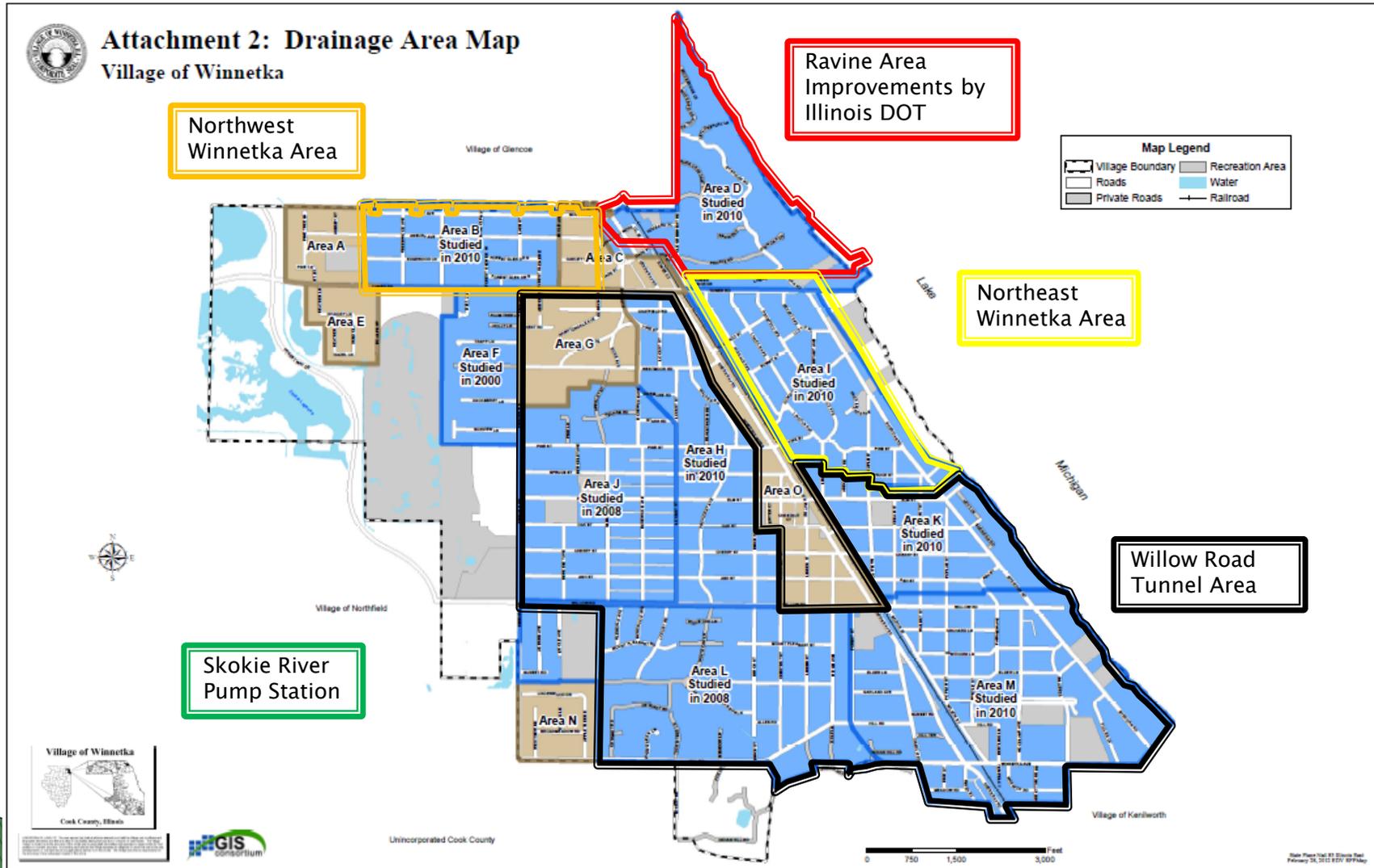


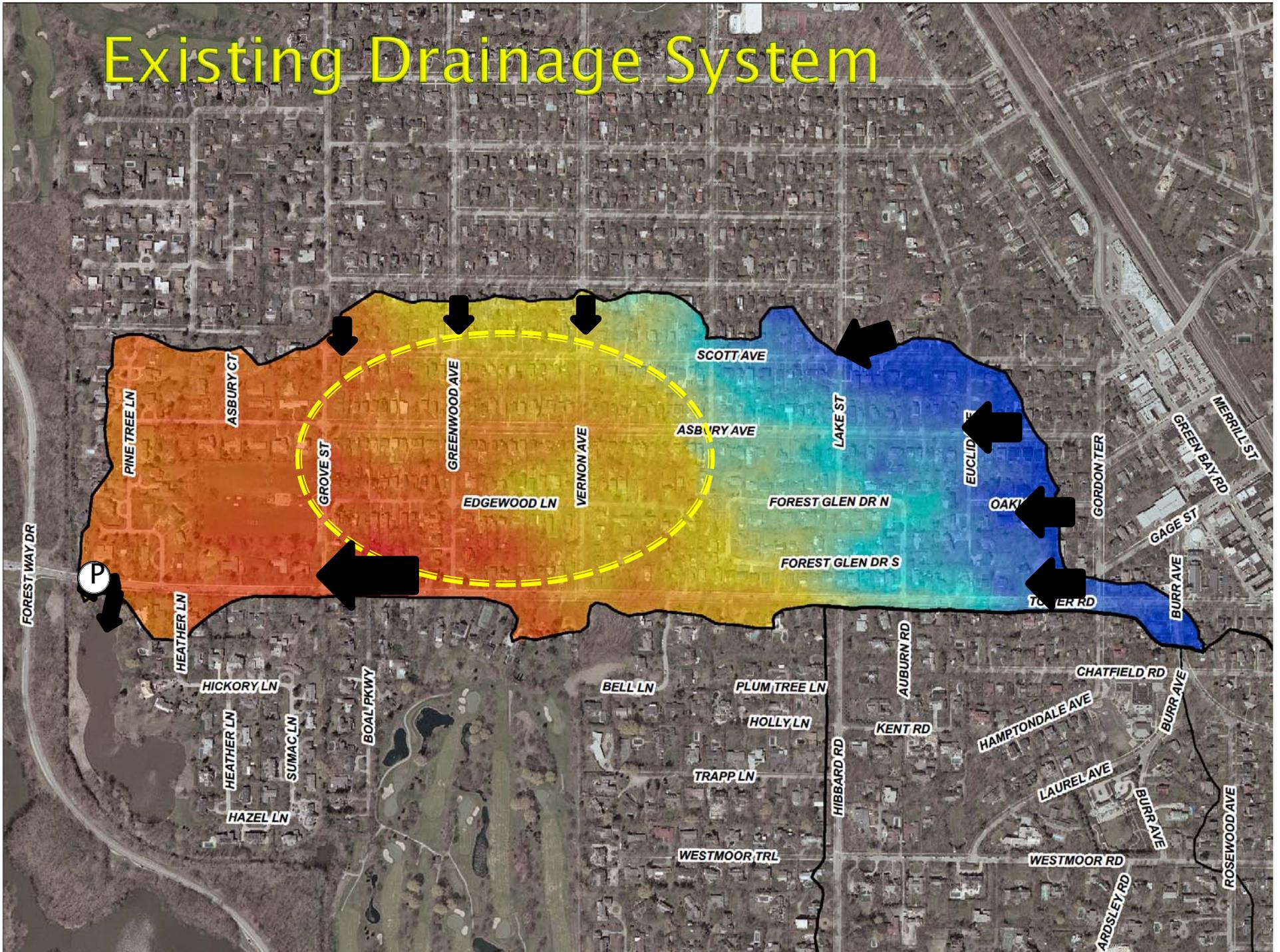
Northwest Winnetka Stormwater Improvements

Proposed Bid Award
November 6, 2014

Village Drainage Projects



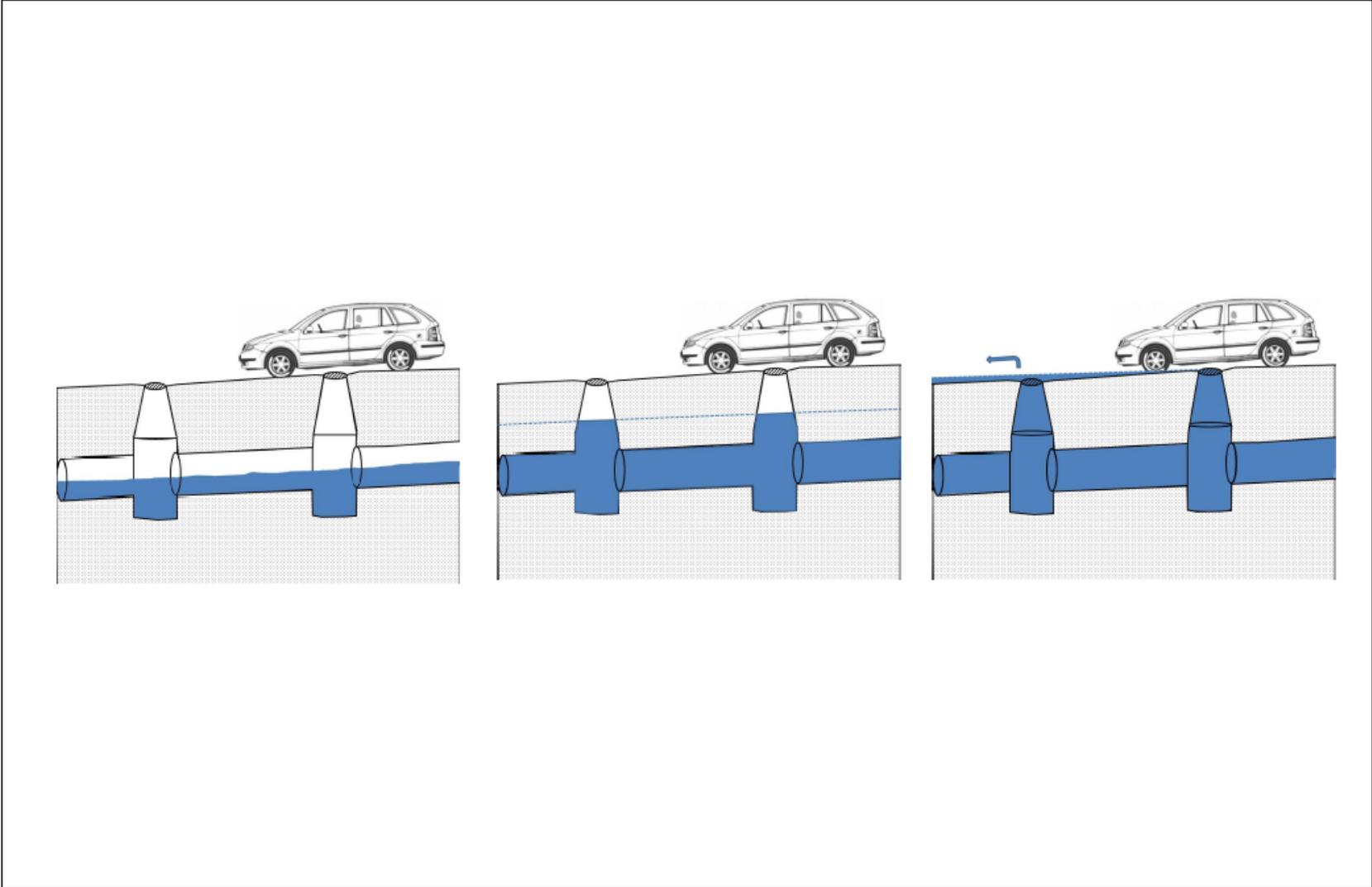
Existing Drainage System



Project Goals

- ▶ Provide 100-year flood risk reduction for structural flooding
- ▶ Reduce duration and severity of area and street flooding
- ▶ Maximize use of existing detention facility to mitigate downstream impacts on East Diversion Ditch
- ▶ Restore banks and native vegetation in pond to manage water quality

Hydraulic Grade Line (HGL)



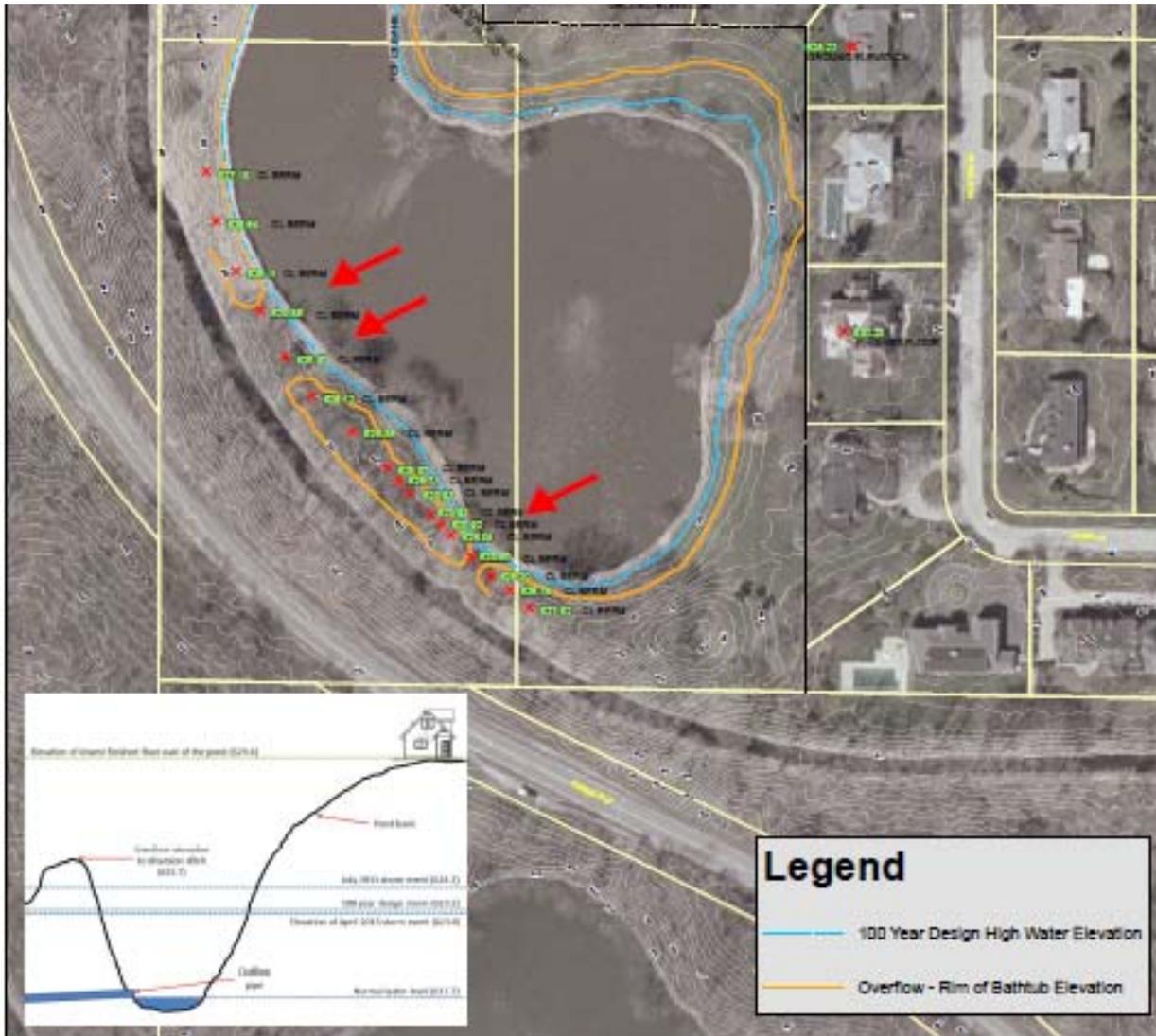
Proposed Improvements



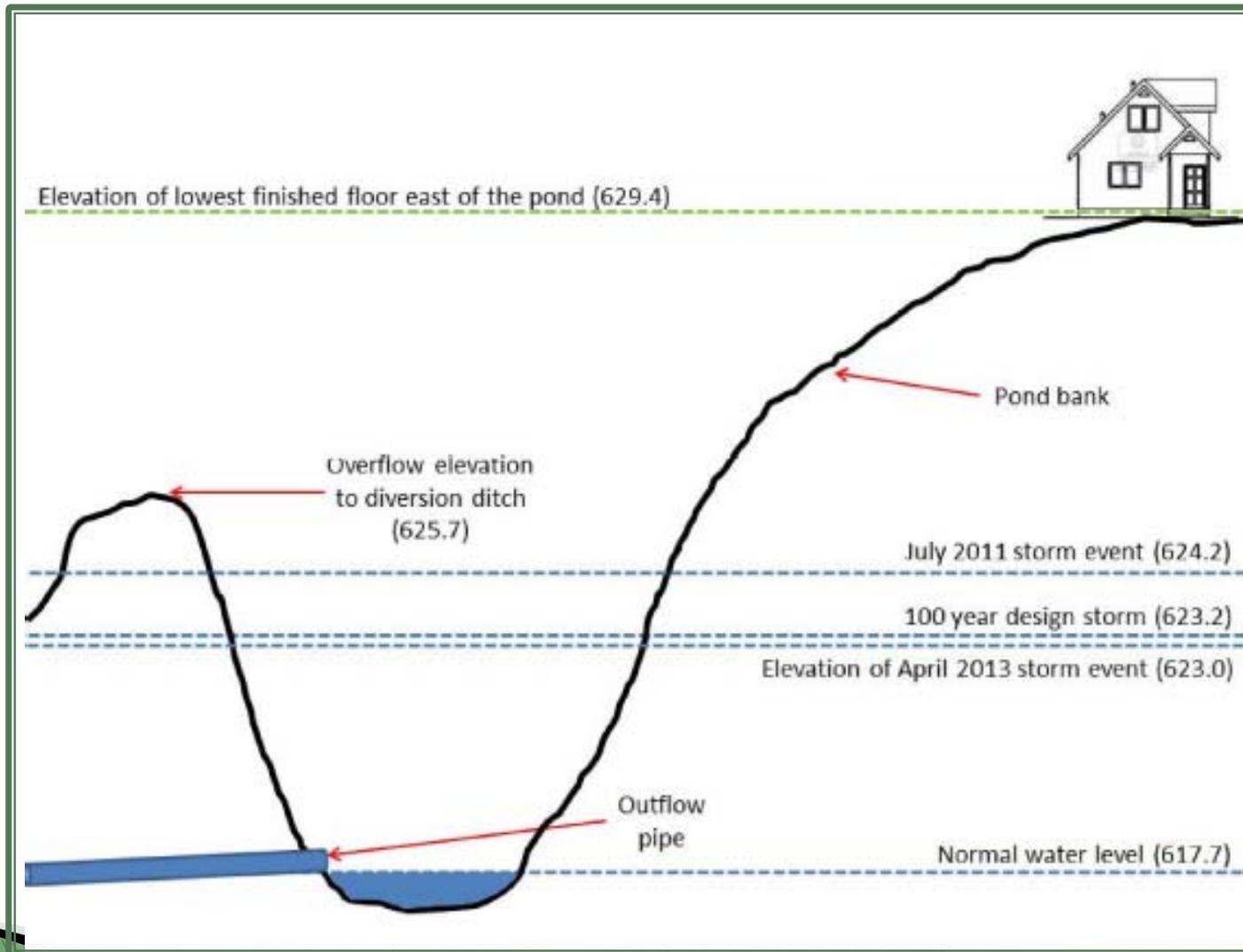
Pond Survey and Elevations



Pond Survey and Elevations



Pond Survey and Elevations



Watershed of East Diversion Ditch



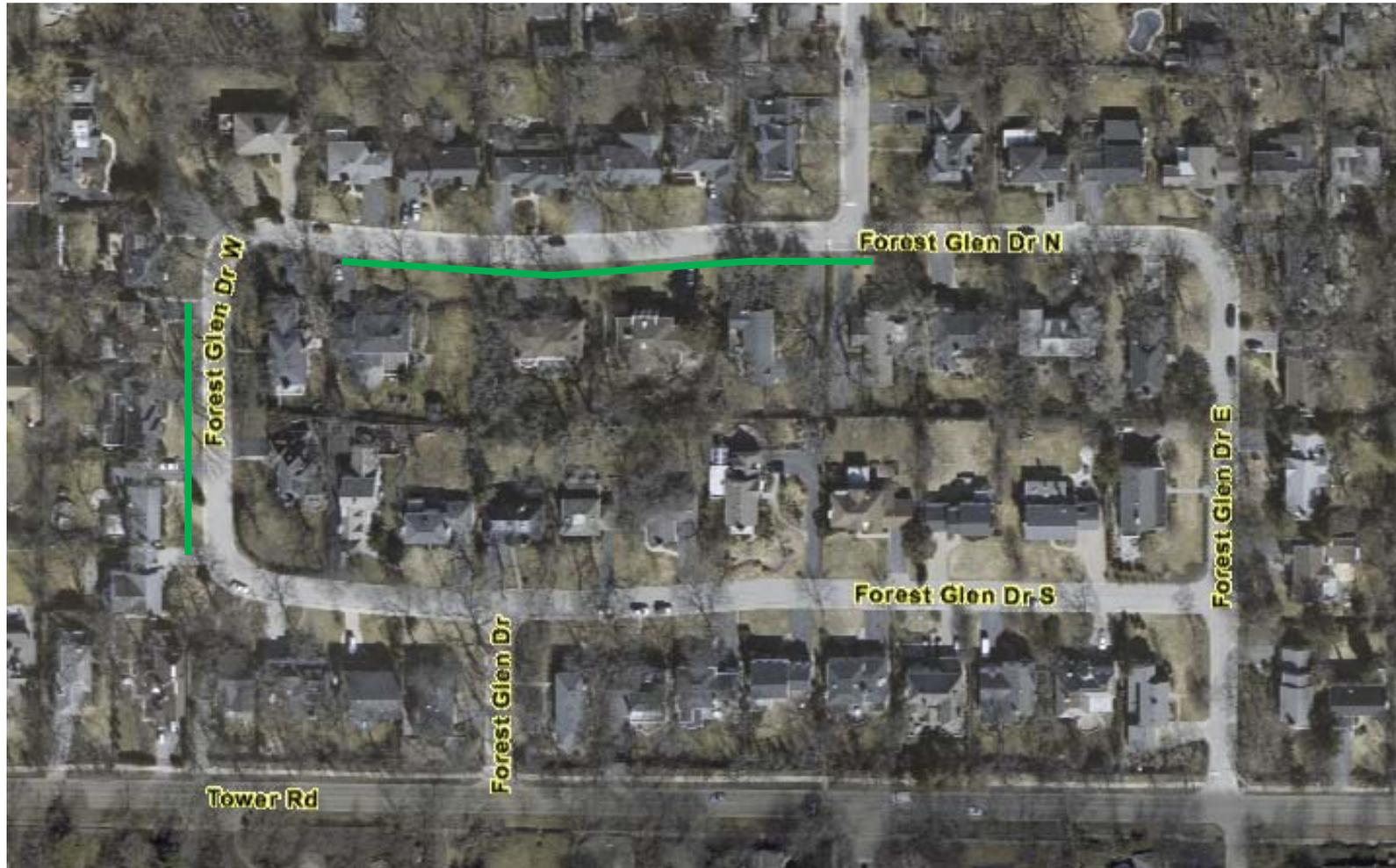
- ▶ Total watershed
1,120 acres
- ▶ Project watershed
160 acres
- ▶ No new connection
to Diversion Ditch
- ▶ Two factors control
ditch level:
 - Upstream flow
 - Skokie River tailwater

Details – Landscaping Berms

- ▶ Berms required in certain areas of Forest Glen neighborhood to capture overland flow within public right-of-way.
- ▶ Height approximately 4” to 6”



Details – Landscaping Berms



Details – Permits

- ▶ Project Permits Required
 - US Army Corps Wetland Permit (Received)
 - Illinois EPA Water System Permit for water main relocations (Received)
 - Cook County Forest Preserve approval of larger pond outlet (Received)

Forest Preserve Permitting

- ▶ Pond is located on Forest Preserve Property
- ▶ Land Use Request is required, is reviewed by District staff, and recommendation made to Board
- ▶ Pond components
 - Erosion control
 - Native vegetation
- ▶ District Board approved project in June of 2014
- ▶ License agreement has been executed
- ▶ Erosion control and vegetation under separate contract to be bid over winter

Project Bid Structure

- ▶ Bids were structured with alternates to address two possibilities:
- ▶ Base Bid
 - All required project elements i.e. storm sewers, pavement reconstruction, utilities, restoration, traffic control, etc.
- ▶ Alt 1
 - Base bid PLUS additional 24” parallel storm sewer between Vernon & Greenwood
- ▶ Alt 2
 - Base bid PLUS substitution of concrete pavement for Tower Road
- ▶ Alt 3
 - Base bid PLUS 24” pipe PLUS concrete pavement

Bid Results

Company	Base Bid	Alt 1 Addl .Pipe	Alt 2 PCC Pavt.	Alt 3 Both
Eng. Estimate	\$5,712,876	\$5,947,976	\$5,875,596	\$6,071,696
A. Lamp	\$6,105,036	\$6,414,815	\$6,117,230	\$6,332,759
DiMeo Bros.	\$7,498,354	\$7,756,255	\$7,904,002	\$8,248,815
Lenny Hoffman	\$8,037,836	\$8,323,261	\$8,259,067	\$8,444,277
Bolder Contr.	\$8,646,357	\$9,004,096	\$8,882,082	\$9,188,721
Glenbrook Exc.	\$8,946,391	\$9,336,111	\$9,103,176	\$9,437,803
Berger Exc.	\$11,176,653	\$11,699,586	\$11,399,330	\$11,916,199

Cost Estimating

- ▶ July 2013 cost estimate \$4,266,924
- ▶ Sept. 2014 engineer's estimate \$5,712,786
- ▶ 4 Main differences \$1,230,000 +/-
 - reconstruction of Tower Road vs. patching & surfacing \$650,000 +/-
 - Complete rather than partial curb replacement \$250,000 +/-
 - Detailed evaluation of existing utilities \$230,000 +/-
 - Recent rise in underground construction costs \$100,000 +/-

Additional Funding for Project

- ▶ Metropolitan Water Reclamation District (MWRD)
 - Regional govt. agency responsible for wastewater treatment and stormwater management in Cook County
- ▶ 2013 Stormwater Management Phase II Program
 - MWRD partnering with municipalities in constructing local stormwater improvements.
 - Village submitted several "shovel-ready" projects for funding consideration.
 - MWRD selected the Northwest Winnetka Project.
- ▶ MWRD will contribute up to \$2 million toward the construction of the proposed stormwater improvements.
- ▶ The IGA was approved by both the MWRD and Winnetka's Village Council in August

Project Cost

Description	Amount
A Lamp bid for Alt #2	\$6,117,230
Less MWRD project participation	(\$2,000,000)
Plus erosion control/landscape contract	\$320,000
Net Village project construction cost	\$4,437,230

Project Schedule

- ▶ Contract Award
 - November 2014
- ▶ Project Information Letters
 - November 2014
- ▶ Public Information Meeting
 - December 2014
- ▶ Construction Period
 - May – October 2015
- ▶ Anticipated Final Completion
 - November 2015

Recommendation

- ▶ Consider awarding contract to A Lamp Concrete, Inc. for Construction Services, accepting Alternate #2, for the Northwest Winnetka Stormwater Improvements, for an amount not to exceed \$6,117,230.

Questions and Discussion