

Project 1

Wescott Park Storage



Wescott Park



Northwest Corner of
Wescott Park



Wescott Park along
Farnsworth Lane

PROJECT 1 WESCOTT PARK STORAGE

Statement of Conditions:

This area is served by a 40-50 year old drainage system (Northbrook Park Subdivision, 1946; Sunset Fields Subdivision, May 1955-December 1967) that was intended to carry low flows based upon older, less stringent design standards. The system's conveyance capacity is likely limited to handling runoff from the 5-year storm event. Inspection of historic topographic flood maps indicates that as the previously farmed land was developed, overland flow routes were partially replaced with storm sewers. The areas that currently flood correspond closely to the areas that flooded prior to development. Flood flows that exceed the storm sewer capacity pond to depths such that streets are closed and property flooding occurs.

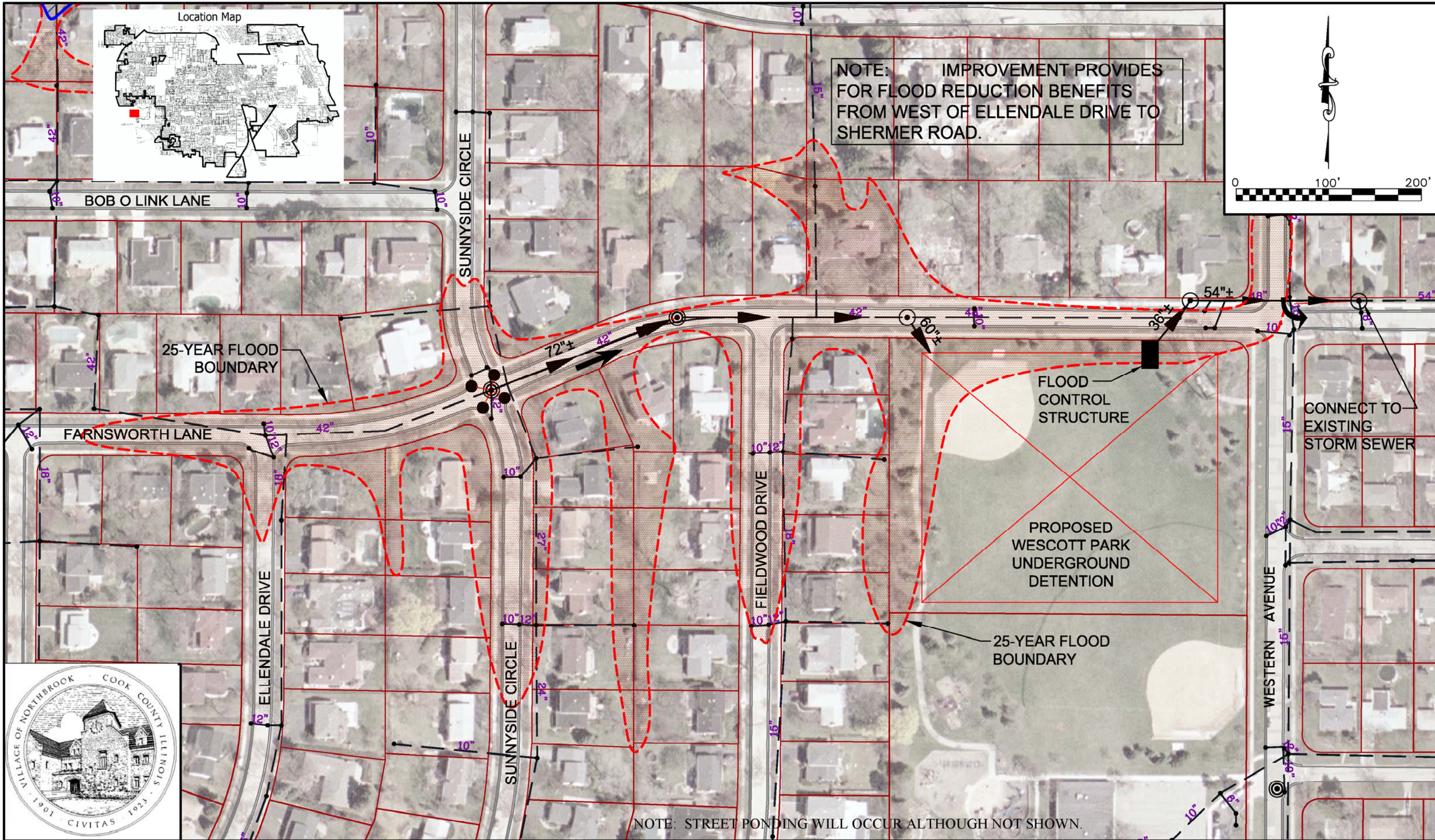
Problem Identification:

Street, front yard, back yard and structure flooding

Recommended Plan:

- Construct 20± acre-foot underground stormwater detention facility on Wescott Park property
- Construct large diameter storm sewer on Farnsworth Lane from Sunnyside Circle to Wescott Park to increase conveyance

Estimated Total Cost	Construction Cost	Property Cost	Engineering Cost	B/C Ratio	Optimum Protection
\$8,200,000	\$7,100,000	N/A	\$1,100,000	0.33	25-yr



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