The testing structures (fig. 15, MC67–5732) at Marshall consist of static firing rocket test stands for flight readiness as well as development testing; dynamic test stands to determine compatibility of complete vehicles with their vibration environment; cold flow stands for development of vehicle fluid flow systems; ground support equipment testing apparatus; acoustic and structural testing positions.

An example of flexibility in facility application is the construction of a zero gravity drop test tower in an existing dynamic test tower (fig. 16, MC67–5733) which was built for the Saturn program. These modifications do not compromise the ability of the dynamic stands to do vibration testing on future vehicle payloads combinations such as Voyager.

Experience in the Saturn program has proved the importance of development and testing of the launch tower systems and their interface with the vehicle.

Marshall's high bay spaces with massive access doors, environmental control, and sensitively controlled high capacity cranes can be used in any aerospace program requiring stations for work on large hardware items (fig. 17, MC67–5730).

Mr. GURNEY. Mr. Chairman.

Mr. TEAGUE. Mr. Gurney.

Mr. GURNEY. Why are we building this off-site access road? Why are the governmental authorities building this road?

Mr. LILLY. Is this at Houston?

1ST STAGE SATURN V
AND F-1 TEST STANDS - MSFC

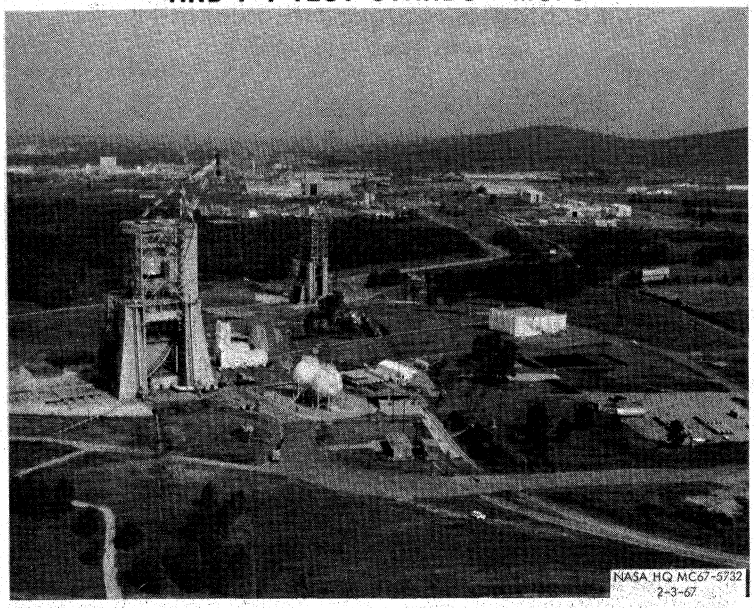

FIGURE 15