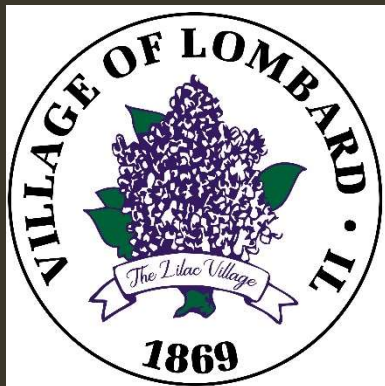



Public Information Meeting for the 641 N. Main Street Stormwater Detention Project

May 22, 2024

5:00-7:00 PM





Introductions

Village Trustee

Andrew Honig – District 4

Bob Bachner – District 6

Village Staff

Carl Goldsmith, Director of Public Works

Mike Barbier, P.E., PTOE, Civil Engineer/Project
Manager

Engineers:

John Beissel, P.E., Robinson Engineering

Matt Palys, P.E., Robinson Engineering



Meeting Agenda

- **History, Projects Purposes and Benefits**

Carl Goldsmith – Director of Public Works (Lombard)

- **Projects Overview**

Mike Barbier – Project Manager (Lombard)

John Beissel – REL, Design Engineering Consultant

- **Construction Schedule, Resident Awareness**

Mike Barbier– Civil Engineer/Project Manager (Lombard)

- **Site Specific Questions**

Property specific questions or concerns will be answered following the presentation.

History

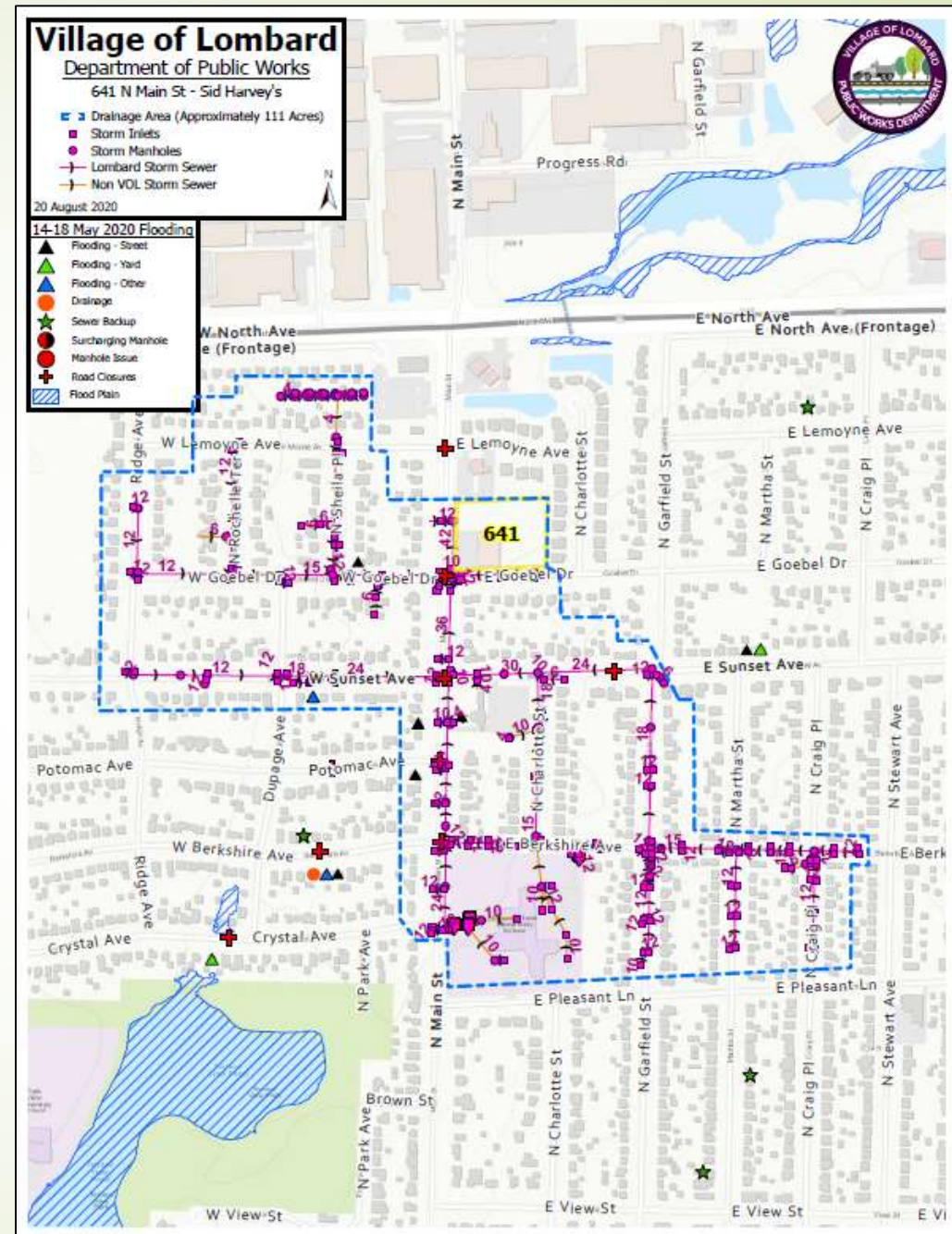
- Following the May 2020 storm events, staff undertook an evaluation of additional detention facilities in the northern section of Lombard.
- The Village has identified 641 N. Main Street as a parcel that would provide a benefit to approximately 111 acres bounded by North Avenue, Grace Street, Pleasant Avenue and Ridge Avenue.
- Detention in that area would allow the Village to better manage stormwater in the immediate area, which would reduce the potential for street flooding that results in closures of Main Street, Berkshire, DuPage and Sunset, addresses backyard flooding, basement backups and surcharging manholes.



History

The image to the right depicts the tributary area in conjunction with the calls for service stemming from the May 14-18, 2020 storms.

The impact to the area in the most recent storm event is typical of the calls for service that the Village has received in all recent storm events.



History



Roadway flooding on Main Street



Sunset Avenue east of Garfield Street



Main Street north of Berkshire Avenue



History

The Village Board authorized the purchase of the property in November 2020.

The Village's acquisition of the property provides the following benefits:

- Maintain open space which is permeable versus residential/commercial development that will increase impervious area
- Potential to incorporate passive/active recreational uses
- Indirect benefit to areas west due to overflow weir at Crystal/Main that allows flow both ways (north and west)
- Alleviate the flooding conditions that cause Main Street to be closed due to high water which impacts emergency services

Detention Basin Options

OPTION #1 - Underground storage

- Installation of 900 StormTrap Units
- Total volume available = 7.29 acre-feet
- Estimated cost: \$5,950,000.
- Entire site (2.73 acres) available for recreation/parking.



OPTION #2 - Above-ground storage

- Construction of new grass-bottom basin
- Result is approximately the same storage volume as for underground detention
- Total volume available = 8.62 acre-feet
- Estimated Construction Cost: \$2,00,000
- Available site for recreation – 0.36 acres



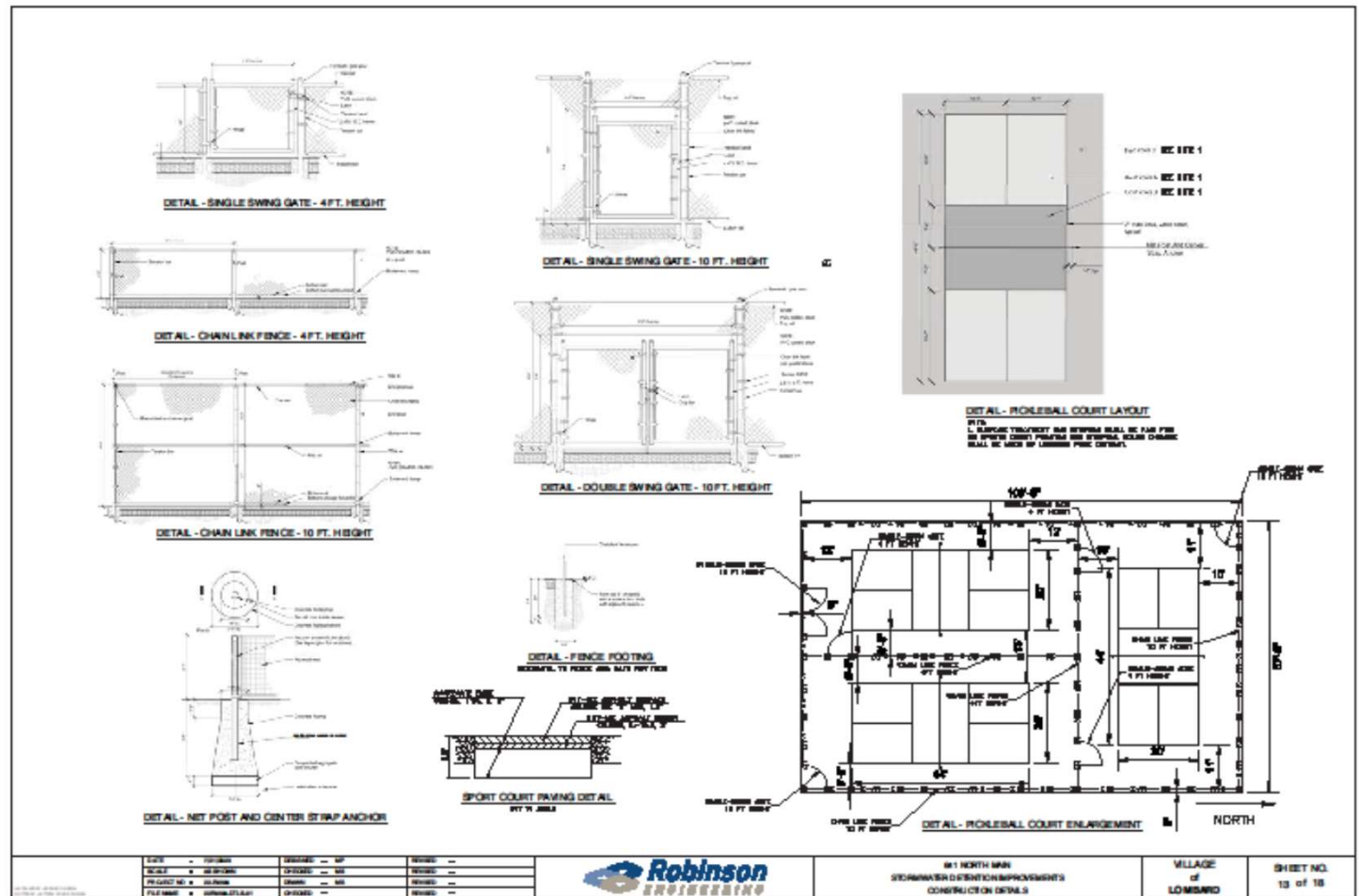
The Village Board recommended Option #2 for the design of the facility.

Project Benefits

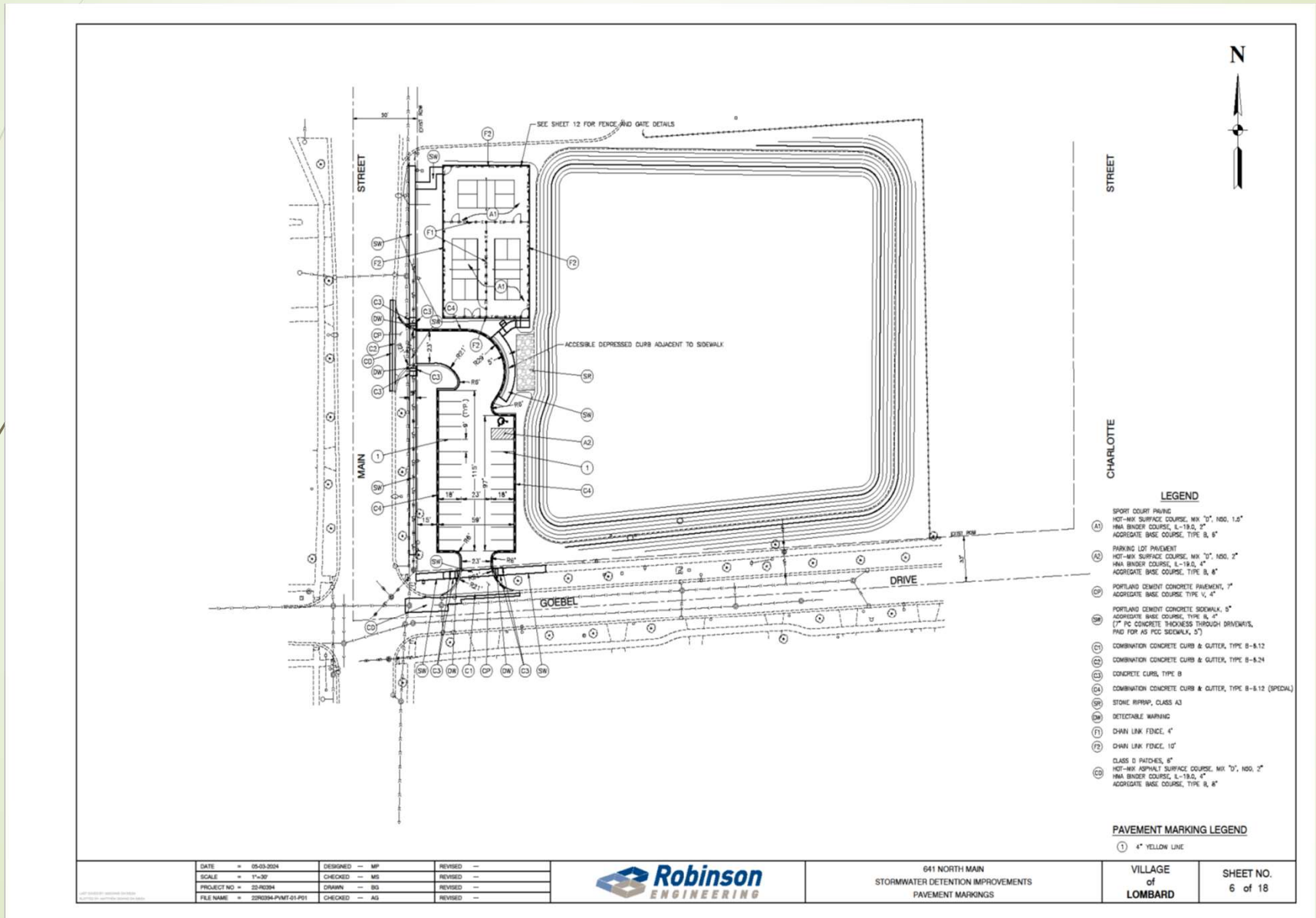
- The Village has designed a wetland-bottom detention facility that will provide an additional 8.6-acre feet of stormwater storage.
- This will provide storage of approximately 2,808,839 gallons during wet weather events
- The Village has coordinated with the Lombard Park District to provide active recreation on the site



Design – Expected Pickleball Facility Standard Detail



Design – Expected Final Project Overview





Design Factors Included

Detention pond design elements:

- Wetland-bottom basin (final restoration – 12 Inch topsoil with wetland emergent seed mixture).
- Side Slope of 3:1 (1-foot vertical fall in 3-foot horizontal run)
- All proposed inlet storm sewers which drain into the proposed detention pond will have backflow preventers installed to prevent back-up into existing storm sewer except where the design outlets are located.
- Discharges stormwater to the north via gravity.
- Overflow at Main Street will minimize the impact of wet weather events at Terrace View Pond



Design Factors Included

Recreation Facility Improvements:

- Reconstructed asphalt parking lot with new pavement markings including one ADA parking space identified
- Vehicular access from both Main Street and Goebel Drive
- 3 fenced-in pickleball courts at the northwest corner of the site
- Revised sidewalks meeting ADA specifications
- Installation of drinking fountain
- Access to the pickleball facilities will be determined by the Lombard Park District



Construction Schedule

The project will be conducted in two (2) phases:

Phase 1 – Demolition

- The Village has awarded a contract to Armor D2
- The contractor will demolition the building and grade the property to ensure safety
- Demolition work is set to commence on June 3, 2024
- Work is to be completed in no more than 30 days

Phase 2 – Detention Pond/Recreation Improvements

- The Village Board will consider bids at their July 18, 2024 meeting
- Work is anticipated to commence end of August 2024 and be completed by mid November 2024.



Long Term Maintenance

- Through an intergovernmental agreement with the Lombard Park District, the Village will construct the detention basin and the recreation facility (including the parking) at the Village's expense.
- The Lombard Park District will maintain and program the pickleball facility, as well as maintain the turf grass and the wetland vegetation in the basin at the District's sole cost.
- The agreement is for a fifty (50) year term and shall renew for the same period unless otherwise terminated by either party.



Resident Awareness



- The Village has several means of communication for the project:
- Newsletters
- Door Hangers
- E-Mail (Notify Me)
- Social Media
- Village website Construction Page at [Village Construction](#)

Questions

- Questions about specific properties will be addressed after the Public Meeting
- For questions about the meeting or general questions about the project, please contact Project Mike Barbier, P.E., at:
barbierm@villageoflombard.org
or 630-620-5740

