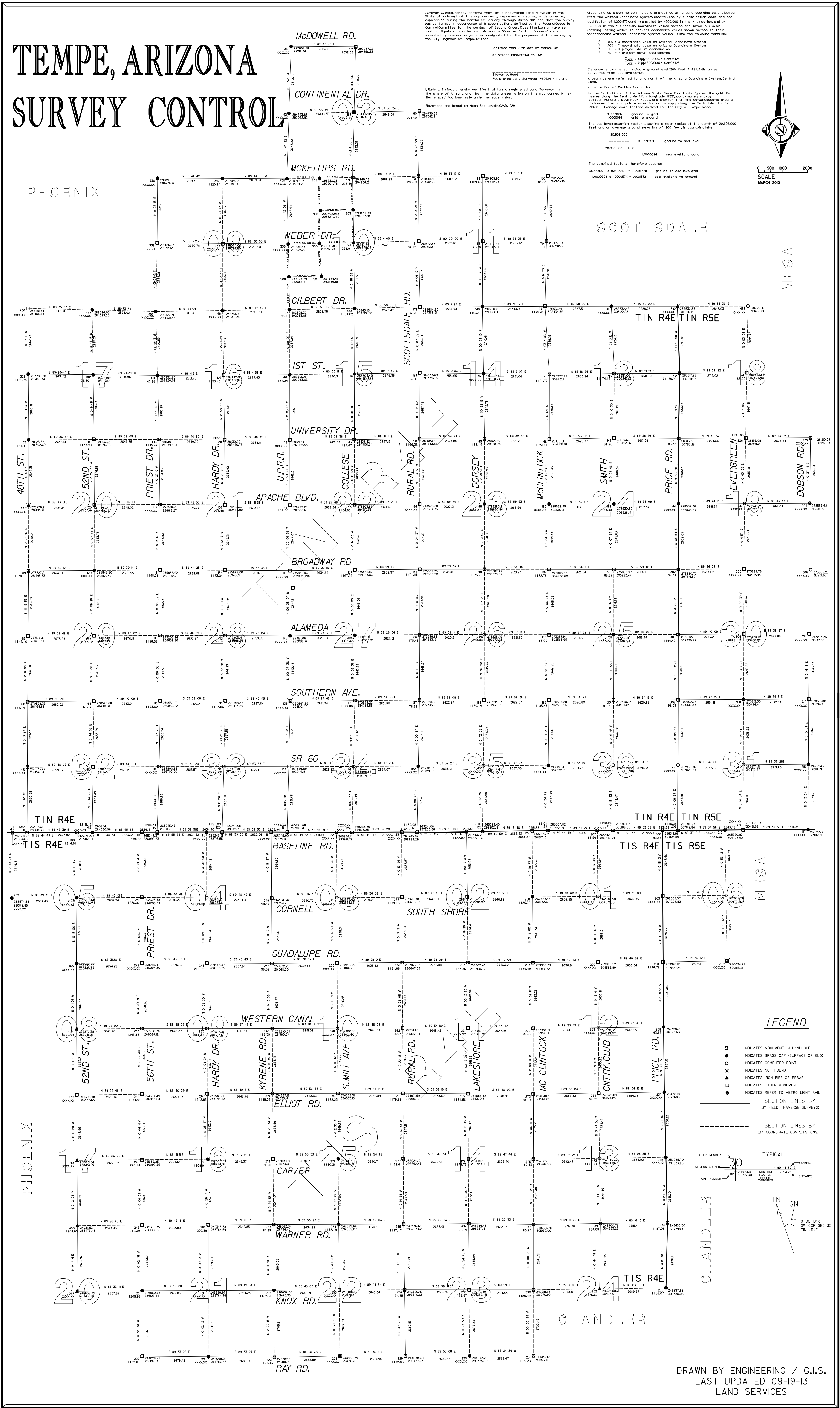


TEMPE, ARIZONA SURVEY CONTROL

PHOENIX

SCOTTSDALE

MESA



I, Steven A. Wood, hereby certify that I am a registered Land Surveyor in the State of Arizona and that this map correctly represents a survey made under my supervision during the months of January through March 2000 and that the survey was performed in accordance with specifications defined by the Federal Geodetic Control Commission for the contract of Second Order Class Interim traverse control. All points indicated on this map as 'Survey Station Corner' are duly cornered for common values, or as designated for the purposes of this survey by the City Engineer of Tempe, Arizona.

Certified this 23rd day of March, 2004

MD-STATES ENGINEERING CO., INC.

Steven A. Wood
Registered Land Surveyor #52324 - Indiana

L. Rudy J. Stralman, hereby certify that I am a registered Land Surveyor in the State of Arizona and that this map correctly represents a survey made under my supervision during the months of January through March 2000 and that the survey was performed in accordance with specifications defined by the Federal Geodetic Control Commission for the contract of Second Order Class Interim traverse control. All points indicated on this map as 'Survey Station Corner' are duly cornered for common values, or as designated for the purposes of this survey by the City Engineer of Tempe, Arizona.

Stationed on used on Mean Sea Level (MSL) 1029.789

All coordinates shown herein indicate project datum ground coordinates, projected from the Arizona Coordinate System, Central Zone, by a combination scale and sea level factor of 1.000000 and increased by 100,000 in the X direction and by 400,000 in the Y direction. Coordinate values shown herein are stated in 74.02' bearing/starting order. To convert coordinate values shown herein to true corresponding Arizona Coordinate System values, utilize the following formulas:

X ACS = X coordinate value on Arizona Coordinate System
 Y ACS = Y coordinate value on Arizona Coordinate System
 X PS = X project datum coordinates
 Y PS = Y project datum coordinates

$X_{ACS} = (X_{PS} - 200,000) + 0.999426$
 $Y_{ACS} = (Y_{PS} - 400,000) + 0.999426$

Distances shown herein indicate ground level (1000 feet A.M.S.L.) distances computed from sea level elevations.

All bearings are referred to grid north of the Arizona Coordinate System, Central Zone.

* Derivation of Combination Factors

In the Central Zone of the Arizona State Plane Coordinate System, the grid distances along the Central Meridian (longitude 111° 03' 00" West) between Rural and McKellips Roads are shorter than the corresponding ground distances. The appropriate scale factor to apply along the Central Meridian is 1/20,000. Average scale factors derived for the City of Tempe were:

0.999992 ground to grid
 1.000008 grid to ground

The sea level reduction factor, assuming a mean radius of the earth of 20,906,000 feet and an average ground elevation of 200 feet, is approximately:

1.000000 ground to sea level
 20.906000 sea level to ground

The combined factors therefore become:

0.999992 x 0.999426 = 0.999418 ground to sea level grid
 1.000008 x 1.000574 = 1.000582 sea level grid to ground



LEGEND

- INDICATES MONUMENT IN HANDHOLE
- INDICATES BRASS CAP (SURFACE OR GLO)
- INDICATES COMPUTED POINT
- INDICATES NOT FOUND
- INDICATES IRON PIPE OR REBAR
- INDICATES OTHER MONUMENT
- INDICATES REFER TO METRO LIGHT RAIL

SECTION LINES BY (BY FIELD TRAVERSE SURVEYS)

SECTION LINES BY (BY COORDINATE COMPUTATIONS)

SECTION NUMBER: 30

SECTION CORNER: 30

POINT NUMBER: 30

TYPICAL

BEARING: 0° 00' 18" R

DISTANCE: 3.00 DEC 35

TN GN

DRAWN BY ENGINEERING / G.I.S.
 LAST UPDATED 09-19-13
 LAND SERVICES