

# **REQUEST FOR PROPOSALS**

**RFQ NO. 2014-15-07**

**Design/Build Irrigation System for  
Detention Pond on Sugarcane Drive  
Between Cleacker-Heald Elementary  
And Beatriz Garza Middle School**



**CITY OF WESLACO  
PLANNING AND CODE ENFORCEMENT  
DEPARTMENT  
255 SOUTH KANSAS AVE  
WESLACO, TX 78596**

## **City of Weslaco Irrigation System Statement of Work**

The City of Weslaco is performing a request for proposals from any and all parties wishing to be considered for design/build services related to providing an irrigation system for detention pond/football fields on Sugarcane Drive between Weslaco Independent School District Schools Cleacker-Heald Elementary and Beatriz Garza Middle School. The goal is to develop a plan to for construction of irrigation system. Some site-specific information must also be included on the irrigation plan:

- Physical existing features such as trees, slopes, and impervious surfaces like sidewalks, driveways, fences or buildings.
- Boundaries of the area to be irrigated. If areas will not be covered by the irrigation system, the areas should be clearly identified on the irrigation plan.
- Zone flow measurements for each zone.
- The location and type of any controllers used in the irrigation system.
- The location and type of sensors used (such as a rain or freeze sensor).
- The location, type, and size of water source such as 5/8" municipal water meter or a reclaimed water source.
- The location, type, and size of the backflow prevention device such as a 1" double check valve.
- The location, type, and size of water emission devices such as a 10' half-circle rotary head or a 15' quarter-circle rotary head.
- The location, type, and size of all valves such as the isolation valve, master valve, or zone valve.
- The location, type, and size of any pressure regulation components such as a pressure regulation valve or pressure regulating emitters.
- The location, type, and size of the main line and lateral pipe such as a ½" PVC Schedule 200 pipe or a 1" copper pipe.
- The design pressure that was calculated by adding the operating pressure necessary at an emission device to the total of all pressure losses accumulated from an emission device to the water source. The irrigator must check to make sure the pressure is greater than the manufacturer's published minimum operating pressure and that the system is effectively maximizing water conservation.

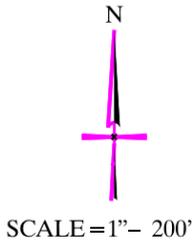
Upon completion of the irrigation plan, City's Planning and Code Enforcement Department will review and approve for construction. Contract time will be for 30 days or as agreed by City prior to contract execution. If you have any questions or require additional information regarding this RFP, please contact **Mardoqueo Hinojosa, P.E.**, Planning Director/City Engineer, at (956) 447-3401.



EXHIBIT "A"  
PROPOSED DRAINAGE DETENTION EASEMENT  
AT BEATRIZ G. GARZA INTERMEDIATE SCHOOL

**POINT OF COMMENCEMENT**

NORTHWEST CORNER OF FARM TRACT 140



**METES AND BOUNDS DESCRIPTION**

BEING A DRAINAGE DETENTION EASEMENT, CONTAINING 5.62 AC OUT OF FARM TRACT 140, BLOCK 162, OF THE WEST AND ADAMS TRACT SUBDIVISION, HIDALGO COUNTY, TEXAS AND HEREBY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

COMMENCING, AT A POINT BEING THE INTERSECTION OF MILE 9 NORTH (SUGARCANE RD.) AND MILE 6 WEST RD. ALSO BEING THE NORTHWEST CORNER OF FARM TRACT 140 TRAVELING WEST ALONG THE NORTH LINE OF FARM TRACT 140 FOR A DISTANCE OF 1074.75 FT TO A POINT ALONG THE NORTH LINE OF FARM TRACT 140.

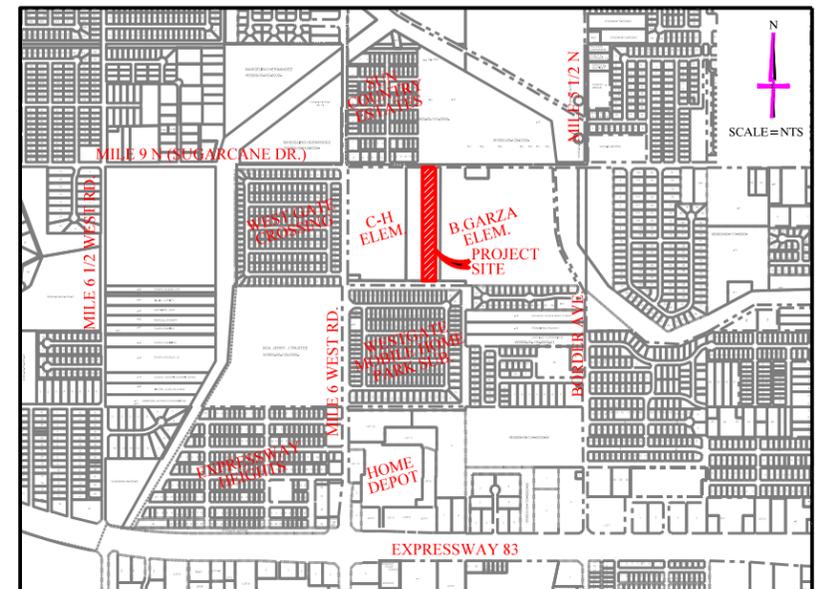
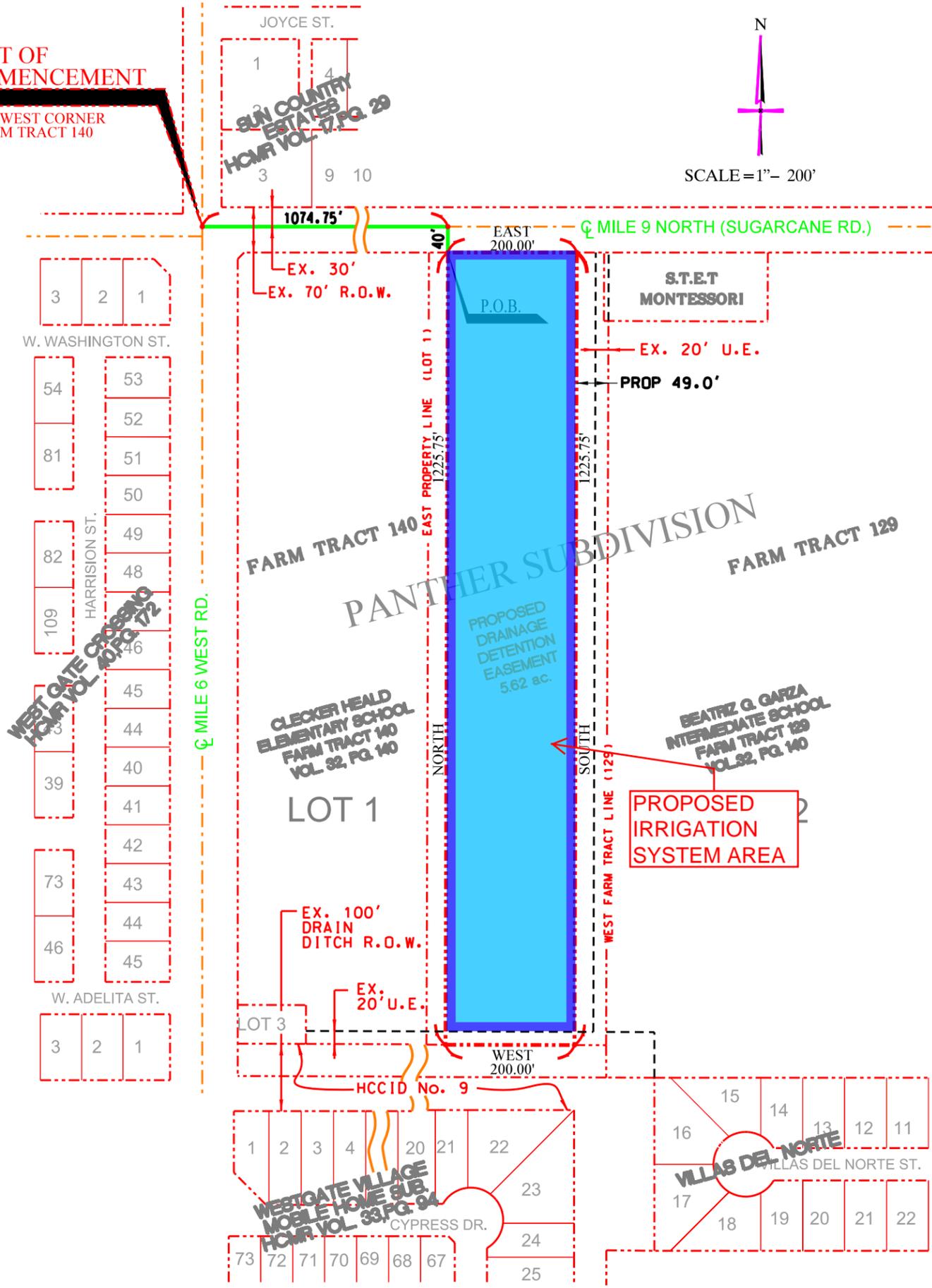
THENCE, SOUTH FOR A DISTANCE OF 40.00 FT TO A POINT BEING THE SOUTH RIGHT OF WAY OF MILE 9 NORTH (SUGARCANE RD.) ALSO BEING THE POINT OF BEGINNING;

THENCE EAST ALONG THE SOUTH RIGHT OF WAY LINE OF MILE 9 NORTH (SUGARCANE RD.) FOR A DISTANCE OF 200.00 FT TO A POINT ALONG THE SOUTH RIGHT OF WAY FOR AN INSIDE CORNER OF THE PROPOSED DRAINAGE DETENTION EASEMENT.

THENCE, SOUTH AND PARALLEL TO THE WEST LINE OF FARM TRACT 129 FOR A DISTANCE OF 1225.75 FT TO THE NORTH RIGHT OF WAY LINE OF DRAIN DITCH DEDICATED TO HIDALGO AND CAMERON COUNTY IRRIGATION DISTRICT No. 9 BY PANTHER SUBDIVISION PLAT, VOLUME 32, PAGE 140 H.C.M.R. FOR AN INSIDE CORNER OF THE PROPOSED DRAINAGE DETENTION EASEMENT.

THENCE, WEST ALONG THE RIGHT OF WAY OF SAID EXISTING DRAINAGE DITCH FOR A DISTANCE OF 200 FT. FOR AN INSIDE CORNER OF THE PROPOSED DRAINAGE DETENTION EASEMENT.

THENCE, NORTH AND PARALLEL TO THE EAST PROPERTY LINE OF LOT 1 OUT OF FARM TRACT 140 FOR A DISTANCE OF 1225.75 FT TO THE POINT OF BEGINNING AND CONTAINING WITHIN THESE METES AND BOUNDS 5.62 ACRES MORE OR LESS.



VICINITY MAP

SHEET:

A

