



To: Park Board

Agenda Item #: VII.A.

From: Ann Kattreh, Parks & Recreation Director
Toby Muse, Project Manager, SEH

Action
Discussion
Information

Date: October 6, 2014

Subject: Arden Park Sidewalk Addition

Action Requested:

Approve 8-foot wide sidewalk addition to Arden Park. Review other potential impacts to Arden Park.

Information / Background:

The Arden Park D Neighborhood Roadway Improvement Project is planned for construction in 2015. Engineering staff is developing the project's engineering study. The City Council will review the final engineering study and determine if the project will move forward at a special meeting on December 9, 2014.

As discussed at the April 1, 2014 City Council work session, the project will incorporate many elements of our draft Living Streets plan. These elements include installation of sidewalks with boulevards on at least one side of the roadway, narrowing the roadway to 24-foot face-to-face of curb, restricting parking to one side of the street, and identify opportunities for storm water infiltration. The project involves reconstruction of approximately 12,000-foot or just over 2-miles of streets with the potential of extensive utility replacements. The existing watermain is a combination of cast iron and ductile iron pipe. The neighborhood has a history of water service leaks. To determine the condition of the watermain pipe, staff will be conducting non-destruction testing of the watermain pipes to determine the cost effectiveness of replacement.

The attached graphic shows potential impacts to Arden Park.

A few items to note:

- Two storm sewer pipe runs may need to be lined or removed and replaced. Engineering staff is awaiting TV work of these pipes before a method of reconstruction is chosen.
- A grass drainage swale may be incorporated south of the active green area in the park from approximately the middle of Minnehaha Boulevard to Minnehaha Creek. This could be placed in lieu of the storm sewer work or in addition to it. It would follow the existing tree line along the street.
- An emergency stormwater overflow swale is proposed through the park along the tree line north of the existing playground. This will relieve the area of Arden Avenue that floods due to an undersized storm sewer in 52nd St.
- An 8-foot wide sidewalk will be installed adjacent to the street on the south half of

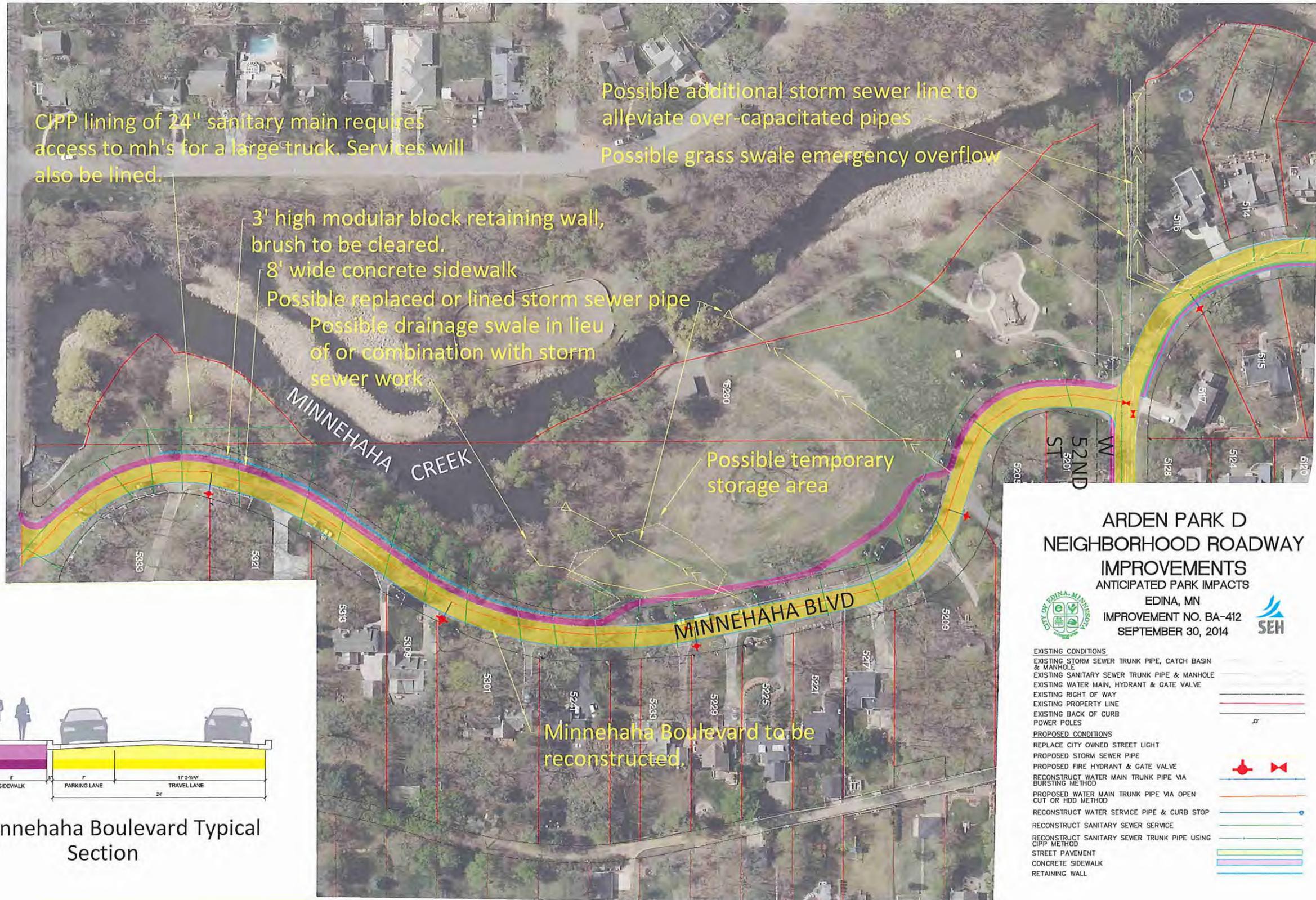
Minnehaha Boulevard. It will slightly traverse out into Arden Park near the north half of the street in order to preserve existing mature trees.

- A 3-foot high modular block retaining wall will be placed against the sidewalk where existing steep slopes exist along the south half of Minnehaha Boulevard.
- Existing brush will need to be cleared in the area where the retaining wall is proposed to be built.
- A potential construction material/equipment storage area is shown in the graphic. The location would be fenced off and away from predominant park activities.
- The 24-inch sanitary sewer in the park will be lined. Lining will require access to existing manholes for a large truck. The lining work may take place in the late winter of 2015.

When streets are being reconstructed adjacent to parks, the addition of sidewalks to provide safe neighborhood access to parks is being considered. This was recently completed at both Strachauer and Weber parks.

Parks & Recreation Department staff recommends the approval of the sidewalk at Arden Park. Toby Muse, SEH Project Manager will be at the Park Board meeting and will make a brief presentation and answer questions.

Attachment:
Arden Park D Neighborhood Roadway Improvements



CIPP lining of 24" sanitary main requires access to mh's for a large truck. Services will also be lined.

Possible additional storm sewer line to alleviate over-capacitated pipes
Possible grass swale emergency overflow

3' high modular block retaining wall, brush to be cleared.
8' wide concrete sidewalk
Possible replaced or lined storm sewer pipe
Possible drainage swale in lieu of or combination with storm sewer work

Possible temporary storage area

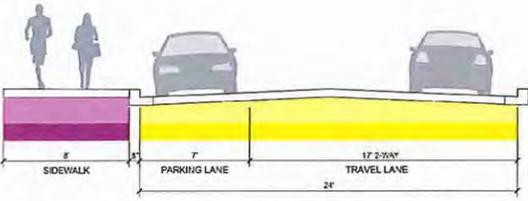
Minnehaha Boulevard to be reconstructed.

W 54TH ST

**ARDEN PARK D
NEIGHBORHOOD ROADWAY
IMPROVEMENTS**
ANTICIPATED PARK IMPACTS
EDINA, MN
IMPROVEMENT NO. BA-412
SEPTEMBER 30, 2014



- EXISTING CONDITIONS**
- EXISTING STORM SEWER TRUNK PIPE, CATCH BASIN & MANHOLE
 - EXISTING SANITARY SEWER TRUNK PIPE & MANHOLE
 - EXISTING WATER MAIN, HYDRANT & GATE VALVE
 - EXISTING RIGHT OF WAY
 - EXISTING PROPERTY LINE
 - EXISTING BACK OF CURB
 - POWER POLES
- PROPOSED CONDITIONS**
- REPLACE CITY OWNED STREET LIGHT
 - PROPOSED STORM SEWER PIPE
 - PROPOSED FIRE HYDRANT & GATE VALVE
 - RECONSTRUCT WATER MAIN TRUNK PIPE VIA BURSTING METHOD
 - PROPOSED WATER MAIN TRUNK PIPE VIA OPEN CUT OR HDD METHOD
 - RECONSTRUCT WATER SERVICE PIPE & CURB STOP
 - RECONSTRUCT SANITARY SEWER SERVICE
 - RECONSTRUCT SANITARY SEWER TRUNK PIPE USING CIPP METHOD
 - STREET PAVEMENT
 - CONCRETE SIDEWALK
 - RETAINING WALL



Minnehaha Boulevard Typical Section