

PUBLIC WORKS DEPARTMENT
MEMORANDUM #2011 – 48

DATE: December 08, 2011
TO: Honorable Mayor Joyce Downing and City Council Members
FROM: William A. Simmons, City Manager *WAS*
David H. Willett, Director of Public Works *DHW*
Shawn Cordsen, Director of Finance *SC*
SUBJECT: CR-148 Grange Hall Creek (Washington Street Detention)
Phase I – Amended IGA

BACKGROUND

Grange Hall Creek Improvements

The purpose of this project is to address existing drainage concerns along Grange Hall Creek from Grant Drive to Irma Drive. This is a multiple year and a multiple phase project. Proposed improvements include: improved flood conveyance, reduction in the Washington Street Pond embankment height to comply with jurisdictional dam criteria, stormwater quality, channel stability, erosion control, pedestrian and vehicular safety, passive recreation and aesthetics.

Project Partnership

This project is a cooperative effort between the City of Northglenn (Northglenn) and Urban Drainage and Flood Control District (UDFCD). This Capital Improvements Project is jointly funded. UDFCD may pay for up to half of the project costs. UDFCD is also responsible for the management of any consultants jointly hired, and for the overall management of the project.

Grange Hall Creek Project, Reach 1-7

The entire project extends from Grant Drive to Irma Drive. The creek corridor is broken into seven (7) Reaches. Each Reach is a segment of the creek corridor with easily definable upstream and downstream ends. Northglenn and UDFCD have worked together to develop the priorities for construction based on public safety and how the proposed improvements will impact the existing system. The priorities are listed below with each reach.

- Reach 1 – Grant Drive to Washington Street Pond Embankment (Priority 2)
- Reach 2 – Washington Street Pond Embankment to Washington Street (**Priority 1**)
- Reach 3 – Washington Street (**Priority 1**)
- Reach 4 – Channel from Washington Street to Larson Drive (**Priority 3**)
- Reach 5 – Larson Drive to Marion Street (Priority 3)
- Reach 6 – Marion Street to Irma Drive (Priority 2)
- Reach 7 – Irma Drive (Priority 4)

Why Focus on Reach 2, 3 & 4

UDFCD and Northglenn are considering **Priority 1 and part of Priority 3** of the project for construction at this time. This location is considered to be where the most critical public safety improvements are needed. The limits of this work will cover Reach No. 2 and 3 located at Washington Street spillway downstream to east of Washington Street with a pedestrian underpass at Washington Street. Reach No. 4 includes the channel between Washington Street and Larson Drive with the culverts under Larson Drive.

The improvements identified will address the greatest public safety concerns within the overall study area by improving the Washington Street culvert to pass the 100 year storm under the street, providing safe pedestrian

access across Washington Street by separating pedestrians and vehicles, and modifying the pond outlet structure to allow for passage of smaller storm events to leave room in the pond for storage of larger storm events. Improvements to the outlet structure will also reduce the frequency of stormwaters overtopping the spillway. Adding Reach 4 to the initial construction eliminates smaller event stormwater flows from backing up into the pedestrian box by expanding the capacity of the culverts under Larson Drive and stabilizes the creek channel between Washington Street and Larson Drive.

Design of Reach 2, 3 & 4 @ 100%

As the final design of Reaches 2, 3 & 4 moves forward, we are finishing the design to complete the lowering of the 48" water conduit in Washington Street, owned by Denver Water. The lowering of the water conduit is necessary to achieve the needed clearances for the depth of the pedestrian underpass and the low flow channel of the creek. The design cost is currently contracted at **\$256,460.00**.

Construction Cost for Reach 2, 3 & 4

The anticipated construction cost for Reach No. 2, 3 & 4 is approximately **\$2,750,000.00** (including pedestrian underpass and Denver Water main lowering).

NEXT STEPS

Amend IGA

Urban Drainage is requesting an amendment of the existing IGA to encumber additional funds for the Denver Water conduit lowering and construction of the improvements to Reaches 2, 3 & 4. This amendment of the IGA would encumber the \$100,000.00 from Urban Drainage and \$100,000.00 from Northglenn's 2011 budget. All funds placed into the escrow account with Urban Drainage will only be used for the design and construction of this project. At the end of this project, any funds not expended would be returned proportionally to Northglenn and Urban Drainage.

Future IGA Amendments

As we move forward with the final design of improvements for Reaches 2, 3 & 4 Northglenn would again need to amend the IGA with UDFCD to encumber the additional funds for construction of the Priority I and a portion of the Priority 3 improvements. UDFCD would continue to be the project manager with active involvement from Northglenn staff.

BUDGET/TIME IMPLICATIONS

Denver Water will only agree to the lowering of the waterline during the off season (or winter months). Therefore, in order to allow construction of the waterline during the 2012/2013 winter months, sufficient funding must be available for the completion of construction of Phase I. If sufficient funding is not available, construction will be delayed until the 2013/2014 winter months with UDFCD holding all available funds in an escrow account specifically for this project.

RECOMMENDATION

Attached to this memorandum is a Resolution that, if approved, would authorize the Mayor to execute the attached amended Intergovernmental Agreement with UDFCD and transfer \$100,000.00 to the escrow account to continue forward with the design and the construction of the improvements for Reaches No. 2, 3 and 4. Staff recommends approval of this resolution.

STAFF REFERENCE

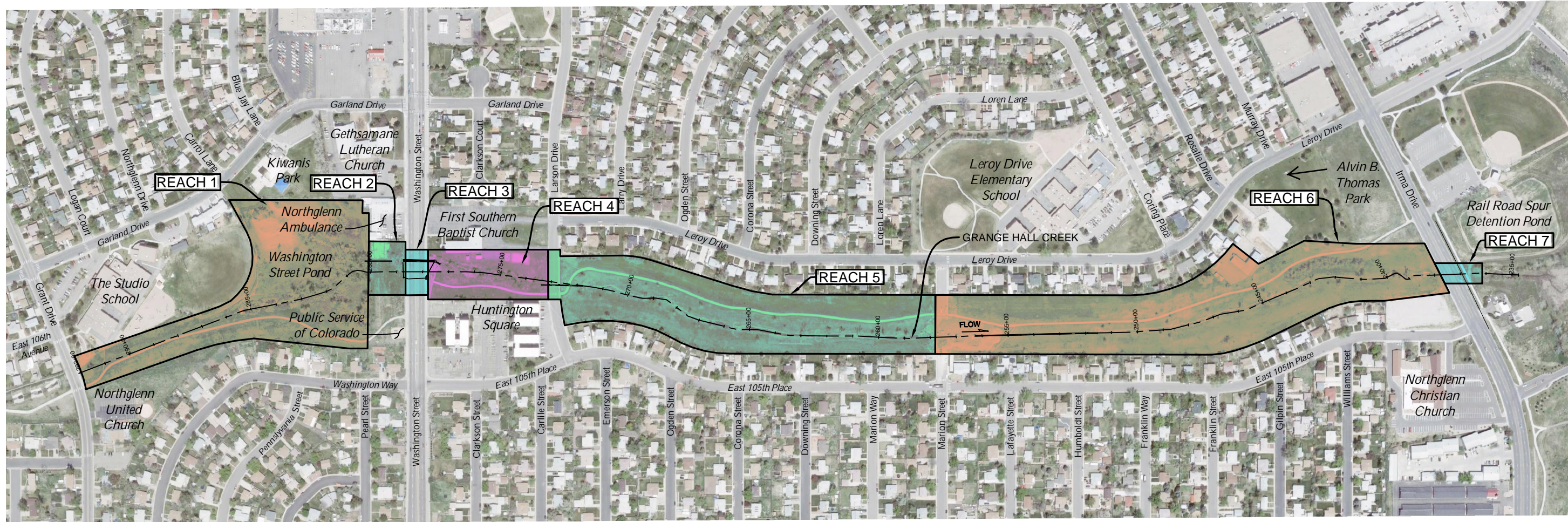
David H. Willett, P.E., Director of Public Works
Pam Acre, CSM, Stormwater Coordinator

dwillett@northglenn.org or 303.450.8783
pacre@northglenn.org or 303.450.8792

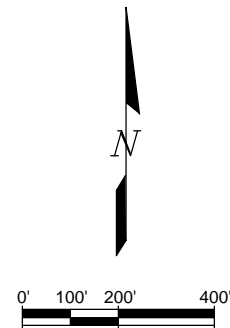
Attachment A - Reach identification map.

Attachment B - Appropriations explanation spreadsheet.

Attachment C - UDFCD Draft 5-Year CIP budget.



NAME: P:\09-033-01 Grange Hall Creek Grant to Larson\CAD\09-033-01 REACH1.MXD DATE: MAY 24, 2010 TIME: 1:57 PM



Attachment B

Appropriations	2009	2010	2011	2012	2013	Total Appropriations
Northglenn - CIP	600,000				1,050,000	1,650,000
Northglenn - CDBG					600,000	<u>600,000</u>
						<u>2,250,000</u>

UDFCD	100,000	50,000	100,000	400,000		650,000
						<u><u>2,900,000</u></u>

Estimated Costs						Total Estimated costs
Design	256,460					
Construction (incl. 251,000 contingency)				2,700,000		2,956,460
					Balance needed	56,460

Possible Additional funding

UDFCD \$200,000 to be requested in the 2013 budget
 AdCoO \$500,000 to be requested in the 2012 spring grant cycle

Attachment C

Urban Drainage and Flood Control District							
Five-Year Capital Improvement Plan - 2011 through 2015							
Draft - November 3, 2011							
		UDFCD Participation X \$1,000					
Project Number	Project Name	2011	2012	2013	2014	2015	Benefitting Entities
ADAMS COUNTY		(UDFCD total participation in Adams County must average about \$1,114,388 per year.)					
27-03	Little Dry Creek - Federal to Lowell		275.0	300.0			Westminster, Adams County
53-03	Brantner Gulch - at Holly		725.0				Thornton
42-03	Grange Hall Creek - at Washington	100.0	400.0				Northglenn
New	Baranmor Ditch - Peoria Street	200.0					Aurora
New	First Creek			250.0			Commerce City
29-01	North Outfall	125.0			250.0	500.0	Brighton
New	South Outfall Channel		100.0				Brighton
54-01	Utah Junction Clay Street Outfall			250.0	250.0		Adams County
New	Westerly Creek			300.0	150.0		Aurora
72-04	Page Gulch				200.0		Adams County
53-01	Bolling Drive Tributary	100.0	50.0				Aurora
New	Grange Hall Creek - Fastracks					100.0	Northglenn and Thornton
New	Grange Hall Ck -108th and Riverdale				100.0		Thornton
New	Grange Hall Ck - Fastracks, Rivrdale Trib					100.0	Thornton
53-06	Hoffman Drainageway				150.0	200.0	Adams County
	Unidentified Project					200.0	
ADAMS COUNTY TOTALS		525.0	1,550.0	1,100.0	1,100.0	1,100.0	

SPONSORED BY: MAYOR DOWNING

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-148
Series of 2011

Series of 2011

A RESOLUTION APPROVING AN AMENDMENT TO THE INTERGOVERNMENTAL AGREEMENT BETWEEN THE CITY OF NORTHGLENN AND THE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT REGARDING THE WASHINGTON STREET DETENTION AREA PROJECT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT:

Section 1. The Amendment to the Intergovernmental Agreement between the City of Northglenn and the Urban Drainage and Flood Control District regarding the Washington Street Detention Area Project, attached hereto as Exhibit 1, is hereby approved and the Mayor is authorized to execute same on behalf of the City.

DATED at Northglenn, Colorado, this ____ day of _____, 2011.

JOYCE DOWNING
Mayor

ATTEST:

JOHANNA SMALL, CMC
City Clerk

APPROVED AS TO FORM:

COREY Y. HOFFMANN
City Attorney

AMENDMENT TO
AGREEMENT REGARDING
DESIGN AND CONSTRUCTION
OF DRAINAGE AND FLOOD CONTROL IMPROVEMENTS FOR
GRANGE HALL CREEK – GRANT DRIVE TO LARSON STREET,
CITY OF NORTHGLENN

Agreement No. 08-08.06B

THIS AGREEMENT, made this _____ day of _____, 2011 by and between URBAN DRAINAGE AND FLOOD CONTROL DISTRICT (hereinafter called "DISTRICT") and CITY OF NORTHGLENN (hereinafter called "CITY") and collectively known as "PARTIES";

WITNESSETH:

WHEREAS, PARTIES have entered into "Agreement Regarding Design and Construction of Drainage and Flood Control Improvements for Grange Hall Creek – Grant Drive to Larson Street, City of Northglenn" (Agreement No. 08-08.06) dated February 9, 2009, as amended; and

WHEREAS, PARTIES now desire to construct improvements along Grange Hall Creek from Grant Drive to Larson Street; and

WHEREAS, PARTIES desire to increase the level of funding by \$200,000; and

WHEREAS, DISTRICT's Board of Directors has authorized additional DISTRICT financial participation for PROJECT (Resolution No. 17, Series of 2011); and

WHEREAS, the City Council of CITY and the Board of Directors of DISTRICT have authorized, by appropriation or resolution, all of PROJECT costs of the respective PARTIES.

NOW, THEREFORE, in consideration of the mutual promises contained herein, PARTIES hereto agree as follows:

1. Paragraph 4. PROJECT COSTS AND ALLOCATION OF COSTS is deleted and replaced as follows:
 - A. PARTIES agree that for the purposes of this Agreement PROJECT costs shall consist of and be limited to the following:
 1. Final design services;
 2. Delineation, description and acquisition of required rights-of-way/easements;
 2. Construction of improvements;
 3. Contingencies mutually agreeable to PARTIES.
 - B. It is understood that PROJECT costs as defined above are not to exceed \$550,000 without amendment to this Agreement.

PROJECT costs for the various elements of the effort are estimated as follows:

<u>ITEM</u>	<u>AMOUNT</u>
1. Final Design	\$300,000
2. Construction *	200,000
3. Contingency	50,000

Grand Total \$550,000

* It is anticipated that funds for construction shall be added to this Agreement at a future date.

This breakdown of costs is for estimating purposes only. Costs may vary between the various elements of the effort without amendment to this Agreement provided the total expenditures do not exceed the maximum contribution by all PARTIES plus accrued interest.

C. Based on total PROJECT costs, the maximum percent and dollar contribution by each party shall be:

	<u>Percentage Share</u>	<u>Previously Contributed</u>	<u>Additional Contribution</u>	<u>Maximum Contribution</u>
DISTRICT	45.45%	\$150,000	\$100,000	\$250,000
CITY	54.55%	\$200,000	\$100,000	\$300,000
TOTAL	100.00%	\$350,000	\$200,000	\$550,000

2. Paragraph 5. MANAGEMENT OF FINANCES is deleted and replaced as follows:

5. MANAGEMENT OF FINANCES

As set forth in DISTRICT policy (Resolution No. 11, Series of 1973, Resolution No. 49, Series of 1977, and Resolution No. 37, Series of 2009), the funding of a local body's one-half share may come from its own revenue sources or from funds received from state, federal or other sources of funding without limitation and without prior Board approval. Payment of each party's full share, as detailed above in Item 1. Paragraph 4.C. (CITY - \$300,000; DISTRICT - \$250,000) shall be made to DISTRICT subsequent to execution of this Agreement and within 30 days of request for payment by DISTRICT. The payments by PARTIES shall be held by DISTRICT in a special fund to pay for increments of PROJECT as authorized by PARTIES, and as defined herein. DISTRICT shall provide a periodic accounting of PROJECT funds as well as a periodic notification to CITY of any unpaid obligations. Any interest earned by the monies contributed by PARTIES shall be accrued to the special fund established by DISTRICT for PROJECT and such interest shall be used only for PROJECT upon approval by the contracting officers (Paragraph 13).

Within one year of completion of PROJECT if there are monies including interest earned remaining which are not committed, obligated, or disbursed, each party shall receive a share of such monies, which shares shall be computed as were the original shares.

3. All other terms and conditions of Agreement No. 08-08.06 shall remain in full force and effect.

WHEREFORE, PARTIES hereto have caused this instrument to be executed by properly authorized signatories as of the date and year first above written.

URBAN DRAINAGE AND
FLOOD CONTROL DISTRICT

(SEAL)

By _____

ATTEST:

Title Executive Director

Date _____

CITY OF NORTHGLENN

(SEAL)

By _____

ATTEST:

Title _____

Date _____

APPROVED AS TO FORM:

City Attorney