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CITY SECRETARY
DALLAS, TEXAS



Memorandum

DATE 9 September 2011

TO Trinity River Corridor Project Committee Members: Linda Koop (Vice Chair), Monica Alonzo, Scott Griggs, Angela Hunt, Delia Jasso

SUBJECT Revised - Trinity River Corridor Project Council Committee Meeting Agenda

Monday, 12 September 2011, 3:15 P.M.

Dallas City Hall – 6ES, 1500 Marilla Street, Dallas, TX 75201


The agenda for the meeting is as follows:

1. Approval of 7 June 2011 minutes
(3:15 p.m. – 3:20 p.m.) Vonciel Jones Hill, Chair
2. Dallas Floodway Extension Repayment
Agreement Discussion
(3:20 p.m. – 4:05p.m.) Jill A. Jordan, P.E., Assistant City
Manager
3. Trinity River Corridor Project
Overview of Flood Control Components
(4:05 p.m. – 4:25 p.m.) Rebecca Rasor, P.E., Managing
Director, Trinity Watershed
Management
4. Committee Calendar
(4:25 p.m. – 4:35 p.m.) Vonciel Jones Hill, Chair
5. Upcoming Potential Council Agenda Item(s): 14 September 2011 and 28 September 2011
(4:35 p.m. – 4:40 p.m.)
 - Authorize **(1)** execution of a Cooperating Technical Partners (CTP) Agreement with the Federal Emergency Management Agency (FEMA) for FY 2011-12 to provide a 75% cost share for updating certain flood studies in the City of Dallas; **(2)** the receipt and deposit of funds in an amount not to exceed \$665,000 from FEMA; **(3)** establish appropriations in the amount of \$665,000 in the FEMA Cooperating Technical Partnership Funds; and **(4)** Supplemental Agreement No. 1 to the contract with Halff Associates, Inc. in the amount of \$886,500, from \$900,000 to \$1,786,500, for updating certain flood studies in accordance with the Cooperating Technical Partners (CTP) Agreement with the FEMA for FY 2011-12 - Total not to exceed \$886,500 - Financing: Stormwater Drainage Management Funds (\$221,500) and FEMA Cooperating Technical Partnership Fund (\$665,000) **(DRAFT)**

- Authorize an increase in the contract with Archer Western Construction, LLC for the rehabilitation of wastewater gates located at the East, Rochester, and Central Wastewater Treatment Plant levees in order to comply with the Federal Emergency Management Agency National Flood Insurance Program - Not to exceed \$156,871, from \$2,228,000 to \$2,384,871 - Financing: Water Utilities Capital Improvement Funds **(DRAFT)**

Adjourn
(4:45 p.m.)

Please let me know if you have questions.


Vonciel Jones Hill, Chair
Trinity River Corridor Project Committee



cc: Honorable Mayor and Members of the City Council
Mary K. Suhm, City Manager
A. C. Gonzalez, First Assistant City Manager
Ryan S. Evans, Assistant City Manager
Jill A. Jordan, P.E., Assistant City Manager
Forest E. Turner, Assistant City Manager
Joey Zapata, Interim Assistant City Manager

Kelly High, Director, Trinity Watershed Management
Rebecca Rasor, P.E., Managing Director, Trinity River Corridor Project
Paul D. Dyer, Director, Park and Recreation
Theresa O'Donnell, Director, Sustainable Development & Construction
Rosa A. Rios, Interim City Secretary
Helena Stevens-Thompson, Assistant to the City Manager - Council

A closed executive session may be held if the discussion of any of the above agenda items concerns one of the following:

1. Contemplated or pending litigation or matters where legal advice is requested of the City Attorney. Section 551.071 of the Texas Open Meetings Act.
2. The purchase, exchange, lease or value of real property, if the deliberation in an open meeting would have a detrimental effect on the position of the City in negotiations with a third person. Section 551.072 of the Texas Open Meetings Act.
3. A contract for a prospective gift or donation to the City, if the deliberation in an open meeting would have a detrimental effect on the position of the City in negotiations with a third person. Section 551.073 of the Texas Open Meetings Act.
4. Personnel matters involving the appointment, employment, evaluation, reassignment, duties, discipline or dismissal of a public officer or employee or to hear a complaint against an officer or employee. Section 551.074 of the Texas Open Meetings Act.
5. The deployment, or specific occasions for implementation of security personnel or devices. Section 551.076 of the Texas Open Meetings Act.



Trinity River Corridor Project Committee Meeting Record

The Trinity River Corridor Project Committee Meetings (TRCPC) are recorded. Agenda materials and audiotapes may be reviewed/copied by contacting the Trinity River Corridor Project Committee Coordinator at 214-671-9500.

Meeting Date: 6/7/2011

Convened: 9:32AM

Adjourned: 11:20AM

Committee Members Present:

David Neumann, Chairman
Steve Salazar, Vice Chairman
Deputy Mayor Pro Tem Pauline Medrano
Vonciel Jones Hill
Delia D. Jasso
Linda Koop
Ann Margolin
Carolyn R. Davis

City Staff Present:

Jill A. Jordan, P.E., ACM
Kelly High, TWM
Rebecca Rasor, P.E., TWM
Elizabeth Fernandez, P.E., TWM
Alan Hendrix, P.E., PWT

Committee Members Absent:

Other City Councilmember's Present:

AGENDA:

1. Approval of minutes for May 17, 2011 Trinity River Corridor Project Committee Meeting

Presenter: David A. Neumann, Chairman

Action Taken/Committee Recommendation(s):

Motion made by:	<u>Vonciel Jones Hill</u>	Motion seconded by:	<u>Linda Koop</u>
Item passed unanimously:	<u>X</u>	Item passed on a divided vote:	<u> </u>
Item failed unanimously:	<u> </u>	Item failed on a divided vote:	<u> </u>

2. Trinity River Corridor Project Update

Presenter: Rebecca Rasor, P.E., Trinity Watershed Management

3. Trinity River Wind Festival

Presenter: Rebecca Rasor, P.E., Trinity Watershed Management

4. Riverfront Boulevard from Cadiz Street to Continental Avenue

Presenter: Alan Hendrix, P.E., Public Works & Transportation

5. Floodplain Program Management Assistance (PBCUR011) – Supplemental Agreement #3 (Memo for Discussion)

Presenter: Elizabeth Fernandez, P.E., Trinity Watershed Management

6. 100-Year Levee Remediation Project Status Report (Memo for Discussion)

Presenter: Kelly High, Trinity Watershed Management

7. Upcoming Potential Items for Council Agenda (6/22/11)

- a) Authorize contract for grading and utilities, soccer fields, parking, drives, lighting, vending and toilet pavilions, loop trail, irrigation, landscaping, fencing and site furnishings at Elm Fork Athletic Complex located at 2200 block of Walnut Hill Lane - Rogers-O'Brien Construction Company, Ltd., best value proposer of seven - Not to exceed \$15,289,695 - Financing: 2006 Bond Funds (\$14,789,695) and Texas Parks and Wildlife Grant Funds (\$500,000) **(DRAFT)**
- b) Authorize a three-year service contract for grounds maintenance services at floodway sumps - Good Earth Landscaping & Management, LTD, lowest responsible bidder of three - Not to exceed \$1,398,044 - Financing: Stormwater Drainage Management Funds (subject to annual appropriations) **(DRAFT)**
- c) Authorize settlement in lieu of proceeding further with condemnation in the lawsuit styled, City of Dallas v. Mainland Land & Equipment Co., et al, Cause No. cc-09-09703-a pending in the County Court At Law No. 1, for a tract of land containing approximately 48 acres from Mainland Land & Equipment Co. located near the intersection of Morrell Avenue and Sargent Road for the Dallas Floodway Extension portion of the Trinity River Corridor Project - Not to exceed \$226,500 (\$223,000 plus closing costs not to exceed \$3,500) – Financing: Trinity River Corridor Project Fund, U.S. Army Corps of Engineers Project Cooperation Funds **(DRAFT)**
- d) Authorize Supplemental Agreement No. 3 to the professional services contract with Halff Associates, Inc. for additional design and analysis for floodplain management assistance - Not to exceed \$310,000, from \$672,700 to \$982,700 - Financing: Current Funds (\$310,000) (to be reimbursed by Stormwater Drainage Management Funds) **(DRAFT)**
- e) Authorize a professional services contract with Halff Associates, Inc. for the engineering design of Pedestrian and Bicycle Enhancements to the Cedar Crest Bridge and the Moore Park Trail Extension – Not to exceed \$549,945 – Financing: 1998 Bond Funds (\$549,945) **(DRAFT)**
- f) Authorize Supplemental Agreement No. 3 to the professional services contract with Arun Wagh, Inc., Geotechnical & Environmental Consultants, for additional independent external peer review services for the 100-Year Levee Improvement Project, Baker Pump Station, and Able Pump Station for the Trinity River Corridor Project - Not to exceed \$85,225, from \$205,352 to \$290,577 **(DRAFT)**
- g) Authorize Supplemental Agreement No. 3 to the professional services contract with David T. Williams and Associates, Engineers, LLC, for additional independent external peer review services for the 100-Year Levee Improvement Project, Baker Pump Station Project, and Able Pump Station for the Trinity River Corridor Project - Not to exceed \$89,580, from \$294,752 to \$384,332 **(DRAFT)**
- h) Authorize Supplemental Agreement No. 3 to the professional services contract with George Sills Geotechnical Engineering Consultant, LLC, for additional independent external peer review services for the 100-Year Levee Improvement Project, Baker Pump Station and Able Pump Station, and Flood Control Training for the Trinity River Corridor Project and - Not to exceed \$95,948, from \$292,425 to \$388,373 **(DRAFT)**

8. Upcoming Events

- a) 3rd Annual Trinity River Photo Contest Launches on Wednesday, June 15, 2011.
- b) Groundwork Dallas and Hyatt Hotels Service Day, Thursday, June 16, 2011 from 9:00AM – Noon at I35 and Regal Row.
- c) Student Conservation Association and Southwest Airlines Service Day to celebrate Southwest Airlines 40th Anniversary, Friday, June 17, 2011 from 9:00AM – 11:30AM at Rochester Park, 3000 Municipal Street, Dallas, TX 75215.
- d) Let's Cowboy Up Trail Ride and Camp Out, Friday, June 17, 2011 thru Sunday, June 19, 2011 at 5950 Elam Road, Dallas, TX 75217. For more information on scheduled events call 469-248-2588.

APPROVED BY:

Vonciel Jones Hill, Chair
Trinity River Corridor Project Committee

ATTEST:

Crystal Lee, Senior Office Assistant
Trinity River Corridor Project Committee

Memorandum



CITY OF DALLAS

DATE 9 September 2011

TO Trinity River Corridor Project Committee Members: Vonciel Jones Hill (Chair)
Linda Koop (Vice-Chair), Monica Alonzo, Scott Griggs, Delia Jasso, Angela Hunt

SUBJECT **Dallas Floodway Extension Repayment Agreement Discussion**

At the next Trinity River Corridor Project Committee meeting on Monday, September 12, 2011, the attached briefing will provide an overview of the Dallas Floodway Extension Project, funding and potential repayment agreement requested by the US Army Corps of Engineers.

Please contact me if you have questions.

Jill A. Jordan, P.E.
Assistant City Manager



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Attachment

cc: Honorable Mayor and Members of the City Council
Mary K. Suhm, City Manager
A. C. Gonzalez, First Assistant City Manager
Ryan S. Evans, Assistant City Manager
Jill A. Jordan, P.E., Assistant City Manager
Forest E. Turner, Assistant City Manager
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Paul D. Dyer, Director, Park and Recreation
Theresa O'Donnell, Director, Sustainable Development & Construction
Helena Stevens-Thompson, Assistant to the City Manager - Council
Rosa A. Rios, Interim City Secretary

Dallas Floodway Extension Repayment Agreement Discussion

Trinity River Corridor Project Committee
September 12, 2011



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Purpose of Briefing:



- Provide an overview of the Dallas Floodway Extension Project (DFE)
- Outline funding for DFE
- Request repayment of Corps' cash disbursement to the City
- Next Steps

Overview



- DFE is a joint project between the US Army Corps of Engineers and the City
- Flooding occurred around Rochester Park & Cadillac Height neighborhoods and at the Central Wastewater Treatment Plant in 1989 and 1990
- Congress appropriated funding for the DFE study in October 1990 and the Corps began studying the project to reshape it into the project known today
- During this time, the City proceeded with design and construction activities for the Rochester Park and Central Wastewater Treatment Plant Levees



Overview



- City coordinated with the Corps in an effort to ensure Rochester Park and Central Wastewater Treatment Plant Levees would be compatible with the larger DFE Project
- In 1996, Congress included a provision in Water Resources Development Act (WRDA) to officially add Rochester Park and Central Wastewater Treatment Plant Levees to the DFE project and included language that would provide the City with a credit for design and construction activities
- At that time, the City and Corps estimated that \$22.174M would be credited and applied to the City's cost share requirements, pending completion of technical acceptance



Overview



- As the Corps was finalizing the DFE study, the Corps provided preliminary costs to the City to assist with development of the 1998 Bond Program Needs Inventory
 - Project estimates for construction were approximately \$127M
- City had to provide approximately \$47M for cost sharing and land acquisition purposes
- City assumed the estimated credit of \$22.174M would be applied to the DFE leaving a cash need of approximately \$24.7M
- In the 1998 Bond Program, voters passed Proposition 11 for \$246M for the Trinity River Corridor Project
 - \$24.7M was dedicated for the DFE



Overview



- In 1999, the Corps completed the DFE study and began design and construction activities
- DFE Project protects Southern Dallas by:
 - Extending the levee system to include South Lamar, Central Wastewater Treatment Plant, Rochester Park and Cadillac Heights neighborhoods
 - Creating a system of wetland cells providing flood control and ecosystem restoration benefits
 - Providing recreational opportunities through addition of trails and other facilities



DFE Funding



- In 2004, Corps began sending the City cash disbursements for design and construction activities at Rochester Park and Central Wastewater Treatment Plant Levees
- The City has received 3 cash disbursements totaling \$15M from the Corps
- The City accepted and appropriated these funds to be used for purchase of properties necessary for the DFE
 - To date, the City has spent \$8M of the \$15M to purchase properties



DFE Funding



- In 2010 and 2011, the Corps performed a financial review of the DFE and opined:
 - Cash disbursements represented an inaccurate and inappropriate interpretation of the WRDA 1996 authorization
 - Corps requested the City to reimburse
 - Corps submitted a repayment agreement to the City to reconcile these payments that the Corps contends are improper



DFE Funding – Repayment Agreement



- The Corp is requesting the City enter into a five-year repayment agreement that includes:
 - Two (2) \$500,000 payments in FY11 & FY12
 - Three (3) \$4,667,000 payments in FY13, FY14 & FY15
- City staff have explored various options for the requested repayment
- City has \$7M in unspent funds and could use these to make full payments through FY13 and a partial payment in FY14
- City would have to allocate \$8M for FY14 and FY15 from future general funds, future bond funds, cancel and reallocate funds in existing flood proposition or reallocate remaining 1998 Bond funds
 - \$5.05M of the \$24.7M from Proposition 11 of the 1998 Bond Program could be used



Next Steps



- Corps is requesting approval by the City Council to enter into a repayment agreement on the September 28th Addendum
- Upon recommendation of the Trinity River Corridor Project Committee, City staff will place a repayment agreement on the September 28th Addendum

QUESTIONS?



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Memorandum



CITY OF DALLAS

DATE September 9, 2011

TO Trinity River Corridor Project Committee Members: Vonciel Jones Hill (Chair)
Linda Koop (Vice-Chair), Monica Alonzo, Scott Griggs, Angela Hunt, Delia Jasso

SUBJECT **Trinity River Corridor Project Overview of Flood Control Components**

At the next Trinity River Corridor Project Committee meeting on Monday, September 12, 2011, the attached briefing will be presented by Rebecca Rasor, P.E., Managing Director of the Trinity River Corridor Project. This briefing will provide an overview of the flood control components of the project and includes updates for recent progress on specific components.

Please contact me if you have questions.



Jill A. Jordan, P.E.
Assistant City Manager

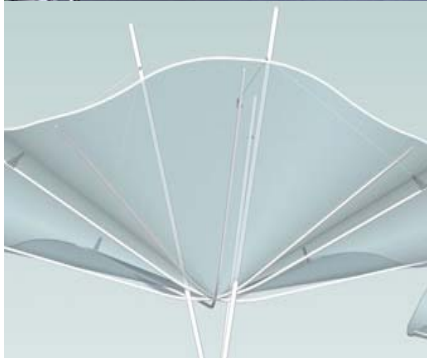
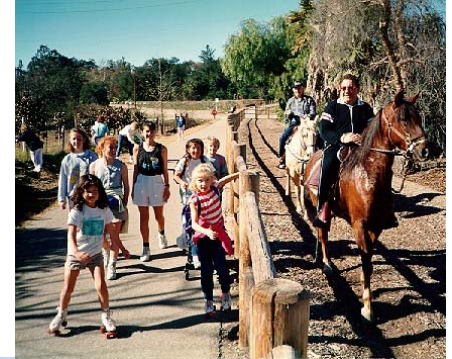


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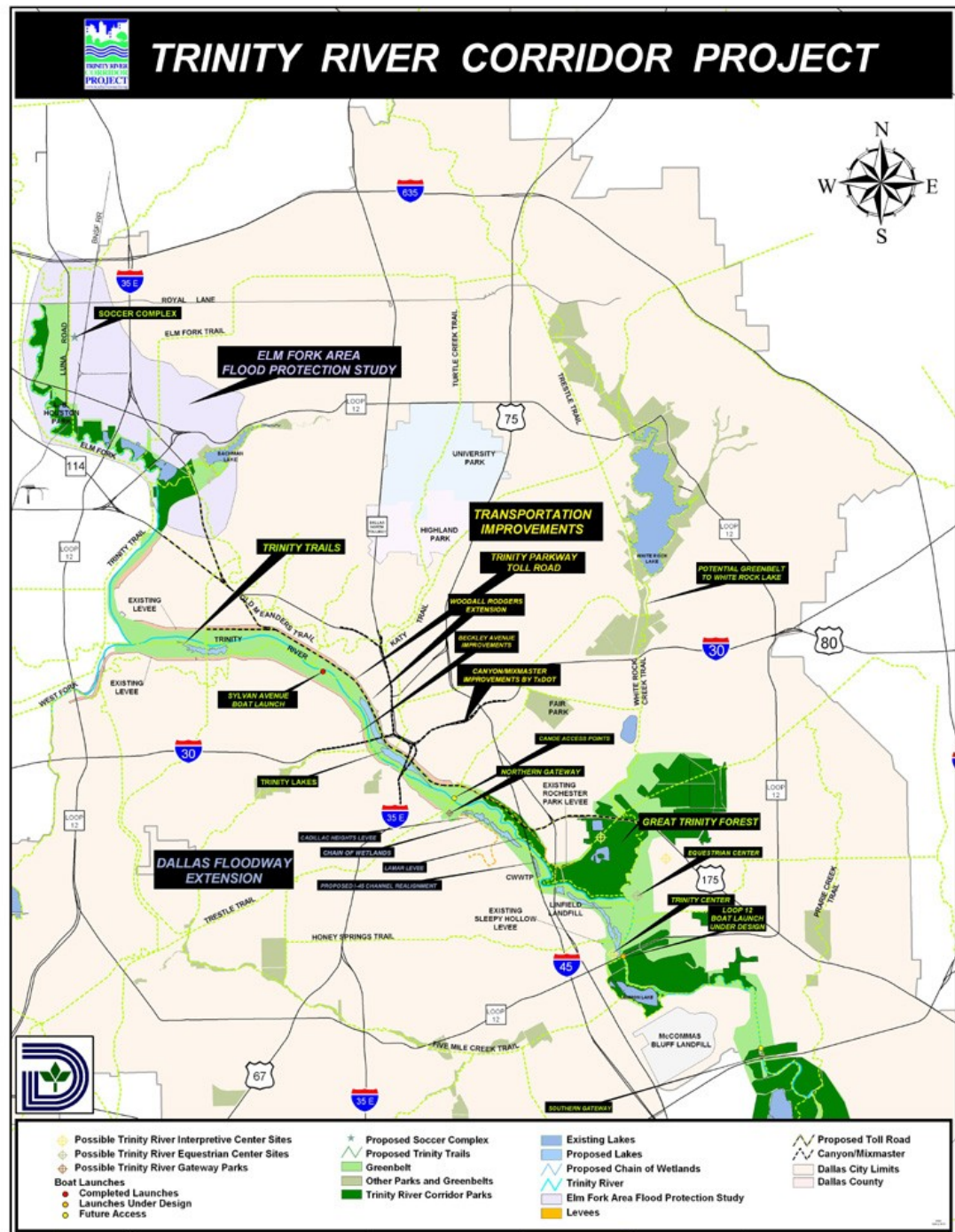


Trinity River Corridor Project Overview of Flood Control Components

Trinity River Corridor Project Committee

September 12, 2011

The project covers 20 miles of the Trinity River, approx. 10,000 acres

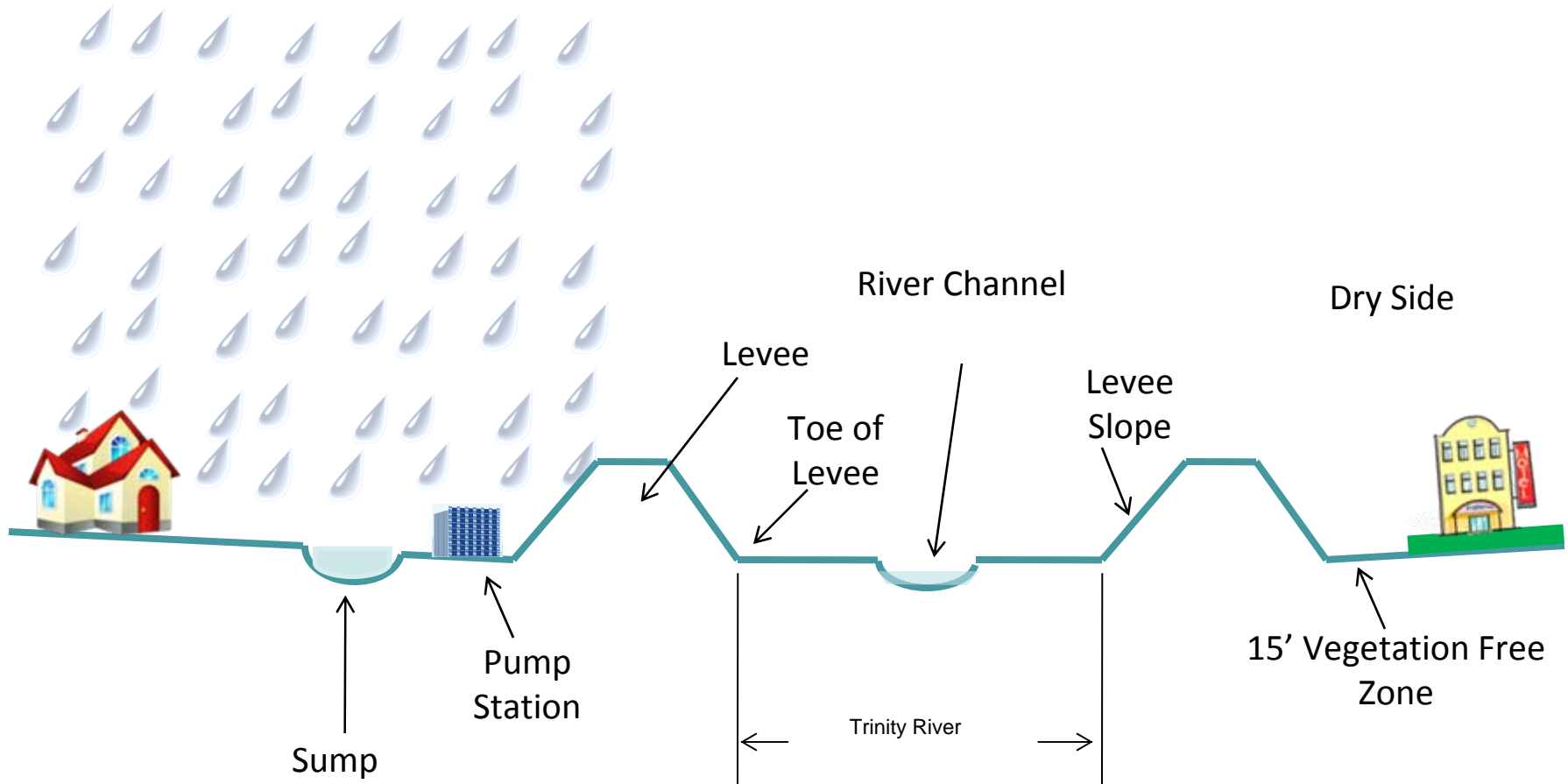


This project addresses a number of regional concerns, though **flood protection** remains the **essential cornerstone** of this multi-faceted effort. The inter-related components of the project are:

- Flood Protection – TODAY, Sept. 12, 2011
- Recreation – Oct. 24, 2011
- Transportation – Oct. 24, 2011
- Environmental Restoration - TBD
- Community/economic development - TBD



Definitions

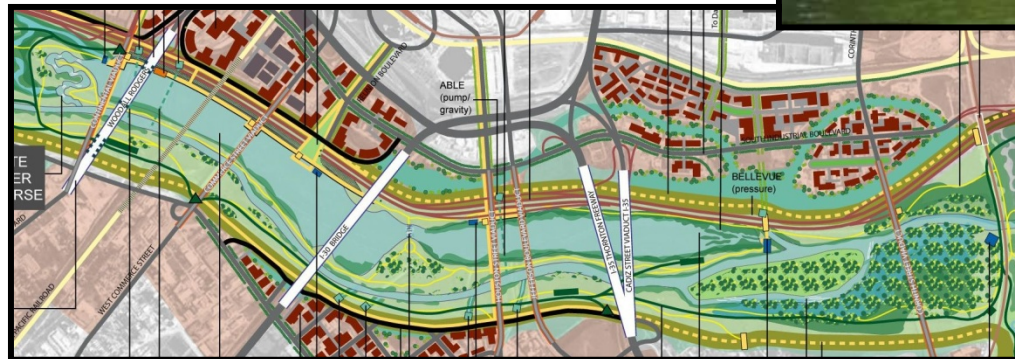


Interior Drainage

refers to the system of sump & pump stations – note that both dry sides of levees have interior drainage and vegetation free zones

Flood Protection Components

Dallas Floodway Extension (DFE) levees and wetlands for flood conveyance



Elm Fork Flood Improvements; berms and wetlands for flood conveyance

 **Dallas Floodway levee raise and flood conveyance (lakes)**

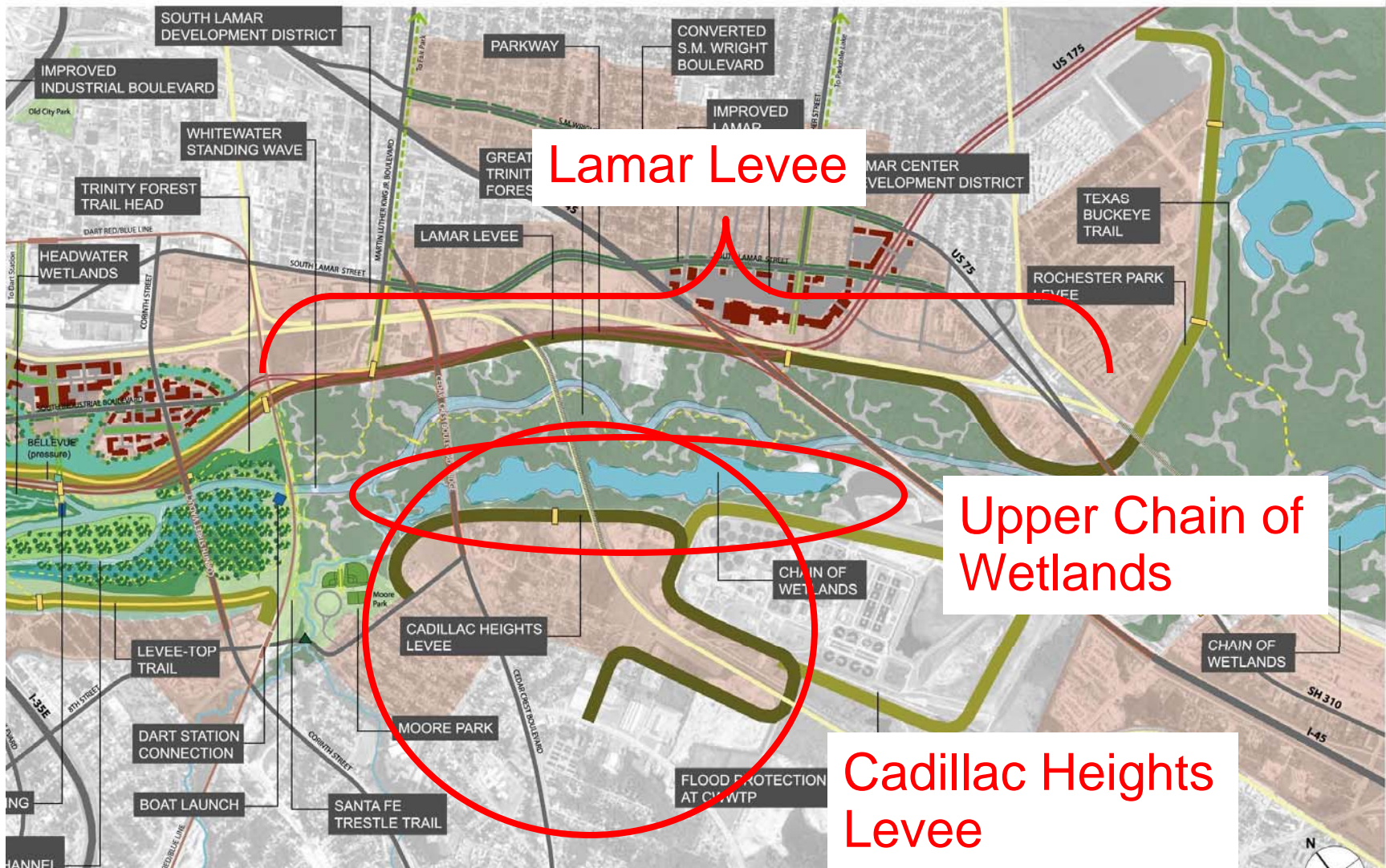
Lower Chain of Wetlands



Cells D, E, F & G are complete, and doing their job!



Future Work: DFE Levees & Wetlands



- Upper Chain of Wetlands and Lamar Levee under design
- Work could start on the Upper Chain in 2012



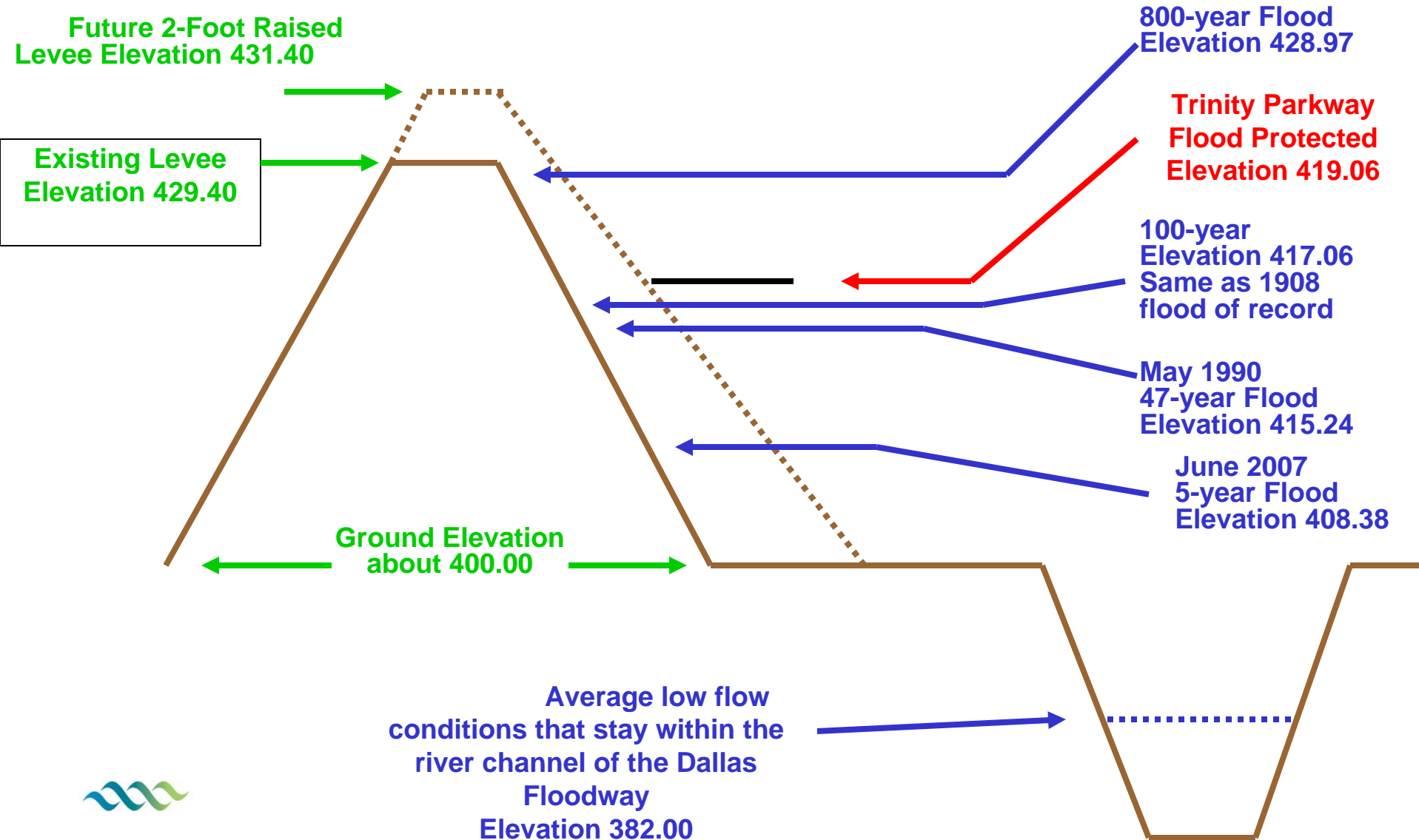
Flood Protection: Dallas Floodway



- Existing levees could be raised and fattened to provide additional stability
- Will provide up to 800 year flood protection from Trinity River flooding
- Corps is currently working on Environmental Impact Statement
- After Record of Decision and final design, Construction could begin in 2015



Levee Section at Commerce Water Surface Elevations



USACE Periodic Inspection Report #9

- Periodic Inspections are done every 5 years by USACE (in addition to annual inspections)
- Visual inspection only; no subsurface investigation
- Previous inspections rated our levee system as Excellent to Very Good
- After Hurricane Katrina, new rating system established by USACE in June 2007
- Rating in Periodic Inspection Report #9 for our levee system was “unacceptable”



Levee Issues from Periodic Inspection #9

- Encroachments
 - Dallas County Jail
 - Oncor Transmission Towers
- Penetrations
 - Bridge Piers
 - Pipes
- Desiccation Cracking
- Erosion
- Vegetation
 - Trees on/near the levees
 - Johnson grass
- Levees not high enough to contain the Standard Project Flood (800 year flood event) or pass the 100 year flood event
 - Corps rescinded 2007 letter of support to FEMA, which certified our levees for the 100 year flood event
 - This triggered FEMA's current remapping of the floodplain



Resolution of Levee Issues – Next Steps

- More frequent mowing cycles
- Rip rap/drainage relocation for erosion
- Worked with other agencies (DART, TxDOT) to fix problems with erosion & encroachment
- 193 of the 198 O&M related items repaired
- City is working on 100 year levee fixes
 - FEMA is revising methodology for remapping flood areas
 - If City does not resolve 100 year levee issues before FEMA floodplain maps become effective (Fall 2014), those with federally backed mortgages that are mapped in the floodplain will be required to carry flood insurance; Could also impact property values



FEMA Remapping Schedule

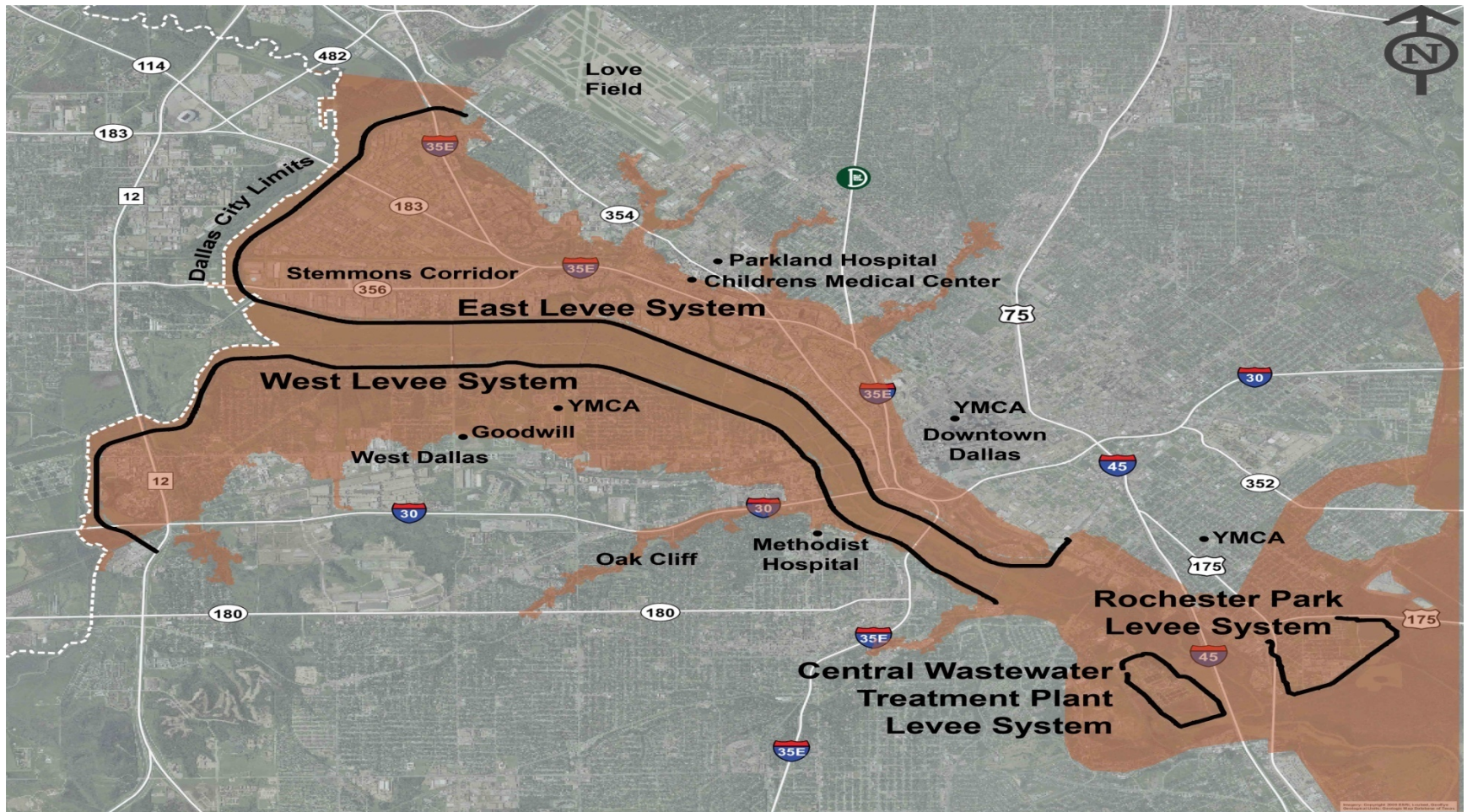
- Spring 2013 – Preliminary maps released for public comment
 - This is when property owners are notified and can appeal their floodplain designation
- Spring 2014 – Final maps released
 - Maps would not yet be effective
 - City must have 100 year levee fixes in place to avoid areas being remapped as floodplain
- Fall 2014 – Final maps become effective

NOTE: This schedule is dependent on development of the National policy on floodplain remapping behind levees being completed by the end of 2011/early 2012



FEMA Remapping Process

Worst Case Scenario - assuming no levee protection
Estimated area that FEMA may include in revised maps



Flood Protection: Interior Drainage

- Flooding in March 2006 from Interior Drainage

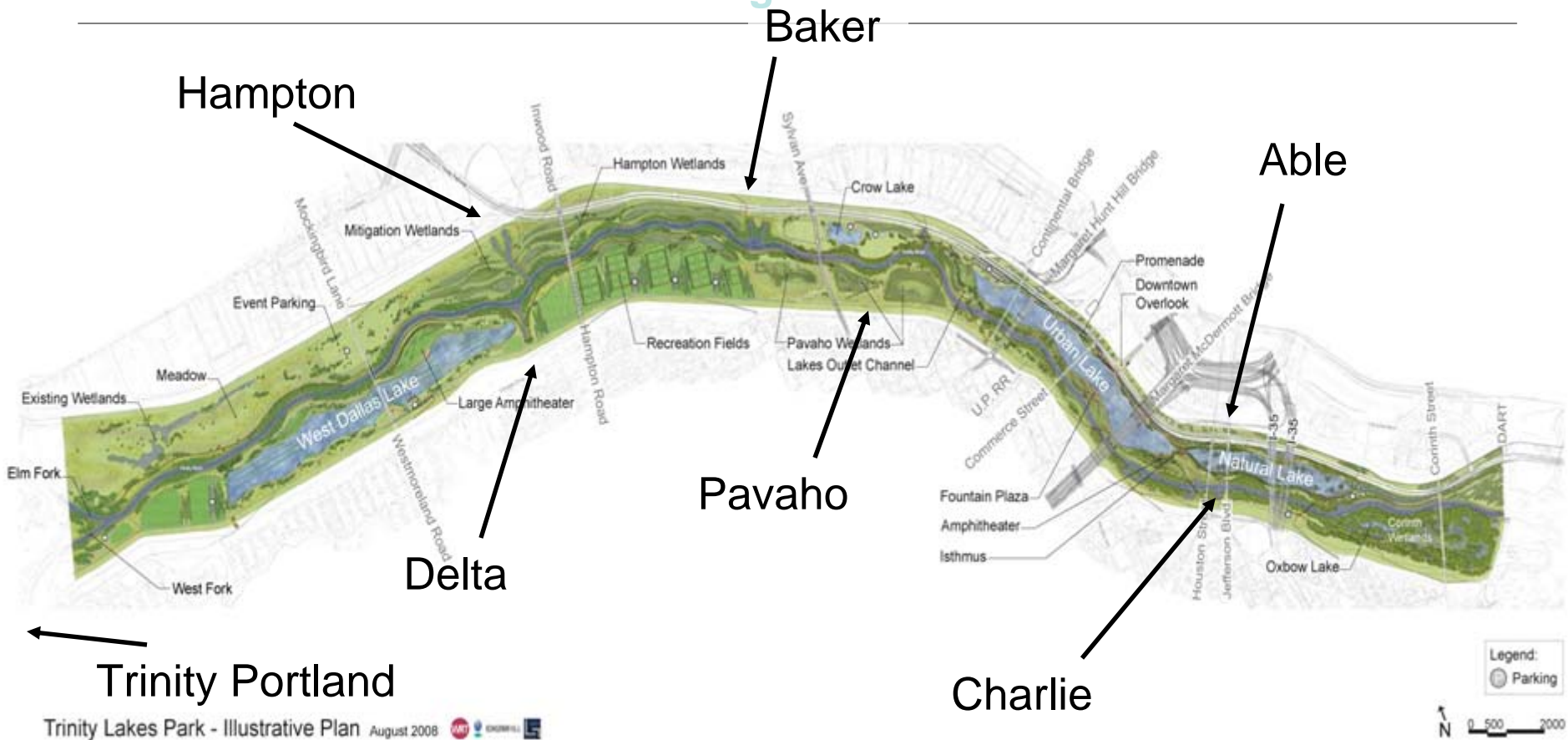


Near Pavaho Sump area at Sylvan Ave.



North of Bernal St. in West Dallas

Flood Protection: Interior Drainage



- Pavaho Sumps and Pump Station construction contract awarded in Summer 2010; to be complete in 2012
- Baker Sumps and Pump Station construction contract awaiting approval from the Corps
- Design contracts for Able, Charlie, Delta, Trinity Portland, and Hampton pump stations are ongoing



Trinity River Project Office
(214) 671-9500

www.trinityrivercorridor.org



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