

RESOLUTION NO. 90-84

**A RESOLUTION OF THE CITY COUNCIL
OF THE CITY OF PASO ROBLES
ADOPTING REVISED STORM DRAINAGE
DETENTION BASIN DESIGN STANDARDS**

WHEREAS, the design standards for a drainage detention basin have been modified in accordance with the City Council approval on June 6, 1989 for the basin design in Tract 1632; and

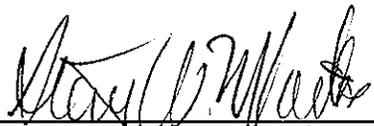
WHEREAS, the revisions include the requirements for park use of the basin by means of contoured grading and landscaping, and allows an increase in the maximum water depth from two feet to four feet. The previous provisions for a deep fenced unlandscaped basin have been eliminated.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

Section 1. That the City Council of the City of Paso Robles adopts the revised storm drainage detention basin design standards.

PASSED AND ADOPTED by the City Council of the City of Paso Robles, this 15th day of May, 1990, on the following vote:

AYES:	Russell, Cousins, Conway and Martin
NOES:	None
ABSENT:	Reneau



Steven W. Martin, Mayor

ATTEST:



Jerry Bankston, City Clerk

7. **Storm Water Storage Basin**

a. Detention Basin - A detention basin shall be used to retard the rate of storm water flow from the site by temporarily storing the increase in runoff resulting from development.

The storage volume shall detain the difference in accumulated runoff as calculated for the site in the undeveloped condition as compared to the fully developed.

The basin shall have a minimum freeboard of two feet for the 10-year runoff and the depth of the 100-year runoff shall be contained and/or discharged without causing damage to the adjacent property.

The outlet pipe or channel shall be designed to convey the 10-year storm peak runoff, and an overflow area shall be provided for discharges in excess of the 100-year design storm. The capacity of the downstream channel and culverts shall be taken into consideration in the sizing of the outlet pipe.

b. Retention Basin - A retention basin shall be used to store the storm water runoff from the site when there is no drainage way available, and when the City has determined that a storm drain outflow system is impractical.

The storage volume shall retain the 10-year storm runoff with two feet of freeboard, and the 100-year runoff shall be contained without causing damage to the adjacent property.

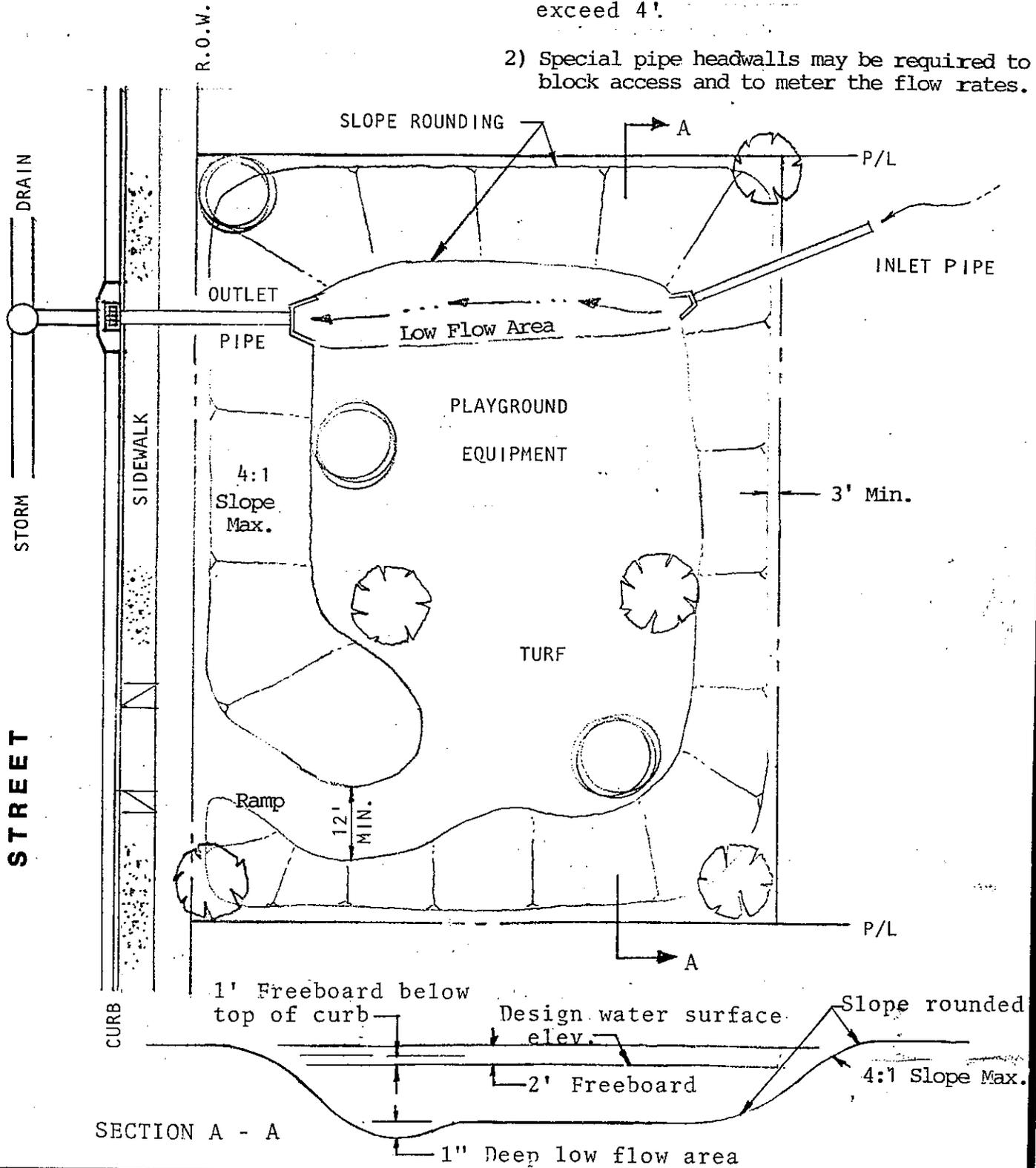
c. Landscaped Basins - The typical requirements for a drainage basin shall include a maximum of 4:1 sideslopes with contoured slope rounding for an aesthetic appearance, and a maximum ponded depth of four feet.

Ramps shall be provided for equipment and pedestrian access, and the basin floor shall have a low flow area to convey nuisance drainage flows.

The basin shall be designed as a multi-purpose recreational facility and landscaped accordingly.

Note: 1) Maximum ponded depth shall not exceed 4'.

2) Special pipe headwalls may be required to block access and to meter the flow rates.



SECTION A - A

APPROVED <u>By City Council</u> DATE <u>5/90</u>	
REVISIONS	APPR. DATE

CITY OF PASO ROBLES
ENGINEERING DEPT.
LANDSCAPED DRAINAGE BASIN
 STANDARD DRAWING NO. **E-8**