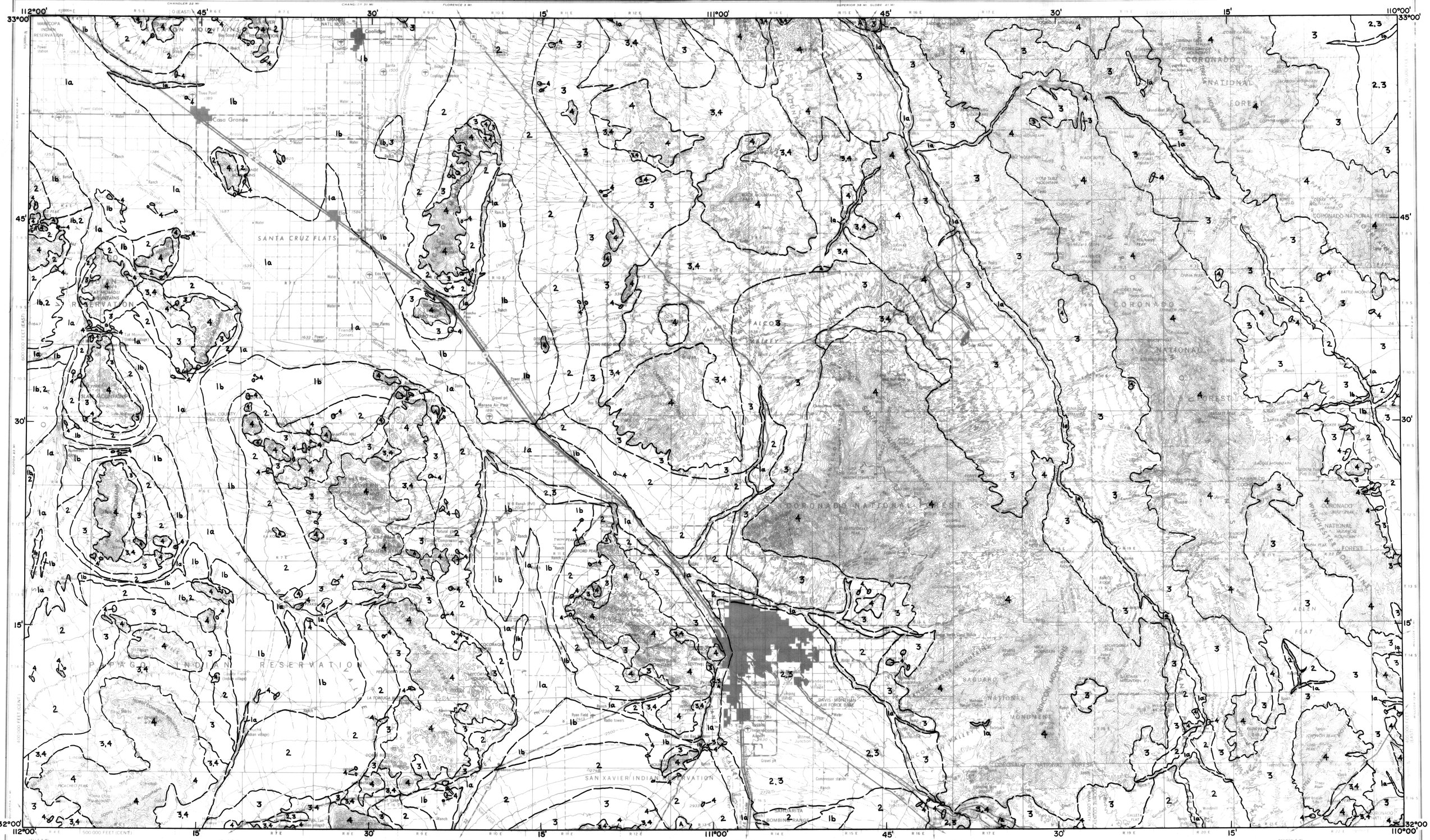
Phases 4 & 5

TUCSON

EASE OF EXCAVATION and POTENTIAL ERODIBILITY



Prepared by the Army Map Service (KCSX), Corps of Engineers, U.S. Army, Washington, D.C., compiled in 1957 by photogrammetric methods and from USGS and AMS quadrangles 1:24,000, 1:25,000, 1:50,000 and 1:62,500, 1952-1967. Planimetric detail revised by photo planimetric methods. Horizontal and vertical control by USGS, USC&GS, and USCE. Photography flown annotated 1956. Limited revision by U.S. Geological Survey 1962.

100,000-foot grids based on Arizona coordinate system, east and central zones.

10,000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue.

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES
- Over 500,000 — LOS ANGELES
- 100,000 to 500,000 — OMAHA, GALVESTON
- 25,000 to 100,000 — Laramie
- 5,000 to 25,000 — Grand Cauhe
- 1,000 to 5,000 — Sun Valley
- Less than 1,000

RAILROADS
- Standard gauge
- Narrow gauge

BOUNDARIES
- International
- State
- County
- Park or reservation

ROADS
- Hard surface, heavy duty — 3 LANES | 4 LANES
- More than two lanes wide
- Two lanes wide; Federal route marker
- Hard surface, medium duty — 3 LANES | 4 LANES
- More than two lanes wide
- Two lanes wide; State, Interstate route markers
- Improved light duty
- Unimproved dirt
- Trail

Landmarks: School; Church; Other
Horizontal control point; Windmill
Spot elevation in feet — 221
Marsh or swamp
Intermittent or dry stream
Power line
Landing airport
Landing area
Seaplane airport
Seaplane anchorage
Woods-brushwood

0 5 10 15 20 25 Statute Miles

0 5 10 15 20 25 30 35 Kilometers

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS

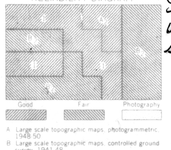
TRANSVERSE MERCATOR PROJECTION

MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 13° 45' EASTERLY FOR THE CENTER OF THE WEST EDGE TO 13° 30' EASTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE 15.0' 03" WESTERLY

STATE OF ARIZONA
BUREAU OF GEOLOGY
AND MINERAL TECHNOLOGY
OPEN-FILE REPORT
83-3

LOCATION DIAGRAM FOR NI 12-11

RELIABILITY DIAGRAM



A. Large scale topographic maps, photogrammetric 1948-50.
B. Large scale topographic maps, controlled ground survey, 1941-48.
1. Stereo-compiled from 1956 aerial photography
2. Planimetry revised from 1956 aerial photography

Interpreted from Landsat-1 imagery, with much ground control from field observations, by Roger B. Morrison, 1975.

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

19	20	21	22	23	24		
30	29	28	27	26	25		
31	32	33	34	35	36		

TUCSON, ARIZONA

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1967