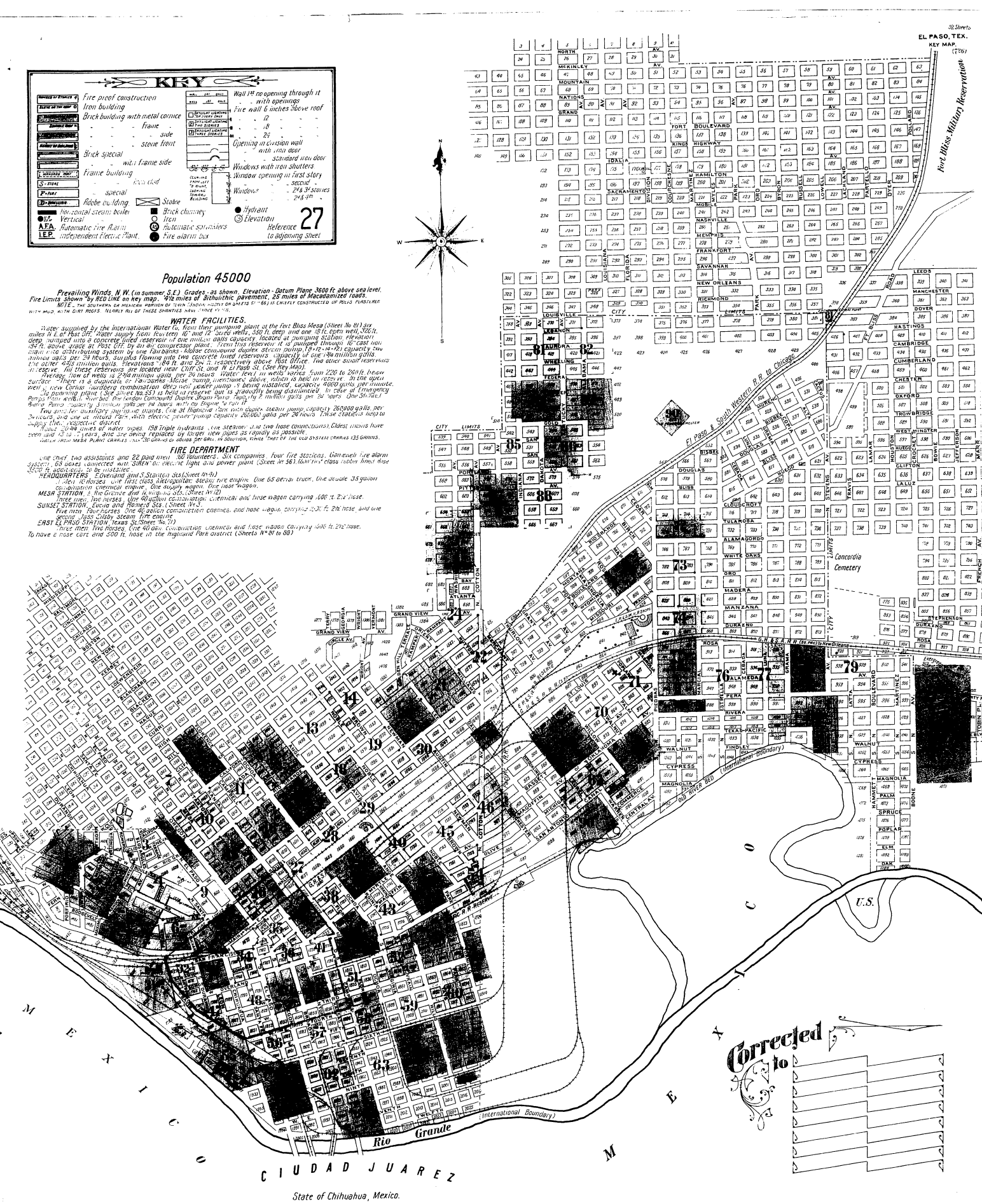
KEY
Fire proof construction
Iron building
Brick building with metal cornice
" " frame "
" " side "
" " stone front
Brick special
" " with frame side
" " iron clad
Frame building
" " special
Adobe building
Stable
Horizontal steam boiler
Vertical "
A.F.A. Automatic fire alarm
I.E.P. Independent Electric Plant
Wall 1st no opening through it
" " with openings
Five wall 6 inches above roof
" " 12 " "
" " 18 " "
" " 24 " "
Opening in division wall
" " with iron door
" " standard iron door
Windows with iron shutters
Window opening in first story
" " second "
Windows 24 & 34 stories
" " 24 & 40 "
Brick chimney
Iron "
Automatic sprinklers
Fire alarm box
Hydrant
Elevation
27
Reference to adjoining sheet
Population 45000
Prevailing Winds, N.W. (in summer S.E.) Grades - as shown. Elevation - Datum Plane 3600 ft. above sea level.
Fire Limits shown by RED LINE on key map. 4½ miles of Bithulithic pavement, 25 miles of Macadamized roads.
NOTE - THE SOUTHERN OR MEXICAN PORTION OF TOWN SHOWN MOSTLY ON SHEETS 81 TO 86 IS CHIEFLY CONSTRUCTED OF ADOBE PLASTERED WITH MUD, WITH DIRT ROOFS. NEARLY ALL OF THESE SHANTIES HAVE NO YARDS.
WATER FACILITIES.
Water supplied by the International Water Co. from their pumping plant at the Fort Bliss Mesa (Sheet No 81) six miles N.E. of Post Off. Water supply from fourteen 16" and 12" bored wells, 550 ft. deep and one 18 ft. open well, 326 ft. deep, pumped into a concrete lined reservoir of one million galls capacity, located at pumping station, elevation 364 ft. above grade at Post Off. by an 8" cast iron main into distributing system by one Fairbanks Morse compound duplex steam pump (8"x12"x14"x12") capacity two million galls per 24 hours, surplus flowing into two concrete lined reservoirs capacity of one million galls each, the other 4½ million galls. Elevations - 84 ft. and 94 ft. respectively above Post Office. Two other small reservoirs in reserve, all these reservoirs are located near Cliff St. and N. El Paso St. (See Key Map).
Average flow of wells is 2½ million galls. per 24 hours. Water level in wells varies from 220 to 260 ft. below surface. There is a duplicate of Fairbanks Morse pump, mentioned above, which is held in reserve. In the open pumping plant (See Sheet No. 85) is held in reserve but is gradually being dismantled to clear at Emergency Pumps from which is installed the Worthington Compound Duplex Steam Pump, capacity 2 million galls per 24 hours. One Standard Duplex Pump capacity 3 million galls per 24 hours with no engine to run it.
Two smaller auxiliary pumping plants, One at Highland Park with duplex steam pump capacity 2600000 galls. per 24 hours and one at Hotel Park, with electric power pump capacity 2600000 galls per 24 hours. These stations help to supply their respective district.
About 20.94 miles of water pipes. 158 Triple hydrants (one steamer and two hose connections). Oldest mains have been laid 13 to 15 years, and are being replaced by larger new pipes as rapidly as possible.
Water from MESA PLANT carries 130 grains of solids per GAL. in solution, while that of the OLD SYSTEM carries 135 grains.
FIRE DEPARTMENT
One chief, two assistants and 22 paid men. 108 Volunteers. Six companies. Four fire stations. Gamewell fire alarm system, 68 boxes connected with SIREN" on electric light and power plant. (Sheet No 56). Eight first class hubbs hotel hose 1500 ft. each kept, to be installed.
HEADQUARTERS. E. Overland and S. Stanton Sts. (Sheet No 4)
Seven (7) horses. One first class Metropolitan Steam fire engine. One 65 Gallon truck. One double 35 gallon combination chemical engine. One supply wagon. One hose wagon.
MESA STATION. E. Rio Grande and N. Virginia Sts. (Sheet No 12)
Three men. Two horses. One 40 gallon combination chemical and hose wagon carrying 1000 ft. 2½" hose.
SUNSET STATION. Lucia and Richard Sts. (Sheet No 3)
Five men. Four horses. One 40 gallon combination chemical and hose wagon, carrying 1000 ft. 2½" hose, and one second class Cisby Steam fire engine.
EAST EL PASO STATION. Texas St. (Sheet No. 71)
Three men. Two horses. One 60 Gallon combination chemical and hose wagon carrying 1000 ft. 2½" hose.
To have a hose cart and 500 ft. hose in the Highland Park district (Sheets N° 81 to 86)
EL PASO, TEX.
KEY MAP.
(1911)
Fort Bliss Military Reservation
El Paso & South Western R.R. to Chicago
Concordia Cemetery
(International Boundary)
Old River Bed
Rio Grande
(International Boundary)
MEXICO
CIUDAD JUAREZ
State of Chihuahua, Mexico.
Corrected to