

**VILLAGE OF DOWNERS GROVE  
REPORT FOR THE VILLAGE COUNCIL MEETING  
FEBRUARY 9, 2010 AGENDA**

<b>SUBJECT:</b>	<b>TYPE:</b>	<b>SUBMITTED BY:</b>
Change Order #3: Washington Park Stormwater Improvement Project (CIP Project SW-042)	Resolution Ordinance ✓ Motion Discussion Only	Naneil Newlon Director of Public Works

**SYNOPSIS**

A motion is requested to authorize a change order to an existing contract with Copenhaver Construction, Inc. of Gilberts, IL, for the Washington Park Stormwater Improvement Project (SW-042) in amount of \$38,511.27.

**STRATEGIC PLAN ALIGNMENT**

The Five Year Plan and Goals for 2008-2013 identified *Top Quality Village Infrastructure and Facilities*. A supporting objective of this goal is *Improve Neighborhood Infrastructure Curbs, Gutters, Streets, Sidewalks, Stormwater and Drainage System*.

**FISCAL IMPACT**

The amount of the proposed change order, \$38,511.27, would increase the existing contract amount from \$2,990,348.96 to \$3,028,860.23. The Village's proposed portion of this change order is \$26,485.27, with the remaining amount of \$12,026.00 to be paid by the Downers Grove Park District. This would increase the Village's contract portion of the project costs from \$2,842,545.49 to \$2,869,030.76.

The budget for all planned projects within the St. Joseph North, Subwatershed E (SW-042) is \$9,250,000 and spans three fiscal years (FY09, FY10 and FY11). The FY09 budget includes \$2,300,000 for the Washington Park project. The proceeds from the stormwater bond issuance of 2008 will be used to pay for this project. Per the terms of the Intergovernmental Agreement (IGA) with the Downers Grove Park District, the original Village contract portion of the costs would be \$2,789,888 and the Park District portion of the costs would be \$82,775.

**RECOMMENDATION**

Approval on the February 9, 2010 consent agenda.

**BACKGROUND**

On April 7, 2009, the Village Council awarded a contract to Copenhaver Construction, Inc. of Gilberts, IL, for the Washington Park Stormwater Improvement Project (SW-042). The contract is to provide stormwater detention in the form of two separate detention facilities located within the northwest and southeast areas of Washington Park. The detention facilities, in conjunction with other projects proposed for the St. Joseph North E Subwatershed, will alleviate drainage issues and will allow many of the poorly-drained depressional areas to drain more efficiently.

In 2008, the Village and Park District executed an IGA that requires the Village to design and construct certain recreational improvements in exchange for the use of the land for stormwater improvements. The recreational improvements include new playgrounds, picnic area, fountain, new soccer and baseball fields with underdrain and irrigation systems, and various park amenities.

This is the third change order for the Washington Park Stormwater Improvement Project. The first change order was approved by Village Council on August 18, 2009 for an amount of \$75,958.00, of which \$35,958.00 was paid by the Village. The remaining \$40,000 was to be paid by the project's design consultant and the Park District. The second change order was approved by Village Council on November 3, 2009 for an amount of \$41,727.96, of which \$16,699.49 was paid by the Village. The remaining \$25,028.47 was to be paid by the Park District. This third change order is for \$38,511.27 and would increase the existing contract amount from \$2,990,348.96 to \$3,028,860.23. The Village's proposed portion of this change order is \$26,485.27, with the remaining amount of \$12,026.00 to be paid by the Dowers Grove Park District. Some of the major items associated with the proposed change order are summarized below:

Park Amenity Changes (Park District Costs \$12,026.00)

- Additional costs for replacing galvanized steel hand rail behind wall with a 42" ornamental fence.
- Additional costs for constructing the partition wall (wall separating the north and south basins) with formliners on the north face.
- Additional cost to upgrade the fountain controller.

Final Pay Items Above/Below Plan Quantity (Village Credit \$16,988.51)

- Tree root pruning, trees to be relocated, tree protection fence, inlet filters, 6' diameter manhole, type A inlet, 8" storm sewer, adjustments to 6" watermain, polyethylene encasement for watermain, earth excavation, and unsuitable soil excavation.

Cast-in-Place Retaining Walls (Village Costs \$33,473.78)

- New item for removing masonite material placed at retaining wall control joints. The masonite will be removed to maintain structural integrity of retaining walls.
- New item for using wetted burlap with visqueen material to cure the concrete retaining walls. This curing method will help reduce cracking between control joints.
- A revised, redesigned retaining wall is proposed to replace the original cast-in-place concrete retaining wall north of the basketball court. Due to a constructability issue with two nearby trees adjacent to Prairie Ave, the existing wall north of the basketball court will remain in place and a façade wall with footing will be built attached to the existing wall. The Village will receive a credit for not constructing the wall per plan. However, construction of the new wall is estimated to be more expensive than the original wall, which will result in an extra cost.

Other (Village Cost \$10,000.00)

- New item for performing undercuts for construction of the fountain and fountain base. Unsuitable soils were discovered in the proposed fountain area. Undercuts must be performed in order to achieve the specified soil bearing capacity for the fountain structure.

**ATTACHMENTS**

Change Order #3 – Washington Park Stormwater Improvement Project (two sheets)  
Capital Project Sheet (SW-042, 2009)



# Village of Downers Grove Change Order

**Project Name:** Washington Park Storm Water Improvements      **Date:** 1/27/2010  
**Project No:** SW-042-09      **No:** 3  
**Contractor:** Copenhaver Construction, Inc.

**You are directed to make the following changes to this contract:**

Credits for following pay items: TREE REMOVAL (6 TO 15 UNITS DIAMETER), TREE REMOVAL (OVER 15 UNITS DIAMETER), STORM SEWER, RCP, CL IV, 18", STORM SEWER, RCP, CL IV, 30", STORM SEWER, RCP, CL IV, 42", STORM SEWER, RCP, CL IV, 48", CATCH BASIN, TYPE A, T1F, OL, MANHOLE TYPE A, T1F, OL, 8' DIA., STEEL PIPE CASINGS 12", GALVANIZED STEEL HANDRAIL BEHIND WALL, CONCRETE RETAINING WALL-TO MATCH EXISTING, REVISED CAST-IN-PLACE CONC. RET. WALL (6'6"), IRRIGATION SYSTEM MODIFIED (ADJUSTMENT). Extras for the following current and new pay items: TREE ROOT PRUNING, TREE TO BE RELOCATED, TREE PROTECTION FENCE, INLET FILTERS, MANHOLE TYPE A, T1F, CL, 6' DIA., INLET, TYPE A, T1F, OL, STORM SEWER, PVC SDR 26. 8", ADJUSTING DUCTILE IRON WATER MAIN PIPE, 6", POLYETHYLENE ENCASEMENT, SAWCUT CONTROL JOINTS, WET BURLAP CURING, POWDER COAT STAIR RAILINGS, ORNAMENTAL FENCE, 42", RELOCATE CHAIN LINK FENCE, FORM LINER ON PARTITION WALL (NORTH FACE), REMOVE MASONITE, FAÇADE WALL NORTH OF BASKETBALL COURT, UNDERCUT, FOUNTAIN, CRACK SEALING WALLS (BITUTHENE), THERMAL BLANKETS, FOUNTAIN CONTROLLER UPGRADE, EXCAVATION UNDER TOT LOT WALLS, UNSUITABLE EXCAVATION (TOT LOT WALLS).

The original contract sum was:.....	(1)	\$ 2,872,663.00
Net amount of previous change orders:.....	(2)	\$ 117,685.96
Current contract amount (1) + (2):.....	(3)	\$ 2,990,348.96
This Proposed Change Order:.....	(4)	\$ 38,511.27
Proposed Revised Contract Amount (3) + (4):.....	(5)	\$ 3,028,860.23

Net of Change Orders Pending Approval (4):	\$	38,511.27
Budget Estimate:.....	\$	2,500,000.00
Original Completion Date:.....		6/1/2010
Time Extension or Reduction:.....		0
Total Contract Time (Pending Approval):.....		6/1/2010

<b>RECOMMENDED FOR ACCEPTANCE:</b>	<b>APPROVED:</b>
Project Engineer _____ Date _____	<input type="checkbox"/> Village Manager _____ Date _____
	<input type="checkbox"/> Director of Public Works _____
Contractor _____ Date _____	

**It is understood that as part of this change order that the Contractor agrees that all bonds, permits, insurance, and guarantees are hereby extended to incorporate this Change Order.**

Project Name: Washington Park Storm Water Improvements

Date: 1/27/2010

Project No: SW-042-09

No: 3

Item No.	Item	Orig. Quan.	Unit	Add or Deduct	Revised Quan.	Unit Price	Total Price
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	142.0	UNITS	(5.9)	136.1	\$20.00	(\$118.00)
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	325.0	UNITS	(40.9)	284.1	\$21.00	(\$858.90)
20101200	TREE ROOT PRUNING	10.0	EACH	2.0	12.0	\$70.00	\$140.00
XX001616*	TREE TO BE RELOCATED	12.0	EACH	2.0	14.0	\$400.00	\$800.00
20101100	TREE PROTECTION FENCE	2,000.0	FOOT	93.0	2093.0	\$1.00	\$93.00
28000510	INLET FILTERS	8.0	EACH	1.0	9.0	\$150.00	\$150.00
55026000	STORM SEWER, RCP, CL IV, 18"	520.0	FOOT	(41.0)	479.0	\$50.00	(\$2,050.00)
55026400	STORM SEWER, RCP, CL IV, 30"	385.0	FOOT	(13.0)	372.0	\$70.00	(\$910.00)
55026700	STORM SEWER, RCP, CL IV, 42"	130.0	FOOT	(26.0)	104.0	\$100.00	(\$2,600.00)
55026800	STORM SEWER, RCP, CL IV, 48"	80.0	FOOT	(4.7)	75.3	\$140.00	(\$653.80)
60200105	CATCH BASIN, TYPE A, T1F, OL	2.0	EACH	(2.0)	0.0	\$3,000.00	(\$6,000.00)
60223800	MANHOLE TYPE A, T1F, CL, 6' DIA.	3.0	EACH	1.0	4.0	\$5,000.00	\$5,000.00
60234200	INLET, TYPE A, T1F, OL	1.0	EACH	2.0	3.0	\$600.00	\$1,200.00
*	MANHOLE TYPE A, T1F, OL, 8' DIA.	3.0	EACH	(3.0)	0.0	\$5,000.00	(\$15,000.00)
*	STORM SEWER,PVC SDR 26. 8"	10.0	FOOT	7.0	17.0	\$20.00	\$140.00
56106300	ADJUSTING DUCTILE IRON WATER MAIN PIPE, 6"	50.0	FOOT	31.5	81.5	\$50.00	\$1,575.00
Z0067300*	STEEL PIPE CASINGS 12"	40.0	FOOT	(28.0)	12.0	\$60.00	(\$1,680.00)
*	POLYETHYLENE ENCASEMENT	50.0	FOOT	31.5	81.5	\$60.00	\$1,890.00
*	GALVANIZED STEEL HANDRAIL BEHIND WALL	100.0	FOOT	(100.0)	0.0	\$45.00	(\$4,500.00)
*	CONCRETE RETAINING WALL-TO MATCH EXISTING	75.0	FOOT	(75.0)	0.0	\$200.00	(\$15,000.00)
X7	REVISED CAST-IN-PLACE CONC. RET. WALL (6'6")	102.0	FOOT	(12.0)	90.0	\$376.56	(\$4,518.67)
X12a	IRRIGATION SYSTEM MODIFIED (ADJUSTMENT)	0.0	LSUM	1.0	1.0	(\$1,069.43)	(\$1,069.43)
X26	SAWCUT CONTROL JOINTS	0.0	EACH	646.0	646.0	\$10.00	\$6,460.00
X27	WET BURLAP CURING	0.0	LSUM	1.0	1.0	\$9,182.45	\$9,182.45
X28	POWDER COAT STAIR RAILINGS	0.0	LSUM	1.0	1.0	\$3,200.00	\$3,200.00
X29	ORNAMENTAL FENCE, 42"	0.0	FOOT	100.0	100.0	\$62.00	\$6,200.00
X30	RELOCATE CHAIN LINK FENCE	0.0	LSUM	1.0	1.0	\$1,263.62	\$1,263.62
X31	FORM LINER ON PARTITION WALL (NORTH FACE)	0.0	FOOT	63.0	63.0	\$52.00	\$3,276.00
X32	REMOVE MASONITE	0.0	LSUM	1.0	1.0	\$10,000.00	\$10,000.00
X33	FAÇADE WALL NORTH OF BASKETBALL COURT	0.0	LSUM	1.0	1.0	\$20,000.00	\$20,000.00
X34	UNDERCUT, FOUNTAIN	0.0	LSUM	1.0	1.0	\$10,000.00	\$10,000.00
X35	CRACK SEALING WALLS (BITUTHENE)	0.0	EACH	40.0	40.0	\$150.00	\$6,000.00
X36	THERMAL BLANKETS	0.0	EACH/WK	54.0	54.0	\$25.00	\$1,350.00
X37	FOUNTAIN CONTROLLER UPGRADE	0.0	LSUM	1.0	1.0	\$3,850.00	\$3,850.00
*	EXCAVATION UNDER TOT LOT WALLS	0.0	CY	50.0	50.0	\$20.00	\$1,000.00
X1a	UNSUITABLE EXCAVATION (TOT LOT WALLS)	0.0	LOAD	4.0	4.0	\$175.00	\$700.00
<b>TOTAL PRICE ADJUSTMENT:</b>							<b>\$38,511.27</b>

# 2009-2013 Capital Project Sheet

Project # **SW-042**

## Project Description **Watershed Improvements, St. Joseph N. Br., Sub E**

**Project summary, justification and alignment to Strategic Plan**

Improvements are included in the Watershed Infrastructure Improvement Plan. This project involves bank stabilization of approximately 2,200 centerline feet of the North Branch of St. Joseph Creek (4,400 linear feet of stream bank) between Cumnor Road and Stanley Avenue (extended). Erosion in some areas of the project is threatening the loss of street and railroad right-of-way. The shear drop and unstable bank also cause concern over safety of pedestrians and automobiles. The Five Year Strategic Plan for 2009-2013 identifies a goal of top quality Village infrastructure and facilities. Supporting objectives include improving neighborhood infrastructure and upgrading the water system.

Cost Summary				FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Future Years	TOTAL
	New	Maintenance	Replacement							
Professional Services		x		100,000	200,000	75,000			415,000	<b>790,000</b>
Land Acquisition	x			350,000						<b>350,000</b>
Infrastructure		x		2,050,000	3,800,000	2,550,000			9,500,000	<b>17,900,000</b>
Building										-
Machinery/Equipment										-
Other/Miscellaneous										-
<b>TOTAL COST</b>				2,500,000	4,000,000	2,625,000	-	-	9,915,000	<b>19,040,000</b>

**Funding Source(s)**

<b>243-Stormwater Fund</b>	▼	2,500,000	4,000,000	2,625,000				9,915,000	<b>19,040,000</b>
	▼								-
	▼								-
	▼								-
<b>TOTAL FUNDING SOURCES</b>		2,500,000	4,000,000	2,625,000	-	-		9,915,000	<b>19,040,000</b>

**Project status and completed work**

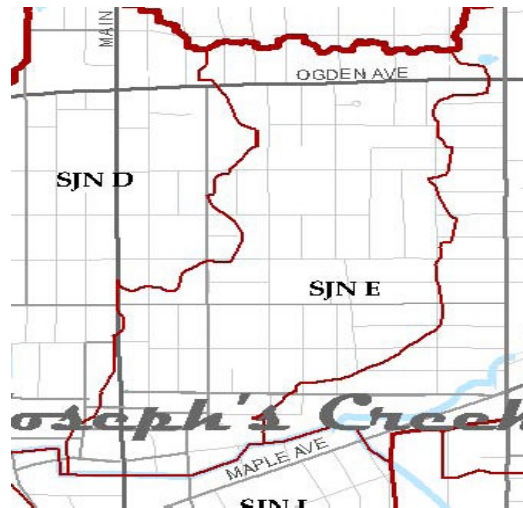
Detailed design began in 2008. Meetings with the Park District and affected residents were held. Construction is anticipated to begin in 2009.

**Grants (funded or applied for) related to the project.**

None

Impact-annual operating expenses	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Future Yrs	TOTAL
Projected Operating Expense Impact:							-

**Map/Pictures of Project**



**Internal staff information:**

Priority Score	1	Priority Setting Factor: H/S/W	81	Project Manager:	Michael D. Millette
Priority Status:	High	Program:	347	Department:	Public Works