

PRE-DEVELOPED DRAINAGE AREA CALCULATIONS						
Drainage Area No.	Total Area (Acres)	Runoff Coefficient C	Time of Concentration Tc (Min.)	Rainfall Intensity I <sub>100</sub> (in/hr)	Proposed Flow Q <sub>100</sub> (cfs)	Remarks
1	6.05	0.35	20	8.30	17.58	FLOWS TO FM 549
2	5.55	0.35	20	8.30	16.12	FLOWS TO SOUTH ADJACENT PROPERTY
<b>TOTAL</b>	<b>11.60</b>				<b>33.70</b>	

**LEGEND**

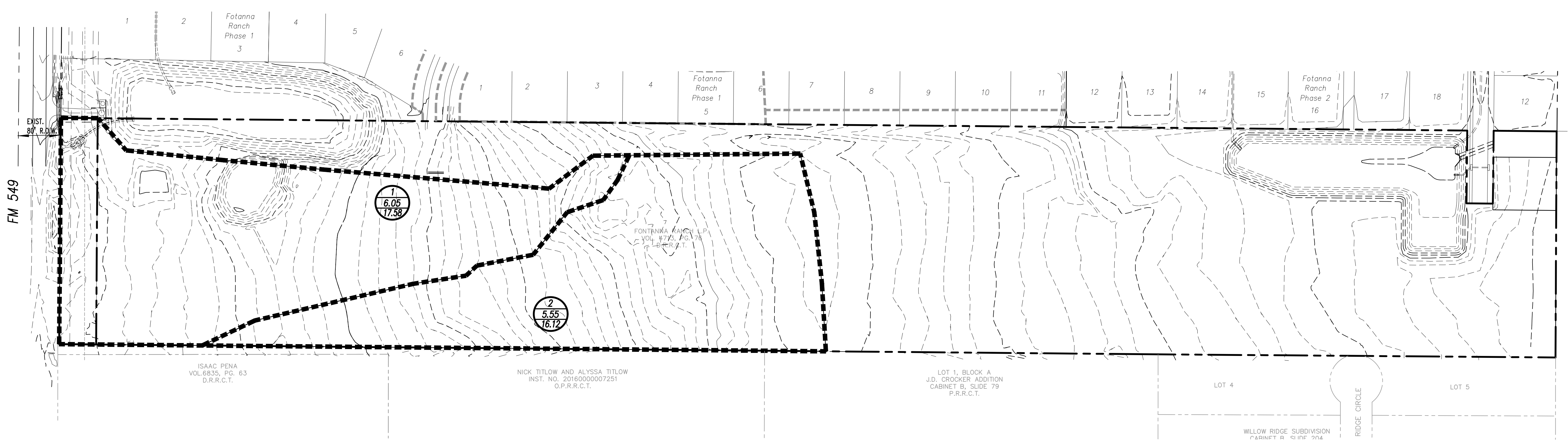
----- DRAINAGE DIVIDE

--- 590 --- EXIST. CONTOUR

① --- DRAINAGE AREA  
6.05 --- ACRES  
17.58 --- RUNOFF, cfs

**100 Year**

TC = 20 min  
C = 0.35  
I<sub>100</sub> = 8.30 in/hr  
A = Acres  
Q = 0.35(A)(8.30)



Revision	Date	Description

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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHRISTOPHER R. CUNY, P.E. 65642

9-11-2018  
F.C. CUNY, CORPORATION  
F-7449

**CAUTION EXISTING UTILITIES !!!**

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE THE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

**BENCHMARK:**  
"X" ON TOP OF CURB WEST NOSE OF MEDIAN AT ENTRANCE TO FONTANNA RANCH WIMBERLEY LN.  
ELEV. 570.06

Drawn By: FC CUNY	Checked By: FC CUNY
Date: 4-1	Project No.:
Sheet Title: <b>Pre Developed Drainage Conditions</b>	
Scale: 1" = 100'	Sheet No.:

RECORD DRAWING

Fontanna Ranch Ph. 3