

J. W. McLAUGHLIN, P.E. 1910-1984
ROBERT C. McLAUGHLIN, R.L.S. 1940-1997
JERALD A. McLAUGHLIN, R.L.S.



SINCE 1938

CARL E. ALBREKTSSEN, R.L.S.
SCOTT A. McLAUGHLIN, P.S.M.
JOSEPH S. McLAUGHLIN, P.E.

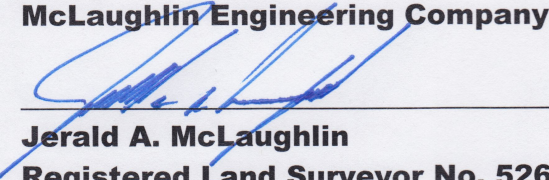
S U R V E Y I N G • P L A T T I N G • E N G I N E E R I N G • L A N D P L A N N I N G

SURVEYOR'S CERTIFICATE

I Jerald A. McLaughlin Registered Land Surveyor No. 5269, State of Florida, on behalf of McLaughlin Engineering Company certify as follows:

- 1) I have provided professional services to Bible Broadcasting Network, Permittee of WYBP, Fort Lauderdale, Florida during the installation of the WYBP directional antenna.**
- 2) I certify that the following methods were used to orient the WYBP-FM directional antenna to 20 degree Azimuth from Geodetic North as authorized in the construction permit.**
 - a) Random Project control points were measured on State Plane Coordinate System, Florida East Zone, NAD 83, utilizing a dual frequency GPS receiver.**
 - b) The center of the antenna support tower was tied into the random control points with a conventional Total Station.**
 - c) Additional control points were then set along the calculated 20 degree azimuth line, the furthest control point being distance of 302 feet from the tower.**
 - d) The Total Station was then moved to the new furthest control point and set to the 20 degree azimuth.**
 - e) The antenna crew then rotated the antenna around its support until the outermost points of the antenna lined up with the instrument.**
- 3) I further certify the accuracy of the Survey work is within a tolerance of 1 degree more or less.**

McLaughlin Engineering Company


Jerald A. McLaughlin
Registered Land Surveyor No. 5269
State of Florida

