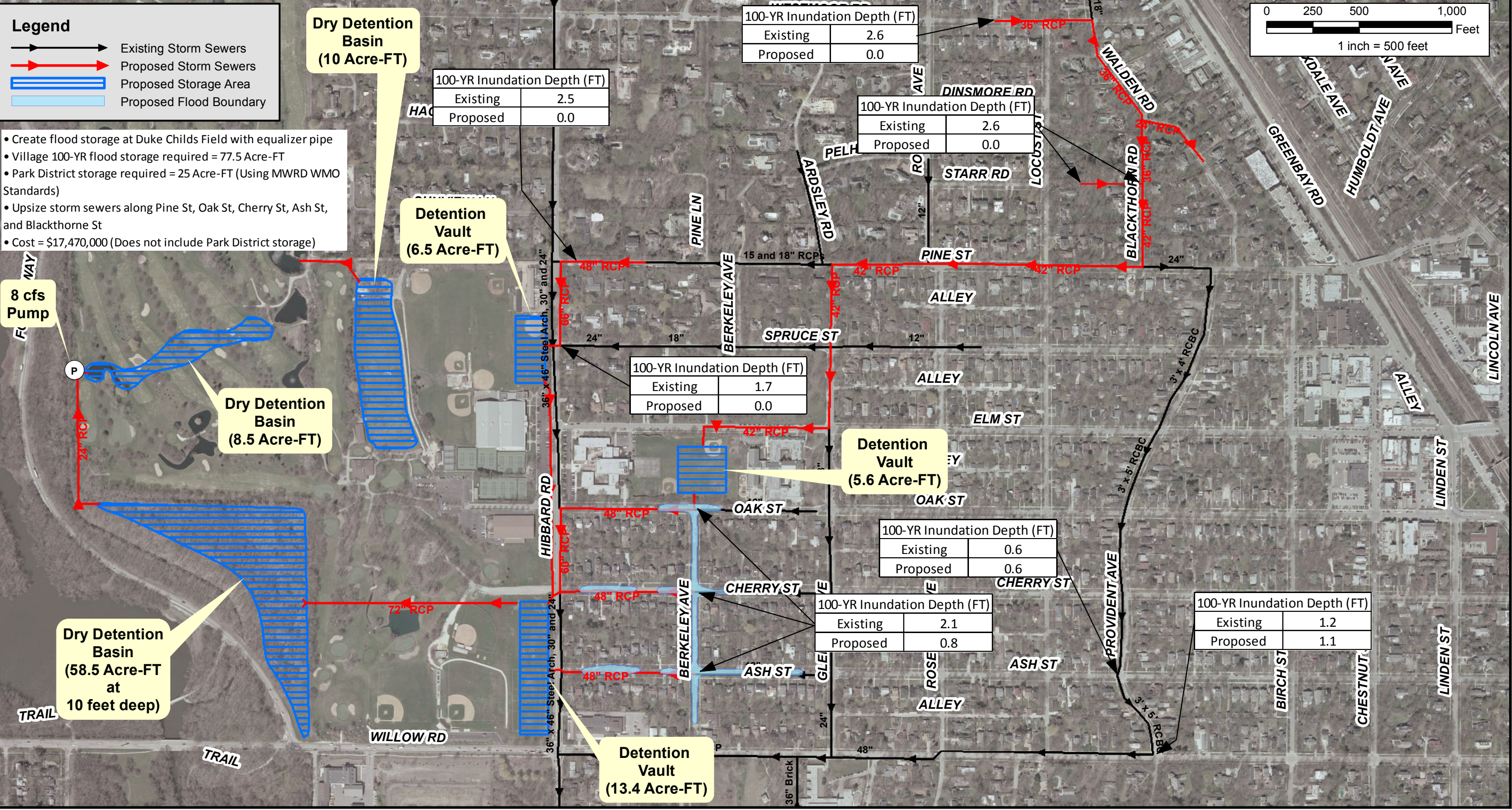
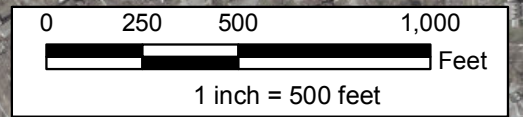


Legend

- Existing Storm Sewers
- Proposed Storm Sewers
- Proposed Storage Area
- Proposed Flood Boundary

- Create flood storage at Duke Childs Field with equalizer pipe
- Village 100-YR flood storage required = 77.5 Acre-FT
- Park District storage required = 25 Acre-FT (Using MWRD WMO Standards)
- Upsize storm sewers along Pine St, Oak St, Cherry St, Ash St, and Blackthorne St
- Cost = \$17,470,000 (Does not include Park District storage)



100-YR Inundation Depth (FT)	
Existing	2.5
Proposed	0.0

100-YR Inundation Depth (FT)	
Existing	2.6
Proposed	0.0

100-YR Inundation Depth (FT)	
Existing	1.7
Proposed	0.0

100-YR Inundation Depth (FT)	
Existing	0.6
Proposed	0.6

100-YR Inundation Depth (FT)	
Existing	2.1
Proposed	0.8

100-YR Inundation Depth (FT)	
Existing	1.2
Proposed	1.1

8 cfs Pump

Dry Detention Basin (10 Acre-FT)

Detention Vault (6.5 Acre-FT)

Dry Detention Basin (8.5 Acre-FT)

Detention Vault (5.6 Acre-FT)

Dry Detention Basin (58.5 Acre-FT at 10 feet deep)

Detention Vault (13.4 Acre-FT)



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CLIENT Village of Winnetka

PROJECT NO. 08-0671

TITLE North of Willow Rd Study Area Proposed Conditions - 100 Year Protection

DSGN. MJB CHKD.

DATE 9/20/11

EXHIBIT 1A