

Memorandum



CITY OF DALLAS

DATE June 6, 2008


TO Trinity River Committee Members:
Mayor Pro Tem Dr. Elba Garcia (Vice-Chair) Pauline Medrano
Deputy Mayor Pro Tem Dwaine Caraway Mitchell Rasansky
Carolyn R. Davis Steve Salazar
Linda Koop

SUBJECT Trinity River Corridor Project; Trinity Parkway Design Guidelines

At the June 10, 2008 meeting of the Trinity River Corridor Project Committee, the attached briefing will be presented on the Trinity Parkway Design Guidelines. The presenter will be Ignacio Bunster of Wallace, Robert & Todd (WRT), which is one of the consultants on the Lakes Design Team.

These guidelines, which will provide for the look and feel of the Trinity Parkway, have been fully coordinated with the North Texas Tollway Authority. On June 4, 2008, the NTTA System Projects and Operations Committee was briefed on the progress of the Trinity Parkway Design Guidelines. An update on the results of that briefing will be part of the discussion with the Trinity River Corridor Project Committee.

We will be requesting the Committee's approval of the Trinity Parkway Design Guidelines. If you have further questions, please let me know.


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

Attachment

C: Honorable Mayor and Members of the City Council
Mary K. Suhm, City Manager
Ryan S. Evans, First Assistant City Manager
Ramon F. Miguez, P.E., Assistant City Manager
A. C. Gonzalez, Assistant City Manager
David O. Brown, Interim Assistant City Manager
David K. Cook, Chief Financial Officer
Deborah A. Watkins, City Secretary
Thomas P. Perkins, Jr., City Attorney
Craig D. Kinton, City Auditor
Judge Jay E. Robinson
Helena Stevens-Thompson, Asst. to the City Manager
Frank Libro, Director, Public Information Office



TRINITY PARKWAY DRAFT DESIGN GUIDELINES

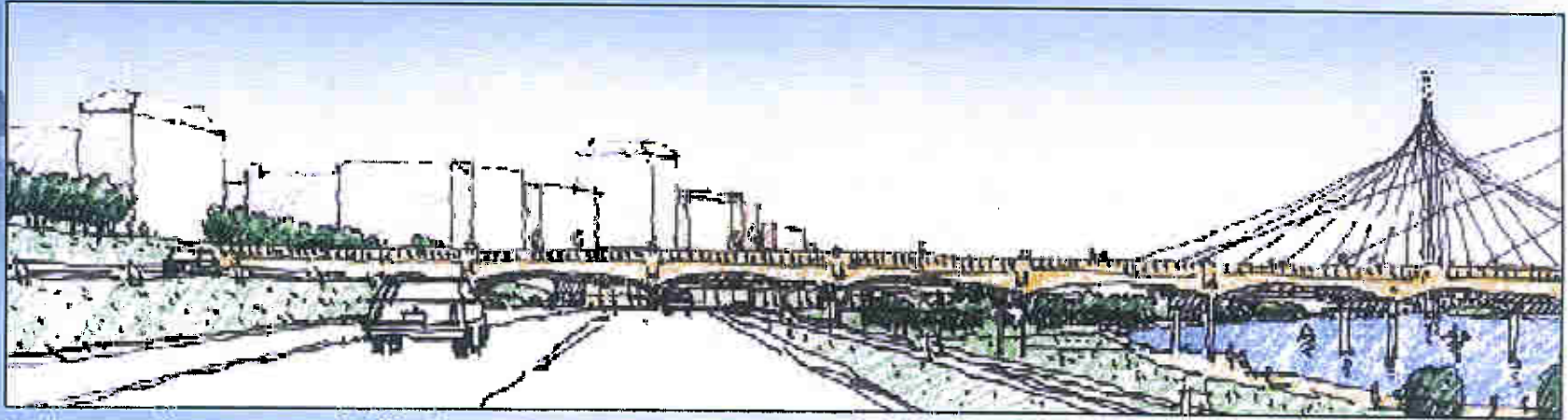
June 10, 2008



CH2MHILL



DESIGN GOALS



“The parkway will be designed in the context of a road passing through a park”
BVP

A “seamless integration” between Park and Parkway

The Parkway should feel like a *parkway. green, as if the park rolled over it*

- The Parkway should be simple and functional, *allowing the eye to focus on the landscape*
- The Parkway should *espouse sustainable design to the fullest extent possible*
- Parkway elements should help *mitigate visual, noise and emissions impacts*



CONTEXT

MEADOW / WETLAND ZONE

Key Characteristics

- Open meadow and wetland adjacencies
- Unimpeded views of floodway
- Full and Frontal southbound view of Downtown Skyline
- Elevated vantage point
- Longest stretch between bridges (1 ¼ miles between Hampton and Sylvan bridges)

URBAN ZONE

Key Characteristics

- High density development and Urban Lake adjacencies
- Flood protection wall
- Seven bridge underpasses
- Parallel "linear park"

FOREST ZONE

Key Characteristics

- Trinity Forest and forest extension adjacency
- Gradual rise to above 100yr flood line
- Full and frontal views northbound of park and signature bridges



LANDSCAPE ZONES

MEADOW / WETLAND ZONE

Key Characteristics

- "rolled" meadow vegetation over embankment and median
- **Spaced groups of shrubs and small trees on median and embankment to facilitate park views from southbound lanes**
- **Drifts of grasses and low shrubs on levee to frame parkway edge.**

URBAN ZONE

Key Characteristics

- Green walls
- Garden-like median
- Urban trees along linear park—texture, color interest
- Artwork integration on exposed, non-planted surfaces

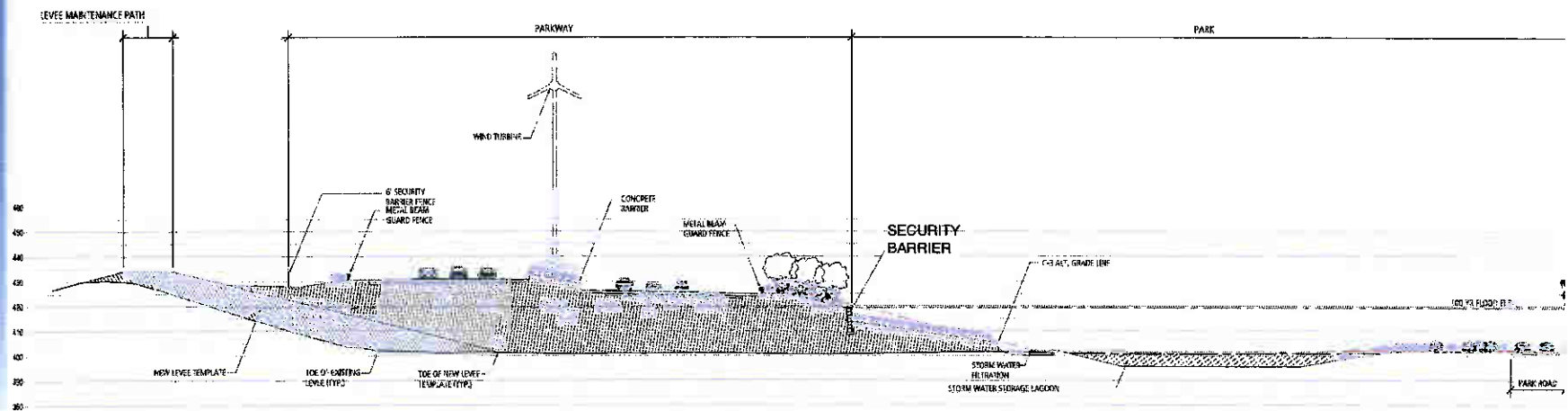
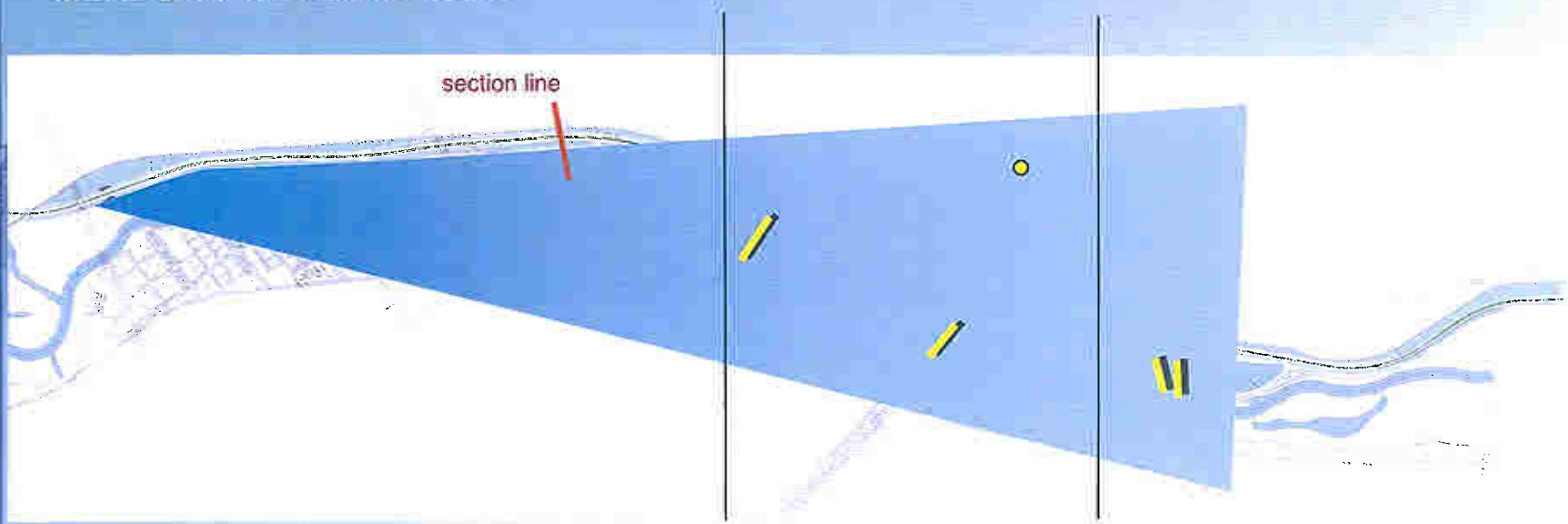
FOREST ZONE

Key Characteristics

- Levee and median planted with Trinity Forest species
- Tree cover focused on access gateways
- Opening in vegetation cover to afford views of eco-restorers



MEADOW / WETLAND ZONE



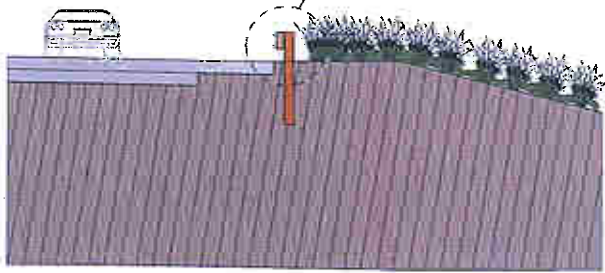
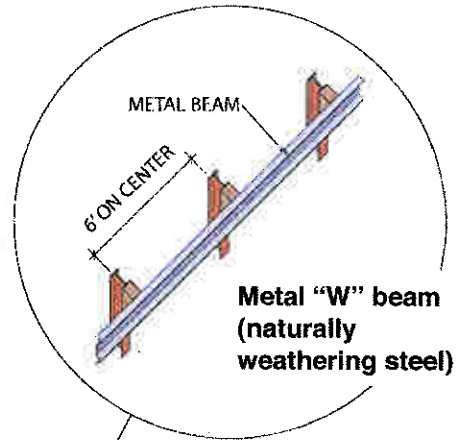
Meadow Zone Cross Section

NTTA would fund and maintain all improvements between levee top and parkside security barrier

Trinity Parkway Draft Design Guidelines



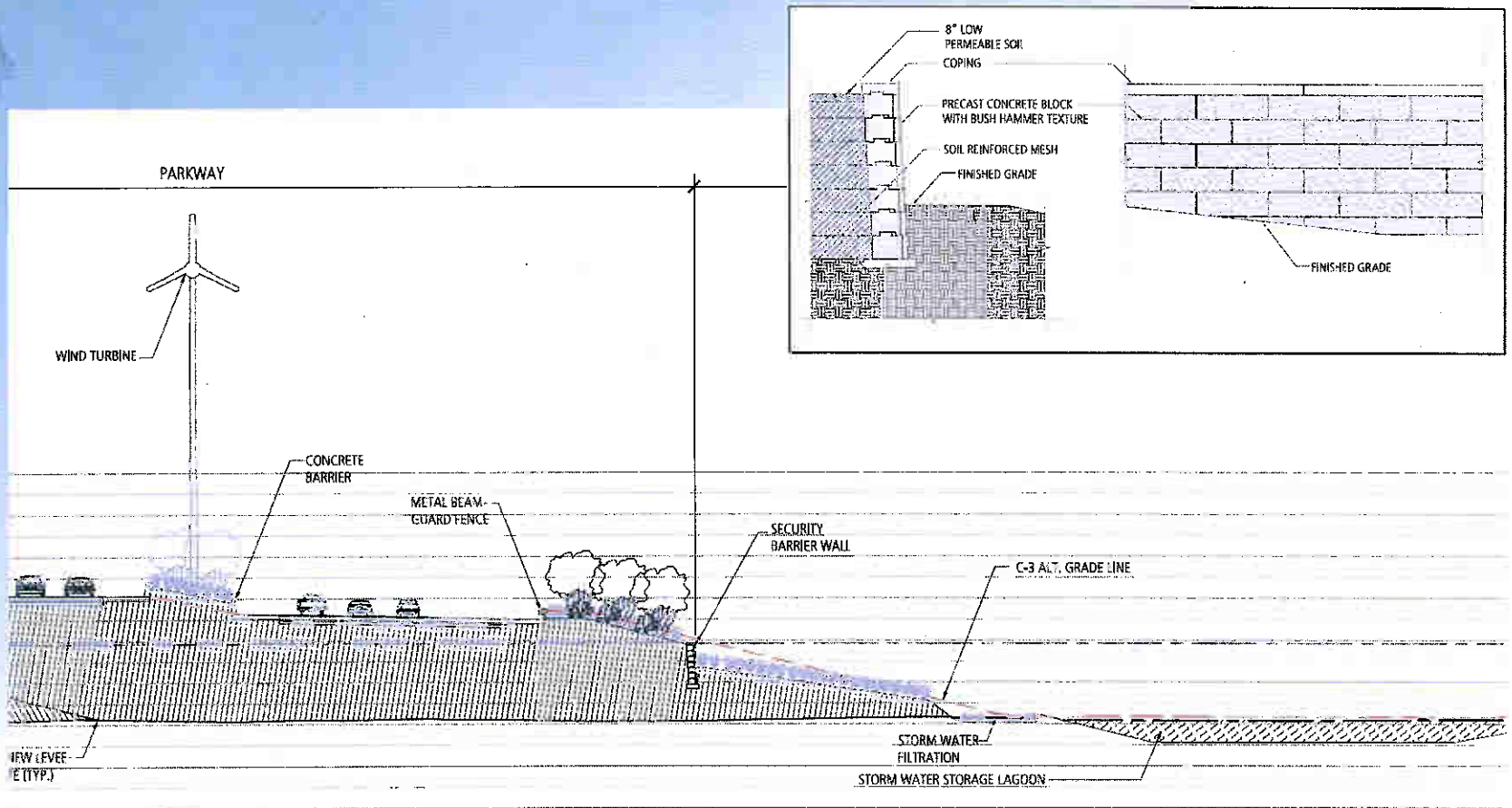
MEADOW / WETLAND ZONE: guardrails



NTTA would fund and maintain guardrails and barriers



MEADOW / WETLAND ZONE: security barrier

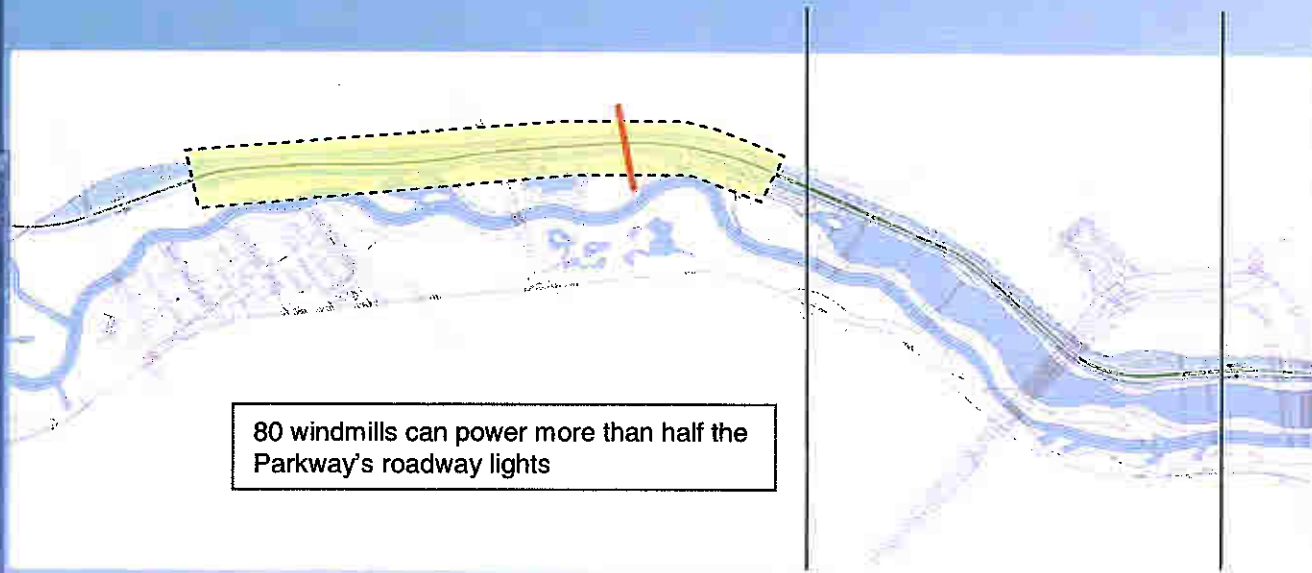


Meadow Zone Cross Section

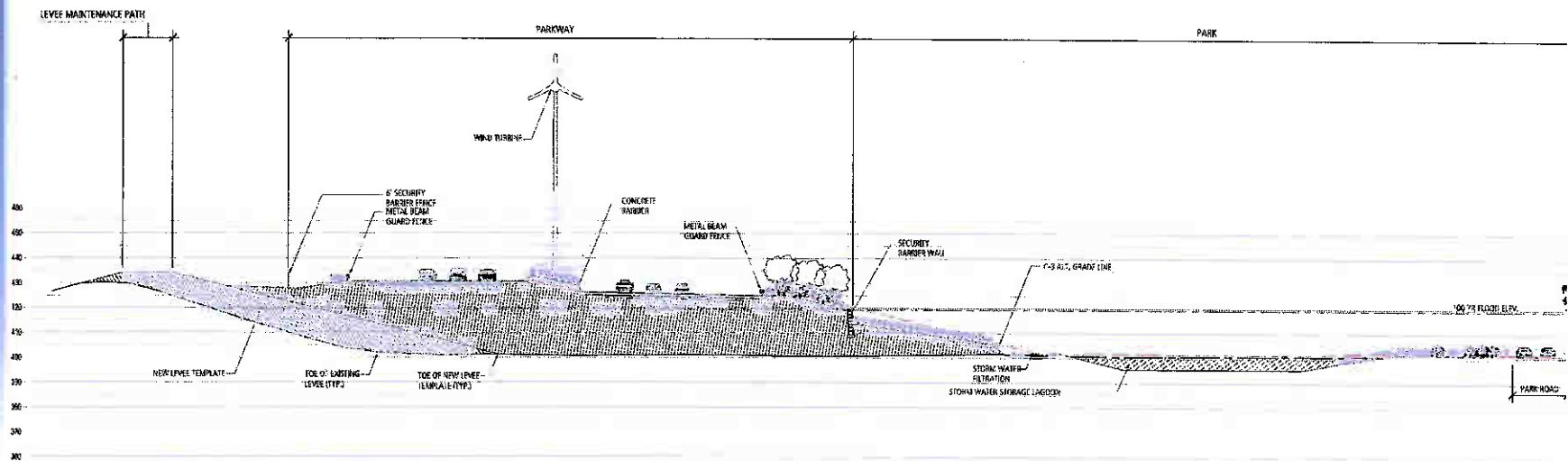
NTTA would fund and maintain guardrails and barriers



MEADOW / WETLAND ZONE: windmills



80 windmills can power more than half the Parkway's roadway lights

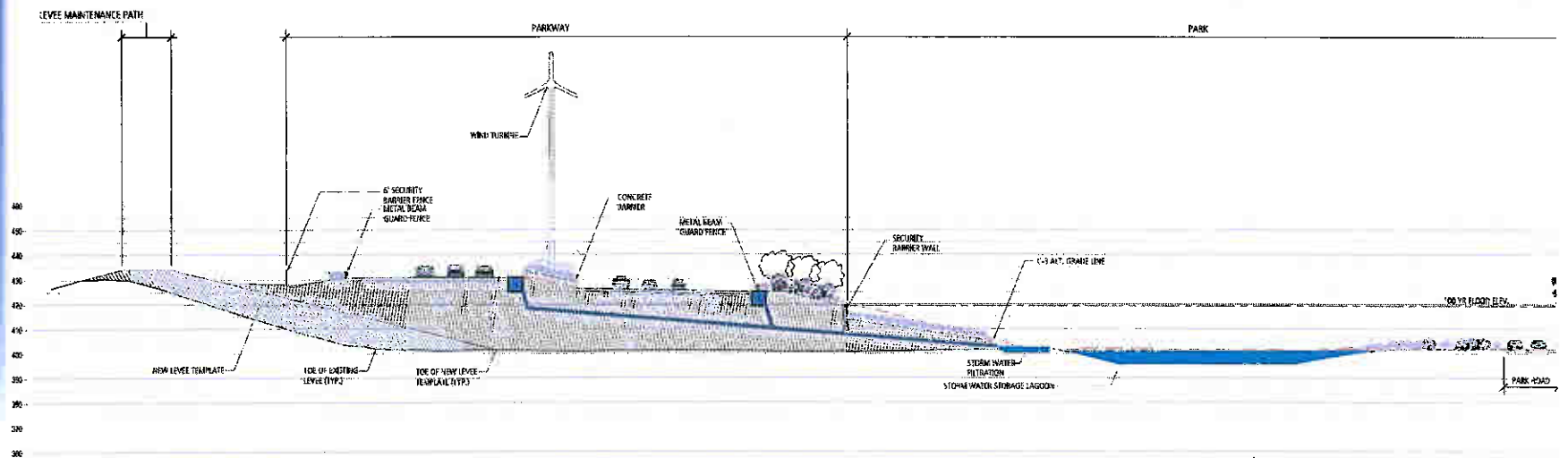
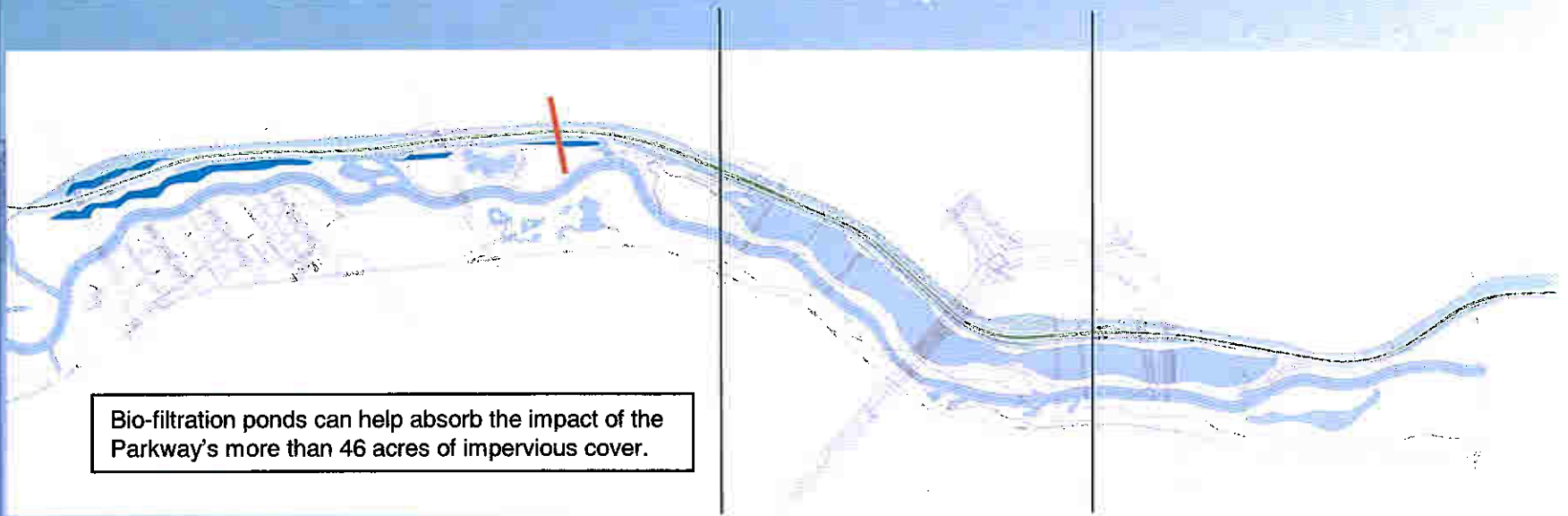


Meadow Zone Cross Section

Windmills would be City funded and maintained



MEADOW / WETLAND ZONE: bio-filtration wetlands & ponds

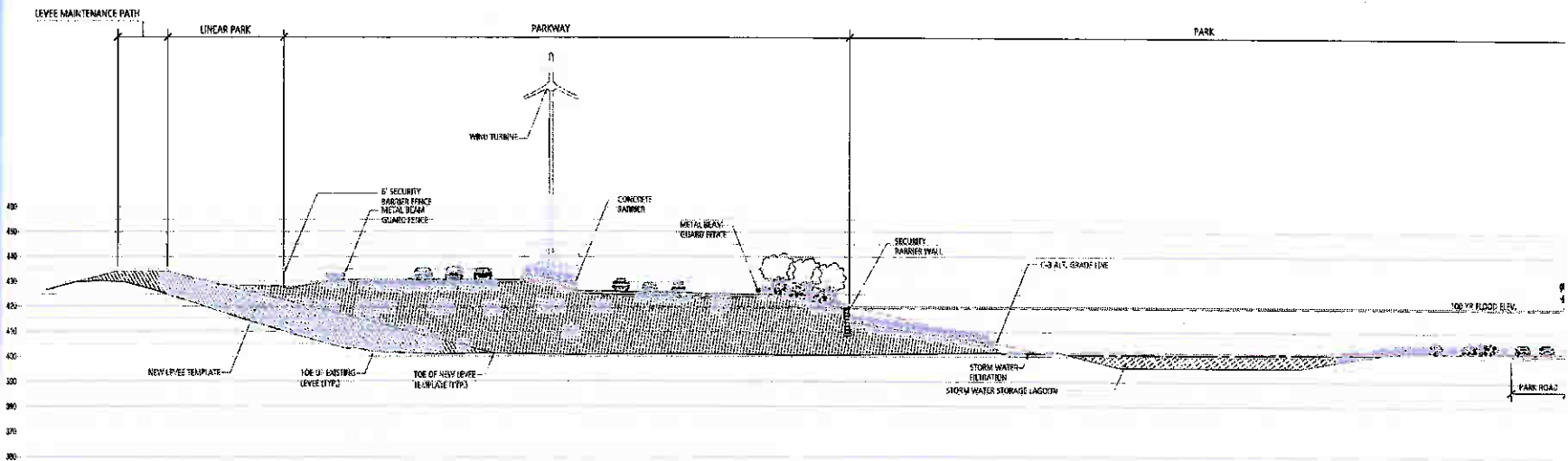
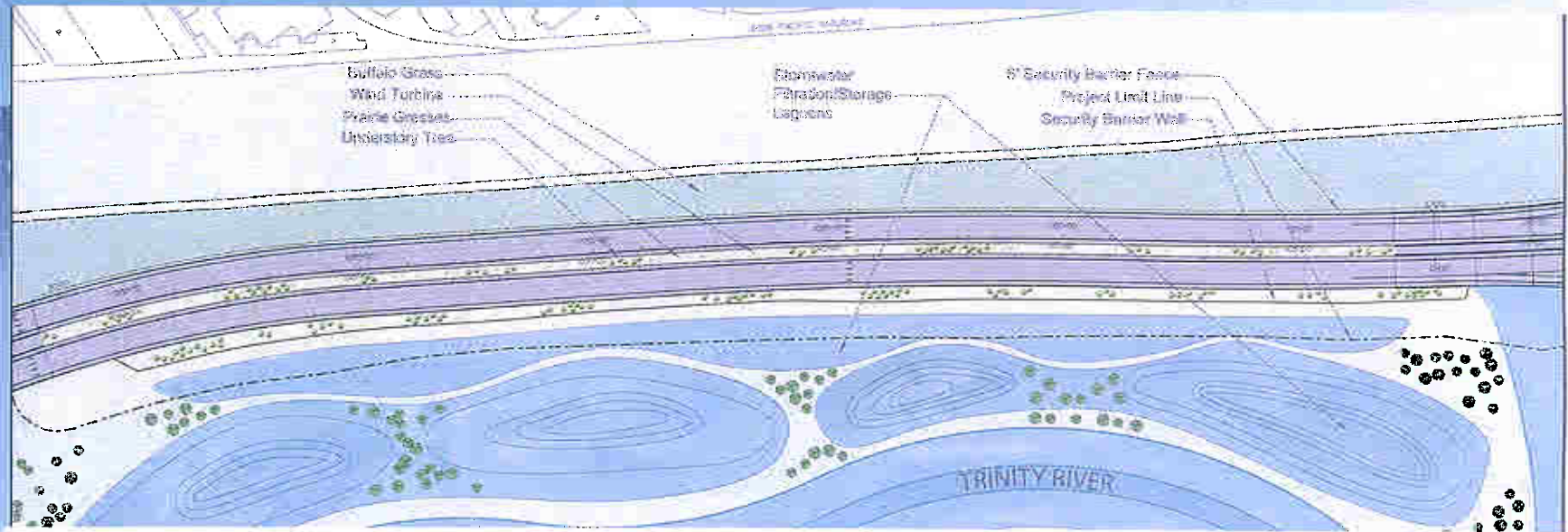


Meadow Zone Cross Section

Wetlands and ponds under discussion with NTTA and USACE



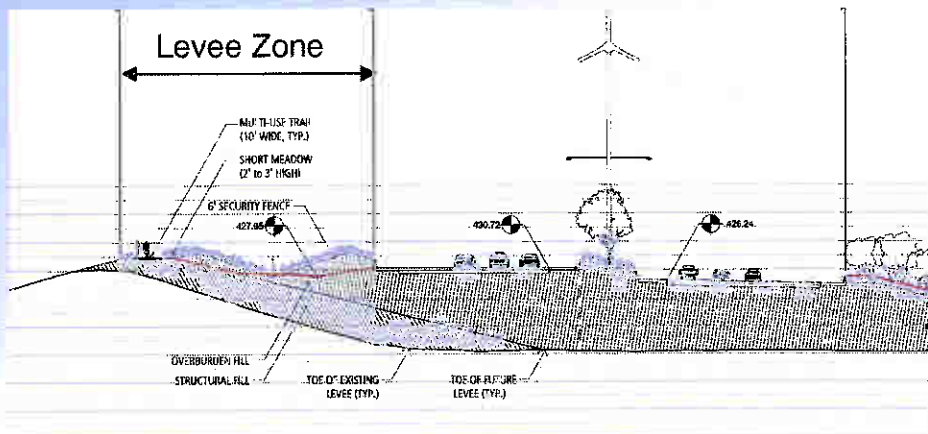
MEADOW / WETLAND ZONE: Parkway planting



Meadow Zone Cross Section



MEADOW / WETLAND ZONE: levee zone planting

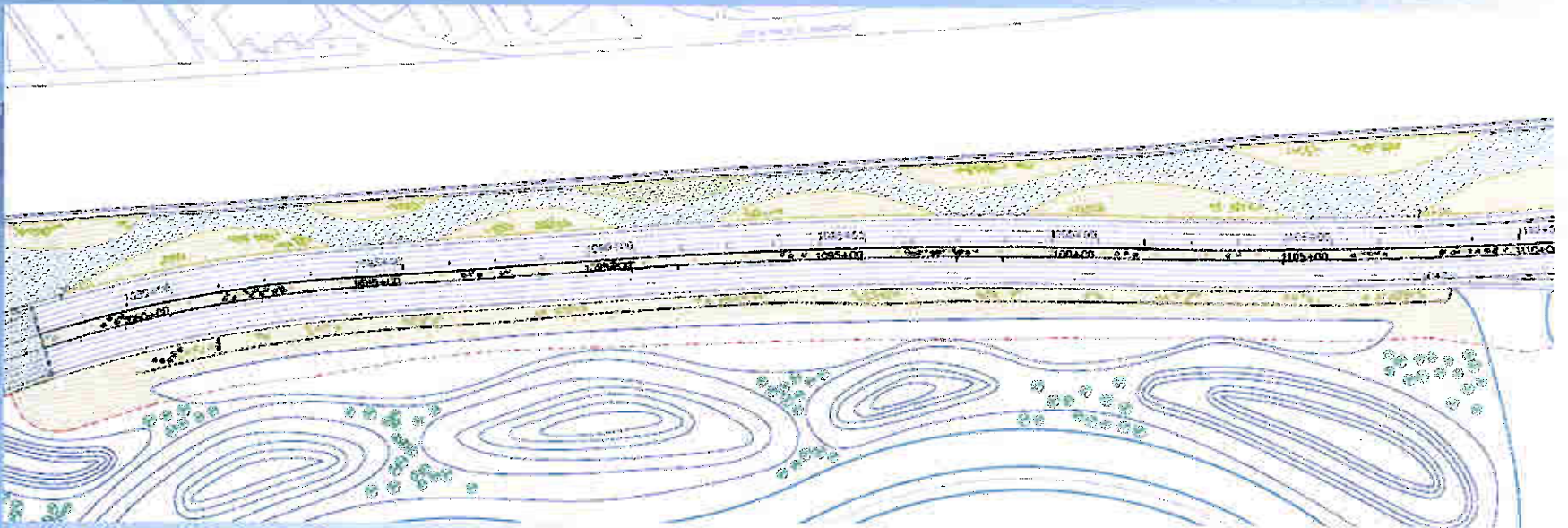


Meadow Zone Cross Section

Additional levee zone improvements would be City funded and maintained



MEADOW / WETLAND ZONE: plant palette (for both parkway and levee zone areas)



**Muhly
Grass**



**Indian
Feather
Grass**



Bluestem



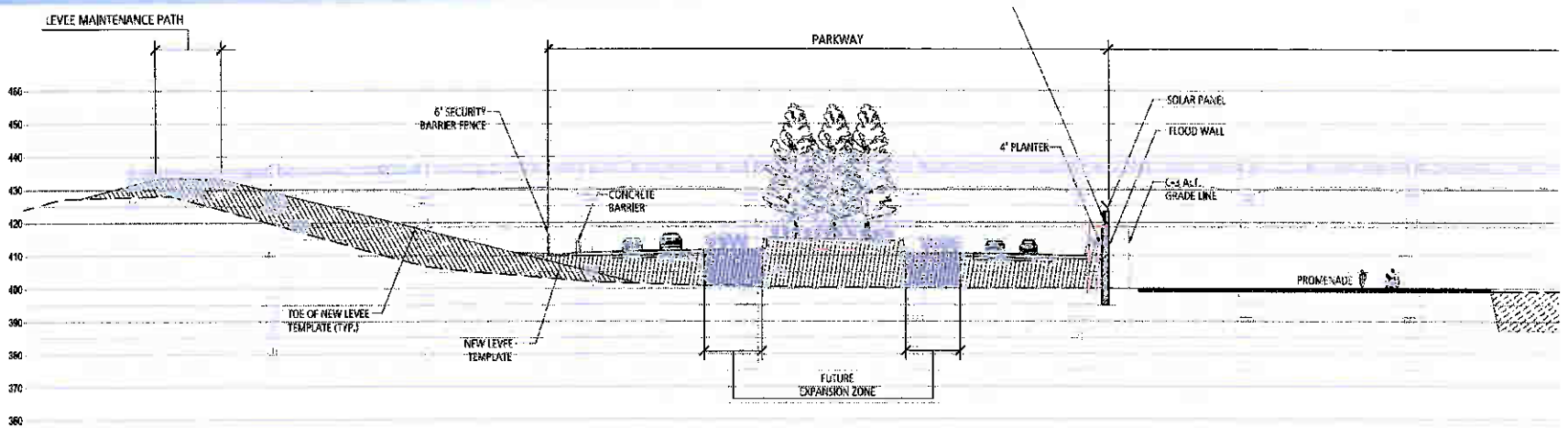
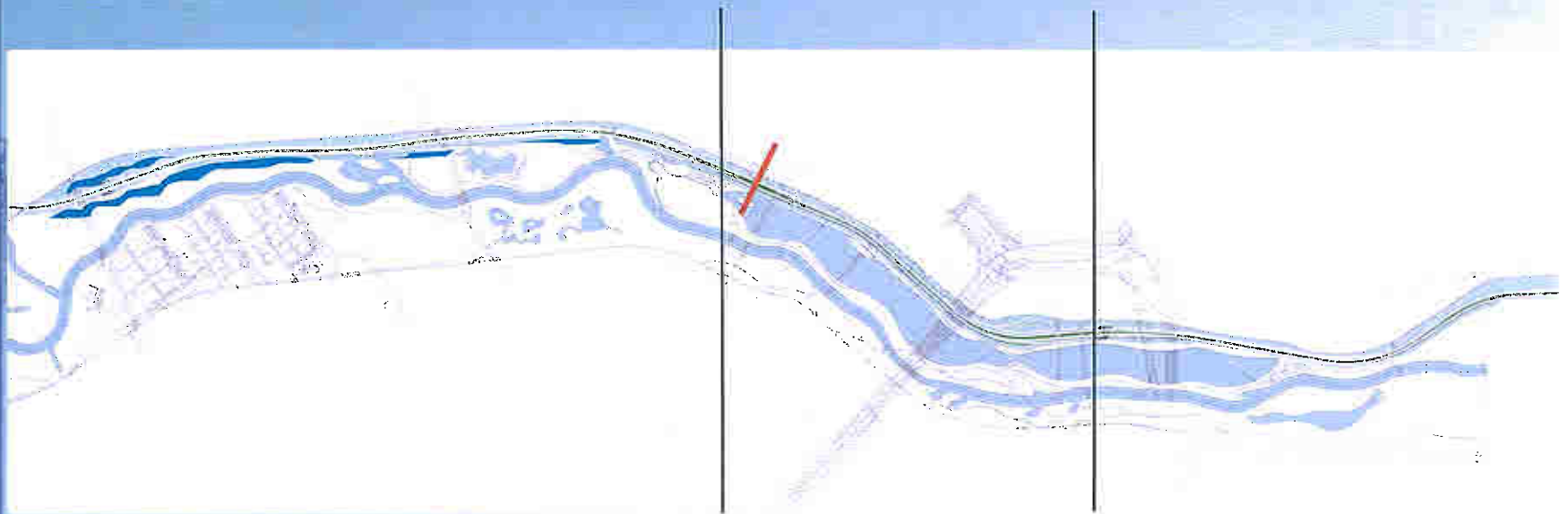
Yucca



**Desert
Willow**



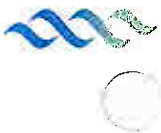
URBAN ZONE



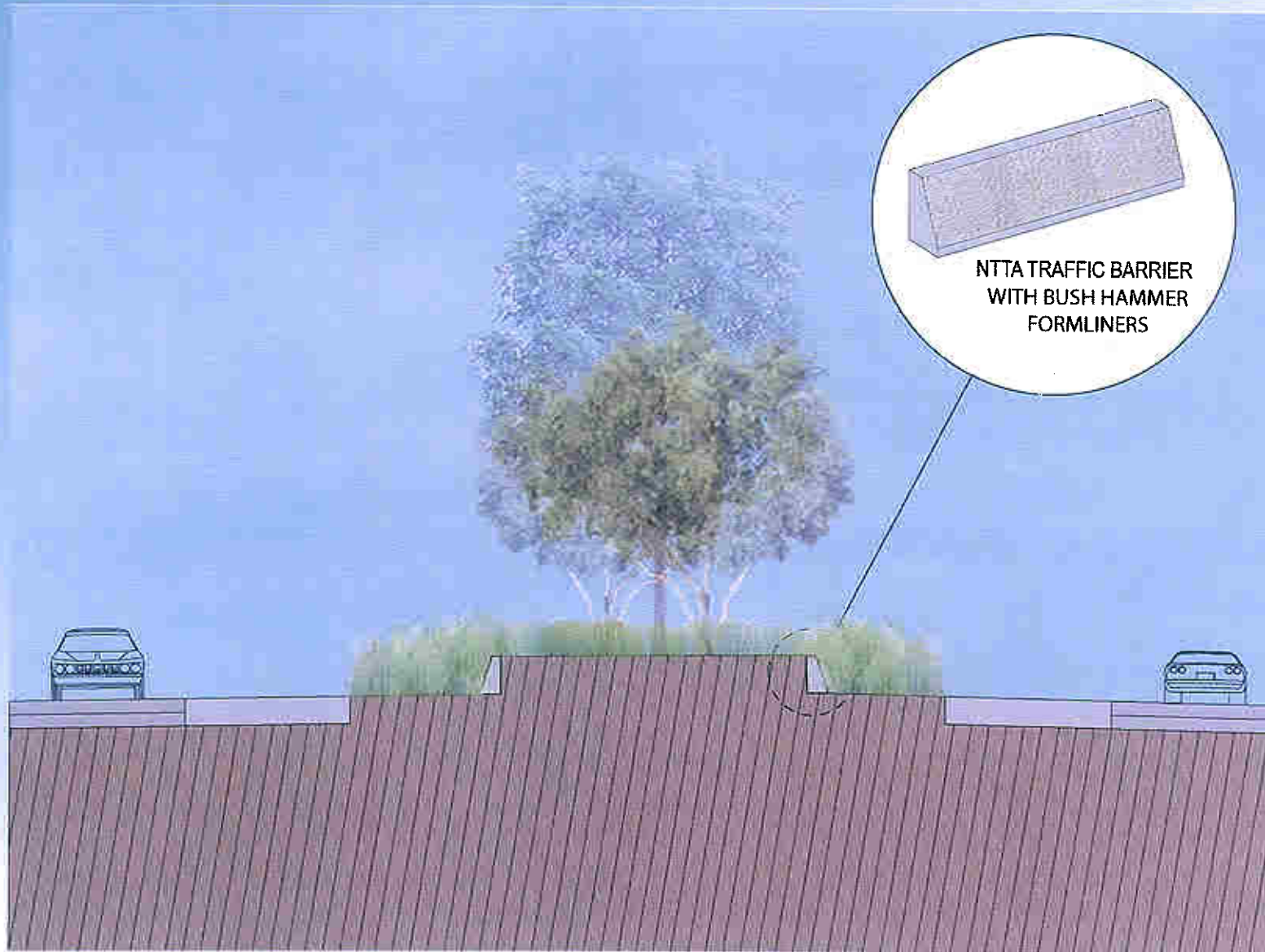
Urban Zone Cross Section

NTTA would fund and maintain all improvements between the parkway limits

Trinity Parkway Draft Design Guidelines



URBAN ZONE: median



URBAN ZONE: median



URBAN ZONE: Parkway planting



Big-Tooth Maple



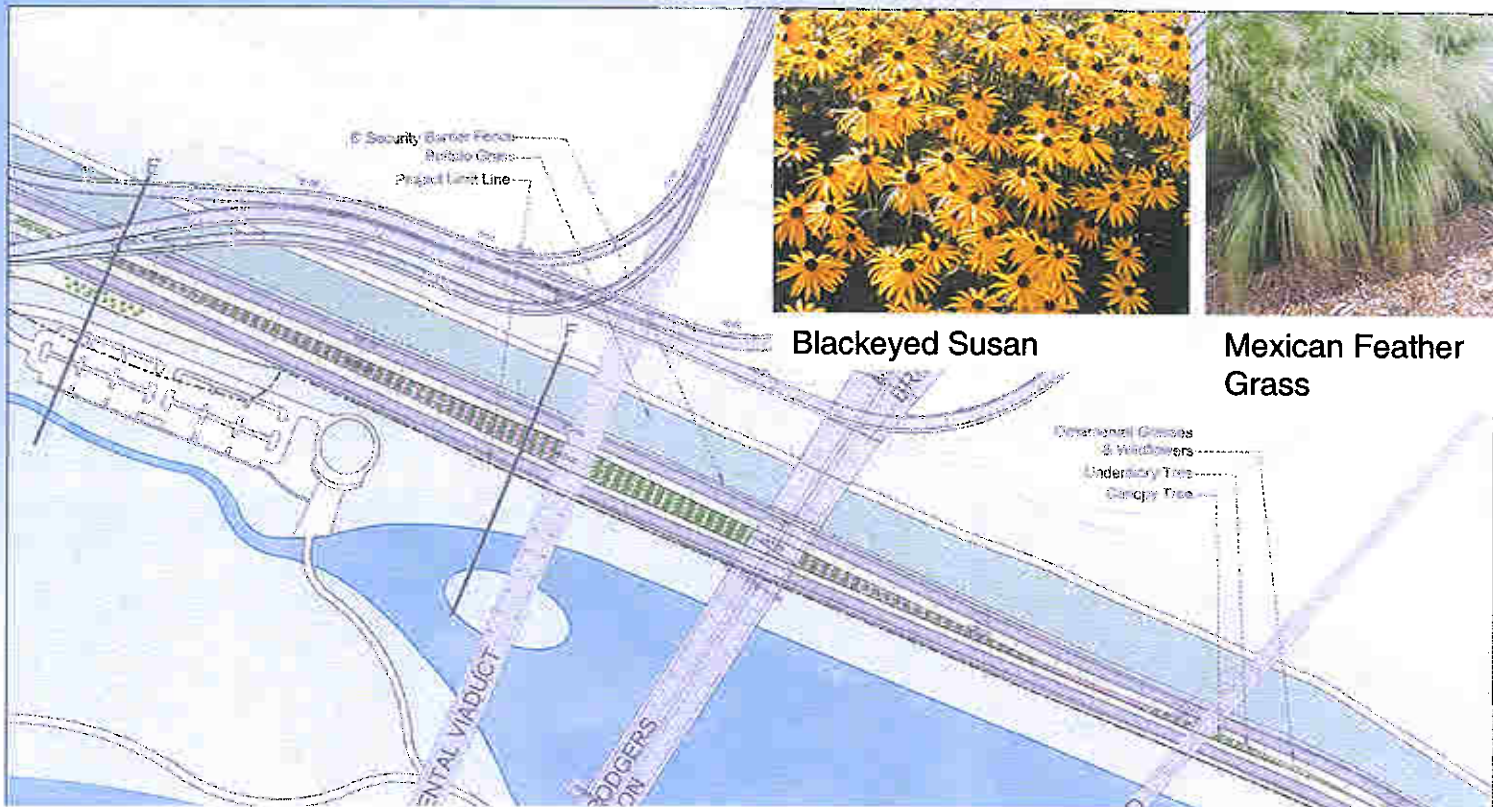
Cedar Elm



Texas Redbud



Mexican Plum



Blackeyed Susan



Mexican Feather Grass



URBAN ZONE: levee zone planting



Big-Tooth Maple



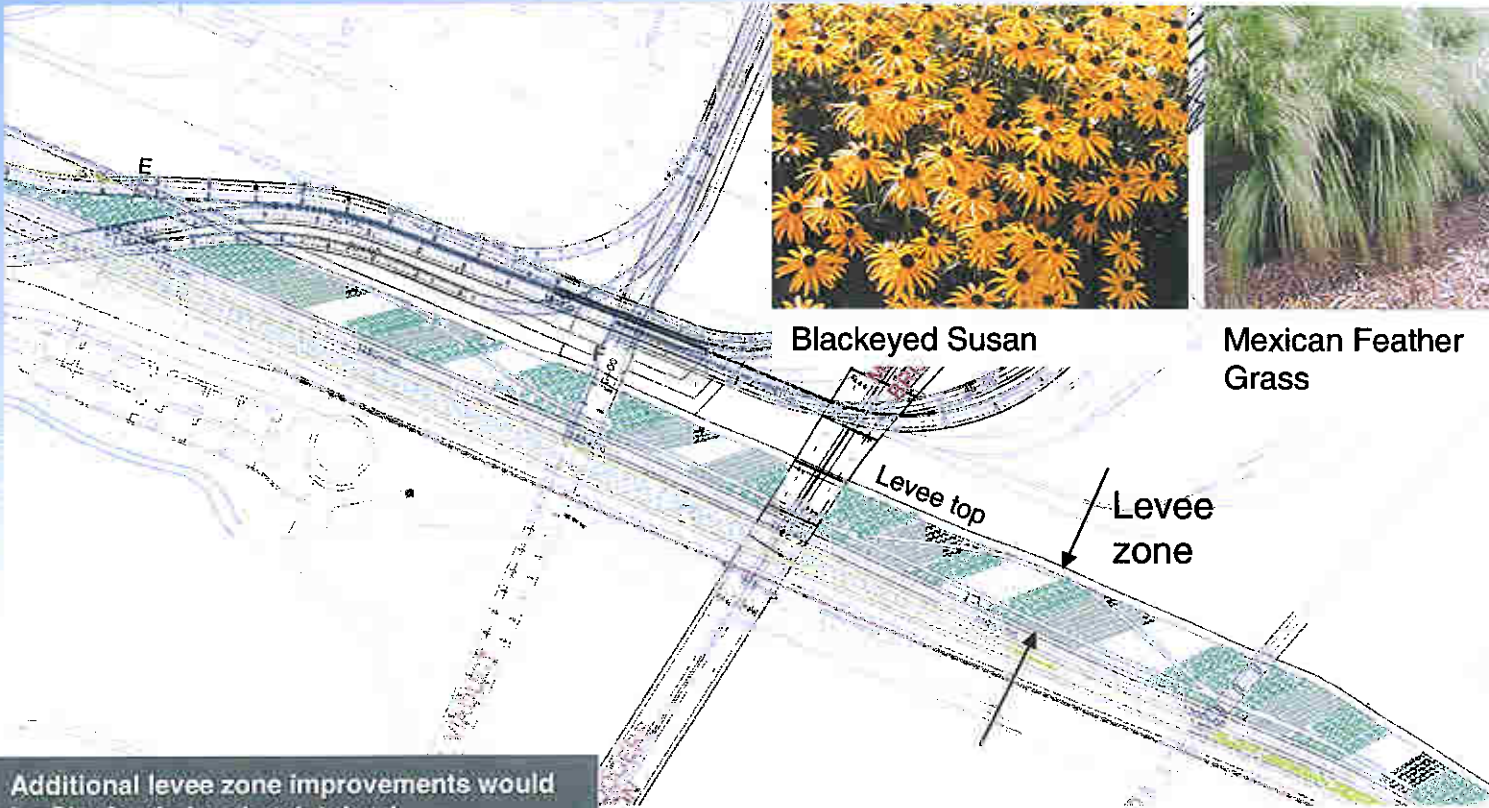
Cedar Elm



Texas Redbud



Mexican Plum



Blackeyed Susan

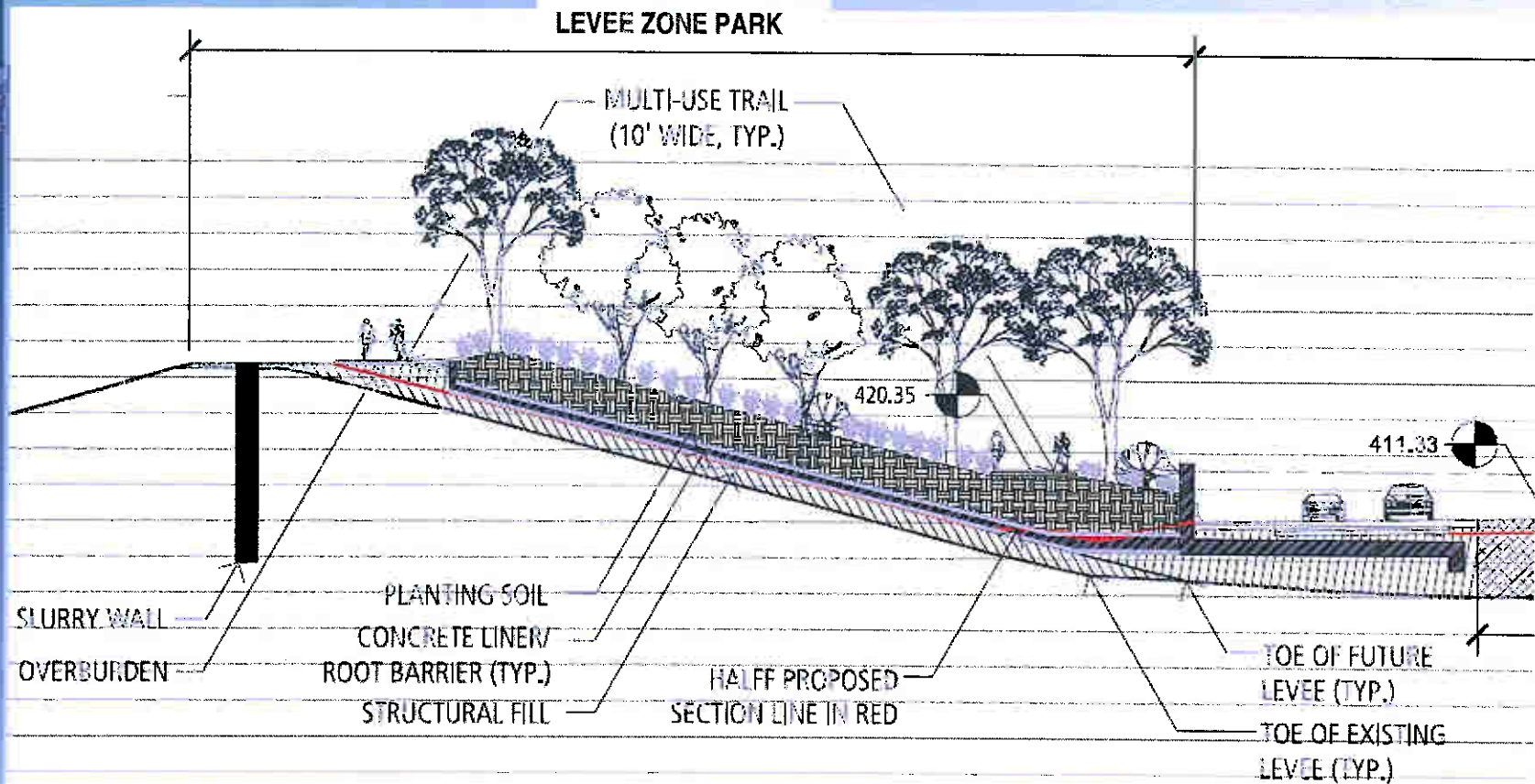


Mexican Feather Grass

Additional levee zone improvements would be City funded and maintained



URBAN ZONE: levee zone planter "tub"

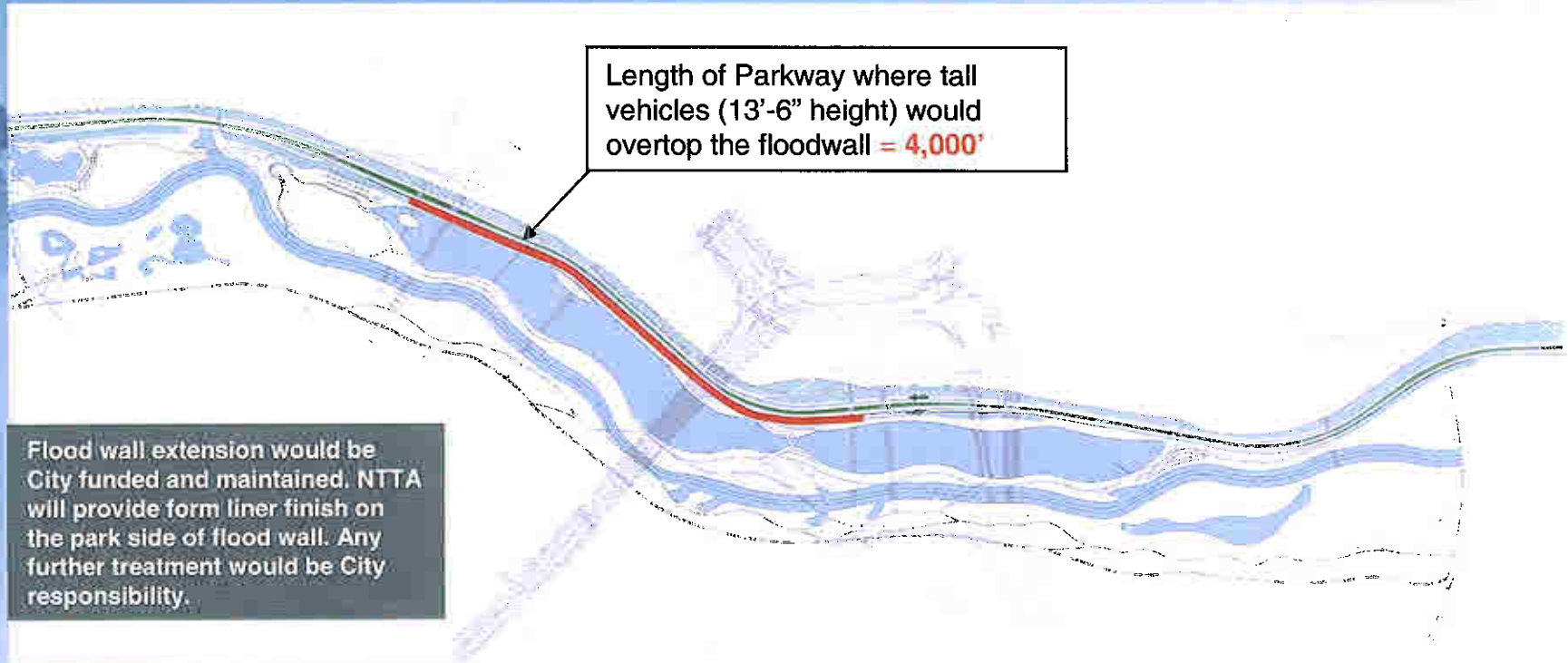


Urban Zone Levee Cross Section

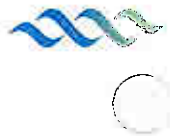
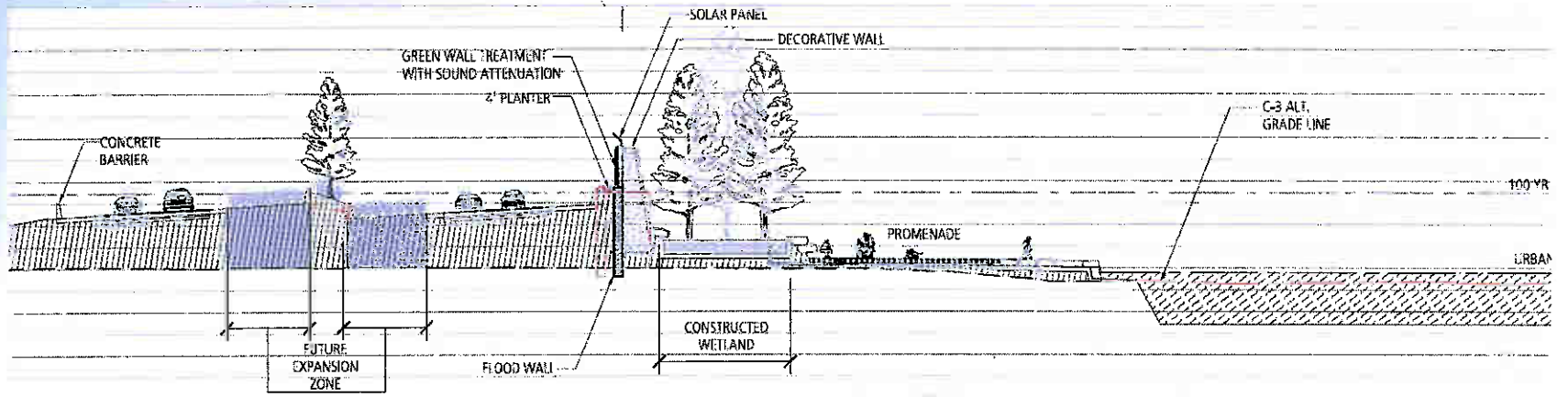
Levee zone planter "tub" would be City funded and maintained—under discussion with USACE



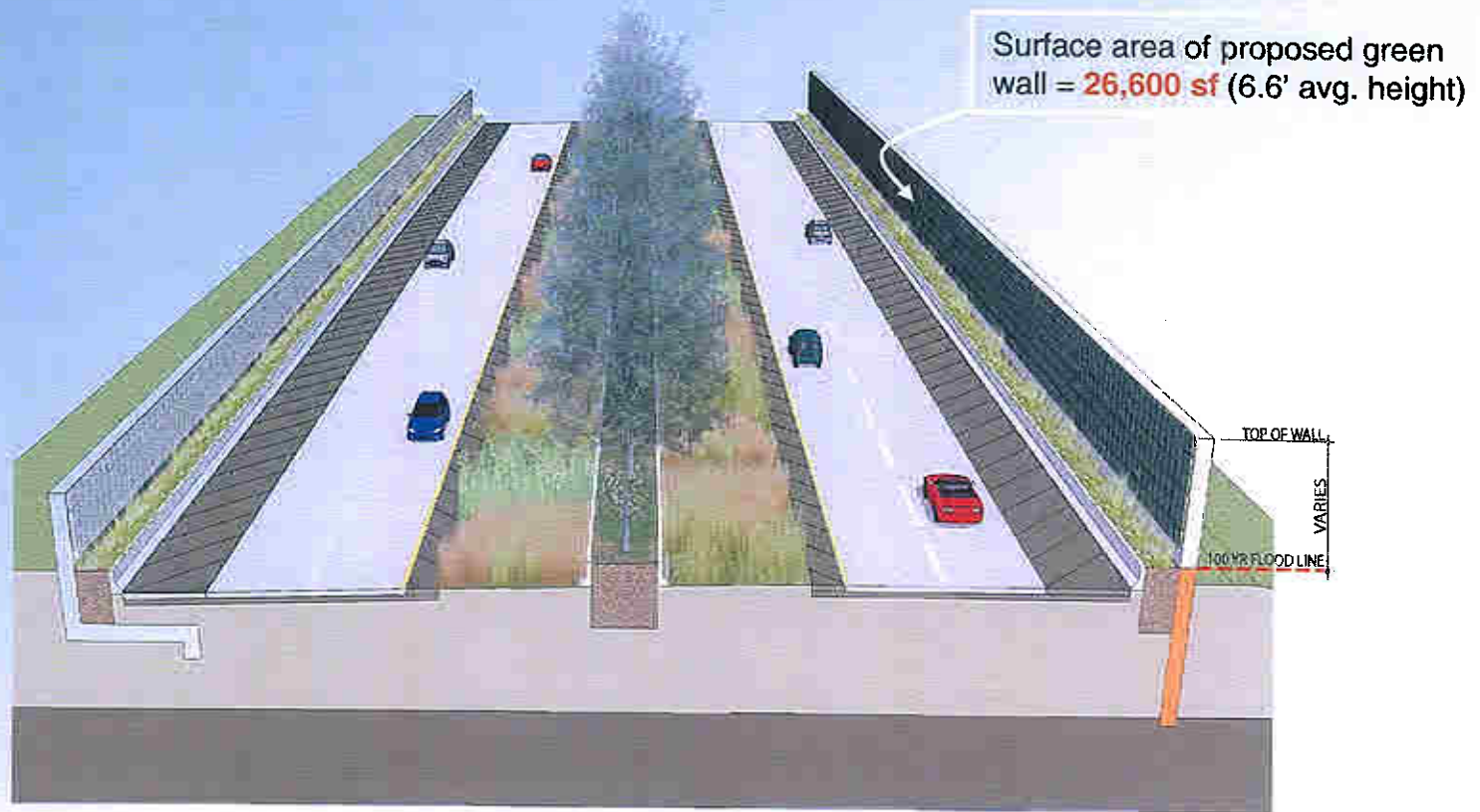
URBAN ZONE: flood wall extension



Flood wall extension would be City funded and maintained. NTTA will provide form liner finish on the park side of flood wall. Any further treatment would be City responsibility.



URBAN ZONE: green wall



Green wall cover would be
City funded and maintained



URBAN ZONE: "GSky" green wall system

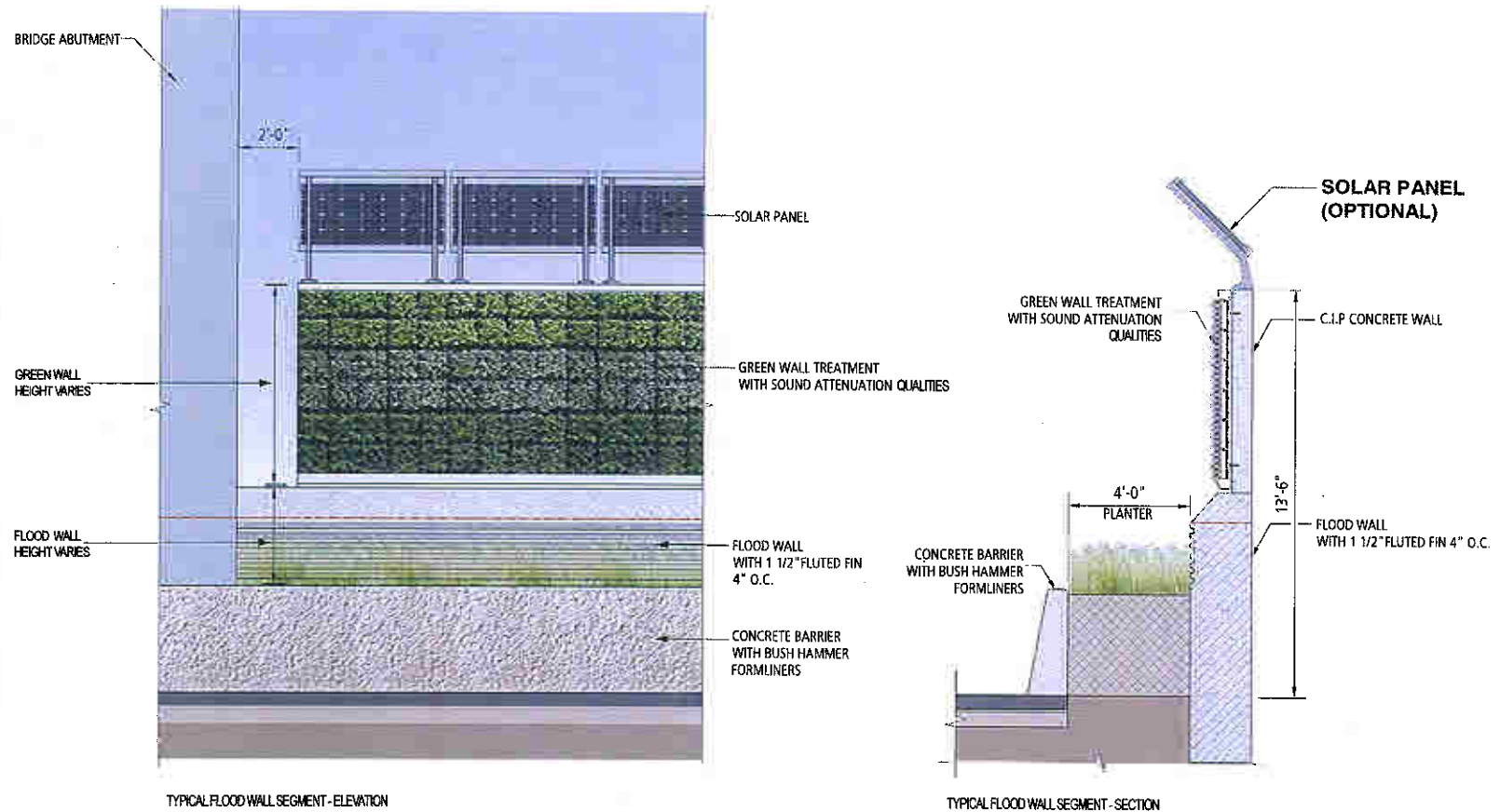


- Supports park urban context
- Used extensively in Japan for highways
- Greater sound absorption than vines
- Instant, denser and continuous green surface
- Pre-planted panels easily replaced
- Turn-key system includes irrigation and maintenance
- Higher bio-mass

Green wall cover would be
City funded and maintained



URBAN ZONE: green wall + solar panels



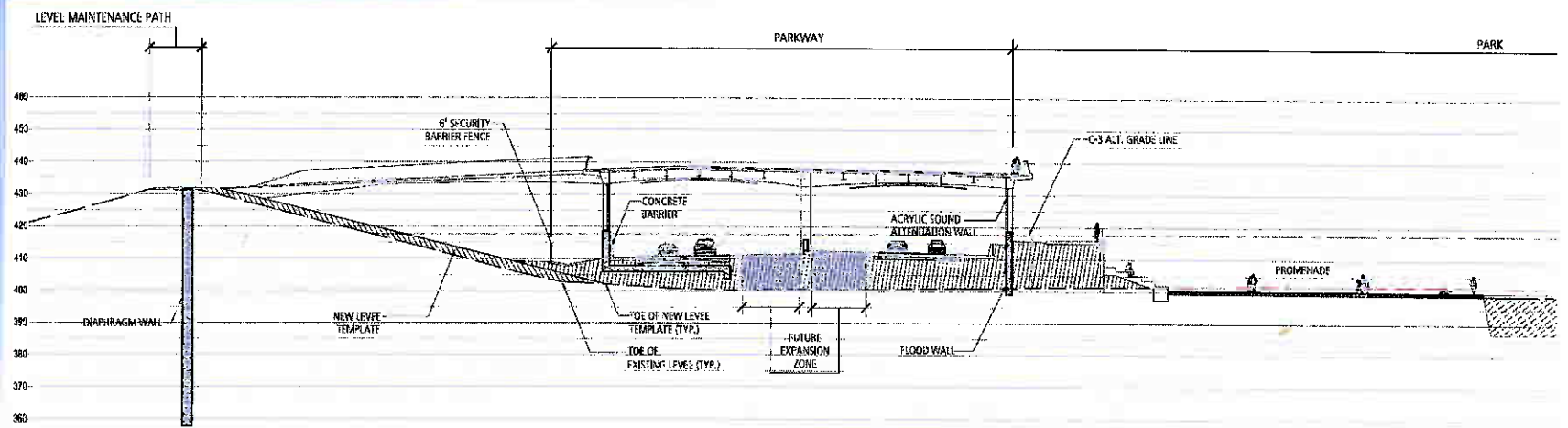
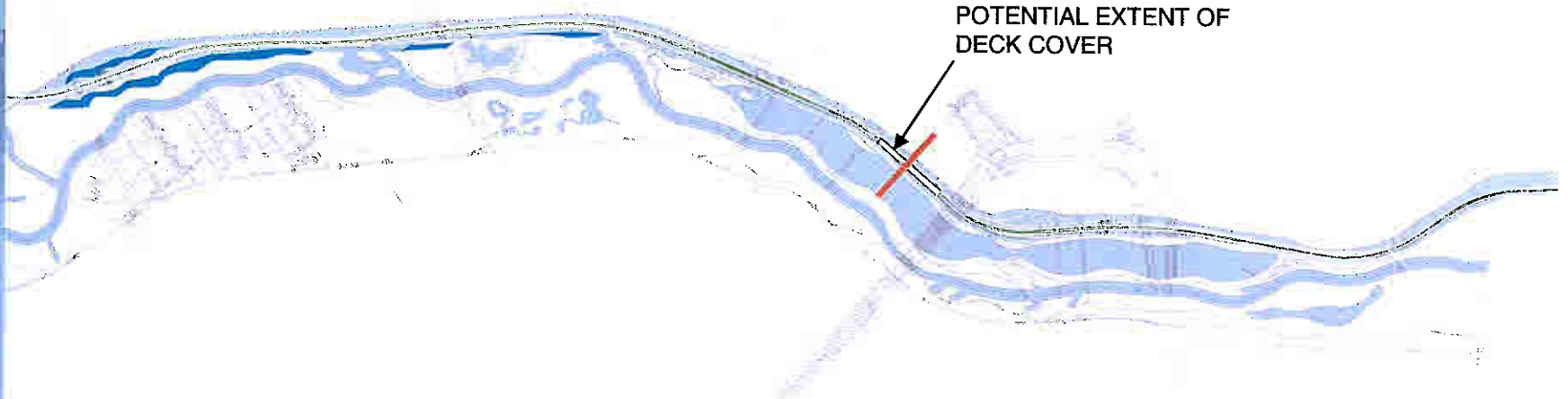
Green wall cover and solar panels (optional) would be City funded and maintained



URBAN ZONE: solar panel example (Austria)



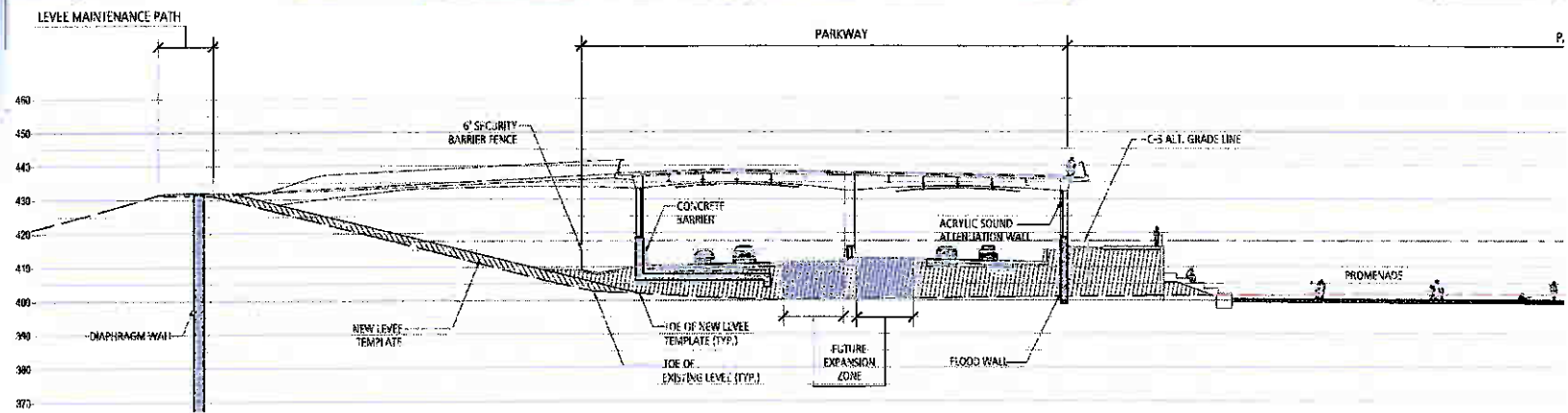
URBAN ZONE: deck cover



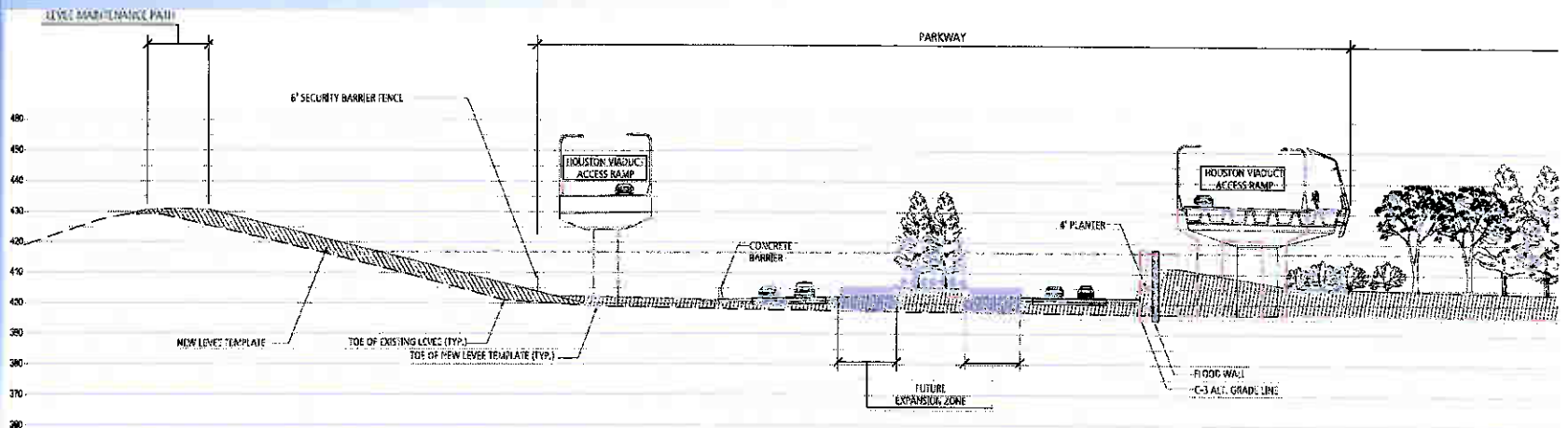
NTTA would fund and maintain up to 500 linear feet of deck park as extended over the parkway at primary overlook



URBAN ZONE: deck cover



FOREST ZONE

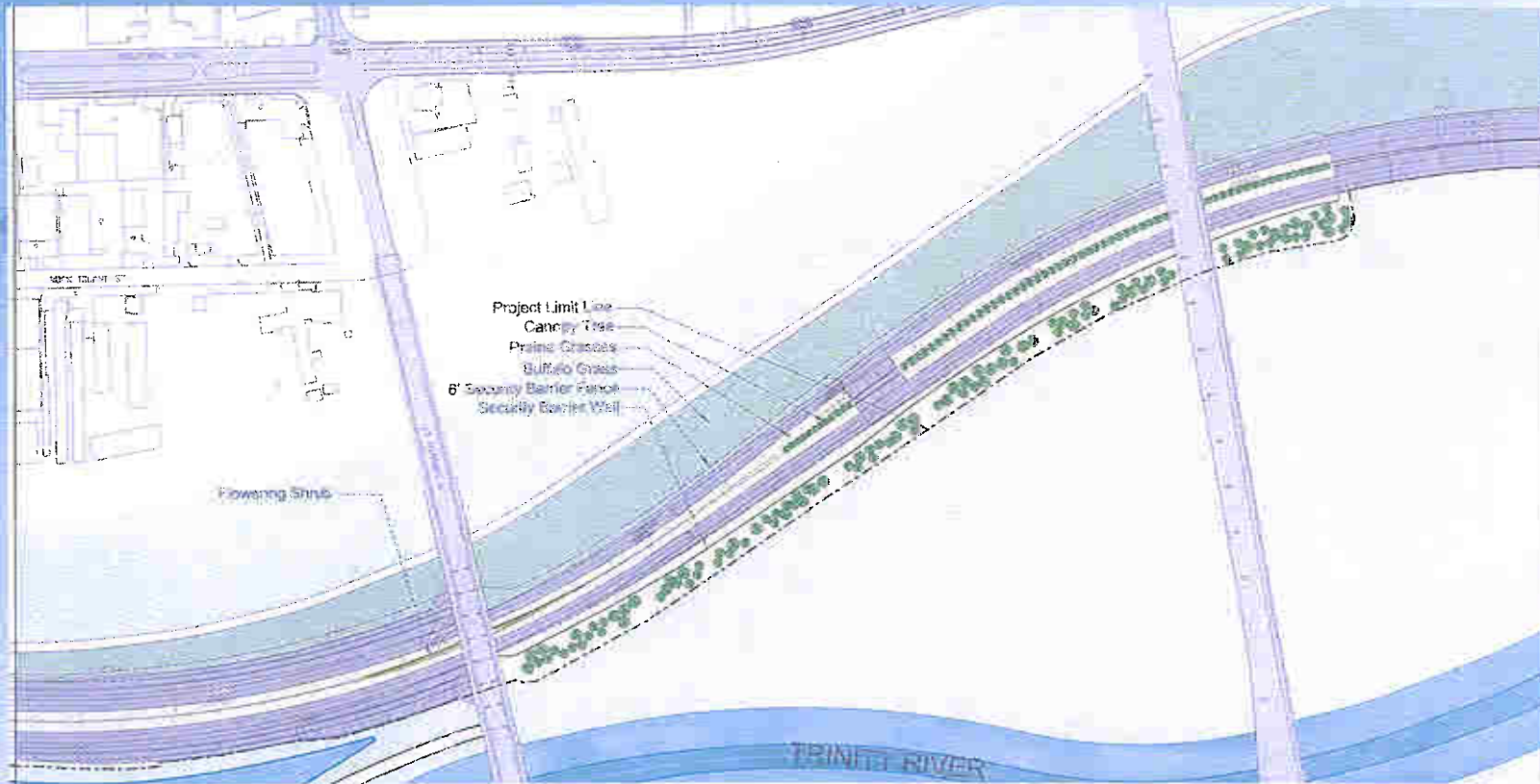


Forest Zone Cross Section

NTTA would fund and maintain all improvements between the limits of the Parkway



FOREST ZONE: Parkway planting



Cottonwood



Shumard Oak



Cedar Elm



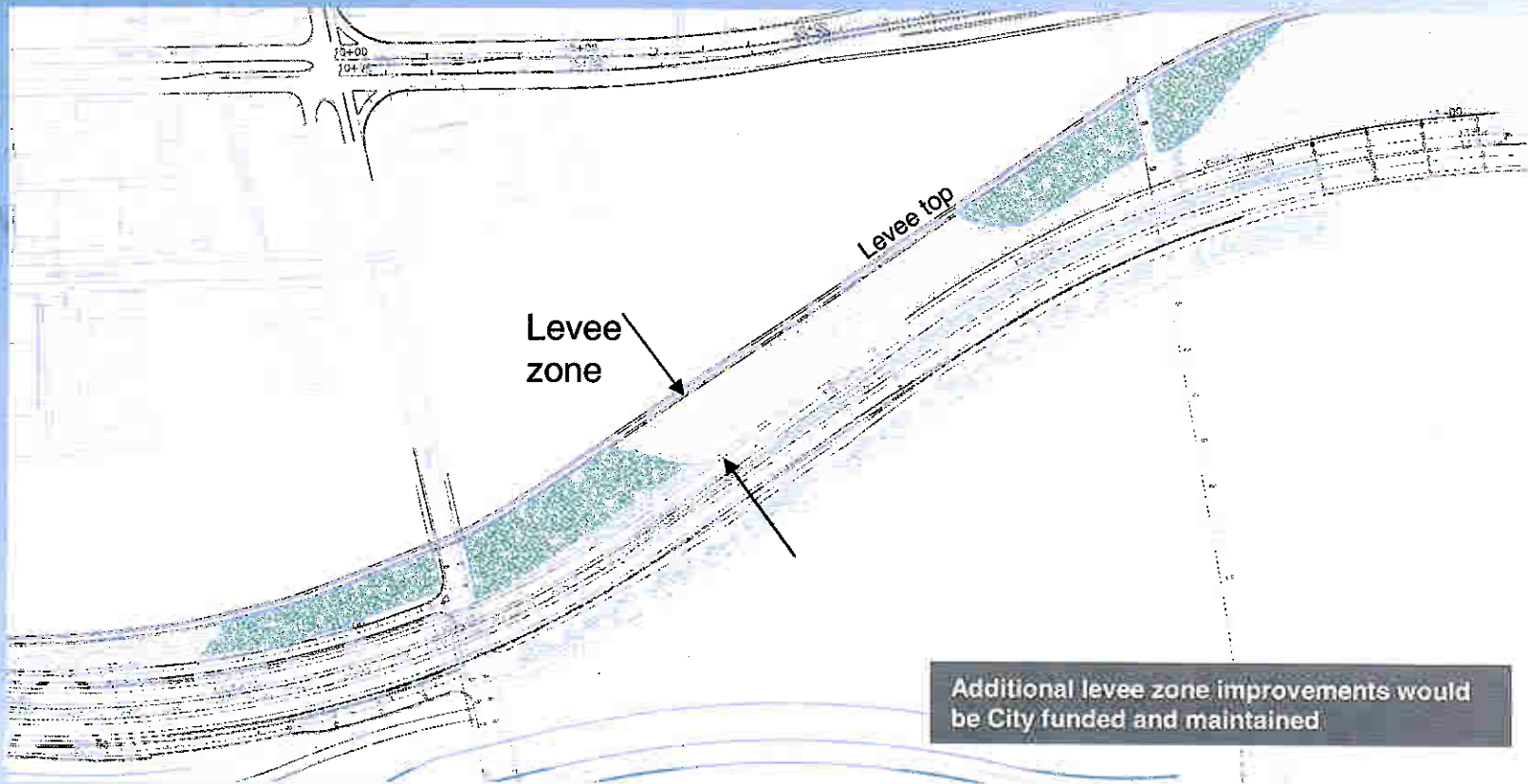
Staghorn
Sumac



Arrowwood
Viburnum



FOREST ZONE: levee zone planting



Additional levee zone improvements would be City funded and maintained



Cottonwood



Shumard Oak



Cedar Elm



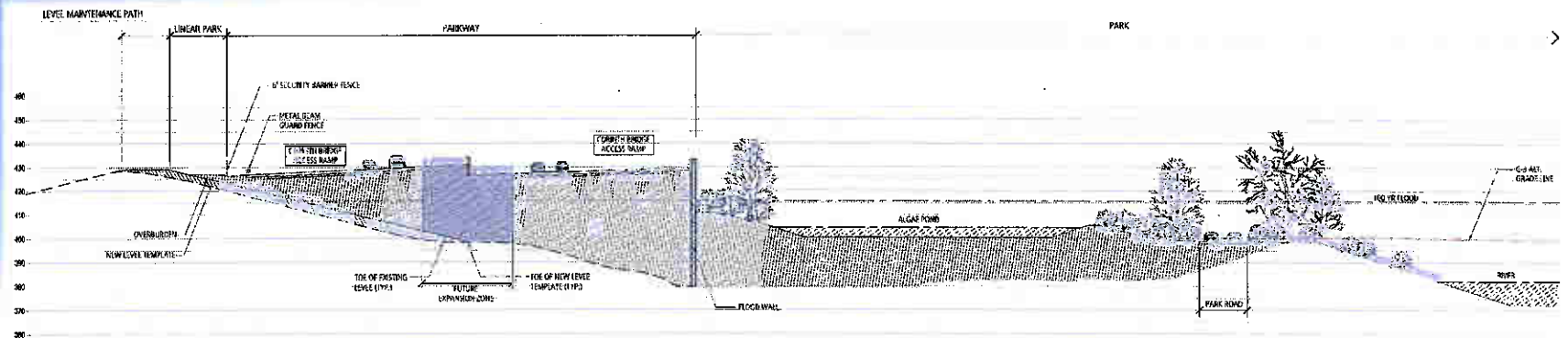
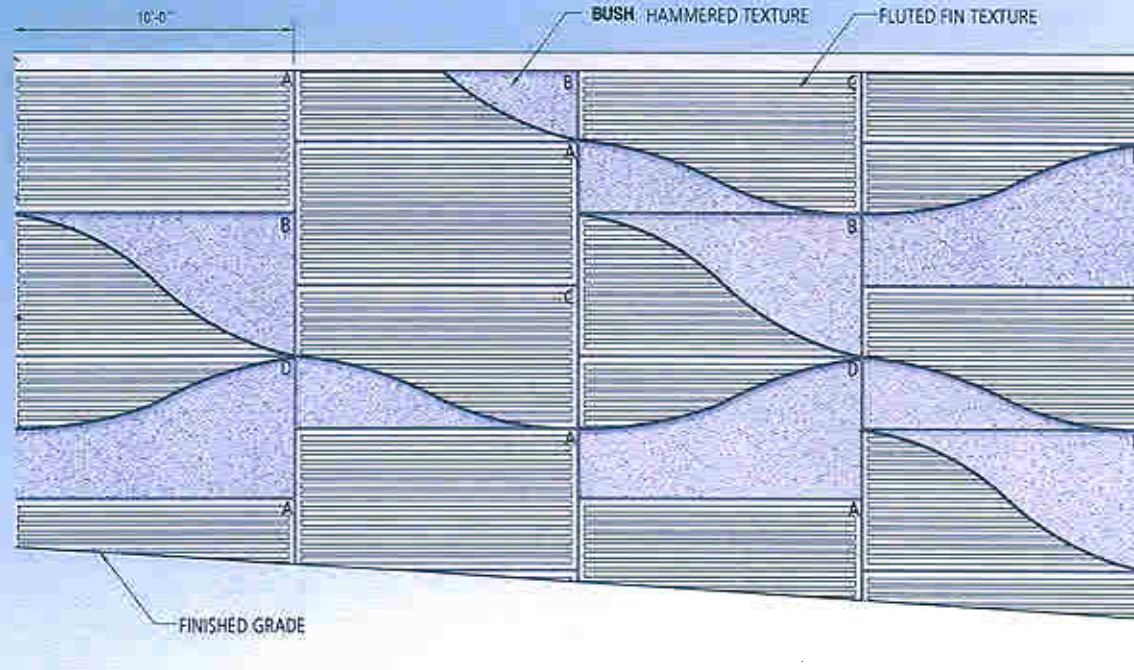
Staghorn Sumac



Arrowwood Viburnum



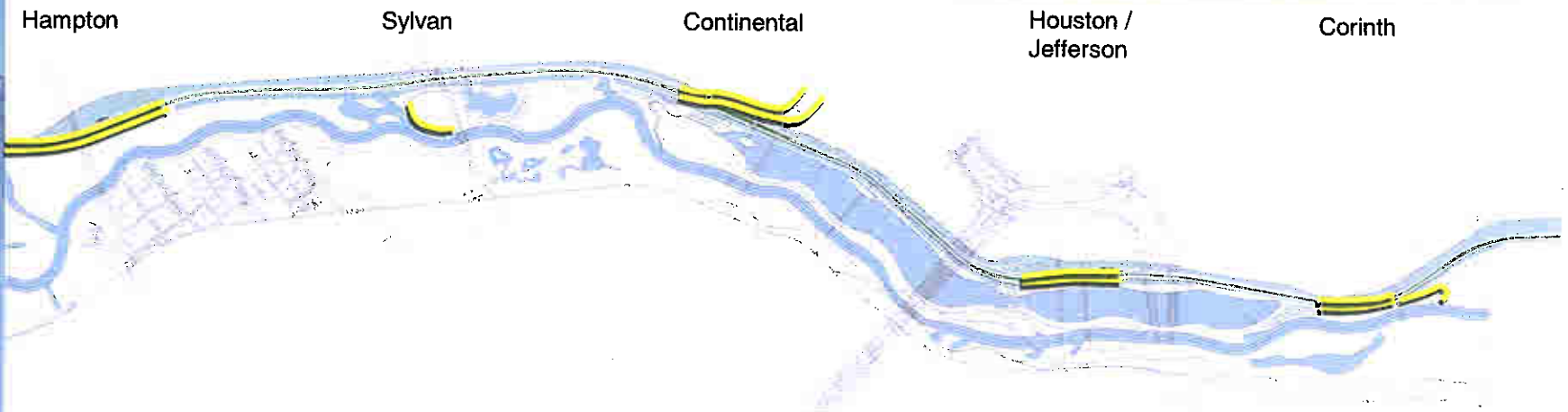
FOREST ZONE: wall treatment



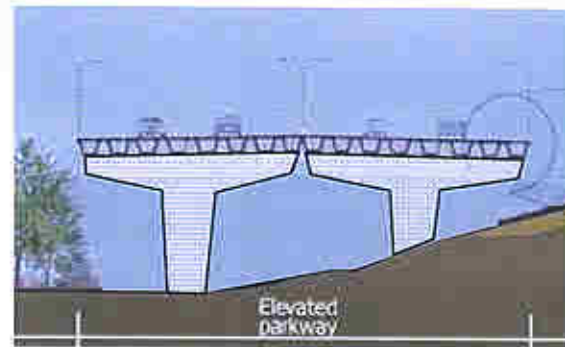
NTTA would fund and maintain retaining wall and finish



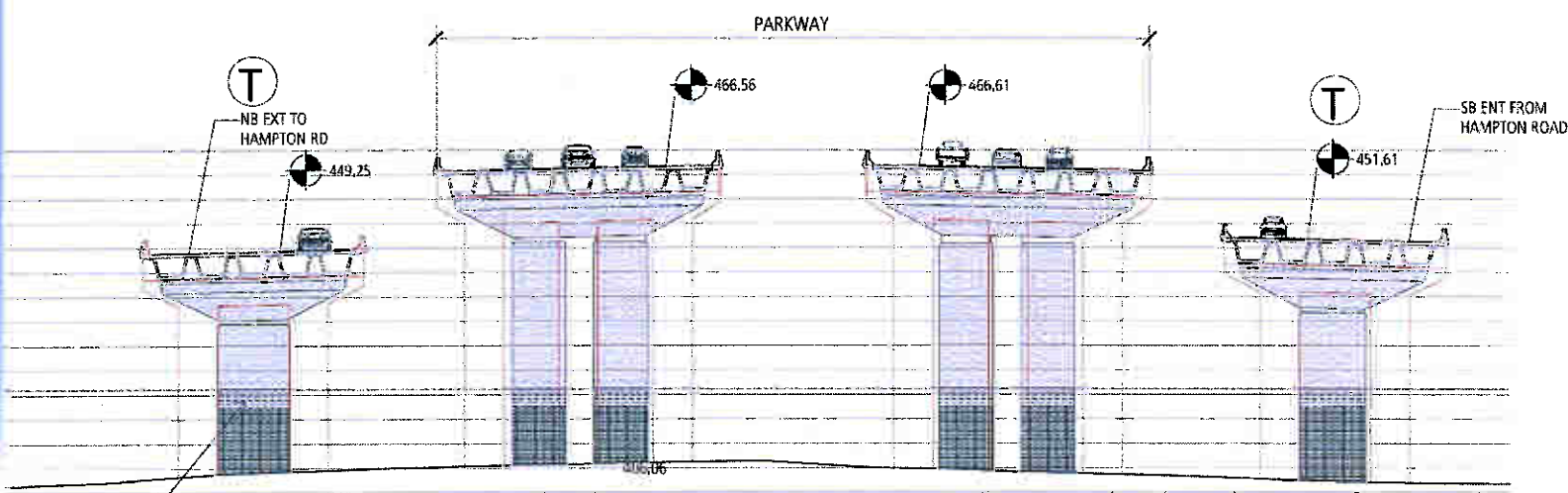
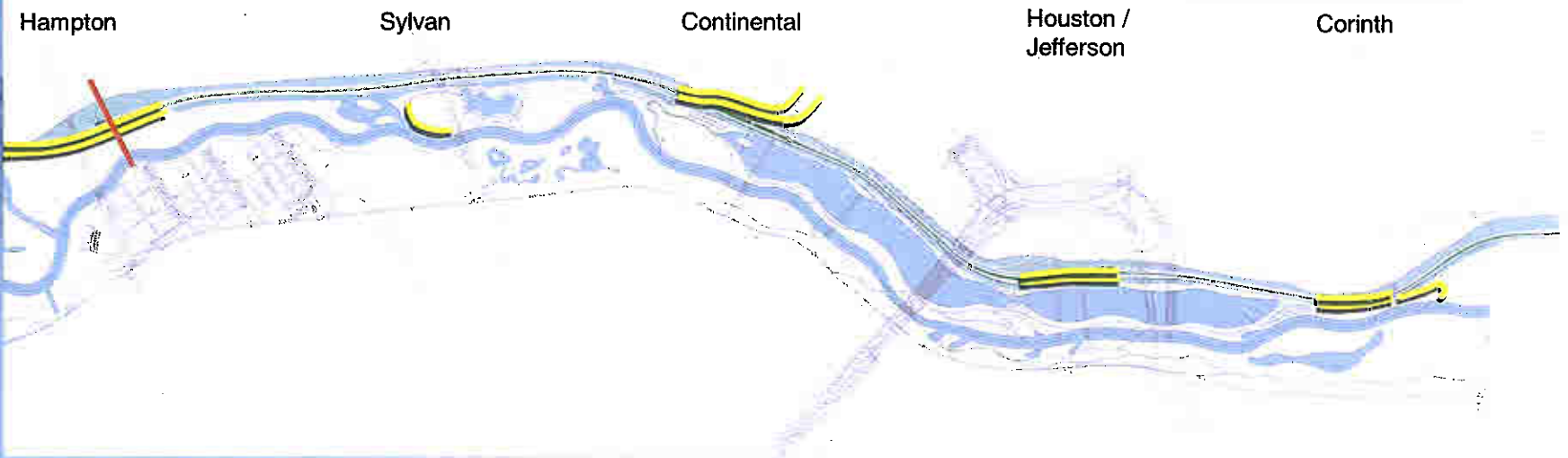
MATERIALITY: elevated structures



Key elevated segments should minimize the number of columns



MATERIALITY: elevated structures

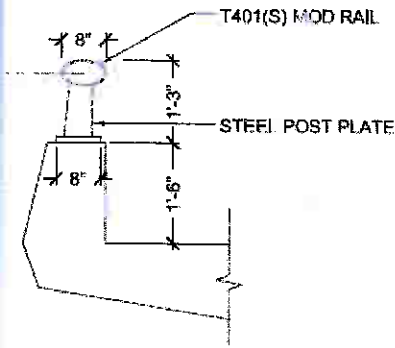
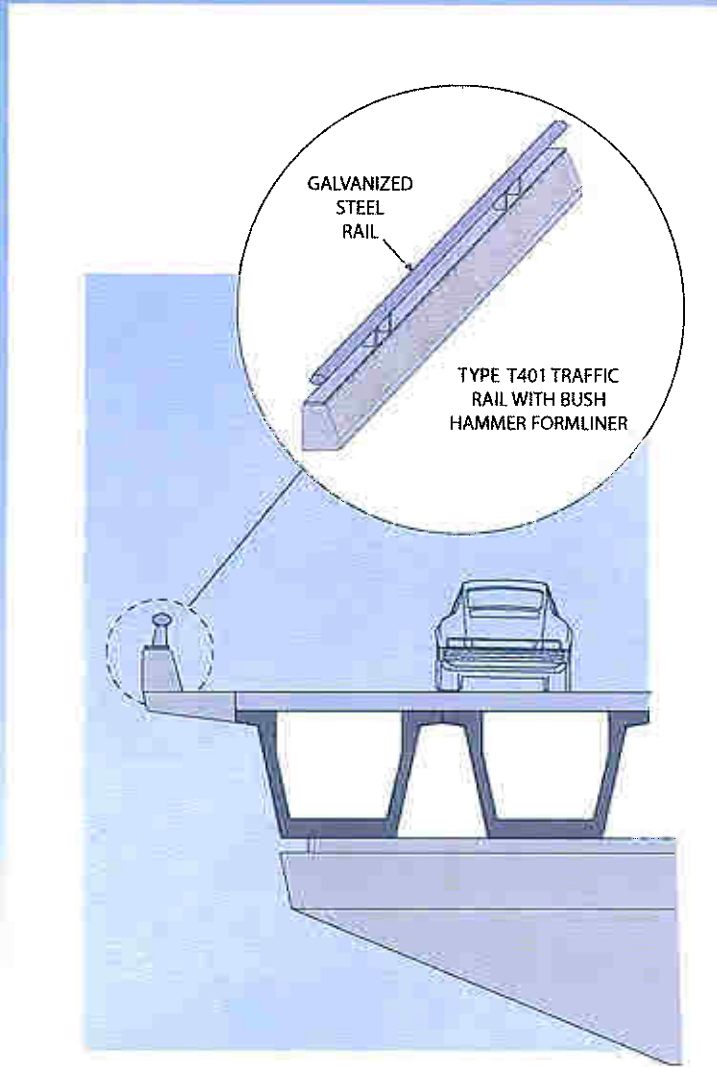


Hampton Flyover Bridges
(Half Associates design in red)

NTTA would fund and maintain Parkway structures



MATERIALITY: vehicular barrier



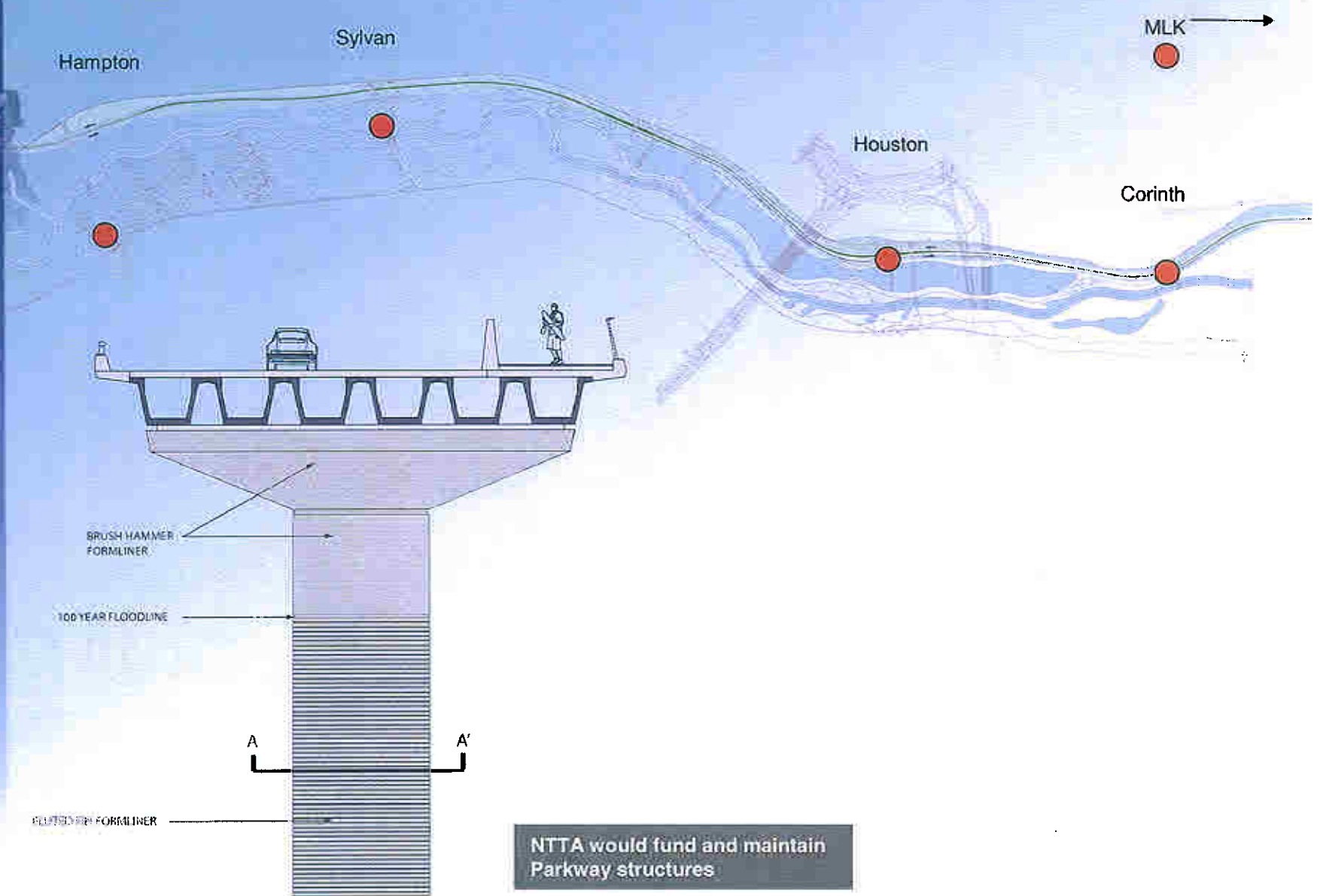
SWPMP



NTTA would fund and maintain Parkway structures



MATERIALITY: pedestrian access ramps



NTTA would fund and maintain Parkway structures



MATERIALITY: Houston Viaduct ramp



NTTA would fund and maintain pedestrian ramp; City would fund and maintain added canopy and landscape



MATERIALITY: Houston Viaduct ramp



MATERIALITY: shoulders



Outside Shoulder: 10' textured concrete

Inside Shoulder: 4' textured concrete (10'
after lane expansion)

Strive for 80% Fly-Ash content in cement mix

NTTA would fund and maintain Parkway
median, shoulders and edge planter.



"A SEAMLESS INTEGRATION"



Landscape & Aesthetic Treatments: NTTA Responsibilities

| <i>Item</i> |
|--|
| <i>Parkway Shoulders - 10' conc. w/ color and texture.</i> |
| <i>Vehicular Barriers/Planters along parkway shoulders - Bush Hammer finish</i> |
| <i>Vehicular Barriers/ Planter along parkway median - Bush Hammer finish</i> |
| <i>W-Beam Metal Vehicular Guardrail w/ Timber Post</i> |
| <i>Ornamental Security Fence (between levee and parkway)</i> |
| <i>Security Barrier Gravity Wall (between parkway and park)</i> |
| <i>Form Liner on 100 year flood wall (does not include floodwall concrete and reinforcement)</i> |
| <i>Houston Bridge Pedestrian Ramp</i> |
| <i>Planting - Center Median Shade Trees - 4" cal</i> |
| <i>Planting - Center Flowering Tree – 2 ½" cal</i> |
| <i>Planting - Center Median Shrubs</i> |
| <i>Planting - Center Median Ground Cover (low grasses)</i> |
| <i>Planting - Center Median Shoulders (med. grasses)</i> |
| <i>Planting - Planters along Parkway Shoulders (low grasses)</i> |



Landscape & Aesthetic Treatments: City Responsibilities

| <i>Item</i> |
|---|
| <i>Sound Wall "Green Wall" - extending above 100yr flood line to 14' between STA 1184+00 - 1242+00</i> |
| <i>Solar Panels @ Green Wall</i> |
| <i>Wind Generators - 80' ht 110' oc (located in center median)</i> |
| <i>Pedestrian Barrier 6' ht w/ acrylic/solar panels (between levee park and parkway)</i> |
| <i>Houston Bridge Pedestrian Ramp Canopy</i> |
| <i>Levee Concrete Liner - root barrier (liner separates levee from linear park—liner viability still under discussion with USACE)</i> |
| Levee Linear Park Paths - Levee Top (pounded earth) |
| Levee Linear Park Paths - Promenade Trail (Bituminous Concrete) |
| Levee Linear Park Planting - Shade Trees - 4" cal |
| Levee Linear Park Planting - Under story Trees - 2 1/2 " cal |
| Levee Linear Park Planting - Tall Grasses |
| Levee Linear Park Planting - Buffalo Grass |
| Parkway Embankment (between Parkway and Park) |

