

**Improvement Area 40 – 2504 S. Woodlawn Dr.**



Benefit Point Total	500
Project Cost	\$153,763
Cost/Benefit Score	308

Location Map

Project Problem and Solution Summary

The stormwater problem in this area is located west of the intersection of State Fair Boulevard and West 5<sup>th</sup> Street. Stormwater from a commercial area along Broadway Boulevard is conveyed north into an open channel south of Woodlawn Drive. The stormwater flows under Woodlawn Drive and through backyards until it flows under West 5<sup>th</sup> Street. The culvert that carries the water under West 5<sup>th</sup> Street outlets behind the homes on the north side of West 5<sup>th</sup> Street. The stormwater outlets to an open channel north of West 5<sup>th</sup> Street and flows north to a larger open channel. The culverts and natural channel are undersized and home flooding was reported at 2504 and 2503 Woodlawn Drive.

The conceptual improvement for this area is to enclose the existing stream from the rear yards of the homes south of Woodlawn Drive to the existing culvert outlet north of West 5<sup>th</sup> Street. The new stormwater system will follow the alignment of the existing stormwater system from south of Woodlawn Drive to north of West 5<sup>th</sup> Street. Modification of the downstream channel may also be necessary to prevent the backup of water into the proposed stormwater system. For final design survey information will be needed for home low openings, utility information and more detailed topographic data to provide more accurate alignment and pipe sizing.

<b>Area 40 Cost Estimate</b>				
<u><i>Item Description</i></u>	<u><i>Quantity</i></u>	<u><i>Qty. Units</i></u>	<u><i>Unit Cost</i></u>	<u><i>Total Cost</i></u>
Pipe 21" and Larger - Street	59	LF	\$210	\$12,390
Pipe 21" and Larger - Yard	609	LF	\$180	\$109,620
Channel	50	LF	\$20	\$1,000
			<b>Subtotal</b>	\$123,010
			<b>Utilities and Misc. Contingency (25%)</b>	\$30,753
			<b>Total</b>	\$153,763



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Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

**Legend**

- Potential System Improvements
- Stormwater Problem Areas
- Surface Water, Ground Water and Sanitary Sewer Backup
- Surface Flooding and Sanitary Sewer Backup
- Ground and Surface Water Flooding
- Ground Water Flooding and Sanitary Sewer Backup
- Sanitary Sewer Backup
- Returned Questionnaires with No Major Issues
- Surface Flooding
- Ground Water Flooding

**City of Sedalia, MO  
Potential System Improvements  
Project ID #40**

