

ITEM REP 2015-6077

VILLAGE OF DOWNERS GROVE
Report for the Village Council Meeting
4/14/2015

SUBJECT:	SUBMITTED BY:
Discussion of Clyde Estates Design	Nan Newlon Director of Public Works

SYNOPSIS

Discussion of the Clyde Estates Design. The objective of this action item is to review the design elements of this project prior to advertising for bid.

STRATEGIC PLAN ALIGNMENT

The Strategic Plan goals for 2011-2018 include *Top Quality Infrastructure*.

FISCAL IMPACT

N/A

RECOMMENDATION

N/A

BACKGROUND

Based on public input and Council direction the construction plans for Clyde Estates have been revised to include:

- Elimination of proposed public sidewalks
- Elimination of the traffic circle and revision of the grading at the intersection of Washington/Webster/60th Place,
- Raising ditch profiles and addressing water main cover issues, and
- Revision of resulting stormwater calculations and plan quantities.

The attached presentation provides a summary of the project's objectives, street layout, drainage improvements and tree impacts.

ATTACHMENTS

Presentation

Clyde Country Estates Project Update

Village of Downers Grove

04/14/2015

Key Issues

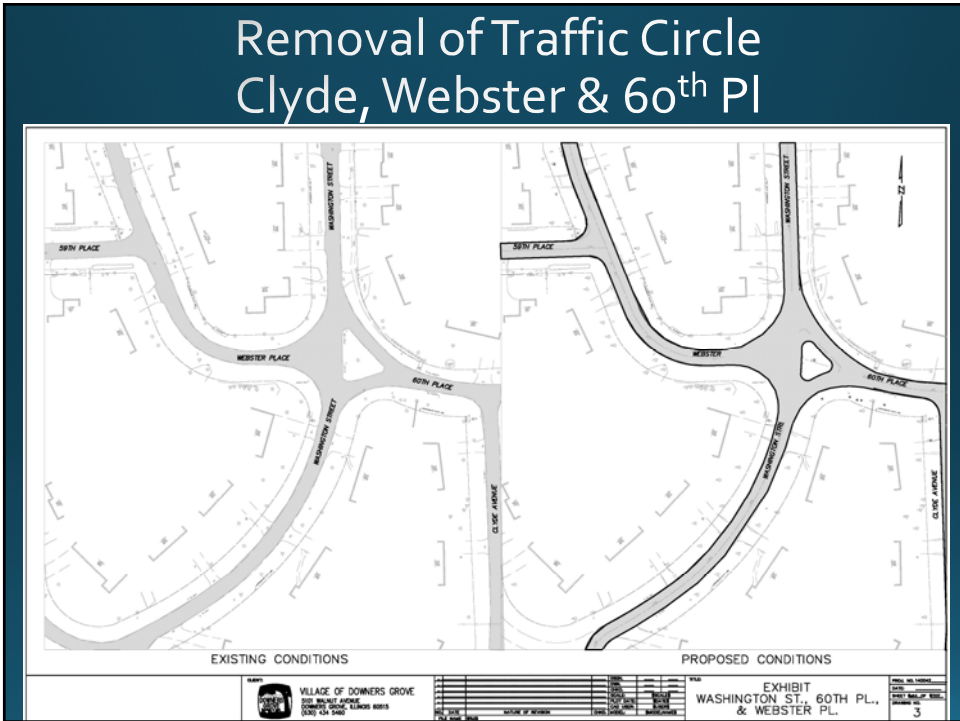
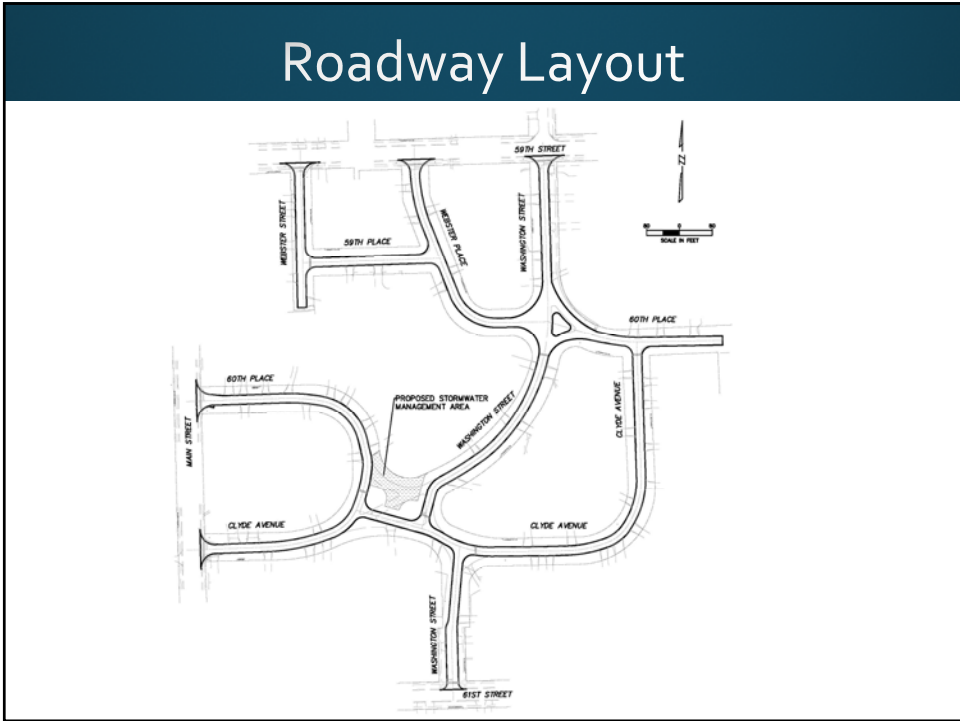
- Street Layout
- Drainage and Ditches
- Preservation of Trees

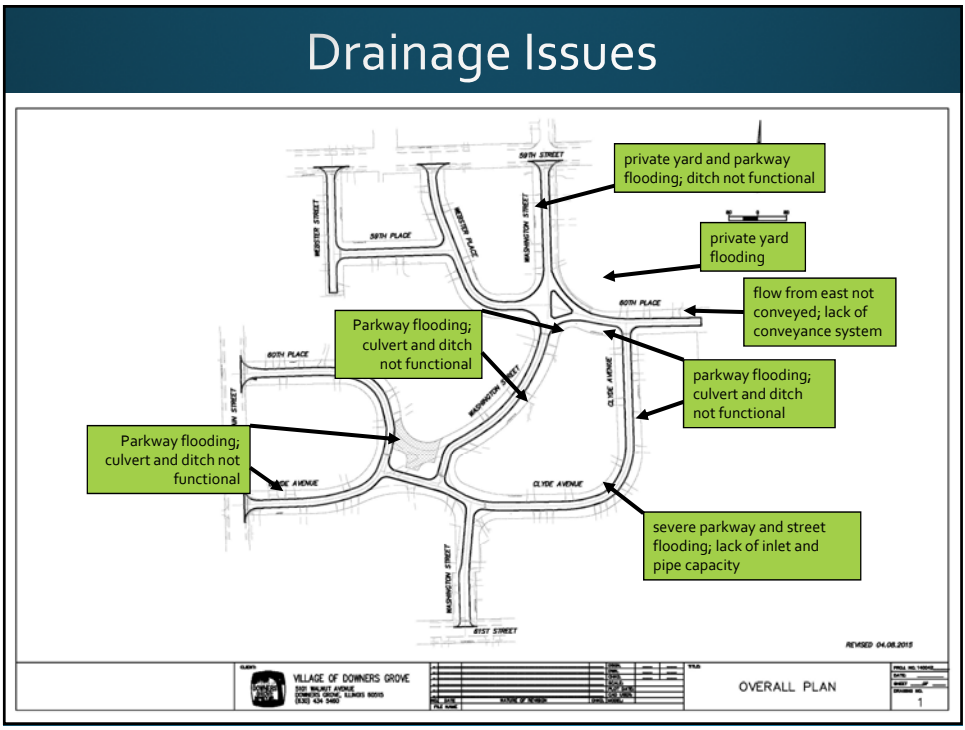
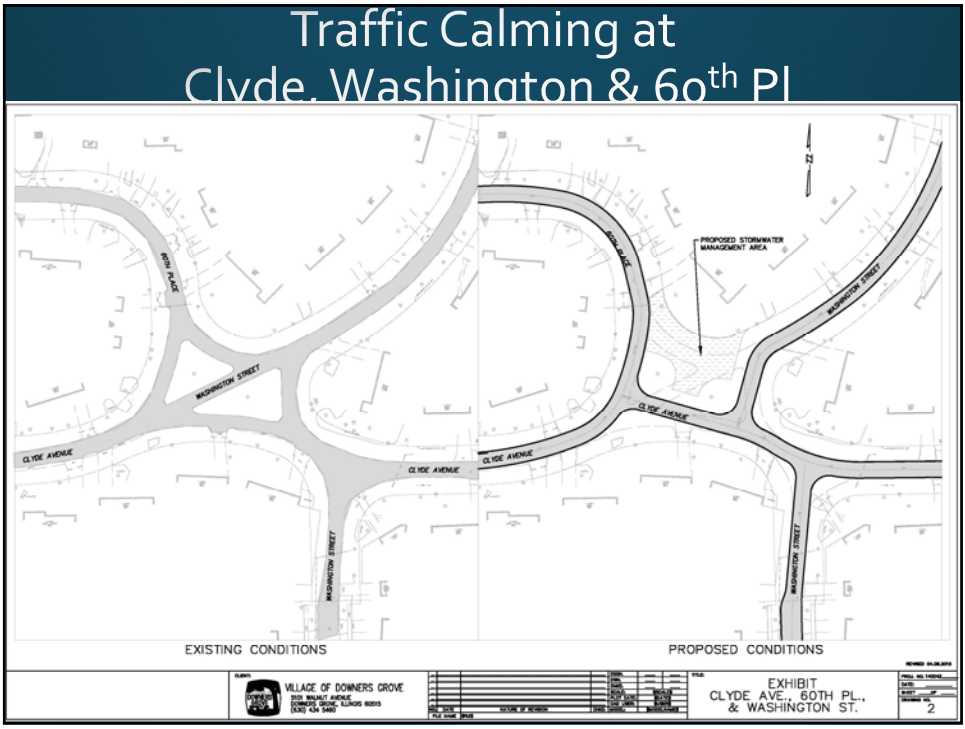
Project Goals & Objectives

- Reconstruct Street
- Improve Drainage
- Address Traffic Concerns
- Preserve Trees

Parkway Tree Impacts







4/10/2015

Drainage Issues

- The lack of adequate roadway drainage contributes to early pavement failure
- Topography too flat for current ditch system
- Lack of inlet and pipe capacity
- Current drainage system cannot facilitate Cost-Share Program in most areas

Typical Pavement Cross Section for Pavement Drainage



Parkway and Street Flooding on Clyde East of Washington



Parkway Flooding on Clyde South of 60th Pl



4/10/2015

Common Soggy Parkway



Existing Pavement Condition

- Existing pavement condition is beyond the effective use of preventative maintenance
- Shows signs of base failure, especially in poorly drained areas
- Pavement edge throughout subdivision is rapidly deteriorating

Alligator Cracking (base failure)



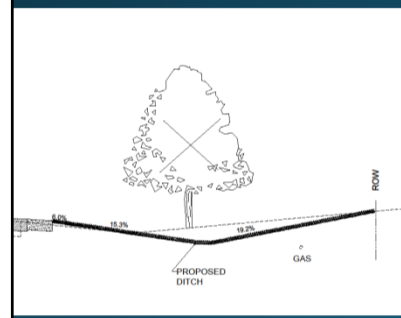
Alligator Cracking (base failure)



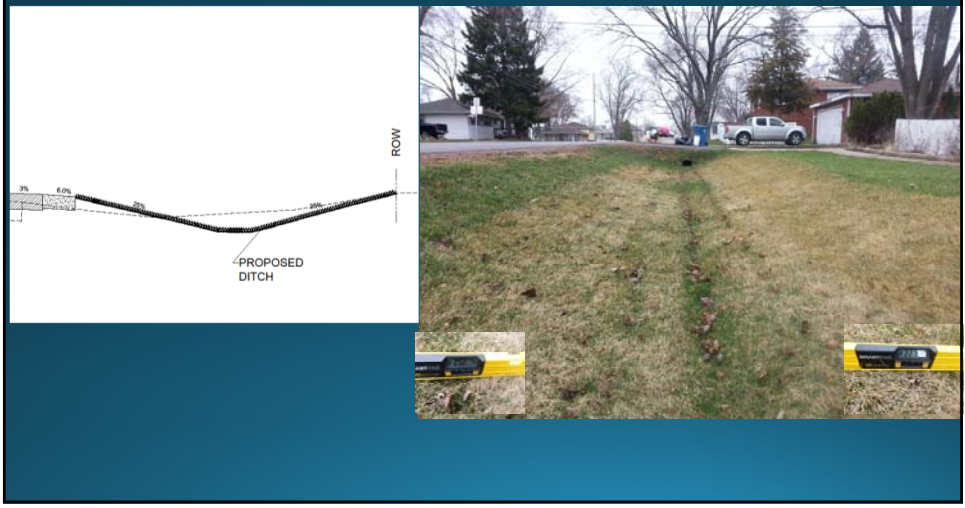
Deteriorating Edge



Standard Ditch Section (Slopes < 4:1 Depth < 2.5')



Non-standard ditch (depth >2.5')



Non-standard ditch (slope > 4:1)



