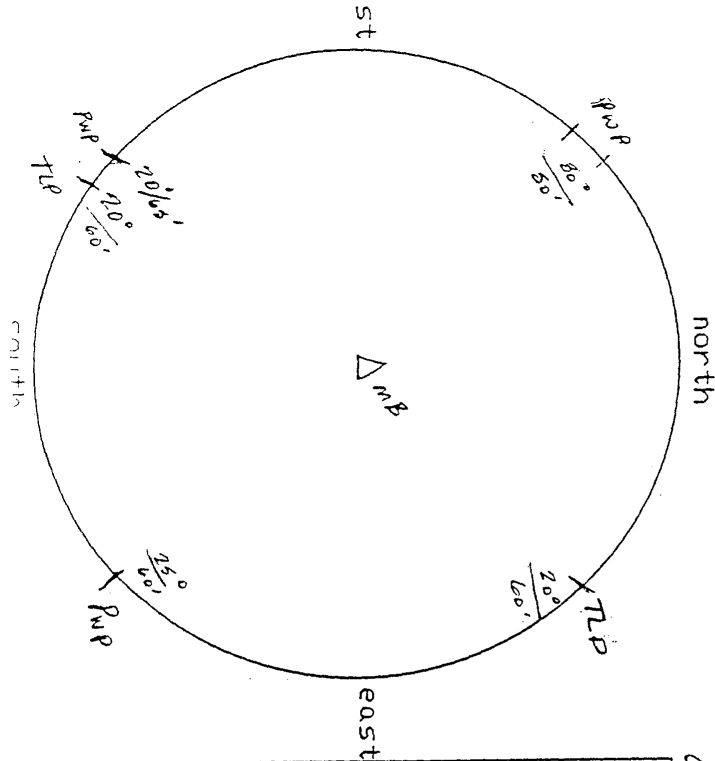
STATION LC60  
 LOCATION MOORE RD  
 AND S.R. 6  
 USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT INSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH  
 DATE 4/21/89  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER MVS  
 OBSERVER'S HEIGHT 5 FT. 10 IN.

FINAL DATA MRD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



Station Name: LC61  
 Elevation 190.914 m 626.357 ft  
 Latitude (dms) 41 29 35.32670  
 Longitude (dms) 82 1 8.26020  
 Easting (X) in meters 640167.591  
 Northing (Y) in meters 202937.141  
 Easting (X) in US Survey ft 2100283.172  
 Northing (Y) in US Survey ft 665802.936  
 Easting (X) in international ft 2100287.373  
 Northing (Y) in international ft 665804.267  
 Scale .999966666  
 Convergence (dms) 0 18 57.667  
 Y0 155578.907

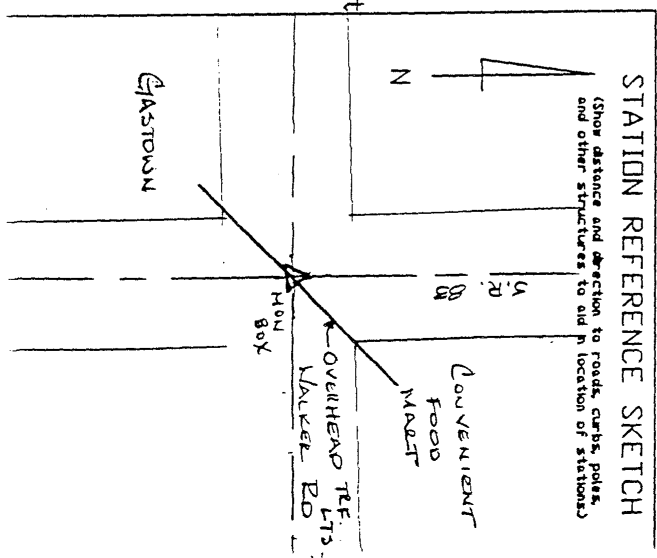


STATION # 51  
 LOCATION S & B  
 USGS QUAD  
 LAT  
 LONG  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOOLPERT INSUL TANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4/21/89  
 MAP SCALE  
 MAP SHEET  
 OBSERVER MJS  
 OBSERVER'S HEIGHT 5 FT 10 IN

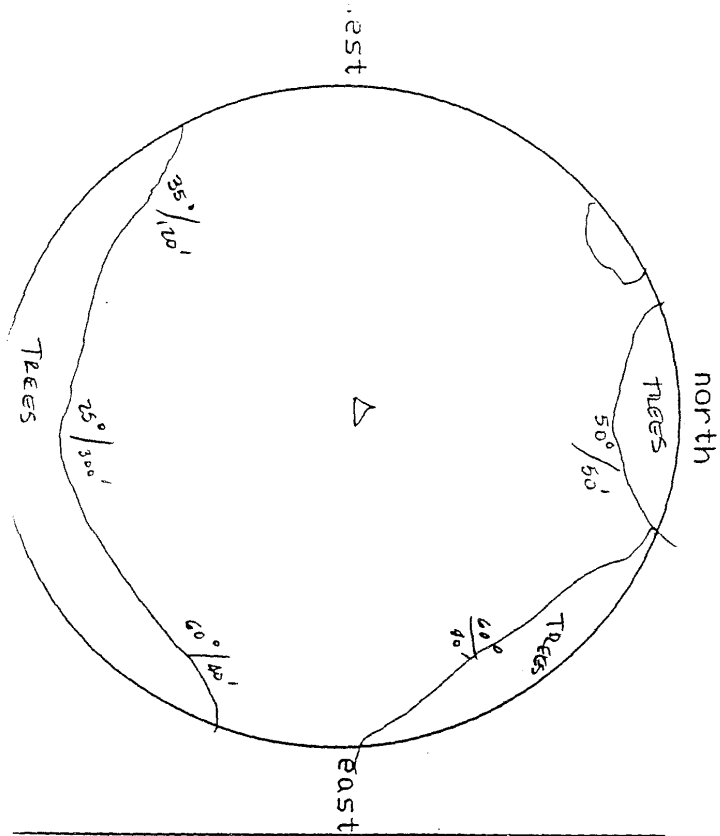
STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV.

FINAL DATA R. YD



Loraine Co., 6412 30-512-50-02

Station Name: LC62  
 Elevation 190.619 m 625.390 ft  
 Latitude (dms) 41 30 15.56520  
 Longitude (dms) 81 58 8.10670  
 Easting (X) in meters 644338.632  
 Northing (Y) in meters 204202.721  
 Easting (X) in US Survey ft 2113967.660  
 Northing (Y) in US Survey ft 669955.094  
 Easting (X) in international ft 2113971.888  
 Northing (Y) in international ft 669956.434  
 Scale .99996813  
 Convergence (dms) 0 20 56.019  
 Y0 155578.907



STATION LC62  
 LOCATION U.S. 6  
 USGS QUAD Coraine, Ohio  
 LAT 41 30 15.56520  
 LONG 81 58 8.10670

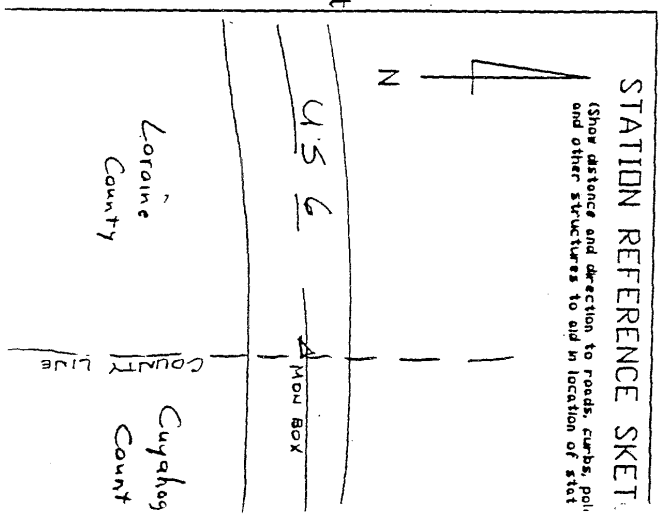
NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 &  
 REFERENCE SKETCH

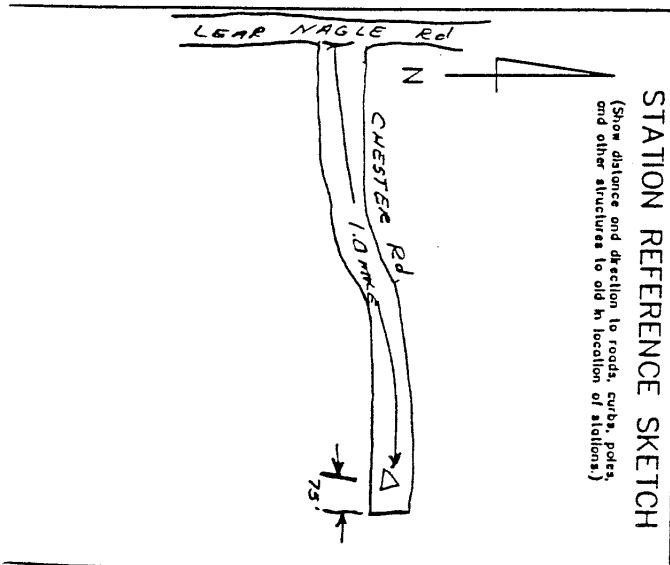
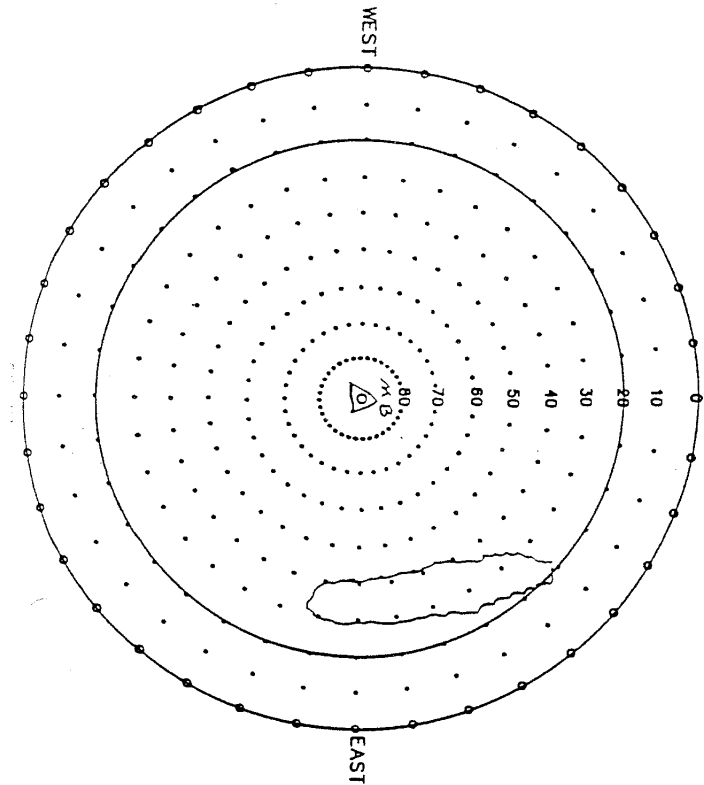
DATE \_\_\_\_\_  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER \_\_\_\_\_  
 OBSERVER'S HEIGHT \_\_\_\_\_ FT. \_\_\_\_\_ IN.

FINAL DATA JD

STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



Station Name: LC63  
 Elevation 194.422 m 637.867 ft  
 Latitude (dms) 41 28 9.14940  
 Longitude (dms) 81 58 10.89780  
 Easting (X) in meters 644297.617  
 Northing(Y) in meters 200302.488  
 Easting (X) in US Survey ft 2113833.099  
 Northing(Y) in US Survey ft 657159.080  
 Easting (X) in international ft 2113837.327  
 Northing(Y) in international ft 657160.394  
 Scale .99996365  
 Convergence (dms) 0 20 54.185  
 Y0 155578.907



PROJECT LOPAIN Co.  
 ORDER# 30-51250-02  
 STATION NAME # 63  
 LOCATION CHESTER Rd @  
CAYBROOK CO. LINE  
 COMMENTS \_\_\_\_\_

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 DATE 5-28-89  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN.

USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_ LONG. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_

NOTE: Show the distance to the nearest edge of all obstructions exceeding 20'



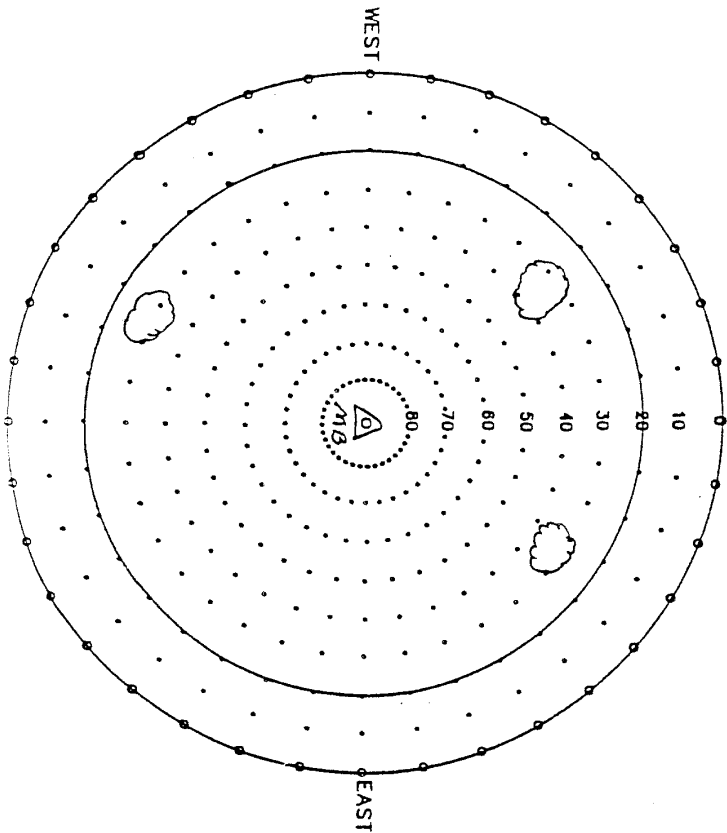
Station Name: LC64  
 Elevation 214.424 m 703.489 ft  
 Latitude (dms) 41 25 3.87930  
 Longitude (dms) 81 58 59.03190  
 Easting (X) in meters 643214.633  
 Northing (Y) in meters 194580.397  
 Easting (X) in US Survey ft 2110280.009  
 Northing (Y) in US Survey ft 638385.854  
 Easting (X) in international ft 2110284.230  
 Northing (Y) in international ft 638387.130  
 Scale .99995776  
 Convergence (dms) 0 20 22.564  
 Y0 155578.907

PROJECT LOKRAIN Co.  
 ORDER# 30-51250-02  
 STATION NAME # 64  
 LOCATION MILLS CREEK / EASTRIDGE

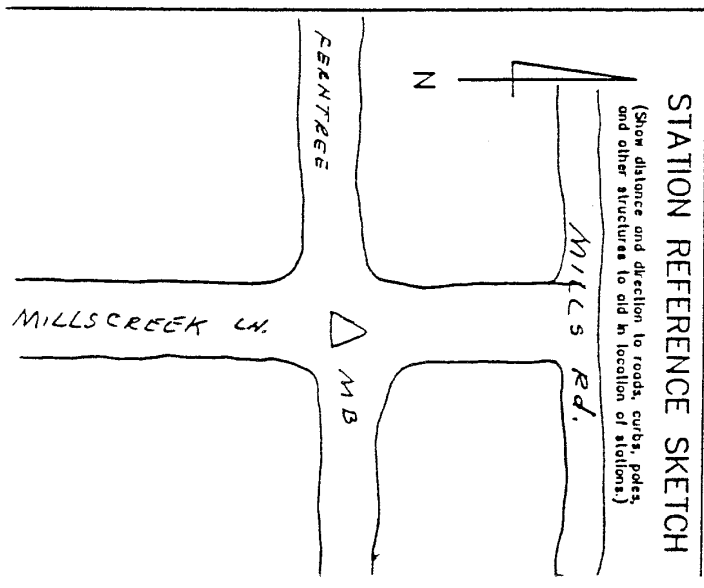
WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 DATE 5-28-87

USGS QUAD \_\_\_\_\_ LONG. \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_

NOTE: Show the distance to the nearest edge of all obstructions exceeding 20'

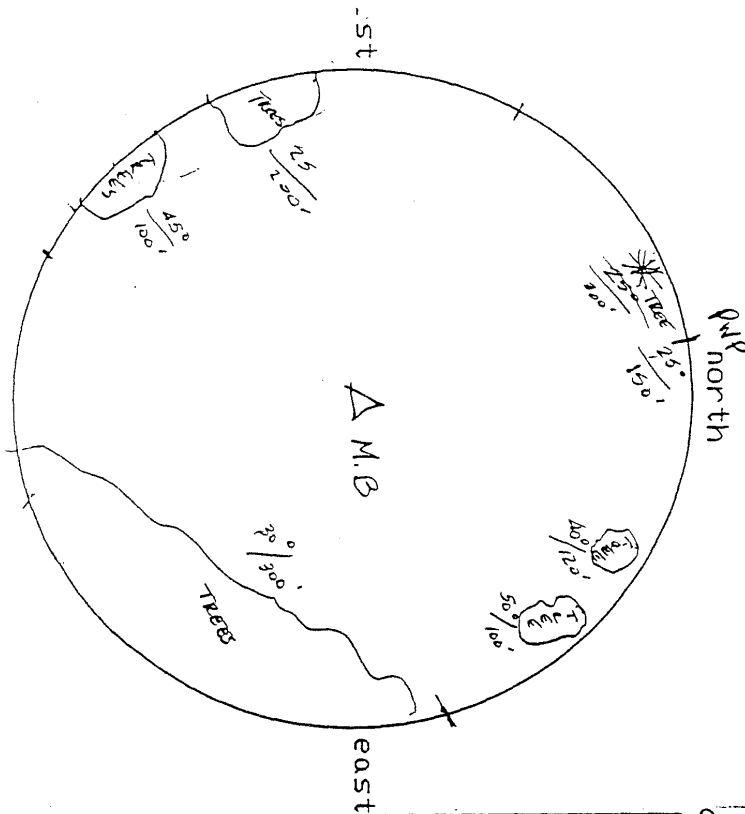


MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN. \_\_\_\_\_ ELEV. \_\_\_\_\_



STATION REFERENCE SKETCH

Station Name: LC65  
 Elevation 202.191 m 663.355 ft  
 Latitude (dms) 41 28 1.80180  
 Longitude (dms) 82 1 10.68150  
 Easting (X) in meters 640127.321  
 Northing (Y) in meters 200051.650  
 Easting (X) in US Survey ft 2100151.053  
 Northing (Y) in US Survey ft 656336.120  
 Easting (X) in international ft 2100155.253  
 Northing (Y) in international ft 656337.433  
 Scale .99996340  
 Convergence (dms) 0 18 56.076  
 Y0 155578.907

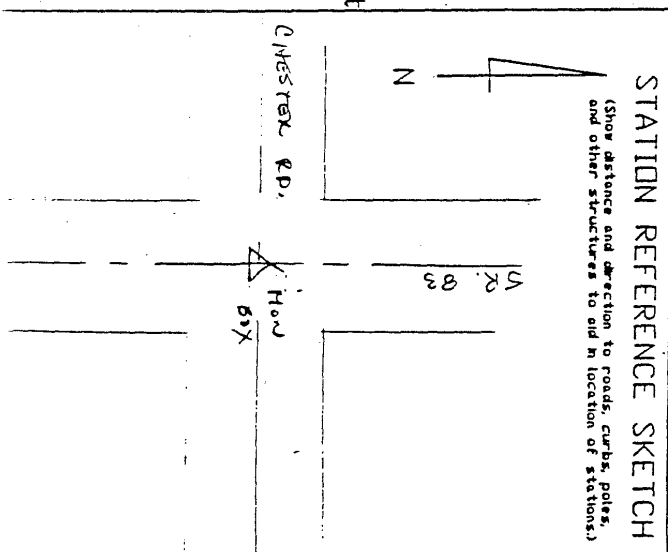


STATION LOCATION ME 5 10 5  
 GPS STATION 5 10 5  
 USGS QUAD CHESTER R.D.  
 LAT. \_\_\_\_\_  
 LONG. \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

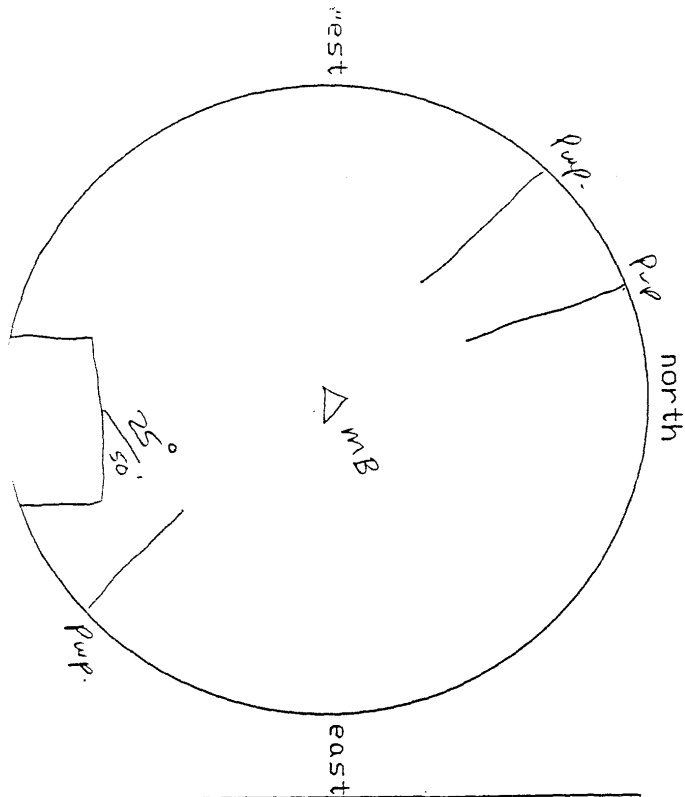
WOODPERT CONSULTANTS  
 GPS STATION VISIBILITY DIAGRAM & REFERENCE SKETCH  
 DATE \_\_\_\_\_  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER A.J.S.  
 OBSERVER'S HEIGHT 5 FT. 2 IN.

FINAL DATA JORD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_

Loraine Co., Ohio 30-5/250-02



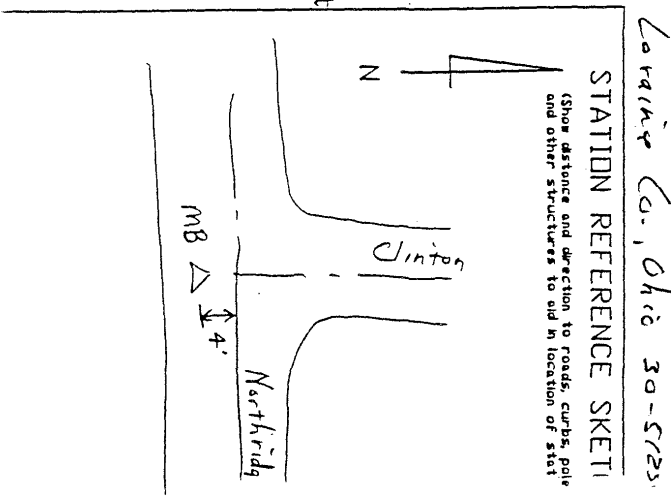
Station Name: LC66  
 Elevation 205.864 m 675.405 ft  
 Latitude (dms) 41 25 5.74310  
 Longitude (dms) 82 7 35.83330  
 Easting (X) in meters 631213.526  
 Northing (Y) in meters 194576.639  
 Easting (X) in US Survey ft 2070906.375  
 Northing (Y) in US Survey ft 638373.523  
 Easting (X) in international ft 2070910.517  
 Northing (Y) in international ft 638374.799  
 Scale .99995782  
 Convergence (dms) 0 14 43.051  
 Y0 155578.907



STATION # 66  
 LOCATION Northridge Rd  
 USGS QUAD and Clinton Rd  
 LAT \_\_\_\_\_  
 LONG \_\_\_\_\_  
 NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

WOODPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM &  
 REFERENCE SKETCH  
 DATE 4-21-99  
 MAP SCALE \_\_\_\_\_  
 MAP SHEET \_\_\_\_\_  
 OBSERVER \_\_\_\_\_  
 OBSERVER'S HEIGHT 5 FT 0 IN

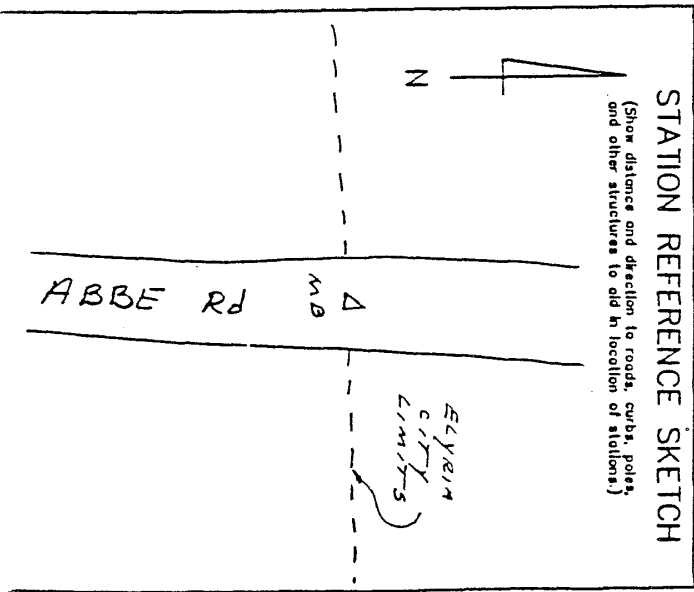
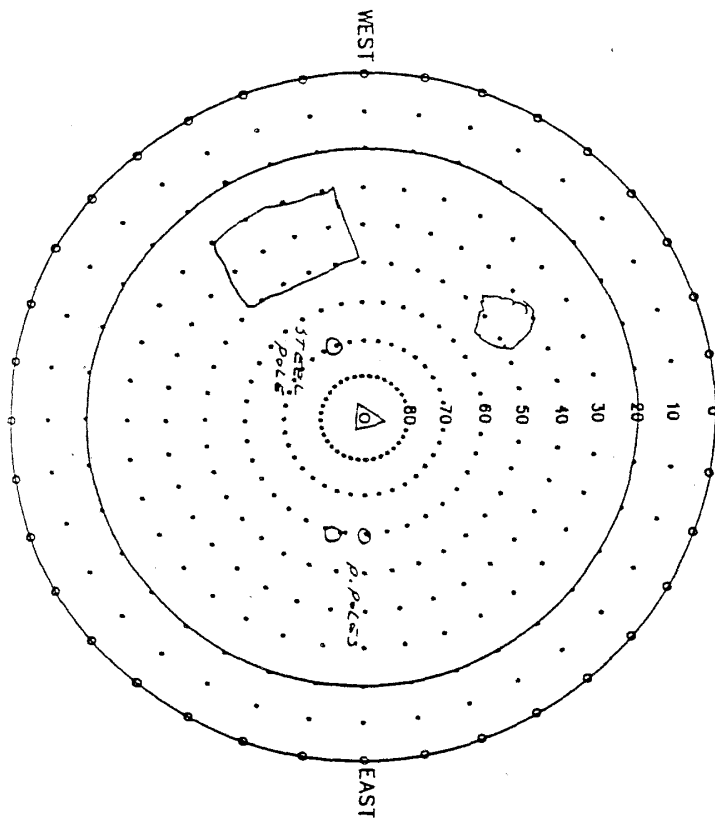
FINAL DATA HRD  
 STATE \_\_\_\_\_  
 SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV \_\_\_\_\_



STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, pole and other structures to aid in location of stat)

Clinton  
Northridge  
MB  $\Delta$   $\downarrow$  4'

Station Name: LC67  
 Elevation 209.308 m 686.704 ft  
 Latitude (dms) 41 25 6.85880  
 Longitude (dms) 82 4 37.70590  
 Easting (X) in meters 635349.708  
 Northing(Y) in meters 194629.939  
 Easting (X) in US Survey ft 2084476.501  
 Northing(Y) in US Survey ft 638548.391  
 Easting (X) in international ft 2084480.670  
 Northing(Y) in international ft 638549.668  
 Scale .99995785  
 Convergence (dms) 0 16 40.072  
 Y0 155578.907



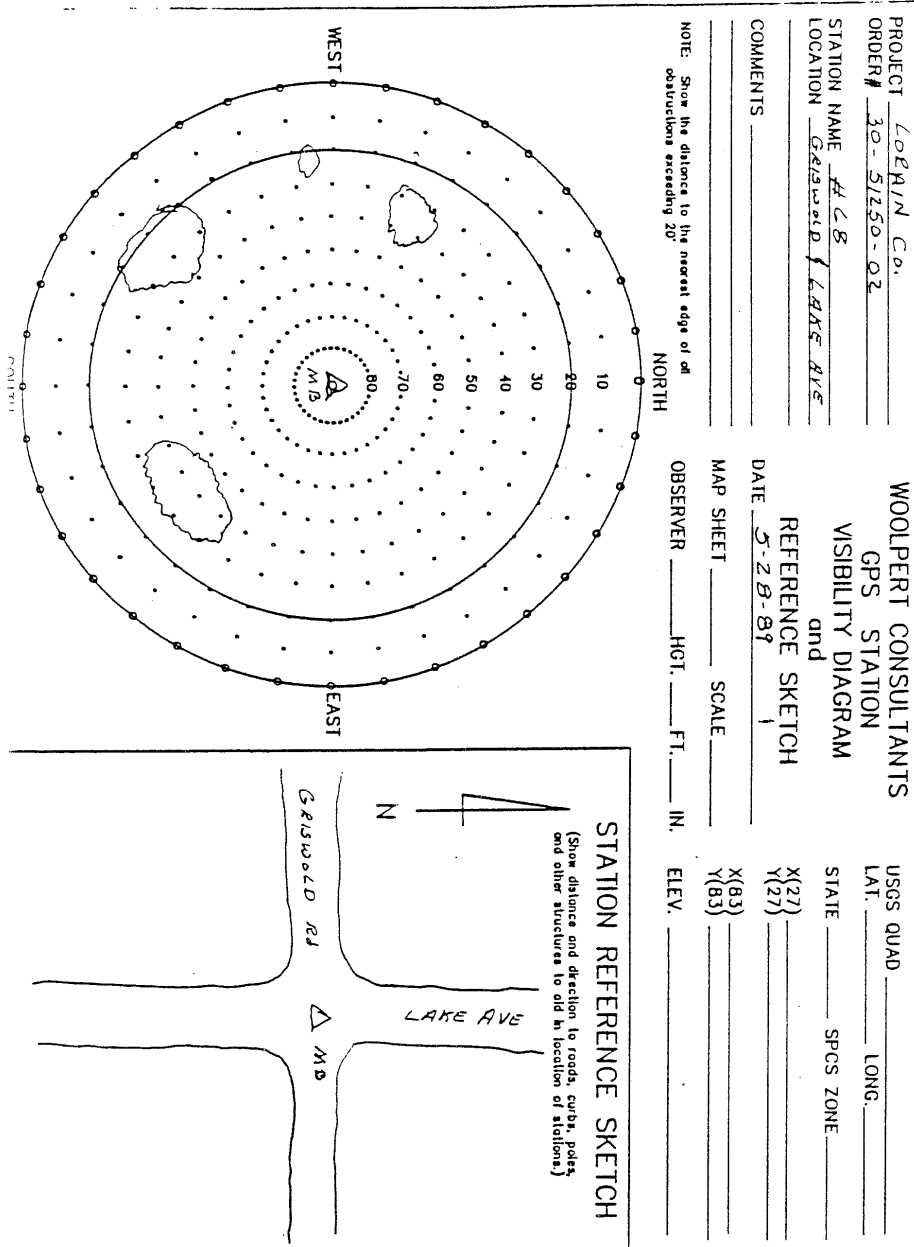
PROJECT LOEHLIN CO.  
 ORDER# 30-51250-02  
 STATION NAME # 67  
 LOCATION ABBE Rd @ NEARBY  
ELYRIA CITY LIMITS  
 COMMENTS \_\_\_\_\_  
 DATE 5-28-87

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN. ELEV. \_\_\_\_\_  
 NOTE: Show the distance to the nearest edge of all obstructions exceeding 20'

USGS QUAD \_\_\_\_\_ LONG. \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_

**STATION REFERENCE SKETCH**  
 (Show distance and direction to roads, curbs, poles, and other structures to aid in location of stations.)

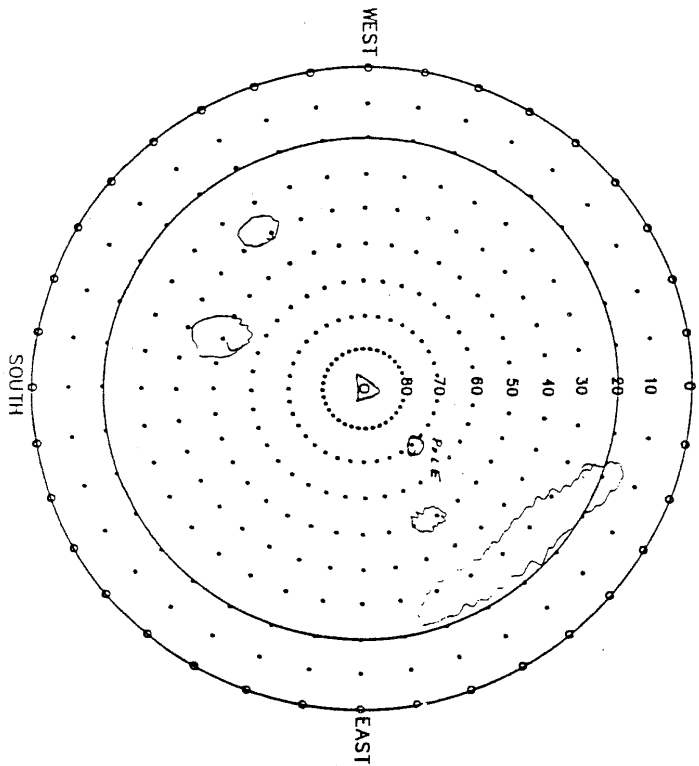
Station Name: LC68  
 Elevation 222.653 m 730.488 ft  
 Latitude (dms) 41 24 .91100  
 Longitude (dms) 82 7 53.61620  
 Easting (X) in meters 630809.032  
 Northing(Y) in meters 192574.884  
 Easting (X) in US Survey ft 2069579.299  
 Northing(Y) in US Survey ft 631806.097  
 Easting (X) in international ft 2069583.439  
 Northing(Y) in international ft 631807.361  
 Scale .99995595  
 Convergence (dms) 0 14 31.368  
 Y0 155578.907



WOOLPERT CONSULTANTS

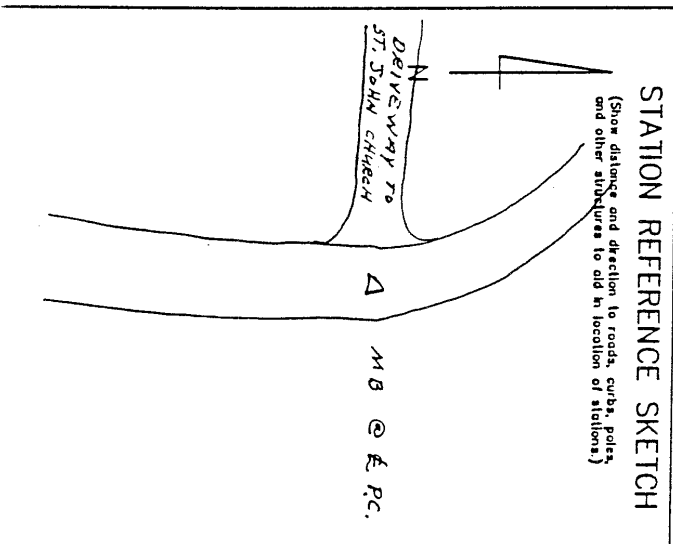
GPS STATION  
VISIBILITY DIAGRAM  
and  
REFERENCE SKETCH

Station Name: LC69  
 Elevation 213.493 m 700.436 ft  
 Latitude (dms) 41 23 15.27930  
 Longitude (dms) 82 6 15.92660  
 Easting (X) in meters 633084.520  
 Northing (Y) in meters 191177.143  
 Easting (X) in US Survey ft 2077044.797  
 Northing (Y) in US Survey ft 627220.342  
 Easting (X) in international ft 2077048.951  
 Northing (Y) in international ft 627221.596  
 Scale .99995469  
 Convergence (dms) 0 15 35.545  
 Y0 155578.907

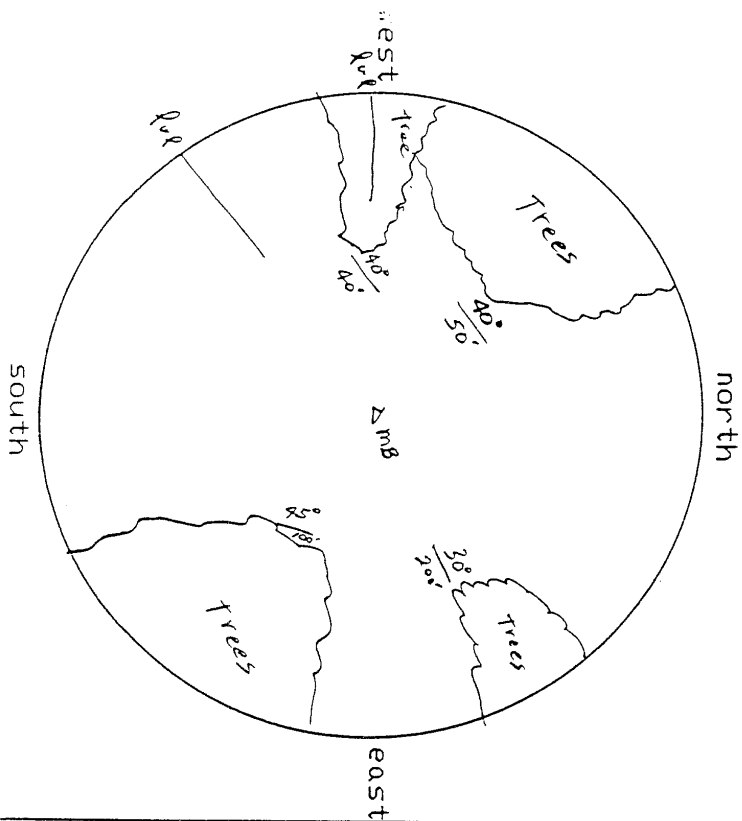


PROJECT LOBRYN Co.  
 ORDER# 30-51250-02  
 STATION NAME 69  
 LOCATION WEST BAY RD  
Bob's Motel E. 80  
 COMMENTS \_\_\_\_\_  
 DATE 5-28-89  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN. ELEV. \_\_\_\_\_  
 NOTE: Show the distance to the nearest edge of all obstructions exceeding 20'

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 USGS QUAD \_\_\_\_\_ LONG. \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 ELEV. \_\_\_\_\_



Station Name: LC70  
 Elevation 222.246 m 729.152 ft  
 Latitude (dms) 41 23 6.18620  
 Longitude (dms) 82 1 7.05540  
 Easting (X) in meters 640261.795  
 Northing(Y) in meters 190932.710  
 Easting (X) in US Survey ft 2100592.239  
 Northing(Y) in US Survey ft 626418.401  
 Easting (X) in international ft 2100596.440  
 Northing(Y) in international ft 626419.654  
 Scale .99995445  
 Convergence (dms) 0 18 58.458  
 Y0 155578.907



STATION LOCATION ME N 10  
 LOCATION SA 83 and  
 USGS QUAD Balmidge KA  
 LAT  
 LONG

NOTES: show the distance to the nearest edge of all obstructions exceeding 20'.

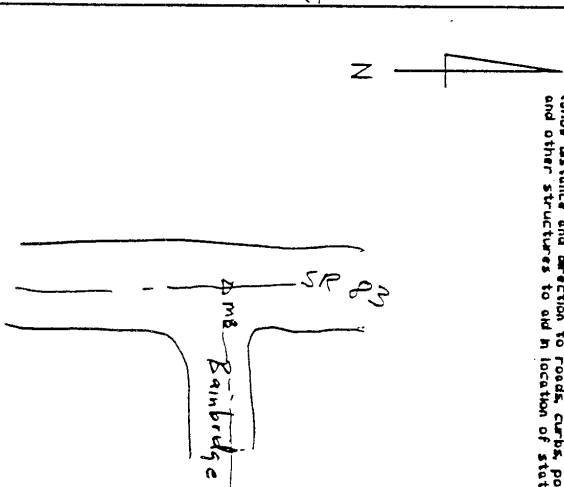
GPS STATION VISIBILITY DIAGRAM & REFERENCE SKETCH  
 DATE 4-20-89  
 MAP SCALE  
 MAP SHEET  
 OBSERVER JAK  
 OBSERVER'S HEIGHT FT IN

FINAL DATA RJD  
 STATE  
 SPCS ZONE  
 X(27)  
 Y(27)  
 X(83)  
 Y(83)  
 ELEV

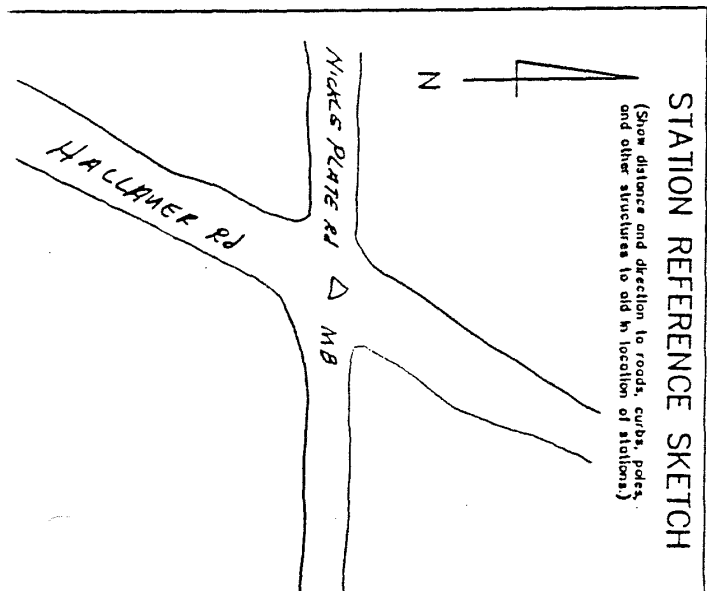
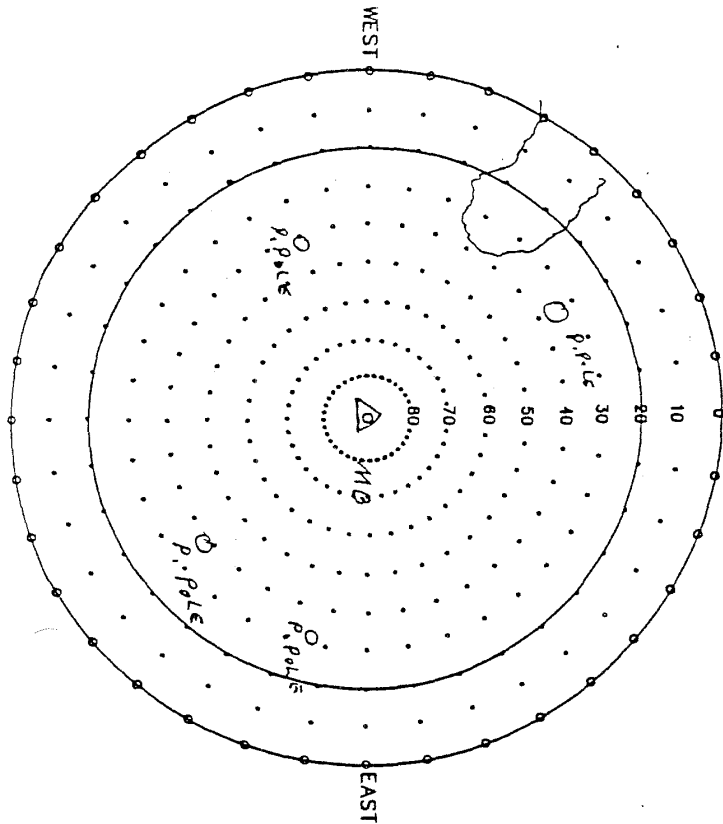
Lorain Co, Ohio 30-S-1250.

STATION REFERENCE SKETCH

(Show distance and direction to roads, curbs, pole and other structures to aid in location of station.)



Station Name: LC71  
 Elevation 242.546 m 795.754 ft  
 Latitude (dms) 41 15 54.97890  
 Longitude (dms) 82 12 8.64130  
 Easting (X) in meters 624936.526  
 Northing (Y) in meters 177562.049  
 Easting (X) in US Survey ft 2050312.586  
 Northing (Y) in US Survey ft 582551.489  
 Easting (X) in international ft 2050316.687  
 Northing (Y) in international ft 582552.654  
 Scale .99994507  
 Convergence (dms) 0 11 43.829  
 Y0 155578.907



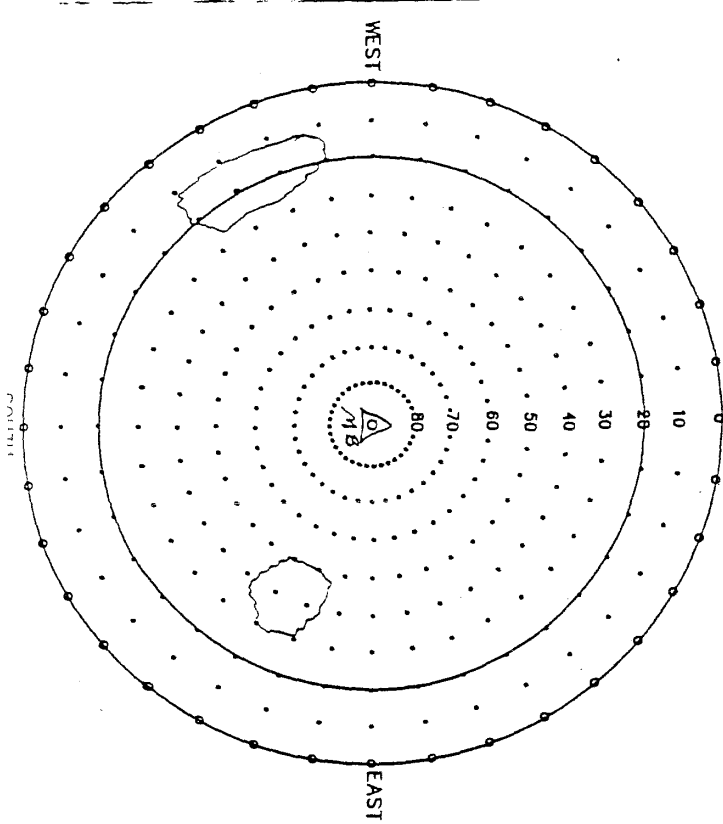
PROJECT LOBRIN CO.  
 ORDER# 30-31250-02  
 STATION NAME #71  
 LOCATION HALLAMER / NICKS  
PLATE Rd  
 COMMENTS \_\_\_\_\_  
 DATE 5-28-89  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN. ELEV. \_\_\_\_\_  
 WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 USGS QUAD \_\_\_\_\_ LONG. \_\_\_\_\_  
 LAT. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_

NOTE: Show the distance to the nearest edge of all  
 obstructions exceeding 20'

STATION REFERENCE SKETCH  
 (Show distance and direction to roads, curbs, poles,  
 and other structures to aid in location of stations.)



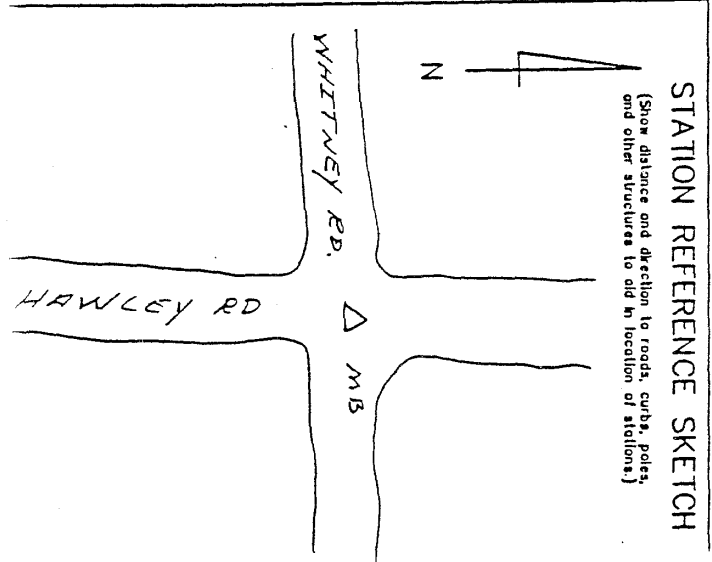
Station Name: LC72  
 Elevation 237.328 m 778.634 ft  
 Latitude (dms) 41 13 24.98860  
 Longitude (dms) 82 11 58.29010  
 Easting (X) in meters 625193.396  
 Northing(Y) in meters 172936.018  
 Easting (X) in US Survey ft 2051155.334  
 Northing(Y) in US Survey ft 567374.253  
 Easting (X) in international ft 2051159.437  
 Northing(Y) in international ft 567375.387  
 Scale .99994283  
 Convergence (dms) 0 11 50.630  
 Y0 155578.907



PROJECT LORAIN Co.  
 ORDER# 30-51250-02  
 STATION NAME # 72  
 LOCATION HAWLEY RD WHITNEY Rd.  
 COMMENTS \_\_\_\_\_  
 NOTE: Show the distance to the nearest edge of all obstructions exceeding 20'

WOOLPERT CONSULTANTS  
 GPS STATION  
 VISIBILITY DIAGRAM  
 and  
 REFERENCE SKETCH  
 DATE 5-22-89  
 MAP SHEET \_\_\_\_\_ SCALE \_\_\_\_\_  
 OBSERVER \_\_\_\_\_ HGT. \_\_\_\_\_ FT. \_\_\_\_\_ IN. ELEV. \_\_\_\_\_

USGS QUAD \_\_\_\_\_  
 LAT. \_\_\_\_\_ LONG. \_\_\_\_\_  
 STATE \_\_\_\_\_ SPCS ZONE \_\_\_\_\_  
 X(27) \_\_\_\_\_  
 Y(27) \_\_\_\_\_  
 X(83) \_\_\_\_\_  
 Y(83) \_\_\_\_\_



STATION REFERENCE SKETCH

