# V<sub>3</sub>

# Use of Reclaimed Floodprone Land Prairie Park, Elgin, IL



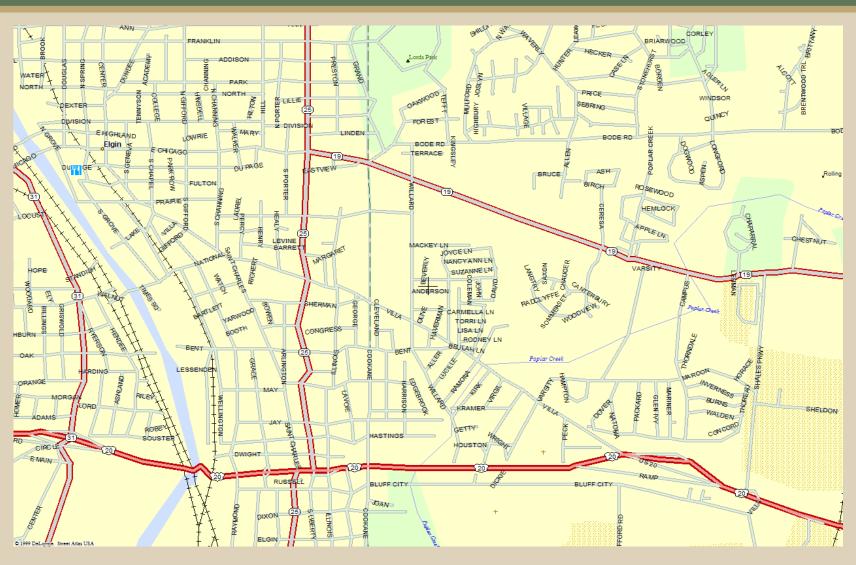
Presented by:
Sandra Homola, P.E., CFM, LEED AP
V3 Companies, Ltd.



#### Overview

- Site History
- Property Acquisition
- Site Constraints
- •Final Site Plans

## Project Location

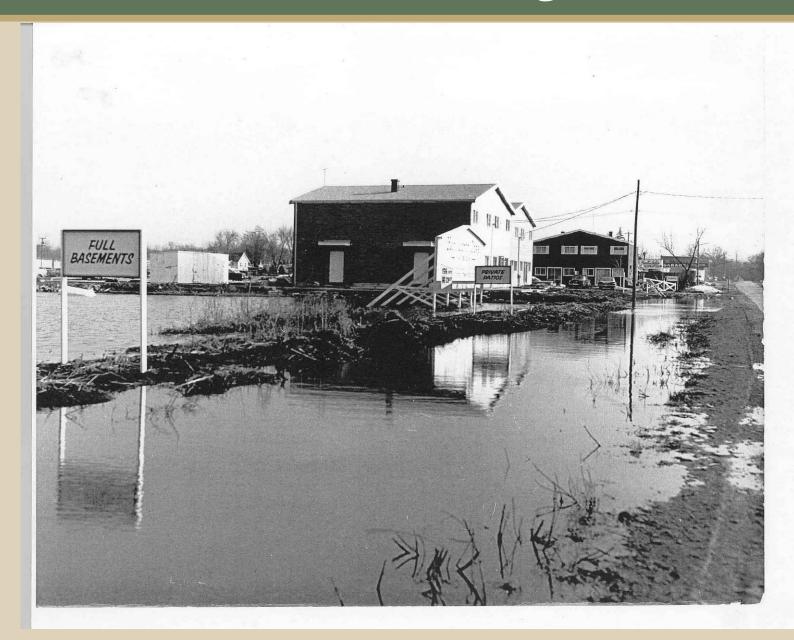


City of Elgin, Cook County, Illinois





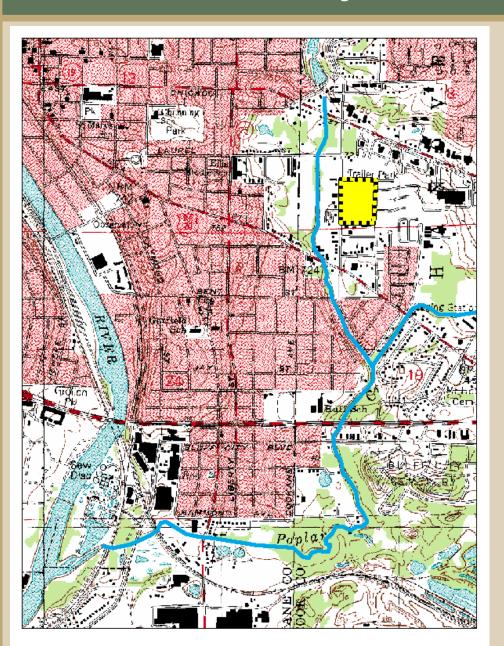
# Documented Flooding, 1960s







#### Project Location

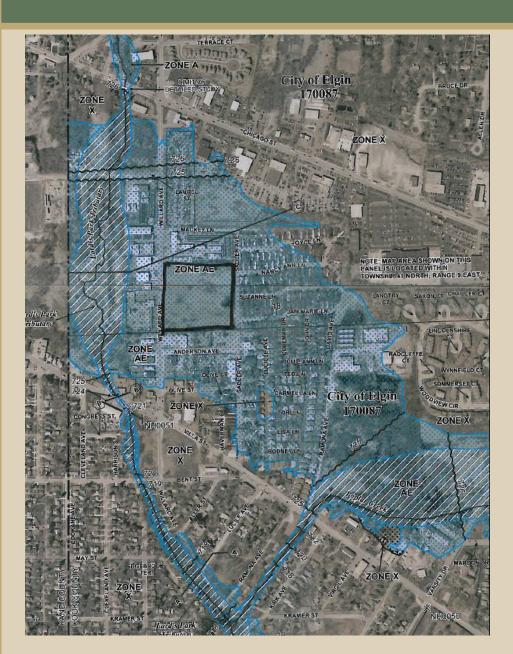


Project site just east of Lord's Creek Tributary (Willow Creek)

Willow Creek drains into Poplar Creek, then the Fox River



#### FEMA FIRM Panel



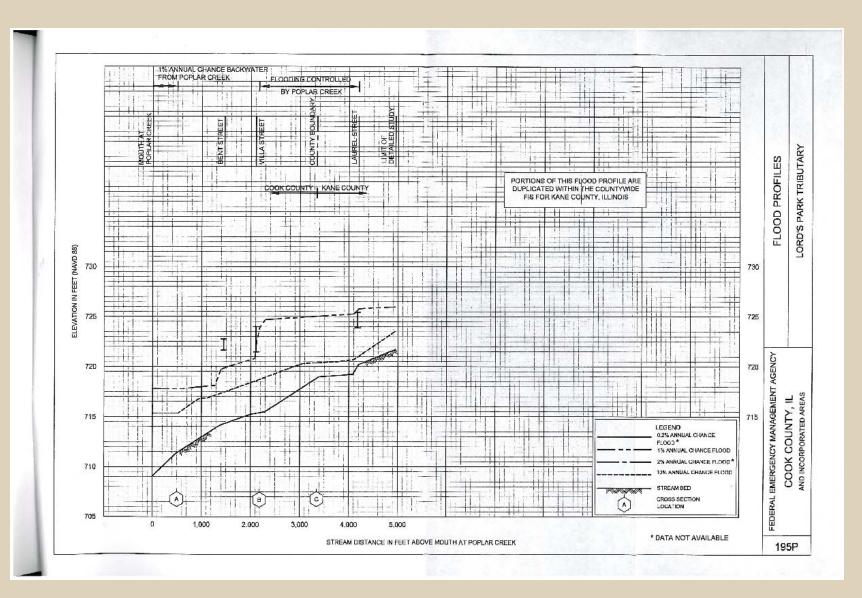
FEMA FIRM Panels 17031C0142J & 17031C0144J

Cook County and Incorporated Areas

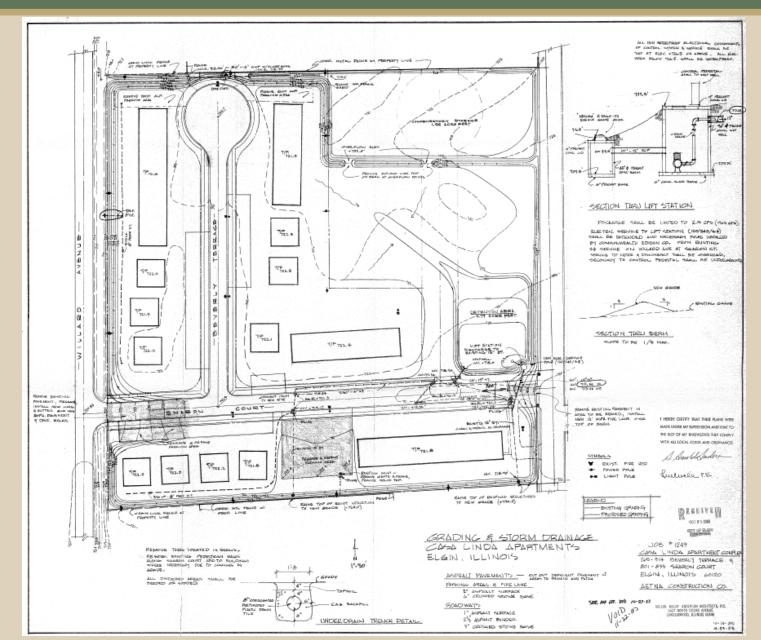
Effective August 19, 2008



#### FEMA FIS Flood Profile



# Casa Linda Apartments Developed (1983)



VIRTUTE

VERTERE

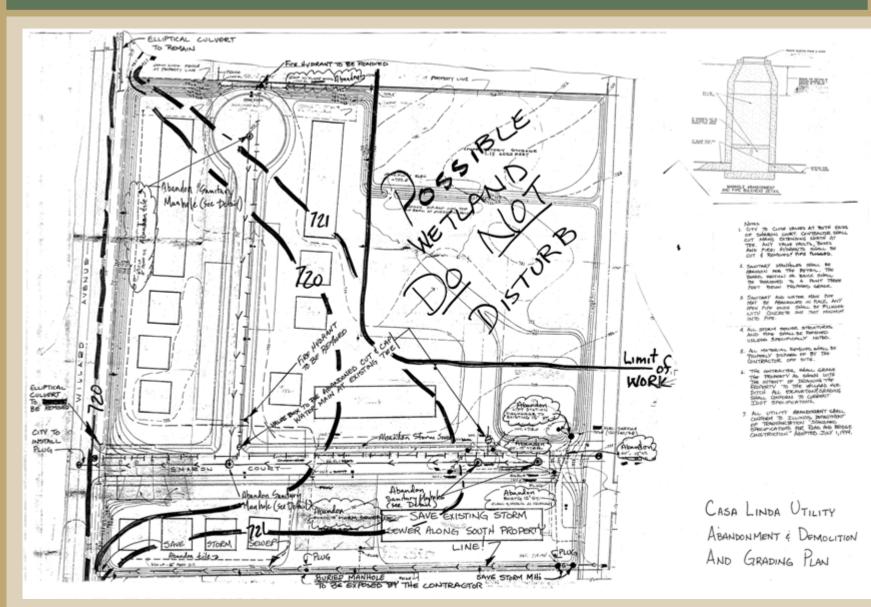
VISIO 1



#### Observed Site Issues

- •Fire Damage 1989 in excess of 50% of building value
- Building foundations built below BFE
- Berm never constructed
- Poor soils, settling, cracked foundations

#### Site Demolition and Clearance



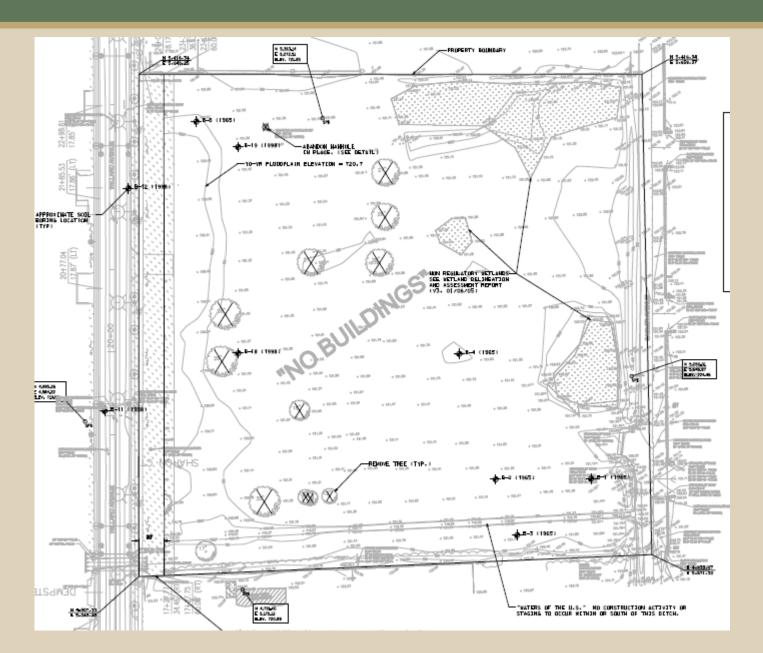


### **Current Site Conditions**





#### Current Site Conditions

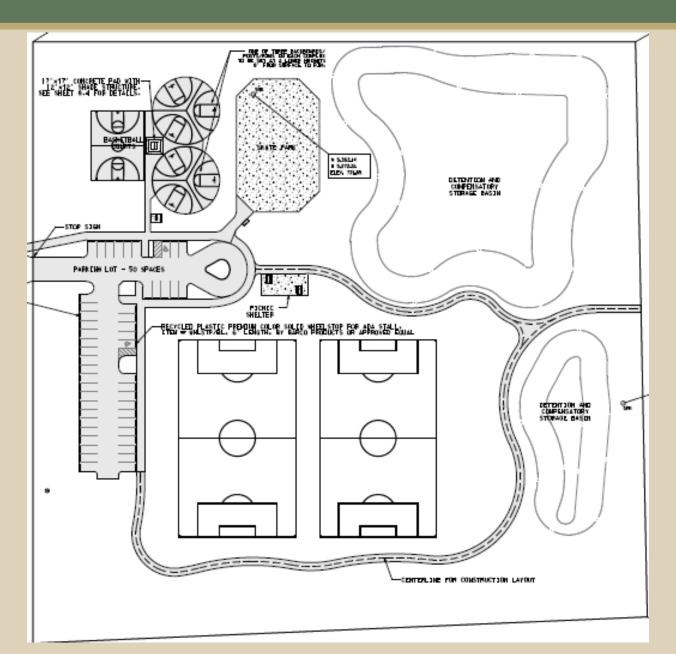




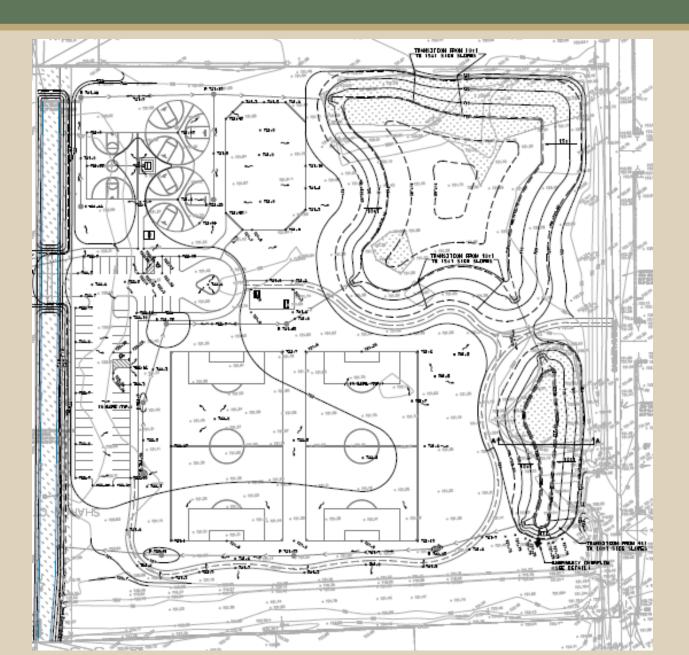
# **Existing Site Constraints**

- Wetlands
- Stormwater Detention
- Site Drainage
- Compensatory Storage
- Poor Soils

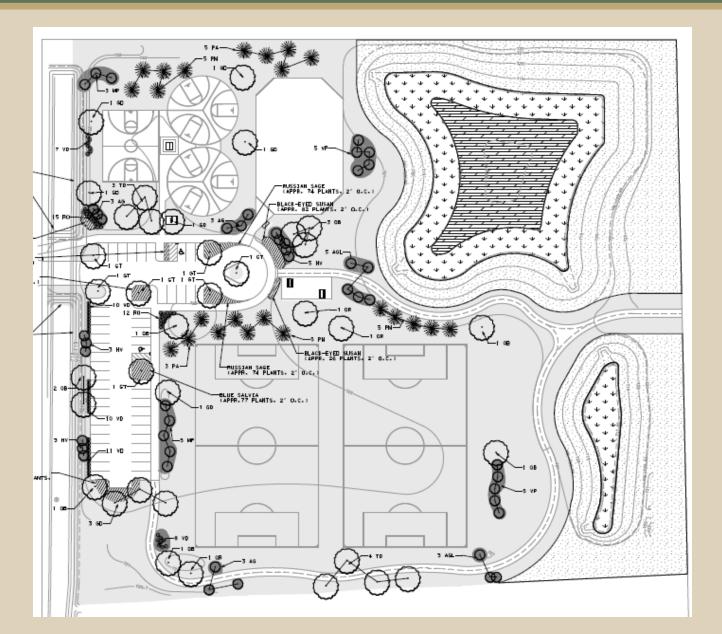
#### Final Site Plan



### Final Site Plan



### Final Site Plan



# QUESTIONS?

