

Project 18 Techny Drain Basin Expansion



Techny Drain Basin



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**PROJECT 18
TECHNY DRAIN BASIN EXPANSION**

Statement of Conditions:

The basin at Glenbrook North High School was constructed during 2003 as part of Phase 1 of the Techny Drain Stormwater Management Plan. The basin provides attenuation of peak flows in Techny Drain. The Techny plan benefits properties within the Techny Drain Floodplain by reducing their flooding risk potential. The Village and School District 225 have discussed partnering to enlarge the basin by 6+ acre-feet, by reshaping and expanding its boundaries onto school property as part of the District's athletic field synthetic turf improvement project.

Problem Identification:

Street, front yard, back yard and structure flooding

Recommended Plan:

Continue partnering coordination with School District 225 to provide 2.5± acre-feet of detention beyond requirements for athletic field improvements

Estimated Total Cost	Construction Cost	Property Cost	Engineering Cost	B/C Ratio	Optimum Protection
\$268,000	\$233,000	N/A	\$35,000	0.16	10-yr

