

S. PALM DRIVE

LEASED

2 3 4 5 6 7

PROP. SURFACE
STORAGE (1,870 C.F.)
8-IN. AVERAGE DEPTH



Arturo Garcia Jr.



SEPTEMBER 30, 2017

ISSUED
FOR CONSTRUCTION
REVISED METER AND SERVICE LINES.

PROP. PIPE
STORAGE (4,730 C.F.)

PROP. 5.0' DIA. M.H.
36-IN. PIPE CONNECTION & 8-IN. OUTLET TO EXISTING INLET

EXIST. CURB INLET

SAM HOUSTON BOULEVARD

MODIFIED RATIONAL METHOD

$Q = C I A$
 $Q = (0.29)(4.72)(0.74) = 0.70 \text{ CFS (UN-DEVELOPED)}$
 $Q = (0.70)(0.7)(0.74) = 0.36 \text{ CFS (DEVELOPED)}$

TIME (MIN)	t_t (MIN)	Q_{peak} (MG)	VOLUME (MG)	Q_{peak} (MG)	VOL _{max} (MG)	VOL _{stored} (MG)
40	4.86	2.71	6,916	0.70	1,680	4,839
50	4.21	2.36	7,035	0.70	2,100	4,955
60	3.74	2.09	7,521	0.70	2,520	5,021
70	3.37	1.88	7,906	0.70	2,940	4,966
80	3.07	1.71	8,232	0.70	3,360	4,872

REQUIRED DETENTION PER POLICY: 5,001 C.F.
TABULATED DEVELOPED DETENTION VOLUME: 5,001 C.F.
AVAILABLE DETENTION VOLUME: 6,600 C.F.



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DETENTION PLAN
FOR
LOT 7 - TARA SUBDIVISION
PHARR, TEXAS

ALL OF LOT 5, TARA SUBDIVISION AN ADDITION TO THE CITY OF PHARR, HEDALGO COUNTY, TEXAS, AS
FOR MAP RECORDED IN VOLUME 2A, PHASE 2A, MAP RECORDS, OF HEDALGO COUNTY, TEXAS.