

SUBDIVISION APPLICATION

RECEIVED
9/28/26
AR

CITY OF MISSION SUBDIVISION APPLICATION



Name: Rhodes Development, Inc.
Address: 200 S. 10th Street, Ste. 1700
City: McAllen, Texas 78502
Phone: (956) 287-2800
Subdivision Name: _____
Las Palmas at Bentsen Palm Phase 2

PLAT FEES

5 ACRE PLAT OR LESS.....\$400
5+ ACRES.....\$500
Re-Plat Filing/Review\$300
Separate Subdivision variance/open cuts, etc. \$150
P&Z Date: _____ City Council Date: _____

Urban (City) X Suburban ETJ _____ Rural ETJ _____
Zone: PUD Water Dist. HCID#18 School Dist. _____
La Joya ISD

of Lots: Residential 78 Non-Residential _____ Common Areas/Lots 2

Water CCN: SWSC LJWSC MUD

WATER

_____ L. F. of 8" Water Lines
_____ L. F. of _____ Water Lines

Other: _____

Suburban MSR cost of water meters &

\$ _____

SEWER

_____ L. F. of _____ Sewer Lines
_____ L. F. of _____ Sewer Lines

Lift Sta: _____ N/A-Septic Use: _____

Other: _____

Suburban ETJ Only: MSR cost of Septic Tanks

\$ _____

STORM SEWER

_____ Wide Streets

_____ Wide Streets

_____ L. F. of _____ Storm Lines

_____ L. F. of _____ Storm Lines

_____ L. F. of _____ Storm Lines

_____ L.F. of _____ Storm Lines

_____ L.F. of _____ Storm Lines

Revised 2023

15075601

1201 E. 8TH ST

REC#: 06774524 9/28/2026 9:01 AM

OPER: NDLC TERM: 007

REF#: 038305

TRAN: 550.0000 BUSINESS LICENSE
20260723-09/28/26 RHODES DEVELOPMENT INC
SITE PLAN REVIEW 500.00CR

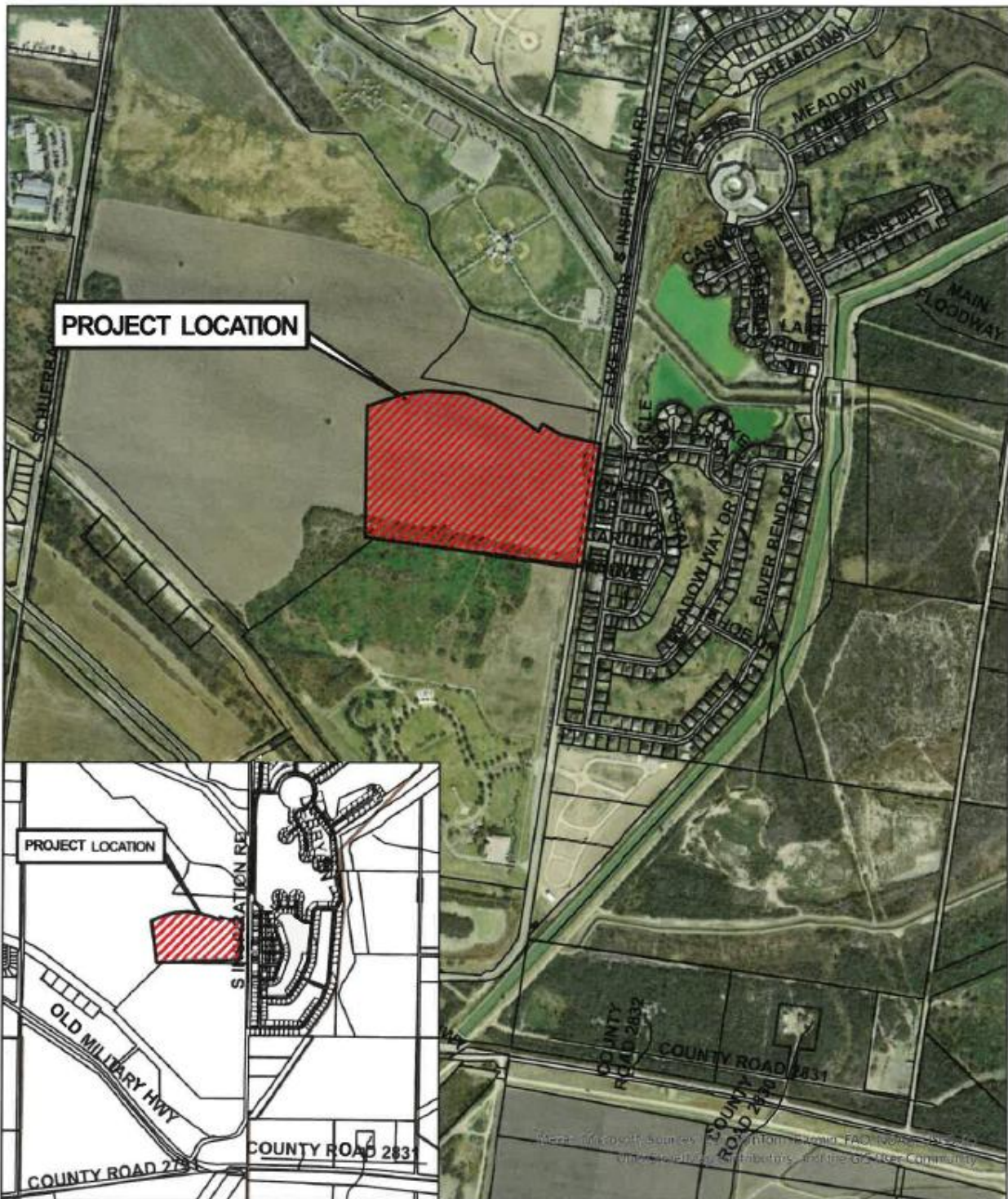
TENDERED: 500.00 CHECK

APPLIED: 500.00-

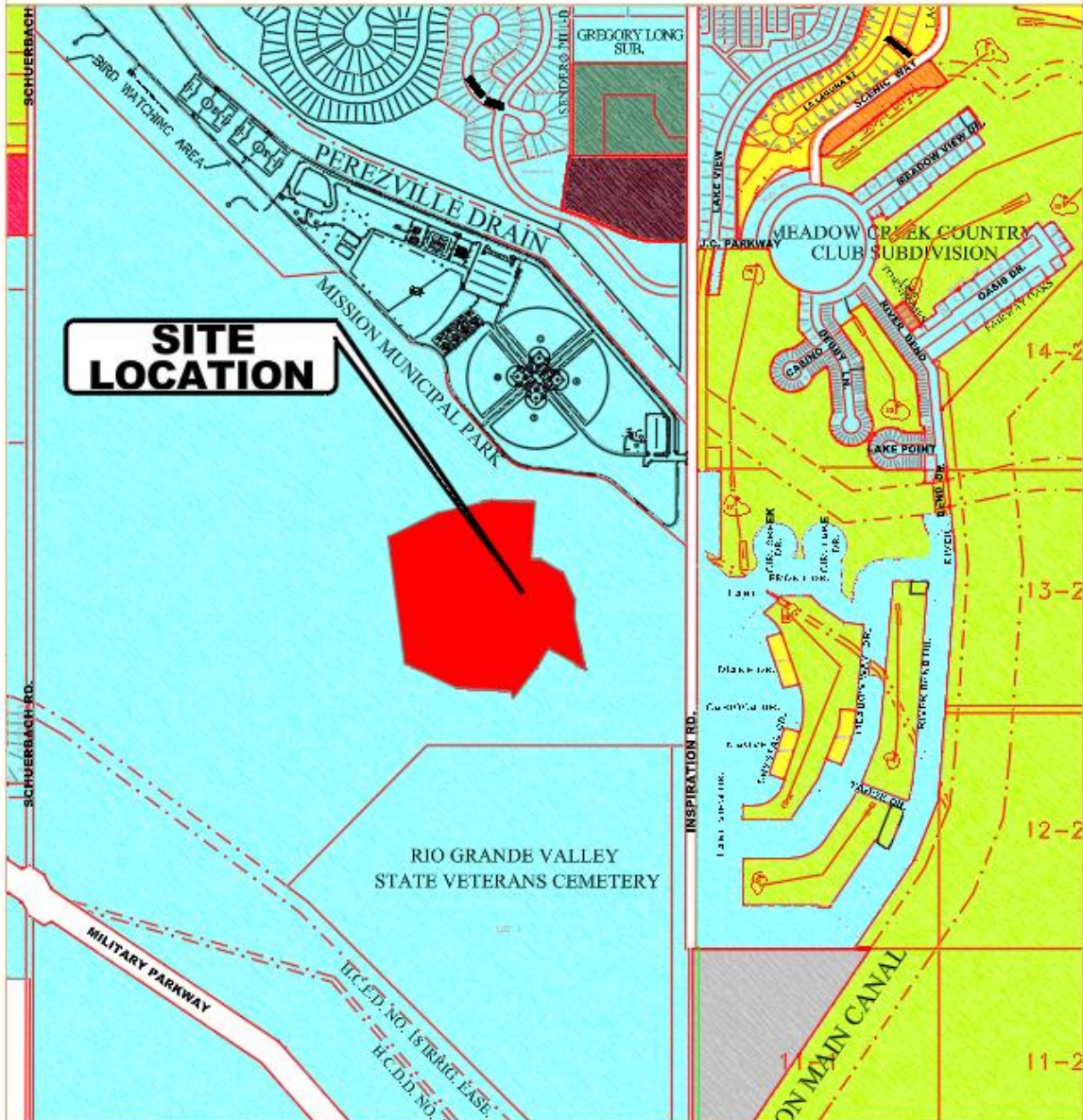
CHANGE: 0.00

WATER CONSERVATION STAGE 2
THANK YOU AND HAVE A GREAT DAY!

AERIAL



ZONING MAP



ZONING LEGEND

	A0-I AGRICULTURAL OPEN INTERIM		R-3 MULTI-FAMILY RESIDENTIAL		C-4 HEAVY COMMERCIAL
	A0-P AGRICULTURAL OPEN PERMANENT		R-4 MOBILE & MODULAR HOME		C-5 ADAPTIVE COMMERCIAL
	R-1A LARGE LOT SINGLE FAMILY		R-5 HIGH DENSITY MFCTD HOUSING		I-1 LIGHT INDUSTRIAL
	R-1T TOWNHOUSE RESIDENTIAL		C-1 OFFICE BUILDING		I-2 HEAVY INDUSTRIAL
	R-1 SINGLE FAMILY RESIDENTIAL		C-2 NEIGHBORHOOD COMMERCIAL		PUD PLANNED UNIT DEVELOPMENT
	R-2 DUPLEX-FOURPLEX RESIDENTIAL		C-3 GENERAL BUSINESS		P PUBLIC

DRAINAGE REPORT



TBPELS Firm # F-1435
TBPELS # 10096900

MELDEN & HUNT INC.

CONSULTANTS • ENGINEERS • SURVEYORS

MARIO A. REYNA • ALLAN F. BOOE • ROBERTO N. TAMEZ • RUBEN JAMES DE JESUS • MICHAEL HERNANDEZ

Drainage Statement

LAS PALMAS AT BENTSEN PALM (MASTER)

Project #25159.00 Date: September 23, 2025 Revised: November 3, 2025

LAS PALMAS AT BENTSEN PALM (MASTER) A tract of land containing 33.167 acres situated in the City of Mission, Hidalgo County, Texas, being out of Porcion 52. This subdivision lies in Zone "B", which is defined as areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one(1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood, and in part in Zone "AH", which is defined as areas of 100-year shallow flooding where depths are between one(1) and three(3) feet; base flood elevation has been determined to be 113, but no flood hazard factors are determined. Community Panel No. 480334 0400 C; Map Revised: November 16, 1982. The property is located on the Northwest of the intersection of Military Parkway and S. Inspiration Road. The property is currently open with a proposed use of 158 residential lots and 5 common areas, currently inside the City of Mission, Texas.

The soil in this area (44) Olmito silty clay, which is in Hydrologic Group "C", these soils have a slow infiltration rate when thoroughly wet and (55) Reynosa silty clay loam, which is in Hydrologic Group "B", these soils have a moderate infiltration rate when thoroughly wet. (See excerpts from "Soil Survey of Hidalgo County, Texas").

Existing runoff is in a northeasterly direction, with a runoff of 12.16 c.f.s. during the 10-year storm frequency as per the attached calculations. Proposed runoff after development is 84.32 c.f.s., during the 50-year storm frequency, per the attached calculation, which is an increase of 72.16 c.f.s.

Surface runoff from the lots and the proposed streets will be caught by proposed Type "A" inlets placed at strategic locations and conveyed via said storm lines ranging from 24" to 42". The proposed storm system shall discharge into a proposed detention pond on the Southwest corner of this subdivision, which will discharge into an existing H.C.I.D. No. 18 drain ditch. The section of the H.C.I.D. No. 18 drain ditch, as included in Drainage Basins 38 and 43, discharges thru a 5'x5' box culvert under the Mission Main Canal, and has an ultimate outfall into the Mission Pilot Channel of the H.C.D.D. No. 1 System.

In accordance with the City of Mission's drainage policy, the difference between pre and post development storm runoff shall not increase during the 50-year rainfall event. Therefore, as per attached calculations, and in accordance with the Approved Master Drainage Plan for the development, the required detention of 198,516 cubic feet (4.557 ac-ft) shall be provided within said proposed detention pond.

☐ REJECTED	
☒ APPROVED FOR SUBMITTAL	
☐ TO H.C. PLANNING DEPT.	
☐ TO CITY	
☒ DISCHARGE PERMIT REQUIRED	
☐ DISTRICT FACILITY	
☒ CITY FACILITY	
☐ OTHER	
H.C.D.D. NO. 1	DATE

11-3-25

M. A. Reyna
Mario A. Reyna, P.E. #117368
President

