

STORM SEWER SYSTEM

Western State Hospital has approximately 12,000 linear feet of storm sewer pipe ranging in size from 6" to 60" in diameter. The system was installed in various stages between 1950, when the first building was constructed on the new site and 1983 when the last building was constructed on the new site.

The entire system is gravity flow and is constructed of cast iron and concrete pipe. The depth to which the lines are buried range between three feet and 10 feet. From the hospital entrance on Route 250, to the road leading to building 100, are three short sections of storm drain, which connect to head walls and empty into the flat area west of the driveway. From the driveway to building 100 around the road the system consists of concrete pipe which originally emptied into an open ditch between buildings 122 and 124. In 1981, a 60" concrete line was placed between the road west of the Administration Building 124 and the road east of building 122, Medical Center. This was done to eliminate swampy areas for the safety of hospital residents to correct unsanitary conditions and to enable us to improve the appearance of the hospital grounds.

At that time, the storm drain from building 124 was connected to the 60" line. In 1981, a 60" line was placed from the road west of the Administration Building 124 to the pines near the west property line of the hospital. The storm drain from the parking lot west of the Administration Building was connected to the 60" pipe. This line was also placed to eliminate swampy areas for the safety of hospital residents and to enable us to improve the appearance of the hospital grounds.

Some of the other buildings and street drop inlets also connect to this system. In 1984, two 48" pipes were installed from the road east of building 122 and extended for approximately 220 linear feet south of building 127, Administrative Services. This line was also installed to eliminate swampy areas for the safety of hospital residents and to enable us to improve the appearance of the hospital grounds. From the ends of the two 48" pipes, the storm drain empties into an open ditch and continues to flow east past the pumping station to the property line at I-81.

The remainder of the driveway drop inlets and the storm drain from the remainder of the buildings connects to the 36" concrete storm drain which flows east by the north end of building 113, continuing past the north end of building 116 to an open ditch which continues to the north property line.

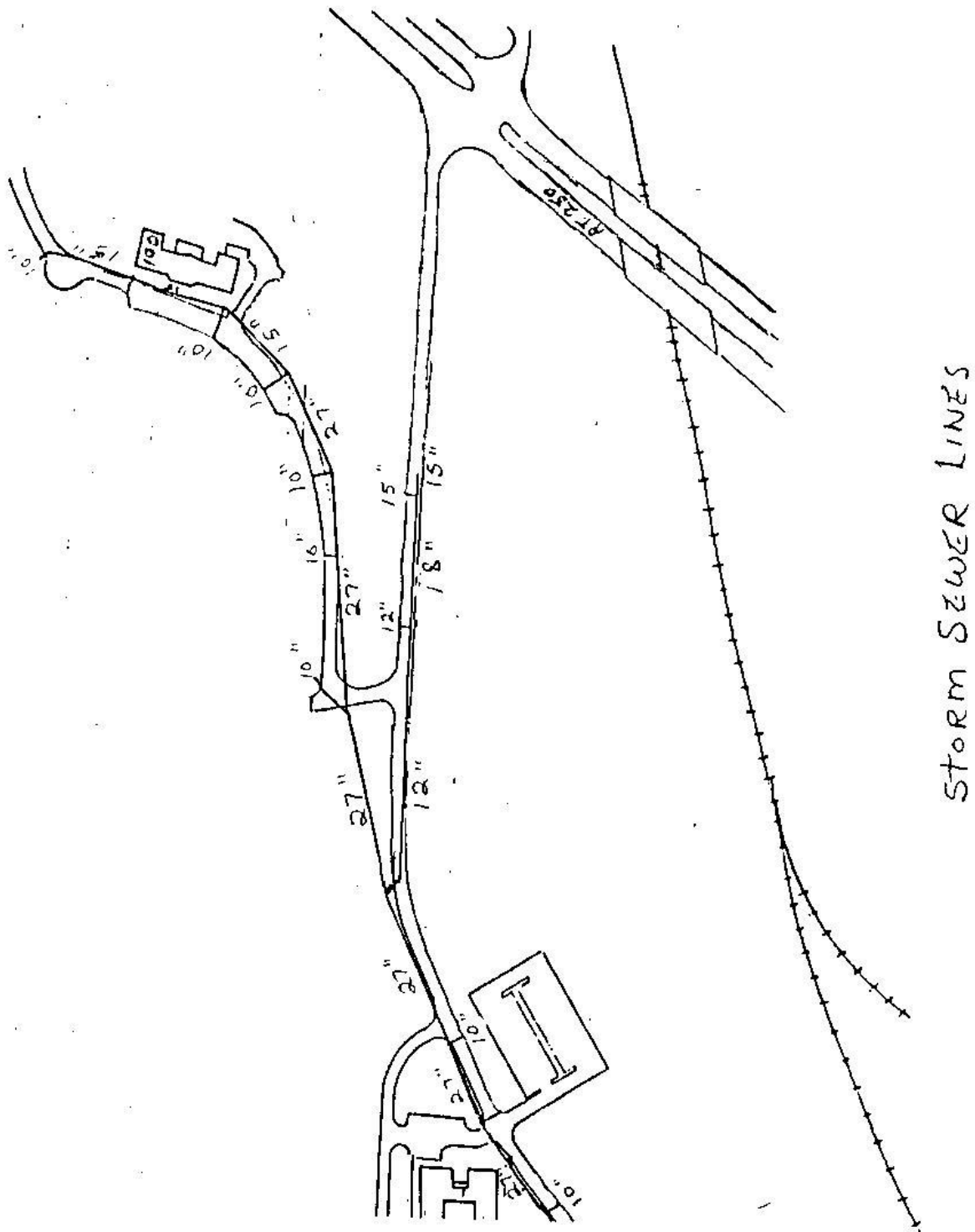
When building 126, Physical Plant Services/Materiel's Management was built, the storm drain was connected to the 36" concrete storm drain; however, there was concern that this would overload the system, so across the road, north of building 125 a temporary collection pond was constructed to take care of the overflow which would run back into the system as the flow dropped.

In the future, when the roads are repaved, the drop inlets from the streets will have to be adjusted accordingly to provide a smooth surface. Future plans should include continuing storm sewer lines to the property line at I-81 and the north property line, which adjoins the Massey farm. This should be done for the safety of the residents at Western State Hospital.

With the above-mentioned improvements to the storm sewer system, the system should be adequate for the foreseeable future, as there is no planned expansion for the facility.

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The locations of the storm sewer lines can be found on prints dated July 18, 1973, Job #706-S-70-1 in Physical Plant Services.



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