

# Memorandum



DATE March 3, 2011

TO Trinity River Corridor Project Committee Members:

David A. Neumann (Chairman)

Steve Salazar (Vice-Chair)

Deputy Mayor Pro Tem Pauline Medrano

Carolyn R. Davis

Vonciel Jones Hill

Delia D. Jasso

Linda Koop

Ann Margolin

SUBJECT **Tree Removal on the Trinity River Levee System**

The trees along the Trinity River in the Dallas Levee System were removed to comply with the Corps' 15-foot no vegetation zone. This was done to allow for flood fighting access and levee inspection, as well as improve the access to the levee system for operation and maintenance. According to the Corps standards, all trees and roots had to be removed to a point where no more than one half inch diameter roots are left in the soil. This was done to reduce the chances of seepage, as well as assist in maintaining the levee soil integrity in the event of a flood.

During the tree removal process, the City and contractor discovered in order to comply with the Corps requirements of root removal, the estimated excavation area was significantly smaller than that realized in the field. In order to ensure the integrity of the levee, backfill had to be done immediately and stabilized with lime after the roots were removed. This resulted in bringing in more lime to stabilize the disturbed soil and hydromulch to cover the additional disturbed areas during the tree removal and root chasing process.

The City agreed to bring in additional lime to stabilize the soil and additional hydromulch to ensure the integrity of the levees are not compromised. An agenda item to ratify the emergency work on the tree removal contract is going to be in the council agenda on March 9, 2011.

If you have additional questions, please let me know.

Jill A. Jordan, P.E.

Assistant City Manager



**THE TRINITY**  
DALLAS

Cc: Honorable Mayor and Members of the City Council  
Mary K. Suhm, City Manager  
Ryan S. Evans, First Assistant City Manager  
A. C. Gonzalez, Assistant City Manager  
Forest E. Turner, Assistant City Manager  
Jeanne Chipperfield, Chief Financial Officer  
Deborah A. Watkins, City Secretary

Thomas P. Perkins, Jr., City Attorney  
Craig D. Kinton, City Auditor  
Judge C. Victor Lander  
Helena Stevens-Thompson, Assistant to the City Manager  
Frank Libro, Director, Public Information Office  
Kelly High, Director, Trinity Watershed Management  
Rebecca Rasor, P.E., Managing Director, Trinity River Corridor Project

**KEY FOCUS AREA:** Economic Vibrancy  
**AGENDA DATE:** March 9, 2011  
**COUNCIL DISTRICT(S):** All  
**DEPARTMENT:** Trinity Watershed Management  
**CMO:** Jill A. Jordan, P.E., 670-5299  
**MAPSCO:** 42 43 44 45 55 and 56

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**SUBJECT**

Ratify emergency work performed on an existing service contract with Young's General Contracting, Inc. for additional hydromulch and lime stabilization located within the specific buffer areas along the Trinity River Levee System - Not to exceed \$191,627 - Financing: Stormwater Drainage Management Funds

**BACKGROUND**

Periodic Inspection #9 of the Dallas Floodway Levee System was performed in 2007 by the U.S. Army Corps of Engineers (Corps) and provided to the City in March 2009. The final results of the inspection were an unacceptable rating for the levee system. One of the major categories determined to be unacceptable involved trees growing within fifteen feet of the toe or base of the levee. To correct this deficiency, the removal areas were identified; plans and specifications detailing the proper method of removal were prepared and applied to the service contract.

These trees were removed to comply with the Corps' 15-foot no vegetation zone and other trees to allow for the flood fighting access and levee inspection. According to the Corps standards, all trees and roots had to be removed to a point where no more than one half inch diameter roots are left in the soil. This was done to reduce the changes of seepage, as well as assist in maintaining the levee soil integrity in the event of a flood.

During the tree removal process, the City and contractor found that in order to remove roots as required by the Corps, the excavation limits shown on the plans had to be expanded. In order to ensure the integrity of the levee, backfill had to be done immediately and stabilized after the roots were removed. This resulted in bringing in more lime to stabilize the disturbed soil and hydromulch to cover the additional disturbed areas during the tree removal and root chasing process. In addition, 7 trees were removed in the 15-foot no vegetation zone which were not in the original contract.

**ESTIMATED SCHEDULE OF PROJECT**

Began Construction            September 2010  
Complete Construction        April 2011

**PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)**

Authorized Supplemental Agreement No. 2 to the professional services contract with HNTB Corporation for engineering services to provide analysis, modeling, planning and design for the Dallas Flood Levee System Study in order to correct documented deficiencies from Periodic Inspection #9 on June 10, 2009, by Resolution No. 09-1498.

The Trinity River Corridor Project Committee was briefed by memo on August 17, 2010.

Authorized a construction services contract with Young's General Contracting, Inc. for the removal of trees located within the specific buffer areas along the Trinity River Levee System on September 8, 2010, by Resolution No. 10-2324.

**FISCAL INFORMATION**

Stormwater Drainage Management Funds - \$191,627

**ETHNIC COMPOSITION**

Young's General Contracting, Inc.

Hispanic Female	0	Hispanic Male	0
African-American Female	0	African-American Male	2
Other Female	0	Other Male	0
White Female	3	White Male	11

**OWNER**

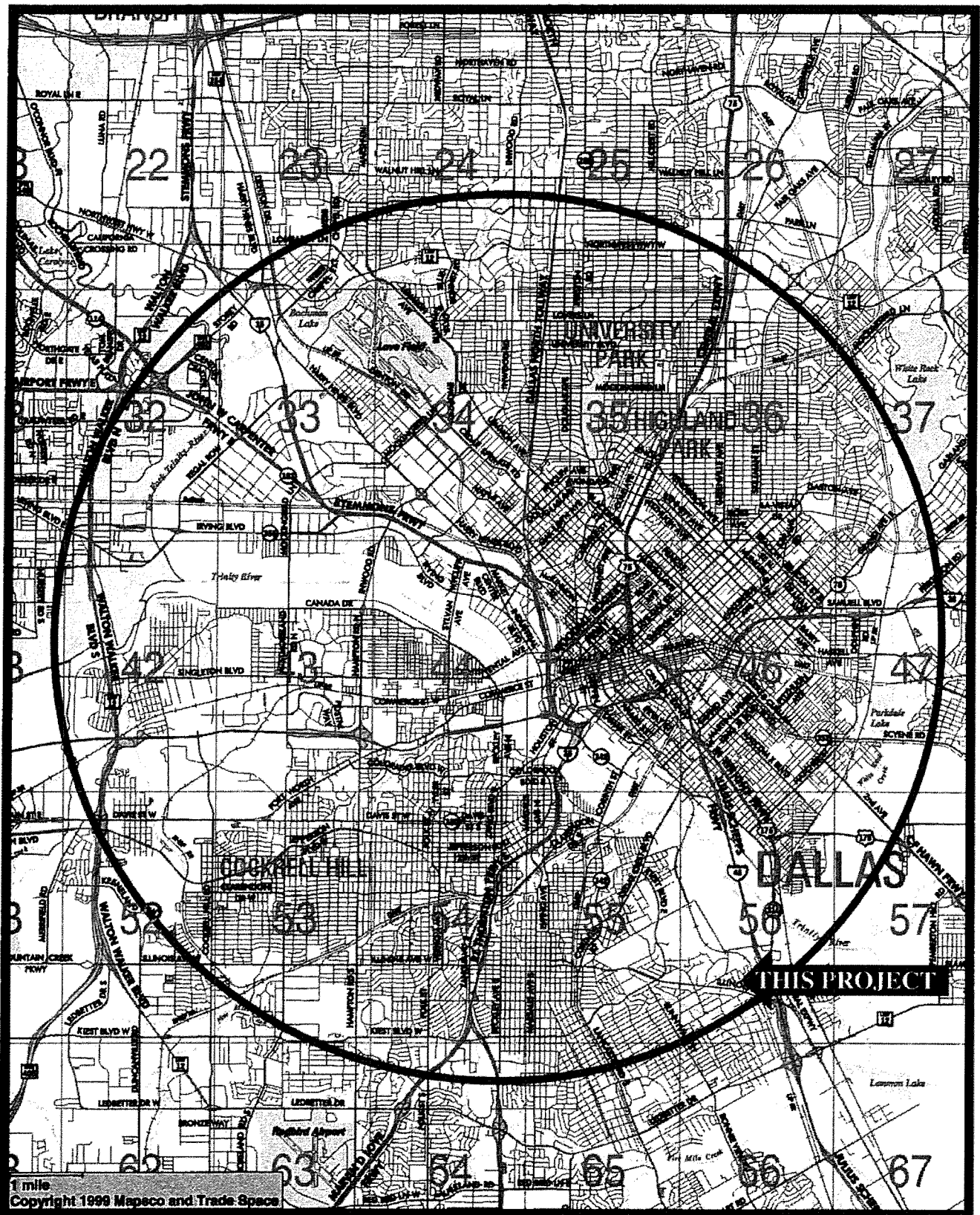
**Young's General Contracting, Inc.**

Dennis Young, President

**MAP**

Attached

# LEVEE TREE REMOVAL



Mapsco 42 to 45, 55, 56