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**LEGEND**  
ON THIS MAP A LINE IS GENERALLY CONSIDERED AS BEING A MINIMUM OF 2.5 METERS (8 FEET) IN WIDTH

**ROADS**  
Divided highway with median strip  
Primary all-weather, hard surface  
Secondary all-weather, hard surface  
Light duty all-weather, hard or improved surface  
Fair or dry-weather, unimproved surface  
Trail

**BRIDGES**  
Overpass (Underpass)  
Highway bridge, fourbridge  
Railroad bridge

**RAILROADS**  
Standard gauge (4'8 1/2" = 1.43 m)  
Narrow gauge

**BOUNDARIES**  
International  
State  
County  
Corporate limits  
Reservations: Military, State or forest

**OTHER FEATURES**  
Buildings or structures  
Church, School  
Tanks, Windmill, windpump, Water mill  
Power transmission line  
Benchmarks: Monumented, Non-monumented  
Horizontal control point  
Spot elevations or meters: Checked (unchecked)  
Located object: Hidden  
Miscellaneous: Horizontal shaft, Vertical shaft, Quarry  
Levee, Cut, Fill  
Sand, Swamp  
Woodland, Scrub  
Scattered trees, Orchard  
Dry lake  
Intermittent stream  
Dam, Masonry, Earthen  
Intermittent lake  
Spring, Well  
Falls, Large, Small

Scale 1:50,000

1000 500 0 1000 2000 3000 4000 5000 Meters  
1000 500 0 1000 2000 3000 4000 5000 Yards  
1 1/2 2 3 Statute Miles  
1 Nautical Miles

**ELEVATIONS IN METERS**  
CONTOUR INTERVAL 20 METERS  
SUPPLEMENTARY CONTOURS 10 METERS

**GRID**  
SPHEROID: CLARE 1866  
GRID: 1,000 METER, UTM ZONE 13  
PROJECTION: TRANSVERSE MERCATOR  
VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929  
HORIZONTAL DATUM: 1927 NORTH AMERICAN DATUM  
CONTROL BY: USGS, NOS, NOAA, AND CE  
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**100 METER REFERENCE**  
1. Read large numbers labeling the VERTICAL grid line (M) at point and estimate length (100 meters) from grid line to point. Example: 123456  
2. Read large numbers labeling the HORIZONTAL grid line below point and estimate length (100 meters) from grid line to the point. Example: 123456  
Example: 123456

**WHEN REPORTING ACROSS A 100,000 METER LINE:** PREFIX THE 100,000 METER SQUARE IDENTIFICATION, IN WHICH THE POINT LIES.  
Example: CF123456

**WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA:** PREFIX THE GRID ZONE DESIGNATION.  
Example: 13SCF123456

**ELEVATION GUIDE**

**ADJOINING SHEETS**

4649 III	4649 II	4749 III
4648 IV	4648 I	4748 IV
4648 III	4648 II	4748 III

**BOUNDARIES**  
DOÑA ANA COUNTY

**GRID CONVERGENCE**  
0°52' (15 MILES) FOR CENTER OF SHEET

**TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH ADD G-M ANGLE**  
TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH SUBTRACT G-M ANGLE

1975 G-M ANGLE 121° (220 MILES)

**THIS MAP IS RED-LIGHT READABLE**

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