

SUBDIVISION APPLICATION

RECEIVED

CITY OF MISSION SUBDIVISION APPLICATION



Name: Meldene & Hart, Inc.
 Address: 115 W. McIntrye
 City: Edinburg, TX 78541
 Phone: (956) 381-0981
 Subdivision Name: Holland Estates
 Holland Estates Subdivision

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) Suburban ETJ _____ Rural ETJ _____
 Zone: AO-I Water Dist. Mission School Dist. _____
 # of Lots: Residential 47 Non-Residential 0 Common Areas/Lots 1
 Water CCN: SWSC _____ LJWSC _____ MUD _____

<u>WATER</u>	<u>SEWER</u>
<u>2,400</u> L. F. of <u>8"</u> Water Lines	<u>2,060</u> L. F. of <u>8"</u> Sewer Lines
<u> </u> L. F. of _____ Water Lines	<u> </u> L. F. of _____ Sewer Lines
Other: _____	Lift Sta: _____ N/A-Septic Use: _____
Suburban ETJ Only: MSR cost of water meters & Membership costs \$ _____	Other: _____
	Suburban ETJ Only: MSR cost of Septic Tanks \$ _____

<u>STREETS</u>	<u>STORM SEWER</u>
<u>2,456</u> L. F. of <u>32'</u> Wide Streets	<u>736</u> L. F. of <u>24"</u> Storm Lines
<u> </u> L. F. of _____ Wide Streets	<u>225</u> L. F. of <u>30"</u> Storm Lines
Other: _____	<u>315</u> L. F. of <u>36"</u> Storm Lines
	<u>71</u> L. F. of <u>42"</u> "

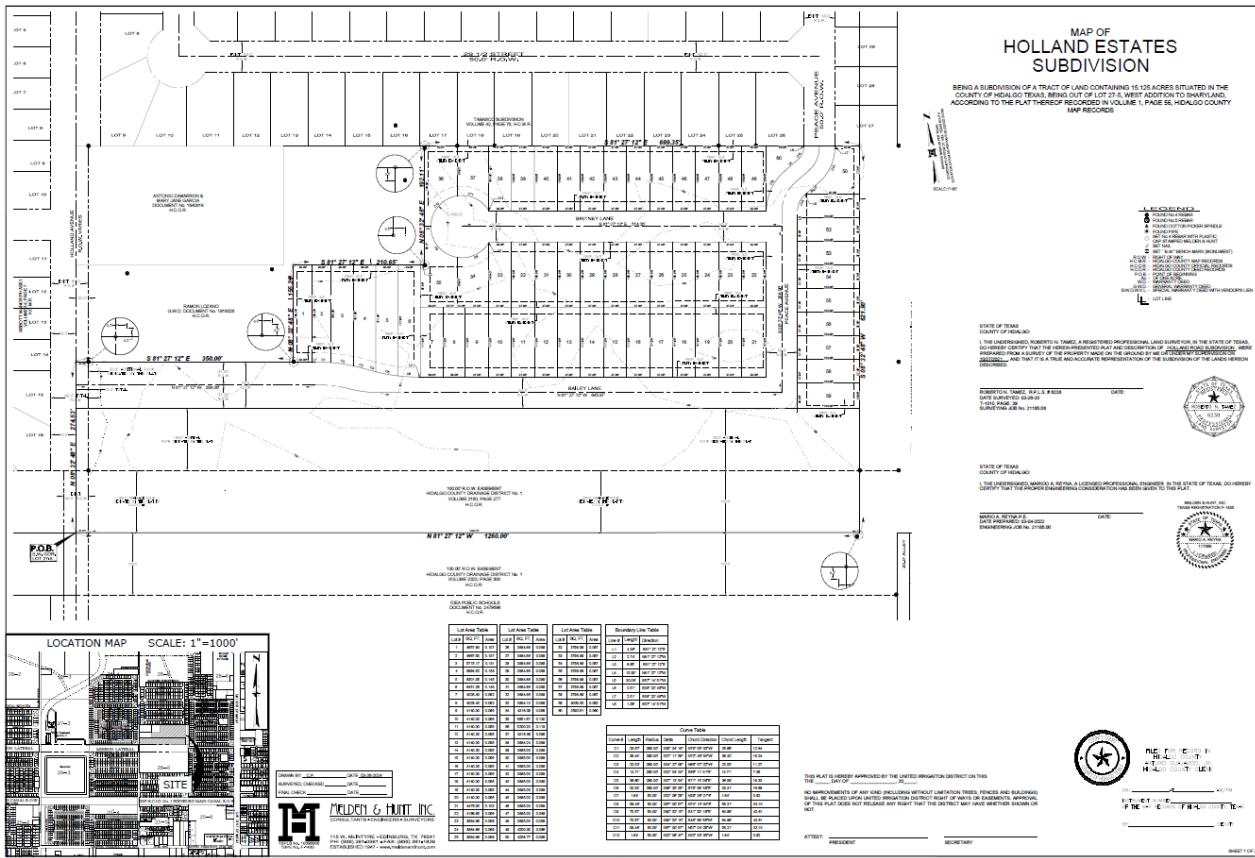
Filing Fee: \$ _____ Receipt #: 20220320
 *Non-Refundable

M. H.
 Owner/Agent

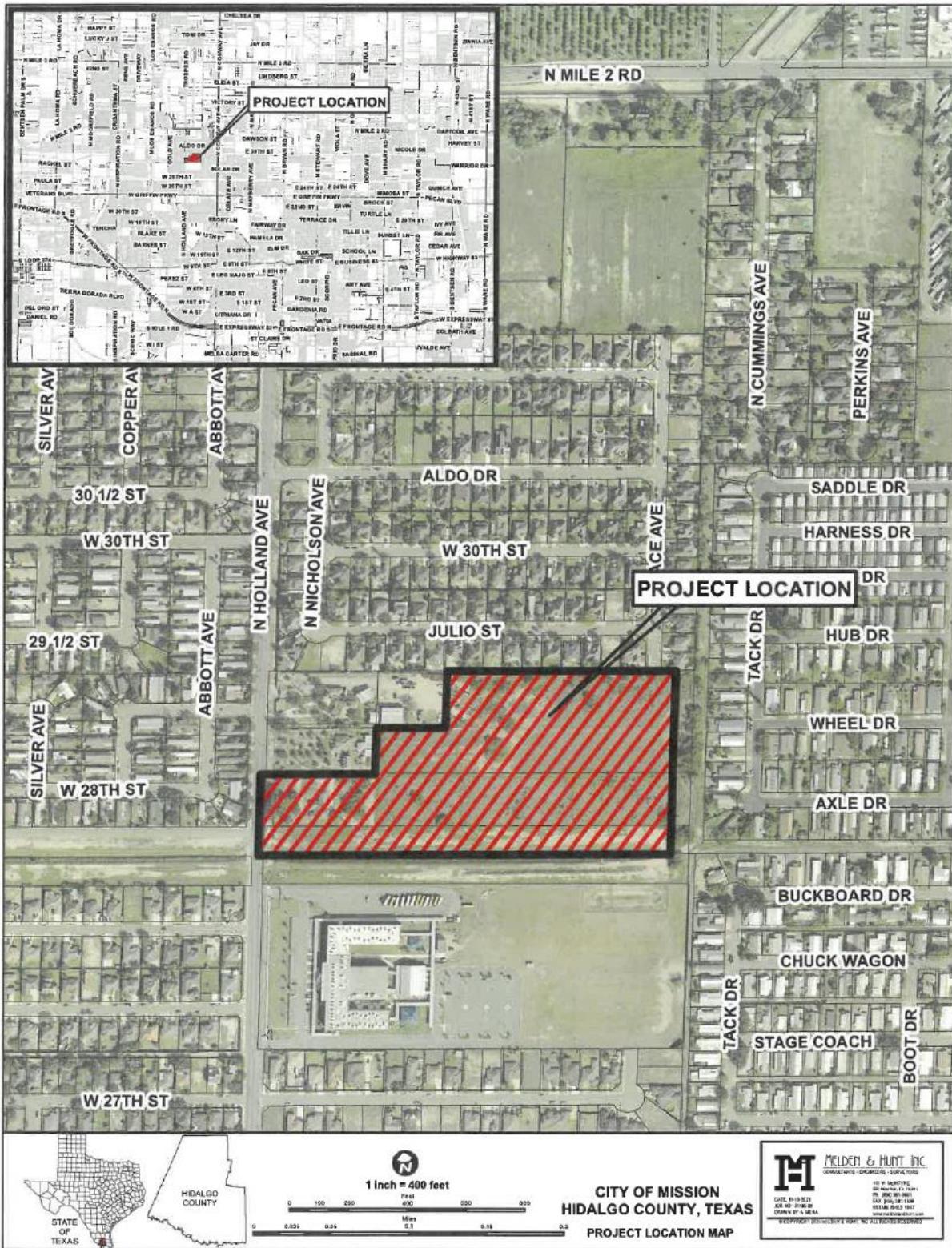
6-22-2022

Date

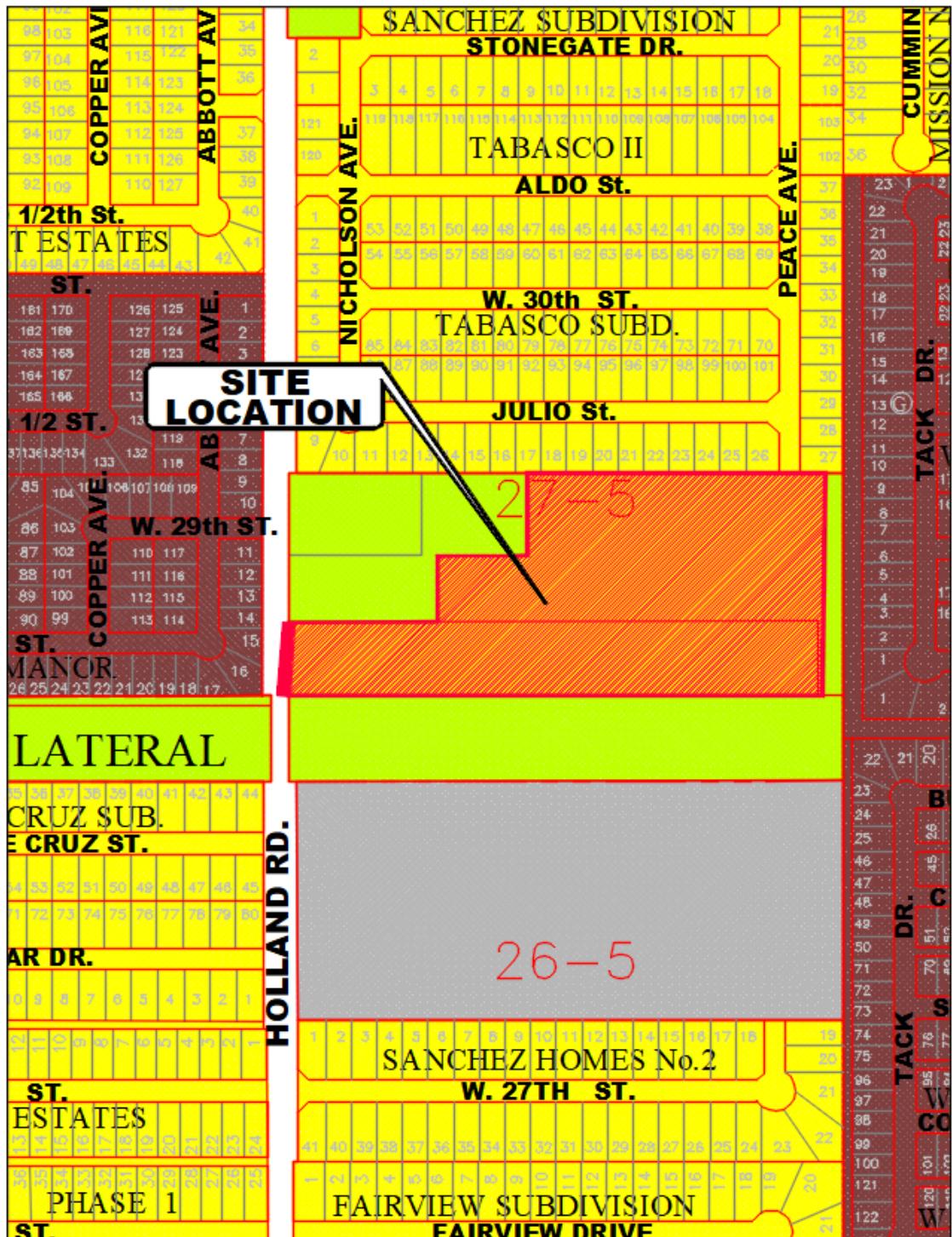
PLAT



AE~~RIAL~~



ZONING MAP



CITY OF MISSION
HIDALGO COUNTY, TEXAS

THE ADAMS COUNTY,

1201 E. 8TH. STREET
MISSION, TX 78572

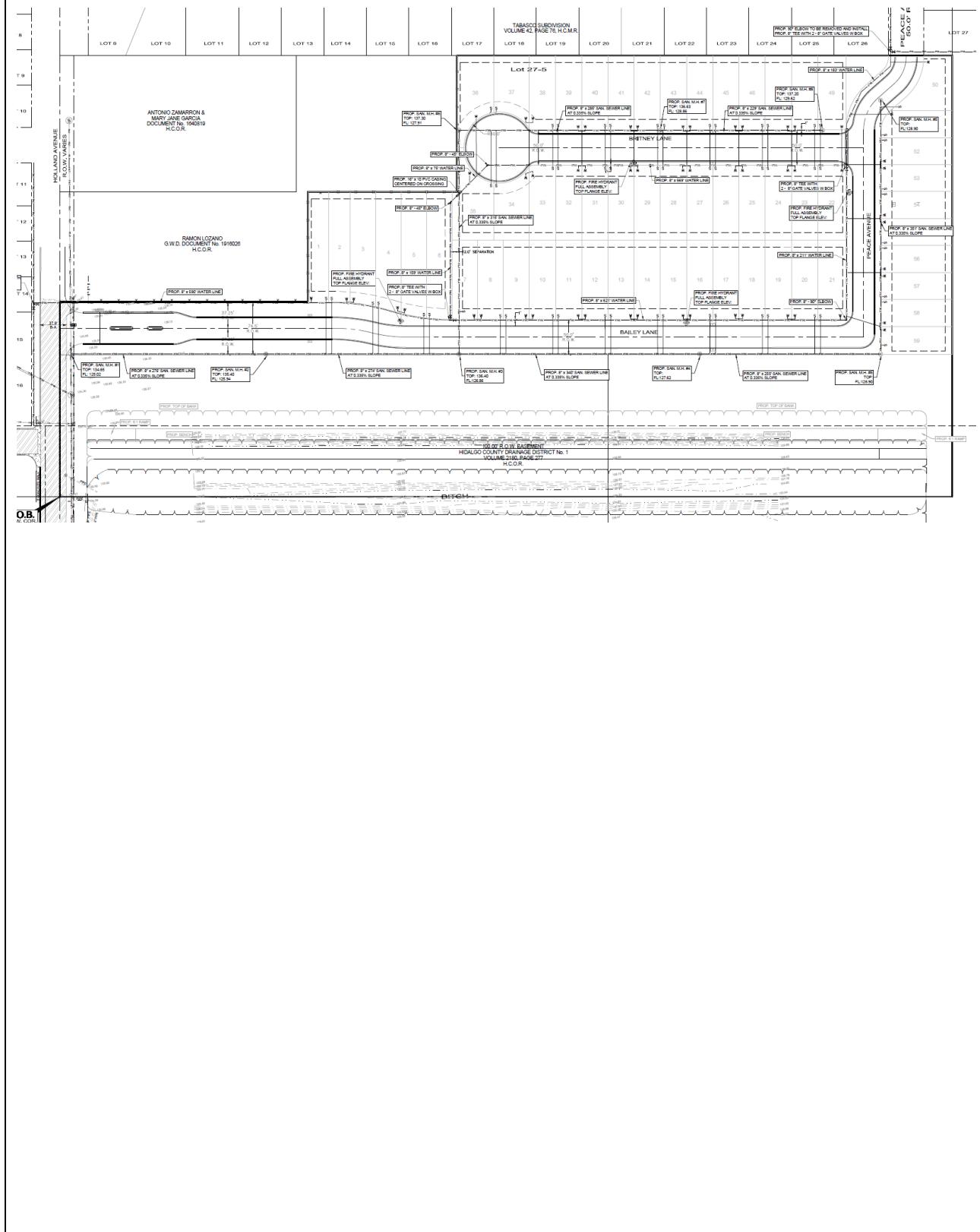
HIDALGO COUNTY, TEXAS

1301 E. 8th Street
MISSION, TX 78572

www.elsevier.com/locate/aim

10 of 10

UTILITY LAYOUTS



DRAINAGE REPORT



MELDEN & HUNT INC.

CONSULTANTS • ENGINEERS • SURVEYORS

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

TBPELS Firm # F-1435
TBPELS # 10096900

Drainage Statement HOLLAND ESTATES SUBDIVISION

Project #21185.00 Date: February 22, 2024; Revised April 19, 2024
Revised: May 28, 2024; Revised: October 17, 2024; Revised: January 15, 2025

HOLLAND ESTATES SUBDIVISION A tract of land containing 15.125 acres situated in the County of Hidalgo Texas, being out of lot 27-5, West Addition To Sharyland, according to the plat thereof recorded in Volume 1, Page 56, Hidalgo County Map Records. This subdivision lies in Zone "C" & "A". Flood Zone "C" is defined as areas of minimal flooding. Flood Zone "A" is defined as areas of 100-year flood; base flood elevations and flood hazard factors not determined. Base flood elevation is 136.50. Community Panel No. 480334 0400 C; Map Revised: November 16, 1982. The property is approximately 2,868 feet north of the intersection of Griffin Parkway (F.M. 495) & State Holland Avenue. The property is currently open with a proposed use of 49 single family lots and 1 detention pond, currently inside the City of Mission, Texas. The proposed BFE is 136.50 is proposed for the Flood Zone "A" portion of the property. A LOMR-F will be submitted to FEMA for the designation of this portion of the property.

The soils in this area are (4) Brennan fine sandy loam and (28) Hidalgo sandy clay, which are in Hydrologic Group "B". These soils are moderately pervious and have a relatively low plasticity index. (See excerpts from "Soil Survey of Hidalgo County, Texas").

Existing runoff is in a northeasterly direction, with a runoff of 12.44 c.f.s. during the 10-year storm frequency as per the attached calculations. Proposed runoff after development is 54.68 c.f.s., during the 50-year storm frequency, per the attached calculation, which is an increase of 42.24 c.f.s.

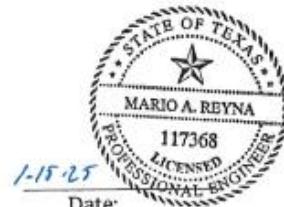
The proposed drainage for this subdivision shall consist of surface runoff from the lots into the proposed streets and collected by type "A" inlets located at key points within the subdivision. The pipe size diameters shall range from 24" to 36". The proposed storm system shall discharge into a proposed detention pond on the east side of site, which will then discharge into the Mission Lateral.

In accordance with the City of Mission drainage policy, the peak rate of runoff in this subdivision will not be increased during the 50-year rainfall event due to the building of this subdivision. Therefore, as per attached calculations the required 63,026 cubic feet of detention will be provided within the widening of the existing H.C.D.D. #1 Mission Lateral. Plus, the total amount of fill brought in to get site out of flood zone is 578,256 cubic feet, bringing to a total of 641,282 cubic feet required.

<input type="checkbox"/> REJECTED
<input checked="" type="checkbox"/> APPROVED FOR SUBMITTAL
<input type="checkbox"/> TO H.C. PLANNING DEPT.
<input checked="" type="checkbox"/> TO CITY
<input checked="" type="checkbox"/> DISCHARGE PERMIT REQUIRED
<input type="checkbox"/> DISTRICT FACILITY
<input type="checkbox"/> CITY FACILITY
<input type="checkbox"/> OTHER _____
<i>Mario A. Reyna</i>
H.C.D.D. NO. 1
2-3-25
DATE



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



1-15-25
Date: